

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
4000	The passed-in buffer is too small to hold the message.\n Buffer size (bytes): %d\n String length (bytes): %d\n Ermes number: %ld\n Text: %s		<srv,sup,myhost,log>
4001	Result string too long while formatting Ermes message #%u.		<sup,log,myhost>
4002	Error while formatting Ermes message #%u - string parameter points\n to illegal address.		<sup,log,myhost>
4003	Error while formatting Ermes message #%u - illegal character in arguments.		<sup,log,myhost>
4004	Unable to find Ermes message #%u while formatting Ermes message #%u.		<sup,log,myhost>
4005	Syntax error in Ermes message #%u.		<sup,log,myhost>
4006	Illegal transition while parsing Ermes message #%u.		<sup,log,myhost>
4007	Illegal character in Ermes message #%u.		<sup,log,myhost>
4008	Conversion specification string too long for Ermes message #%u.		<sup,log,myhost>
4009	The message key %ld was not found.		<sup,log,myhost>
4010	Unable to open Ermes message file.\n Path: %s		<srv,sup,log,myhost>
4011	Ermes error,\n key: %ld,\n error: %d.		<sup,log,myhost>
4012	The Ermes message file is inconsistent, it must be rebuilt.\n Detail: %ld %ld %d %d %d %ld		<srv,sup,log,myhost>
4013	I/O error accessing Ermes message file.\n Type: %s Offset: %ld errno: %d		<srv,sup,log,myhost>
4014	RPC connection to geSyslogd failed.\n error: %d\n errno: %d\n cf_stat: %d\n re_status: %d		<srv,sup,log,myhost>
4015	Assertion failed: process: %.80s file: %s line: %d		<srv,sup,log,myhost>
4016	Unable to lseek() to requested offset in GE System Log.\n Offset: %d\n Filename: %s\n Errno: %d		<srv,sup,log,myhost>
4017	Unable to read() requested bytes from GE System Log.\n Number of bytes: %d\n Offset: %d\n Filename: %s\n Errno: %d		<srv,sup,log,myhost>
4018	Unable to write() requested bytes to GE System Log.\n Number of bytes: %d\n Offset: %d\n Filename: %s\n Errno: %d		<srv,sup,log,myhost>
4019	Unable to lseek() to the end of the GE System Log.\n Filename: %s\n Errno: %d		<srv,sup,log,myhost>

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4020	Unable to truncate the GE System Log.\n Requested file size: %d\n Filename: %s\n Errno: %d		<srv,sup,log,myhost>
4021	Unable to open the GE System Log.\n Filename: %s\n Errno: %d		<srv,sup,log,myhost>
4022	Unable to close the GE System Log.\n Filename: %s\n Errno: %d		<srv,sup,log,myhost>
4023	Unable to rename the GE System Log.\n Old path name: %s\n New path name: %s\n Errno: %d		<srv,sup,log,myhost>
4024	GE System Log consists only of a partial header record.\n Current size of file: %d\n Filename: %s		<srv,sup,log,myhost>
4025	GE System Log not prepared for adding messages.\n Filename: %s\n Current size: %d		<srv,sup,log,myhost>
4026	An error was found in the GE System Log.\n The GE System Log file was renamed and then a new log was created.\n Error: %d near offset: %d\n Original filename: %s\n Renamed filename: %s		<srv,sup,log,myhost>
4027	Nothing was pruned from the GE System Log.\n Cutoff time: %.24s\n Current size: %d\n Requested maximum number of hours of history after pruning: %d\n Requested maximum file size after pruning: %d Kbytes\n Filename: %s		<srv,sup,log,myhost>
4028	The GE System Log was pruned.\n The history appearing before the cutoff point has been removed.\n Cutoff point offset: %d\n Cutoff time: %.24s\n Original file size: %d\n Current size: %d\n Maximum hours: %d\n Maximum size: %d Kbytes\n Filename: %s		<srv,sup,log,myhost>
4029	This code was not expected to be executed.		<sup,myhost,log>
4030	Unable to reply to RPC call.		<srv,sup,log,myhost>
4031	Unable to create an RPC server.		<srv,sup,log,myhost>
4032	Unable to register GESYSLOG_PROG/GESYSLOG_VERS service.		<srv,sup,log,myhost>

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ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
4033	A new GE System Log was just created.\n Filename: %s		<srv,sup,log,myhost>
4034	An illegal character was changed to a blank in the preceeding error message.\n Original character: %x (hex)\n Offset in message: %d		<sup,myhost,log>
4035	The end of the GE System log was truncated\n because a partial message was detected.\n Original log size: %d bytes\n Size after truncation: %d bytes		<srv,sup,log,myhost>
4036	The GE System Log is full, unable to add message.\n File: %s\n Run \"storelog\" to free up disk space."		<all,myhost,log>
4037	Unable to append message to GE System Log.\n File: %s\n Errno: %d		<srv,sup,log,myhost>
4038	Unable to allocate space for an RPC structure within the GE Syslog daemon.\n Structure type: %d		<srv,sup,log,myhost>
4039	The prunedLogTime value from the host configuration file is out of range.\n Value specified: %u hours\n Value used: %u hours		<all,myhost,log>
4040	The prunedLogSize value from the host configuration file is out of range.\n Value specified: %uk bytes\n Value used: %uk bytes		<all,myhost,log>
4041	Text from message transport packet too large.		<sup,myhost,log>
4042	Unable to set status semaphore.\n Semaphore Id: %xh\n Error #%d		<sup,myhost,log>
4043	Unable to connect to status semaphore.\n Error #%d		<sup,myhost,log>
4044	Unable to open GE System Log.\n File: %s\n Errno: %d		<sup,log,myhost>
4045	Signal %d has been received a total of %d times.		<sup,log,myhost>
4046	lseek failed:\n file: %s\n offset: %lu\n errno: %d\n Unable to access the message log. To access the log, you must shut down\n and re-boot the system.		<all,log,myhost>

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4047	read failed:\n file: %s\n\ offset: %lu\n\ size: %d\n\ errno: %d\n\ Unable to access the message log. To access the log, you must shut down\n\ and re-boot the system.		<all,myhost,log>
4048	Unable to open system log\n\ file: %s\n\ errno: %d\n\ Unable to access the message log. To access the log, you must shut down\n\ and re-boot the system.		<all,myhost,log>
4049	Software Error.\n\ Exit product and re-boot the system to clear the error.		<all,myhost,log>
4050	Unable to find any messages matching viewing level criteria.		<all,myhost,log>
4051	Unable to close system log file: %s errno = %d.		<srv,sup,log,myhost>
4052	rstat failed:\n\ file: %s\n\ errno: %d\n\ Unable to access the message log. To access the log, you must shut down\n\ and re-boot the system.		<all,myhost,log>
4053	RPC connection to geSyslogd failed, error: %d, errno: %d.		<srv,sup,log,myhost>
4054	Prune in progress.\n\ To access the updated message log, select Current Messages\n\ and then select either View Log Left or View Log Right.		<all,myhost,log>
4055	The log being viewed was in an invalid state, which is state: %s.\n\ The log may have been renamed due to some other process detecting a problem.\n\ To access the updated log, select Current Messages\n\ and then either View Log Left or View Log Right.		<all,myhost,log>
4056	Prune in progress.\n\ To access the updated message log, type e<enter> to exit\n\ and then type viewLog<enter> to re-enter viewLog.		<all,myhost,log>
4057	The log being viewed was in an invalid state, which is state: %s.\n\ The log may have been renamed due to some other process detecting a problem.\n\ To access the updated log, type e<enter> to exit\n\ and then type viewLog<enter> to re-enter viewLog.		<all,myhost,log>
5600	The msgView process and the error log have been successfully initialized.		<srv,sup,log,myhost>
5601	The msgView process and the error log have undergone a normal shutdown.		<srv,sup,log,myhost>
5602	The system software has been initialized. Hospital: <%s> \ GE Medical Systems Software Version: <%s>.		<srv,sup,log,myhost>
5603	The system software has been shutdown. Hospital: <%s> \ GE Medical Systems Software Version: <%s>.		<srv,sup,log,myhost>
5604	Unable to initialize GE System Log.\n\ File: %s		<all,myhost,log>

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5605	Unable to open GE System Log.\n File: %s\n Errno: %d		<all,myhost,log>
5606	Error: sprintf system call.		<all,myhost,log>
100000	autoview running in SHOW mode, image files will NOT be deleted		<log,myhost,opr>
100001	Viewable image buffer size LIMIT = %f		<log,myhost,opr>
100002	Hold image buffer size LIMIT = %f		<log,myhost,opr>
100003	Viewable image buffer size LIMIT = %fMeg, Hold image buffer size LIMIT = %fMeg		<log,svr,myhost>
100004	Created a new State File (%s)		<log,svr,myhost>
100005			<log,myhost,opr>
100006			<log,myhost,opr>
100007	tcl %s command no longer supported		<log,svr,myhost>
100008	Size of Lists Viewable=%d, BVHold=%d, FileHold=%d		<log,myhost,opr>
100009			<log,myhost,opr>
100010			<log,myhost,opr>
100011			<log,myhost,opr>
100012	unable to open OR create State file: %s		<log,svr,myhost>
100013	Unable to fully initialize from state file %s because a line over %d characters detected		<log,svr,myhost>
100014	illegal %s specified in X-Resource file, \nusing default value of %f		<log,svr,myhost>
100015	Skipping %s desktopLocs in Resource file because x, y values are missing		<log,svr,myhost>
100016	Skipping %s desktopLocs in Resource file because the y value is missing		<log,svr,myhost>
100017	%s X-Resource has uneven number of values,\nusing default size of %dMeg		<log,svr,myhost>
100018	skipping badly formed State name in %s		<log,svr,myhost>
100019	skipping State %s in %s\nvalue is too long		<log,svr,myhost>
100020	Trying to draw a NULL bView		<log,svr,myhost>
100021	compeleteDraw: Not displaying the BView of interest!		<log,svr,myhost>
100022	Report Cursor Location is not in the Description		<log,svr,myhost>
100023	ERROR: sorted and fifo lists are not the same size		<log,svr,myhost>
100024	somehow autoview thinks the amount of memory being used to store images is negative (%f).\nAutoview should be restarted		<log,svr,myhost>
100025	Series came in out of order.		<log,svr,myhost>
100026	AsendProcessASCIICommandToProcess failed to *d,\nThe unsent message: %s		<log,svr,myhost>
100027	Creation of hard link failed.		<log,svr,myhost>
100028	Illegal Series number (%d). Valid range is 0 - %d.		<log,svr,myhost>
100029	Illegal Echo number (%d). Valid range is 0 - %d.		<log,svr,myhost>
100030	XtMakeGeometryRequest failed (new x=%d, new y=%d)\nattempted operation on widget named: %s		<log,svr,myhost>
100031	XtMakeGeometryRequest compromised (new x=%d, new y=%d)\ncompromised x,y: %d %d		<log,svr,myhost>
100032	Event arrived for a different BView than the Selected BView\nUsing the Selected BView		<log,svr,myhost>
100033	Visualizer's BView is different than the Selected BView\nThe image will NOT be displayed		<log,svr,myhost>
100034	Trying to draw a NULL bView for slot number %d		<log,svr,myhost>
100035	Can't draw, visualizers BView is NULL		<log,svr,myhost>
100036	Can't create a BView for %s		<log,svr,myhost>
100037	Can't create a BImage for %s		<log,svr,myhost>
100038	After %d trys, gave up getting BasicFileDescription of\n%s		<log,svr,myhost>
100039	Image (%s) is of the wrong format (%d)		<log,svr,myhost>
100040	unable to remove image file: %s, Reason: %s		<log,svr,myhost>

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100041	After %d trys, gave up trying to remove/n%s		<log,svr,myhost>
100042	Received an incomplete move_av_window command with only %d values		<log,svr,myhost>
100043	illegal move_av_window location (%d, %d)		<log,svr,myhost>
100044	virtual method %s not supported		<log,svr,myhost>
100045	either can't read the raw pixels, or can't create zoomed pixels. \nIt is probably do to another process removing the image file.		<log,svr,myhost>
100046	Received Max=%d while on %s desktop and not in home position... button should have been insensitive		<log,svr,myhost>
100047	trying to Maximize on %s desktop... autoview does not belong on that desktop		<log,svr,myhost>
100048	Some process tried to move me on %s desktop... autoview does not belong on that desktop		<log,svr,myhost>
100049	can't open Image Management directory, FILE_SYSTEM_LIST= %s		<log,svr,myhost>
100050	Can't perform Save W/L.\nCan't find image file in Image Management directory (FILE_SYSTEM_LIST= %s), that is hard linked to %s		<log,svr,myhost>
333000	SVAT Proxy: Unknown error pkt type		<opr,myhost,log>
333001	SVAT Proxy: Error sending error notification to client		<opr,myhost,log>
333002	SVAT Proxy: setsockopt failed		<opr,myhost,log>
333003	SVAT Proxy: Fatal error: failed to bind listen socket		<opr,myhost,log>
333004	SVAT Proxy: Unable to create listen socket for clients		<opr,myhost,log>
333005	SVAT Proxy: Unable to initialise connection with svat		<opr,myhost,log>
333006	SVAT Proxy: Fork new child failed		<opr,myhost,log>
333007	SVAT Proxy: Error: unknown host tried to connect		<opr,myhost,log>
333008	SVAT Proxy: Error sending TPS reset Start notification to client		<opr,myhost,log>
333009	SVAT Proxy: Error sending TPS reset Start notification to client		<opr,myhost,log>
333010	SVAT Proxy: Error sending TPS reset Complete notification to client		<opr,myhost,log>
333011	SVAT Proxy: cuplpcCreate : Failed to create socket		<opr,myhost,log>
333012	SVAT Proxy: cuplpcNotify: Unable to register for data arrival		<opr,myhost,log>
333013	SVAT Proxy: cuplpcNotifyEvent: Unable to register to disconnection notification		<opr,myhost,log>
333014	SVAT Proxy: Error: cuplpcRcvMsg received packet of bad size		<opr,myhost,log>
333015	SVAT Proxy: cuplpcconnect: failed to connect		<opr,myhost,log>
333016	SVAT Proxy: cuplpcSend: Unable to send data to svat		<opr,myhost,log>
333017	SVAT Proxy: Error: Failed to fork TPS event handler child		<opr,myhost,log>
333018	SVAT Proxy: Fatal error : failed to initialize client interface.		<opr,myhost,log>
333019	SVAT Proxy: Error in MrMail init		<opr,myhost,log>
333020	SVAT Proxy: Error in registering for TPS Reset start notification		<opr,myhost,log>
333021	SVAT Proxy: Error in registering for TPS Reset complete notification		<opr,myhost,log>
333022	SVAT Proxy: Remote host has closed connection		<opr,myhost,log>
333023	SVAT Proxy: Unrecognised command sent from client		<opr,myhost,log>
333024	SVAT Proxy: Error: unrecognised opcode received		<opr,myhost,log>
333025	SVAT Proxy: Error: sending command to SVAT		<opr,myhost,log>
333026	SVAT Proxy: read_svat_reply : Unable to read svat reply		<opr,myhost,log>
333027	SVAT Proxy: error: TPS event handler child terminated unexpectedly		<opr,myhost,log>
333028	SVAT Proxy: Could not kill TPS process, pid = %d		<opr,myhost,log>
333029	SVAT Proxy: Unable to accept client connection		<opr,myhost,log>
333030	SVAT Proxy: Too many clients : connection refused		<opr,myhost,log>
333031	SVAT Proxy: Bad client packet size : %d bytes		<opr,myhost,log>
333032	SVAT Proxy: Failed to send data to client		<opr,myhost,log>
2209284	An invalid token was used as a local port identifier		<log,prg,myhost>
2209285	A request timed out before any message received		<log,prg,myhost>

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2209287	An invalid NCB command was received		<log,prg,myhost>
2209290	The address of send or receive buffer was not word aligned		<log,prg,myhost>
2209291	Warning: The specified NMRID has already been defined		<log,prg,myhost>
2209292	Attempted to redefine NMRID with non-zero token		<log,prg,myhost>
2209294	The maximum number of defined NMRIDs has been reached		<log,prg,myhost>
2209299	Attempted to delete non-empty mailbox		<log,prg,myhost>
2209300	Unsuccessful lookup attempted on an NMRID		<log,prg,myhost>
2209302	Receive packet size is greater than receive buffer size		<log,prg,myhost>
2209500	The specified buffer address is unreachable from the VME bus		<log,prg,myhost>
2209501	An empty NMRID string has been used where a name is required		<log,prg,myhost>
2209502	An invalid network revision number has been used in an IPC packet header		<log,prg,myhost>
2209503	An invalid packet type has been used in an IPC packet header		<log,prg,myhost>
2216448	Internal Software Error.\nCommand Definition file %s not found.		<log,prg,myhost>
2216449	Internal Software Error.\nSyntax error in Command Definition File %s, line %d.		<log,prg,myhost>
2216450	Internal Software Error.\nInvalid selector in Command Definition File %s, line %d.		<log,prg,myhost>
2216451	Internal Software Error.\nCallback failed. No argument callback registered.		<log,prg,myhost>
2216452	Internal Software Error.\nCommand %s, entered as %s, not registered for callback.		<log,prg,myhost>
2216453	Internal Software Error.\nReceiver %s not in theReceiverTbl.		<log,prg,myhost>
2216454	Internal Software Error.\nReceiver %s does not respond to selector %s.		<log,prg,myhost>
2216455	Internal Software Error.\nParser callback id is nil, and receiver name is NULL.		<log,prg,myhost>
2216456	Command Definition file not found. Command lines may not function properly		<pri8,svr,myhost>
2216457	Invalid Input, try again		<ioer,myhost,opr>
2216458	Input processing failed.		<ioer,myhost,opr>
2217472	%s: CV not found		<prg,myhost,log>
2217473	CV %d: no such CV		<prg,myhost,log>
2217474	shared variable %d: no such variable		<prg,myhost,log>
2217475	RSP variable %d: no such variable		<prg,myhost,log>
2217476	variable %d: not a shared variable - use getCV		<prg,myhost,log>
2217477	variable %d: not a shared variable - use putCV		<prg,myhost,log>
2217478	%s: Can not access export variables that aren't of simple types		<svr,myhost,log>
2217479	cv %d: illegal access - use putSharedVar		<prg,myhost,log>
2217480	%s: export variables can not be unfixed		<svr,myhost,log>
2217481	putshvar: buffer too large		<prg,myhost,log>
2217482	PSD is not compatible with current revision of software		<svr,myhost,log>
2217483	IPG PSD and Host PSD are not compatible		<svr,myhost,log>
2217484	The CVs in the saved PSD are not compatible with current software\ \nPlease delete the saved version of the PSD		<svr,myhost,log>
2217485	Could not read data from saved PSD		<svr,myhost,log>
2217486	Could not open the saved PSD		<svr,myhost,log>
2217487	Unable to fork the PSD off the current process		<prg,myhost,log>
2217488	Unable to start PSD		<svr,myhost,log>
2217489	Response from PSD not received within timeout period.		<svr,myhost,log>
2217490	illegal access: %s is an array of %d elements		<svr,myhost,log>
2217491	illegal access: %s is not an array		<svr,myhost,log>
2217492	specified subscript is out of bounds: %s has %d elements (starting with 0)		<svr,myhost,log>

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2217493	%s: no such RSP variable		<srv,myhost,log>
2217494	%s		<srv,myhost,log>
2217495	Specified PSD could not be found		<srv,myhost,log>
2217496	Can't download CVs to IPG. Try redownloading current PSD to the IPG		<srv,myhost,log>
2217497	Can't access the IPG PSD executable file		<srv,myhost,log>
2217498	Timed out waiting for download complete packet. Try redownloading the CVs.		<srv,myhost,log>
2217499	Saved version of PSD is corrupted. Please delete PSD file ending in .sav.		<srv,myhost,log>
2217500	Call to receive data from PSD failed		<prg,myhost,log>
2217501	Can't set EventMgr timeout		<prg,myhost,log>
2217502	No rotation matrix received before predownload.		<prg,myhost,log>
2217503	hardware subsystem communication failed, please try again		<opr,myhost,log>
2217504	A Psd Internal software error occurred.		<prg,myhost,log>
2217505	Saturation thickness entered is out of range.		<opr,myhost,log>
2217506	Heart Rate is out of range.		<opr,myhost,log>
2217507	Trigger/Arrhythmia Rejection Window is out of range.		<opr,myhost,log>
2217508	Number of heart beats per repetition time is out of range.		<opr,myhost,log>
2217509	TE is out of range.		<opr,myhost,log>
2217510	TE2 is out of range.		<opr,myhost,log>
2217511	TI is out of range.		<opr,myhost,log>
2217512	TR is out of range.		<opr,myhost,log>
2217513	Flip angle is out of range.		<opr,myhost,log>
2217514	Field of view is out of range.		<opr,myhost,log>
2217515	The Number of Scan Locs is out of range.		<opr,myhost,log>
2217516	Slice thickness is out of range.		<opr,myhost,log>
2217517	Volume quantity is out of range.		<opr,myhost,log>
2217518	Number of excitations is out of range.		<opr,myhost,log>
2217519	Number of slices before pause is out of range.		<opr,myhost,log>
2217520	%s is out of range.		<opr,myhost,log>
2217521	Trigger delay is out of range.		<opr,myhost,log>
2217522	Interscan spacing is out of range.		<opr,myhost,log>
2217523	Cannot communicate with the Psd %s anymore.		<srv,myhost,log>
2217524	The number of phases is out of range.		<opr,myhost,log>
2217525	The frequency encoding matrix element is out of range.		<opr,myhost,log>
2217526	The phase encoding matrix element is out of range.		<opr,myhost,log>
2217527	Get Cv array is full		<prg,myhost,log>
2217528	Wrong type in Cv		<prg,myhost,log>
2217529	The trigger window is out of range		<prg,myhost,log>
2217530	The trigger point is out of range		<prg,myhost,log>
2217531	The echo train length is out of range		<prg,myhost,log>
2217532	Respiratory Rate is out of range.		<opr,myhost,log>
2217533	Effective TR is out of range.		<opr,myhost,log>
2217984	Internal Software Error.\nThe %s config file could not be read.		<myhost,log,prg>
2217985	Internal Software Error.\nThe syntax of the %s config file is incorrect.		<myhost,log,prg>
2217986	Internal Software Error.\nGpcMail registration failed.		<myhost,log,prg>
2217987	Internal Software Error.\nSystem call %s failed with status = %d		<myhost,log,prg>

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2217988	Internal Software Error.\nUnable to establish communication with PSD.\n\nStatus = %d		<myhost,log,prg>
2217989	Internal Software Error.\nUnable to initialize the Raw Data Base \nManager.\n\nStatus = %d		<myhost,log,prg>
2217990	Internal Software Error.\nRDBM %s call failed with status = %d.		<myhost,log,prg>
2217991	Image file allocation failed.\nData acquisition table could not be \nretrieved from the PSD.		<myhost,log,prg>
2217992	Internal Software Error. The IFCC process could not initialize.\n\nUnable to instantiate a %s object.		<myhost,log,prg>
2217993	Internal Software Error.\nUnable to instantiate a %s object.		<myhost,log,prg>
2217994	Internal Software Error.\nSequence number %d already in use.		<myhost,log,prg>
2217995	Image file allocation failed. Please recover space for %d images.		<myhost,prg,log>
2217996	Internal Software Error.\nExam allocation failed with status = %d		<myhost,log,prg>
2217997	Internal Software Error.\nSeries allocation failed with status = %d		<myhost,log,prg>
2217998	Internal Software Error.\nExam array is full.		<myhost,log,prg>
2217999	Internal Software Error. Image file allocation failed.		<myhost,prg,log>
2218000	Internal Software Error.\nA stop packet was received without a \ncorresponding start packet.\n\nSequence Number: %d		<myhost,log,prg>
2218001	Image file allocation stopped upon request.		<myhost,log,prg>
2218002	Internal Software Error.\nImages could not be retained.\n\nStatus = %d		<myhost,log,prg>
2218003	Internal Software Error.\nA database key could not be retrieved.\n\nStatus = %d		<myhost,log,prg>
2218004	All images for Exam %d, Series %d could not be created.		<myhost,prg,log>
2218005	Internal Software Error.\nList of image keys is empty.		<myhost,log,prg>
2218006	Internal Software Error.\nUnable to set the current key.\n\nStatus = %d		<myhost,log,prg>
2218007	Internal Software Error.\nUnable to unmark image keys.\n\nStatus = %d		<myhost,log,prg>
2218008	Internal Software Error.\nUnable to copy image key.\n\nStatus = %d		<myhost,log,prg>
2218009	Internal Software Error.\nUnable to send GpcMail packets.\n\nStatus = %d		<myhost,log,prg>
2218010	Internal Software Error.\nUnable to retrieve value for key %s from \nfile %s.		<myhost,log,prg>
2218011	Internal Software Error.\nInvalid createLevel specified in start packet\n\nLevel = %d		<myhost,log,prg>
2218012	Internal Software Error.\nThe local suite could not be created.\n\nStatus = %d		<myhost,log,prg>
2218013	Internal Software Error.\nThe suite field agent could not be created.\n\nStatus = %d		<myhost,log,prg>
2218014	Internal Software Error.\nThe exam field agent could not be created.\n\nStatus = %d		<myhost,log,prg>
2218015	Internal Software Error.\nThe series field agent could not be created.\n\nStatus = %d		<myhost,log,prg>
2218016	Internal Software Error.\nThe image field agent could not be created.\n\nStatus = %d		<myhost,log,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2218017	Cannot access the series, exam or image. Try New Exam\ \nBecome failed. Status = %d		<myhost,log,prg>
2218018	Internal Software Error.\nRetrieve failed.\nStatus = %d		<myhost,log,prg>
2218019	Internal Software Error.\nSequence Number %d out of range.\n\ Valid range is %d through %d.		<myhost,log,prg>
2218020	Internal Software Error.\nUnable to set the count.\n\ Status = %d		<myhost,log,prg>
2218021	Internal Software Error.\nThere is no scan in the system for sequence \ number %d.		<myhost,log,prg>
2218022	%d image headers could not be updated in Exam %d/Series %d		<myhost,prf6,prg>
2218023	Internal Software Error.\nUnable to remove images.		<myhost,log,prg>
2218024	Internal Software Error.\nUnable to unlock images.\nStatus = %d		<myhost,log,prg>
2218025	Internal Software Error.\nUnable to copy RecKeysList.\nStatus = %d		<myhost,log,prg>
2218026	Internal Software Error.\nUnable to cancel Exam %d\nStatus = %d		<myhost,log,prg>
2218027	Internal Software Error.\nThere was no data where data was expected \ in a GpcMail packet.		<myhost,log,prg>
2218028	Internal Software Error.\nExam %d could not be found.		<myhost,log,prg>
2218029	Internal Software Error.\nUnable to replace database information.\n\ Status = %d		<myhost,log,prg>
2218030	Internal Software Error.\nUnable to update database information.\n\ Status = %d		<myhost,log,prg>
2218031	Image file allocation failed.		<myhost,log,prg>
2218032	Internal Software Error.\nThe coil config file (CoilConfig.cfg) contains \ entries for more coils than the \ntoolsdata portion of the RDB header \ supports.\nNot all coil information will be saved in the \ toolsdata portion of the RDB header.		<myhost,log,prg>
2218033	Internal Software Error.\nUnable to retrieve information for the coil in \ position number %d in the file CoilConfig.cfg		<myhost,log,prg>
2218034	Internal Software Error.\nThe sacred fields field agent could not be \ created.\nStatus = %d		<myhost,log,prg>
2218035	Internal Software Error.\nInvalid rotation of %d degrees specified.\n\ No rotation will be applied.		<myhost,log,prg>
2218036	%d images did not successfully reconstruct from Exam %d, Series %d.		<myhost,prf6,prg>
2218037	Image file allocation failed. Please try again.		<myhost,prf6,prg>
2218038	Image file allocation failed. Could not get scanInfo table from PSD.		<myhost,log,prg>
2218039	Unable to open file %s.		<myhost,log,prg>
2218040	Internal Software Error.\nThe IFCC process could not initialize; unable to \ update the suite header.\n Status = %d		<myhost,log,prg>
2218041	The prescribed coil, %s, could not be found in coil config file		<myhost,log,prg>
2218042	One or more images in this scan will exceed the maximum image number		<myhost,log,prg>
2218043	Cannot create proxy for Security (ces) process		<myhost,log,prg>
2218044	Cannot construct %s, see log		<myhost,prf6,prg>
2218045	%s contains non-alphanumeric characters		<myhost,log,prg>
2218046	Cannot find %s entry in config file %s		<myhost,log,prg>
2218047	The %s string is too long		<myhost,log,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2218048	Internal Software Error.\nExam could not be retained.\nStatus = %d		<myhost,log,prg>
2218049	Internal Software Error.\nUnable to unlock exam.\nStatus = %d		<myhost,log,prg>
2218050	dB/dt value exceeds threshold		<myhost,log,prg>
2218051	Image file allocation failed. Note that vascular images may require extra image space.		<myhost,pri6,prg>
2218052	Unable to connect to X Server.		<myhost,log,prg>
2218053	Incorrect SdC version running: %s.		<myhost,log,prg>
2218054	Call to mrMailnitX failed. Error = %d.		<myhost,log,prg>
2218055	Got an unknown reply %s from %s		<myhost,log,prg>
2218056	Internal Software Error. \nUnable to establish communications with AiM API.		<myhost,log,prg>
2218057	Internal Software Error. \nUnable to register callback with AiM API		<myhost,log,prg>
2218058	%s sdc request has failed		<myhost,log,prg>
2218059	Internal Software Error. \n%s allocation failed. Out of memory		<myhost,log,prg>
2218060	Internal Software Error. \nUnable to submit images in queue		<myhost,log,prg>
2218061	%s requires non-null %s		<myhost,log,prg>
2218062	Unable to add image path/header to tuple list		<myhost,log,prg>
2218063	Queues pending request with null-record		<myhost,log,prg>
2218064	Image connection could not open sdc file!		<myhost,log,prg>
2218065	Image connection error on initialize request manager		<myhost,log,prg>
2218066	Init notification request failed		<myhost,log,prg>
2218067	Illegal queue size requested. Must be >= 1		<myhost,log,prg>
2218068	Illegal allocation parameters		<myhost,log,prg>
2218069	Unable to read current SdC version		<myhost,log,prg>
2218070	Image install timeout must be >= 1 second		<myhost,log,prg>
2218071	Cannot rename file %s errno = %d		<myhost,log,prg>
2218072	Synchronize has not application context		<myhost,log,prg>
2218073	Synchronize has not application context		<myhost,log,prg>
2218074	Setting recon done already has packet		<myhost,log,prg>
2218075	%s: %s length too long		<myhost,log,prg>
2218076	Null install record encountered		<myhost,log,prg>
2218077	Cannot find %s path for image #%d		<myhost,log,prg>
2218078	Cannot link to file %s errno = %d		<myhost,log,prg>
2218079	Image space query failed		<myhost,log,prg>
2218080	Image space query illegal return format		<myhost,log,prg>
2218081	Not all images installed, but no more retries		<myhost,log,prg>
2218082	Internal Software Error.\nImage file allocation failed with status = %d		<myhost,log,prg>
2218083	Exam locking failed because of: %s.		<myhost,log,prg>
2218084	Exam locking failed with no returned error message.		<myhost,log,prg>
2218085	In ImageInstalled, envelope status is Error.		<myhost,log,prg>
2218086	The integer value for %s in the header = %d, and is out of range.		<myhost,prg,log>
2218087	The floating point value for %s in the header = %f, and is out of range.		<myhost,prg,log>
2218088	Data Mining: IFCC failed to log data into the file DataMine.dat due to \none of the following reasons: fopen, stat, malloc, file size.		<myhost,log,prg>
2218089	Data Mining: IFCC failed to log data into the file DataMine.dat as an \exclusive lock could not be obtained on DataMine.dat.		<myhost,log,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2218090	Data Mining: Failure of system call 'flock' while attempting to unlock \ DataMine.dat. However, the lock is released by a successful 'fclose'.		<myhost,log,svr>
2218091	Data Mining: Failure of system call flock while attempting to unlock \ DataMine.dat. Also failure of library call 'fclose'. There may be \ loss of data.		<myhost,log,svr>
2218092	Data Mining: Failure of library call 'fclose'. There may be loss of data.		<myhost,log,svr>
2218296	Error %d attempting to auto_archive with string: %s.		<myhost,log,prg>
2218297	Autotransfer error:%s.		<myhost,log,prg>
2218298	Autotransfer -- no REQUEST_RESULT received.		<myhost,log,prg>
2218299	Error %d when auto-transferring exam: %d to: %s.		<myhost,log,prg>
2218300	Browser not responding to Scan request for host list for \n auto transfer selections.		<myhost,log,prg>
2218301	Error %d when auto-transferring series: %d to: %s.		<myhost,log,prg>
2218496	Caution, Investigational Device, Limited by Federal Law to Investigational Use.		<fixedformat,myhost,log,opr>
2218497	IPG not available while TPS is being reset		<pri7,myhost,opr>
2218498	IPG communication failed, please try again.		<pri7,myhost,opr>
2218499	Cannot enter prescription. Please see the Log for more information.		<pri6,myhost,opr>
2218500	Cannot proceed. %s		<pri6,myhost,opr>
2218501	Download failed. %s		<pri6,myhost,opr>
2218502	Cannot start manual prescan. %s		<pri6,myhost,opr>
2218503	Cannot start auto prescan. %s		<pri6,myhost,opr>
2218504	Cannot start looping. %s		<pri6,myhost,opr>
2218505	This CV is not modifiable		<pri6,svr,myhost>
2218506	Illegal '%s' value entered for the CV variable. Please retype.		<pri6,svr,myhost>
2218507	This CV has been fixed. Enter 'u' or 'U' to unfix.		<pri6,svr,myhost>
2218508	Current PSD does not have fixing enabled. CV value was not fixed.		<pri6,svr,myhost>
2218509	Current PSD does not have fixing enabled. CV can not be unfixed.		<pri6,svr,myhost>
2218510	Illegal value '%s' entered for the RSP variable. Please retype.		<pri6,svr,myhost>
2218511	Cannot download while prepped or scanning.		<pri6,myhost,opr>
2218512	Internal software error, please try again.		<pri6,myhost,opr>
2218513	Internal software error\nCannot register for TPS reset or reset complete, %s		<log,prg,myhost>
2218514	Internal software error\nInternal system state out of valid range.		<log,prg,myhost>
2218515	Internal software error\nNil scan descriptor.		<log,prg,myhost>
2218516	Internal software error\nA Scan descriptor has an illegal RXMODE value of %d		<log,prg,myhost>
2218517	Internal Software Error\nInvalid IPG reset level of %d		<log,prg,myhost>
2218518	Internal Software Error.\nNil scan descriptor received.		<log,prg,myhost>
2218519	Internal Software Error.\nCurrent scan object already exists.		<log,prg,myhost>
2218520	Internal Software Error.\nScan sequence number %d already in use. states(%d,%d)		<log,prg,myhost>
2218521	Internal software error\nNo current exam		<log,prg,myhost>
2218522	Internal software error\nCurrent exam number unknown		<log,prg,myhost>
2218523	Internal software error\nCurrent prescription has no PSD		<log,prg,myhost>
2218524	Internal software error\nAccepted prescription has no PSD		<log,prg,myhost>
2218525	Internal software error\nNo current scan descriptor		<log,prg,myhost>
2218526	TPS communication failed, please try again, and see the log for details.		<pri6,myhost,opr>
2218527	Scanning has stopped. %s		<pri7,myhost,opr>
2218528	Reference Scan has stopped. %s		<pri7,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2218529	Cannot start the current scan. %s		<pri6,myhost,opr>
2218530	Cannot start the current Reference Scan. %s		<pri6,myhost,opr>
2218531	Initialization failed		<pri6,myhost,opr>
2218532	Please enter a file name for the saved PSD.		<pri6,svr,myhost>
2218533	Cannot enter setup params. %s		<pri6,myhost,opr>
2218534	Looping has been stopped.		<pri7,myhost,opr>
2218535	Mail registration failed		<log,prg,myhost>
2218536	Image file creation unsuccessful. Please try again.		<pri6,myhost,opr>
2218537	Scan stopped, %s		<pri5,myhost,opr>
2218538	Current scan's image state invalid (%d)		<log,prg,myhost>
2218539	ATTENTION: To prevent possible patient burns, adhere to correct cable routing.\nRefer to manual.		<pri5,formatted,myhost,opr>
2218540	ATTENTION: To avoid possible fire and arcing, do not cross cables of surface coils.		<pri5,formatted,myhost,opr>
2218541	SAR has exceeded the maximum allowable. Revise scan parameters.		<pri6,myhost,opr>
2218542	Please make sure the patient fans are on.		<pri4,myhost,opr>
2218543	Cannot find file %s.		<log,prg,myhost>
2218544	Error forking process for son-of-recon.		<log,prg,myhost>
2218545	Son-of-recon could not be started.		<pri7,svr,myhost>
2218546	Could not exec son-of-recon process %s.		<log,prg,myhost>
2218547	No scan object for sequence number %d.		<log,prg,myhost>
2218548	Son-of-Recon failure, exit status=%d.		<log,prg,myhost>
2218549	Could not find config file info for coil %s.		<log,prg,myhost>
2218550	The %s command is currently unavailable.		<pri7,myhost,opr>
2218551	Cannot start new exam, previous exam object still exists.		<log,prg,myhost>
2218552	TPS Communicatin error\nCould not send optional filters packet to host server.		<log,prg,myhost>
2218553	TPS Communicatin error\nDid not receiver response to optional filter packet from host server.		<log,prg,myhost>
2218554	Backing up from review will destroy prescribe ahead.		<opr,myhost,log>
2218555	Cannot enter service protocol mode without service key.		<pri6,myhost,opr>
2218556	Cannot create the security proxy.		<log,prg,myhost>
2218557	Optional filter and real-time filter requested for same receiver slot.		<log,prg,myhost>
2218558	TPS Communicatin error\nCould not send real-time filters packet to prescan exec.		<log,prg,myhost>
2218559	TPS Communicatin error\nDid not receiver response to real-time filter packet from prescan exec.		<log,prg,myhost>
2218560	TPS Communicatin error\nTmed out on real-time filter calculation done packet.		<log,prg,myhost>
2218561	The Spectro process is supposed to be active when this packet arrives.		<log,prg,myhost>
2218562	The Spectro process is supposed to be idle when this packet arrives.		<log,prg,myhost>
2218563	There was an error sending the startGradShim packet.		<log,prg,myhost>
2218564	There was an error while expecting a prescan done packet.		<log,prg,myhost>
2218565	There was an error sending the prescan start packet.		<log,prg,myhost>
2218566	There was an error sending the spectro start packet.		<log,prg,myhost>
2218567	Couldn't send display complete packet (one of CV, RSP, or PSDhdr).		<log,prg,myhost>
2218568	Couldn't send the landmark changed packet.		<log,prg,myhost>
2218569	Couldn't send the download complete packet.		<log,prg,myhost>
2218570	Cannot start spectro. %s		<pri6,svr,myhost>
2218571	Cannot start gradshim. %s		<pri6,svr,myhost>
2218572	The RECON-stopped packet contained a NULL buffer.		<log,prg,myhost>
2218573	Couldn't send a TimStopScan packet.		<log,prg,myhost>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2218574	Communications have failed. Please try again.		<pri6,myhost,opr>
2218575	The MrMail send of %s to %s failed.		<log,prg,myhost>
2218576	Prescan values: R1=%d R2=%d TG=%d AX=%d.		<pri8,myhost,opr>
2218577	Send of the IFCC Image Alloc Start packet failed. gpcStatus = %d		<log,prg,myhost>
2218578	Unable to start a Spectroscopy session. Please try again.		<pri6,svr,myhost>
2218579	Prescription copy failed, cannot enter prescription.		<log,prg,myhost>
2218580	Unexpected allocDone packet received from IFCC for sequence number %d. \ \nscan state was %d		<log,prg,myhost>
2218581	Unexpected allocResp packet from ifcc for sequence number %d. \ \nscan object was nil		<log,prg,myhost>
2218582	Unexpected allocResp packet from ifcc for sequence number %d. \ \nscan object state was %d		<log,prg,myhost>
2218583	Unexpected scanStop, current scan state is %d		<log,prg,myhost>
2218584	Your prescription may no longer be valid due to a new landmark.		<pri6,myhost,opr>
2218585	ATTENTION: To avoid possible hearing impairment, provide ear protection during scan.		<pri4,fixedformat,myhost,opr>
2218586	Can't open scn.out OR can't delete scn.out.old in the current\ \ndirectory.		<log,prg,myhost>
2218587	The PSD headr is NULL.		<log,prg,myhost>
2218588	An automatic pause may occur for the currently prescribed acquisition.		<pri7,myhost,opr>
2218589	Son-of-Recon failed. Please see the log.		<pri7,svr,myhost>
2218590	TPS reset: you may need a new landmark.		<pri6,myhost,opr>
2218591	Internal Software Error. Recon\ \nmay not be complete Please\ \nsee the log for details.		<pri7,myhost,opr>
2218592	The MrMail send of %s to %s timed out.		<log,prg,myhost>
2218593	Please stop the scan.\ \nAlso reset TPS.\ \nCommunications failure.		<pri6,myhost,opr>
2218594	Negative index is invalid. Try again.		<pri6,myhost,opr>
2218595	Gpc mail send fail: tirFeederPacket		<log,prg,myhost>
2218596	The send of the imageAlloc packet to recon failed.		<log,prg,myhost>
2218597	Avg. Sar exceeds %3.1fW/Kg. Proceed?		<log,prg,myhost>
2218598	Peak Sar exceeds %3.1fW/Kg. Proceed?		<log,prg,myhost>
2218599	Invalid RSP index value entered.		<pri6,svr,myhost>
2218600	Invalid CV entered.		<pri6,svr,myhost>
2218601	An error occurred reading the %s config file at line %d.		<pri7,log,prg,myhost>
2218602	Internal Software Error. The rhdab0 CVs must be in the range of 0..3.		<log,prg,myhost>
2218603	Service Protocol		<opr,myhost,log>
2218604	Site Protocol		<fixedformat,myhost,log,opr>
2218605	GE Protocol		<opr,myhost,log>
2218606	NEW INRX RXD ACT SCND		<opr,myhost,log>
2218607	A Rx series from the list of prescribed series must be selected before View/Edit operation can be performed.		<opr,myhost,log>
2218608	Too many Rx series are selected. Only one Rx series from the list of prescribed series must be selected before View/Edit operation can be performed.		<opr,myhost,log>
2218609	A Rx series from the list of prescribed series must be selected before Prepare to Scan operation can be performed.		<opr,myhost,log>
2218610	The buffer passed for Rx description is too small.		<opr,myhost,log>
2218611	The selected Rx is already being View/Edited.		<opr,myhost,log>
2218612	The prepare to scan operation failed.		<opr,myhost,log>
2218613	The download of a new prescription failed, as the last Rx is still scanning.		<opr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2218614	initialized, downloaded, prescanning, refprepped, refscanning, prescanned, prepped, scanning, scanned		<opr,myhost,log>
2218615	Download, Prescan, refprep, refstart scan, refscan done, Prescan done, prep, start scan, scan done		<opr,myhost,log>
2218616	Internal software error has occurred in scanner state machine. The scanner cannot accept %s event, when in %s state.		<pri6,log,myhost,opr>
2218617	The download of a prescribed series failed.		<opr,myhost,log>
2218618	The TPS has reset.		<opr,myhost,log>
2218619	The automatic scanning of currently active Rx failed.		<opr,myhost,log>
2218620	The Auto Scan Mode has been turned off.		<opr,myhost,log>
2218621	Invalid event, cannot download in current state.		<opr,myhost,log>
2218622	Failed to determine next state.		<opr,myhost,log>
2218623	Invalid state passed.		<opr,myhost,log>
2218624	Failed to execute the next event.		<opr,myhost,log>
2218625	Failed to download Rx %s.		<opr,myhost,log>
2218626	Failed to start scanning Rx %s.		<opr,myhost,log>
2218627	Download of packets failed.		<opr,myhost,log>
2218628	Bad patient position.		<opr,myhost,log>
2218629	Bad patient entry information.		<opr,myhost,log>
2218630	The download of a prescribed series failed. Internal status code is %s.		<log,prg,myhost>
2218631	Failed to allocate new exam information.		<opr,myhost,log>
2218632	The series is currently being scanned. Cannot prepare it to scan.		<opr,myhost,log>
2218633	The series has not been saved yet. Cannot prepare it to scan.		<opr,myhost,log>
2218634	A breath-hold scan has been prescribed.		<opr,myhost,log>
2218635	A contrast agent injection is needed.		<opr,myhost,log>
2218636	The event: %d is invalid in state %d.		<log,myhost,opr>
2218637	Failed to fork %s		<log,myhost,opr>
2218638	Missing or incorrect permissions on file %s		<log,myhost,opr>
2218639	Selected host for Auto Transfer is invalid.\nCannot end exam.		<pri4,log,myhost,opr>
2218640	Invalid RSP Entered.		<pri6,svr,myhost>
2218641	SGD Option key status does not match the /w/config/GradientConfig.cfg SRMode. SRmode=%s, GradAmpType=%s. Please correct configuratic		<log,myhost,opr>
2218642	SGD Option key status does not match the Slew Rate configured.		<pri1,myhost,opr>
2218643	Dummy packet was sent to TPS for MRIge44645.		<log,myhost,opr>
2218644	View/Edit is not allowed on this Series.		<opr,myhost,log>
2218645	Auto Step is not available for this PSD		<opr,myhost,log>
2218646	The Auto Step Mode has been turned off.		<opr,myhost,log>
2218647	Select a Valid MetaSeries		<opr,myhost,log>
2218648	Scn: Incompatible Scan Range, Apply ignored		<opr,myhost,log>
2218649	Scn: Remote download failed		<opr,myhost,log>
2218650	Scn: No of Successful Scan = %d , No of Failed Scan = %d		<opr,myhost,log>
2219008	Please select at least one waveform to be displayed.		<pri5,myhost,opr>
2219009	TPS is not responding. Please redownload.		<pri6,myhost,opr>
2219010	TPS has been reset. Please restart the waveforms after the download is complete.		<pri8,myhost,opr>
2219011	HGP exiting due to unrecoverable error: %d		<prg,myhost,log>
2219012	Cannot register for TPS reset or reset complete, %s.		<pri6,log,svr,myhost>
2219013	The valid range of values for trigger level is between %d and %d.		<pri6,myhost,opr>
2219014	The trigger level value rejected by the Gating Subsystem.		<pri6,log,myhost,opr>
2219015	Host Gating Process cannot initialize Security options software.		<pri6,log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2219016	The Gating subsystem cannot be reinitialized during scanning.		<pri6,myhost,opr>
2219017	The Cine Filter command was rejected by the Gating Subsystem.		<pri6,log,myhost,opr>
2219018	The Calibration command was rejected by the Gating Subsystem.		<pri6,log,myhost,opr>
2219019	%s: MrMailMgr initialization failed.		<log,myhost,opr>
2219020	%s: Building a cpb request structure failed.		<log,myhost,opr>
2219021	%s: Sending a request packet failed.		<log,myhost,opr>
2219022	%s: Communication timed out.		<log,myhost,opr>
2219023	%s: Converting the response packet failed.		<log,myhost,opr>
2219024	%s: Request failed. CpbErrno = %d		<log,myhost,opr>
2219025	BPM		<opr,myhost,log>
2219026	Resp		<opr,myhost,log>
2219027	Perc		<opr,myhost,log>
2219028	Resp Phase		<opr,myhost,log>
2219029	Waveform On		<opr,myhost,log>
2219030	Waveform Off		<opr,myhost,log>
2219031	Left		<opr,myhost,log>
2219032	Right		<opr,myhost,log>
2219033	SVAT ERROR: no default event defined.		<opr,myhost,log>
2219034	update SPU failed		<opr,myhost,log>
2219035	The Audio Level command was rejected by the Gating Subsystem.		<pri6,log,myhost,opr>
2219036	The Horizontal Trigger Level Annotation command was rejected by the Gating Subsystem.		<pri6,log,myhost,opr>
2219037	The Advanced Gating command was rejected by the Gating Subsystem.		<pri6,log,myhost,opr>
2219038	Invalid gating request bit %d.		<prg,myhost,log>
2219039	TPS/IPG communications failed. A redownload of TPS may be necessary.		<log,myhost,opr>
2219040	The Gating Request packet failed to reach the IPG.		<prg,myhost,log>
2219200	%s		<myhost,log,prg>
2219201	Callback registration with RTV failed :		<myhost,log,prg>
2219202	Event management initialization failed		<myhost,log,prg>
2219203	Server object initialization failed :		<myhost,log,prg>
2219204	eraseGraphics() is failed		<myhost,log,prg>
2219205	Failure in setting the navigation mode(InPlane/ThroughPlane)		<myhost,log,prg>
2219206	Failure in stopNavigation.		<myhost,log,prg>
2219207	Failure in setting the cutplane tool(Center/Line/TwoPointTool/ThreePointTool).		<myhost,log,prg>
2219208	Failure in setting the Point index		<myhost,log,prg>
2219209	Callback from RTV contains only zeros. So do nothing		<myhost,log,prg>
2219210	Failure in setting the shared memory buffer name		<myhost,log,prg>
2219211	Failure in setting the shared memory slots		<myhost,log,prg>
2219212	Failure in setting the shared memory bytes		<myhost,log,prg>
2219213	Failure in setting the RealTime Packet Description		<myhost,log,prg>
2219214	Failure in registering the New Image Acquired Callback		<myhost,log,prg>
2219215	Failure in registering the Deposit Cursor Callback		<myhost,log,prg>
2219216	Failure in registering the Line Tool Callback		<myhost,log,prg>
2219217	Failure in registering the InPlane Callback		<myhost,log,prg>
2219218	Failure in registering the ThroughPlane Callback		<myhost,log,prg>
2219219	Failure in registering the New Review Image Displayed Callback		<myhost,log,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2219220	Failure in registering the Reference Viewport Callback		<myhost,log,prg>
2219221	Failure in setting the parent widget with RTV		<myhost,log,prg>
2219222	Failure to display Image in viewport no : %d		<myhost,log,prg>
2219223	Failure in setting the annotation level		<myhost,log,prg>
2219224	Failure in the call to create window		<myhost,log,prg>
2219225	Failure in setting the display mode		<myhost,log,prg>
2219226	Failure in setting/getting image UID		<myhost,log,prg>
2219227	Failure in cleaning up the shared memory image buffer		<myhost,log,prg>
2219228	Failure in the display server initialization		<myhost,log,prg>
2219229	Failed to associate with RTVImageSaver		<myhost,log,prg>
2219230	Failed to save the Image in the data base		<myhost,log,prg>
2219231	Failed to send the CORBA event to the client		<myhost,log,prg>
2219232	Shared memory overwrite call failed.		<myhost,log,prg>
2219233	renderCurrentImageToBuffer call failed. No image in buffer.		<myhost,log,prg>
2219234	getPixelsForImage: Failed to convert image uid.		<myhost,log,prg>
2219235	releaseBufferLocks: failed		<myhost,log,prg>
2219236	setting the cine range failed		<myhost,log,prg>
2219237	Realtime viewer unable to set Play range		<myhost,log,prg>
2219238	Realtime viewer unable to stop cine		<myhost,log,prg>
2219239	Realtime viewer unable to set FPS		<myhost,log,prg>
2219300	%s		<myhost,log,prg>
2219301	MrMail %s packet registration failed		<myhost,log,prg>
2219302	Could not send Pause Scan Packet		<myhost,log,prg>
2219303	Could not send Resume Scan Packet		<myhost,log,prg>
2219304	Could not send Stop Scan Packet		<myhost,log,prg>
2219305	Could not update RSPS		<myhost,log,prg>
2219306	Could not get RSPS		<myhost,log,prg>
2219307	Could not retrieve the given error message from the database		<myhost,log,prg>
2219308	Could not dispatch the constructed error message event to RTIA.		<myhost,log,prg>
2219309	Could not dispatch the scanner state change event to RTIA.		<myhost,log,prg>
2219310	Could not dispatch the TPS Reset state change event to RTIA.		<myhost,log,prg>
2219311	Could not connect to Scanner State Event Channel as Supplier		<myhost,log,prg>
2219312	Could not connect to TPS State Event Channel as Supplier		<myhost,log,prg>
2219313	Could not connect to Error Message Event Channel as Consumer		<myhost,log,prg>
2219314	Could not connect to Error Message Event Channel as Supplier		<myhost,log,prg>
2219400	MrMail initialization failed in RIR		<myhost,log,prg>
2219401	CORBA initialization failed in RIR: %s		<myhost,log,prg>
2219402	Bit3 initialization failed in RIR		<myhost,log,prg>
2219403	Unable to read the template header sent from scan: %s		<myhost,log,prg>
2219404	Bit3 read failure		<myhost,log,prg>
2219405	The pixel data size sent from the file server is greater than prescribed		<myhost,log,prg>
2219406	MRMAIL send failed		<myhost,log,prg>
2219407	A divide by zero error would have occurred :%s		<myhost,log,prg>
2219408	RIR header coming with the realtime image contains invalid values : %s		<myhost,log,prg>
2219409	RIR Initialization Failed at %s.		<myhost,log,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2219410	Unable to create MrMail packet.		<myhost,log,prg>
2219411	Unable to get bufcontent from a mail packet.		<myhost,log,prg>
2219412	Unable to set into MrMail packet - %s.		<myhost,log,prg>
2219413	Invalid arguments were set.		<myhost,log,prg>
2219414	Shared memory control flag is disable. (flag=%d)		<myhost,log,prg>
2219415	Unable to get shared memory id. (shmKey=%d, shmSizeByte=%d)		<myhost,log,prg>
2219416	Unable to attach shared memory segment. (shmid=%d)		<myhost,log,prg>
2219417	Unable to get data from Host Recon at %s.		<myhost,log,prg>
2219418	Unable to create ILSHaredBufferGroup.		<myhost,log,prg>
2219419	Unable to get shared buffer for buffer full.		<myhost,log,prg>
2219420	Shared buffer address is invalid. %s		<myhost,log,prg>
2219520	Patient sex must be entered as '%c' or '%c'.		<log,myhost,opr>
2219521	Monitor SAR must be entered as 'y' or 'n'.		<log,myhost,opr>
2219522	Exam status must be entered as 'in', 'out', 'ref' or 'em'.		<log,myhost,opr>
2219523	Patient weight entered is out of range; valid limits are %d to %d kilograms.		<log,myhost,opr>
2219524	Patient weight entered is out of range; valid limits are %d to %d pounds.		<log,myhost,opr>
2219525	Suite Config File, 'Suite.cfg', was not found.		<log,svr,myhost>
2219526	Host Config File, 'Host.cfg', was not found.		<log,svr,myhost>
2219527	MR System Config File, 'MRconfig.cfg', was not found.		<log,svr,myhost>
2219528	Coil Config File, 'CoilConfig.cfg', was not found.		<svr,myhost,log>
2219529	There was a memory error.		<svr,myhost,log>
2219530	Patient age entered is out of range; valid range is 1 to 23 months.		<log,myhost,opr>
2219531	Patient age entered is out of range; valid range is 1 to 51 weeks.		<log,myhost,opr>
2219532	A bad birth date was entered.		<log,myhost,opr>
2219533	Patient age entered is out of range; valid range is 1 to 365 days.		<log,myhost,opr>
2219534	Patient age entered is out of range; valid range is 1 to 123 years.		<log,myhost,opr>
2219535	There was a bad ARGSTR.		<prg,myhost,log>
2219536	There are incompatible config file revision numbers.		<pri7,log,svr,myhost>
2219537	When specified, units of patient age must be entered as a trailing 'd', 'w', 'm', or 'y'. If no units are specified, the system will assume years.		<fixedformat,myhost,log,opr>
2219538	Invalid key %d entered for scan descriptor access.		<log,prg,myhost>
2219539	Entry level not found in the scan descriptor (bone).		<prg,myhost,log>
2219540	Direction of entry into prescription not defined.		<prg,myhost,log>
2219541	There is no patient id in the scan descriptor; series or scan is invalid.		<log,prg,myhost>
2219542	Enter a valid patient id before continuing with the prescription.		<log,myhost,opr>
2219543	No previous prescription, patient id %s is invalid.		<log,myhost,opr>
2219544	Landmark changed in prescribing new series.		<log,myhost,opr>
2219545	Invalid value %d of imaging mode.		<log,prg,myhost>
2219546	Invalid value %d of pulse sequence.		<log,prg,myhost>
2219547	This is an invalid combination of Imaging Mode and Pulse Sequence.		<log,myhost,opr>
2219548	Internal software error: Invalid update action %d specified for user interface.		<prg,myhost,log>
2219549	IPG Reset failed.		<log,myhost,opr>
2219550	CAUTION: Device for investigational use in laboratory animals or other tests that do not involve human subjects.		<fixedformat,myhost,log,opr>
2219551	Scan locations and FOV Center offsets only allow 0.1 millimeter increments.		<log,myhost,opr>
2219552	Invalid input.		<log,myhost,opr>
2219553	Number of Locations cannot be entered without Scan Thickness, Interscan Spacing, and Start and End Locations.		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2219554	To enter more than one scan location, Start and End Locations must be different.		<log,myhost,opr>
2219555	An internal software error occurred.		<log,srv,myhost>
2219556	The maximum number of allowable scan locations is %d.		<log,myhost,opr>
2219557	This is an invalid combination of Image Mode %s and Pulse Sequence %s.		<log,myhost,opr>
2219558	Please fill in all the soft keys and data fields before continuing.		<log,myhost,opr>
2219559	%s		<log,myhost,opr>
2219560	Scan table must be further into the bore to do the requested prescription.		<log,myhost,opr>
2219561	Scan table would go too far into the bore to do the requested prescription.		<log,myhost,opr>
2219562	PSD should not specify both Interleaving and 6 Interscan Spacing buttons.		<log,prg,myhost>
2219563	Scan %s Location, FOV Center are outside the %s coil radius.		<log,myhost,opr>
2219564	Scanning Range on the S/I axis is outside the %s coil.		<log,myhost,opr>
2219565	Start and End Locations cannot be the same for oblique prescriptions.		<log,myhost,opr>
2219566	An invalid character %c was entered for patient id.		<log,myhost,opr>
2219567	Interscan Spacing, Scan Thickness, and Field of View must be selected before any scan locations may be deposited.		<log,myhost,opr>
2219568	Pre-Downlod to Psd Manager failed.		<log,myhost,opr>
2219569	A prescription cannot be changed after attempting to prep or scan with it.		<log,myhost,opr>
2219570	Cannot exit from the screen, because the SAR values are out of range.		<log,myhost,opr>
2219571	Thickness cannot be changed after %s been prescribed.		<log,myhost,opr>
2219572	Graphic Options cannot be changed after scan locations have been prescribed.		<log,myhost,opr>
2219573	Graphic Options cannot be changed after a volume has been prescribed.		<log,myhost,opr>
2219574	SAT locations can be entered only in 0.1 mm increments.		<log,myhost,opr>
2219575	Invalid location entered for %c SAT band.		<log,myhost,opr>
2219576	SAT locations prescribed are out of range; the minimum is %d, the maximum is %d.		<log,myhost,opr>
2219577	The locations for %c SAT band overlap.		<log,myhost,opr>
2219578	The thickness of the SAT band is out of range; the minimum is %d, the maximum is %d.		<log,myhost,opr>
2219579	Coil type is undefined.		<log,myhost,opr>
2219580	Graphic Option not available; no acquired scan locations with current landmark.		<log,myhost,opr>
2219581	A new landmark has been issued since the previous prescription.		<pri7,formatted,myhost,opr>
2219582	The velocity encoding parameter is out of range; the minimum is %d, the maximum is %d.		<log,myhost,opr>
2219583	obsolete error message		<log,myhost,opr>
2219584	The requested localizer could not be used. Another was chosen.		<log,myhost,opr>
2219585	Non-catastrophic Graphic Error - %d.		<log,srv,myhost>
2219586	The centers of some or all of the scan locations are not on the localizer. Please move them onto the localizer before selecting Adjust Off.		<formatted,myhost,log,opr>
2219587	The cursor must be closer to a desired scan location.		<log,myhost,opr>
2219588	Could not enter the Scanning Range Screen, the IP is busy.		<log,myhost,opr>
2219589	Catastrophic Graphic Error - %d. Please do another prescription.		<log,srv,myhost>
2219590	No localizers exist for this exam.		<log,myhost,opr>
2219591	No valid localizers exist for the current prescription.		<log,myhost,opr>
2219592	Scan locations must be prescribed before proceeding forward from the Scanning Range Screen.		<log,myhost,opr>
2219593	A landmark is required to continue this prescription.		<log,myhost,opr>
2219594	Field of View, Scan Thickness, and Number of Scan Locations must be selected before a volume may be deposited.		<log,myhost,opr>
2219595	Only SAT bands parallel to the scan plane are allowed with Concat SAT.		<log,myhost,opr>
2219596	A volume must be prescribed before proceeding forward from the Scanning Range Screen.		<log,myhost,opr>
2219597	Number of Scan Locations cannot be changed after a volume has been prescribed.		<log,myhost,opr>
2219598	The Fov button can not be deselected after %s been prescribed.		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2219599	The Interscan Spacing button can not be deselected after scan locations have been prescribed.		<log,myhost,opr>
2219600	Can not select Multi Phase since maximum phases = %d.		<log,myhost,opr>
2219601	PSD file could not be found.		<log,svr,myhost>
2219602	Waiting for information from the Gating Subsystem. Please try again.		<log,myhost,opr>
2219603	There are no more series or scans for %s protocol.		<log,myhost,opr>
2219604	The date entered would result in a negative age.		<log,myhost,opr>
2219605	The PSD, %s, could not be started.		<log,myhost,opr>
2219606	The FOV change will affect all scan locations.		<log,myhost,opr>
2219607	The cursor is not valid for this application.		<log,myhost,opr>
2219608	Invalid row value %d passed to the advisory panel.		<prg,myhost,log>
2219609	Invalid gating request bit %d.		<prg,myhost,log>
2219610	Could not register the object \theLandmark\" with Mr Mail."		<prg,myhost,log>
2219611	Could not register the object \theGatingMgr\" with Mr Mail."		<prg,myhost,log>
2219612	Could not register the object \theGRxMgr\" with Mr Mail."		<prg,myhost,log>
2219613	Wrong value %d for pulse sequence.		<prg,myhost,log>
2219614	Wrong value %d for Imaging Mode.		<prg,myhost,log>
2219615	Invalid Rx level %d or direction %d specified.		<prg,myhost,log>
2219616	Invalid Rx direction %d specified.		<prg,myhost,log>
2219617	Invalid Rx level %d specified.		<prg,myhost,log>
2219618	Invalid Screen number %d specified.		<prg,myhost,log>
2219619	Image mode is not in the Bone.		<prg,myhost,log>
2219620	Pulse Sequence is not in the Bone.		<prg,myhost,log>
2219621	The coil name %s could not be found in the configuration file.		<log,myhost,opr>
2219622	The selected lead is not functional. Please select another lead.		<log,myhost,opr>
2219623	If 3D Imaging Mode is selected, Graphic Rx Imaging Option must also be selected.		<log,myhost,opr>
2219624	Oblique scan plane is not supported with this imaging mode.		<log,myhost,opr>
2219625	TPS/IPG communications failed. A redownload of TPS may be necessary.		<log,myhost,opr>
2219626	The Gating Request packet failed to reach the IPG.		<prg,myhost,log>
2219627	The Gating Select Packet failed to reach the IPG.		<prg,myhost,log>
2219628	The BAM Check Packet failed to reach the TPS.		<prg,myhost,log>
2219629	The Patient Position Packet failed to reach the IPG.		<prg,myhost,log>
2219630	The Coil Packet failed to reach the IPG.		<prg,myhost,log>
2219631	The coil name selection is not valid, hence it is being discarded.		<log,myhost,opr>
2219632	The object \parEntry\" is not populated correctly."		<prg,myhost,log>
2219633	The object \parPosition\" is not populated correctly."		<prg,myhost,log>
2219634	A protocol named %s already exists. The name of a new protocol must differ from an existing protocol name by at least one character.		<log,fixedformat,myhost,opr>
2219635	There is no series beginning at the line of the selection. Make another selection.		<log,myhost,opr>
2219636	There is no scan beginning at the line of the selection. Make another selection.		<log,myhost,opr>
2219637	There is no protocol at the selection. Please make another selection.		<log,myhost,opr>
2219638	Please enter the protocol name in the edit field. The list selection is not accepted.		<log,myhost,opr>
2219639	The maximum number of series in a protocol is %d. Cannot add a new series to the current protocol.		<log,myhost,opr>
2219640	The maximum number of scans in a series of a protocol is %d. Cannot add a new scan to the current series in the protocol.		<fixedformat,myhost,log,opr>
2219641	Last scan in a series cannot be deleted. Delete the series instead.		<log,myhost,opr>
2219642	Page number could not be sent to the PSD.		<prg,myhost,log>
2219643	Could not get op_necho cv from PSD.		<prg,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2219644	Please select a scan in the series %d, which is being currently executed.		<log,myhost,opr>
2219645	Prescription is in new series. Please select a series in the protocol to be executed.		<log,myhost,opr>
2219646	There are no more scans in the current series being executed in the protocol.		<log,myhost,opr>
2219647	There are no more series in the protocol currently being executed.		<log,myhost,opr>
2219648	There are no more series or scans in the protocol currently being executed.		<log,myhost,opr>
2219649	No protocol has been selected for loading.		<log,myhost,opr>
2219650	The given protocol %s cannot be found in the system.		<log,myhost,opr>
2219651	Invalid protocol name entered. A protocol name cannot be all spaces or numeric characters and cannot have the character '/'.		<log,myhost,opr>
2219652	Failed to transit to the First Page.		<log,myhost,opr>
2219653	Failed to transit to the Last Page.		<log,myhost,opr>
2219654	Failed to transit to the Current Page.		<log,myhost,opr>
2219655	Failed to transit to the Prior Page.		<log,myhost,opr>
2219656	Failed to transit to the Next Page.		<log,myhost,opr>
2219657	Failed to write protocol to file.		<log,prg,myhost>
2219658	Failed to insert data in protocol %s.		<log,prg,myhost>
2219659	Failed to create a scan in protocol %s. Need to create a series, before a scan can be added to it.		<log,myhost,opr>
2219660	Failed to delete/insert series in protocol %s.		<log,prg,myhost>
2219661	There is no series or scan data in protocol %s.		<log,prg,myhost>
2219662	Failed to read the protocol file %s. Probably it is corrupted, and needs to be deleted.		<log,prg,myhost>
2219663	Failed to write to the protocol file %s.		<log,prg,myhost>
2219664	Cardiac still initializing or no valid input available. Please see messages area.		<log,myhost,opr>
2219665	Attention: The system's recommended heart rate will produce the best image quality. Other heart rates can result in poor image quality.		<pri7,formatted,myhost,opr>
2219666	The desired volume would appear larger than the screen. Deselect FOV, select Magnify, and decrease the image size.		<pri6,formatted,myhost,opr>
2219667	The minimum FOV for this configuration is %d mm.		<log,myhost,opr>
2219668	Please restart the prescription after the TPS reset has completed.		<log,myhost,opr>
2219669	No Operations can be performed in the View protocol mode.		<log,myhost,opr>
2219670	Choose an action button, and then a protocol. Default action on selection of an existing protocol is View, while that on selection of a blank line is C		<log,myhost,opr>
2219671	Choose an action button, and then a protocol summary line. Default action on selection of a scan summary is Edit Scan.		<pri6,formatted,myhost,opr>
2219672	Cannot copy a protocol to itself. Please select an empty location to complete the copy function.		<log,myhost,opr>
2219673	This Psd does not use the Scanning Range Screen; please use a non-oblique scan plane.		<log,myhost,opr>
2219674	Selective Erase is not valid for 3D Multi-Slab prescriptions.		<log,myhost,opr>
2219675	Please select a scan in the protocol to be loaded in the prescription, or touch the Backup button to retain the current selection.		<pri6,formatted,myhost,opr>
2219676	Please select a protocol to be executed, or touch the Backup button to retain the current selection.		<log,myhost,opr>
2219677	Invalid protocol number %s is specified. The valid protocol numbers are between 1 and %d.		<log,myhost,opr>
2219678	There is no protocol at protocol number %s.		<log,myhost,opr>
2219679	There is no config file %s in %s directory.		<log,myhost,opr>
2219680	Cannot enter patient id as %s without a service key.		<log,myhost,opr>
2219681	Please select a list/select line, where you want the protocol to be created.		<log,myhost,opr>
2219682	Please select a list/select line, indicating the protocol to be copied.		<log,myhost,opr>
2219683	Please select a list/select line, indicating the place where the protocol is to be copied.		<log,myhost,opr>
2219684	Scan Locations will fall back to %s.		<log,myhost,opr>
2219685	Please enter a value greater than 1 for phases.		<log,myhost,opr>
2219686	Can not select both POMP and Flow Comp with 2D and Spin Echo.		<log,myhost,opr>
2219687	The protocol has incompatible Revision Number %d, instead of the current Revision number %d.		<log,myhost,opr>
2219688	Please select Effective TR, Trigger Delay, Trigger Window and Inter-Seq Delay Soft Keys before selecting Multi Cardiac Phases.		<log,formatted,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2219689	The value of the receive bandwidth changed from %.2f to %.2f.		<log,myhost,opr>
2219690	Please select a list/select line, indicating the protocol to be Deleted.		<log,myhost,opr>
2219691	Please select a list/select line, indicating the protocol to be Viewed.		<log,myhost,opr>
2219692	Please select a list/select line, indicating the protocol to be Edited or Viewed.		<log,myhost,opr>
2219693	The protocol name in protocol file %s, is different from one in the config file %s.		<log,svr,myhost>
2219694	The protocol number in protocol file is %d, while the number in the config file is %d.		<log,svr,myhost>
2219695	No response for BPM. Please try again.		<log,myhost,opr>
2219696	No response for ATW. Please try again.		<log,myhost,opr>
2219697	No response for Lead. Please try again.		<log,myhost,opr>
2219698	Select System Disk in Display Modes to continue.		<log,myhost,opr>
2219699	Concat SAT was deselected because the SAT band was not parallel to the scan plane.		<log,myhost,opr>
2219700	Can not communicate with the Psd %s. Please do another prescription.		<log,svr,myhost>
2219701	Internal Software Error, invalid params, please do another prescription.		<log,prg,myhost>
2219702	Internal Software Error, Display could not paint image, please do another prescription.		<log,prg,myhost>
2219703	Internal Software Error, Scan/Display not connected, please do another prescription.		<log,prg,myhost>
2219704	Cursor is not restricted correctly, please do another prescription.		<log,myhost,opr>
2219705	SAR Monitoring is required and will be performed for this pulse sequence.		<log,myhost,opr>
2219706	There is no Primary Archive Node specified in the Suite config file.		<log,svr,myhost>
2219707	Please confirm deletion of protocol: %s.		<opr,myhost,log>
2219708	Do you want to overwrite protocol: %s ?		<opr,myhost,log>
2219709	Copy Protocol %s to Protocol:		<opr,myhost,log>
2219710	Do you want to delete Series %d ?		<opr,myhost,log>
2219711	Do you want to delete Series %d Scan %d ?		<opr,myhost,log>
2219712	The executable download of psd to the ipg failed. %s.		<log,myhost,opr>
2219713	Graphic Rx is allowed only with 2D or 3D imaging modes.		<log,myhost,opr>
2219714	Please select a scan/series description row, on which the selected operation is to be performed.		<log,myhost,opr>
2219715	This is an invalid combination of Imaging Mode, Pulse Sequence and Imaging Options selected.		<log,myhost,opr>
2219716	The selection has been discarded.		<log,myhost,opr>
2219717	The Landmark Request packet failed to reach the IPG.		<prg,myhost,log>
2219718	This suite is not configured with an archive node with name %s. Successful archiving across a network will depend on network configuration.		<pri7,formatted,myhost,opr>
2219719	Protocol %s is currently in use. A different protocol, named %s, was used in the previous prescription.		<pri6,formatted,myhost,opr>
2219720	FOV cannot be changed after a volume has been prescribed.		<log,myhost,opr>
2219721	The value of the frequency encodings changed from %d to %d (the nearest valid value).		<log,myhost,opr>
2219722	The value of the phase encodings changed from %d to %d (the nearest valid value).		<log,myhost,opr>
2219723	ROI Graphic is not allowed with this imaging mode.		<log,myhost,opr>
2219724	The Explicit Scanning Range screen is not allowed with this imaging mode.		<log,myhost,opr>
2219725	The fse or 3dfse PSD cannot be started without the Fast Spin Echo & FLAIR Option Key.		<log,myhost,opr>
2219726	The fgre PSD cannot be started without FGRE Option Key.		<log,myhost,opr>
2219727	Internal Software Error. An invalid value for pite cvs was used.		<prg,myhost,log>
2219728	An ROI must be prescribed before proceeding from the SR Screen.		<log,myhost,opr>
2219729	An error occurred reading the %s config file at or immediately above line %d.		<log,prg,myhost>
2219730	Patient Weight is required.		<log,myhost,opr>
2219731	An explicit Trigger Window is required to enable Multi Phase.		<log,myhost,opr>
2219732	Graphic ROI and Graphic Rx imaging options turned off. Neither Graphic ROI nor Graphic Rx are allowed as imaging options on a new exam.		<pri6,formatted,myhost,opr>
2219733	Of %s imaging options selected, only %s imaging options are valid.		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2219734	The fgre3d PSD cannot be started without the FAST SPGR Option Key.		<log,myhost,opr>
2219735	Research PSDs cannot be started in Clinical mode.		<log,myhost,opr>
2219736	Enter series description for series %d :		<log,myhost,opr>
2219737	Because you selected the Classic imaging option, you have to select Autoshim.		<log,myhost,opr>
2219738	Freq Slice		<log,myhost,opr>
2219739	seq		<fixedformat,myhost,log,opr>
2219740	int		<fixedformat,myhost,log,opr>
2219741	R/L Flow		<fixedformat,myhost,log,opr>
2219742	A/P Flow		<fixedformat,myhost,log,opr>
2219743	S/I Flow		<fixedformat,myhost,log,opr>
2219744	Mag		<fixedformat,myhost,log,opr>
2219745	O R/L Flow		<fixedformat,myhost,log,opr>
2219746	O A/P Flow		<fixedformat,myhost,log,opr>
2219747	O S/I Flow		<fixedformat,myhost,log,opr>
2219748	O Mag		<fixedformat,myhost,log,opr>
2219749	R		<fixedformat,myhost,log,opr>
2219750	A		<fixedformat,myhost,log,opr>
2219751	S		<fixedformat,myhost,log,opr>
2219752	Mag		<fixedformat,myhost,log,opr>
2219753	OR		<fixedformat,myhost,log,opr>
2219754	OA		<fixedformat,myhost,log,opr>
2219755	OS		<fixedformat,myhost,log,opr>
2219756	OMag		<fixedformat,myhost,log,opr>
2219757	Multi		<fixedformat,myhost,log,opr>
2219758	Single		<fixedformat,myhost,log,opr>
2219759	The gating packet was unexpected		<log,prg,myhost>
2219760	The flow axis direction is changed to default selection.		<log,myhost,opr>
2219761	You have turned on Chem SAT, but not activated Autoshim.		<log,myhost,opr>
2219762	You must turn on Autoshim in order to scan with Chem SAT.		<log,myhost,opr>
2219763	The File number, %d, is out of range. Valid file numbers are 1-44.		<log,myhost,opr>
2219764	Failed to read the patient file %s. Probably it is corrupted, and needs to be deleted.		<log,prg,myhost>
2219765	Failed to open the directory containing the patient files, %s. Verify that a valid directory has been defined in the scan.cfg file.		<log,myhost,opr>
2219766	The given patient file, %d, cannot be found in the system.		<log,myhost,opr>
2219767	There is no patient at the selection. Please make another selection.		<log,myhost,opr>
2219768	The Locations per Slab button can not be deselected after slabs have been prescribed.		<log,myhost,opr>
2219769	Slabs must by prescribed before proceeding forward from the Scanning Range Screen.		<log,myhost,opr>
2219770	The Overlap Locations button can not be deselected after slabs have been prescribed.		<log,myhost,opr>
2219771	The ramp pulse selection has been changed because this is a new scan plane.		<log,myhost,opr>
2219772	Reduce slices per location or number of slabs prescribed. The total number (currently %d) must be less than 256.		<log,myhost,opr>
2219773	Autoshim turned off due to use of a multicoil.		<log,myhost,opr>
2219774	Autoshim turned on due to the CLASSIC imaging option being selected.		<log,myhost,opr>
2219775	A Change has been made to Patient Position, Patient Entry, and/or Coil. Please verify this selection and continue.		<log,myhost,opr>
2219776	Internal Software Error in read protocol interpreter.		<log,prg,myhost>
2219777	The protocol category in protocol file %s, is different from one in the config file %s.		<log,srv,myhost>
2219778	The parameter %s is invalid. The valid range is from %d to %d.		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2219779	The parameter %s is invalid. The valid range is from %.1f to %.1f.		<log,myhost,opr>
2219780	Gradient Config File , 'GradientConfig.cfg', was not found.		<log,svr,myhost>
2219781	The protocol file name '%s' is invalid.		<log,svr,myhost>
2219782	The memory buffer for scan descriptor key is smaller than data in the key %d.		<log,myhost,opr>
2219783	Invalid protocol number %s entered. Please enter 'h(ead)/n(eck)/c(hest)/u(pper)/a(bdomen)/p(elvic)/l(ower)/o(ther).protocolno.seriesno'		<log,myhost,opr>
2219784	The protocol type %s is invalid. Please enter g(e)/si(te)/se(rvice).		<log,myhost,opr>
2219785	The protocol category %s is invalid. Please enter h(ead)/n(eck)/c(hest)/u(pper)/a(bdomen)/p(elvic)/l(ower)/o(ther).		<log,myhost,opr>
2219786	The protocol name %s is invalid. Please enter a valid protocol name or number(%d to %d).		<log,myhost,opr>
2219787	The protocol series number %s is invalid. The valid entries are %d to %d.		<log,myhost,opr>
2219788	Internal software error in protocol filename %s. It should be %s.		<log,myhost,opr>
2219789	Please fill in the %s field before continuing.		<log,myhost,opr>
2219790	The patient ID %s is existing. Please enter unique patient ID.		<log,myhost,opr>
2219791	The schedule time %s is invalid. Please enter in the format MM/DD/YY, HH:MM.		<log,myhost,opr>
2219792	The schedule time %s is invalid. Please enter in the format YY/MM/DD, HH:MM.		<log,myhost,opr>
2219793	There is not the protocol. (Type:%s, Category:%s)		<log,myhost,opr>
2219794	The Freq DIR selection %s is invalid. Freq DIR must be entered as '%s' or '%s'.		<log,myhost,opr>
2219795	A patient protocol file already exists. Please change patient ID or time scheduled.		<log,myhost,opr>
2219796	The protocol number %s is invalid.		<log,myhost,opr>
2219797	Attention: Possible patient peripheral nerve stimulation.		<log,myhost,opr>
2219798	Valid STL range is 1 to %d.		<log,myhost,opr>
2219799	Do you accept responsibility for operation up to %.1f Tesla/sec?		<log,myhost,opr>
2219800	Do you accept responsibility for operation up to %d%% of the peripheral nerve stimulation threshold limit?		<log,myhost,opr>
2219801	dB/dt Limit : %.1f Tesla/sec		<log,myhost,opr>
2219802	dB/dt Limit : %d%%		<log,myhost,opr>
2219803	Could not register the object \theFreewheel\" with Mr Mail."		<prg,myhost,log>
2219804	The patient protocol was not created, due to an internal software error.		<log,myhost,opr>
2219805	The patient protocol could not be edited, due to an internal software error.		<log,myhost,opr>
2219806	The patient protocol could not be pasted, due to an internal software error.		<log,myhost,opr>
2219807	An internal software error occurred when deleting the patient protocol. The patient protocol was not deleted.		<log,myhost,opr>
2219808	An internal software error occurred when creating the protocol. The protocol was not created.		<log,myhost,opr>
2219809	An internal software error occurred when editing the protocol. The protocol was not edited.		<log,myhost,opr>
2219810	An internal software error occurred when pasting the protocol. The protocol was not pasted.		<log,myhost,opr>
2219811	An internal software error occurred when deleting the protocol. The protocol was not deleted.		<log,myhost,opr>
2219812	The protocol number %d is invalid.		<log,myhost,opr>
2219813	No patient selected, please select the patient from the list or press New Pt.		<log,myhost,opr>
2219814	The coil code %d could not be found in config file.		<log,myhost,opr>
2219815	Fat		<opr,myhost,log>
2219816	Water		<opr,myhost,log>
2219817	Collapse		<opr,myhost,log>
2219818	Weight(Lb) :		<fixedformat,myhost,log,opr>
2219819	Weight(Kg) :		<fixedformat,myhost,log,opr>
2219820	AShim		<opr,myhost,log>
2219821	PhCor		<opr,myhost,log>
2219822	Interleave		<fixedformat,myhost,log,opr>
2219823	Inter- leave		<fixedformat,myhost,log,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2219824	ATW		<opr,myhost,log>
2219825	Auto Trg Window		<fixedformat,myhost,log,opr>
2219826	Inv. Time TI		<fixedformat,myhost,log,opr>
2219827	Prep Time TI		<fixedformat,myhost,log,opr>
2219828	ECG Lead		<opr,myhost,log>
2219829	Auto Lead		<opr,myhost,log>
2219830	PG		<fixedformat,myhost,log,opr>
2219831	Could not register the object \theCoil Code\ with Mr Mail."		<prg,myhost,log>
2219832	Can not recognize the connected coil. Please check the connected coil.		<log,myhost,opr>
2219833	The prescribed coil (%s) does not match the connected coil (%s). Please reconfigure the system to match the coils.		<log,myhost,opr>
2219834	Attention: The patient ID already exists.		<log,myhost,opr>
2219835	%s is selective phased array coil. Please select the coil mode.		<log,myhost,opr>
2219836	%s are needed to start graphic Rx. Please enter the parameter(s).		<log,myhost,opr>
2219837	Can not POMP scan with GRx.		<log,myhost,opr>
2219838	Can not GRx with POMP scan.		<log,myhost,opr>
2219839	The current prescription cannot be edited, as it is either currently downloaded onto the scanner or is already scanned.		<opr,myhost,log>
2219840	Please enter C/F/M/P for Auto Center Frequency.		<opr,myhost,log>
2219841	Please enter Freq/Slice for Flow Comp Direction.		<opr,myhost,log>
2219842	Invalid entry %s entered for anatomic reference.		<log,myhost,opr>
2219843	Invalid entry %s entered for patient position.		<log,myhost,opr>
2219844	Invalid entry %s entered for patient entry.		<log,myhost,opr>
2219845	Invalid entry %s entered for scan plane.		<log,myhost,opr>
2219846	Invalid entry %s entered for imaging mode.		<log,myhost,opr>
2219847	Invalid entry %s entered for pulse sequence.		<log,myhost,opr>
2219848	Incorrect date format. Please use the following format: yyyy/mm/dd.		<log,myhost,opr>
2219849	Incorrect date format. Please use the following format: mm/dd/yyyy.		<log,myhost,opr>
2219850	Invalid YEAR specified. The valid range is %d through %d.		<log,myhost,opr>
2219851	Invalid MONTH specified. The valid range is 1 through 12.		<log,myhost,opr>
2219852	Invalid DAY specified. The valid range, given the month specified, is 1 through %d.		<log,myhost,opr>
2219853	Minimum full		<fixedformat,myhost,log,opr>
2219854	Minimum		<fixedformat,myhost,log,opr>
2219855	Invalid Entry in the TR Field.		<fixedformat,myhost,log,opr>
2219856	No target ROI pointer found at %s.		<log,prg,myhost>
2219857	The pointer to graphic data structure is NULL.		<log,prg,myhost>
2219858	No eye catcher found in the graphic data structure.		<log,prg,myhost>
2219859	Graphic Rx is not allowed with protocol.		<log,prg,myhost>
2219860	Failed to create new ROI at %s.		<log,prg,myhost>
2219861	Failed to change the existing ROI at %s.		<log,prg,myhost>
2219862	Failed to destroy the existing ROI at %s.		<log,prg,myhost>
2219863	Failed to call <%s> function of sub process at %s.		<log,prg,myhost>
2219864	An internal error occurred in List/Select function at %s (%d).		<log,prg,myhost>
2219865	Failed to change a SAT band ROI center.		<log,prg,myhost>
2219866	Failed to change a SAT band ROI thickness.		<log,prg,myhost>
2219867	Sequence error at %s.		<log,prg,myhost>
2219868	The phase contrast vascular PSD cannot be started without the PC VASCULAR Option Key.		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2219869	The cine mode cannot be selected without the CINE Option Key.		<log,myhost,opr>
2219870	Trigger delay entered is out of range; The valid range is %d (msec) ~.		<pri6,myhost,opr>
2219871	Increase the Inter-Seq. Delay to %d (msec).		<pri6,myhost,opr>
2219872	Unrecognized Field Strength in MR config file: %d		<pri7,log,svr,myhost>
2219873	xResp		<fixedformat,myhost,log,opr>
2219874	Attention: The system's recommended respiratory rate will produce the best image quality. Other respiratory rates can result in poor image quality		<pri7,fixedformat,myhost,opr>
2219875	Resp. Trig. still initializing or no valid input available. Please see messages area.		<log,myhost,opr>
2219876	The number of locations/acquisition was changed to %d from %d by pulse sequence.		<opr,myhost,log>
2219877	The vascular time of flight PSDs cannot be started without the General TOF Option Key.		<log,myhost,opr>
2219878	Invalid entry %s entered for imaging options.		<log,myhost,opr>
2219879	An internal software error occurred while opening system log files for a new exam.		<log,myhost,opr>
2219880	The spectro PSD cannot be started without the Spectro Option Key.		<log,myhost,opr>
2219881	Invalid entry %s entered for %s.		<pri6,myhost,opr>
2219882	GRx will be lost. Please prescribe GRx again.		<pri6,myhost,opr>
2219883	Invalid protocol name. Please do not use '/' character.		<pri6,myhost,opr>
2219884	The protocol has incompatible magnet field strength %d, instead of the current magnet field strength %d.		<pri7,myhost,opr>
2219885	Receive bandwidth is out of %.2f - %.2f range.		<log,myhost,opr>
2219886	Invalid landmark - landmarking requires a valid patient ID and must be performed prior to Prepare to Scan.		<log,myhost,opr>
2219887	The number of characters in a protocol name cannot exceed %d.		<log,myhost,opr>
2219888	Maximum permissible number (%d) protocols have been loaded.		<pri6,myhost,opr>
2219889	Please respond to the advisory message, otherwise sat bands will not be effective.		<log,myhost,opr>
2219890	Please enter valid integer value only for the %s entry.		<log,myhost,opr>
2219891	The selected category already has the maximum permissible number (%d) or more protocols.\nDelete some of them before saving this or save it		<log,myhost,opr>
2219892	The selected category already has the maximum permissible number (%d) or more protocols.\nDelete some of them, and then copy and paste the		<log,myhost,opr>
2219893	PSD has returned a Cv index (%d), which is not in the Scan Advisory Error Table.		<log,prg,myhost>
2219894	The Advisory Error fix for %s did not work with value %s		<log,prg,myhost>
2219895	You hit Cancel. Please reset your Imaging Options to start a new PSD		<log,myhost,opr>
2219896	WARNING: This Freq DIR may cause Peripheral Nerve Stimulation. Change to avoid.		<pri6,myhost,opr>
2219897	Advisory Panel Error. Please respond to popup.		<log,myhost,opr>
2219898	Invalid entry %s. Please make a selection from the parameter's pulldown menu.		<log,myhost,opr>
2219899	Scan Locations must be entered before Selecting Multi Phase		<opr,myhost,log>
2219900	Internal Software Error. Please Run setupProtocols.		<log,prg,myhost>
2219901	Internal Software Error. Failure in Protocol Cut. Please run setupProtocols.		<log,myhost,opr>
2219902	The selected category %s already has the maximum permissible number (%d). Cannot add a new one. Delete some of them and try again.		<log,myhost,opr>
2219903	The protocol does not exist for the key %s.		<log,myhost,opr>
2219904	setupProtocols failed. Config files for protocols are not updated properly. Please Check error log.		<log,myhost,opr>
2219905	Default values of %s are needed to start Tracker Rx.		<log,myhost,opr>
2219906	%s HIS/RIS error.\nSource File: %s, Line: %d, Status: %d\n%s		<log,prg,myhost>
2219907	Can not save the series with out Tracker Prescription, select Tracker Button on Graphic Rx		<log,myhost,opr>
2219908	Data Management : OC Processing		<log,prg,myhost>
2219909	SSFSE cannot be started without the SSFSE Option Key.		<log,myhost,opr>
2219910	DWEPI cannot be started without the DW EPI Option Key.		<log,myhost,opr>
2219911	FLAIR-EPI cannot be started without the FLAIR EPI Option Key.		<log,myhost,opr>
2219912	Localizer cannot be started without the Three Plane Localizer Option Key.		<log,myhost,opr>
2219913	Maximum Slices/Plane can not exceed %d		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2219914	Only odd numbers valid for #Slices/Plane		<log,myhost,opr>
2219915	The schedule time %s is invalid. Please enter in the format DD/MM/YY, HH:MM.		<log,myhost,opr>
2219916	Incorrect date format. Please use the following format: dd/mm/yyyy.		<log,myhost,opr>
2219917	The Fov Center should be between %s and %s		<log,myhost,opr>
2219918	Start and End Locations cannot be same for 3D Orthogonal prescriptions		<log,myhost,opr>
2219919	Invalid protocol %s entered. Please enter 'h(ead)/n(eck)/c(hest)/u(pper)/a(bdomen)/p(elvic)/l(ower)/o(ther).protocolno.seriesno.subseriesno.S(tar		<log,myhost,opr>
2219920	The protocol subseries number %s is invalid. The valid entries are %d to %d.		<log,myhost,opr>
2219921	The protocol Scan option %s is invalid. The valid entries are S(andard)/F(aster)/H(High Resoultion).		<log,myhost,opr>
2219922	No Valid Sub Series present for %s series .		<log,myhost,opr>
2219923	No Valid Series present for %s protocol .		<log,myhost,opr>
2219924	Image not available for current selection.		<log,myhost,opr>
2219925	Error in opening picture_this.out file		<log,myhost,opr>
2219926	Internal Software Error.\nConfig file %s not found.		<pri3,log,myhost,opr>
2219927	Internal Software Error.\nKey %s not found in the config file %s.		<pri3,log,myhost,opr>
2219928	Using Graphic Rx will erase existing explicit Co-ordinates.		<log,myhost,opr>
2219929	Number of Slabs should not be greater than 1		<log,myhost,opr>
2219930	Problem communicating with database. Please try again		<log,myhost,opr>
2219931	A Change has been made to Table Entry. Please verify compatibility between your choice and the physical Table Entry.		<log,myhost,opr>
2219932	There are two coils connected. Please disconnect one of the coils and proceed.		<log,myhost,opr>
2219933	Warning : Prescribed and connected coils do not match		<log,myhost,opr>
2219934	Head Coil Scanning is Prohibited		<log,myhost,opr>
2219935	Image Quality will be degraded if Scanning is performed		<log,myhost,opr>
2219936	Magnetic strength of the connected coil and the scanner do not match		<log,myhost,opr>
2219937	Alarm1 is ON on channel[%d]		<log,myhost,opr>
2219938	Alarm2 is ON on channel[%d]. Scan is locked		<log,myhost,opr>
2219939	PPS :: PPS feature will not work, NULL Ptr detected		<log,opr,myhost>
2219940	PPS :: Action Item : %s not Mapped, Please Configure		<log,opr,myhost>
2219941	Internal Software Error, NULL Ptr detected		<log,opr,myhost>
2219942	PPS :: Cannot update HISR/RIS Local Database		<log,opr,myhost>
2219943	PPS :: Send of PPS SOP Attributes for %s Event failed		<log,opr,myhost>
2219944	PPS :: MrMail Error:%s		<log,myhost,opr>
2219945	PPS :: Failure to execute event: %s event in PPSproxy process for Exam: %d		<log,opr,myhost>
2219946	PPS :: PPS Event (%s) not allowed after PPS Event (%s)		<log,myhost,opr>
2219947	PPS :: Event:%s is missing Type 1 Attribute:%s		<log,myhost,opr>
2219948	PPS :: Event:%s is missing Type 1 Sequence:%s		<log,myhost,opr>
2219949	PPS :: Unable to Add PPS unique TAG to Bone List for Exam: %d		<log,myhost,opr>
2219950	PPS :: PPS start time is not present		<log,myhost,opr>
2219951	PPS :: SPS Id1 is not present		<log,myhost,opr>
2219952	PPS :: Requested Procedure is not present		<log,myhost,opr>
2219953	PPS :: PPS Id is not present		<log,myhost,opr>
2219954	PPS :: PPS description is not present		<log,myhost,opr>
2219955	PPS :: PPS Start date is not present		<log,myhost,opr>
2219956	PPS :: Reference SOP class UID is not present		<log,myhost,opr>
2219957	PPS :: Reference SOP Instance UID is not present		<log,myhost,opr>
2219958	PPS :: Schedule Procedure Step description is not present		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2219959	PPS :: Protocol is not present		<log,myhost,opr>
2219960	Invalid character '%c' entered.		<log,myhost,opr>
2219961	Use of Contrast with this Pulse Sequence is not recommended		<opr,myhost,log>
2219962	* is not supported for query		<log,myhost,opr>
2219963	PPS :: DIMSE Population Error : Status - %d		<log,myhost,opr>
2219964	This Protocol does not have High Res/Fast Option		<opr,myhost,log>
2219965	PPS :: MrMail Error:%s		<log,myhost,opr>
2219966	Cold Head Switching DISABLED. Cold Head ON. Image quality maybe degraded		<log,myhost,opr>
2219967	Unable to Save Series: Prescribed and connected coils do not match. Please check coil selection.		<log,myhost,opr>
2219968	The coil name %s could not be found in the configuration file. Please contact your service representative.		<log,myhost,opr>
2219969	The coil code %s could not be found in config file. Please contact your Service Representative.		<log,myhost,opr>
2219970	A Change has been made to Patient Position, Patient Entry. Please verify this selection and continue.		<log,myhost,opr>
2219971	Error in initializing TCUs. Could not initialize TCUs		<log,myhost,opr>
2219972	Cold Head switching ENABLED. Cold Head OFF		<log,myhost,opr>
2219973	Communication with SHem failed		<log,myhost,opr>
2219974	Channel [%d] is OK		<log,myhost,opr>
2219975	Please fill in Table Entry field before continuing. Press the Landmark button to access the Table entry field		<log,myhost,opr>
2219976	SCIC is not supported for %s coil. SCIC has been disabled.		<opr,myhost,log>
2219977	Missing SCIC parameter for Coil %s		<log,myhost,opr>
2220200	The image buffer is full. The scanner has been paused.		<myhost,log,opr>
2220201	The maximum number of images scanned in this series has been reached. The scanner has been stopped.		<myhost,log,opr>
2220202	Acquire failed to set the Descriptor.		<myhost,log,prg>
2220203	Geometry Operation Failed. Scanning Slice Not Found.		<myhost,log,prg>
2220204	The zoom operation Failed.		<myhost,log,opr>
2220205	Failed to generate Axial prescription.		<myhost,log,opr>
2220206	Failed to generate Sagittal prescription.		<myhost,log,opr>
2220207	Failed to generate Coronal prescription.		<myhost,log,opr>
2220208	The selected tool is not appropriate.		<myhost,log,opr>
2220209	The selected tool is not appropriate.		<myhost,log,opr>
2220210	The rotation increment entered is too small. Enter a value from 1 to 359 degrees.		<myhost,log,opr>
2220211	The rotation increment entered is too large. Enter a value from 1 to 359 degrees.		<myhost,log,opr>
2220212	The translation increment entered is too small. Enter a value from 1 to 999 mm.		<myhost,log,opr>
2220213	The translation increment entered is too large. Enter a value from 1 to 999 mm.		<myhost,log,opr>
2220214	Scanning Slice Rotate Operation Failed.		<myhost,log,opr>
2220215	Scanning Slice Translate Operation Failed.		<myhost,log,opr>
2220216	The scanning location has moved out of the useful range of the installed coil.		<myhost,log,opr>
2220217	The selected tool is not appropriate.		<myhost,log,opr>
2220218	The selected tool is not appropriate.		<myhost,log,opr>
2220219	2 Point Tool operation Failed.		<myhost,log,opr>
2220220	3 Point Tool operation Failed.		<myhost,log,opr>
2220221	Illegal Point tool selected.		<myhost,log,opr>
2220222	Points 1 and 2 have been deposited at the same location. Select different locations.		<myhost,log,opr>
2220223	The deposited point 1 is not a valid point to create 2 point or 3 point prescription.		<myhost,log,opr>
2220224	The deposited point 2 is not a valid point to create 2 point or 3 point prescription.		<myhost,log,opr>
2220225	The deposited point 3 is not a valid point to create 3 point prescription.		<myhost,log,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2220226	RIR failed to start pulling images.		<myhost,log,prg>
2220227	TPS failed to pause the scanner.		<myhost,log,prg>
2220228	RIR failed to start its operation		<myhost,log,prg>
2220229	TPS failed to resume scanner.		<myhost,log,prg>
2220230	TPS failed to stop the scanner		<myhost,log,prg>
2220231	TPS failed to initialize RTIA data		<myhost,log,prg>
2220232	The scanner has been paused due to system inactivity.		<myhost,log,opr>
2220233	The scanner has been paused.		<myhost,log,opr>
2220234	Real time scanning is in progress.		<myhost,log,opr>
2220235	The scanner has been stopped.		<myhost,log,opr>
2220236	Localizers Images are being acquired. Wait for a moment.		<myhost,log,opr>
2220300	Bookmarks cannot be recalled while the scanner is paused. Resume scanning to recall a bookmark.		<myhost,log,opr>
2220301	Cannot recall an undefined bookmark. Select a defined bookmark to recall.		<myhost,log,opr>
2220302	Recall of a bookmark has failed. Try again in a moment.		<myhost,log,opr>
2220350	Not able to leave Review due to Review operations in progress. Wait for the operations to complete or cancel them to leave Review.		<myhost,log,opr>
2220351	Acquire has been disabled. Select Close.		<myhost,log,opr>
2220352	Not able to leave Acquire due to Acquire operations in progress. Wait for the operations to complete or cancel them to leave Acquire.		<myhost,log,opr>
2220353	Not able to close due to operations in progress. Wait for operations to complete.		<myhost,log,opr>
2220354	Unknown rtiaMode value		<myhost,log,prg>
2220355	Illegal state to get wakeup from Scan		<myhost,log,prg>
2220356	Illegal scanner state		<myhost,log,prg>
2220400	The number of images to average is out of range. Enter a value from 1 to 8.		<myhost,log,opr>
2220401	The scanner could not undo an operation.		<myhost,log,opr>
2220402	The scanner could not redo an operation.		<myhost,log,opr>
2221131	TPS XCVR DRIVER - INTERNAL SOFTWARE ERROR \n\ timed out waiting for SSP unlock packet to set \ transmit attenuation, receive gain, and barrel shift.		<myhost,prg,log>
2221132	TPS XCVR DRIVER - INTERNAL SOFTWARE ERROR \n\ timeout waiting for SSP unlock packet before setting filter select.		<myhost,prg,log>
2221133	TPS XCVR DIAGNOSTICS - INTERNAL SOFTWARE ERROR \n\ invalid cluster numbr in control word.\n\ N/A: %04xH%04xH control word: %08xH		<myhost,prg,log>
2221134	The Exciter board is not present, according to the TPS software. Check if the b\n\ board is present and properly seated.		<myhost,svr,log>
2221135	TPS EXCITER DRIVERS - INTERNAL SOFTWARE ERROR\n\ Invalid center frequency selected.\n\ Center frequency: %d Hz		<myhost,prg,log>
2221136	TPS EXCITER DRIVERS - INTERNAL SOFTWARE ERROR\n\ Invalid Slice Frequency selected.\n\ slice frequency: %d Hz		<myhost,prg,log>
2221137	TPS EXCITER DRIVERS - INTERNAL SOFTWARE ERROR\n\ Invalid coarse/fine transmit attenuation selected.\n\ attenuation: %d		<myhost,prg,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2221138	TPS EXCITER DRIVERS - INTERNAL SOFTWARE/CONFIGURATION ERROR\n Attempted to select broadband when hardware status \n indicates broadband module local oscillator not present.\n Status Register Address: %08xH Register Contents: %02xH		<myhost,prg,log>
2221139	TPS EXCITER UNBLANK TEST FAILURE -\n Attenuation with unblank enabled is below specifications.\n Note: attenuation values are given in 1/100th dB.\n minimum attenuation: %d actual: %d\n NOTE: Receiver %02d used in this test.		<myhost,svr,log>
2221140	TPS EXCITER DRIVERS - INTERNAL SOFTWARE ERROR \n Invalid coarse tune frequency specified: %d Hz		<myhost,prg,log>
2221141	TPS EXCITER REGISTER TEST FAILURE -\n Value read back does not match value written.\n address of register: %08xH\n expected: %02xH actual: %02xH		<myhost,svr,log>
2221142	TPS EXCITER LO1/LO2 (LO3/LO4) TEST FAILED\n Check Narrowband module, power supply and fuses, and other \n connections. NOTE: RF connection in receiver could cause \n problem, run test with front panel connector unplugged.\n expected status: %xH actual: %xH		<myhost,svr,log>
2221143	TPS EXCITER LO3/LO4 TEST FAILURE -\n Check Broadband module, power supply and fuses, and other \n RF module connections.\n expected status: %02xH actual status: %02xH		<myhost,svr,log>
2221144	TPS EXCITER OUTPUT TEST FAILURE -\n Disabling Exciter Unblank does not turn off the TONE PRESENT \n indicator. Check Narrowband module and connections.\n Expected status register contents: %02xH actual: %02xH		<myhost,svr,log>
2221145	TPS EXCITER OUTPUT TEST FAILURE -\n Setting Attenuator to maximum does not turn off TONE. \n Check Narrowband module and connections.\n Attenuator - Coarse [0]/Fine [1]:%08d\n Expected Status reg contents: %02xH actual: %02xH		<myhost,svr,log>
2221146	TPS EXCITER DIAGNOSTICS - CANNOT GENERATE TONE PRESENT\n Check Narrowband module, power supplies and connections.\n Expected Status register contents: %02xH actual: %02xH		<myhost,svr,log>
2221147	TPS EXCITER ATTEN (ATTENUATOR) TEST FAILURE -\n Cannot turn off Tone Present Indicator with attenuation.\n Expected Status register contents: %02xH actual: %02xH		<myhost,svr,log>
2221148	TPS EXCITER UNBLANK TEST -\n Failed to blank RF Modulator. Check Narrowband module, \n power supplies and connections.\n Expected Status register contents: %02xH actual: %02xH		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2221149	TPS EXCITER SYNTH (SYNTHESIZER) TEST\n\ Synthesizer Look-Up-Table Test failure\n\ exciter address: %08xH table entry position: %08xH\n\ expected output: %08xH actual output: %08xH		<myhost,svr,log>
2221150	TPS EXCITER SYNTH (SYNTHESIZER) TEST\n\ Synthesizer Cancellation test failure\n\ loop count: %08xH expected output: %08xH\n\ actual output: %08xH		<myhost,svr,log>
2221151	TPS EXCITER SYNTH (SYNTHESIZER) TEST\n\ Synthesizer Pattern Test Failure\n\ input pattern: %08xH expected output: %08xH\n\ actual output: %08xH		<myhost,svr,log>
2221152	TPS EXCITER OUTPUT TEST FAILURE -\n\ Setting RHO to 60% of maximum does not turn off the TONE \ PRESENT indicator. Check Narrowband module and connections.\n\ Expected Status register contents: %02xH actual: %02xH		<myhost,svr,log>
2221153	TPS TRANSCEIVER DRIVERS - INTERNAL SOFTWARE ERROR -\n\ Attempt (by software) to enable SSP Asynchronous mode.\n\ This mode is no longer supported by hardware.		<myhost,prg,log>
2221154	TPS EXCITER DRIVERS - INTERNAL SOFTWARE ERROR -\n\ Attempt to call an exciter SSP function...\n\ SSP drive mode is no longer supported by hardware!		<myhost,prg,log>
2221155	TPS TRANSCEIVER DRIVERS - FAILED TO GENERATE RF SIGNAL -\n\ Signal strength at receiver A/D input (with exciter at \ full scale output) is below minimum. Check the RF loopback \ signal path.\n\ Receiver: %2d Minimum: %d Actual: %d		<myhost,svr,log>
2221156	TPS EXCITER DIAGNOSTICS - CONFIGURATION FILE STAGING MESSAGE \n\ Cannot run diagnostics when hardware is emulated.\n\ Check the /w/config/tardis_stage file for exciter emulation status.		<myhost,prg,log>
2221157	TPS Receiver driver error message : an invalid receiver board has been \ selected or the selected board is not present or properly seated.\n\ board number: %d		<myhost,svr,log>
2221158	TPS RECEIVER DRIVER - INTERNAL SOFTWARE ERROR\n\ Digital Signal Processor firmware loader error: \n\ Invalid processor specified to load code to.\n\ Receiver base address: %08xH		<myhost,prg,log>
2221159	TPS SOFTWARE ERROR - The TPS Receiver driver function rx_sel_coil was called\n\ with an invalid coil selection. Valid values are 0 (Test), 1 (Head), 2 (Aux),\n\ or 3 (Body). The calling software must be corrected.\n\ Rcvr bd number : %d\n\ Invalid coil value : %d		<myhost,prg,log>
2221160	TPS RECEIVER DRIVER - INTERNAL SOFTWARE ERROR\n\ Invalid Filter or filter file selected.\n\ selected: %04d		<myhost,prg,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2221161	TPS RECEIVER DRIVER - INTERNAL SOFTWARE ERROR\n Invalid Barrel Shift specified.\n board number: %d desired shift: %d		<myhost,prg,log>
2221162	TPS RECEIVER DRIVER - INTERNAL SOFTWARE ERROR\n Invalid gain value specified.\n board number: %d gain selected: %d		<myhost,prg,log>
2221163	TPS RECEIVER DRIVER - FILTER TRISTATE ACKNOWLEDGE ERROR\n Digital Signal Processors failed to acknowledge \ tristate enable/release command.\n board number: %d filter status register: %02xH		<myhost,svr,log>
2221164	TPS RECEIVER XD BUS TEST FAILURE\n Value in TPS Memory does not match expected.\n Hardware used: I & Q processors to XD Bus to DAB to VSB to Memory.\n TPS memory addr: %08xH\n Expected: %08xH DAB status: %08xH\n Actual: %08xH Receiver Status: %02xH		<myhost,svr,log>
2221165	TPS RECEIVER XD BUS TEST FAILURE\n Data Acquisition Board status register indicates \ an error before (failed to clear) or during the XD bus data test.\n DAB status contents: %08xH Digital Filter Status contents: %02xH		<myhost,svr,log>
2221166	TPS XCVR DIAGNOSTICS - CONFIGURATION FILE STAGING MESSAGE\n Cannot run Receiver diagnostics when hardware is emulated.\n Check the /w/config/tardis_stage file for receiver board status.		<myhost,prg,log>
2221167	TPS XCVR DIAGNOSTICS - CONFIGURATION FILE ERROR -\n Receiver Board(s) specified for test is (are) not present.\n board selected (4 = all boards): %03d command word: %08xH\n Check the /w/config/tardis_stage and /w/config/MRconfig.cfg files.		<myhost,prg,log>
2221168	TPS RECEIVER REGISTER TEST FAILURE -\n Value read back from register does not match value written.\n Receiver board: %d register address: %08xH\n written: %02xH expected: %02xH actual: %02xH		<myhost,svr,log>
2221169	TPS RECEIVER LO'S TEST FAILURE -\n Unable to properly set/clear Local Oscillator on receiver.\n NOTE: Check exciter and receiver narrowband modules and loopback \ circuitry. Run Exciter LO test.\n Receiver board: %03d expected status: %02xH actual: %02xH		<myhost,svr,log>
2221170	TPS RECEIVER XD BUS TEST FAILURE -\n VSB parity error occurred during test.\n Hardware used: Receiver to XD bus to DAB to VSB Bus to Memory.\n Memory Board with problem: %d Parity Error Address: %08xH\n DAB status: %08xH Receiver status: %02xH		<myhost,svr,log>
2221171	TPS RECEIVER TRISTATE TEST FAILURE -\n access to processor RAM does not agree with processor status.\n board: %03d RAM address offset: %08xH\n value written: %08xH expected value: %08xH actual: %08xH		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2221172	TPS RECEIVER RAM TEST FAILURE -\n\ VME to receiver processor RAM Pattern test failed to read back\ pattern written.\n\ board number: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\ address: %08xH expected: %08xH actual: %08xH		<myhost,svr,log>
2221173	TPS RECEIVER RAM TEST FAILURE -\n\ VME to receiver processor RAM Address test failed to read back\ pattern written.\n\ board number: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\ address: %08xH expected: %08xH actual: %08xH		<myhost,svr,log>
2221174	TPS RECEIVER A/D OVRG TEST FAILURE -\n\ Analog to Digital converter overrange flag failure\n\ board number: %d status register address: %08xH\n\ value expected: %02xH actual value read: %02xH		<myhost,svr,log>
2221175	TPS RECEIVER XD OVRUN TEST FAILURE -\n\ XD Bus Overrun flag did not get set upon forced overrun.\n\ NOTE: requires DAB polling of receivers to work.\n\ board number: %d status register address: %08xH\n\ expected: %02xH actual value read: %02xH		<myhost,svr,log>
2221176	TPS RECEIVER XD BUS TEST - INTERNAL SOFTWARE ERROR -\n\ Selected %d boards to run in board level tests (only allow one).		<myhost,prg,log>
2221177	Transceiver Diagnostics - Internal Software Error\n\ This errmes number is no longer defined.		<myhost,prg,log>
2221178	Transceiver Diagnostics - Internal Software Error\n\ This errmes number is no longer defined.		<myhost,prg,log>
2221179	Transceiver Diagnostics - Internal Software Error\n\ This errmes number is no longer defined.		<myhost,prg,log>
2221180	Transceiver Diagnostics - Internal Software Error\n\ This errmes number is no longer defined .		<myhost,prg,log>
2221181	TRANSCEIVER DRIVERS - EXCITER JUMPER ERROR\n\ Exciter Status register indicates that the board is jumpered in a 4.x \ configuration. Jumper JP12 should be in position A.\n\ Status contents: %x Value of bit which should be set: %x		<myhost,prg,log>
2221182	TPS RECEIVER CALIBRATION FAILED -\n\ Gain values measured are not within specs.\n\ Gain setting (dB): %d\n\ Note: measured values given are in 1/100th dB.\n\ Tolerance:%08d actual:%08d\n\ receiver number:%2d		<myhost,svr,log>
2221183	TPS EXCITER CALIBRATION FAILED -\n\ Error in the coarse attenuation setting of: %d dB cannot \ be compensated for by the fine attenuator (using default \ compensation values)...image quality may be affected.\n\ Check the coarse attenuators.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2221184	TPS RECEIVER UNBLANK TEST FAILURE - \n\ Gain with unblank disabled (input blanked) exceeds specifications. Check \ narrowband module, power supplies and connections.\n\ Receiver Board %d\n\ Note: values are in 1/100th dB.\n\ maximum gain:%08d actual gain:%08d		<myhost,svr,log>
2221185	TPS RECEIVER CALIBRATION ERROR -\n\ Measured gain at %2d dB relative to receiver 0 is not within \ specification of %2d dB.\n\ Actual value (in 1/100th dB units): %d\n\ receiver number: %d Total number of calibration failures: %2d		<myhost,svr,log>
2221186	TPS TRANSCEIVER DIAGNOSTICS - INTERNAL SOFTWARE ERROR -\n\ This errmes number is no longer defined.		<myhost,prg,log>
2221187	TPS TRANSCEIVER DIAGNOSTICS - INTERNAL SOFTWARE ERROR -\n\ This errmes number is no longer defined.		<myhost,prg,log>
2221188	TPS TRANSCEIVER DIAGNOSTICS - INTERNAL SOFTWARE ERROR -\n\ This errmes number is no longer defined.		<myhost,prg,log>
2221189	TPS TRANSCEIVER DIAGNOSTICS - INTERNAL SOFTWARE ERROR -\n\ This errmes number is no longer defined.		<myhost,prg,log>
2221190	TPS TRANSCEIVER DIAGNOSTICS - INTERNAL SOFTWARE ERROR -\n\ This errmes number is no longer defined.		<myhost,prg,log>
2221191	TPS TRANSCEIVER DIAGNOSTICS - INTERNAL SOFTWARE ERROR -\n\ This errmes number is no longer defined.		<myhost,prg,log>
2221192	TPS TRANSCEIVER DIAGNOSTICS - INTERNAL SOFTWARE ERROR -\n\ This errmes number is no longer defined.		<myhost,prg,log>
2221193	TPS TRANSCEIVER DIAGNOSTICS - INTERNAL SOFTWARE ERROR -\n\ This errmes number is no longer defined.		<myhost,prg,log>
2221194	TPS TRANSCEIVER DIAGNOSTICS - INTERNAL SOFTWARE ERROR -\n\ This errmes number is no longer defined.		<myhost,prg,log>
2221195	TPS TRANSCEIVER DIAGNOSTICS - INTERNAL SOFTWARE ERROR -\n\ This errmes number is no longer defined.		<myhost,prg,log>
2221196	TPS TRANSCEIVER DIAGNOSTICS - INTERNAL SOFTWARE ERROR -\n\ This errmes number is no longer defined.		<myhost,prg,log>
2221197	TPS TRANSCEIVER DIAGNOSTICS - INTERNAL SOFTWARE ERROR -\n\ This errmes number is no longer defined.		<myhost,prg,log>
2221198	TPS TRANSCEIVER DIAGNOSTICS - INTERNAL SOFTWARE ERROR -\n\ This errmes number is no longer defined.		<myhost,prg,log>
2221199	TPS TRANSCEIVER DIAGNOSTICS - INTERNAL SOFTWARE ERROR -\n\ This errmes number is no longer defined.		<myhost,prg,log>
2221200	TPS TRANSCEIVER DIAGNOSTICS - INTERNAL SOFTWARE ERROR -\n\ This errmes number is no longer defined.		<myhost,prg,log>
2221201	TPS TRANSCEIVER DIAGNOSTICS - INTERNAL SOFTWARE ERROR -\n\ This errmes number is no longer defined.		<myhost,prg,log>
2221202	TPS TRANSCEIVER DIAGNOSTICS - INTERNAL SOFTWARE ERROR -\n\ This errmes number is no longer defined.		<myhost,prg,log>



## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2221225	TPS TRANSCEIVER DIAGNOSTICS - INTERNAL SOFTWARE ERROR -\n\ This errmes number is no longer defined.		<myhost,prg,log>
2221226	TPS TRANSCEIVER DRIVER - CALIBRATION FAILURE -\n\ Unable to detect Local Oscillators on Receiver. Check exciter and \ receiver narrowband modules and loopback circuitry (splitter).\n\ Receiver board: %d expected status: %02xH actual status: %02xH		<myhost,svr,log>
2221227	TPS EXCITER DIAGNOSTICS - INTERNAL SOFTWARE ERROR -\n\ This errmes number is no longer defined.		<myhost,prg,log>
2221228	TPS EXCITER OUTPUT TEST FAILURE\n\ Disabling Exciter Loopback does not turn off TONE PRESENT.\n\ Check exciter narrowband module and connections.\n\ Expected Status register contents: %02xH actual: %02xH		<myhost,svr,log>
2221229	TPS RECEIVER CALIBRATION FAILED\n\ A receiver gain value of zero was measured during calibration. \ Check fuse F3 in the 18V power supply in the TPS chassis. If the fuse \ is OK, check the attachment of the power supply line to the backplane.		<myhost,svr,log>
2221230	TPS RECEIVER XD BUS TEST FAILURE\n\ The Data Aquisition Board status register indicates the\n\ XD bus data transfer did NOT start.\n\ DAB status: %08xH\n\ Receiver status: %02xH		<myhost,svr,log>
2221231	TPS RECEIVER XD BUS TEST FAILURE\n\ The Data Aquisition Board status register indicates the\n\ XD bus data transfer started but did NOT finish.\n\ DAB status: %08xH\n\ Receiver status: %02xH		<myhost,svr,log>
2221232	TPS RECEIVER RAM TEST FAILURE -\n\ Failed while running walking ones test on VME address space \n\ of Receiver. First Failed Memory Address: %08xH \n\ Receiver board: %d Failed Processor (Pre=1,I=2,Q=3): %d \n\ Pattern Expected: %04xH Pattern Received: %04xH		<myhost,svr,log>
2221233	TPS RECEIVER RAM TEST FAILURE -\n\ Failed while running walking zeros test on VME address space \n\ of Receiver. First Failed Memory Address: %08xH \n\ Receiver board: %d Failed Processor (Pre=1,I=2,Q=3): %d \n\ Pattern Expected: %04xH Pattern Received: %04xH		<myhost,svr,log>
2221234	TPS TRANSCEIVER CALIBRATION FAILURE \n\ Unable to detect Local Oscillators on Exciter and Receiver \n\ %b Make sure that splitter box between receiver \n\ and exciter is properly mounted.		<myhost,svr,log>
2221235	Check for possible mismatch between the actual field strengths \n\ of transceiver (exciter and receiver) and fieldStrength entry in \n\ MRconfig.cfg file.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2221236	TPS TRANSCEIVER CALIBRATION FAILURE \n\ Unable to detect Local Oscillator on Receiver. Check exciter and \n\ receiver narrowband modules and loopback circuitry (splitter).\n\ Receiver board: %d Expected status: %02xH Actual status: %02xH		<myhost,svr,log>
2221237	TPS TRANSCEIVER CALIBRATION FAILURE\n\ Unable to detect Local Oscillator on Exciter. Check Narrowband \n\ module, power supply and fuses. %b \ Expected status: %02xH Actual status: %02xH		<myhost,svr,log>
2221238	NOTE: RF connection to receiver\n\ could cause problem, run test with the loopback circuitry (splitter) \n\ unplugged.		<myhost,svr,log>
2221239	TPS Datapath XD Bus Test Message : TPS BAM Crosstalk Anomaly Detected.\n\ This message is logged for internal troubleshooting purposes only.\n\ This anomaly does NOT affect image quality and does NOT call for any \ board replacement.\n\ BAM address %08xH		<myhost,svr,log>
2221240	TPS TX DRIVERS - CONFIGURATION ERROR\n\ No broadband module detected in receiver 0. Please check receiver 0, \ /w/config/MRconfig.cfg file, or splitter box and make the corrective action.		<myhost,prg,log>
2221241	TPS SOFTWARE ERROR - The TPS Receiver driver function rx_sel_bias was called\n\ with an invalid bias selection. The calling software must be corrected.\n\ Rcvr bd number : %d\n\ Invalid bias selected : %d		<myhost,prg,log>
2221242	TPS EXCITER OUTPUT TEST FAILURE\n\ Setting Invalid Center Frequency does not turn off TONE PRESENT.\n\ Check exciter narrowband module.\n\ Center Frequency: %d\n\ Expected Status register contents: %02xH actual: %02xH		<myhost,svr,log>
2221243	TPS EXCITER SYNTHESIZER TEST FAILURE\n\ The synthesizer look-up table test failed. The data received\n\ indicates that the exciter may be an older (5.4) model, or else\n\ is jumpered in the 5.4 position.		<myhost,svr,log>
2221806	TPS RECEIVER FILTERS - INTERNAL SOFTWARE ERROR - \n\ This error message no longer in use!\n\ Please inform Diagnostics Team of the problem.		<myhost,prg,log>
2221807	TPS RECEIVER FILTERS - RAM TEST FAILURE -\n\ Value written by processor to RAM did not match pattern read back.\n\ Receiver board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\ Failed Memory (Program=1,Data=2): %d Address: %08xH\n\ Pattern Expected: %08xH		<myhost,svr,log>
2221808	TPS RECEIVER FILTERS - BIO TEST FAILURE -\n\ One of input signals to BIO not functioning correctly.\n\ Probable cause - BIO Select PAL or FIFO\n\ Receiver board: %d Failed Processor (Pre=1,I=2,Q=3): %d		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2221809	TPS RECEIVER FILTERS - FILTER SELECT REGISTER TEST FAILURE -\n Pattern read by processor from filter select register does not match \n expected value.\n Receiver board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n Pattern Received: %08xH Pattern Expected: %08xH		<myhost,svr,log>
2221810	TPS RECEIVER FILTERS - PROCESSOR TIMING TEST FAILURE -\n Comparison between A/D Interrupt clock and preprocessor clock is \n out of specifications.\n Receiver Board: %d Count Received: %d Expected: (%d or %d)		<myhost,svr,log>
2221811	TPS RECEIVER FILTERS - A/D TIMING TEST -\n Time between A/D interrupts is out of specifications.\n Receiver Board: %d Failed Processor (Pre=1): %d\n Expected Count Range: 78-82\n Count 1 Received: %d Count 2 Received: %d		<myhost,svr,log>
2221812	TPS RECEIVER FILTERS - TAGBIT TEST FAILURE -\n Processor failed to detect tagbit.\n Receiver Board: %d Failed Processor (I=2,Q=3): %d\n Failed Tagbit Interrupt (INT0=1,INT1=2): %d		<myhost,svr,log>
2221813	TPS RECEIVER FILTERS - FIFO TEST FAILURE -\n Pattern read by processor does not match expected.\n Receiver: %d Proc. (Pre=1,I=2,Q=3): %d Failure Type: %d\n NOTE: if Proc is Pre, type 1 = I, 2 = Q, 3 = both\n otherwise: 1 = missing data, 2 = bad pattern.		<myhost,svr,log>
2221814	TPS RECEIVER FILTERS - TEST INPUT TEST FAILURE -\n Pattern read by processor from test input does not match pattern written.\n Receiver board: %d Processor (Pre=1,I=2,Q=3): %d\n Input (I=1, Q=2, Both=3): %d Pattern Received: %08xH Expected: %08xH		<myhost,svr,log>
2221815	TPS RECEIVER XD OVRUN - PROCESSOR DID NOT SET EXTERNAL FLAG\n One of the processors did not set its external flag acknowledging completion\n of the test. XD overrun may have not been forced.\n Receiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d		<myhost,svr,log>
2221816	TPS RECEIVER FILTERS - INTERNAL SOFTWARE ERROR\n Test number in error report does not correspond to known tests.\n Rcvr Bd: %d Failed Processor (Pre=1,I=2,Q=3): %d\n Test num: %d		<myhost,prg,log>
2221817	TPS RECEIVER FILTERS TEST - PROCESSOR DID NOT SET EXTERNAL FLAG\n Processor flag failed to set external flag as expected.\n Receiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n Flag value expected: %08xH Flag value received: %08xH		<myhost,svr,log>
2221818	TPS RECEIVER FILTERS TEST - PROCESSOR DID NOT SET EXTERNAL FLAG\n Processor flag failed to respond properly during RAM test.\n Receiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n Flag value expected: %08xH Flag value received: %08xH		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2221819	TPS RECEIVER FILTERS TEST - PROCESSOR DID NOT SET EXTERNAL FLAG\n\nProcessor failed to respond properly during BIO Test\n\nReceiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\nFlag value expected: %08xH Flag value received: %08xH		<myhost,svr,log>
2221820	TPS RECEIVER FILTERS TEST - PROCESSOR DID NOT SET EXTERNAL FLAG\n\nProcessor failed to respond properly during Filter Select Register Test\n\nReceiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\nFlag value expected: %08xH Flag value received: %08xH		<myhost,svr,log>
2221821	TPS RECEIVER FILTERS TEST - PROCESSOR DID NOT SET EXTERNAL FLAG\n\nProcessor failed to respond properly during processor timing test\n\nReceiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\nFlag value expected: %08xH Flag value received: %08xH		<myhost,svr,log>
2221822	TPS RECEIVER FILTERS TEST - PROCESSOR DID NOT SET EXTERNAL FLAG\n\nProcessor failed to respond properly during A/D timing test\n\nReceiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\nFlag value expected: %08xH Flag value received: %08xH		<myhost,svr,log>
2221823	TPS RECEIVER FILTERS TEST - PROCESSOR DID NOT SET EXTERNAL FLAG\n\nProcessor failed to respond properly during tagbit test\n\nReceiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\nFlag value expected: %08xH Flag value received: %08xH		<myhost,svr,log>
2221824	TPS RECEIVER FILTERS TEST - PROCESSOR DID NOT SET EXTERNAL FLAG\n\nProcessor failed to respond properly during FIFO test\n\nReceiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\nFlag value expected: %08xH Flag value received: %08xH		<myhost,svr,log>
2221825	TPS RECEIVER FILTERS TEST - PROCESSOR DID NOT SET EXTERNAL FLAG\n\nProcessor failed to respond properly during Test Input test\n\nReceiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\nFlag value expected: %08xH Flag value received: %08xH		<myhost,svr,log>
2221826	TPS RECEIVER FILTERS TEST - PROCESSOR DID NOT SET EXTERNAL FLAG\n\nProcessor failed to respond properly during XD bus overrun test\n\nReceiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\nFlag value expected: %08xH Flag value received: %08xH		<myhost,svr,log>
2221827	TPS RECEIVER FILTERS - INTERNAL SOFTWARE ERROR - \n\nThis error message no longer in use!\n\nPlease inform Diagnostics Team of the problem.		<myhost,prg,log>
2221828	TPS RECEIVER FILTER RUN TIME ERROR -\n\nPreprocessor forced I/Q processor into error state.\n\nReceiver Board: %d Failed Processor (I=2,Q=3): %d		<myhost,svr,log>
2221829	TPS RECEIVER FILTER RUN TIME ERROR -\n\nUnexpected initialization command from Preprocessor.\n\nReceiver Board: %d Failed Processor (I=2,Q=3): %d		<myhost,svr,log>
2221830	TPS RECEIVER FILTER RUN TIME ERROR -\n\nUnexpected initialization command from Preprocessor.\n\nReceiver Board: %d Failed Processor (I=2,Q=3): %d		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2221831	TPS RECEIVER FILTER RUN TIME ERROR -\n\ Unexpected initialization command from Preprocessor.\n\ Receiver Board: %d Failed Processor (I=2,Q=3): %d		<myhost,svr,log>
2221832	TPS RECEIVER FILTER RUN TIME ERROR -\n\ I/Q processor out of sync - INT1 received, INT0 expected.\n\ Receiver Board: %d Failed Processor (I=2,Q=3): %d		<myhost,svr,log>
2221833	TPS RECEIVER FILTER RUN TIME ERROR -\n\ I/Q processor out of sync - INT0 received, INT1 expected.\n\ Receiver Board: %d Failed Processor (I=2,Q=3): %d		<myhost,svr,log>
2221834	TPS RECEIVER FILTER RUN TIME ERROR -\n\ I/Q processor out of sync - INT0 received, INT1 expected.\n\ Receiver Board: %d Failed Processor (I=2,Q=3): %d		<myhost,svr,log>
2221835	TPS RECEIVER FILTER RUN TIME ERROR -\n\ No initialization word received after reset.\n\ Receiver Board: %d Failed Processor (I=2,Q=3): %d		<myhost,svr,log>
2221836	TPS RECEIVER FILTER RUN TIME ERROR -\n\ No interrupt (INT1) has accompanied initialization word.\n\ Receiver Board: %d Failed Processor (I=2,Q=3): %d		<myhost,svr,log>
2221837	TPS RECEIVER FILTER RUN TIME ERROR -\n\ No interrupt (INT1) has accompanied Filter Select word.\n\ Receiver Board: %d Failed Processor (I=2,Q=3): %d		<myhost,svr,log>
2221838	TPS RECEIVER FILTER RUN TIME ERROR -\n\ Unexpected interrupt has accompanied Barrel Shift.\n\ Receiver Board: %d Failed Processor (I=2,Q=3): %d		<myhost,svr,log>
2221839	TPS RECEIVER FILTER RUN TIME ERROR - INTERNAL SOFTWARE ERROR -\n\ Error number in report does not match known errors.\n\ Receiver Board: %d Failed Processor (I=2,Q=3): %d		<myhost,prg,log>
2221840	TPS RECEIVER FILTER RUN TIME ERROR -\n\ Preprocessor Internal queue overflow.\n\ Receiver Board: %d Preprocessor failure		<myhost,svr,log>
2221841	TPS RECEIVER FILTER RUN TIME ERROR -\n\ Data Acquisition Interrupted before completion.\n\ Receiver Board: %d Preprocessor failure		<myhost,svr,log>
2221842	TPS RECEIVER FILTER RUN TIME ERROR -\n\ No Filter Selected before first frame.\n\ Receiver Board: %d Preprocessor failure		<myhost,prg,log>
2221843	TPS TRANSCEIVER CALIBRATION - INTERNAL SOFTWARE ERROR -\n\ Test number mismatch, Calibration Test was not run on the receiver.\n\ Receiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\ Expected: %d Actual: %d		<myhost,prg,log>
2221844	TPS RECEIVER FILTER RUN TIME ERROR -\n\ Frame Boundary not found.\n\ Receiver Board: %d Preprocessor failure		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2221845	TPS RECEIVER FILTER RUN TIME ERROR -\n\ Preprocessor Queue Not Empty when non-queued acquisition initiated.\n\ Receiver Board: %d Preprocessor failure		<myhost,svr,log>
2221846	TPS RECEIVER FILTER RUN TIME ERROR -\n\ I FIFO Data Overrun.\n\ Receiver Board: %d Preprocessor failure		<myhost,svr,log>
2221847	TPS RECEIVER FILTER RUN TIME ERROR -\n\ Q FIFO Data Overrun.\n\ Receiver Board: %d Preprocessor failure		<myhost,svr,log>
2221848	TPS RECEIVER FILTER RUN TIME ERROR - INTERNAL SOFTWARE ERROR -\n\ Error number in report does not match known errors.\n\ Receiver Board: %d Preprocessor failure		<myhost,prg,log>
2221849	TPS RECEIVER FILTERS TEST - INTERNAL SOFTWARE ERROR -\n\ Test number mismatch, Interrupt Test was not run on the receiver.\n\ Receiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\ Expected: %d Actual: %d		<myhost,prg,log>
2221850	TPS RECEIVER FILTERS TEST - INTERNAL SOFTWARE ERROR -\n\ Test number mismatch, RAM Test was not run on the receiver.\n\ Receiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\ Expected: %d Actual: %d		<myhost,prg,log>
2221851	TPS RECEIVER FILTERS TEST - INTERNAL SOFTWARE ERROR -\n\ Test number mismatch, BIO Test was not run on the receiver.\n\ Receiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\ Expected: %d Actual: %d		<myhost,prg,log>
2221852	TPS RECEIVER FILTERS TEST - INTERNAL SOFTWARE ERROR -\n\ Test number mismatch, FSR Test was not run on the receiver.\n\ Receiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\ Expected: %d Actual: %d		<myhost,prg,log>
2221853	TPS RECEIVER FILTERS TEST - INTERNAL SOFTWARE ERROR -\n\ Test number mismatch, TIM Test was not run on the receiver.\n\ Receiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\ Expected: %d Actual: %d		<myhost,prg,log>
2221854	TPS RECEIVER FILTERS TEST - INTERNAL SOFTWARE ERROR -\n\ Test number mismatch, A/D Timing Test was not run on the receiver.\n\ Receiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\ Expected: %d Actual: %d		<myhost,prg,log>
2221855	TPS RECEIVER FILTERS TEST - INTERNAL SOFTWARE ERROR -\n\ Test number mismatch, Tagbit Test was not run on the receiver.\n\ Receiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\ Expected: %d Actual: %d		<myhost,prg,log>
2221856	TPS RECEIVER FILTERS TEST - INTERNAL SOFTWARE ERROR -\n\ Test number mismatch, FIFO Test was not run on the receiver.\n\ Receiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\ Expected: %d Actual: %d		<myhost,prg,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2221857	TPS RECEIVER FILTERS TEST - INTERNAL SOFTWARE ERROR -\n\ Test number mismatch, Test Input Test was not run on the receiver.\n\ Receiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\ Expected: %d Actual: %d		<myhost,prg,log>
2221858	TPS RECEIVER FILTERS TEST - INTERNAL SOFTWARE ERROR -\n\ Test number mismatch, XD Overrun Test was not run on the receiver.\n\ Receiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\ Expected: %d Actual: %d		<myhost,prg,log>
2221859	TPS RECEIVER FILTERS - INTERNAL SOFTWARE ERROR -\n\ Test number in report does not match any expected values.\n\ Receiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\ Expected: %d Actual: %d		<myhost,prg,log>
2221860	TPS RECEIVER FILTERS TEST - INTERNAL SOFTWARE ERROR -\n\ Test number mismatch, A/D overrange Test was not run on the receiver.\n\ Receiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\ Expected: %d Actual: %d		<myhost,prg,log>
2221861	TPS RECEIVER A/D OVRG TEST - PROCESSOR DID NOT SET EXTERNAL FLAG\n\ Processor failed to respond properly during A/D Overrange test\n\ Receiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\ Flag value expected: %08xH Flag value received: %08xH		<myhost,svr,log>
2221862	TPS RECEIVER A/D OVRG TEST FAILURE - \n\ Filter Diagnostics - A/D Overrange Detection Logic Test\n\ Receiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d		<myhost,svr,log>
2221863	TPS RECEIVER FIRMWARE TEST - INTERNAL SOFTWARE ERROR - \n\ Illegal filter number selected: %d		<myhost,prg,log>
2221864	TPS RECEIVER FIRMWARE TEST - INTERNAL SOFTWARE ERROR - \n\ Attempt to allocate temporary CPU memory buffer failed.		<myhost,prg,log>
2221865	TPS RECEIVER FILTER TEST FAILURE -\n\ Filter output did not match expected value.\n\ NOTE: uses receiver, XD bus, DAB, VSB and TPS Memory.\n\ Board: %d Failed channel (I = 1, Q = 2): %d\n\ Coefficient index: %08xH expected: %08xH received: %08xH		<myhost,svr,log>
2221866	TPS TRANSCEIVER CALIBRATION - PROCESSOR DID NOT SET EXTERNAL FLAG\n\ Processor failed to respond properly during calibration.\n\ Receiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d\n\ Flag value expected: %08xH Flag value received: %08xH		<myhost,svr,log>
2221867	TPS RECEIVER FILTERS - INTERNAL SOFTWARE ERROR -\n\ Digital filter calibration test error. The input signal was \ higher than expected. \n\ Receiver Board: %d Failed Processor (Pre=1,I=2,Q=3): %d \n\ Test num: %d		<myhost,prg,log>
2221868	TPS RECEIVER FILTERS - INTERNAL SOFTWARE ERROR -\n\ Error occured while setting the auxiliary clock rate in vxworks call\n\ sysAuxClkRateSet, tick rate or timer not settable.		<myhost,prg,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2221966	FAST RECEIVER DRIVER ERROR\n\nInvalid Analog Lowpass filter %d specified.\n\nPlease reset TPS!		<myhost,svr,log>
2221967	FAST RECEIVER DRIVER ERROR\n\nInvalid Fast Receiver Mode %d specified.\n\nPlease reset TPS!		<myhost,svr,log>
2221968	FAST RECEIVER DRIVER ERROR\n\nInvalid Number of Sample Points %d specified.\n\nPlease reset TPS!		<myhost,svr,log>
2221969	FAST RECEIVER DRIVER ERROR\n\nInvalid Sample Period %d specified.\n\nPlease reset TPS!		<myhost,svr,log>
2221970	FAST RECEIVER DRIVER ERROR\n\nInvalid Programmable Delay %d specified.\n\nPlease reset TPS!		<myhost,svr,log>
2221971	FAST RECEIVER DIAGS ERROR -\n\nIllegal Diags Mode %d was selected.\n\nInternal software error.		<myhost,svr,log>
2221972	FAST RECEIVER DIAGS ERROR -\n\nNo DAB Start of Acquisition interrupt was detected,\n\nacquisition timed out. DAB or Fast Receiver problem.		<myhost,svr,log>
2221973	FAST RECEIVER DIAGS ERROR -\n\nNo DAB End of Acquisition interrupt was detected,\n\nacquisition timed out. DAB or Fast Receiver problem.		<myhost,svr,log>
2221974	FAST RECEIVER DIAGS ERROR -\n\nThe DAB ERROR interrupt occured during Fast Receiver\n\ntesting. Please execute DAB diagnostics.		<myhost,svr,log>
2221975	FAST RECEIVER DIAGS ERROR -\n\nChecksum calculation failed in loopback test.\n\nExpected data was 0x%x found was 0x%x.		<myhost,svr,log>
2221976	FAST RECEIVER DIAGS CONFIG ERROR\n\nFast Receiver diags were selected but a Fast Receiver could not\n\nbe detected in the system. Please check the Fast Receiver connections\n\nif it is installed.		<myhost,svr,log>
2221977	FAST RECEIVER DIAGS ERROR -\n\nThe Analog Power supply does not meet specification.\n\nPlease check power supply voltage levels.		<myhost,svr,log>
2222080	TPS IPG BOARD POWER-UP ERROR: EPROM TEST -- EPROM Checksum error.		<myhost,svr,log>
2222081	TPS IPG BOARD POWER-UP ERROR: LOCAL BUS TEST --\n\nDiagnostic register Pattern Test failed.\n\nAddress: %08x\n\nExpected: %08x\n\nWritten: %08x\n\nActual: %08x		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222082	TPS IPG BOARD POWER-UP ERROR: VMECHIP TEST -- VMECHIP Pattern Test failed.\n\ Address: %08x\n\ Expected: %08x\n\ Written: %08x\n\ Actual: %08x		<myhost,svr,log>
2222083	TPS IPG BOARD POWER-UP ERROR: NVRAM TEST -- NVRAM Pattern Test failed.\n\ Address: %08x\n\ Expected: %08x\n\ Written: %08x\n\ Actual: %08x		<myhost,svr,log>
2222084	TPS IPG BOARD POWER-UP ERROR: NVRAM TEST -- NVRAM Address Test failed.\n\ Address: %08x\n\ Expected: %08x\n\ Written: %08x\n\ Actual: %08x		<myhost,svr,log>
2222085	TPS IPG BOARD POWER-UP ERROR: CPU DPR TEST -- CPU DPR Pattern Test failed.\n\ Address: %08x\n\ Expected: %08x\n\ Written: %08x\n\ Actual: %08x		<myhost,svr,log>
2222086	TPS IPG BOARD POWER-UP ERROR: CPU DPR TEST -- CPU DPR Address Test failed.\n\ Address: %08x\n\ Expected: %08x\n\ Written: %08x\n\ Actual: %08x		<myhost,svr,log>
2222087	TPS IPG BOARD POWER-UP ERROR: RAM TEST -- Dynamic RAM Pattern Test failed.\n\ Address: %08x\n\ Expected: %08x\n\ Written: %08x\n\ Actual: %08x		<myhost,svr,log>
2222088	TPS IPG BOARD POWER-UP ERROR: RAM TEST -- Dynamic RAM Address Test failed.\n\ Address: %08x\n\ Expected: %08x\n\ Written: %08x\n\ Actual: %08x		<myhost,svr,log>
2222089	TPS IPG BOARD POWER-UP ERROR: RAM TEST -- Dynamic RAM Refresh Test failed.\n\ Address: %08x\n\ Expected: %08x\n\ Written: %08x\n\ Actual: %08x		<myhost,svr,log>
2222090	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Interrupt Vector Register pattern test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222091	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Interrupt Enable Register A pattern test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2222092	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Interrupt Enable Register B pattern test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2222093	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Interrupt Mask Register A pattern test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2222094	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Interrupt Mask Register B pattern test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2222095	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Active Edge Register pattern test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2222096	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Data Direction Register pattern test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2222097	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Synchronous Character Register pattern test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2222098	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Timer A Data Register pattern test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2222099	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Timer B Data Register pattern test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222100	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Timer C Data Register pattern test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2222101	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Timer D Data Register pattern test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2222102	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Timer A Control Register pattern test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2222103	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Timer B Control Register pattern test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2222104	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Timer C/D Control Register pattern test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2222105	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Timer A failed linearity test. Timer not monotonically decreasing.\n\ Previous Count: %02x\n\ Current Count: %02x		<myhost,svr,log>
2222106	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Timer B failed the linearity test.\n\ Previous Count: %02x\n\ Current Count: %02x		<myhost,svr,log>
2222107	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Timer C failed the linearity test.\n\ Previous Count: %02x\n\ Current Count: %02x		<myhost,svr,log>
2222108	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Timer D failed the linearity test.\n\ Previous Count: %02x\n\ Current Count: %02x		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222109	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Timer A failed the prescaler test using Timer B as benchmark.\n\ Timer A Prescale Value: %02x\n\ Timer B Prescale Value: %02x\n\ Expected Value: %02x\n\ Actual Value: %02x		<myhost,svr,log>
2222110	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Timer B failed the prescaler test using Timer A as benchmark.\n\ Timer B Prescale Value: %02x\n\ Timer A Prescale Value: %02x\n\ Expected Value: %02x\n\ Actual Value: %02x		<myhost,svr,log>
2222111	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Timer C failed the prescaler test using Timer A as benchmark.\n\ Timer C Prescale Value: %02x\n\ Timer A Prescale Value: %02x\n\ Expected Value: %02x\n\ Actual Value: %02x		<myhost,svr,log>
2222112	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Timer D failed the prescaler test using Timer A as benchmark.\n\ Timer D Prescale Value: %02x\n\ Timer A Prescale Value: %02x\n\ Expected Value: %02x\n\ Actual Value: %02x		<myhost,svr,log>
2222113	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Timer A failed to interrupt.\n\ Expected Interrupt Level: %02x\n\ Expected Interrupt Vector Number: %02x\n\ MFP IPRA: %02x		<myhost,svr,log>
2222114	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Timer B failed to interrupt.\n\ Expected Interrupt Level: %02x\n\ Expected Interrupt Vector Number: %02x\n\ MFP IPRA: %02x		<myhost,svr,log>
2222115	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Timer C failed to interrupt.\n\ Expected Interrupt Level: %02x\n\ Expected Interrupt Vector Number: %02x\n\ MFP IPRB: %02x		<myhost,svr,log>
2222116	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Timer D failed to interrupt.\n\ Expected Interrupt Level: %02x\n\ Expected Interrupt Vector Number: %02x\n\ MFP IPRB: %02x		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222117	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Timers A & B failed to interrupt the CPU at consistant intervals.\n\ Timer A Interrupt Count: %02x\n\ Timer B Interrupt Count: %02x		<myhost,svr,log>
2222118	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ MFP Timers C & D failed to interrupt the CPU at consistant intervals.\n\ Timer C Interrupt Count: %02x\n\ Timer D Interrupt Count: %02x		<myhost,svr,log>
2222119	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ Tx buffer was not empty after character was received by loopback.\n\ MFP TSR: %02x		<myhost,svr,log>
2222120	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ Rx Buffer Full flag not set after 1ms wait for Tx.\n\ MFP UCR: %02x\n\ MFP TSR: %02x\n\ MFP RSR: %02x		<myhost,svr,log>
2222121	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ Rx character received not the same as the Tx character sent.\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2222122	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ TX buffer was not empty after initialization of the MFP serial port.\n\ MFP TSR: %02x		<myhost,svr,log>
2222123	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ TX-Buffer-Empty Flag not clear after 2 writes to the MFP serial port.\n\ MFP TSR: %02x		<myhost,svr,log>
2222124	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ Transmit interrupt did not occur on the MFP serial port.\n\ Expected Interrupt Level: %02x\n\ Expected Interrupt Vector Number: %02x\n\ MFP IPRA: %02x\n\ MFP TSR: %02x		<myhost,svr,log>
2222125	TPS IPG BOARD POWER-UP ERROR: MFP TEST --\n\ Receive interrupt did not occur on the MFP serial port.\n\ Expected Interrupt Level: %02x\n\ Expected Interrupt Vector Number: %02x\n\ MFP IPRA: %02x\n\ MFP TSR: %02x\n\ MFP RSR: %02x		<myhost,svr,log>
2222126	TPS IPG BOARD POWER-UP ERROR: FPP TEST --\n\ The Floating-Point Coprocessor is not installed.		<myhost,svr,log>
2222127	TPS IPG BOARD POWER-UP ERROR: FPP TEST --\n\ The Floating-Point Coprocessor data register sliding-one pattern test\n\ failed.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222128	TPS IPG BOARD POWER-UP ERROR: FPP TEST --\n\ The Floating-Point Coprocessor multiplication instruction test failed.		<myhost,svr,log>
2222129	TPS IPG BOARD POWER-UP ERROR: FPP TEST --\n\ The Floating-Point Coprocessor sine instruction test failed.		<myhost,svr,log>
2222130	TPS IPG BOARD POWER-UP ERROR: FPP TEST --\n\ The Floating-Point Coprocessor addition instruction test failed.		<myhost,svr,log>
2222131	TPS IPG BOARD POWER-UP ERROR: FPP TEST --\n\ The Floating-Point Coprocessor subtraction instruction test failed.		<myhost,svr,log>
2222132	TPS IPG BOARD POWER-UP ERROR: REAL-TIME CLOCK TEST --\n\ The clock value did not change in a reasonable amount of time.		<myhost,svr,log>
2222133	TPS IPG BOARD POWER-UP ERROR: REAL-TIME CLOCK TEST --\n\ Low backup battery power.		<myhost,svr,log>
2222134	TPS IPG BOARD POWER-UP ERROR: INTERPROCESSOR TEST --\n\ CPU failed to interrupt IPG. \ Check IACK jumpers or missing boards between CPU \ and IPG board.\n\ Expected: %08x\n\ Actual: %04x		<myhost,svr,log>
2222135	TPS IPG BOARD POWER-UP ERROR: INTERPROCESSOR TEST --\n\ Failed to get flag from CPU. \ Check IACK jumpers or missing boards between CPU \ and IPG board.\n\ Expected: %08x\n\ Actual: %04x		<myhost,svr,log>
2222136	TPS IPG BOARD POWER-UP ERROR:\n\ an unexpected interrupt occurred.\n\ Errmes in Progress: %04x\n\ Exception Stack Frame Status: %04x\n\ Exception Stack Frame PC: %08x\n\ Exception Stack Frame Vector Offset: %04x		<myhost,svr,log>
2222137	TPS IPG BOARD POWER-UP ERROR:\n\ An unexpected bus fault interrupt occurred. (ESF = Exception Stack Frame)\n\ Errmes in Progress: %04x\n\ ESF Status: %04x\n\ ESF PC: %08x\n\ ESF Vector Offset: %04x\n\ ESF Fault Address: %08x		<myhost,svr,log>
2222138	TPS IPG BOARD POWER-UP ERROR: INTERPROCESSOR TEST --\n\ CPU was not found in dual ported RAM space. \ Interprocessor Test will not be attempted. \ Check IACK jumpers or missing boards between CPU \ and IPG board.		<myhost,svr,log>
2222139	TPS IPG BOARD POWER-UP ERROR: INTERPROCESSOR TEST --\n\ IACK chain missing. Check IACK jumpers or missing boards between CPU \ and IPG board.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222180	IPG DIAGS EXEC FAILURE\n The IPG diags exec was unable to spawn the diagnostics monitor task.\n Diags could not be run. Possible CPU problem. Try to run again.		<srv,myhost,log>
2222181	IPG DIAGS EXEC FAILURE\n The IPG diags exec was unable to delete the diagnostics monitor task.\n Possible CPU problem. Try re-running the diags.		<srv,myhost,log>
2222182	IPG DIAGS EXEC FAILURE\n The IPG diags exec was unable to spawn the diagnostics task.\n Diags could not be run. Possible CPU problem. Try to run again.		<srv,myhost,log>
2222183	IPG DIAGS EXEC FAILURE\n The IPG diags exec failed a VxWorks task status check.\n Possible CPU problem.		<srv,myhost,log>
2222184	IPG DIAGS EXEC FAILURE\n The IPG diags exec was unable to create its VxWorks message queue.\n Diags could not be run. Possible CPU problem. Try to run again.		<srv,myhost,log>
2222185	IPG DIAGS EXEC FAILURE\n The IPG diags exec failed to pend on the VxWorks message queue.\n Diags continued. Possible CPU problem.		<srv,myhost,log>
2222186	IPG DIAGS EXEC FAILURE\n The IPG diags exec was unable to post the end message to VxWorks.\n Possible CPU problem.		<srv,myhost,log>
2222187	IPG DIAGS SOFTWARE ERROR\n The IPG diags exec received an invalid command word from the host.\n Diags were not run.\n command word : %08xH		<prg,myhost,log>
2222188	IPG STANDALONE DIAGS EXEC SOFTWARE ERROR\n The IPG diags exec failed a VxWorks cm_lookup emulation call.		<prg,myhost,log>
2222189	IPG STANDALONE DIAGS EXEC SOFTWARE ERROR\n The IPG diags exec failed a VxWorks cm_send emulation call.		<prg,myhost,log>
2222190	IPG STANDALONE DIAGS EXEC SOFTWARE ERROR\n The IPG diags exec failed a VxWorks cm_define emulation call.		<prg,myhost,log>
2222191	IPG DIAGS EXEC FAILURE\n IPG diags exec was unable to define its NMRID.\n Network failure. Reset TPS and try again.\n vxWorks error code: %08xH		<srv,myhost,log>
2222192	IPG DIAGS EXEC FAILURE\n IPG diags exec was unable to look up an NMRID.\n Network failure. Reset TPS and try again.\n vxWorks error code: %08xH		<srv,myhost,log>
2222193	IPG DIAGS EXEC FAILURE\n IPG diags exec was unable to send a packet.\n Network failure. Reset TPS and try again.\n vxWorks error code: %08xH		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222194	IPG DIAGS SOFTWARE ERROR\n\nThe IPG diags function id_report_err is being called with an invalid\n\nmessage handler packet pointer.\n\nPointer: %08xH\n\nvxWorks error code: %08xH		<prg,myhost,log>
2222195	IPG DIAGS EXEC FAILURE\n\nThe IPG diags exec received an unexpected interrupt. The vector\n\nindicates the source of the interrupt.\n\ncurrent diags command word: %08xH\n\nvector: %08xH		<srv,myhost,log>
2222196	IPG DIAGS - CONFIGURATION ERROR DETECTED\n\nThe entries for GAP and gradientAmp in the MRconfig.cfg file are not\n\ncompatible. Please update the config file to match the installed hw.\n\n%b		<srv,myhost,log>
2222197	If the GAP entry is changed, the system must be re-started so that all\n\nnecessary processes recognize the change. If the gradientAmp entry is\n\nchanged, just exit and re-enter diags.		<srv,myhost,log>
2222198	The selected test(s) cannot be run due to the incompatibility between the\n\nGAP and gradientAmp entries in the MRconfig file.		<srv,myhost,log>
2222199	GRADIENT DRIVER TESTS\n\nThe selected test cannot be run due to invalid Signal Number lm=%d.\n\nValid range is lm=1 to lm=5		<srv,myhost,log>
2222200	GRADIENT DRIVER TESTS\n\nThe MRconfig.cfg file has no GRAMs configured.\n\nThis test requires GRAM's to be in the system configuration.		<srv,myhost,log>
2222201	IPG CPU Format 0 (4-word) exception occurred.\n\n%b diags were running at the time.\n\nTask ID: %08xH\n\nVector: %08xH\n\nProgram counter: %08xH		<srv,myhost,log>
2222202	IPG CPU Format 1 (Throwaway 4-word) exception occurred.\n\n%b diags were running at the time.\n\nTask ID: %08xH\n\nVector: %08xH\n\nProgram counter: %08xH		<srv,myhost,log>
2222203	IPG CPU Format 2 (6-word) exception occurred.\n\n%b diags were running at the time.\n\nTask ID: %08xH\n\nVector: %08xH\n\nAccess address: %08xH		<srv,myhost,log>
2222204	IPG CPU Format 3 (floating point) exception occurred.\n\n%b diags were running at the time.\n\nTask ID: %08xH\n\nVector: %08xH\n\nEffective address: %08xH		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222205	IPG CPU Format 7 (bus error) exception occurred.\n\n%b diags were running at the time.\n\nTask ID: %08xH\n\nVector: %08xH\n\nFault address: %08xH (%b)		<srv,myhost,log>
2222206	IPG CPU Format 9 (coprocessor mid-instruction) exception occurred.\n\n%b diags were running at the time.\n\nTask ID: %08xH\n\nVector: %08xH\n\nAccess address: %08xH		<srv,myhost,log>
2222207	IPG CPU Format 10 (short bus cycle) exception occurred.\n\n%b diags were running at the time.\n\nTask ID: %08xH\n\nVector: %08xH\n\nFault address: %08xH (%b)		<srv,myhost,log>
2222208	IPG CPU Format 11 (long bus cycle) exception occurred.\n\n%b diags were running at the time.\n\nTask ID: %08xH\n\nVector: %08xH\n\nFault address: %08xH (%b)		<srv,myhost,log>
2222209	IPG CPU Asynchronous format exception occurred.\n\n%b diags were running at the time.\n\nTask ID: %08xH (0 indicates asynchronous)\n\nVector: %08xH		<srv,myhost,log>
2222210	An invalid IPG CPU Format exception occurred.\n\n%b diags were running at the time.\n\nTask ID: %08xH\n\nVector: %08xH\n\nInvalid Stack Frame Format: %d		<srv,myhost,log>
2222211	IPG board level		<srv,myhost,log>
2222212	MDS		<srv,myhost,log>
2222213	Manual		<srv,myhost,log>
2222214	Datapath		<srv,myhost,log>
2222215	an IPG EPROM Memory address		<myhost,svr,log>
2222216	an IPG EPROM expansion area address		<myhost,svr,log>
2222217	an IPG DRAM Memory address		<myhost,svr,log>
2222218	an IPG Sequencer Waveform memory address		<myhost,svr,log>
2222219	an IPG Sequencer Control register address		<myhost,svr,log>
2222220	an IPG RF Multiplier Control register address		<myhost,svr,log>
2222221	an IPG Sequencer LCA register address		<myhost,svr,log>
2222222	an IPG WARP processor memory address		<myhost,svr,log>
2222223	an IPG SPU processor memory address		<myhost,svr,log>
2222224	an IPG SPI processor memory address		<myhost,svr,log>
2222225	an IPG diagnostic display address		<myhost,svr,log>
2222226	an IPG 8-bit port address		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222227	an IPG Miscellaneous Control register address		<myhost,svr,log>
2222228	an IPG MC68901 MFP1 register address		<myhost,svr,log>
2222229	an IPG MC68901 MFP2 register address		<myhost,svr,log>
2222230	an IPG Non-volatile memory address		<myhost,svr,log>
2222231	an IPG VME Bus Interface register address		<myhost,svr,log>
2222232	an IPG Sequencer Instr Mem (Grad & SSP) address		<myhost,svr,log>
2222233	an IPG Sequencer Instr Mem (RF Generators) addr		<myhost,svr,log>
2222234	a VME Bus Short I/O address		<myhost,svr,log>
2222235	an IPG DRAM expansion area address		<myhost,svr,log>
2222236	a VME Bus Standard [i.e. A24] address		<myhost,svr,log>
2222237	a VME Bus Extended [i.e. A32] address		<myhost,svr,log>
2222238	an undefined IPG address		<myhost,svr,log>
2222239	IPG BOARD LEVEL DIAGS FAILURE\n The 68020 could not access the SPU DPR. Check that the 68020-SPU DPR chip\n is mounted correctly on the IPG board.\n address accessed : %08xH		<myhost,svr,log>
2222240	IPG BOARD LEVEL DIAGS FAILURE\n The SPU DPR pattern test from the 68020 failed. Check the 68020-SPU DPR\n chip on the IPG board.\n address : %08xH\n written: %08xH\n expected: %08xH\n actual: %08xH		<myhost,svr,log>
2222241	IPG BOARD LEVEL DIAGS FAILURE\n The SPU DPR address line test from the 68020 failed.\n Check the address bus or the 68020-SPU DPR chip on the IPG board.\n address : %08xH\n written: %08xH\n expected: %08xH\n actual: %08xH		<myhost,svr,log>
2222242	IPG BOARD LEVEL DIAGS FAILURE\n The 68020 could not access the SPI DPR.\n Check that the 68020-SPI DPR chip is mounted correctly on the IPG board.\n address accessed : %08xH		<myhost,svr,log>
2222243	IPG BOARD LEVEL DIAGS FAILURE\n The SPI DPR pattern test from the 68020 failed.\n Check the 68020-SPI DPR chip on the IPG board.\n address : %08xH\n written: %08xH\n expected: %08xH\n actual: %08xH		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222244	IPG BOARD LEVEL DIAGS FAILURE\n The SPI DPR address line test from the 68020 failed.\n Check the address bus or the 68020-SPI DPR chip on the IPG board.\n address : %08xH\n written: %08xH\n expected: %08xH\n actual: %08xH		<myhost,svr,log>
2222245	IPG BOARD LEVEL DIAGS FAILURE\n The 68020 could not access the WARP DPR.\n Check that the 68020-WARP DPR chip is mounted correctly on the IPG board.\n address accessed : %08xH		<myhost,svr,log>
2222246	IPG BOARD LEVEL DIAGS FAILURE\n The WARP DPR pattern test from the 68020 failed.\n Check the 68020-WARP DPR chip on the IPG board.\n address : %08xH\n written: %08xH\n expected: %08xH\n actual: %08xH		<myhost,svr,log>
2222247	IPG BOARD LEVEL DIAGS FAILURE\n The WARP DPR address line test from the 68020 failed.\n Check the address bus or the 68020-WARP DPR chip on the IPG board.\n address : %08xH\n written: %08xH\n expected: %08xH\n actual: %08xH		<myhost,svr,log>
2222248	IPG BOARD LEVEL DIAGS FAILURE\n The 68020 could not access Sequencer RAM.\n Check that the Sequencer RAM is mounted correctly on the IPG board.\n address accessed : %08xH		<myhost,svr,log>
2222249	IPG BOARD LEVEL DIAGS FAILURE\n The Sequencer RAM pattern test failed.\n Check the Sequencer RAM chip for the specified address.\n address : %08xH\n written: %08xH\n expected: %08xH\n actual: %08xH		<myhost,svr,log>
2222250	IPG BOARD LEVEL DIAGS FAILURE\n The Sequencer RAM address line test from the 68020 failed.\n Check the address bus or the Sequencer RAM on the IPG board.\n address : %08xH\n written: %08xH\n expected: %08xH\n actual: %08xH		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222251	IPG BOARD LEVEL DIAGS FAILURE\n The SPU did not set the expected pattern in the last address of the\n 68020-SPU sync test. SPU processing may be slowed or there may be\n bus contention on the 020-SPU DPR.\n address : %08xH\n expected: %08xH\n actual: %08xH		<myhost,svr,log>
2222252	IPG BOARD LEVEL DIAGS FAILURE\n The 020-SPU sync test failed, indicating possible bus contention on the\n 020-SPU DPR chip on the IPG board. Run the SPU DPR and SPU local tests.\n address : %08xH\n expected: %08xH\n actual: %08xH		<myhost,svr,log>
2222253	IPG BOARD LEVEL DIAGS FAILURE\n The SPI did not set the expected pattern in the last address of the\n 68020-SPI sync test. SPI processing may be slowed or there may be\n bus contention on the 020-SPI DPR.\n address : %08xH\n expected: %08xH\n actual: %08xH		<myhost,svr,log>
2222254	IPG BOARD LEVEL DIAGS FAILURE\n The 020-SPI sync test failed, indicating possible bus contention on the\n 020-SPI DPR chip on the IPG board. Run the SPI DPR and SPI local tests.\n address : %08xH\n expected: %08xH\n actual: %08xH		<myhost,svr,log>
2222255	IPG BOARD LEVEL DIAGS FAILURE\n 68020 to SPU interrupt error. The SPU did not receive the\n correct number of interrupts from the 68020.\n Number of interrupts received : %d\n Number of interrupts expected : 1\n Check the 68020-SPU DPR or the SPU C30.		<svr,myhost,log>
2222256	IPG BOARD LEVEL DIAGS FAILURE\n SPU to 68020 interrupt test - The 68020 did not receive the\n correct number of interrupts from the SPU.\n Number of interrupts received : %d\n Number of interrupts expected : 1		<svr,myhost,log>
2222257	IPG BOARD LEVEL DIAGS FAILURE\n 68020 to SPI interrupt test - The SPI did not receive the\n correct number of interrupts from the 68020.\n Number of interrupts received : %d\n Number of interrupts expected : 1		<svr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222258	IPG BOARD LEVEL DIAGS FAILURE\n\nSPI to 68020 interrupt test - The 68020 did not receive the\n\ncorrect number of interrupts from the SPI.\n\nNumber of interrupts received : %d\n\nNumber of interrupts expected : 1		<srv,myhost,log>
2222259	IPG BOARD LEVEL DIAGS FAILURE\n\n68020 to WARP interrupt error. The WARP did not receive the\n\ncorrect number of interrupts from the 68020.\n\nNumber of interrupts received : %d\n\nNumber of interrupts expected : 1\n\nCheck the 68020-WARP DPR or the WARP C30.		<srv,myhost,log>
2222260	IPG BOARD LEVEL DIAGS FAILURE\n\nWARP to 68020 interrupt test. The 68020 did not receive the\n\ncorrect number of interrupts from the WARP.\n\nNumber of interrupts received : %d\n\nNumber of interrupts expected : 1		<srv,myhost,log>
2222261	IPG BOARD LEVEL DIAGS FAILURE\n\nSPU to SPI interrupt test - The SPI did not receive the\n\ncorrect number of interrupts from the SPU.\n\nNumber of interrupts received : %d\n\nNumber of interrupts expected : 1		<srv,myhost,log>
2222262	IPG BOARD LEVEL DIAGS FAILURE\n\nSPI to SPU interrupt error. The SPU did not receive the\n\ncorrect number of interrupts from the SPI.\n\nNumber of interrupts received : %d\n\nNumber of interrupts expected : 1		<srv,myhost,log>
2222263	IPG BOARD LEVEL DIAGS FAILURE\n\nSPI interface timeout - the SPI did not communicate with the IPG 020\n\nfor %d seconds during MDS testing. The SPI may have stopped running.\n\nRerun the test, or run SPI Local diags.		<srv,myhost,log>
2222264	IPG BOARD LEVEL DIAGS FAILURE\n\nIPG DRAM Test - an allocation request of DRAM for testing failed.\n\nMemory may be too fragmented. Reset TPS and try again.\n\nNumber of bytes requested for test : %d		<srv,myhost,log>
2222265	IPG BOARD LEVEL DIAGS FAILURE\n\nIPG SPU to 68020 Bus Contention test failed. Check the SPU-020 DPR.\n\nAddress : %08xH\n\nValid pattern 1 : %08xH\n\nValid pattern 2 : %08xH\n\nPattern Read : %08xH		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222266	IPG BOARD LEVEL DIAGS FAILURE\n IPG DRAM walking 1s and 0s test failed.\n Pattern Written: %08xH\n Pattern Expected: %08xH\n Pattern Read: %08xH\n Address: %08xH		<srv,myhost,log>
2222267	IPG BOARD LEVEL DIAGS FAILURE\n IPG Sequencer RAM walking 1s and 0s test failed.\n Pattern Written: %08xH\n Pattern Expected: %08xH\n Pattern Read: %08xH\n Address: %08xH		<srv,myhost,log>
2222268	IPG BOARD LEVEL DIAGS FAILURE\n IPG SPU DPR failed walking 1s and 0s test from the IPG 68020.\n Pattern Written: %08xH\n Pattern Expected: %08xH\n Pattern Read: %08xH\n Address: %08xH		<srv,myhost,log>
2222269	IPG BOARD LEVEL DIAGS FAILURE\n IPG SPI DPR failed walking 1s and 0s test from the IPG 68020.\n Pattern Written: %08xH\n Pattern Expected: %08xH\n Pattern Read: %08xH\n Address: %08xH		<srv,myhost,log>
2222270	IPG BOARD LEVEL DIAGS FAILURE\n IPG WARP DPR failed walking 1s and 0s test from the IPG 68020.\n Pattern Written: %08xH\n Pattern Expected: %08xH\n Pattern Read: %08xH\n Address: %08xH		<srv,myhost,log>
2222271	IPG BOARD LEVEL DIAGS FAILURE\n EOS Timer Test - The EOS timer was not started after the sequencer\n finished playing out the waveform.		<srv,myhost,log>
2222272	IPG BOARD LEVEL DIAGS FAILURE\n EOS Timer Test - The EOS timer did not stop after the programmed time\n of 200 microseconds.		<srv,myhost,log>
2222273	IPG Diags - EOS Timer test failed.\n The EOS timer did not run for the expected length of time.\n Expected: %d +/- %d Actual: %d usecs		<srv,myhost,log>
2222274	IPG BOARD LEVEL DIAGS FAILURE\n EOS Timer Test - While the EOS timer is running, an EOS interrupt is\n supposed to occur. This interrupt did not get serviced during the EOS\n timer duration.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222275	IPG BOARD LEVEL DIAGS FAILURE\n\nPCT Timer Test - The SSI interrupt did not occur, which prevented the PCT\n\ntimer from starting.		<srv,myhost,log>
2222276	IPG BOARD LEVEL DIAGS FAILURE\n\nPCT Timer Test - The T250 interrupt did not occur, which prevented the PCT\n\ntimer from stopping.		<srv,myhost,log>
2222277	IPG Diags - PCT Timer test failed\n\nThe PCT timer did not run for the expected length of time.\n\nExpected: %d +/- %d Actual: %d usecs\n\nThis is a known intermittent hardware condition and\n\nthis failure should be ignored.		<srv,myhost,log>
2222278	IPG DIAGNOSTICS STATUS MESSAGE\n\nThe IPG diags exec has begun execution of the %s Diagnostics.\n\n(command word received = %08xH ; Loop mode = %d)		<myhost,prg,log>
2222279	IPG BOARD LEVEL DIAGS FAILURE\n\nSSI Trigger Test - Line Trigger\n\nThe number of SSI interrupts did not match the line frequency\n\nindicated in the MRconfig file.\n\nLineFreq (shown in file): %d Hz\n\nActual: %d Hz		<srv,myhost,log>
2222280	IPG BOARD LEVEL DIAGS FAILURE\n\nSSI Trigger Test - Physiological Gating Trigger\n\nThe number of SSI interrupts did not match SPU Timer 0.\n\nSPU Timer 0: %d Hz\n\nActual: %d Hz		<srv,myhost,log>
2222281	IPG BOARD LEVEL DIAGS FAILURE\n\nSSI Trigger Test - Self Trigger\n\nThe number of SSI interrupts did not match for Self Triggered.\n\nExpected: %d Hz\n\nActual: %d Hz		<srv,myhost,log>
2222282	IPG BOARD LEVEL DIAGS MESSAGE\n\nSSI Trigger Test - Line Trigger\n\nNo line frequency is available. Line Gating trigger could not be checked.		<srv,myhost,log>
2222283	IPG BOARD LEVEL DIAGS FAILURE\n\nSSI Trigger Test - Physiological Gating Trigger\n\nUnable to load SPU driver file from host to SPU. Physiological\n\nGating trigger could not be tested. Run SPU Diags.		<srv,myhost,log>
2222284	IPG DIAGS EXEC ERROR\n\nUnable to allocate IPG CPU space to read MRconfig.cfg data.\n\nCPU memory may be too fragmented. Please re-run the diags.		<srv,myhost,log>
2222285	IPG DIAGS - SYSTEM CONFIG FILE ERROR\n\nUnable to open the /w/config/MRconfig.cfg file. The file may be\n\nnon-existent or corrupted. Verify the file's existence and repeat\n\nLFC, if necessary.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222286	IPG DIAGS - SYSTEM CONFIG FILE ERROR\n The resource %s was not found in the /w/config/MRconfig.cfg file.\n The file may be corrupted. Please check and repeat LFC, if necessary.		<srv,myhost,log>
2222287	IPG DIAGS - SYSTEM CONFIG FILE ERROR\n The value for the resource %s found in the /w/config/MRconfig.cfg\n file is not valid. Please edit the file and enter a valid value.\n invalid value found : %d		<srv,myhost,log>
2222288	IPG BOARD LEVEL DIAGS FAILURE\n IPG External Clock Test - The TPS CPU file required for the clock comparison\n did not respond after it was downloaded. The clock comparison could not be\n performed.		<prg,myhost,log>
2222289	IPG BOARD LEVEL DIAGS FAILURE\n IPG External Clock Test - The Exciter board is not present so the clock\n signal for the IPG is being generated internally. Communication with the\n IPG peripherals may be affected.		<srv,myhost,log>
2222290	IPG BOARD LEVEL DIAGS FAILURE\n IPG External Clock Test - The TPS and IPG 68020 are running at different\n clock rates.\n Number of ticks counted on the IPG : %d\n Number of ticks counted on the TPS : %d		<srv,myhost,log>
2222291	IPG BOARD LEVEL DIAGS FAILURE\n IPG External Clock Test - The rate of system clock ticks is set\n differently on the TPS and IPG 68020 CPUs.\n System clock rate set on the IPG : %d\n System clock rate set on the TPS : %d		<prg,myhost,log>
2222292	IPG BOARD LEVEL DIAGS FAILURE\n WARP-SPU Gradient Data Register Test - The pattern written to the WARP\n %c register did not match the pattern read from the SPU %c register.\n WARP pattern written: %xH\n SPU pattern read: %xH		<myhost,srv,log>
2222293	IPG BOARD LEVEL DIAGS FAILURE\n The IPG diags exec was unable to open the /w/config/ipg_stage file.\n Diagnostics were not run. The file may be non-existent or corrupted,\n or a network problem may exist.		<myhost,srv,log>
2222294	IPG BOARD LEVEL DIAGS SOFTWARE ERROR\n The IPG diags function id_check_stage was called before a successful\n call to id_init_stage. IPG stage information is not available.		<myhost,prg,log>
2222295	IPG BOARD LEVEL DIAGS SOFTWARE ERROR\n The IPG diags function id_check_stage was called with a letter that\n was found in the ipg_stage file, but whose meaning isn't known to the\n function. The function needs to be updated.\n stage letter : %c		<myhost,prg,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222296	IPG BOARD LEVEL DIAGS STAGING MESSAGE\n The file /w/config/ipg_stage indicates that the %s is being staged.\n Diagnostics are not run on staged hardware. If the %s is present,\n please edit the ipg_stage file to enable %s diags.		<myhost,prg,log>
2222297	IPG BOARD LEVEL DIAGS FAILURE\n IPG Warp-SPU gradient data link test failed. The loopback\n gradient data from the SPU is not correct.\n Axis: %d (0=X 1=Y 2=Z)\n Data Exp: %xH\n Data Read: %xH		<srv,myhost,log>
2222298	IPG BOARD LEVEL DIAGS FAILURE\n IPG WARP-SPI gradient data link test failed. The gradient\n data read from the GAP or GIP is not correct. Check GAP\n or GIP gradient data clock timing.\n Axis: %d (0=X 1=Y 2=Z)\n Data Exp: %xH\n Data Read: %xH		<srv,myhost,log>
2222299	IPG BOARD LEVEL DIAGS MESSAGE\n The IPG received %d unexpected watchdog interrupts from the SPI, although\n the SPI software was writing to the SPI watchdog location. The SPI watchdog\n circuitry may not be working correctly.		<srv,myhost,log>
2222300	IPG BOARD LEVEL DIAGS FAILURE\n The IPG SPI watchdog interrupt was not received by the IPG 020\n although the SPI was not resetting the watchdog at the correct\n intervals. Check the SPI watchdog circuitry.		<srv,myhost,log>
2222301	IPG BOARD LEVEL DIAGS FAILURE\n IPG WARP-SPI gradient data link test failed. Detected framing\n and/or clock stop errors from the GAP or GIP. Check gradient fiber\n optics and the GAP or GIP board.\n Framing errors = %d\n Clock Stop errors = %d		<srv,myhost,log>
2222302	IPG BOARD LEVEL DIAGS FAILURE\n The SPG Timing test did not receive framing errors that the IPG generated\n and the SPG should have detected. Check the SPG PAL.		<srv,myhost,log>
2222303	IPG BOARD LEVEL DIAGS FAILURE\n The SPG Timing test failed. The gradient data read from the SPG is\n not correct. Check gradient fiber optics and the SPG.\n Axis: %d (0=X 1=Y 2=Z)\n Data Exp: %xH\n Data Read: %xH		<srv,myhost,log>
2222304	GAP/GIP Framing Error/Clock Stop Test Failure.\n The GAP/GIP failed to detect and/or report a Framing error during\n each pass of this test.\n Framing Errors Detected: %d\n Framing Errors Expected: %d		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222305	GAP/GIP FE/Cik Stop Test Failed\ GAP/GIP failed to detect a Clock Stop error.\ NOTE : This test is only valid if run by itself immediately after\ TPS Reset! HW issue affects this test only. If this test is run\ with other IPG tests, ignore this failure!		<srv,myhost,log>
2222306	IPG DIAGS EXEC ERROR\ Unable to allocate IPG CPU space to read GradientConfig.cfg data.\ CPU memory may be too fragmented. Please re-run the diags.		<srv,myhost,log>
2222307	IPG DIAGS - GRADIENT CONFIG FILE ERROR\ Unable to open the /w/config/GradientConfig.cfg file. File may be\ non-existent or corrupted. Verify the file's existence and repeat\ LFC, if necessary.		<srv,myhost,log>
2222308	IPG DIAGS - GRADIENT CONFIG FILE ERROR\ Unable to close the /w/config/GradientConfig.cfg file.\ Please Reset TPS and try again.		<srv,myhost,log>
2222309	IPG DIAGS - GRADIENT CONFIG FILE ERROR\ The SRMode resource was not found in /w/config/GradientConfig.cfg file.\ The file may be corrupted. Please check and repeat LFC, if necessary.		<srv,myhost,log>
2222310	The selected test(s) cannot be run due to a problem accessing either\ the MRconfig.cfg or GradientConfig.cfg file.		<srv,myhost,log>
2222311	The ICONTROL Mode test is not available with the current Gradient\ Configuration. This test is not defined for systems with a GIP.		<srv,myhost,log>
2222312	The selected test(s) cannot be run because the gradientAmp value\ in the MRconfig.cfg file does not match the actual hardware detected.\ Please exit diagnostics and update the MRconfig.cfg file.\ Value in MRConfig.cfg file: %d\ Hardware Detected: %d		<srv,myhost,log>
2222313	The selected test(s) is not available for the gradient hardware\ detected by IPG.\ Hardware Detected: %d		<srv,myhost,log>
2222314	The LCA file needed for this board ID was not found. Check to make \ sure that the file exist on the host. \ Board ID == %04xH \ LCA file needed == %s		<srv,myhost,log>
2222315	IPG DIAGS - GRADIENT CONFIG FILE ERROR\ The GCoilType resource was not found in /w/config/GradientConfig.cfg file.\ The file may be corrupted. Please check and repeat LFC, if necessary.		<srv,myhost,log>
2222330	IPG BOARD DIAGNOSTICS.\ IPG Peripheral Loader failed to download the file to the SPI.\ File Name: %s		<srv,myhost,log>
2222331	IPG BOARD - SPI ERROR.\ Downloading to SPI was successful but SPI didn't respond while executing \ application.		<srv,myhost,log>
2222332	IPG BOARD - SPI ERROR.\ SPI is not responding at all.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222333	IPG DIAGS - SPI DRIVER TIMEOUT ERROR.\n\nThe SPI did not respond to a diags command from the IPG CPU. This probably\n\nindicates a software problem, but SPI Local diags should be run to confirm\n\nthat the SPI hardware is OK.		<srv,myhost,log>
2222334	IPG BOARD - SPI LOCAL TEST ERROR.\n\nUnexpected UART interrupt occurred.\n\nChannel: %d\n\nNo. of xmit interrupts: %d (Expected = 0)\n\nNo. of rcv interrupts: %d (Expected = 0)		<srv,myhost,log>
2222335	IPG BOARD - SPI LOCAL TEST ERROR.\n\nSPI processor detected a pattern error in IPG 020-SPI DPR. \n\nPattern read does not match the pattern written by SPI.\n\nPattern Written: %08xH\n\nPattern Expected: %08xH\n\nPattern Read: %08xH\n\nAddress: %08xH		<srv,myhost,log>
2222336	IPG BOARD - SPI LOCAL TEST ERROR.\n\nSPI processor detected a pattern error in IPG 020-SPI DPR. \n\nPattern read does not match the pattern written by SPI.\n\nPattern Written: %08xH\n\nPattern Expected: %08xH\n\nPattern Read: %08xH\n\nAddress: %08xH		<srv,myhost,log>
2222337	IPG BOARD - SPI LOCAL TEST ERROR.\n\nSPI Static RAM Pattern Test failed. \n\nPattern read does not match the pattern written by SPI.\n\nPattern Written: %08xH\n\nPattern Expected: %08xH\n\nPattern Read: %08xH\n\nAddress: %08xH		<srv,myhost,log>
2222338	IPG BOARD - SPI LOCAL TEST ERROR.\n\nSPI Static RAM Address test failed. \n\nPattern read does not match the pattern written by SPI.\n\nPattern Written: %08xH\n\nPattern Expected: %08xH\n\nPattern Read: %08xH\n\nAddress: %08xH		<srv,myhost,log>
2222339	IPG BOARD - SPI LOCAL TEST ERROR.\n\nSPI Static RAM Walking 1's and 0's test failed. \n\nPattern read by SPI does not match the pattern it wrote.\n\nPattern Written: %08xH\n\nPattern Expected: %08xH\n\nPattern Read: %08xH\n\nAddress: %08xH		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222340	IPG BOARD - SPI LOCAL TEST ERROR.\n\ SPI-SPU DPR Pattern Test from SPI failed. \ Pattern read by SPI does not match the pattern it wrote.\n\ Pattern Written: %08xH\n\ Pattern Expected: %08xH\n\ Pattern Read: %08xH\n\ Address: %08xH		<srv,myhost,log>
2222341	IPG BOARD - SPI LOCAL TEST ERROR.\n\ SPI-SPU DPR Address test from SPI failed. \ Pattern read by SPI does not match the pattern it wrote.\n\ Pattern Written: %08xH\n\ Pattern Expected: %08xH\n\ Pattern Read: %08xH\n\ Address: %08xH		<srv,myhost,log>
2222342	IPG BOARD - SPI LOCAL TEST ERROR.\n\ UART timed out. The UART did not get set \ in the receive mode in a fixed time period\n\ Channel No: %d		<srv,myhost,log>
2222343	IPG BOARD - SPI LOCAL TEST ERROR.\n\ UART timed out. The UART did not get set \ in the transmit mode in a fixed time period\n\ Channel No: %d		<srv,myhost,log>
2222344	IPG BOARD - SPI LOCAL TEST ERROR.\n\ UART internal lpbck test failed. \ Pattern written to the port does not match the pattern \ read back. Please check the UART chip.\n\ Channel No: %d\n\ Pattern Written: %08xH\n\ Pattern Expctd: %08xH\n\ Pattern Read: %08xH\n\ %b		<srv,myhost,log>
2222345	IPG BOARD - SPI LOCAL TEST ERROR.\n\ UART Transmit Interrupt Error.\n\ Channel No.: %d\n\ No of xmit interrupts: %d (Expected = 2)\n\ %b		<srv,myhost,log>
2222346	IPG BOARD - SPI LOCAL TEST ERROR.\n\ UART Receive Interrupt Error. \ UART was set in loopback mode and a character \ was sent out.\n\ Channel No.: %d\n\ No of xmit interrupts: %d (Expected = 2)\n\ No of rcv interrupts: %d (Expected = 1)		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222347	IPG BOARD - SPI LOCAL TEST ERROR.\n\nUART Interrupt Error. Pattern sent out was not same as pattern received.\n\nChannel No.: %d\n\nPattern Sent: %08xH\n\nPattern Expected: %08xH\n\nPattern Read: %08xH		<srv,myhost,log>
2222348	IPG BOARD - SPI LOCAL TEST ERROR.\n\nUART Interrupt Error. \n\nAll interrupts on UART channels were generated but they were not logged \n\nChannel No.: %d\n\nNo of xmit interrupts: %d (Expected = 2)\n\nNo of rcv interrupts: %d (Expected = 1)		<srv,myhost,log>
2222349	IPG BOARD - SPI GCP LPBK ERROR.\n\nPattern sent to Genesis Console Processor by SPI was not the same as \n\npattern received.\n\nChannel No.: %d\n\nPattern Sent: %08xH\n\nPattern Expected: %08xH\n\nPattern Read: %08xH\n\nHW Used: TPS IPG,TYME,GCP,Cables		<srv,myhost,log>
2222350	IPG BOARD - SPI GCP LOOPBACK ERROR.\n\nSPI UART channel connected to Genesis Console Processor timed out. \n\nUART channel did not get set in the transmit mode in a fixed time period.\n\nChannel No.: %d		<srv,myhost,log>
2222351	IPG BOARD - SPI GCP LOOPBACK ERROR.\n\nSPI UART channel connected to Genesis Console Processor timed out. \n\nUART channel did not get set in the receive mode in a fixed time period.\n\nChannel No.: %d		<srv,myhost,log>
2222352	IPG BOARD - SPI LOOPBACK ERROR\n\nSPI did not receive any loopback data from the indicated peripheral.\n\nChannel No.: %d (1=SRI, 2=WIM)		<srv,myhost,log>
2222353	IPG BOARD - SPI ERROR.\n\nSPI failed to acknowledge. \n\nThe IPG peripheral loader loaded OK but SPI ready signal \n\ndid not get set.		<srv,myhost,log>
2222354	IPG BOARD - SPI-IPG CPU SYNC TEST ERROR.\n\nSPI IPG CPU DPR synchronous test failed. \n\nSPI processor could not verify the pattern written by IPG CPU.\n\nPattern Written: %08xH\n\nPattern Expected: %08xH\n\nPattern Read: %08xH\n\nAddress: %08xH		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222355	IPG BOARD - SPI-SPU SYNC TEST ERROR.\n\nSPI-SPU DPR synchronous access test failed. \n\nSPI processor detected a pattern error in the SPI-SPU DPR.\n\nPattern Written: %08xH\n\nPattern Expected: %08xH\n\nPattern Read: %08xH\n\nAddress: %08xH		<srv,myhost,log>
2222356	IPG BOARD - SPI-SPU SYNC TEST ERROR.\n\nSPI-SPU DPR synchronous access test failed. \n\nSPU was not done writing patterns when SPI was done.		<srv,myhost,log>
2222357	IPG BOARD - SPI TYME LPBK ERROR.\n\nSPI TYME Lpbk error. Pattern written to the port \n\ndidn't match the pattern read back from the TYME card interface.\n\nChannel No.: %d\n\nPattern Written: %08xH\n\nPattern Expctd: %08xH\n\nPattern Read: %08xH\n\nHW Used:IPG,TYME		<srv,myhost,log>
2222358	IPG BOARD - SPI LOCAL TEST ERROR.\n\nSPI Timer Error. Timer1, a 16-bit free running timer on the SPI, \n\nis not running.		<srv,myhost,log>
2222359	IPG BOARD - SPT LOCAL TEST ERROR.\n\nSW timer interrupt failed.\n\nTimer0 Ints:%d (Expctd=1)\n\nTimer1 Ints:%d (Expctd=1)\n\nTimer2 Ints:%d (Expctd=1)\n\nTimer3 Ints:%d (Expctd=1)		<srv,myhost,log>
2222360	IPG BOARD - SPI-IPG 020 SYNC TEST ERROR.\n\nSPI-020 Bus Contention Error. IPG 020 alternately wrote a \n\npattern and its complement to a \n\nlocation in SPI DPR. SPI read a different pattern.\n\nPattern Expctd: %08xH or %08xH\n\nPattern Read: %08xH\n\nAddress: %08xH		<srv,myhost,log>
2222361	IPG BOARD - SPI-SPU SYNC TEST ERROR.\n\nSPI-SPU Bus Contention Error. SPU alternately wrote a pattern and its\n\ncomplement to a location in SPI-SPU DPR. SPI read a different pattern.\n\nPattern Expected: %08xH or %08xH\n\nPattern Read: %08xH\n\nAddress: %08xH		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222362	IPG BOARD - SPTLOCAL TEST ERROR.\n SPI-SPU DPR Walking 1's and 0's test from SPI failed. \ Pattern read does not match pattern written.\n\ Pattern Written: %08xH\n\ Pattern Expected: %08xH\n\ Pattern Read: %08xH\n\ Address: %08xH		<srv,myhost,log>
2222363	IPG BOARD - SPTLOCAL TEST ERROR.\n 020-SPI DPR Walking 1's and 0's test from SPI failed. \ Pattern read does not match pattern written.\n\ Pattern Written: %08xH\n\ Pattern Expected: %08xH\n\ Pattern Read: %08xH\n\ Address: %08xH		<srv,myhost,log>
2222364	Possible Causes: Stuck latch on the SPI Interrupt Controller.\n\ Possible Solutions: Cycle power on the TPS chassis.		<srv,myhost,log>
2222365	NOTE: This failure may indicate a known but minor SPI UART problem \ that is being corrected on future IPG boards. If no other error \ related to the UART or SPI-SRI communications is indicated by \ applications or diags, this UART failure CAN be ignored.		<srv,myhost,log>
2222380	TPS IPG BOARD - DIAGNOSTICS EXECUTIVE\n\ Software Error: IPG 020 CPU detected an invalid peripheral ID.\n\ Peripheral ID (2=SPU, 3=WARP): %d		<myhost,prg,log>
2222381	TPS IPG BOARD - %s DIAGNOSTICS EXECUTIVE\n\ Software Error: IPG 020 CPU received an unexpected ERROR from the C30 CPU.\n\ Command Number: %d		<myhost,prg,log>
2222382	TPS IPG BOARD - %s DIAGNOSTICS EXECUTIVE\n\ Software Error: IPG 020 CPU detected an invalid test bit.\n\ Test Bit: %d		<myhost,prg,log>
2222383	TPS IPG BOARD - %s DIAGNOSTICS EXECUTIVE\n\ Software Error: No tests were selected in the IPG 020 CPU command word.		<myhost,prg,log>
2222384	TPS IPG BOARD - %s DIAGNOSTICS EXECUTIVE\n\ Software Error: C30 CPU detected an invalid command.\n\ Command number: %d\n\ Argument count: %d		<myhost,prg,log>
2222385	TPS IPG BOARD - %s DIAGNOSTICS EXECUTIVE\n\ C30 CPU failed to respond to IPG 020 CPU command.\n\ Command Number: %d		<myhost,svr,log>
2222386	TPS IPG BOARD - %s DIAGNOSTICS EXECUTIVE\n\ C30 CPU detected an unexpected interrupt.\n\ Interrupt Flag Register: %08xH		<myhost,svr,log>
2222387	TPS IPG BOARD - %s DRIVER CALLS\n\ C30 CPU serial port failed to transmit previous data.\n\ Serial port number: %d		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222388	TPS IPG BOARD - %s LOCAL TEST\n\ C30 CPU/IPG 020 CPU DPR Test failed pattern check.\n\ Address: %08xH\n\ Written: %08xH\n\ Expected: %08xH\n\ Actual: %08xH		<myhost,svr,log>
2222389	TPS IPG BOARD - %s LOCAL TEST\n\ C30 CPU/IPG 020 CPU DPR Test failed address check.\n\ Address: %08xH\n\ Written: %08xH\n\ Expected: %08xH\n\ Actual: %08xH		<myhost,svr,log>
2222390	TPS IPG BOARD - %s LOCAL TEST\n\ C30 CPU/IPG 020 CPU DPR Test failed walking 1's/0's test.\n\ Address: %08xH\n\ Written: %08xH\n\ Expected: %08xH\n\ Actual: %08xH		<myhost,svr,log>
2222391	TPS IPG BOARD - %s LOCAL TEST\n\ C30 CPU Internal RAM Test failed pattern check.\n\ Address: %08xH\n\ Written: %08xH\n\ Expected: %08xH\n\ Actual: %08xH		<myhost,svr,log>
2222392	TPS IPG BOARD - %s LOCAL TEST\n\ C30 CPU Internal RAM Test failed address check.\n\ Address: %08xH\n\ Written: %08xH\n\ Expected: %08xH\n\ Actual: %08xH		<myhost,svr,log>
2222393	TPS IPG BOARD - %s LOCAL TEST\n\ C30 CPU Internal RAM Test failed walking 1's/0's test.\n\ Address: %08xH\n\ Written: %08xH\n\ Expected: %08xH\n\ Actual: %08xH		<myhost,svr,log>
2222394	TPS IPG BOARD - %s LOCAL TEST\n\ C30 CPU Interrupt Test failed.\n\ Non-zero value in the Interrupt Flag Register due to\n\ unexpected external interrupts.\n\ Interrupt Flag Register: %08xH		<myhost,svr,log>
2222395	TPS IPG BOARD - %s LOCAL TEST\n\ C30 CPU Interrupt Test failed to disable interrupts in the C30 CPU.\n\ Number of Interrupts Expected: %d\n\ Number of Interrupts Received: %d		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222396	TPS IPG BOARD - %s LOCAL TEST\n\ C30 CPU Interrupt Test failed to generate or receive a C30 CPU interrupt.\n\ Number of Interrupts Expected: %d\n\ Number of Interrupts Received: %d		<myhost,svr,log>
2222397	TPS IPG BOARD - %s LOCAL TEST\n\ C30 CPU Interrupt Test failed.\n\ C30 CPU Interrupt Flag Register bit did not get cleared.\n\ Interrupt Flag Register: %08xH		<myhost,svr,log>
2222398	TPS IPG BOARD - %s LOCAL TEST\n\ C30 CPU Interrupt Test failed.\n\ Global Interrupt Enable bit of the C30 CPU Status Register\n\ should not have been cleared.\n\ Status Register: %08xH		<myhost,svr,log>
2222399	TPS IPG BOARD - %s LOCAL TEST\n\ C30 CPU Timer Test failed.\n\ C30 CPU timer counter register failed to increment linearly.\n\ Timer Number: %d\n\ Initial Count: %d\n\ Counter increase: %d\n\ Limit: %d		<myhost,svr,log>
2222400	TPS IPG BOARD - %s LOCAL TEST\n\ C30 CPU Timer Test failed to generate a C30 CPU timer interrupt.\n\ Timer Number: %d		<myhost,svr,log>
2222401	TPS IPG BOARD - %s LOCAL TEST\n\ C30 CPU Timer Test failed.\n\ C30 CPU timers failed to interrupt at programmed rates.\n\ Timer 0 Interrupt Count: %d\n\ Timer 1 Interrupt Count: %d		<myhost,svr,log>
2222402	TPS IPG BOARD - %s LOCAL TEST\n\ C30 CPU DMA Test failed.\n\ Value in DMA Transfer Counter Register was NOT zero.\n\ All data was NOT transferred.\n\ DMA Transfer Count: %d		<myhost,svr,log>
2222403	TPS IPG BOARD - %s LOCAL TEST\n\ C30 CPU DMA Test failed DMA transfer in INCREMENT mode.\n\ Address: %08xH\n\ Written: %08xH\n\ Expected: %08xH\n\ Actual: %08xH		<myhost,svr,log>
2222404	TPS IPG BOARD - %s LOCAL TEST\n\ C30 CPU DMA Test failed to generate or receive a DMA interrupt.\n\ Number of Interrupts Expected: %d\n\ Number of Interrupts Received: %d		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222405	TPS IPG BOARD - %s LOCAL TEST\n\ C30 CPU DMA Test failed DMA transfer in SYNCHRONIZED mode.\n\ Expected Transfer count: %d\n\ Actual Transfer count: %d		<myhost,svr,log>
2222420	SRI BOARD ERROR.\n\ SRI Timed out waiting for a character.\n\ Character Sent: %08x\n\ Character Expected: %08x\n\ Character Received: %08x		<svr,myhost,log>
2222421	SRI PWM TEST ERROR.\n\ Encoder voltage read on the port pin (P0.5) from the filter was not the voltage expected. \ Voltage Expected: %.2fV (+/- 10 percent)\n\ Voltage Read: %.2fV		<svr,myhost,log>
2222422	SRI LOCAL TEST ERROR.\n\ The pattern written to the SRI RAM was not same as the pattern read. \ Pattern Written: %08xH\n\ Pattern Expected: %08xH\n\ Pattern Read: %08xH\n\ Address: %08xH		<svr,myhost,log>
2222423	SRI BOARD ERROR.\n\ 4 bytes of data were sent one after the other (stream line of data). \ Inverted patterns in the same order were expected.\n\ Data Patterns received were not the same as expected.		<svr,myhost,log>
2222424	SRI EXTENDED RAM TEST ERROR.\n\ Failure detected during the pattern test on SRI Extended RAM. \ Pattern written was not same as Pattern read.\n\ Pattern Written: %08xH\n\ Pattern Expected: %08xH\n\ Pattern Read: %08xH\n\ Address: %08xH		<svr,myhost,log>
2222425	SRI EXTENDED RAM TEST ERROR.\n\ Failure detected during the address test on SRI Extended RAM. \ The address written in the location was not the same as address read.\n\ Address Written: %08xH\n\ Address Expected: %08xH\n\ Address Read: %08xH\n\ Address: %08xH		<svr,myhost,log>
2222426	SRI ENCODER VOLTAGE TEST ERROR.\n\ SRI +5V power supply voltage out of range. Problem could be due to \ incorrect setting of power supply series resistor.\n\ Expected Range = 4.7V-5.0V\n\ Value Read = %.2fV		<svr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222427	SRI LOCAL TEST ERROR.\n\ Register Test failure. Diagnostic register should have read complement of \ the pattern written to it.\n\ Pattern Written: %08xH\n\ Pattern Expected: %08xH\n\ Pattern Read: %08xH\n\ Address: %08xH		<srv,myhost,log>
2222428	SRI LOCAL TEST ERROR.\n\ EPROM Checksum Error. Checksum expected was not equal to checksum \ calculated.\n\ Checksum Expected: %08xH\n\ Checksum Calculated: %08xH		<srv,myhost,log>
2222429	SRI PWM TEST ERROR.\n\ The 80C196 A/D converter did not complete the conversion \ in the allotted time.		<srv,myhost,log>
2222430	SRI ENCODER VOLTAGE TEST ERROR.\n\ The 80C196 A/D converter did not complete the conversion \ in the allotted time.		<srv,myhost,log>
2222445	IPG DIAG - SPI-SRI LPBK TEST ERROR.\n\ Character sent by SPI is not the same as \ echoed by SRI.\n\ Channel: %d\n\ Pattern Sent: %08xH\n\ Pattern Expctd: %08xH\n\ Pattern Rcvd: %08xH\n\ HW Used:IPG,TYME,SRI,Cables		<srv,myhost,log>
2222446	IPG DIAG - SPI-SRI LPBK TEST ERROR.\n\ A stream of contiguous data (4 bytes) was sent from SPI to SRI.\n\ Data sent out did not match data received.\n\ Channel: %d\n\ Pattern Sent: %08xH\n\ Pattern Expctd: %08xH\n\ Pattern Rcvd: %08xH\n\ HW Used:IPG,TYME,SRI,Cables		<srv,myhost,log>
2222447	IPG DIAG - SRI CRADLE MOTION TEST ERROR.\n\ Cradle did not move the specified distance. Verify that the \ SRI encoder is connected to the table.\n\ Units specified to move: %dmm\n\ Actual units moved: %dmm\n\ HW Used: IPG,TYME,SRI,Long Drive		<srv,myhost,log>
2222448	IPG DIAG - SRI CRADLE MOTION TEST ERROR.\n\ Cradle was commanded to move into the magnet bore (away from home), but \ it is moving out of the magnet bore (towards home). Check encoder connections.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222449	IPG DIAG - SRI CRADLE MOTION TEST ERROR.\n Cradle moved at the wrong speed.\n Expected Velocity: %dmm/s\n Calculated Velocity: %dmm/s\n HW Used: Encoder		<srv,myhost,log>
2222450	IPG DIAG - SRI ERROR.\n SRI did not acknowledge the opcode sent from SPI. Check to make sure \n that the xmit and rcv cables are connected properly.\n Channel: %d\n Opcode Sent: %02xH\n Opcode Expected: %02xH\n Opcode Rcvd: %02xH		<srv,myhost,log>
2222451	IPG DIAG - SRI ERROR.\n SRI Channel did not get set in transmit/recieve mode in the \n allowed time period.		<srv,myhost,log>
2222452	IPG DIAG - SRI CRADLE MOTION TEST ERROR.\n SRI Cradle position did not change. Check to make sure that \n the encoder is connected. Check power-supply.		<srv,myhost,log>
2222453	IPG DIAG - SRI CRADLE MOTION TEST ERROR.\n SRI Cradle moved but did not reach home position in allotted \n time. Check to make sure encoder is connected properly and there \n is no obvious blockage.		<srv,myhost,log>
2222454	IPG DIAG - SRI CRADLE MOTION TEST ERROR.\n SRI Cradle was commanded to move out of the magnet bore (towards home), but \n it's moving into the magnet (away from home). Check encoder connections.		<srv,myhost,log>
2222455	IPG DIAG - FIBER OPTIC REPEATER ERROR.\n The opcode/data sent to SRI is being loopback. The fiber optic repeater \n may be in loopback mode. Please check the repeater jumper. \n The opcode/data sent is %x.		<srv,myhost,log>
2222480	IPG Diags - %s Local Test Failed\n SPU Static RAM Test failed pattern check.\n Address: %08xH\n Written: %08xH\n Expected: %08xH\n Actual: %08xH		<myhost,svr,log>
2222481	IPG Diags - %s Local Test Failed\n SPU Static RAM Test failed address check.\n Address: %08xH\n Written: %08xH\n Expected: %08xH\n Actual: %08xH		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222482	IPG Diags - %s Local Test Failed\n SPU Static RAM Test failed walking 1's/0's test.\n Address: %08xH\n Written: %08xH\n Expected: %08xH\n Actual: %08xH		<myhost,svr,log>
2222483	IPG Diags - %s Local Test Failed\n SPU-SPI DPR Test failed pattern check.\n Address: %08xH\n Written: %08xH\n Expected: %08xH\n Actual: %08xH		<myhost,svr,log>
2222484	IPG Diags - %s Local Test Failed\n SPU-SPI DPR Test failed address check.\n Address: %08xH\n Written: %08xH\n Expected: %08xH\n Actual: %08xH		<myhost,svr,log>
2222485	IPG Diags - %s Local Test Failed\n SPU-SPI DPR Test failed walking 1's/0's test.\n Address: %08xH\n Written: %08xH\n Expected: %08xH\n Actual: %08xH		<myhost,svr,log>
2222486	IPG Diags - %s-PAC Lpbk Test Failed\n No data was received at the SPU C30 serial port.\n Verify that the PAC is present and properly connected.\n Serial port number: %d\n Expected: %d bytes\n Received: %d bytes		<myhost,svr,log>
2222487	IPG Diags - %s-PAC Lpbk Test Failed\n An incorrect number of bytes were \n received at the C30 CPU serial port.\n Check the PAC connection and run PAC diags.\n Serial port number: %d\n Expected: %d bytes\n Received: %d bytes		<myhost,svr,log>
2222488	IPG Diags - SPU-PAC Lpbk Test Failed\n Received incorrect op-code from PAC.\n Transmitted: %02xH\n Expected: %02xH\n Received: %02xH		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222489	IPG Diags - SPU-PAC Lpbk Test Failed\n Received incorrect lpbk data from PAC.\n Check PAC connection.\n Transmitted: %02xH\n Expected: %02xH\n Received: %02xH		<myhost,svr,log>
2222490	IPG Diags - %s-TYME Lpbk Test or Fiber Optic Repeater Test\n No data bytes were received at the SPU C30 serial port.\n Serial port number: %d\n Expected: %d bytes\n Received: %d bytes		<myhost,svr,log>
2222491	IPG Diags - %s-TYME Lpbk Test Failed\n Incorrect number of data bytes \n received at the SPU C30 serial port.\n Serial port number: %d\n Expected: %d bytes\n Received: %d bytes		<myhost,svr,log>
2222492	IPG Diags - SPU-PAC TYME Lpbk Test Failed\n Received incorrect data when looped back at TYME card.\n HW used: IPG Board, TYME card\n Transmitted: %02xH\n Expected: %02xH\n Received: %02xH		<myhost,svr,log>
2222493	IPG Datapath Diags - SPU XD Bus Monitor Test Failed\n The SPU XD bus monitor FIFO overflowed.\n RCVR monitored: %d\n XD Monitor mode: %c (A=all, E=even, O=odd)		<myhost,svr,log>
2222494	IPG Datapath Diags - SPU XD Bus Monitor Test Failed\n No data was received in the SPU XD bus monitor FIFO.\n RCVR monitored: %d\n XD Monitor mode: %c (A=all, E=even, O=odd)		<myhost,svr,log>
2222495	IPG Datapath Diags - SPU XD Bus Monitor Test Failed\n The SPU XD bus monitor FIFO received less data than expected.\n Expected: %d blocks\n Received: %d blocks\n RCVR monitored: %d\n XD Monitor mode: %c (A=all, E=even, O=odd)		<myhost,svr,log>
2222496	IPG Datapath Diags - SPU XD Bus Monitor Test Failed\n The SPU XD bus monitor failed the data integrity test.\n Data Exp: %08xH\n Data Rd: %08xH\n RCVR monitored: %d\n XD Monitor mode: %c (A=all, E=even, O=odd)		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222580	TPS IPG BOARD - LCA WAVEFORM TEST ERROR.\n\nFailed to read expected pattern from sequencer.\n\nSequencer ID: %d\n\nPattern Expected: %08xH Read: %08xH\n\nFailed Sequencers (this pattern): %d\n\n\nSequencer Information: \n %b\n\nSequencer IDs:\n\n1 = X Gradient ( 9 is X Scalar)\n\n2 = Y Gradient (10 is Y Scalar)\n\n3 = Z Gradient (11 is Z Scalar)\n\nNote: values are sampled by WARP and written to IPG CPU\n\nvia CPU to WARP Dual Port RAM.		<srv,myhost,log>
2222581	Sequencer IDs:\n\n4 = RHO1\n\n5 = RHO2\n\n6 = THETA\n\n7 = OMEGA\n\nNote: values are sampled by freezing RF Multiplier,\n\nthen reading the output latches.		<myhost,srv,log>
2222582	Sequencer IDs: 8 = SSP\n\nNote: value is sampled from SSP Control Field Read Register.		<myhost,srv,log>
2222583	TPS IPG BOARD - LCA WAVEFORM TEST FAILURE\n\nReceived more than one ISI before pattern was checked, test ended.\n\nNumber of ISIs: %d\n\nNOTE: could be caused by random network activity...try test again.		<srv,myhost,log>
2222584	TPS IPG BOARD - LCA WAVEFORM TEST FAILURE\n\nAn ISI occurred during sampling period, sampled values are corrupted.\n\nThe test has ended.\n\nNOTE: could be due to random network activity ... try again.		<srv,myhost,log>
2222585	TPS IPG BOARD - LCA WAVEFORM TEST ABORTED\n\nThe IPG Peripheral Loader function returned an error when attempting\n\nto download the WARP file required for these tests. Check error log\n\nfor information about what went wrong.		<srv,myhost,log>
2222586	TPS IPG BOARD - LCA WAVEFORM ADDRESS TEST ERROR.\n\nFailed to read expected pattern from sequencer.\n\nSequencer ID: %d\n\nPattern Expected: %08xH Read: %08xH\n\nFailed Sequencers (this pattern): %d\n\n\nSequencer Information: \n %b		<srv,myhost,log>
2222587	LCA WAVEFORM POINTER OUT OF RANGE - INTERNAL SOFTWARE ERROR.\n\nValue specified for waveform pointer in an LCA Set Instruction\n\ncommand is out of range.\n\nMaximum value: %xH Value specified: %08xH		<prg,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222589	LCA INSTRUCTION PERIOD OUT OF RANGE - INTERNAL SOFTWARE ERROR.\n\ Value specified for period in an LCA Set Instruction\n\ command is out of range. \n\ Maximum value: %xH Value specified: %08xH		<prg,myhost,log>
2222590	LCA INSTRUCTION OUT OF RANGE - INTERNAL SOFTWARE ERROR.\n\ Instruction number specified in an LCA Set Instruction\n\ command is out of range. \n\ Maximum value: %xH Value specified: %xH		<prg,myhost,log>
2222591	TPS IPG BOARD - LCA TEST ERROR.\n\ The SSP Control Status Register indicates that an End of Sequence\n\ instruction has been unexpectedly encountered. The SSP sequencer is\n\ the most likely source of the problem.\n\ Register Content: %xH		<srv,myhost,log>
2222592	TPS IPG BOARD - LCA INSTRUCTION TEST ERROR.\n\ The interrupt counter indicates that more than a single ISI has been\n\ executed. The LCA sequencer interrupt circuitry is the most likely\n\ source of the problem.\n\ Actual number of interrupts received: %d		<srv,myhost,log>
2222593	TPS IPG BOARD - LCA INSTRUCTION TEST ERROR.\n\ The interrupt counter indicates that an ISI came in during the\n\ sampling period. The LCA interrupt circuitry is the most likely\n\ source of the problem.\n\ Number of interrupts received during sampling: %d		<srv,myhost,log>
2222594	TPS IPG BOARD - LCA INSTRUCTION TEST ERROR.\n\ LCA failed to play out correct data during the instruction memory\n\ address test.\n\ Sequencer ID: %d\n\ Pattern Expected: %08xH Read: %08xH\n\ Pattern on address lines (INS_ADDR): %x\n\ Sequencer Information: \n %b		<srv,myhost,log>
2222595	TPS IPG BOARD - LCA INSTRUCTION EOS TEST ERROR.\n\ LCA failed to set output to 0 when an End of Sequence was encountered.\n\ Sequencer ID: %d\n\ Pattern Expected: %08xH Read: %08xH\n\ Failed Sequencers (this pattern): %d\n\ Sequencer Information:\n %b		<prg,myhost,log>
2222596	IPG Diags - LCA Instruction Test failed.\n\ SSP Sequencer failed to stop within expected time.\n\ Min: %d Max: %d Actual: %d\n\ This is a known intermittent hardware condition and\n\ this failure should be ignored.		<prg,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222597	TPS IPG BOARD - LCA INSTRUCTION PATTERN TEST ERROR.\n\ Failed to read expected pattern from sequencer. \n\ Sequencer ID: %d\n\ Pattern Expected: %08xH Read: %08xH\n\ Failed Sequencers (this pattern): %d\n\ \n Sequencer Information: \n %b		<srv,myhost,log>
2222598	TPS IPG BOARD - LCA SSP TEST CANNOT BE RUN.\n\ Probe of TPS indicates that Data Acquisition Board is missing.\n\ SSP pattern/address tests require that the Data Acquisition Board be present.		<srv,myhost,log>
2222599	TPS IPG BOARD - LCA SSP WAVEFORM PATTERNS TEST FAILED.\n\ Did not receive the first value (device/opcode pair) of the test packet\n\ sent to the DAB by the IPG SSP LCA.\n\ Expected: %8xH Actual: %8xH		<srv,myhost,log>
2222600	TPS IPG BOARD - LCA SSP WAVEFORM PATTERNS TEST FAILED.\n\ Value of data in the test packet sent to the DAB by the IPG SSP LCA\n\ does not match the expected value.\n\ Expected: %8xH Actual: %8xH\n\ Location in packet: %d.		<srv,myhost,log>
2222601	TPS IPG BOARD - LCA SSP WAVEFORM TEST FAILED.\n\ Value read from DAB SSP after conclusion of SSP test does not match the\n\ expected value. Looks like IPG SSP LCA unexpectedly played out extra\n\ data (or DAB SSP malfunctioning).\n\ Expected: %8xH Actual: %8xH		<srv,myhost,log>
2222602	TPS IPG BOARD - LCA SSP WAVEFORM ADDRESS TEST FAILED.\n\ Did not receive the first value (device/opcode pair) of the test packet\n\ sent to the DAB by the IPG SSP LCA.\n\ Expected: %8xH Actual: %8xH\n\ Address of device code in IPG waveform memory: %8xH		<srv,myhost,log>
2222603	TPS IPG BOARD - LCA SSP WAVEFORM ADDRESS TEST FAILED.\n\ Value of data in the test packet sent to the DAB by the IPG SSP LCA\n\ does not match the expected value.\n\ Expected: %8xH Actual: %8xH\n\ Address of waveform data played out by SSP: %8xH		<srv,myhost,log>
2222604	TPS IPG BOARD - LCA SSP PERIOD TEST FAILED.\n\ Timer value at end of instruction played out by SSP sequencer is not\n\ within the expected range.\n\ Period of instruction: %6xH\n\ Expected timer value: %6xH Actual: %6xH		<srv,myhost,log>
2222605	TPS IPG BOARD - LCA GRADIENT PERIOD TEST FAILED.\n\ One or more gradient sequencer outputs did not change at expected time.\n\ Suspected problem in sequencer timing.\n\ Pattern (which should have changed): %6xH\n\ X output: %6xH Y output: %6xH Z output: %6xH		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222606	TPS IPG BOARD - LCA GRADIENT PERIOD TEST FAILED.\n\ One or more gradient sequencers is not playing expected pattern.\n\ Suspected problem in sequencer timing.\n\ Expected pattern: %6xH\n\ X output: %6xH Y output: %6xH Z output: %6xH		<srv,myhost,log>
2222607	TPS IPG BOARD - LCA PERIOD TEST FAILED.\n\ One or more RF sequencer outputs did not change to 0 at expected time.\n\ Suspected problem in sequencer timing.\n\ Pattern (before change): %xH\n\ RHO1 output: %xH RHO2 output: %xH THETA output: %xH OMEGA output: %xH		<srv,myhost,log>
2222608	TPS IPG BOARD - LCA RF PERIOD TEST FAILED.\n\ One or more RF sequencer outputs is not playing expected pattern.\n\ Suspected problem in sequencer timing.\n\ Pattern expected: %6xH\n\ RHO1 output: %6xH RHO2 output: %6xH THETA output: %6xH OMEGA output: %6xH		<srv,myhost,log>
2222609	TPS IPG BOARD - LCA QUEUE UPDATE TEST FAILED.\n\ An update to the waveform memory by the waveform update register\n\ has failed. The update register or the waveform memory may be bad\n\ Waveform bank: %d\n\ Pattern expected: %4xH\n\ Pattern received: %4xH		<srv,myhost,log>
2222610	TPS IPG BOARD - LCA QUEUE UPDATE TEST FAILED.\n\ An update to the instr memory by the instr update register has failed.\n\ The update register or the instr memory may be bad.\n\ Instruction bank: %d\n\ Pattern expected: %4xH\n\ Pattern received: %4xH		<srv,myhost,log>
2222611	TPS IPG BOARD - SEQ INSTR ADDR TEST FAILED.\n\ The sequencers did not stop as expected after playing out the\n\ sequence. The sequencer ran for at least 3 times longer than\n\ expected because the EOS bit in the SSP control register was\n\ not set.		<srv,myhost,log>
2222612	TPS IPG BOARD - Fast Update Mechanism failure.\n\ Waveform memory has failed the data pattern test.\n\ Address: %08xH\n\ Data Exp: %04xH\n\ Data Rd: %04xH		<srv,myhost,log>
2222613	TPS IPG BOARD - Fast Update Mechanism failure.\n\ Instruction memory bank 1 has failed the data pattern test.\n\ This bank is used for X, Y, Z, and SSP generation.\n\ Address: %08xH\n\ Data Exp: %04xH\n\ Data Rd: %04xH		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222614	TPS IPG BOARD - Fast Update Mechanism failure.\n\nInstruction memory bank 2 has failed the data pattern test.\n\nThis bank is used for Rho, Theta, and Omega generation.\n\nAddress: %08xH\n\nData Exp: %04xH\n\nData Rd: %04xH		<srv,myhost,log>
2222615	TPS IPG BOARD - Fast Update Mechanism failure.\n\nWaveform memory has failed the address test.\n\nAddress: %08xH\n\nData Exp: %04xH\n\nData Rd: %04xH		<srv,myhost,log>
2222616	TPS IPG BOARD - Fast Update Mechanism failure.\n\nInstruction memory bank 1 has failed the address test.\n\nThis bank is used for X, Y, Z, and SSP generation.\n\nAddress: %08xH\n\nData Exp: %04xH\n\nData Rd: %04xH		<srv,myhost,log>
2222617	TPS IPG BOARD - Fast Update Mechanism failure.\n\nInstruction memory bank 1 has failed the address test.\n\nThis bank is used for Rho, Theta, and Omega generation.\n\nAddress: %08xH\n\nData Exp: %04xH\n\nData Rd: %04xH		<srv,myhost,log>
2222618	TPS IPG BOARD - Fast Update Mechanism failure.\n\nWaveform memory has failed the page selection test.\n\nAddress: %08xH\n\nData Exp: %04xH\n\nData Rd: %04xH\n\nPage No: %d		<srv,myhost,log>
2222619	TPS IPG BOARD - LCA Hammer test failed.\n\nThe WARP received an invalid WAVEFORM value from the X sequencer.\n\nScale addr = %08xH Scale data Rd = %08xH\n\nWave addr = %08xH Wave data Rd = %08xH\n\nWaveform Data exp = %08xH		<srv,myhost,log>
2222620	TPS IPG BOARD - LCA Hammer test failed.\n\nThe WARP received an invalid WAVEFORM value from the Y sequencer.\n\nScale addr = %08xH Scale data Rd = %08xH\n\nWave addr = %08xH Wave data Rd = %08xH\n\nWaveform Data exp = %08xH		<srv,myhost,log>
2222621	TPS IPG BOARD - LCA Hammer test failed.\n\nThe WARP received an invalid WAVEFORM value from the Z sequencer.\n\nScale addr = %08xH Scale data Rd = %08xH\n\nWave addr = %08xH Wave data Rd = %08xH\n\nWaveform Data exp = %08xH		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222622	TPS IPG BOARD - LCA Hammer test failed.\n\ The WARP received an invalid SCALE value from the X sequencer.\n\ Scale addr = %08xH Scale data Rd = %08xH\n\ Wave addr = %08xH Wave data Rd = %08xH\n\ Scale Data exp = %08xH		<srv,myhost,log>
2222623	TPS IPG BOARD - LCA Hammer test failed.\n\ The WARP received an invalid SCALE value from the Y sequencer.\n\ Scale addr = %08xH Scale data Rd = %08xH\n\ Wave addr = %08xH Wave data Rd = %08xH\n\ Scale Data exp = %08xH		<srv,myhost,log>
2222624	TPS IPG BOARD - LCA Hammer test failed.\n\ The WARP received an invalid SCALE value from the Z sequencer.\n\ Scale addr = %08xH Scale data Rd = %08xH\n\ Wave addr = %08xH Wave data Rd = %08xH\n\ Scale Data exp = %08xH		<srv,myhost,log>
2222625	TPS IPG BOARD - LCA Hammer test failed.\n\ The IPG received an invalid error code from the WARP.\n\ This is mostly likely due to a software problem in the WARP diags code.\n\ Error code = %d		<prg,myhost,log>
2222626	TPS IPG BOARD - LCA Hammer test failed.\n\ The LCA Hammer test did not run because the LCA's failed to start\n\ and/or generate an EOS interrupt. Run other LCA diags to diagnose.		<srv,myhost,log>
2222627	TPS IPG BOARD - Gradient Link Hammer test failed.\n\ The GAP/GIP received an invalid %c axis data value via the gradient data link.\n\ Data Exp = %08xH or %08xH\n\ Data Rd = %08xH\n\ Check the gradient data and clock cable connections		<srv,myhost,log>
2222628	TPS IPG BOARD - Gradient Link Hammer test failed.\n\ The Gradient Link Hammer test did not run because the LCA's failed to\n\ start and/or generate an EOS interrupt. Run other LCA diags to diagnose.		<srv,myhost,log>
2222680	PAC DIAGNOSTIC POWER UP TEST \n\ The checksum computed by the PAC does not agree \ with the checksum in the PAC EPROM. Check the \ PAC EPROM. \n\ Expected checksum: %xH \n\ Checksum calculated: %xH		<myhost,srv,log>
2222681	PAC DIAGNOSTIC POWER UP TEST \n\ The RAM on the PAC board failed its read/write \ test. Check the PAC RAM. \n\ Address: %xH Data written: %xH \n\ Data expected: %xH Data read: %xH		<myhost,srv,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222682	PAC DIAGNOSTIC POWER UP TEST \n\ The RAM on the PAC board failed its address test. \ Check the PAC RAM. \n\ Address: %xH Data written: %xH \n\ Data expected: %xH Data read: %xH		<myhost,svr,log>
2222683	PAC DIAGNOSTIC POWER UP TEST \n\ The mirror data register test on the PAC board \ failed its read/write test. Check the the PAC board. \n\ Address: %xH Data written: %xH \n\ Data expected: %xH Data read: %xH		<myhost,svr,log>
2222684	PAC DIAGNOSTIC POWER UP TEST \n\ The +5V Isolated Power Supply on the PAC board \ is not within tolerance. \n\ Lower limit: %xH \n\ Upper limit: %xH \n\ Value read: %xH		<myhost,svr,log>
2222685	PAC DIAGNOSTIC POWER UP TEST \n\ The A to D reading for the main +12V \ supply was not in tolerance. Check the main \ +5V and +12V supplies and the main A to D converter. \n\ Upper limit: %xH \n\ Lower limit: %xH \n\ Value read: %xH		<myhost,svr,log>
2222686	PAC DIAGNOSTIC POWER UP TEST \n\ The A to D tests and the mirror register test \ failed. Check the PAL on the PAC board.		<myhost,svr,log>
2222687	PAC MANUAL TEST \n\ The voltage across the PAC Probe Infra red diode \ was not within tolerance. Check the diode and check \ that it is properly connected to the PAC. \n\ Upper limit: %xH \n\ Lower limit: %xH \n\ Value read: %xH		<myhost,svr,log>
2222688	PAC MANUAL TEST \n\ The negative voltage generated \ by the PAC probe was not less than \ -2.5V. Check the probe and the probe AGC circuit \ on the PAC. \n\ Lower voltage limit: %xH \n\ Value read: %xH		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222689	PAC MANUAL TEST \n\ The positive voltage generated \ by the PAC probe was not greater than \ +2.5V. Check the probe and the probe AGC circuit \ on the PAC. \n\ Lower voltage limit: %xH \n\ Value read: %xH		<myhost,svr,log>
2222690	PAC MANUAL TEST \n\ The right arm ECG lead is failing or has failed. \ Check this lead and replace if necessary.		<myhost,svr,log>
2222691	PAC MANUAL TEST \n\ The left arm ECG lead is failing or has failed. \ Check this lead and replace if necessary.		<myhost,svr,log>
2222692	PAC MANUAL TEST \n\ The left leg ECG lead is failing or has failed. \ Check this lead and replace if necessary.		<myhost,svr,log>
2222693	PAC MANUAL TEST \n\ The right leg ECG lead is failing or has failed. \ Check this lead and replace if necessary.		<myhost,svr,log>
2222694	PAC DIAGNOSTIC POWER UP TEST \n\ The respiration input to the A/D converter \ was not in range. Disconnect the bellows if \n\ hooked up and rerun the tests. Else check \ the respiration circuitry \n\ Value of offset voltage DAC: %xH Value read:%xH		<myhost,svr,log>
2222695	PAC DIAGNOSTIC POWER UP TEST \n\ The positive offset from the respiration circuit \ did not go to the correct value at the following gain.\n\ Upper limit: %xH\n\ Actual : %xH\n\ Gain : %xH		<myhost,svr,log>
2222696	PAC DIAGNOSTIC POWER UP TEST \n\ The negative offset from the respiration circuit \ did not go to the correct value at the following gain.\n\ Upper limit: %xH\n\ Actual : %xH\n\ Gain : %xH		<myhost,svr,log>
2222697	PAC DIAGS POWER UP TEST \n\ DUART Channel A loopback test failed. Note that the DUART is only used \ for engineering debug purposes; if no other PAC failures are indicated, \ this failure can be ignored.\n\ Data sent: %xH\n\ Data expected:%xH\n\ Data received:%xH		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222698	PAC DIAGS POWER UP TEST \n\ DUART Channel B loopback test failed. Note that the DUART is only used \ for engineering debug purposes; if no other PAC failures are indicated, \ this failure can be ignored.\n\ Data sent: %xH\n\ Data expected:%xH\n\ Data received:%xH		<myhost,svr,log>
2222699	PAC DIAGS POWER UP TEST \n\ DUART Channel A interrupt test failed. Note that the DUART is only used \ for engineering debug purposes; if no other PAC failures are indicated, \ this failure can be ignored.\n\ No of ints expected: %d\n\ No of ints received: %d		<myhost,svr,log>
2222700	PAC DIAGS POWER UP TEST \n\ DUART Channel B interrupt test failed. Note that the DUART is only used \ for engineering debug purposes; if no other PAC failures are indicated, \ this failure can be ignored.\n\ No of ints expected: %d\n\ No of ints received: %d		<myhost,svr,log>
2222701	SPU - PAC COMMUNICATION \n\ The PAC did not acknowledge a request from the SPU to carry out one of its \ diagnostic tests. Check PAC, fiber optic cables. Make sure that the repeater \ is not in loopback mode. Disconnect bellows.		<myhost,svr,log>
2222702	PAC DIAGNOSTIC POWER UP TEST \n\ This error message is no longer used.		<myhost,svr,log>
2222703	IPG 68020 - SPU COMMUNICATION \n\ The IPG 68020 timed out while waiting for the PAC diagnostics \ complete signal from the SPU. Check the SPU and the SPU dual \n\ port RAM on the IPG board.		<myhost,svr,log>
2222704	PAC MANUAL TEST \n\ PAC data collection timeout at Leaky Bellows test. \n\ Number of data packets: %xH\n\ Last average computed : %xH		<myhost,svr,log>
2222705	PAC MANUAL TEST \n\ PAC Leaky Bellows test exceeds the maximum leakage limit \n\ (i.e. 200 counts in 2 minutes).\n\ 1st average : %xH Last average : %xH\n\ Difference of : %d Number of average computed : %d		<myhost,svr,log>
2222706	PAC MANUAL TEST \n\ PAC Bellows leak rate is within the maximum leakage limit \n\ (i.e. 200 counts in 2 minutes).\n\ 1st average : %xH Last average : %xH\n\ Difference of : %d		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222707	PAC MANUAL TEST \n\ Timeout occurs during a PAC respiratory gain test. If \n\ the bellows is connected, please disconnected it and rerun \n\ the test again. Otherwise, check the A/D circuitry.		<myhost,svr,log>
2222730	MDS LINK ERROR\n\ << OBSOLETE ERROR MESSAGE NUMBER >>		<myhost,prg,log>
2222731	MDS LINK ERROR\n\ The SPI did not receive the MDS packet that it expected.\n\ The MDS device should have echoed the header and opcode\n\ that was transmitted by the SPI.\n\ Pkt xmit: header=%02xH opcode=%02xH\n\ Pkt rcvd: header=%02xH opcode=%02xH		<myhost,svr,log>
2222732	MDS LINK ERROR\n\ << OBSOLETE ERROR MESSAGE NUMBER >>		<myhost,prg,log>
2222733	MDS LINK ERROR\n\ The indicated peripheral is present but not functioning properly.\n\ It did not return a full data pkt in response to a read request.\n\ Peripheral: %02xH (Gradient MDS = 0, RF MDS = 1)\n\ Reg addr: %02xH\n\ bytes exp: %d\n\ bytes rcvd: %d		<myhost,svr,log>
2222734	MDS LINK ERROR\n\ SPI receive buffer overflows have occurred. A 2nd data byte was\n\ received before it read the 1st byte. Check all MDS peripherals\n\ (Gradient, RF) and the SPI.\n\ # of overflow errors: %d\n\ # of bytes xmitted: %d		<myhost,svr,log>
2222735	MDS LINK ERROR\n\ Clock framing errors have occurred. The STOP bit of a received byte\n\ did not occur or occurred late. Check all serial converters\n\ (Gradient and RF MDS Peripherals) and the SPI.\n\ No. of framing errors: %d\n\ No. of bytes xmitted: %d		<myhost,svr,log>
2222736	TR/DD Failure\n\ The RF MDS Peripheral was unable to communicate with the \n\ TR/DD Board/Pin Switch Driver Board. Check \n\ that the TR/DD or Pin Switch Driver board is connected to \n\ the RF MDS Peripheral and is powered up.		<myhost,svr,log>
2222737	TR/DD Failure\n\ Coil Configuration Register error \n\ Check the TR/DD or Pin Switch Driver Board.\n\ Register address: %xH \n\ Data written: %xH \n\ Data read: %xH \n\ Data expected: %xH		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222738	TR/DD Failure\n\nCommand Register error. \nCheck the TR/DD or Pin Switch Driver Board.\nRegister address: %xH \nData read: %xH \nExpected result: %xH		<myhost,svr,log>
2222739	TR/DD Failure\n\nFault Reporting Disable Register error. \nCheck the TR/DD or Pin Switch Driver Board.\nRegister address: %xH \nData written: %xH \nData read: %xH \nData expected: %xH		<myhost,svr,log>
2222740	TR/DD Failure\n\nStatus register unable to be reset. \nCheck the TR/DD or Pin Switch Driver Board.\nRegister address: %xH \nData read: %xH \nExpected result: %xH		<myhost,svr,log>
2222741	TR/DD Failure\n\nCoil Configuration Register or Fault \nReporting Disable Register unable to be reset.\nCheck the TR/DD or Pin Switch Driver Board.\nRegister address: %xH \nData read: %xH \nExpected result: %xH		<myhost,svr,log>
2222742	TR/DD Failure\n\nThe TR/DD or Pin Switch Driver Board has been manually \nplaced into service mode.		<myhost,svr,log>
2222743	DYNAMIC DISABLE CHASSIS\n\n+15V Switching Power Supply failure.		<myhost,svr,log>
2222744	DYNAMIC DISABLE CHASSIS \n\n-15V Switching Power Supply failure.		<myhost,svr,log>
2222745	DYNAMIC DISABLE CHASSIS \n\nHigh Voltage Power Supply failure.		<myhost,svr,log>
2222746	Multi-coil option fault\n\nMulti-Coil option not selected by bit 05 \nof the Command Register. Check the TR/DD or Pin\nSwitch Driver Board\nRegister address: %xH \nData read: %xH \nExpected result: %xH		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222747	MULTI-COIL DRIVER FAULT \n\ Unable to reset Diode Fault Register. \ Check the Multi-Coil or Pin Switch Driver Board. \n\ Register address: %xH \n\ Data read: %xH \n\ Expected result: %xH		<myhost,svr,log>
2222748	MULTI-COIL DRIVER FAULT \n\ Port Enable Register error. \ Check the Multi-Coil or Pin Switch Driver Board. \n\ Register address: %xH \n\ Data written: %xH \n\ Data read: %xH \n\ Data expected: %xH		<myhost,svr,log>
2222749	MULTI-COIL DRIVER FAULT \n\ Unable to reset Port Enable Register. \ Check the Multi-Coil or Pin Switch Driver Board. \n\ Register address: %xH \n\ Data read: %xH \n\ Expected result: %xH		<myhost,svr,log>
2222750	RF AMPLIFIER INTERFACE BOARD \n\ The RF MDS Peripheral was unable to communicate with \ the RF Amplifier Interface Board. \n\ Check that the RF Amplifier \ is connected to the RF MDS Peripheral and is powered up.		<myhost,svr,log>
2222751	SPECTRO RF AMPLIFIER INTERFACE BOARD \n\ The RF MDS Peripheral was unable to communicate with the \ Spectro RF Amplifier Interface Board. \n\ Check that the Spectro RF Amplifier Interface \ Board is connected to the RF MDS Peripheral and is powered up.		<myhost,svr,log>
2222752	SPECTRO RF AMPLIFIER INTERFACE BOARD \n\ Command Register error. \n\ Register address: %xH \n\ Data written: %xH \n\ Data read: %xH \n\ Data expected: %xH		<myhost,svr,log>
2222753	SPECTRO RF AMPLIFIER INTERFACE BOARD \n\ Configuration Register error. \n\ Register address: %xH \n\ Data written: %xH \n\ Data read: %xH \n\ Data expected: %xH		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222754	GRADIENT MDS PERIPHERAL\n\nIPG was unable to communicate with the Gradient MDS Peripheral\n\nBoard and determine the actual type of gradient hardware present.\n\nCheck that the Gradient MDS Peripheral Board is connected to the\n\nMDS Link and is powered up.		<myhost,svr,log>
2222755	GRADIENT AMPLIFIER I/F BOARD \n\nGradient standby/overload clear register error. \n\nCheck the Gradient Amplifier I/F Board. \n\nRegister address: %xH \n\nData Expected: %xH \n\nData Read: %xH		<myhost,svr,log>
2222756	GRADIENT AMPLIFIER \n\nThe indicated Gradient Amplifier is reporting \n\na power off condition. Check the \n\nindicated amplifier and the Gradient I/F Board. \n\nRegister address: %xH \n\nGradient Amplifier: %s		<myhost,svr,log>
2222757	GRADIENT AMPLIFIER \n\nThe indicated Gradient Amplifier is reporting \n\na fault condition. Check the indicated Gradient Amp \n\nand the Gradient Amplifier I/F Board. \n\nRegister address: %xH \n\nGradient Amplifier: %s		<myhost,svr,log>
2222758	GRADIENT AMPLIFIER \n\nThe indicated Gradient Amplifier is reporting \n\nan over temperature condition. Check the indicated Gradient \n\nAmp and the Gradient Amplifier I/F Board. \n\nRegister address: %xH \n\nGradient Amplifier: %s		<myhost,svr,log>
2222759	GRADIENT AMPLIFIER \n\nThe indicated Gradient Amplifier could not be switched \n\nto the Ready (Operate) mode. Check the indicated Gradient Amp \n\nand the Gradient Amplifier I/F Board. \n\nRegister address: %xH \n\nGradient Amplifier: %s		<myhost,svr,log>
2222760	GRADIENT AMPLIFIER \n\nThe Gradient System could not be powered off for this test.\n\nThe test was not run. Check for an error condition on the\n\nfront panel of the System Control Assembly.\n\nExpected Status: 5H\n\nX Status: %xH\n\nY Status: %xH\n\nZ Status: %xH		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222761	GRADIENT AMPLIFIER \n\ The indicated Gradient Amplifier is reporting an \ overload condition. Check the indicated \ Gradient Amp and the Gradient Amplifier \ I/F Board. \n\ Register address: %xH \n\ Gradient Amplifier: %s		<myhost,svr,log>
2222762	GRADIENT AMPLIFIER \n\ The Gradient Amp status register reported an \ amplifier in Standby mode after the amplifiers \ were commanded to the Operate (Ready) mode. Check \ the indicated amplifier and the Gradient amp status \ register.\n\ Gradient Amplifier: %s		<myhost,svr,log>
2222763	GRADIENT AMPLIFIER \n\ The Gradient Amp status register reported an \ error with one of the Gradient Amps when \ the amplifiers were commanded to Standby mode. \ Check the indicated Gradient Amp. Run the Gradient \ status tests if necessary.\n\ Gradient Amplifier: %s		<myhost,svr,log>
2222764	POWER MONITOR - RF MDS Peripheral INTERFACE \n\ The Power Monitor did not echo the data sent to it from the \n\ RF MDS Peripheral correctly. Check the RF MDS Peripheral and the Power Monitor.		<myhost,svr,log>
2222765	POWER MONITOR - RF MDS Peripheral INTERFACE \n\ The RF MDS Peripheral timed out while waiting for a response from the \n\ Power Monitor. Check that the Power Monitor is connected to \n\ the RF MDS Peripheral and that the Power Monitor is powered up.		<myhost,svr,log>
2222766	POWER MONITOR ERROR \n\ The SPI did not receive a response from the RF MDS Peripheral after \n\ sending Power Monitor Data to the RF MDS Peripheral. Check the RF MDS Peripheral \n\ and the Power Monitor.		<myhost,svr,log>
2222767	POWER MONITOR ERROR \n\ An error was found in the data sent to the RF MDS Peripheral to program \n\ the Power Monitor. Check the MDS link and the RF MDS Peripheral.		<myhost,svr,log>
2222768	POWER MONITOR ERROR \n\ Data with an incorrect checksum was sent to the Power Monitor, \n\ but the Power Monitor responded with data OK status. Check the \n\ Power Monitor and the RF MDS Peripheral.		<myhost,svr,log>
2222769	MDS Diags - Power Monitor Test \n\ The Power Monitor connected to the RF MDS Peripheral is not the same field \n\ strength as indicated in the MRconfig.cfg file.		<myhost,svr,log>
2222770	MDS Diags - Power Monitor Test \n\ The Power Monitor connected to the RF MDS Peripheral is not the same field \n\ strength as indicated in the MRconfig.cfg file.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222771	MDS LINK ERROR\n\ << OBSOLETE ERROR MESSAGE NUMBER >>		<myhost,svr,log>
2222772	MDS LINK\n\ The SPI was expecting an error packet and instead received\n\ the following packet which is NOT an error packet.\n\ Pkt header: %02xH\n\ Pkt opcode: %02xH		<myhost,svr,log>
2222773	MDS LINK\n\ << OBSOLETE ERROR MESSAGE NUMBER >>		<myhost,prg,log>
2222774	MDS LINK\n\ << OBSOLETE ERROR MESSAGE NUMBER >>		<myhost,prg,log>
2222775	MDS LINK\n\ A Bad Address packet was received from the MDS link. Check the MDS\n\ peripheral address DIP switches on all MDS peripherals.\n\ Peripheral Address received: %xH		<myhost,svr,log>
2222776	MDS LINK\n\ << OBSOLETE ERROR MESSAGE NUMBER >>		<myhost,prg,log>
2222777	MDS LINK\n\ A break was found in the MDS link between the RF MDS Peripheral and the SPI.\n\ Check the MDS link between these peripherals, the RF MDS Peripheral transmitter,\n\ and the SPI receiver.		<myhost,svr,log>
2222778	MDS LINK\n\ A break was found in the MDS link between the SPI and the Gradient\n\ MDS Peripheral. Check the MDS link between these peripherals, the\n\ SPI transmitter, and the Gradient MDS Peripheral receiver.		<myhost,svr,log>
2222779	MDS LINK\n\ A break was found in the MDS link between the Gradient MDS Periphera\n\ and the RF MDS Peripheral. Check the MDS link between these peripherals,\n\ the Gradient MDS Peripheral transmitter, and the RF MDS Peripheral\n\ receiver.		<myhost,svr,log>
2222780	MDS LINK\n\ A break was found in the MDS link between the RF MDS Peripheral and the SPI.		<myhost,svr,log>
2222781	MDS LINK\n\ A PDU error was received from the MDS link by the SPI.\n\ There may be a break in the MDS link between the RF MDS Peripheral\n\ and the SPI.		<myhost,svr,log>
2222782	MDS LINK\n\ << OBSOLETE ERROR MESSAGE NUMBER >>		<myhost,prg,log>
2222783	MDS LINK\n\ << OBSOLETE ERROR MESSAGE NUMBER >>		<myhost,prg,log>
2222784	SPI\n\ The SPI-TYME loopback test has timed out. Only %d of %d data bytes were\n\ successfully transmitted and received before the timeout occurred.\n\ Check the SPI and the TYME card.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222785	The SPI-TYME loopback test has failed due to a data error.\n Data transmitted: %02xH\n Data expected: %02xH\n Data received: %02xH\n Check the SPI and the TYME card.		<myhost,svr,log>
2222786	MDS LINK\n << OBSOLETE ERROR MESSAGE NUMBER >>		<myhost,prg,log>
2222787	MDS LINK\n << OBSOLETE ERROR MESSAGE NUMBER >>		<myhost,prg,log>
2222788	MDS LINK\n An EMERGENCY STOP error has been received from the MDS Link\n by the SPI. Check that the Gradient and RF MDS Peripherals are\n powered up and that the PDU has been restarted.		<myhost,svr,log>
2222789	MDS LINK\n << OBSOLETE ERROR MESSAGE NUMBER >>		<myhost,prg,log>
2222790	MDS LINK \n An invalid command was sent from 020 to SPI.\n Invalid command = %d. Contact Diag team.		<myhost,svr,log>
2222791	GRADIENT NOT RESPONDING\n Gradient MDS Peripheral is not responding to commands via the MDS link.\n Other diags errors may be logged as a result.\n Possible causes: MDS link broke, Gradient MDS Peripheral Board, or\n Gradient MDS Peripheral Power Supply.->		<myhost,svr,log>
2222792	GAP/GIP NOT RESPONDING\n The GAP/GIP is not responding to commands via the MDS link so no Gradient\n Tests have been attempted. Reset the TPS chassis and try again.\n Cycle power on the GAP/GIP if necessary.->		<myhost,svr,log>
2222793	GRADIENT DRIVER TESTS TIMEOUT ERROR\n The GAP/GIP has been instructed to run the Gradient Tests but it has failed\n to return any test results. Reset the TPS chassis and try again.\n Cycle power on the GAP/GIP if necessary.->		<myhost,svr,log>
2222794	GRADIENT DRIVER TESTS CONFIGURATION CONFLICT\n The Gradient Tests have detected a GRAM on the %c axis but this\n does not agree with the entry in the MRconfig.cfg file.->		<myhost,svr,log>
2222795	GRADIENT DRIVER TESTS CONFIGURATION CONFLICT\n The Gradient Tests do NOT detect a GRAM on the %c axis and this\n does not agree with the entry in the MRconfig.cfg file.->		<myhost,svr,log>
2222796	GRADIENT DRIVER TESTS CONFIGURATION CONFLICT\n The Gradient Tests have detected an ASM on the %c axis but this\n does not agree with the entry in the MRconfig.cfg file.->		<myhost,svr,log>
2222797	GRADIENT DRIVER TESTS CONFIGURATION CONFLICT\n The Gradient Tests do NOT detect an ASM on the %c axis and this\n does not agree with the entry in the MRconfig.cfg file.->		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222798	GRADIENT DRIVER TESTS CONFIGURATION CONFLICT\n The Gradient Tests have detected a GASM on the %c axis but this\n does not agree with the entry in the MRconfig.cfg file.->		<myhost,svr,log>
2222799	GRADIENT DRIVER TESTS CONFIGURATION CONFLICT\n The Gradient Tests do NOT detect a GASM on the %c axis and this\n does not agree with the entry in the MRconfig.cfg file.->		<myhost,svr,log>
2222800	GRADIENT DRIVER TESTS CONFIGURATION CONFLICT\n The Gradient Tests have detected the power modules connected in SERIES\n on the %c axis but this does not agree with the entry in the\n MRconfig.cfg file.->		<myhost,svr,log>
2222801	GRADIENT DRIVER TESTS CONFIGURATION CONFLICT\n The Gradient Tests have detected the power modules connected in PARALLEL\n on the %c axis but this does not agree with the entry in the\n MRconfig.cfg file.->		<myhost,svr,log>
2222802	GRADIENT DRIVER TESTS CONFIGURATION CONFLICT\n The Gradient Tests have detected ONE power module on the %c axis but this\n does not agree with the entry in the MRconfig.cfg file.->		<myhost,svr,log>
2222803	GRADIENT DRIVER TESTS CONFIGURATION CONFLICT\n The Gradient Tests have detected TWO power modules on the %c axis but this\n does not agree with the entry in the MRconfig.cfg file.->		<myhost,svr,log>
2222804	GRADIENT DRIVER TESTS CONFIGURATION CONFLICT\n Gradient Tests have detected one or more conflicts between the\n actual GAP/GIP hardware configuration and the entries in the\n MRconfig.cfg file. Gradient Tests will run to the extent possible.->		<myhost,svr,log>
2222805	GRADIENT DRIVER TESTS CONFIGURATION CONFLICT\n The Gradient Tests have detected a mismatch between the actual GRAM\n revision and the GRAM revision in the MRconfig.cfg file.->\n Axis: %c\n GRAM rev (config file): %d\n GRAM rev (actual): %d		<myhost,svr,log>
2222806	GRADIENT DRIVER TESTS CONFIGURATION CONFLICT\n The Gradient Tests have detected that the revisions of all installed\n GRAM's are not identical.->\n Axis: %c GRAM Revision: %d\n Axis: %c GRAM Revision: %d		<myhost,svr,log>
2222807	GRADIENT SIGNAL LIMIT UPDATE ERROR\n An invalid GRAM type was specified. No signal limit updates have occurred.\n Check MRconfig.cfg for valid GRAM types.->\n Bad GRAM type: %d		<myhost,svr,log>
2222808	GRADIENT SIGNAL LIMIT UPDATE ERROR\n Could not open the following signal limit file. Check that the file exists.\n No signal limit updates have occurred.->\n File: %s%s		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222809	GRADIENT SIGNAL LIMIT UPDATE ERROR\n The signal limit <example> is missing from the following signal limit file.\n Fix the file and reset TPS.->\n File: %s%s		<myhost,svr,log>
2222810	GRADIENT SIGNAL LIMIT UPDATE ERROR\n One of the signal limit files contains an invalid signal name.\n Fix the file and reset TPS.->\n File: %s%s\n Invalid signal name: %s		<myhost,svr,log>
2222811	GRADIENT SIGNAL LIMIT UPDATE ERROR\n One of the signal limit files contains a duplicate signal name.\n Fix the file and reset TPS.->\n File: %s%s\n Duplicate signal name: %s		<myhost,svr,log>
2222812	GRADIENT SIGNAL LIMIT UPDATE ERROR\n One of the signal limit files contains a signal limit line that does not have\n the required number of new limits. Fix the file and reset TPS.->\n File: %s%s\n The signal %s does NOT have exactly %d new limits.		<myhost,svr,log>
2222813	GRADIENT SIGNAL LIMIT UPDATE ERROR\n One of the signal limit files is missing one or more signal entries.\n Fix the file and reset TPS.->\n File: %s%s\n Missing %d of %d signal name entries.		<myhost,svr,log>
2222814	GDT TEST TOLERANCE UPDATE ERROR\n Could not open the following tolerance file. Check that the file exists.\n No test tolerance updates have occurred.->\n File: %s%s		<myhost,svr,log>
2222815	GDT TEST TOLERANCE UPDATE ERROR\n The tolerance [START] keyword is missing from the following tolerance file.\n Fix the file and run selected diags again.->\n File: %s%s		<myhost,svr,log>
2222816	GDT TEST TOLERANCE UPDATE ERROR\n The tolerance file contains an invalid tolerance number field.\n Fix the file and run selected diags again.->\n File: %s%s\n Tolerance number: %d\n (valid range is %d to %d)		<myhost,svr,log>
2222817	GDT TEST TOLERANCE UPDATE ERROR\n The tolerance file contains a duplicate tolerance number field.\n Fix the file and run selected diags again.->\n File: %s%s\n Tolerance number: %d		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222818	GDT TEST TOLERANCE UPDATE ERROR\n The tolerance file contains an invalid tolerance entry that could not\n be processed. Fix the file and run selected diags again.->\n File: %s%\n Line number in file: %d		<myhost,svr,log>
2222819	GRADIENT DRIVER TESTS - TEST TOLERANCE UPDATE ERROR\n An error was detected while validating the contents of the test\n tolerance file. No test tolerances have been updated. Gradient\n Tests will be attempted, but false errors may be logged as a result.->		<myhost,svr,log>
2222820	GRADIENT DRIVER TESTS - TEST TOLERANCE UPDATE ERROR\n An error occurred while updating test tolerances. Only %d of %d new\n test tolerances where updated. GAP/GIP diags will be attempted, but false\n errors may be logged as a result.->		<myhost,svr,log>
2222821	GDT - SIGNAL LIMIT UPDATE ERROR\n An error occurred while updating ASM signal limits. Only %d of %d new ASM\n signal limits where updated. Gradient Tests will be attempted, but false\n errors may be logged as a result.->		<myhost,svr,log>
2222822	GDT - SIGNAL LIMIT UPDATE ERROR\n An error occurred while updating GASM signal limits. Only %d of %d new GASM\n signal limits where updated. Gradient Tests will be attempted, but false\n errors may be logged as a result.->		<myhost,svr,log>
2222823	GDT - SIGNAL LIMIT UPDATE ERROR\n An error was detected while validating the contents of the ASM, GASM, or\n RTM signal limit files. No signal limits have been updated. Gradient Tests\n will be attempted, but false errors may be logged as a result.->		<myhost,svr,log>
2222824	GDT DYNAMIC TEST FAILURE\n The LCA's may have failed to play out all Gradient waveform data\n since an EOS interrupt was not received after %d seconds.\n FRU(s): IPG		<myhost,svr,log>
2222825	MDS LINK\n The SPI received a MDS error packet with an opcode that it\n does not recognize and cannot process.\n Opcode: %02xH (Gradient MDS Peripheral=0, RF MDS Peripheral=1)\n Periph Addr: %xH		<myhost,svr,log>
2222826	MDS LINK\n The MDS Link test was not able to finish due to link failures.\n Only %d of %d data packets (%d bytes each) were transmitted and\n received with no errors. Rerun the MDS link diags.		<myhost,svr,log>
2222827	MDS LINK\n The Gradient MDS Peripheral has failed to timeout and send a MDS BROKE\n packet to the SPI. Cycle power on the Gradient MDS Peripheral.\n Check Gradient MDS Peripheral power.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222828	MDS LINK\n The Gradient MDS Peripheral is still sending MDS BROKE packets to the\n SPI even though the MDS link appears to be good and the Gradient MDS\n Peripheral is being frequently accessed.		<myhost,svr,log>
2222829	POWER MONITOR ERROR\n The SPI has received an invalid response code from the\n Power Monitor. Response code = %02xH. Error could be caused\n by the Power Monitor or the RF MDS Peripheral.		<myhost,svr,log>
2222830	GDT - DIGITAL TUNING VALUES UPDATE ERROR\n The IPG could not open the `gram_tune.dat' file in /usr/g/caldir.\n Please do restore info or run Grafidy to create the file.\n The selected diagnostic(s) cannot be run as a result.		<myhost,svr,log>
2222831	GDT - DIGITAL TUNING VALUES UPDATE ERROR\n MDS link errors occurred while loading the Digital Tuning\n values into the GAP/GIP. The selected diagnostic(s) cannot\n be run as a result. Run MDS Link diagnostics.		<myhost,svr,log>
2222832	GDT - DIGITAL TUNE BD CONFIG ERROR\n The MRconfig.cfg file has Digital Tune Bds configured, but\n software does NOT detect all 3 Digital Tune Bds.\n Set digiTuningBoard='no' or switch all axes to Digital Tune\n Bds & reset TPS. Check GRAM DIP switch on MIF.->		<myhost,svr,log>
2222833	GDT - DIGITAL TUNING CONFIG ERROR\n MRconfig.cfg file does not have Digital Tuning configured, but\n software detects Digital Tuning Hardware.\n Set digiTuningBoard='yes' or switch all axes to Analog Tune\n Bds & reset TPS. Check GRAM DIP switch on MIF.->		<myhost,svr,log>
2222834	GRADIENT DRIVER TESTS - Gradient Diags will not be executed\n on ANY Axes. One or more Digital Tuning configuration conflicts\n exist. Please see previous error messages.		<myhost,svr,log>
2222835	LCOIL ADJUSTMENT FAILURE\n The LCA's may have failed to play out all Gradient waveform data\n since an EOS interrupt was not received after %d seconds.\n FRU(s): IPG		<myhost,svr,log>
2222836	LCOIL ADJUSTMENT ERROR\n Could not open the /usr/g/caldir/gram_tune.dat file for write access.\n No LCoil values were written to this file.		<myhost,svr,log>
2222837	LCOIL ADJUSTMENT ERROR\n Invalid %c Axis LCoil value computed via the LCoil Adjustment procedure.\n Value must be > 0. Value = %d.\n Re-execute procedure or calibrate LCoil manually.		<myhost,svr,log>
2222838	LCOIL ADJUSTMENT ERROR\n Invalid %c Axis LoopGain value computed via the LCoil Adjustment\n procedure. Value must be > 0. Value = %d.\n Re-execute procedure or calibrate LoopGain manually.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222839	Gradient Communication Error.\n\ The Gradient MDS Peripheral is not responding to commands via the MDS link.\n\ Possible causes: MDS link broke, Gradient MDS Peripheral Board,\n\ or Gradient MDS Peripheral Power Supply.		<myhost,svr,log>
2222840	DIGITAL DC OFFSET CALIBRATION ERROR\n\ Could not open the /usr/g/caldir/gram_tune.dat file for write access.\n\ No Digital DC Offset values were written to this file.		<myhost,svr,log>
2222841	RF Amplifier State Transition Fault.\n\ The RF Amplifier was commanded to standby, but its status indicates\n\ it is not transitioning or in standby.\n\ Status: 0x%02X		<myhost,svr,log>
2222842	RF Amplifier Type Mismatch.\n\ The RF Amplifier type detected in the system does not agree with\n\ the RFampType selected in the MRConfig.cfg file.\n\ Type Read: %d\n\ Type in MRconfig.cfg: %d		<myhost,svr,log>
2222843	RF Amplifier Type Unknown.\n\ The RF Amplifier type detected in the system does not match any\n\ currently known RF Amplifier types. Please check the RF Amplifier\n\ and communication cables to the RF Amplifier.\n\ Type Read: 0x%02X		<myhost,svr,log>
2222980	IPG datapath exec could not allocate CPU memory.\n\ IPG Datapath diagnostics were aborted before tests were run.\n\ CPU memory may be too fragmented. Reset TPS and try again.		<svr,myhost,log>
2222981	IPG datapath exec could not spawn a task to run IPG test %d.\n\ Reset TPS and try again.		<svr,myhost,log>
2222982	IPG datapath exec could not create a message queue.\n\ Error status returned by vxWorks : %08x\n\ Any IPG-based datapath tests selected were not run.\n\ Reset TPS and try again.		<svr,myhost,log>
2222983	IPG datapath exec failed to pend on datapath message queue.\n\ Reset TPS and try again.\n\ vxWorks status: %08x		<svr,myhost,log>
2222984	IPG datapath test %d stopped itself due to irrecoverable errors. Failed IPG-TPS Memory datapath address line test.\n		<svr,myhost,log>
2222985	Check address bus or RAM modules.\n\ (ignore): %d\n\ address: %08x\n\ written: %08x\n\ expected: %08x\n\ actual: %08x		<svr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2222986	Failed IPG-TPS memory datapath pattern test.\n Check RAM modules.\n (ignore): %d\n address: %08x\n written: %08x\n expected: %08x\n actual: %08x		<srv,myhost,log>
2222987	IPG datapath.\n Error used during code development.\n Needs a new ermes created on the next code update.		<srv,myhost,log>
2223360	TPS SYSTEM LEVEL EXERCISER - AP/XD DMA TEST FAILURE\n Timed out waiting for interrupt service routine to post a message, either \n the receiver processors or the AP has unexpectedly stopped functioning.		<myhost,srv,log>
2223361	TPS SYSTEM LEVEL EXERCISER - %b TEST FAILURE\n Image database library functions exit call returned an error. \n Unable to do image library function cleanup now, automatic cleanup will \n take place during next execution of the SLEs.		<myhost,srv,log>
2223362	2D 2 NEX		<myhost,srv,log>
2223363	2D 1/2 NEX		<myhost,srv,log>
2223364	2D 1 NEX		<myhost,srv,log>
2223365	3D		<myhost,srv,log>
2223366	CINE		<myhost,srv,log>
2223367	Attention: Test number does NOT correspond to any expected test.\n Please inform diags team of the problem.		<myhost,srv,log>
2223368	TPS SYSTEM LEVEL EXERCISER - %b TEST FAILURE\n Stand Alone Recon returned a failure status: \n %b \n \n TPS will automatically be downloaded before the next test is executed.		<myhost,srv,log>
2223369	TPS SYSTEM LEVEL EXERCISER - %b TEST FAILURE\n Unable to deallocate current series in the image database \n (image library remove series function returned an error) - problem with \n image database.\n Automatic cleanup will take place in next run of SLEs.		<myhost,srv,log>
2223370	TPS SYSTEM LEVEL EXERCISER - CHECKSUM FILE DID NOT GET GENERATED\n Unable to generate checksum file due to errors encountered during \n execution...file will not be written.\n Check the log (fix the problems) and try again.		<myhost,prg,log>
2223371	TPS SYSTEM LEVEL EXERCISER - AP/XD DMA TEST FAILURE\n DAB Status register is not cleared after setting up the DAB for the test.\n register contents: %08xH		<myhost,srv,log>
2223372	TPS SYSTEM LEVEL EXERCISER - AP/XD DMA TEST FAILURE\n Data written to TPS Memory from the XD bus (via receiver processors) \n does not match expected value.\n Address: %08xH\n Expected: %08xH Actual: %08xH		<myhost,srv,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2223373	TPS SYSTEM LEVEL EXERCISER - AP/XD DMA TEST FAILURE\nData written to TPS Memory by the AP does not match expected value.\nAddress: %08xH\nExpected: %08xH Actual: %08xH		<myhost,svr,log>
2223374	TPS SYSTEM LEVEL EXERCISER - AP/XD DMA TEST FAILURE\nFailed the AP open call. \nValue returned by zopen: %08xH.		<myhost,svr,log>
2223375	TPS SYSTEM LEVEL EXERCISER - AP/XD DMA TEST FAILURE\nFailed the AP init call.\nValue returned by zinit: %08xH.		<myhost,svr,log>
2223376	TPS SYSTEM LEVEL EXERCISER - AP/XD DMA TEST FAILURE\nFailed the AP translate call. \nValue returned by ztrans: %08xH.		<myhost,svr,log>
2223377	TPS SYSTEM LEVEL EXERCISER - AP/XD DMA TEST FAILURE\nAP read of TPS Memory failed.\nAddress of block: %08xH		<myhost,svr,log>
2223378	TPS SYSTEM LEVEL EXERCISER\nTests are being stopped without execution due to previous errors.\nA shutdown and restart of Signa is necessary to clear setup error \nflag (may be necessary to resolve problem which caused errors).		<myhost,svr,log>
2223379	TPS SYSTEM LEVEL EXERCISER - TESTS WILL NOT BE RUN\nThe System Level Exercisers are being stopped without \nexecution due to previous failures. Check log for more information on \nwhat caused the problem.		<myhost,svr,log>
2223380	TPS SYSTEM LEVEL EXERCISER\nUnable to allocate/update exam or dummy series in the image database.\nProblems with image library functions or genesis image database.\nSLEs will not run without a shutdown and restart of Signa.		<myhost,svr,log>
2223381	TPS SYSTEM LEVEL EXERCISER\nUnable to deallocate exam in the image database (problems with image library \nfunctions or genesis image database). Automatic cleanup will take place \nduring next run of SLEs.		<myhost,svr,log>
2223382	TPS SYSTEM LEVEL EXERCISER - %b TEST FAILURE\nUnable to allocate/update the series and image space required for the \ncurrent test (problems with image library functions or genesis image \ndatabase).		<myhost,svr,log>
2223383	TPS SYSTEM LEVEL EXERCISER\nUnable to initialize the image database library functions \n(problems with image library functions or genesis image database)\nSLEs will not run without a shutdown and restart of Signa.		<myhost,svr,log>
2223384	TPS SYSTEM LEVEL EXERCISER\nUnable to initialize the raw database manager library functions.\nCheck the communications path between the host and the TPS chassis.\nError reported by rdbm function: \n %b		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2223385	TPS SYSTEM LEVEL EXERCISER - %b TEST FAILURE\n\nUnable to open/create the System Level Exerciser checksum file,\n%s/%s.\n\nCheck file protections and TRY AGAIN...if it fails, file may be \ corrupted or non-existent.\n\nReload LFC tape.		<myhost,svr,log>
2223386	TPS SYSTEM LEVEL EXERCISER - %b TEST FAILURE\n\nUnable to open the System Level Exerciser RDBM data file,\n%s.\n\nCheck file protections and TRY AGAIN...if it fails, file may be \ corrupted or non-existent.\n\nReload LFC tape.		<myhost,svr,log>
2223387	TPS SYSTEM LEVEL EXERCISER - %b TEST FAILURE\n\nRDBM function returned error during allocation/open/read. TRY AGAIN!\n\nIf it fails, problem may require shutdown of Signa to clean up.\n\nRDBM Error returned: %b.		<myhost,svr,log>
2223388	TPS SYSTEM LEVEL EXERCISER - %b TEST FAILURE\n\nRDBM function returned error during write/close. TRY AGAIN!\n\nIf it fails, problem may require shutdown of Signa to clean up.\n\nRDBM Error returned: %b.		<myhost,svr,log>
2223389	TPS SYSTEM LEVEL EXERCISER - %b TEST FAILURE\n\nUnable to read the System Level Exerciser checksum file,\n%s/%s.\n\nCheck file protections and TRY AGAIN...if it fails, file may be \ corrupted or non-existent.\n\nReload LFC tape.		<myhost,svr,log>
2223390	TPS SYSTEM LEVEL EXERCISER - %b TEST FAILURE\n\nImage Library function returned an error when attempting to \ select an image or read the image pixel data. Problem with image library \ functions or genesis image database.		<myhost,svr,log>
2223391	TPS SYSTEM LEVEL EXERCISER - %b TEST FAILURE\n\nChecksum generated by the current run does not match the expected value.\n\nExpected checksum: %d Actual checksum: %d\n\nNumber of failed images (this test): %d of %d		<myhost,svr,log>
2223392	TPS SYSTEM LEVEL EXERCISER - TPS DOWNLOAD FAILURE\n\nDownload and/or startup of applications code failed. Check error log for \ message returned by TPS reset process.\n\nUnable to continue with System Level Exercisers.\n\nTPS download status returned: %d		<myhost,svr,log>
2223393	TPS SYSTEM LEVEL EXERCISER - TEST IS NOT READY\n\nYou have selected the %b which has not been released.\n\nNOTE: this error will NOT affect creation of the checksum file...\n\nthe file will be created with values for this test set to 0's.		<myhost,svr,log>
2223394	%b Running		<myhost,opr,diag>
2223395	DIAGS STATUS MESSAGE\n\n%s diags have begun execution.\n\n(command word received = %08x H ; Loop mode = %d ; SLE = %d)		<myhost,prg,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2223396	DIAGS STATUS MESSAGE\n\n%s diags have been stopped. The test(s) did not run to completion.		<myhost,prg,log>
2223397	Rcvr 2D 2 NEX		<myhost,svr,log>
2223398	Rcvr 2D 1/2 NEX		<myhost,svr,log>
2223399	Rcvr 2D 1 NEX		<myhost,svr,log>
2223400	Rcvr 3D		<myhost,svr,log>
2223401	Rcvr CINE		<myhost,svr,log>
2223402	DIAGS STATUS MESSAGE\n\n%s diags have finished execution.		<myhost,prg,log>
2223403	TPS SYSTEM LEVEL EXERCISER - %b TEST FAILURE\n\nUnable to create the pathname for the System Level Exerciser RDBM data file,\n\n%s.\n\nCheck file and directory protections and TRY AGAIN...if it fails, file may be \n\nCorrupted or non-existent.\n\nReload LFC tape.		<myhost,svr,log>
2223404	TPS SYSTEM LEVEL EXERCISER - %b TEST FAILURE\n\nUnable to read the System Level Exerciser RDBM data file,\n\n%s.\n\nCheck file and directory protections and TRY AGAIN...if it fails, file may be \n\nCorrupted or non-existent.\n\nReload LFC tape.		<myhost,svr,log>
2223405	TPS SYSTEM LEVEL EXERCISER - %b TEST FAILURE\n\nUnable to create pathname for System Level Exerciser Checksum data file,\n\n%s/%s.\n\nCheck file and directory protections and TRY AGAIN...if it fails, file may be \n\nCorrupted or non-existent.\n\nReload LFC tape.		<myhost,svr,log>
2223406	DIAGS STATUS MESSAGE\n\nThe SLE diags were stopped while uninterruptable processes were running\n\non the TPS. A reset of the TPS is occurring to stop these processes.		<myhost,svr,log>
2223407	TPS SYSTEM LEVEL EXERCISER - %b TEST FAILURE\n\nThe test indicated all %d images failed. In release 5.2 there is a known\n\nsoftware timing problem which may cause this to occur.\n\nIf the problem is intermittent, the failure should be ignored.		<myhost,svr,log>
2223408	SLE failed in opening max image files		<myhost,prg,log>
2223409	SLE failed in reading protocol config file: %s		<myhost,prg,log>
2223410	SLE failed to initiate communication with SVAT process		<myhost,prg,log>
2223411	SLE failed in modifying /w/config/ipg_stage file		<myhost,prg,log>
2223412	SLE failed in creating /w/config/ipg_stage.SLE file		<myhost,prg,log>
2223413	SLE failed in sending protocol name %s to SVAT process.		<myhost,prg,log>
2223414	SLE failed in reading protocol config file: %s		<myhost,prg,log>
2223415	SLE failed in reading BAM size from MRConfig.cfg file		<myhost,prg,log>
2223416	SLE failed in %s image checksum file: %s		<myhost,prg,log>
2223417	Checksum data number not equal to the number of images		<myhost,prg,log>
2223418	SLE failed in reading no. %d image created by protocol %d in group %d		<myhost,prg,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2223419	SLE failed in reading pixel hdr of no. %d image created by protocol %d in group %d		<myhost,prg,log>
2223420	TPS NOREC checksum is not the same as the golden NOREC checksum\n for image no %d, group %d protocol %d		<myhost,prg,log>
2223421	SLE reported the TPS image checksum is not equal to the Host checksum,\n but Host checksum is the same as the Golden checksum. This indicates\n there might be a problem with image reconstruction.		<myhost,prg,log>
2223422	SLE reported the TPS image checksum is not equal to the Host checksum,\n but TPS checksum is the same as the Golden checksum. This indicates\n there might be a problem with image transfer to the host.		<myhost,prg,log>
2223423	Host checksum not equal to TPS checksum, the SLE checksum files will not be created.		<myhost,prg,log>
2223424	A temporary ipg_stage file is created to emulate RF, Gradient, SRI, Table & PAC. \n The original ipg_stage file is renamed as ipg_stage.SLE and \n will be restored when TPS download is done. \n Disregard the staging messages logged by process: HPC_PORT_ID.		<myhost,prg,log>
2223425	SLE diags did not restore the ipg_stage file after running. The file has\n now been restored. You should reset the TPS chassis from the Utilities menu\n before attempting to scan.		<myhost,prg,log>
2223426	SLE failed in reading protocol file: %s		<myhost,prg,log>
2223427	Summary of the protocol that SLE is running: %s		<myhost,prg,log>
2223428	SLE failed in checksum comparison in group: %d protocol: %d image no:%d\n Check TPS Hardware.		<myhost,prg,log>
2223429	there is a problem with AP hardware		<myhost,prg,log>
2223430	there is a problem with DAB hardware		<myhost,prg,log>
2223431	there is a problem with BAM hardware		<myhost,prg,log>
2223432	there is a problem with image transfer		<myhost,prg,log>
2223433	Host checksum is NOT equal to TPS checksum and checksum file \n will not be created		<myhost,prg,log>
2223434	SLE communication with TPS failed. Please check the status of TPS		<myhost,prg,log>
2223435	SLE has stop running because there are norec checksum errors detected		<myhost,prg,log>
2223436	SLE was unable to run. Check log for related error messages \n from scan or other processes.		<myhost,prg,log>
2223437	SLE can't find Series:%d in the image database		<myhost,prg,log>
2223438	SLE can't find Image:%d in the image database		<myhost,prg,log>
2223439	SLE cannot be run because of insufficient image space.\n Image space can be restored through the Archive function.		<myhost,prg,log>
2223440	SLE didn't receive scan ready mail from SCAN, and SLE will stop.		<myhost,prg,log>
2223441	SLE didn't receive scan complete mail from SCAN, and SLE will stop.		<myhost,prg,log>
2223442	SLE failed in removing exam %d		<myhost,prg,log>
2223443	Stop diags mail was received in the middle of running SLE. SLE will remove image \n space allocated for exam %d while image reconstruction is going on. Please ignore \n error messages regarding problems with image installation.		<myhost,prg,log>
2223616	Internal Software Error. Try to use a NULL NMRID.		<log,prg,myhost>
2223617	NMRID:%s has been previously defined.		<log,prg,myhost>
2223618	CM data base is full.		<log,prg,myhost>
2223619	RPC call failed. The NMRID is:%s.		<log,prg,myhost>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2223620	Internal Software Error. Try to delete an undefined NMRID:%s.		<log,prg,myhost>
2223621	Internal Software Error. Can't callback on undefined NMRID:%s.		<log,prg,myhost>
2223622	NMRID:%s not found.		<log,prg,myhost>
2223623	Try to delete a non-empty mailbox %s.		<log,prg,myhost>
2223624	theMonitor does not exist.		<log,prg,myhost>
2223625	Send packet opcode:%d seqnum:%d rev:%d type:%d length:%d req:%s resp:%s status:%d failed.		<log,prg,myhost>
2223626	Failed in trying to take a message off Monitor Message Queue.		<log,prg,myhost>
2223627	Internal Software Error. Registered object:%s doesn't respond to registered selector:%s.		<log,prg,myhost>
2223628	Internal Software Error. NMRID table overflow.		<log,prg,myhost>
2223629	Internal Software Error. Lookup table overflow.		<log,prg,myhost>
2223630	Internal Software Error. Buff length %d exceeds maximal size.		<log,prg,myhost>
2223631	Internal Software Error. Try to reply to a response packet.		<log,prg,myhost>
2223632	Internal Software Error. Response table is full.		<log,prg,myhost>
2223633	Internal Software Error. Ignore response table is full.		<log,prg,myhost>
2223634	Call to the proxy object failed.		<log,prg,myhost>
2223635	NO MrMail available.		<log,prg,myhost>
2223636	Can't open packet logger.		<log,prg,myhost>
2223637	Internal Software Error. Can't find sequence number %d in the response table.		<log,prg,myhost>
2223638	Timeout in getting response packet.		<log,prg,myhost>
2223639	Environmental variable TPSHOST is not defined.		<log,prg,myhost>
2223640	Internal software error.		<log,prg,myhost>
2223641	RPC call fails, can't encode arguments, NMRID:%s.		<log,prg,myhost>
2223642	RPC call fails, can't decode results, NMRID:%s.		<log,prg,myhost>
2223643	RPC call fails, failure in sending call, NMRID:%s.		<log,prg,myhost>
2223644	RPC call fails, failure in receiving result, NMRID:%s.		<log,prg,myhost>
2223645	RPC call fails, call timed out, NMRID:%s.		<log,prg,myhost>
2223646	RPC call fails, rpc versions not compatible, NMRID:%s.		<log,prg,myhost>
2223647	RPC call fails, authentication error, NMRID:%s.		<log,prg,myhost>
2223648	RPC call fails, program not available, NMRID:%s.		<log,prg,myhost>
2223649	RPC call fails, program version mismatched, NMRID:%s.		<log,prg,myhost>
2223650	RPC call fails, procedure unavailable, NMRID:%s.		<log,prg,myhost>
2223651	RPC call fails, decode arguments error, NMRID:%s.		<log,prg,myhost>
2223652	RPC call fails, generic other problem, NMRID:%s.		<log,prg,myhost>
2223653	RPC call fails, unknown host name, NMRID:%s.		<log,prg,myhost>
2223654	RPC call fails, the pmapper failed in its call, NMRID:%s.		<log,prg,myhost>
2223655	RPC call fails, remote program is not registered, NMRID:%s.		<log,prg,myhost>
2223656	RPC call fails, unspecified error, NMRID:%s.		<log,prg,myhost>
2223657	Received a packet with wrong revision number.		<log,prg,myhost>
2223658	Internal Software Error. No name specified, no MrMail permanent connection.		<log,prg,myhost>
2223659	MrMail permanent connection to process %s nmrId %s failed.		<log,prg,myhost>
2223660	Delete MrMail permanent connection to %s nmrId %s failed.		<log,prg,myhost>
2223661	MrMail permanent connection to loader daemon failed.		<log,prg,myhost>
2223662	Delete MrMail permanent connection to loader daemon failed.		<log,prg,myhost>
2223663	Look up TPS loader daemon failed.		<log,prg,myhost>
2223664	Event Handling initialization failed for nmrId %s.		<log,prg,myhost>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2223665	The local Host %s defined in config file Host.cfg is not valid.		<log,prg,myhost>
2223666	Internal Software Error. MrMail failed to connect with nmrId %s, node %d, port %d.		<log,prg,myhost>
2223816	The packet with opcode:%d from NMRID:%s is not expected by NSP. \n %s.		<log,prg,myhost>
2223817	TPS is not responding. Please reset TPS.		<log,opr,pri6,myhost>
2223818	IPG is not responding. Please download TPS/IPG.		<log,opr,pri6,myhost>
2223819	NSP is not responding to proxy request, reboot system.		<log,opr,pri6,myhost>
2223820	NSP PID table is full.		<log,prg,myhost>
2223821	NSP registration table is full.		<log,prg,myhost>
2223822	Reset TPS was not successful.\n\ Check System Cabinet power and connections via BIT3 interface.\n\ errno : %d		<log,opr,myhost>
2223823	Reading power-up result failed. errno: %d.		<log,prg,myhost>
2223824	%s power-up diagnostics report error %d. This error is not in the \ defined range of errors for power-up diagnostics.		<log,myhost,opr>
2223825	Received a packet with opcode: %d, but wrong packet structure.		<log,prg,myhost>
2223826	Failed in deleting a terminated process with PID: %d.		<log,prg,myhost>
2223827	Failed in sending the pid:%d of a terminated process to GAPI.		<log,prg,myhost>
2223828	Failed in sending power-up result to internet: %d portno: %d.		<log,prg,myhost>
2223829	NSP calls tn_init failed. errno is : %d.		<log,prg,myhost>
2223830	NSP sends download file to %s loader daemon failed.		<log,prg,myhost>
2223831	TPS loader daemon is not up.		<log,prg,myhost>
2223832	IPG loader daemon is not up.		<log,prg,myhost>
2223833	Download %s failed, invalid packet.		<log,prg,myhost>
2223834	Download %s failed, can't open the file.		<log,prg,myhost>
2223835	Download %s failed, not enough contiguous RAM.		<log,prg,myhost>
2223836	Download %s failed, ldLoadAt() system call failed.		<log,prg,myhost>
2223837	Download %s failed, can't not read the first 32 bytes.		<log,prg,myhost>
2223838	Failed in creating an MrMail instance: %s.		<log,prg,myhost>
2223839	NSP initialization failed in object: %s.		<log,prg,myhost>
2223840	NSP failed in synchronizing Unix time.		<log,prg,myhost>
2223841	TardisReset Proxy client disabled.		<log,prg,myhost>
2223842	TardisReset Proxy client connect failed.		<log,prg,myhost>
2223843	TardisReset Proxy send to server failed.		<log,prg,myhost>
2223844	NSP redefine NMRID in the CM data base failed.		<log,prg,myhost>
2223845	Environmental variable TPShost is not defined.		<log,opr,myhost>
2223846	Download status packet from %s is not received by NSP.		<log,prg,myhost>
2223847	%s boot status packet is not received by NSP.		<log,prg,myhost>
2223848	%s boot status packet has non-zero value. ermes is %d.		<log,prg,myhost>
2223849	%s EPROM power-up boot failed.		<log,prg,myhost>
2223850	Contents of packet can't be routed to a host application: \n\ opcode:%d seq:%d rev:%d type:%d length:%d stat:%d resp:%s req:%s \n\ First 16 bytes usr data:%s.		<log,prg,myhost>
2224128	GAPI Communication Error - \n An error occurred when the host \n was communicating to TPS GAPI.\n ATTENTION -- TPS download may be ne		<myhost,svr,log>
2224129	GAPI Initialization Error - \n The Tardis Network Initialization failed.\n ATTENTION -- TPS download may be necessary (use RESET TPS softkey)		<myhost,svr,log>
2224130	GAPI MrMail Error - \n GAPI timed out before a mail packet\n was received.\n ATTENTION -- TPS download may be necessary (use RESET TPS		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2224131	GAPI BAD OPCODE Error - \n GAPI received an opcode that it did not understand. INTERNAL ERROR - file an SPR.\n TPS Download MUST		<myhost,svr,log>
2224132	GAPI PID MISMATCH error - \n GAPI could not find the requesting process\n entry. The process ID must first be defined.		<myhost,svr,log>
2224133	GAPI PATHNAME NOT FOUND Error - \n The specified pathname was not found.		<myhost,svr,log>
2224134	GAPI DOWNLOAD Error - \n GAPI could not download the\n module to BAM.\n ATTENTION -- TPS download may be necessary (use RESET T		<myhost,svr,log>
2224135	GAPI PATH Error - \n The path name of the function\n is too long. The maximum\n path length is 256 characters.		<myhost,svr,log>
2224136	GAPI FUNCTION NOT FOUND Error - \n GAPI could not locate the requested\n function within the specified file.		<myhost,svr,log>
2224137	GAPI PATH Error - \n The path name of the function to be\n invoked is too long. The maximum\n function length is 128 characters.		<myhost,svr,log>
2224138	GAPI ENQUEUE Error - \n GAPI could not queue the RFC call on the TPS queues.\n ATTENTION -- TPS download may be necessary (use RES		<myhost,svr,log>
2224139	GAPI BAM DEALLOCATION Error - \n GAPI could not release the BAM segment\n because it is not allocated by the\n requesting PID.		<myhost,svr,log>
2224140	GAPI READ OF BAM Failed - \n An error occurred when reading BAM.\n ATTENTION -- TPS download may be necessary (use RESET TPS soft		<myhost,svr,log>
2224141	GAPI WRITE TO BAM Failed - \n An error occurred when writing data to BAM.\n ATTENTION -- TPS download may be necessary (use RESET T		<myhost,svr,log>
2224328	%s initialization failed.		<myhost,log,prg>
2224329	Multi-client Shared Memory Error		<myhost,log,prg>
2224330	tn_%s error, errno = %d\n%s		<myhost,log,prg>
2224331	MrMail failed in reading MrMail packet		<myhost,log,prg>
2224332	unknown MrMail from %s opcode = %d		<myhost,log,prg>
2224333	raw partition id error -> couldn't create		<myhost,log,prg>
2224334	Image DataBase error		<myhost,log,prg>
2224335	couldn't create thePixelData		<myhost,log,prg>
2224336	writeHdr failed ... count = %ld errno = %d		<myhost,log,prg>
2224337	dataSize error ... count = %ld errno = %d		<myhost,log,prg>
2224338	putData failed, errno = %d, sent %d, expected to send %d		<myhost,log,prg>
2224339	getData failed, errno = %d		<myhost,log,prg>
2224340	installImage failed		<myhost,log,prg>
2224341	unknown GpcMail from %s mailkey = %d		<myhost,log,prg>
2224342	GpcMail failed in reading GpcMail packet		<myhost,log,prg>
2224343	unknown xferType		<myhost,log,prg>
2224344	%d/%d/%d\n%d/%d		<myhost,recn,opr>
2224345	Internal Software Error, %s		<myhost,log,prg>
2224346	IPAMail send failed - %s		<myhost,log,prg>
2224347	pixel header length field (%d) is inconsistent with\n recon supplied data (%d)		<myhost,log,prg>
2224348	Can not install image, Database is full. Please remove images.		<myhost,prf6,opr>
2224349	Retain of image %d/%d/%d failed. idbErr: %d, dbErr: %d.		<myhost,log,prg>
2224350	Drop of image %d/%d/%d failed. idbErr: %d, dbErr: %d.		<myhost,log,prg>
2224351	Trace.		<myhost,log,prg>
2224352	Auto Store, Auto Transfer and Auto Queuing may not have completed for\n exam %d. Check Network, Archive queues and data base of Auto Transfer\n destination host when system is restarted.		<myhost,log,opr>
2224353	TIR received mail with unrecognized type <%d>.		<myhost,log,prg>
2224354	Incorrect SdC version running: %s.		<myhost,log,prg>
2224355	Call to mrMailnitX failed. Error = %d		<myhost,log,prg>
2224356	Unable to register scan for install; out of memory. Exam/Series/Scan: %d %d %d		<myhost,log,prg>
2224357	Unable to connect to X Server		<myhost,log,prg>
2224358	Unable to open image file %s. Errno = %d		<myhost,log,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2224359	Write pixel data failed ... count = %ld errno = %d		<myhost,log,prg>
2224360	Unable to communicate to the Tardis chassis after multiple attempts.\nImage %d/%d/%d was not installed in the database. Check the Bit-3 connection\n\nto the Tardis chassis if further images are lost.		<myhost,log,opr>
2224361	Unable to communicate to the Tardis chassis.\nImage was not installed in the database. Check the Bit-3 connection\n\nto the Tardis chassis if further images are lost.		<myhost,log,opr>
2224362	Internal Software Error.\nUnable to initialize the Raw Data Base \nManager.\nStatus = %d		<myhost,log,prg>
2224363	Internal Software Error.\nRDBM %s call failed with status = %d.		<myhost,log,prg>
2224364	Internal Software Error. Image file allocation failed.		<myhost,pr16,prg>
2224365	tn_read_from errno = 14:\nBAM address = %d\nTransfer size = %d		<myhost,log,prg>
2224366	The lock exam path is null		<myhost,log,prg>
2224367	Unable to attach shared memory segment. (shmId=%d)		<myhost,log,prg>
2224368	Unable to get shared memory id. (shmKey=%d, shmSizeByte=%d)		<myhost,log,prg>
2224369	Shared memory control flag is disable. (flag=%d)		<myhost,log,prg>
2224528	TPS encountered communication error.\nReceive software code = %d		<opr,myhost,log>
2224529	TPS encountered communication error.\nSend software code = %9d		<opr,myhost,log>
2224530	The TPS was unable to initialize.\nUnable to define port for communications with the host.\nSoftware code = %9d		<log,myhost,svr>
2224531	The TPS was unable to establish communication with the host computer.\nSoftware code = %d		<log,myhost,svr>
2224532	The TPS was unable to initialize. Unable to initialize the DAB.		<log,myhost,svr>
2224533	The TPS was unable to initialize.		<log,myhost,svr>
2224534	Multi-coil defaults used.		<myhost,opr,pr18>
2224535	The TPS was unable to initialize. Unable to get TPS memory.		<log,myhost,svr>
2224536	Possible software error during MPS. Run 020 memory diagnostics.		<log,myhost,svr>
2224537	The setup info is incorrect.		<opr,myhost,log>
2224538	\nError setting hardware. Please try again.		<log,myhost,svr>
2224539	Manual Prescan unable to communicate with the TPS. Please try again.		<log,myhost,svr>
2224540	Manual Prescan unable to create TPS start packet. Please try again.		<log,myhost,svr>
2224541	IP device deallocation failed. Trying again.		<log,myhost,prg>
2224542	IP device deallocation failed. Shutdown followed by SIGNA may be necessary.		<log,myhost,svr>
2224543	Termination of Power Spectrum failed. Trying again.		<log,myhost,prg>
2224544	Termination of Power Spectrum failed.\nShutdown followed by SIGNA may be necessary.		<log,myhost,svr>
2224545	Incorrect number of receivers responding. Run diags on receiver boards.		<log,myhost,svr>
2224546	Error reading receiver gains during multi-coil noise acquisition.\n Values may be incorrect.		<log,myhost,svr>
2224547	Error setting up receivers for multi-coil noise frame acquisition.\nValues are defaulted.		<log,myhost,svr>
2224548	Noise acquisition timed out. Values are defaulted.		<log,myhost,svr>
2224549	Noise acquisition ended incorrectly. Values are defaulted.		<log,myhost,svr>
2224550	\nLooping failed to start		<pr16,myhost,svr>
2224551	\nLooping has stopped		<pr18,myhost,svr>
2224552	\nLooping has stopped. Prescan Failed		<pr16,myhost,svr>
2224553	Error resetting receivers after multi-coil noise frame acquisition.\nCheck R1 R2 settings on console - might be incorrect.		<log,myhost,svr>
2224554	Auto Prescan unable to communicate with the TPS. Please try again.		<log,myhost,svr>
2224555	Manual Prescan unable to create TPS start packet. Please try again.		<log,myhost,svr>
2224556	\nAuto Prescan was unable to initialize the TPS. Try again or use Manual Prescan		<myhost,opr,pr16>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2224557	\nAuto Prescan could not complete. Try again or use Manual Prescan.		<myhost,opr,pri6>
2224558	\nAuto Prescan ended abnormally. Try again or use Manual Prescan		<myhost,opr,pri6>
2224559	\nAuto Prescan successful. R1=%1d R2=%2d TG=%3d AX=%9d		<pri8,myhost,opr>
2224560	\nAuto Prescan could not be started. Try again or use Manual Prescan.		<myhost,opr,pri6>
2224561	\nAuto Prescan was stopped at operator request.		<pri8,myhost,opr>
2224562	\nWait for completion or press Stop Scan button to stop Auto Prescan.		<pri8,myhost,opr>
2224563	Internal Auto Prescan software error. Shutdown followed by SIGNA may be necessary.\nLookup of Auto Prescan global port failed.		<log,myhost,svr>
2224564	\nAuto Prescan final settings were outside the defined limits. Use Manual Prescan.		<myhost,opr,pri6>
2224565	\nAuto Prescan successful. R1=%1d R2=%2d TG=%3d AX=%9d set on peak		<pri7,myhost,svr>
2224566	\nAuto Prescan partial completion. R1=%1d R2=%2d TG=%3d. Set AX manually.		<pri6,myhost,opr>
2224567	\nAuto Prescan incomplete. R1=%1d R2=%2d TG=%3d.\n\nCould not identify fat and water peaks. Set AX manually.		<myhost,opr,pri6>
2224568	Auto Prescan failed. Try again or use Manual Prescan.\n%s, a necessary CV for Auto Prescan could not be found.		<log,myhost,svr>
2224569	\nAuto Prescan TG setting outside of defined limits. Use Manual Prescan.		<myhost,opr,pri6>
2224570	Auto Prescan failed. Try again or use Manual Prescan.\nThe entry labels for Auto Prescan do not exist in this psd.		<opr,myhost,log>
2224571	An error occurred during Auto Prescan. Try again or use Manual Prescan		<myhost,opr,pri6>
2224572	Extended dynamic range will improve SNR for this scan.		<myhost,opr,pri6>
2224573	Auto Prescan failed. Use Manual Prescan.\nMissing 'prescan_config.cfg' file.\nContact your GE service representative.		<log,myhost,svr>
2224574	Auto Prescan ended when pause occurred.\nPause Status = %s\nPCM Reason = %s		<log,myhost,svr>
2224575	Auto Prescan failed. Try again or use Manual Prescan.\nAuto Prescan error sending stop scan request to the CPS		<log,myhost,svr>
2224576	Auto Prescan failed. Try again or use Manual Prescan.\nAbnormal status on a STOP:\nPCM status = %d\nState = %d\nIPC PC = %d		<log,myhost,svr>
2224577	Abnormal status on a STOP: (Part 2)\nEOS_State = %d\nHard_state = %d\nIPI_state = %d		<log,myhost,svr>
2224578	Abnormal status on a STOP: (Part 3)\nSSI_State = %d		<log,myhost,svr>
2224579	Auto Prescan failed. Signal was too large to process. Use Manual Prescan.		<opr,myhost,log>
2224580	Auto Prescan failed. Signal was too small to process - use Manual Prescan.		<opr,myhost,log>
2224581	Auto Prescan failed. Possible data acquisition error		<opr,myhost,log>
2224582	Auto Prescan stopped before algorithm complete.		<log,myhost,svr>
2224583	Auto Prescan failed, possible data acquisition failure.		<log,myhost,svr>
2224584	Auto Prescan failed. Try again or use Manual Prescan.\nRun 020 memory diagnostics.		<log,myhost,svr>
2224585	Auto Prescan failed. Try again or use Manual Prescan.\nPossible algorithm failure in APS1.\nCheck start TA in configuration of coil.		<log,myhost,svr>
2224586	Auto Prescan failed. Try again or use Manual Prescan.\nInternal Software memory error.		<log,myhost,svr>
2224587	Auto Prescan failed. Unrecognized CF mode. Try Again or use Manual Prescan.		<opr,myhost,log>
2224588	TG too low. Possible algorithm failure in APS1.\nAuto Prescan failed. Try again or use Manual Prescan.		<log,myhost,svr>
2224589	TG reached the high limit. Check patient positioning\nand verify the patient is not touching the transmit coil.\nTry Auto Prescan again or use Manu		<log,myhost,svr>
2224590	Auto Prescan failed, possible failure in setting DAB or XCVR.		<log,myhost,svr>
2224591	\nA pause occurred during Auto Prescan. Try again or use Manual Prescan.		<myhost,opr,pri6>
2224592	\nAuto Prescan failed. Cannot find Fat/Water peaks. Use Manual Prescan.		<myhost,opr,pri6>
2224593	Center frequency %8d outside valid range for Manual Prescan.		<log,myhost,opr>
2224594	TG Amp calibration attempted for unknown PSD entry point no. %d		<log,myhost,opr>
2224595	\nInvalid entry		<pri6,myhost,opr>
2224596	\nInvalid entry		<pri6,myhost,opr>
2224597	\nInput error - Value must lie in the range %d to %d		<pri6,myhost,opr>
2224598	\nInput error - Select among <P,W,M,I,Q>		<pri6,myhost,opr>
2224599	\nTransmit Gain changes must be <= 50 (1/10 dB)		<pri6,myhost,opr>
2224600	\nAttention - Transmit Gain > 100 (1/10 dB) may cause interruption of RF		<pri7,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2224601	Attempt to access unknown PSD entry point no. %d.		<log,myhost,svr>
2224602	MrMail Error no. %d sending MrMail packet down to Tardis Manual Prescan.		<log,myhost,svr>
2224603	\nLooping already in progress.		<pri6,myhost,svr>
2224604	\nSetup Parameters failed. Please try again.		<pri6,myhost,svr>
2224605	Prescan got error in communicating with Scan.		<log,myhost,svr>
2224606	\nPrescan got error in communicating with Scan.		<pri6,myhost,svr>
2224607	\nSetup Parameters complete.		<pri8,myhost,svr>
2224608	IP call failed.		<log,myhost,svr>
2224609	\nIP allocation failed.		<pri6,myhost,svr>
2224610	IP allocation failed.		<log,myhost,svr>
2224611	Prescan was unable to connect to the EPIC process.		<log,myhost,svr>
2224612	Prescan was unable to collect the entry point table from the EPIC process.		<log,myhost,svr>
2224613	Prescan was unable to collect CV info from the EPIC process.		<log,myhost,svr>
2224614			<pri8,myhost,svr>
2224615	Prescan. Error in IP lib init.		<log,myhost,svr>
2224616	Prescan. Error in IO lib init.		<log,myhost,svr>
2224617	Prescan. Error in RDBM server init.		<log,myhost,svr>
2224618	Prescan. Error in creating Object.		<log,myhost,svr>
2224619	Error in reading 'prescan_config.cfg'.		<log,myhost,svr>
2224620	Error in reading 'MRconfig.cfg'.		<log,myhost,svr>
2224621	Error in reading 'CoilConfig.cfg'.		<log,myhost,svr>
2224622	Error in reading 'mr_gshim_config'.		<log,myhost,svr>
2224623	\nLooping has stopped. Select backup to exit page.		<pri6,myhost,svr>
2224624	\nLooping has stopped. Prescan Failed. Select backup to exit page.		<pri6,myhost,svr>
2224625	\nError. First pick a shim by typing X, Y or Z.		<pri6,myhost,svr>
2224626	\nLabel entered does not exist as an entry point label.		<pri6,myhost,svr>
2224627	\nInput error - Entry must be either ON or OFF.		<pri6,myhost,opr>
2224628	X Gradient shim outside limits.		<log,myhost,svr>
2224629	Y Gradient shim outside limits.		<log,myhost,svr>
2224630	Z Gradient shim outside limits.		<log,myhost,svr>
2224631	Could not set the Gradient Shims.		<log,myhost,svr>
2224632	Could not connect to PSD.		<pri6,log,myhost,svr>
2224633	Invalid RSP name specified -- Please try again.		<pri6,myhost,svr>
2224634	RSP variable lookup failed, error: %d.		<log,myhost,svr>
2224635	Conversion of RSP value failed in CONVERT routine.		<log,myhost,svr>
2224636	Invalid value specified for RSP variable.		<pri6,myhost,svr>
2224637	RSP variable was not successfully updated -- Please try again.		<pri6,log,myhost,svr>
2224638	\nError. No such coil.		<pri6,myhost,svr>
2224639	\nUnable to connect to the PSD process.		<pri6,myhost,svr>
2224640	\nError. This nuclei not supported.		<pri6,myhost,svr>
2224641	\nError in AX conversion.		<pri6,myhost,svr>
2224642	\nTPS reset. Prescan Failed.		<pri6,myhost,svr>
2224643	Extended dynamic range will improve SNR for this scan.\nAuto Prescan successful. R1=%1d R2=%2d TG=%3d AX=%9d		<pri7,myhost,opr>
2224644	Extended dynamic range will improve SNR for this scan.\nAuto Prescan successful. R1=%1d R2=%2d TG=%3d AX=%9d set on peak		<pri7,myhost,opr>
2224645	Extended dynamic range will improve SNR for this scan.\nAuto Prescan partial completion. R1=%1d R2=%2d TG=%3d. Set AX manually.		<pri7,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2224646	Extended dynamic range will improve SNR for this scan.\nAuto Prescan incomplete. R1=%1d R2=%2d TG=%3d.	Set AX manually.	<pri7,myhost,opr>
2224647	Please select Autoshim Scan Plane.		<pri6,myhost,svr>
2224648	Autoshim did not complete successfully.		<pri6,log,myhost,svr>
2224649	Error received from TPS Autoshim, status: %d.		<log,myhost,svr>
2224650	Autoshim option not available.		<pri6,myhost,svr>
2224651	Autoshim did not receive a response from the TPS -- Please try again.		<pri6,log,myhost,svr>
2224652	Autoshim cannot initialize if Power Spectrum is OFF.		<pri6,log,myhost,svr>
2224653	Please select an Ellipse cursor to continue with Autoshim.		<pri6,myhost,svr>
2224654	Autoshim error in sending packet to TPS.		<log,myhost,svr>
2224655	Autoshim error when attempting to modify PSD.		<log,myhost,svr>
2224656	Autoshim error when attempting to read PSD.		<log,myhost,svr>
2224657	Autoshim error when attempting to write to the Image Processor.		<pri6,log,myhost,svr>
2224658	Autoshim error when retrieving image data from BAM.		<log,myhost,svr>
2224659	Autoshim error when attempting to display image on Image Processor.		<pri6,log,myhost,svr>
2224660	Autoshim error when attempting to write results to Configuration File.		<pri6,log,myhost,svr>
2224661	Autoshim error when attempting to download results.		<pri6,log,myhost,svr>
2224662	Please stop looping before executing Autoshim.		<pri6,myhost,svr>
2224663	Gradient Shim stopped by operator request.		<pri8,myhost,svr>
2224664	Autoshim cannot be executed on a Multi-coil scan.		<pri6,myhost,svr>
2224665	\nLooping failed to start. IP device allocation failed.		<pri6,myhost,svr>
2224666	Auto Prescan failed, %b		<myhost,opr,log>
2224667	\nManual Prescan failed, %b		<myhost,opr,log>
2224668	possible Data Acquisition error.		<pri6,myhost,svr>
2224669	possible Data Acquisition error.		<pri6,myhost,svr>
2224670	signal too large. Please try Manual Prescan.		<pri6,myhost,svr>
2224671	signal too small. Please try Manual Prescan.		<pri6,myhost,svr>
2224672	Auto Prescan failed. Data Acquisition time out.		<log,myhost,svr>
2224673	Failed to poll Exec.		<log,myhost,svr>
2224674	Scanner is busy.		<log,myhost,svr>
2224675	Please hit Stop Scan button and re-select Exec Autoshim.		<pri6,myhost,svr>
2224676	cannot start Data Acquisition.		<pri6,myhost,svr>
2224677	Please remove the cursor in order to Window/Level the image.		<pri6,myhost,svr>
2224678	Please select an elliptical cursor to continue with Autoshim.		<pri6,myhost,svr>
2224679			<pri8,myhost,opr>
2224680	Gradient Shim stopped by operator request.		<pri8,myhost,svr>
2224681	Auto Prescan ready. Please press Advance to Scan.		<pri6,myhost,opr>
2224682	Center frequency must be selected manually when using chem/sat or classic.\n Auto Prescan incomplete. R1=%1d R2=%2d TG=%3d. Set AX		<pri6,myhost,opr>
2224683	Auto Prescan is not supported by this PSD. No available Auto Prescan\n entry points		<log,myhost,svr>
2224684	\nAuto Prescan successful. R1=%1d R2=%2d TG=%3d AX=%9d set on peak		<pri7,myhost,opr>
2224685	TPS encountered communication error.		<opr,myhost,log>
2224686	TPS unable to start scan. Error reported from TPSSC.		<opr,myhost,log>
2224687	Auto Voxel Shim failure. R1=%1d R2=%2d TG=%3d AX=%9d FWHM=%2d Hz.		<pri6,myhost,opr>
2224688	Auto Voxel Shim failure. Try Manual Shim. SHIM FWHM=%2d.\n FREQ=%4d PHASE=%4d SLICE=%4d.		<log,myhost,svr>
2224689	Auto Water Suppression failure. R1=%d R2=%2d TG=%3d AX=%9d FWHM=%2d Hz.		<pri6,myhost,opr>
2224690	Auto Water Suppression failure. Flip Angle set to default.		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2224691	Auto Prescan successful. R1=%1d R2=%2d TG=%3d AX=%9d \n FWHM=%2d Hz WS Ang=%3d deg WS=%3d percent.		<pri8,myhost,opr>
2224692	possible error while updating hardware.\nTry again or use Manual Prescan.		<opr,myhost,log>
2224693	possible data acquisition error. \n Try again or use Manual Prescan.		<opr,myhost,log>
2224694	Manual Prescan encountered an error from the CERD.\n\nError number=%d		<opr,myhost,log>
2224695	Must perform PBE Auto Prescan separately by first selecting the \n Auto Prescan button. Then select the SCAN button.		<pri6,myhost,opr>
2224696	Autoshim failed. Shim change out of range. \n X=%4d Y=%4d Z=%4d.		<log,myhost,svr>
2224697	Autoshim failed. Signal too low on scan plane.		<log,myhost,svr>
2224698	Autoshim failed. Not enough AP memory.		<log,myhost,svr>
2224699	Auto prescan did not complete.\nStatus: %d		<log,myhost,svr>
2224700	see log for more information.		<log,myhost,opr>
2224701	\nSetup Parameters stopped by operator request.		<pri8,myhost,svr>
2224702	RF Output has been disabled.		<log,myhost,svr>
2224703	VME BUS ERROR in Auto Prescan.\n\nA bus error occurred in the End of Acquisition Interrupt handler\n\nwhile reading data from the CERD-VME Dual Port RAM.\n\nReset and reupload TPS and try again.		<log,myhost,svr>
2224704	VME BUS ERROR in Manual Prescan.\n\nA bus error occurred in the End of Acquisition Interrupt handler\n\nwhile reading data from the CERD-VME Dual Port RAM.\n\nReset and reupload TPS and try again.		<log,myhost,svr>
2224705	Error in Auto Prescan EOA Interrupt handler.\n\nThe cerd_net_get_buffer() call returned an error. The callers\n\nbuffer is probably too small to receive the available data.\n\nThe software should be fixed.		<log,myhost,svr>
2224706	Error in Manual Prescan EOA Interrupt handler.\n\nThe cerd_net_get_buffer() call returned an error. The callers\n\nbuffer is probably too small to receive the available data.\n\nThe software should be fixed.		<log,myhost,svr>
2224707	Manual Gradient Shim may improve image quality for this scan.		<pri6,myhost,opr>
2224708	Autoshim results inconclusive. Shim values were not changed. \nPoints used for plane 1: %5.2f %%, plane 2: %5.2f %%, plane 3: %5.2f %%		<log,myhost,svr>
2224709	Low signal detected. Please check the signal level for receiver %d (or receiver %d while \nusing Manual Prescan).\n\n		<log,myhost,svr>
2224710	Full Eval failed after putCV calls in Probe Autoprescan.		<log,myhost,svr>
2224711	Ignore this message. It does not indicate an error condition.\n No successful FTG check in %d iterations (hold_aps_ta: %d final TA: %d).		<log,myhost,prg>
2224712	Warning: Please check fastTGstartTA value in CoilConfig file for %s coil.\n\nThis message does not apply to the Medrad Neurovascular coil.		<log,myhost,svr>
2224713	No successful FTG check in %d iterations. APS1 will run automatically.		<log,myhost,opr>
2224714	Prescan Failed: RF amplifier was not ready.		<log,myhost,opr>
2224715	Unable to save results of a successful prescan.		<log,myhost,opr>
2224716	Auto Prescan Incomplete: turn off phase correction.		<myhost,opr,pri6>
2224717	\nAuto Prescan incomplete. R1=%1d R2=%2d TG=%3d AX=%9d.\n\nPhase correction did not run.		<myhost,opr,pri6>
2224718	Overrange for slice %d in last iteration of FSE phase correction.		<log,myhost,svr>
2224719	AX change is more than 1MHz, need re-calibration.		<pri7,opr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2224728	Software Error: It may be necessary to reset TPS.\n The IPG Peripheral Loader logged an error. The actual error\ndescription has not yet been defined.		<log,myhost,prg>
2224729	Software Error: It may be necessary to reset TPS.\n An attempt was made to access an unknown IPG device through the\nIPG Peripheral Loader\n Specified Peripheral ID : %d		<log,myhost,prg>
2224730	Software Error: It may be necessary to reset TPS.\n The bootstrap loader code for the %s will not fit in the available memory.\n Filename: %s		<log,myhost,prg>
2224731	Software Error: It may be necessary to reset TPS.\n A file downloaded to the IPG Peripheral Loader has been corrupted.\n Filename: %s		<log,myhost,prg>
2224732	Hardware Error: Please reset TPS.\n The memory window between the main IPG processor and the %s\n does not verify.		<log,myhost,prg>
2224733	Hardware Error: Please reset TPS.\n The %s is not responding. Please reset the TPS chassis and try again.		<log,myhost,prg>
2224734	Software Error: It may be necessary to reset TPS.\n An attempt was made to access the IPG Peripheral Loader for the %s\n prior to driver initialization.		<log,myhost,prg>
2224735	Software Error: It may be necessary to reset TPS.\n An attempt to load code into the %s failed because the loader was\n already in use.		<log,myhost,prg>
2224736	Hardware Error: Please reset TPS.\n An attempt to load the code for the %s failed checksum verification.\n Please reset the TPS chassis and try again. If error is persistent,\n this could be a memory problem.		<log,myhost,prg>
2224737	Software Error: It may be necessary to reset TPS.\n An attempt was made to initiate an SPU coprocess application before the\n previous application had completed.		<log,myhost,prg>
2224738	Hardware Error: Please reset TPS.\n The IPG LCA Sequencers did not generate a \DONE\" signal after loading."		<log,myhost,prg>
2224739	Hardware Error : The %s hardware does not exist\n Attempting to access the device causes a bus timeout.\n \n Address : 0x%08X		<log,myhost,prg>
2224740	Software Error : The specified file contained an illegal address.\n \n File : %s\n Minimum Address : 0x%08X\n Maximum Address : 0x%08X\n Specified Address : 0x%08X		<log,myhost,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2224741	Software Error: Please reset TPS.\n Could not allocate a buffer in the peripheral_loader for\n \n the %s processor.\n \n Size of requested buffer : %d bytes		<log,myhost,prg>
2224742	Software Error: Please reset TPS.\n Could not create a semaphore for the peripheral_loader for\n \n the %s processor.		<log,myhost,prg>
2224778	Software Error: It may be necessary to reset TPS.\n An invalid command was generated by the IPG Peripheral Loader.\n Processor : %s\n File : %s\n Command : %d		<log,myhost,prg>
2224779	Software Error: It may be necessary to reset TPS.\n An invalid data type was specified by the IPG Peripheral Loader.\n Processor : %s\n File : %s\n Type : %d		<log,myhost,prg>
2224780	Software Error: It may be necessary to reset TPS.\n An invalid peripheral address was generated by the IPG Peripheral Loader.\n Processor : %s\n File : %s\n Address : 0x%08X		<log,myhost,prg>
2224781	Software Error: It may be necessary to reset TPS.\n An invalid address range was generated by the IPG Peripheral Loader.\n Processor : %s\n File : %s\n Start address : 0x%08X\n End address : 0x%08X		<log,myhost,prg>
2224782	Hardware Error: Please reset TPS.\n The SRI failed to respond during downloading. Check SRI Power and cables.\n Processor : %s\n File : %s\n Transmitted Opcode : 0x%02X		<log,myhost,prg>
2224783	Software Error: It may be necessary to reset TPS.\n SRI responded to a download packet with an inappropriate response packet.\n Processor: %s\n File: %s\n Transmitted Opcode: 0x%02X\n Received Opcode: 0x%02X		<log,myhost,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2224784	<p>Software Error: Please try again.\n</p> <p>The SPI received an incomplete packet from the SRI during\n\ndownloading.\n\n</p> <p>Processor : %s\n</p> <p>File : %s\n</p> <p>Packet Opcode : 0x%02X\n</p> <p>Expected Parameters : %d\n</p> <p>Actual Parameters : %d</p>		<log,myhost,prg>
2224785	<p>SRI Hardware Error: Please reset TPS.\n</p> <p>The SPI was unable to reset the SRI during downloading.\n</p> <p>Please check SRI power and cables.\n\n</p> <p>Processor : %s\n</p> <p>File : %s</p>		<log,myhost,prg>
2224786	<p>Software Error: Please try again.\n</p> <p>The SRI bootstrap loader was requested to do a block transfer\n\nusing the same memory as both the source and destination.\n\n</p> <p>Processor : %s\n</p> <p>File : %s\n</p> <p>Src Address : 0x%04X\n</p> <p>Dest Address : 0x%04X</p>		<log,myhost,prg>
2224787	<p>Software Error: Please try again.\n</p> <p>The MDS bootstrap loader was requested to do a block transfer\n\nusing the same memory as both the source and destination.\n\n</p> <p>Processor: %s\n</p> <p>File: %s\n</p> <p>Src Address: 0x%04X\n</p> <p>Dest Address: 0x%04X</p>		<log,myhost,prg>
2224788	<p>Software Error: Please try again.\n</p> <p>The MDS bootstrap loader was requested to execute a command\n\non a non-existent MDS peripheral.\n\n</p> <p>Processor: %s\n</p> <p>File: %s\n</p> <p>MDS Peripheral: 0x%02X</p>		<log,myhost,prg>
2224789	<p>Hardware Error: Please reset TPS.\n</p> <p>MDS link error during download.\n</p> <p>A receive error was detected on a MDS transmission echo.\n</p> <p>Check MDS link connections and signal level.\n</p> <p>Processor: %s\n</p> <p>File: %s\n</p> <p>MDS timer: 0x%04d\n</p> <p>UART status: 0x%02X\n</p> <p>Rcvd byte: 0x%02X</p>		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2224790	<p>Hardware Error: Please reset TPS.\n</p> <p>MDS link error during download.\n</p> <p>The SPI failed to receive a MDS transmission echo.\n</p> <p>Check the connections and signal level on the MDS fiber optic link.\n</p> <p>Processor: %s\n</p> <p>File: %s\n</p> <p>MDS timer: 0x%04d\n</p> <p>Xmtd byte: 0x%02X</p>		<log,myhost,opr>
2224791	<p>Hardware Error: Please reset TPS.\n</p> <p>MDS link error during download.\n</p> <p>A receive error was detected on a MDS response.\n</p> <p>Check connections and signal level on MDS link.\n</p> <p>Processor: %s\n</p> <p>File: %s\n</p> <p>MDS timer: 0x%04d\n</p> <p>UART status: 0x%02X\n</p> <p>Rcvd byte: 0x%02X</p>		<log,myhost,opr>
2224792	<p>Hardware Error: Please reset TPS.\n</p> <p>MDS link error during download.\n</p> <p>An MDS device failed to respond to SPI.\n</p> <p>Check connections and signal level on MDS link.\n</p> <p>Processor: %s\n</p> <p>File: %s\n</p> <p>MDS timer: 0x%04d\n</p> <p>Xmtd header: 0x%02X\n</p> <p>Xmtd opcode: 0x%02X</p>		<log,myhost,opr>
2224793	<p>Hardware Error: Please reset TPS.\n</p> <p>MDS link error during download.\n</p> <p>A response packet was lost due to a UART receive error.\n</p> <p>Check MDS link connections and signal level.\n</p> <p>Processor: %s\n</p> <p>File: %s\n</p> <p>MDS timer: 0x%04d\n</p> <p>Rcvd byte 1: 0x%02X\n</p> <p>Rcvd byte 2: 0x%02X</p>		<log,myhost,opr>
2224794	<p>Hardware Error: Please reset TPS.\n</p> <p>MDS link error during download.\n</p> <p>A MDS peripheral indicated an error but no error code was sent.\n</p> <p>Check MDS link connections and signal level.\n</p> <p>Processor: %s\n</p> <p>File: %s\n</p> <p>MDS timer: 0x%04d\n</p> <p>MDS peripheral address: 0x%02X</p>		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2224795	Hardware Error. Please reset TPS.\nMDS link error during download.\nUnexpected data was received on MDS link.\nCheck connections and signal level on MDS link.\nProcessor: %s\nFile: %s\nMDS timer: 0x%04d\nUART status: 0x%02X\nRcvd byte: 0x%02X		<log,myhost,opr>
2224796	SPI MDS link failure.\n\nThe link appears to be broken between the IPG and the Gradient\nSubsystem. Check the connections and signal level of the MDS fiber optic\nlink between the TYME II card and Gradient Subsystem. Run MDS fiber\noptic link diagnostics.		<log,myhost,opr>
2224797	SPI MDS link failure.\n\nThe MDS fiber optic link appears to be broken between the Gradient\nand the RF/Pen cabinets. Check gradient cabinet power, fiber optic\nconnections and signal level of fiber optic link. Run MDS fiber optic\nlink diagnostics.		<log,myhost,opr>
2224798	SPI MDS link failure.\n\nSCB sent a MDS link broke packet.\n\nThe link appears broken between the RF/Pen Cabinet MDS Peripheral\n& SCB. Check RF/Pen cabinet power, RF/Pen MDS Peripheral Board,\n& connections & MDS signal level between RF/Pen Cabinet & SCB.		<log,myhost,opr>
2224799	SPI MDS link failure.\n\nNo MDS packets for 2 seconds.\n\nLink may be broken between RF/Pen Cabinet MDS Peripheral & Systems\nCabinet. Check RF/Pen cabinet power, RF/Pen MDS Peripheral, &\nconnections & MDS signal level between RF/Pen & Systems Cabinets.		<log,myhost,opr>
2224800	SPI MDS link failure.\n\nThe SCB device reported a bad address. Verify that the SCB address DIP\nswitch blocks are set to legal addresses.		<log,myhost,opr>
2224801	SPI MDS link failure.\n\nThe SPC device reported a bad address. Verify that the SPC address DIP\nswitch blocks are set to legal addresses.		<log,myhost,opr>
2224802	Gradient Hardware Error.\n\nThe device and manufacturer code read from the flash memory chips is\nincorrect. GAP or GIP application code was not programmed.		<log,myhost,opr>
2224803	Gradient Hardware Error.\n\nA block erase error occurred when the flash devices were being\nerased. GAP or GIP application code was not programmed. Please\nreset the TPS chassis and try again.		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2224804	Gradient Hardware Error.\n A command sequence error occurred when the flash devices were being\n erased. GAP or GIP application code was not programmed. Please\n reset the TPS chassis and try again.		<log,myhost,opr>
2224805	Gradient Hardware Error.\n A timeout occurred waiting for the flash devices to be erased.\n GAP or GIP application code was not programmed. Please reset\n the TPS chassis and try again.		<log,myhost,opr>
2224806	Gradient Hardware Error.\n An error occurred when the flash devices were being erased. The Vpp\n programming voltage was not present. GAP or GIP application code\n was not programmed. Please reset the TPS chassis and try again.		<log,myhost,opr>
2224807	Gradient Hardware Error.\n A byte programming error occurred when the flash devices were being\n programmed. GAP or GIP application code was not successfully programmed.\n Please reset the TPS chassis and try again.		<log,myhost,opr>
2224808	Gradient Hardware Error.\n A timeout occurred waiting for a byte to be programmed in a flash\n memory device. GAP or GIP application code was not programmed. Please\n reset the TPS chassis and try again.		<log,myhost,opr>
2224809	Gradient Hardware Error.\n An error occurred when the flash devices were being programmed. The\n Vpp programming voltage was not present. GAP or GIP application code was\n not successfully programmed. Please reset the TPS chassis and try again.		<log,myhost,opr>
2224810	Gradient Download Error.\n The GAP or GIP checksum calculated on the new flash code downloaded\n over the MDS link is not correct. Please reset the TPS chassis and try again.		<log,myhost,opr>
2224828	SRI Software Error:\n General SRI error. The actual error description has not\n yet been defined.		<log,myhost,prg>
2224829	SRI-SPI Communication Error. A redownload of TPS/IPG may be necessary.\n The SRI received a packet from the SPI containing an unknown\n opcode.\n \n Opcode: 0x%02X		<log,myhost,svr>
2224830	SRI-SPI Communication Error. A redownload of TPS/IPG may be necessary.\n The SRI received a packet from the SPI which did not include all\n required parameters.\n \n Opcode: 0x%02X\n Expected Parameter Count: %d\n Actual Parameter Count: %d		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2224831	SRI-SPI Communication Error. A redownload of TPS/IPG may be necessary.\n\nSRI receive buffer overflowed. Possible cause is faulty magnet shroud\n\nswitches that can hang SRI CPU, in which case other SRI error messages will\n\nbe logged.\n\n\n\nDuart Status 0x%02X		<log,myhost,svr>
2224832	SRI Programming Error. A redownload of TPS/IPG may be necessary.\n\nThe SRI failed to process a recognized opcode.\n\n\n\nOpcode : 0x%02X\n\nParameter Count : %d		<log,myhost,svr>
2224833	SRI Programming Error. A redownload of TPS/IPG may be necessary.\n\nThe SRI received an parameter which had an illegal value.\n\n\n\nOpcode : 0x%02X\n\nByte Number : %d\n\nParameter value : %d		<log,myhost,svr>
2224834	SRI Programming Error. A redownload of TPS/IPG may be necessary.\n\nThe SRI was directed to write data into an invalid memory location.\n\nThe memory write operation was cancelled.\n\n\n\nAddress : 0x%04X		<log,myhost,svr>
2224835	SRI Hardware Error: SRI memory failure. A redownload of TPS may be necessary.\n\nAn attempt to write to the SRI protected memory failed during a \n\n\n\ndownload sequence.\n\n\n\nAddress : 0x%04X\n\nValue Written : 0x%02X\n\nValue Read : 0x%02X		<log,myhost,svr>
2224836	SRI Programming Error: A redownload of TPS/IPG may be necessary.\n\nAn attempt was made to write more than 32 bytes in a single packet\n\n\nduring an SRI download sequence.\n\n\n\nBytes Requested : %d		<log,myhost,svr>
2224837	SRI Programming Error:\n\nThe SRI received a request to run an undefined diagnostic routine\n\n\n\n\n\nDiagnostic Requested: 0x%02X		<log,myhost,svr>
2224838	SRI Memory Error. A redownload of TPS/IPG may be necessary.\n\nThe SRI detected a checksum error in the downloaded SRI Code.\n\n\n\n\n\nExpected checksum : 0x%04X%04X\n\nComputed checksum : 0x%04X%04X		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2224839	SRI Software Error. A redownload of TPS/IPG may be necessary.\n The SRI Extended System could not be started due to an error in the\n control block.		<log,myhost,svr>
2224840	SRI Software Error. A redownload of TPS/IPG may be necessary.\n The SRI Extended System Initialization Routine failed to define an entry\n point.		<log,myhost,svr>
2224841	THE CRADLE IS OBSTRUCTED. SRI Hardware Error: Unexpected cradle motion.\n This error would occur if the table were moved by hand.\n Please run SRI diagnostics if that is not the case.\n \n Expected Cradle Velocity: %d mm/sec\n Measured Cradle Velocity: %d mm/sec		<pri4,myhost,opr>
2224843	PLEASE MOVE THE CRADLE ALL THE WAY OUT BEFORE LANDMARKING.		<pri4,myhost,opr>
2224844	THE TABLE IS NOT DOCKED.		<pri4,myhost,opr>
2224845	PLEASE TURN ON ALIGNMENT LIGHTS WHEN ESTABLISHING A LANDMARK. The encoder calibration value was invalid.\n Please run the cradle calibration routine.\n \n Specified Calibration Constant : %d\n Minimum Calibration Constant : %d\n Maximum Calibration Constant : %d		<pri4,myhost,opr>
2224847	An invalid revision of the SRI PROM was detected.\n Patient handling will not function.\n Please check for the proper version of this PROM for this release.		<log,myhost,svr>
2224848	THE TABLE IS NOT AT SCANNING HEIGHT.		<pri4,myhost,opr>
2224878	scanIdle.xpm		<scan,myhost,opr>
2224879	scanIdle.xpm		<scan,myhost,opr>
2224880	scanIdle.xpm		<scan,myhost,opr>
2224881	scanIdle.xpm		<scan,myhost,opr>
2224882	scanIdle.xpm		<scan,myhost,opr>
2224883	scanPrescanning.xpm		<scan,myhost,opr>
2224884	scanScanning.xpm		<scan,myhost,opr>
2224885	scanPaused.xpm		<scan,myhost,opr>
2224890	Please press start scan button.		<pri3,myhost,opr>
2224891	Scan paused because acquisition memory full. Will prompt when ready to \n resume.		<pri3,myhost,opr,fixedformat>
2224892	System in standby mode after 15 minutes of inactivity.		<pri3,myhost,opr>
2224893	The HPC watchdog has timed out. Please see error log.\b WDOG timeout is caused by incorrect program execution and may be \n due to a hardware failure. (Could also try a different scan prescription,\n since the problem could be caused by a bad PSD.)		<pri3,log,myhost,opr>
2224894	This message is no longer used. If you see it, write a CQA.		<log,myhost,opr>
2224895	This message is no longer used. If you see it, write a CQA.		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2224896	PAC Emulation failed - cannot perform gated scans.\n HPC was unable to start PAC emulation, so gated scans will not\n work. A TPS reset may fix the problem.		<pri4,log,myhost,opr>
2224900	PSD waveform generation failed.		<log,myhost,opr>
2224901	Acquisition memory is full. Will prompt when ready to resume.		<log,myhost,opr>
2224902	A PSD error occurred.		<log,myhost,opr>
2224903	A pulse sequence error occurred.		<log,myhost,opr>
2224904	Stop scan requested by TPS.		<log,myhost,opr>
2224905	Unknown reason.		<log,myhost,opr>
2224906	PSD download failed.		<log,myhost,opr>
2224907	A hardware error occurred.		<log,myhost,opr>
2224908	An IPG error occurred.		<log,myhost,opr>
2224915	HPC Programming Error.\n HPC is in an invalid state.\nState: %d		<log,myhost,prg>
2224916	Host to IPG Communication Error.\n PSD executable download failed. It may be necessary to reset TPS.\n The PSD download took too long to download.		<log,myhost,prg>
2224917	HPC Programming Error.\n The HPC attempted to send a bad opcode to SPI.\n Opcode: %d		<log,myhost,prg>
2224918	Internal Software Error\n HPC attempted to change to an invalid state.		<log,myhost,prg>
2224919	HPC Programming Error.\n HPC attempted to report an error for an undefined peripheral.\n Peripheral: %d		<log,myhost,prg>
2224920	Warning: System Cabinet is overheating. Please see log.		<pri4,myhost,opr>
2224921	Warning: The air temperature in the System Cabinet is greater than 40'C\n (104F). If the air temperature exceeds 50'C (122F), the system will\n shut down automatically.		<log,myhost,opr>
2224922	The air temperature in the System Cabinet has returned to normal.\n It is less than 40'C.		<log,myhost,opr>
2224930	IPG Internal Programming Error. It may be necessary to reset TPS.\n HPC received a packet from an unknown source.\n Source: 0x%2X		<log,myhost,prg>
2224931	Internal Software Error. It may be necessary to reset TPS.\n HPC got a VxWorks error when making an operating system call.		<log,myhost,prg>
2224932	Internal Software Error. It may be necessary to reset TPS.\n An HPC packet send failed.\n Packet opcode: %d Status: %d		<log,myhost,prg>
2224933	Internal Software Error. It may be necessary to reset TPS.\n An HPC packet/signal receive failed.\nStatus: %d		<log,myhost,prg>
2224934	Please reset TPS. HPC was unable to establish its communication port.\n The cm_define call of HPC_PORT_ID failed.		<log,myhost,prg>
2224935	VxWorks Error. It may be necessary to reset TPS.\n The semaphore send to blockseq failed with VxWorks error code %d.		<log,myhost,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2224936	IPG system error. Please reset TPS.\n\ncm_signal() call from %s interrupt routine failed. This is probably \n\ a software error, but may be due to (hardware) corruption of the signal.		<pri3,log,myhost,opr>
2224937	IPG system error. It may be necessary to reset TPS.\n\ The IPG watchdog task has received an unknown signal.\n\ This is probably a software error, but may be due to (hardware) corruption \n\ of the signal.		<log,myhost,prg>
2224938	The watchdog task has suspended IPG tasks. Please reset TPS.\n\ The watchdog task suspended the HPC and possibly the PCT task for examination.		<log,myhost,prg>
2224939	WARP to HPC interface error. It may be necessary to reset TPS.\n\ HPC received a signal from the WARP task, even though that interface\n\ is not implemented.		<log,myhost,prg>
2224940	Internal Software Error. It may be necessary to reset TPS.\n\ PCT is in a wrong state.\n\ State: %d		<log,myhost,prg>
2224941	Internal Software Error. It may be necessary to reset TPS.\n\ HPC attempted to start PCT, but the message post call to PCT failed.\n\ Failure reason: %d		<log,myhost,prg>
2224942	Internal Programming Error. It may be necessary to reset TPS.\n\ PCT stopped with an invalid stop reason.		<log,myhost,prg>
2224943	Internal Programming Error. It may be necessary to reset TPS.\n\ PCT informed HPC that it had paused, but its internal state\n\ indicates it has not paused.		<log,myhost,prg>
2224944	Internal PSD Programming Error. It may be necessary to reset TPS.\n\ PCT informed HPC that it had stopped, but its internal state\n\ indicates it is still running.		<log,myhost,prg>
2224945	Internal Software Error. PSD in infinite loop.\n\ The IPG watchdog has timed out, PCT was re-started to attempt to\n\ recover, but a CV download may be needed to continue.		<log,myhost,prg>
2224946	The watchdog task could not re-start PCT. Please reset TPS. \n\ The watchdog has timed out and the PCT was running. An attempt to\n\ kill the PCT task and re_start it has failed.		<log,myhost,prg>
2224947	The PCT task on IPG is not responding to messages from HPC.\n\ PCT may not be running - this is likely caused by a previous PSD\n\ exception. Please reset TPS!		<log,myhost,prg>
2224950	PSD Programming Error.\n\ The PSD being used does not contain the FreePSDHeap procedure.		<log,myhost,opr>
2224951	PSD Programming Error.\n\ The PSD just deleted did not contain the FreePSDHeap procedure,\n\ so IPG was unable to deallocate any memory reserved by that PSD.		<log,myhost,opr>
2224952	PSD Programming Error.\n\ The PSD does not contain the symbol %s, which HPC needs to scan.		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2224953	PSD Download Failed.\n HPC was unable to load the PSD file %s,\n path = %s, VxWorks operating system error: %d.\n Please reset TPS!		<log,myhost,opr>
2224954	PSD Programming Error.\n The PSD used does not contain a pulsegen procedure.		<log,myhost,opr>
2224955	PSD Programming Error.\n The PSD does not contain the EpicConf procedure.		<log,myhost,opr>
2224956	PSD Programming Error.\n Preparation of the first sequence of the scan failed. The PSD\n completed execution and returned without going through RSP exit\n or reporting an error.\n PCT returned to the waiting for start command state.		<log,myhost,opr>
2224957	PSD Software Error. It may be necessary to reset TPS.\n Preparation of the first sequence of the scan took too long.\n PCT never blocked to wait for the first sequence to start.		<log,myhost,opr>
2224958	PSD Programming Error.\n This PSD does not contain the entry point, %s, which\n was specified in the start scan packet.		<log,myhost,opr>
2224959	Pulse generation failed. Probable PSD software error.\n Pulse generation timed out. It may be necessary to reset TPS.		<log,myhost,opr>
2224960	IPG System Error.\n IPG was unable to deallocate memory reserved by the PSD that\n was just deleted.		<log,myhost,opr>
2224961	PSD Download Failed.\n HPC was unable to load the PSD because a PSD name was not found.		<log,myhost,opr>
2224970	Host to HPC Interface Error.\n HPC received a packet with an invalid opcode. Opcode: %d\n Possible problem with the link between TPS and the Host or TPS and IPG.		<log,myhost,prg>
2224971	Host to HPC Interface Error.\n HPC received a start scan packet which specified an invalid start command.		<log,myhost,prg>
2224972	Host to HPC Synchronization Error.\n A PSD download was attempted while the scanner was not in the scanner\n prescription mode.		<log,myhost,prg>
2224973	Host to HPC Interface Error.\n The HPC was sent an invalid patient position or orientation.\n Patient Position: %d\n Patient Orientation: %d		<log,myhost,prg>
2224974	Host to HPC Interface Error.\n An attempt was made to clear the patient landmark while a\n scan was in progress.		<log,myhost,prg>
2224975	Host to HPC Interface Error.\n An attempt was made to change the transmit coil (head or body)\n while a scan was in progress.		<log,myhost,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2224976	Host to HPC Synchronization Error.\n\nAn attempt was made to start PSD waveform generation while a\n\nscan was in progress.		<log,myhost,prg>
2224977	Host to HPC Interface Error.\n\nThe packet to start the table rocking contained invalid data.		<log,myhost,prg>
2224978	Host to HPC Synchronization Error.\n\nThe HPC received a start PSD waveform generation packet before\n\na PSD had been downloaded.		<log,myhost,prg>
2224979	Host to HPC Interface Error.\n\nThe HPC received a start scan packet with a hard start command\n\nwhen a scan was not prepped to start.		<log,myhost,prg>
2224980	Host to HPC Interface Error.\n\nThe HPC received a start scan packet during scan prescription\n\nor when it was already scanning.\n\nHPC scan state: %d		<log,myhost,prg>
2224981	Host to HPC Interface Error.\n\nHPC received a memory read or load packet which requested to read\n\nor load more than 7 symbols.		<log,myhost,prg>
2224982	Symbol lookup failed.\n\nHPC received a memory read or load packet or return address packet\n\nto access the symbol %s, which does not exist in the IPG symbol table.		<log,myhost,prg>
2224983	Host to HPC Interface Error.\n\nHPC received a memory read or load packet, return address packet\n\nor PSD entry point packet with no symbol name.		<log,myhost,prg>
2224984	Host to HPC Interface Error.\n\nHPC received a memory read or load packet which attempted to read\n\nor load more than 1024 bytes of memory.		<log,myhost,prg>
2224985	Host to HPC Interface Error.\n\nThe shim knob packet contained invalid data.		<log,myhost,prg>
2224986	Host to HPC Interface Error.\n\nHPC received a new exam, series, or scan reset packet when scanning,\n\nprescanning, or preparing to scan. It therefore did not do the reset.		<log,myhost,prg>
2224987	Host to HPC Interface Error.\n\nHPC received a start scan packet with a bad receive coil parameter.\n\nReceive Coil: %d		<log,myhost,prg>
2224988	Host to HPC Interface Error.\n\nThe HPC was sent an invalid audio trigger volume.\n\nAudio Trigger Volume: %d		<log,myhost,prg>
2224989	Host to HPC Interface Error.\n\nThe HPC was sent an invalid horizontal trigger level.\n\nHorizontal Trigger Level: %d		<log,myhost,prg>
2224990	Host to HPC Interface Error.\n\nThe HPC was sent at least one RSP ID which does not exist.		<log,myhost,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2224991	Host to HPC Interface Error.\n The HPC was sent an invalid Cold Head cycling operation: %d\n Regardless of Cold Head state at error (%d) Cold Heads are now on.		<log,myhost,prg>
2225000	HPC was unable to read the file %s because it was too large to\n fit in available memory.		<log,myhost,prg>
2225001	HPC was unable to open or read the file %s.\n Verify that the file is located in /w/config.\n If the file is present, the /etc/vxhosts file may be missing or corrupted.		<log,myhost,prg>
2225002	The file %s contains a missing or bad value for %s.		<log,myhost,prg>
2225003	System Configuration Error\n IPG could not find the multicoil flag in the system config file.		<log,myhost,prg>
2225004	System Configuration Error\n IPG could not find the table calibration constants in the system config file.		<log,myhost,prg>
2225005	System Configuration Error\n IPG could not find the spectro flag in the system config file.		<log,myhost,prg>
2225006	System Configuration Error\n IPG could not find the isocenter value in the system config file.		<log,myhost,prg>
2225007	IPG Advisory Message.\n IPG could not open the `gram_tune.dat` file in /usr/g/caldir. \n Please do restore info or run Grafidy to create the file.		<log,myhost,prg>
2225008	IPG System Error.\n IPG was not able to properly close the `gram_tune.dat` file in \n /usr/g/caldir. Reset TPS and try again.		<log,myhost,prg>
2225009	HPC was unable to close the file %s. Reset TPS and try again.		<log,myhost,prg>
2225010	IPG Communication Error. Please reset TPS.\b\ SPI failed to inform HPC that it had initialized correctly.\n This could be caused by a bad SPI or bad DPR between SPI and the IPG CPU.		<pri3,log,myhost,opr>
2225011	IPG Communication Error. Please reset TPS.\b\ SPI failed to respond to the start command from HPC.\n This could be caused by a bad SPI or bad DPR between SPI and the IPG CPU.		<pri3,log,myhost,opr>
2225012	The IPG was unable to load the power monitor with the correct settings.\n Possibly a bad power monitor, RF/Pen Cabinet MDS peripheral, or a bad\n connection between them.\n It may be necessary to reset TPS.		<log,myhost,svr>
2225013	IPG Communication Error. It may be necessary to reset TPS.\n HPC received an invalid opcode from SPI.\n This could be caused by a programming error OR by bad DPR \n between SPI and HPC.\n Opcode: %d		<log,myhost,svr>
2225014	IPG Communication Error. Please reset TPS.\n SPI is not responding to HPC communication.\n This could be caused by a bad SPI or bad DPR\n between SPI and the IPG main CPU.		<log,myhost,svr>
2225015	Hardware not ready to scan. Reason unknown.\n It may be necessary to reset TPS.		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225016	SPI failed to respond to a power monitor set packet with \n\ a power monitor status. It may be necessary to reset TPS.\n\ If problem persists, cycle the power on the power monitor.		<log,myhost,prg>
2225017	SPI failed to respond to a set receive coil packet with \n\ a receive coil set packet, or with an error. It may be\n\ necessary to reset TPS.\n\ If problem persists, cycle the power on the RF cabinet.		<log,myhost,prg>
2225018	SPI failed to leave the standby state when the start scan\n\ command was received. It may be necessary to reset TPS.		<log,myhost,prg>
2225019	SPI watchdog timed out. Please reset TPS.\b\ This may be caused by a SPI hardware or (less likely) a\n\ SPI software failure.		<pri3,log,myhost,opr>
2225020	The RF/Pen Cabinet MDS peripheral received an incorrect response\n\ from the power monitor. Possibly a bad power monitor, RF/Pen\n\ Cabinet MDS peripheral, or a bad connection between them.\n\ It may be necessary to reset TPS.		<log,myhost,svr>
2225021	The RF/Pen Cabinet MDS peripheral did not receive a response\n\ from the power monitor. Possibly a bad power monitor, RF/Pen\n\ Cabinet MDS peripheral, or a bad connection between them.\n\ It may be necessary to reset TPS.		<log,myhost,svr>
2225022	The RF/Pen Cabinet MDS peripheral received a response from the\n\ power monitor with a bad checksum. Possibly a bad power monitor,\n\ RF/Pen Cabinet MDS peripheral, or a bad connection between them.\n\ It may be necessary to reset TPS.		<log,myhost,svr>
2225023	The RF/Pen Cabinet MDS peripheral received an error code %d from\n\ the power monitor. Possibly a bad power monitor, RF/Pen Cabinet\n\ MDS peripheral, or a bad connection between them.		<log,myhost,svr>
2225024	The SPI has reported the power monitor firmware version is not compatible.\n\ (.5T vs 1.0T vs 1.5T) Check for correct PowerMonType in MRconfig.cfg file,\n\ then verify correct power monitor firmware.		<log,myhost,svr>
2225025	HPC indicates it is not ready to scan.\n\ Gradient and/or RF Hardware maybe be transitioning from standby to ready.\n\ If the system does not recover, please reset TPS.		<log,myhost,svr>
2225026	GRAM TUNING BOARD CONFIGURATION ERROR\n\ The MRconfig.cfg file indicates GRAMs have Digital Tuning Boards,\n\ but the GAP was unable to communicate with the boards. If analog\n\ boards are connected, change MRconfig.cfg; else check cable connections.		<log,myhost,svr>
2225027	GRAM TUNING BOARD CONFIGURATION ERROR\n\ The MRconfig.cfg file indicates GRAMs have Digital Tuning Boards,\n\ but the GAP was unable to communicate with the %s Axis Digital\n\ Tuning Board. Check cable connections and then reset TPS.		<log,myhost,svr>
2225028	GRAM TUNING BOARD CONFIGURATION ERROR\n\ The MRconfig.cfg file indicates no Digital Tuning Board is present on the\n\ GRAMs, but the GAP detects the Digital Tuning Boards on each axis.\n\ Please change the MRconfig.cfg file and reset TPS.		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225029	GRAM TUNING BOARD CONFIGURATION ERROR\n\nThe MRconfig.cfg file indicates GRAMs do not have Digital Tuning Boards,\n\nbut the GAP detects a Digital Tuning Board on the %s Axis.\n\nVerify a Digital Tuning Board on each axis, change MRconfig.cfg and reset TPS.		<log,myhost,svr>
2225030	GRAM TUNING ERROR\n\nA GIP to IPG MDS Link packet contains incorrect data. Check the MDS Link\n\n cable between the GIP and IPG, or replace the GIP Board. Reset TPS.		<log,myhost,svr>
2225031	GRAM TUNING CONFIGURATION ERROR\n\nThe MRconfig.cfg file indicates Digital Tuning is not selected for an 8651\n\n Gradient System. Digital Tuning MUST be selected. Change the MRconfig.cfg\n\n file, shutdown, and restart the system.		<log,myhost,svr>
2225032	GRADIENT CONFIGURATION ERROR\n\nThe MRconfig.cfg file indicates that an 8651 Gradient System is present,\n\n but GRAMs are not. GRAMs MUST be selected for 8651 Gradients. Change the\n\n MRconfig.cfg file and reset TPS.		<log,myhost,svr>
2225033	GRADIENT CONFIGURATION ERROR\n\nThe MRconfig.cfg file indicates that an 8280 Gradient System is present,\n\n but GRAMs are configured. GRAMs must NOT be selected for 8280 Gradients.\n\n Change the MRconfig.cfg file and reset TPS.		<log,myhost,svr>
2225040	IPG Communication Error. Please reset TPS to use gating.\n\n SPU failed to inform HPC that it had initialized correctly.\n\n This could be caused by a bad SPU or bad DPR between SPU and the IPG main CPU.		<pri3,log,myhost,opr>
2225041	IPG Communication Error. Please reset TPS.\n\n SPU is not responding to HPC communication.\n\n This could be caused by a bad SPU or bad DPR\n\n between SPU and the IPG main CPU.		<pri3,log,myhost,opr>
2225042	SPU to HPC Interface Error.\n\n HPC received an invalid opcode from SPU.\n\n This could be caused by a programming error OR by bad DPR \n\n between SPU and HPC.\n\n Opcode: %d		<log,myhost,svr>
2225043	Host to HPC Interface Error.\n\n The gating selection packet HPC received attempted\n\n to enable both ECG and CINE, which are not compatible.		<log,myhost,prg>
2225044	Host to HPC Interface Error.\n\n The gating selection packet HPC received attempted\n\n to enable both normal respiratory gating and NMRMON,\n\n which are not compatible.		<log,myhost,prg>
2225045	Host to HPC Interface Error.\n\n The HPC received a gating request packet with an out of\n\n range heart rate.\n\n Heart rate: %d		<log,myhost,prg>
2225046	Host to HPC Interface Error.\n\n The HPC received a gating request packet with an invalid\n\n trigger window.\n\n Window: %d		<log,myhost,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225047	Host to HPC Interface Error.\n The HPC received a gating request packet with an invalid\n lead selected.\n lead: %d		<log,myhost,prg>
2225048	Host to HPC Interface Error.\n The HPC received a gating waveform display packet with an invalid\n cardiac display requested.\n value: %d		<log,myhost,prg>
2225049	Host to HPC Interface Error.\n The HPC received a gating waveform display packet with an invalid\n respiratory display requested.\n value: %d		<log,myhost,prg>
2225050	Host to HPC Interface Error.\n The HPC received a gating waveform display packet with an invalid\n auxiliary display requested.\n value: %d		<log,myhost,prg>
2225051	Host to HPC Interface Error.\n The HPC received a lead request packet with an invalid\n lead selected.\n lead: %d		<log,myhost,prg>
2225052	Internal Software Error\n The HPC received a bad lead request packet.		<log,myhost,prg>
2225053	Internal Software Error\n The HPC received a heart rate of zero.		<log,myhost,prg>
2225054	Internal Software Error\n The HPC received a packet with a trigger window conflict.		<log,myhost,prg>
2225055	Internal Software Error\n The HPC received a trigger window of zero.		<log,myhost,prg>
2225056	Host to HPC Interface Error.\n The HPC received a packet with a lead select conflict.		<log,myhost,prg>
2225057	Internal Software Error\n The HPC received a lead select of zero.		<log,myhost,prg>
2225058	SPU to HPC Interface Error.\n The HPC received a gated triggers found packet while already in the\n scanning state.		<log,myhost,prg>
2225059	Host to HPC Interface Error.\n The HPC received a trigger level packet with an invalid\n trigger level.\n trigger level: %d		<log,myhost,prg>
2225060	IPG Communication Error. It will necessary to reset TPS.\n WARP failed to respond to an update command from HPC.\n This could be caused by a software error OR by a bad WARP, \n or bad DPR between WARP and the IPG main CPU.		<log,myhost,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225061	IPG Advisory message - DECC will not be performed during scanning.\n Eddy Current Compensation coefficient file /usr/g/caldir/ecccoeff.dat\n could not be found or could not be opened. Please run Grafidy to\n create the file.		<log,myhost,svr>
2225062	IPG Communication error. ECC coefficient file could not be closed.\n This could be caused by an internal s/w error or network error.\n Please reset TPS!		<log,myhost,svr>
2225063	IPG internal error reading ECC coefficient file. File ecccoeff.dat\n may not be correctly formatted or corrupted, please check!		<log,myhost,svr>
2225064	IPG internal error translating ECC coefficient to WARP format.\n File ecccoeff.dat may not be correctly formatted or corrupted, please check!		<log,myhost,svr>
2225065	EOS interrupt detected rotation matrix update or shim command was not\n processed by WARP. Image quality may be degraded. Possible PSD\n programming error.\n Number of commands missed: %d		<log,myhost,opr>
2225066	ISI interrupt detected rotation matrix update or shim command was not\n processed by WARP. Image quality may be degraded. Possible PSD\n programming error.\n Number of commands missed: %d		<log,myhost,opr>
2225067	ECC and B0 coefficient update was not processed by the WARP.\n Compensation state may not be as expected, possible IQ degradation.\n Re-download the PSD, run IMP/WARP diags.		<log,myhost,opr>
2225068	WARP eccload configuration error detected by IPG -\n WARP executable is SR config %d, ecc coeff file is intended for SR %d.\n Consider re-running Grafidy...		<log,myhost,opr>
2225069	WARP eccload configuration error detected by IPG -\n ECC coefficient file contains %d Cn/Fn coefficients, but only %d can be\n processed by the WARP.		<log,myhost,opr>
2225070	SHMOD was unable to establish its communication port.\n The cm_define call of SHMOD_PORT failed.\n Reset TPS if you wish to use SHMOD.		<log,myhost,svr>
2225071	Please Reset TPS. SHMOD was unable to remove its communication port.\n The cm_delete call of SHMOD_PORT failed.		<log,myhost,svr>
2225080	Patient cardiac and respiratory data is being simulated by software.\b A steady, non-varying signal is being used for the simulation.\n The PAC is emulated in the ipg_stage file. Remove emulation flag \n and Reset TPS to use patient data.		<pri4,log,myhost,opr>
2225081	RF door switch and PDU status are not being monitored.\b The TYME II is emulated in the ipg_stage file. Remove emulation flag \n and Reset TPS to enable monitoring.		<pri4,log,myhost,opr>
2225082	Scan time display and waveform display has been disabled.\b The hard keys will not function.\n The Integrated Work Space is emulated in the ipg_stage file.\n Remove emulation flag and Reset TPS to enable.		<pri4,log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225083	Control and monitoring of the T/R driver, dynamic disable board is disabled.\b\ The T/R driver is emulated in the ipg_stage file. Remove emulation flag \n\ and Reset TPS to enable.		<pri4,log,myhost,opr>
2225084	Control and monitoring of the Gradient Driver Subsystem is disabled.\b\ The gradients are emulated in the ipg_stage file. Remove emulation flag \n\ and Reset TPS to enable.		<pri4,log,myhost,opr>
2225085	Control and monitoring of the RF amplifier(s) is disabled.\b\ The RF amplifier(s) is emulated in the ipg_stage file. Remove\n\ emulation flag and Reset TPS to enable.		<pri4,log,myhost,opr>
2225086	Control and monitoring of the RF power monitor is disabled.\b\ The power monitor is emulated in the ipg_stage file. This will cause\n\ it to trip if you try to scan. Remove emulation flag and Reset TPS\n\ before scanning.		<pri4,log,myhost,opr>
2225087	Control and monitoring of RF System, Gradient Driver System, and\n\ TYME II functions are disabled.\b\ The MDS link is emulated in the ipg_stage file. Remove emulation flag\n\ and Reset TPS to enable.		<pri4,log,myhost,opr>
2225088	This message is no longer used. If you see it, write a CQA.		<pri4,log,myhost,opr>
2225089	Landmarking and all buttons on the magnet shroud have been disabled.\b\ The SRI is emulated in the ipg_stage file. Remove emulation flag \n\ and Reset TPS to enable.		<pri4,log,myhost,opr>
2225090	Landmarking has been disabled.\b\ The table is emulated in the ipg_stage file. Remove emulation flag \n\ and Reset TPS to enable.		<pri4,log,myhost,opr>
2225091	This message is no longer used. If you see it, write a CQA.		<pri4,log,myhost,opr>
2225092	SRI Error Checking has been disabled.\b\ The SRI (table & buttons on magnet shroud) will work.\n\ SRI errors may be reported but they will not stop the scan.\n\ It is disabled in the ipg_stage file.\n\ Remove emulation flag and Reset TPS to enable.		<pri4,log,myhost,opr>
2225093	Gradient Driver Subsystem error reporting has been disabled.\b\ The gradients will be controlled, but no errors will be reported\n\ or recovered. It is disabled in the ipg_stage file. Remove \n\ emulation flag and Reset TPS to enable.		<pri4,log,myhost,opr>
2225094	Gradient Driver Subsystem Overload Error Reporting has been disabled.\b\ The gradients will be controlled normally, but no overload errors\n\ will be reported. It is disabled in the ipg_stage file.\n\ Remove emulation flag and Reset TPS to enable.		<pri4,log,myhost,opr>
2225095	Patient plethysmograph data is being simulated by software.\b\ A steady, non-varying signal is being used for the simulation.\n\ The PAC PP is emulated in the ipg_stage file. Remove emulation flag \n\ and Reset TPS to use patient data.		<pri4,log,myhost,opr>
2225100	The Gating Subsystem can not be reset during scanning.		<log,myhost,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225101	HPC to Host Interface Error.\n The HPC received a gating request packet with more than\n one request bit set.\n Requested Bits: %d		<log,myhost,prg>
2225102	Host to HPC Interface Error.\n The HPC received a PAC ECG CINE Filter packet with an invalid\n filter requested.\n Filter: %d		<log,myhost,prg>
2225103	Host to HPC Interface Error.\n HPC received a Resp Trig Trigger Point value out of range.\n Trigger Point = %d		<log,myhost,prg>
2225104	Host to HPC Interface Error.\n HPC received a Resp Trig Trigger Window value out of range.\n Trigger Window = %d		<log,myhost,prg>
2225105	Host to HPC Interface Error.\n HPC received a gate mode packet value out of range.\n Mode Value = %d		<log,myhost,prg>
2225110	IPG system error.\n HPC was unable to open or create the file /usr/g/service/log/pcft.log.		<log,myhost,prg>
2225111	IPG system error.\n HPC opened the file /usr/g/service/log/pcft.log but could not append\n data to the file.		<log,myhost,prg>
2225112	IPG system error.\n IPG was not able to properly close the `pcft.log' file in \n /usr/g/service/log. Reset TPS and try again.		<log,myhost,prg>
2225120	GRADIENT SIGNAL LIMIT UPDATE ERROR.\n An error occurred while updating ASM/GIP signal limits. Only %d of %d new\n signal limits were updated. Real Time Monitoring will run, but false\n errors may be logged as a result.		<log,myhost,prg>
2225121	GRADIENT SIGNAL LIMIT UPDATE ERROR.\n An error occurred while updating GASM signal limits. Only %d of %d new\n signal limits were updated. Real Time Monitoring will run, but false\n errors may be logged as a result.		<log,myhost,prg>
2225122	GRADIENT SIGNAL LIMIT UPDATE ERROR.\n An error was detected while validating the contents of the gradient\n signal limit files. No signal limits have been updated. Real Time\n Monitoring will run, but false errors may be logged as a result.		<log,myhost,prg>
2225125	A VxWorks error occurred when HPC was making a msgpost call.\n VxWorks error code = %08X		<log,myhost,prg>
2225126	VME Bus Failed - cannot write to TYME II card over VME.\n HPC was unable to write the bore fan state to the TYME II card using\n the VME Bus.\n A TPS reset may fix the problem.		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225127	VME Bus Failed - cannot write to TYME II card over VME.\n HPC was unable to write the alignment light state to the TYME II card\n using the VME Bus.\n A TPS reset may fix the problem.		<log,myhost,opr>
2225128	VME Bus Failed - cannot write to TYME II card over VME.\n HPC was unable to write the bore light state to the TYME II card using\n the VME Bus.\n A TPS reset may fix the problem.		<log,myhost,opr>
2225129	VME Bus Failed - cannot read to TYME II card over VME.\n HPC was unable to read the helium alarm status from the TYME II card using\n the VME Bus.\n A TPS reset may fix the problem.		<log,myhost,opr>
2225130	VME Bus Failed - cannot read to TYME II card over VME.\n HPC was unable to read the RF door status from the TYME II card using\n the VME Bus.\n A TPS reset may fix the problem.		<log,myhost,opr>
2225131	VME Bus Failed - cannot read to TYME II card over VME.\n HPC was unable to read the PDU stop mode status from the TYME II card using\n the VME Bus.\n A TPS reset may fix the problem.		<log,myhost,opr>
2225132	VME Bus Failed - cannot read to TYME II card over VME.\n HPC was unable to read the PDU overtemperature status from the TYME II\n card using the VME Bus.\n A TPS reset may fix the problem.		<log,myhost,opr>
2225133	VME Bus Failed - cannot read to TYME II card over VME.\n HPC was unable to read the coil overtemperature status from the TYME II card\n using the VME Bus.\n A TPS reset may fix the problem.		<log,myhost,opr>
2225134	VME Bus Failed - cannot read to TYME II card over VME.\n HPC was unable to read the emergency stop status from the TYME II card using\n the VME Bus.\n A TPS reset may fix the problem.		<log,myhost,opr>
2225135	VME Bus Error - cannot read to TYME II card over VME.\n HPC was unable to read the 40C temperature status from the TYME II card. \n A TPS reset may fix the problem.		<log,myhost,opr>
2225136	VME Bus Failed - cannot write to TYME II card over VME.\n HPC was unable to write the cold head pump state to the TYME II card using\n the VME Bus.\n A TPS reset may fix the problem.		<log,myhost,opr>
2225140	IPG Advisory Message -\n Linear compensation found enabled in the ecccoeff.dat file,\n which is not expected in a SR17 gradient configuration.\n Please consider running grafidy to correct this.		<log,myhost,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225141	IPG Advisory Message -\n\ B0 compensation found enabled in the ecccoeff.dat file,\n\ which is not expected in a SR17 gradient configuration.\n\ Please consider running grafidy to correct this.		<log,myhost,prg>
2225142	IPG Advisory Message -\n\ B0 delay found to be non-zero in the ecccoeff.dat file,\n\ which is not expected in a SR17 gradient configuration.\n\ Please consider running grafidy to correct this.		<log,myhost,prg>
2225143	IPG Advisory Message -\n\ Linear compensation found disabled in the ecccoeff.dat file,\n\ which is not expected in a SR20 gradient configuration.\n\ Please consider running grafidy to correct this.		<log,myhost,prg>
2225144	IPG Advisory Message -\n\ B0 compensation found disabled in the ecccoeff.dat file,\n\ which is not expected in a SR20 gradient configuration.\n\ Please consider running grafidy to correct this.		<log,myhost,prg>
2225145	IPG Advisory Message -\n\ B0 delay found to be zero in the ecccoeff.dat file,\n\ which is not expected in a SR20 gradient configuration.\n\ Please consider running grafidy to correct this.		<log,myhost,prg>
2225146	IPG Advisory Message -\n\ Linear compensation found disabled in the ecccoeff.dat file,\n\ which is not expected in a SR50/77/120 gradient\n\ configuration. Please consider running grafidy to\n\ correct this.		<log,myhost,prg>
2225147	IPG Advisory Message -\n\ B0 compensation found disabled in the ecccoeff.dat file,\n\ which is not expected in a SR50/77/120 gradient\n\ configuration. Please consider running grafidy to\n\ correct this.		<log,myhost,prg>
2225148	IPG Advisory Message -\n\ B0 delay found to be zero in the ecccoeff.dat file,\n\ which is not expected in a SR50/77/120 gradient\n\ configuration. Please consider running grafidy to\n\ correct this.		<log,myhost,prg>
2225178	Press advance to scan.		<pri4,myhost,opr>
2225179	RF amplifier recovery in progress, see log.		<pri5,myhost,opr>
2225180	Gradient amplifier recovery in progress.		<pri5,myhost,opr>
2225181	Landmark disabled; Turn alignment lights on to landmark.		<pri5,myhost,opr>
2225182	PDU is in Stop mode. Emergency Stop button was pressed \ or PDU 24 Volt supply has failed.		<pri3,myhost,opr,fixedformat>
2225183	Spare message placeholder.		<pri5,myhost,opr>
2225184	Scan room door is open: please close.		<pri5,myhost,opr>
2225185	No landmark is established.		<pri5,myhost,opr>
2225186	RF amplifier powering on. Please wait.		<pri5,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225187	The SPI-SRI link has failed. Attempting recovery. Landmark is lost due to SRI reset. \		<pri5,myhost,opr>
2225188	Move table all the way out, then establish landmark. PDU is not on.\n\		<pri4,myhost,opr,fixedformat>
2225189	Possible loss of power (24V) at PDU control board.		<pri4,myhost,opr,log>
2225200	Pause button was pressed.		<myhost,opr,log>
2225201	RF amplifier error occurred.		<myhost,opr,log>
2225202	Spectroscopy filter error occurred.		<myhost,opr,log>
2225203	Spectro RF amplifier error occurred.		<myhost,opr,log>
2225204	Gradient amplifier error occurred.		<myhost,opr,log>
2225205	T/R driver, dynamic disable error occurred.		<myhost,opr,log>
2225206	Multi-coil driver error occurred.		<myhost,opr,log>
2225207	Landmark was cleared.		<myhost,opr,log>
2225208	Table moved off scan plane.		<myhost,opr,log>
2225209	Scan location was lost.		<myhost,opr,log>
2225210	Scan time was lost.		<myhost,opr,log>
2225211	T/R Driver transmit mode setting was lost.		<myhost,opr,log>
2225212	T/R Driver receive mode setting was lost.		<myhost,opr,log>
2225213	MDS error occurred.		<myhost,opr,log>
2225214	SPI-Workspace Interface Module link failed.		<myhost,opr,log>
2225215	Unknown reason.		<myhost,opr,log>
2225216	Stop button was pressed.		<myhost,opr,log>
2225217	Gradient data stopped.		<myhost,opr,log>
2225218	A T/R or dynamic disable fault occurred.		<myhost,opr,log>
2225219	Scan room door open.		<myhost,opr,log>
2225220	A new landmark was set.		<myhost,opr,log>
2225221	The Emergency Stop was pressed or PDU 24V power supply has failed.		<myhost,opr,log>
2225222	RTIA commanded pause.		<myhost,opr,log>
2225240	RF amplifier is not ready.		<myhost,opr,log>
2225241	Spectroscopy filter has not been set.		<myhost,opr,log>
2225242	Spectro RF amplifier is not ready.		<myhost,opr,log>
2225243	Gradient amplifiers are not ready.		<myhost,opr,log>
2225244	T/R driver, dynamic disable is not ready.		<myhost,opr,log>
2225245	Multi-coil driver is not ready.		<myhost,opr,log>
2225246	Landmark has not been set.		<myhost,opr,log>
2225247	The table is not at scan plane.		<myhost,opr,log>
2225248	Scan location is not set.		<myhost,opr,log>
2225249	Scan time is not set.		<myhost,opr,log>
2225250	T/R transmit mode is not set.		<myhost,opr,log>
2225251	NOT USED		<myhost,opr,log>
2225252	SPI-MDS link is not working.		<myhost,opr,log>
2225253	SPI-Workspace Interface Module link is not working.		<myhost,opr,log>
2225254	NOT USED		<myhost,opr,log>
2225255	SRI link is not working.		<myhost,opr,log>
2225256	Scan room door is open.		<myhost,opr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225257	The PDU is in Stop mode.		<myhost,opr,log>
2225258	The gradient coils are over temperature.		<myhost,opr,log>
2225259	Unknown reason.		<myhost,opr,log>
2225260	Patient comfort temperature sensor trip.		<myhost,opr,log>
2225270	SPI programming error. It may be necessary to reset TPS.\n The SPI attempted to send an unrecognized packet to the SRI.\n Unknown Opcode: 0x%02X		<log,myhost,prg>
2225271	SPI programming error. It may be necessary to reset TPS.\n The SPI attempted to send an unrecognized opcode to the HPC.\n Opcode: 0x%02X		<log,myhost,prg>
2225272	SPI to HPC communications error. Overflow occurred in the SPI-HPC DPR.\n It may be necessary to reset TPS.		<log,myhost,prg>
2225273	Internal SPI software error. It may be necessary to reset TPS.\n Unexpected data in Workspace Interface Module xmit buffer. SPI-Workspace Interface Module Communication Error.\n		<log,myhost,prg>
2225274	It may be necessary to reset TPS.\n SPI-Workspace Interface Module xmit queue full.\n DUART status: 0x%02X\n Last value read from vector/level register: 0x%02X\n Interrupt mask register: 0x%02X		<log,myhost,prg>
2225275	Internal SPI programming error. It may be necessary to reset TPS.\n Invalid length of packet queued to Workspace Interface Module xmit buffer.		<log,myhost,prg>
2225276	Invalid SHMOD request. SPI received a request to read an undefined.\n hardware register %d. The valid range is %d to %d.		<log,myhost,prg>
2225277	Internal SPI software error. It may be necessary to reset TPS.\n MDS transmit queue overflow.		<log,myhost,prg>
2225278	SPI RF software is in an invalid state. Possible IPG/SPI hardware\n failure. Run Board Level Diagnostics.		<log,myhost,prg>
2225279	Internal SPI software error. It may be necessary to reset TPS.\n A runtime software error in gradient amplifier monitor routines.		<log,myhost,prg>
2225280	Internal SPI software error. It may be necessary to reset TPS.\n SPI-Workspace Interface Module receive queue full.\n SPI processing has not kept up with incoming Workspace Interface\n Module data stream.		<log,myhost,prg>
2225281	Internal SPI software error. It may be necessary to reset TPS.\n SPI-SRI xmit queue full.\n DUART status: 0x%02X\n Last value read from vector/level register: 0x%02X\n Interrupt mask register: 0x%02X		<log,myhost,prg>
2225282	Internal SPI software error. It may be necessary to reset TPS.\n SPI-SRI receive queue full. SPI processing has not kept up with\n incoming SRI data stream.		<log,myhost,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225283	Internal SPI error. It may be necessary to reset TPS.\n\nInterrupt controller hardware returned invalid vector or interrupt\n\nreceived from a disabled 80c196 internal interrupt sources.\n\nResetting power on the TPS chassis or systems cab. may also help.		<log,myhost,prg>
2225300	SPI-HPC Communication Error:\n\nThe SPI read an unrecognized opcode from shared memory.\n\nOpcode: 0x%02X		<log,myhost,prg>
2225301	SPI-HPC Communication Error:\n\nThe HPC sent an invalid scan state to the SPI via shared memory.\n\nScan State: 0x%02X		<log,myhost,prg>
2225302	SPI-HPC Communication Error:\n\nThe HPC sent an invalid scan time mode to the SPI via shared memory.\n\nThis could be caused by a PSD error or an HPC software error.\n\nScan Time Mode: 0x%02X		<log,myhost,prg>
2225303	IPG received a request for an unknown RF amplifier,\n\nor no RF amplifier was selected.\n\nThis could be caused by a PSD error. The amp selected was %d		<log,myhost,prg>
2225304	The IPG received a request for an invalid coil (transmit or receive).\n\nThis could be caused by a PSD error.\n\nAbcode is %d, coil selected is %d.		<log,myhost,prg>
2225305	SPI-HPC Communication Error. An invalid amplifier was requested.\n\nThe SPI received a request to use the spectroscopy broadband RF amplifier,\n\nbut it is not enabled in the system configuration file.		<log,myhost,prg>
2225306	SPI-HPC Communication Error. HPC has not responded to an opcode from\n\nthe SPI. SPI has sent a signal to HPC to attempt recovery.		<log,myhost,prg>
2225330	SRI-SPI Communication Error.\n\nThe SPI received a packet from the SRI containing an unknown opcode.\n\nOpcode: 0x%02X		<log,myhost,prg>
2225331	SRI-SPI Communication Error.\n\nThe SPI received a response from the SRI containing an unknown opcode byte.\n\nResponse Opcode: 0x%02X		<log,myhost,prg>
2225332	SRI-SPI Communication Error.\n\nThe SPI received a bad switch closure data packet from the SRI.\n\nClosure Data: 0x%02X		<log,myhost,prg>
2225333	SRI-SPI Communication Error.\n\nThe SPI received a unknown message request from the SRI.\n\nRequest: 0x%02X		<log,myhost,prg>
2225334	SPI-SRI Communication Error.\n\nSRI failed to respond to a data packet from SPI.\n\nData packets waiting for a response: 0x%04X		<log,myhost,prg>
2225335	SRI-SPI Communication Error.\n\nThe SPI received a data byte from the SRI when an opcode byte was expected.\n\nData: 0x%02X		<log,myhost,prg>
2225336	SRI-SPI Communication Error.\n\nThe SPI received a packet indicating that SRI has reset.		<log,myhost,prg>



## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225460	Gradient coil temperature high.\b\ Protective automatic shutdown likely if temperature continues\n\ to rise.		<pri4,log,myhost,opr>
2225467	Gradient Cabinet MDS peripheral response error.\n\ Unknown error code returned from Gradient Cabinet.\n\ Unknown error: 0x%02X		<log,myhost,opr>
2225468	IPG could not determine the type of Gradient Subsystem present.\n\ If a valid Gradient Subsystem is present, the MDS link communication\n\ may be bad.\n\ Gradient system type detected: 0x%02X		<log,myhost,svr>
2225470	RF amplifier response timeout.\b\ RF MDS peripheral - RF Amp/RF Interface link failure.\n\ Verify that the RF Amplifier or RF Interface is powered on and that\n\ the RF MDS peripheral is connected to the RF Amplifier or RF Interface.		<pri4,log,myhost,opr>
2225471	RF Amplifier Error.\n\ The RF amplifier is in an invalid, undefined state.\n\ RF amplifier status register read: 0x%02X\n\ Please power cycle the RF Subsystem and Reset TPS.		<log,myhost,svr>
2225472	RF Amplifier Error.\n\ The RF amplifier failed to go into the commanded mode (head or body),\n\ or the RF amplifier changed mode when not commanded to change.\n\ Present Mode: 0x%02X Requested Mode: 0x%02X\n\ Please power cycle the RF Subsystem and Reset TPS.		<log,myhost,svr>
2225473	RF Amplifier Error.\n\ The RF amplifier reset watchdog engaged.\n\ This indicates either a microprocessor fault condition exists\n\ or a cold start is in progress.		<log,myhost,svr>
2225474	RF Amplifier Error.\n\ The RF amplifier changed state (powered off, went to standby or operate)\n\ without being commanded.\n\ Previous state: 0x%02X New state: 0x%02X\n\ Please power cycle the RF Subsystem and Reset TPS.		<log,myhost,svr>
2225475	RF Amplifier Write Verify Error.\n\ The RF amplifier failed to accept the power off command from the\n\ MDS peripheral. New State: 0x%02X Present Status: 0x%02X\n\ Please power cycle the RF Subsystem and Reset TPS.		<log,myhost,svr>
2225476	RF Amplifier Error.\n\ RF amplifier failed to power off, in the allotted amount of time,\n\ when commanded to do so.\n\ Please power cycle the RF Subsystem and Reset TPS.		<log,myhost,svr>
2225477	RF Amplifier Write Verify Error.\n\ RF amplifier failed to accept the ready command from the\n\ MDS peripheral. New State: 0x%02X Present Status: 0x%02X\n\ Please power cycle the RF Subsystem and Reset TPS.		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225478	RF Amplifier Error.\n RF amplifier failed to power on or go to ready when commanded,\n or took too long to power on.\n Please power cycle the RF Subsystem and Reset TPS.		<log,myhost,svr>
2225479	RF Amplifier Write Verify Error.\n RF amplifier failed to accept the operate command, in the allotted amount\n of time, from the MDS peripheral. New State: 0x%02X Present Status: 0x%02X\n Please power cycle the RF Subsystem and Reset TPS.		<log,myhost,svr>
2225480	RF Amplifier Error.\n RF amplifier failed to go to operate when commanded to do so.\n Please power cycle the RF Subsystem and Reset TPS.		<log,myhost,svr>
2225481	RF Amplifier Error.\n The RF amplifier is in factory, not product mode.		<log,myhost,svr>
2225482	RF/Pen or RF/PDU Cabinet MDS peripheral response timeout.\n Unknown link failure internal to the RF/Pen or RF/PDU Cabinet.\n Unknown link: 0x%02X\n Please power cycle the RF Subsystem and Reset TPS.		<log,myhost,opr>
2225483	RF/Pen or RF/PDU Cabinet MDS peripheral response error.\n Unknown error code returned from RF/Pen or RF/PDU Cabinet.\n Unknown error: 0x%02X\n Please power cycle the RF Subsystem and Reset TPS.		<log,myhost,opr>
2225484	IPG tried to read an undefined RF Amplifier Register.\n Register: 0x%02X		<log,myhost,svr>
2225485	IPG tried to write an undefined RF Amplifier Register.\n Register: 0x%02X		<log,myhost,svr>
2225486	IPG tried to write an undefined command to the RF Control Register.\n Data: 0x%02X		<log,myhost,svr>
2225487	RFampType in MRconfig.cfg file does not match RF Amplifier Type\n determined by SPI. Please update MRconfig.cfg file with correct RFampType.\n Actual RF Amplifier Type: %01d.%02dT %b		<log,myhost,svr>
2225488	Erbtec		<log,myhost,svr>
2225489	Solid State TELI		<log,myhost,svr>
2225490	Spectro Amplifier response timeout.\n This error message is not used.		<pri4,log,myhost,opr>
2225491	Spectro RF Amplifier Error.\n A general Spectro RF Amplifier fault occurred. Please check the Amplifier.		<log,myhost,svr>
2225492	Spectro RF Amplifier Error.\n A Spectro RF Amplifier duty cycle fault occurred.		<log,myhost,svr>
2225493	Spectro RF Amplifier Error.\n A Spectro RF Amplifier pulse width fault occurred.		<log,myhost,svr>
2225494	Spectro RF Amplifier Error.\n A Spectro RF Amplifier overheat fault occurred.		<log,myhost,svr>
2225495	Spectro RF Amplifier Power is off. Please check circuit breakers and\n verify LED is lit on Spectro RF Amplifier.		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225496	Spectro RF Amplifier Error.\n The power monitor tripped and disabled the amplifier.\n Possible defective power monitor, cables or Processor Board.		<log,myhost,svr>
2225497	Spectro RF Amplifier Error.\n The filter value written to the Spectro RF Amplifier failed to verify.		<log,myhost,svr>
2225498	Unknown Amplifier		<log,myhost,svr>
2225510	Dynamic disable and T/R driver response timeout.\n T/R and dynamic disable communication link failure. Verify that the\n RF MDS peripheral is connected to the T/R driver assembly.		<pri4,log,myhost,opr>
2225511	RF peak power was exceeded.\b\ Error detected by T/R driver board.		<pri4,log,myhost,opr>
2225512	Dynamic disable and T/R driver fault.\b\ A write to the driver board coil register failed to verify.		<pri4,log,myhost,opr>
2225513	Attention: T/R driver in service, not product mode.		<pri4,log,myhost,opr>
2225514	Dynamic disable and T/R driver fault.\b\ +15 volt switching power supply low.		<pri4,log,myhost,opr>
2225515	Dynamic disable and T/R driver fault.\b\ -15 volt switching power supply low.		<pri4,log,myhost,opr>
2225516	Dynamic disable and T/R driver fault.\b\ High voltage power supply low. Also may be a shorted\n load on dynamic disable or direct drive circuits.		<pri4,log,myhost,opr>
2225517	Dynamic disable and T/R driver fault.\b\ Possibly a disconnected cable between the driver board and the head\n T/R network, or an open diode in the head T/R switch.		<pri4,log,myhost,opr>
2225518	Dynamic disable and T/R driver fault.\b\ Possibly a shorted diode in the head T/R switch network, or a short\n circuit load.		<pri4,log,myhost,opr>
2225519	Dynamic disable and T/R driver fault.\b\ Possibly a disconnected cable between the driver board and the\n body T/R network, or an open diode in the body T/R switch.		<pri4,log,myhost,opr>
2225520	Dynamic disable and T/R driver fault.\b\ Possibly a shorted diode in the body T/R switch network, or a short\n circuit load.		<pri4,log,myhost,opr>
2225521	Not used.		<pri4,log,myhost,opr>
2225522	Not used.		<pri4,log,myhost,opr>
2225523	Dynamic disable and T/R driver fault.\b\ Possibly a disconnected cable between the driver board and the\n spectro T/R network, or an open diode in the spectro T/R switch.		<pri4,log,myhost,opr>
2225524	Dynamic disable and T/R driver fault.\b\ Possibly a shorted diode in the the spectro T/R switch network, or\n a short circuit load.		<pri4,log,myhost,opr>
2225525	Inductive or Direct Drive fault.\b\ Driver bias fault. Possibly a disconnected cable between\n the driver board and the driver switches, or an open diode\n in the driver switches.		<pri4,log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225526	Inductive or Direct Drive fault.\b\ Drive bias fault. Possibly a shorted diode in the\n\ the driver switches, or a short circuit load.		<pri4,log,myhost,opr>
2225527	Dynamic disable and T/R driver fault.\b\ Dynamic Disable bias fault on driver 1. Possibly a disconnected\n\ cable between the driver board and the dynamic disable switch boxes, or\n\ an open diode in dynamic disable switch boxes 1 and 3.		<pri4,log,myhost,opr>
2225528	Dynamic disable and T/R driver fault.\b\ Dynamic Disable bias fault on driver 1. Possibly a short circuit load\n\ or a shorted diode in the dynamic disable switch boxes 1 and 3.		<pri4,log,myhost,opr>
2225529	Dynamic disable and T/R driver fault.\b\ Dynamic Disable bias fault on driver 2. Possibly a disconnected\n\ cable between the driver board and the dynamic disable switch boxes, or\n\ an open diode in dynamic disable switch boxes 2 and 4.		<pri4,log,myhost,opr>
2225530	Dynamic disable and T/R driver fault.\b\ Dynamic Disable bias fault on driver 2. Possibly a short circuit load\n\ or a shorted diode in the dynamic disable switch boxes 2 and 4.		<pri4,log,myhost,opr>
2225531	Dynamic disable and T/R driver fault.\b\ Dynamic Disable bias fault on driver 3. Possibly a disconnected\n\ cable between the driver board and the dynamic disable switch boxes, or\n\ an open diode in dynamic disable switch boxes 5 and 7.		<pri4,log,myhost,opr>
2225532	Dynamic disable and T/R driver fault.\b\ Dynamic Disable bias fault on driver 3. Possibly a short circuit load\n\ or a shorted diode in the dynamic disable switch boxes 5 and 7.		<pri4,log,myhost,opr>
2225533	Dynamic disable and T/R driver fault.\b\ Dynamic Disable bias fault on driver 4. Possibly a disconnected\n\ cable between the driver board and the dynamic disable switch boxes, or\n\ an open diode in dynamic disable switch boxes 6 and 8.		<pri4,log,myhost,opr>
2225534	Dynamic disable and T/R driver fault.\b\ Dynamic Disable bias fault on driver 4. Possibly a short circuit load\n\ or a shorted diode in the dynamic disable switch boxes 6 and 8.		<pri4,log,myhost,opr>
2225535	Dynamic disable and T/R driver board error.\b\ A spurious T/R or inductive drive fault occurred. It cleared itself\n\ before the specific problem could be read. Possible causes: noise on\n\ the dynamic disable board or a bad board.		<pri4,log,myhost,opr>
2225536	Dynamic disable and T/R driver board error.\b\ A spurious dynamic disable fault occurred. It cleared itself before\n\ the specific problem could be read. Possible causes: noise on the\n\ dynamic disable board or a bad board.		<pri4,log,myhost,opr>
2225537	A spurious multi coil T/R fault occurred.\b\ Fault cleared before the specific problem could be read. Possible causes:\n\ noise on the dynamic disable or multi-coil board or a bad board.		<pri4,log,myhost,opr>
2225538	T/R driver indicates it is no longer in a normal mode of operation.		<pri4,log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225539	Dynamic disable and T/R driver fault.\b\ Dynamic Disable bias fault on front drivers. Possibly a disconnected\n\ cable between the driver board and the dynamic disable switch boxes, or\n\ an open diode in dynamic disable switch boxes on FRONT of BRM.		<pri4,log,myhost,opr>
2225540	Dynamic disable and T/R driver fault.\b\ Dynamic Disable bias fault on front drivers. Possibly a short circuit load\n\ or a shorted diode in the dynamic disable switch boxes on FRONT of BRM.		<pri4,log,myhost,opr>
2225541	Dynamic disable and T/R driver fault.\b\ Dynamic Disable bias fault on back drivers. Possibly a disconnected\n\ cable between the driver board and the dynamic disable switch boxes, or\n\ an open diode in dynamic disable switch boxes on BACK of BRM.		<pri4,log,myhost,opr>
2225542	Dynamic disable and T/R driver fault.\b\ Dynamic Disable bias fault on back drivers. Possibly a short circuit load\n\ or a shorted diode in the dynamic disable switch boxes on BACK of BRM.		<pri4,log,myhost,opr>
2225543	Dynamic disable and T/R driver fault.\b\ This error should not occur with BRM. Possible cause is bad\n\ Pin Switch Driver Board.		<pri4,log,myhost,opr>
2225550	Multi-coil array driver error.\b\ A write to the multi-coil array driver coil register failed\n\ to verify. Possible causes: bad board or connections in the TR\n\ chassis.\n\ Present State: 0x%02X\n\ Requested State: 0x%02X		<pri4,log,myhost,opr>
2225551	Multi-Coil T/R Driver Fault.\b\ An open circuit was detected on port 1.\n\ Check cable to multi-coil board or check for an open pin diode.		<pri4,log,myhost,opr>
2225552	Multi-Coil T/R Driver Fault.\b\ An open circuit was detected on port 2.\n\ Check cable to multi-coil board or check for an open pin diode.		<pri4,log,myhost,opr>
2225553	Multi-Coil T/R Driver Fault.\b\ An open circuit was detected on port 3.\n\ Check cable to multi-coil board or check for an open pin diode.		<pri4,log,myhost,opr>
2225554	Multi-Coil T/R Driver Fault.\b\ An open circuit was detected on port 4.\n\ Check cable to multi-coil board or check for an open pin diode.		<pri4,log,myhost,opr>
2225555	Multi-Coil T/R Driver Fault.\b\ A short circuit was detected on port 1.\n\ Check cable to multi-coil board or check for a shorted pin diode.		<pri4,log,myhost,opr>
2225556	Multi-Coil T/R Driver Fault.\b\ A short circuit was detected on port 2.\n\ Check cable to multi-coil board or check for a shorted pin diode.		<pri4,log,myhost,opr>
2225557	Multi-Coil T/R Driver Fault.\b\ A short circuit was detected on port 3.\n\ Check cable to multi-coil board or check for a shorted pin diode.		<pri4,log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225558	Multi-Coil T/R Driver Fault.\b\ A short circuit was detected on port 4.\n\ Check cable to multi-coil board or check for a shorted pin diode.		<pri4,log,myhost,opr>
2225570	Power Monitor Checksum Error:\n\ The SPI has reported a checksum error on the\n\ data sent from IPG. Attempt to prescribe the scan again.		<log,myhost,prg>
2225571	Fault in head amplitude.		<log,myhost,svr>
2225572	Fault in body amplitude.		<log,myhost,svr>
2225573	Fault in spectro amplitude.		<log,myhost,svr>
2225574	Fault in head pulse width.		<log,myhost,svr>
2225575	Fault in body pulse width.		<log,myhost,svr>
2225576	Fault in spectro pulse width.		<log,myhost,svr>
2225577	Fault in head duty cycle.		<log,myhost,svr>
2225578	Fault in body duty cycle.		<log,myhost,svr>
2225579	Fault in spectro duty cycle.		<log,myhost,svr>
2225580	Unused SPI error.		<log,myhost,prg>
2225581	The PDU is in overtemperature.\n\ The power distribution unit is indicating an overtemperature condition.		<log,myhost,opr>
2225582	The PDU is in stop mode. Emergency Stop button was pressed or PDU\n\ 24 Volt supply has failed. Note that this causes the MDS link to break,\n\ since the power should be off to both the gradient and RF cabinets.		<log,myhost,opr>
2225583	The PDU is in overnight mode.		<log,myhost,opr>
2225584	Attention: The helium level is low or the meter is off.\b\ The helium level is low in the superconduction magnet, the helium meter\n\ is off, or the cable between the meter and the SPI is disconnected.		<pri9,log,myhost,opr>
2225590	RF Amplifier fault %02d.		<log,myhost,svr>
2225591	ERBTEC RF Amplifier fault.\n\ Fault interlock held in the faulted state. Microprocessor\n\ is in reset, or possible defective cable between Processor\n\ Board and Display Board.		<log,myhost,svr>
2225592	ERBTEC RF Amplifier fault 01.\n\ Internal EPROM contents inconsistent with a run. The\n\ microprocessor detected a possible check-sum error\n\ Possible address bus fault or defective EPROM on the\n\ processor board.		<log,myhost,svr>
2225593	ERBTEC RF Amplifier fault 02.\n\ Dual port RAM problem. Possible defective Processor Board.		<log,myhost,svr>
2225594	ERBTEC RF Amplifier fault 03.\n\ A/D has failed. Possible problem with Processor Board.		<log,myhost,svr>
2225595	ERBTEC RF Amplifier fault 04.\n\ A/D multiplexer has failed. Possible problem with the\n\ Processor Board or 1 of the 32 analog signals.		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225596	ERBTEC RF Amplifier fault 05.\n\nA/D self-test in the microprocessor has failed. The\n\ncheck of the Gnd., 1/2 Vcc, and Vcc in the microprocessor\n\nfailed. Possible defective Processor Board.		<log,myhost,svr>
2225597	ERBTEC RF Amplifier fault 06.\n\nStepping motor coil is open. Possible defective or open\n\nmotor cable, open stepping motor winding, or defective Processor\n\nBoard.		<log,myhost,svr>
2225598	ERBTEC RF Amplifier fault 07.\n\nIllegal opcode. Possible defective Processor Board.		<log,myhost,svr>
2225599	ERBTEC RF Amplifier fault 08.\n\nMicroprocessor external interrupt high does not cause an\n\ninterrupt. Possible defective Processor Board.		<log,myhost,svr>
2225600	ERBTEC RF Amplifier fault 09.\n\nMicroprocessor external interrupt low does not cause an\n\ninterrupt. Possible defective Processor Board.		<log,myhost,svr>
2225601	ERBTEC RF Amplifier fault 10.\n\nHeat sink monitor temperature unacceptable. Possible\n\ndefective thermistor on Solid State Amplifier Board or\n\n disconnected cable between Processor Board and Solid\n\nState Amplifier Board.		<log,myhost,svr>
2225602	ERBTEC RF Amplifier fault 11.\n\nSCM cable interlock fault. Possible disconnected or defective SCM\n\nJumper Connector.		<log,myhost,svr>
2225603	ERBTEC RF Amplifier fault 12.\n\n100V power supply unacceptable - less than 88V or greater\n\nthan 147V. Possible defective Power Control Board, IPI or\n\nPA tube, or open cables.		<log,myhost,svr>
2225604	ERBTEC RF Amplifier fault 13.\n\nIPA HV unacceptable. +3kV power supply is below 2.25kV or more than\n\n3.784kV; probably a low voltage. Possible defective IPA tube or bad\n\nHigh Voltage Rectifier/Filter Board. Check line voltage for low or\n\nvarying voltage.		<log,myhost,svr>
2225605	ERBTEC RF Amplifier fault 14.\n\nIPA heater current unacceptable. The current is either\n\ngreater than 1.9 amps or less than 1.1 amps. Possible\n\ndefective IPA tube, Power Control Board, or harness.		<log,myhost,svr>
2225606	ERBTEC RF Amplifier fault 15.\n\n-5V power supply unacceptable. Less than -5.4V or greater than\n\n-4.2V. Possible defective Processor Board.		<log,myhost,svr>
2225607	ERBTEC RF Amplifier fault 16.\n\n48V power supply unacceptable. Less than 42.9V or greater than\n\n51.5V. Possible defective Power Control Board or Solid\n\nState Amplifier Board.		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225608	ERBTEC RF Amplifier fault 17.\n\nPA HV unacceptable. +6kV less than 4.5kV or greater than\n\n7.592kV; most probably a low voltage. Possible defective\n\nPA tube or HV Rectifier/Filter Board. Check incoming power\n\nfor low or varying voltages.		<log,myhost,svr>
2225609	ERBTEC RF Amplifier fault 18.\n\nPA heater current unacceptable. The current is either\n\ngreater than 16 amps or less than 12 amps. Possible\n\ndefective PA tube, Power Control Board, or harness.		<log,myhost,svr>
2225610	ERBTEC RF Amplifier fault 19.\n\n32V power supply unacceptable, less than 21.8V or greater than\n\n38.4V. Possible defective AC Switching Module connectors or fuses\n\nF3, F6, or F9. Check for excessive loading, such as on the\n\nstepping motors.		<log,myhost,svr>
2225611	ERBTEC RF Amplifier fault 20.\n\n2.5V reference unacceptable. Less than 2.2V or greater\n\nthan 2.7V. Possible defective Processor Board or AC\n\nSwitching Module transformer T1 or fuses.		<log,myhost,svr>
2225612	ERBTEC RF Amplifier fault 21.\n\n24V power supply unacceptable. Less than 22.3V or greater than\n\n25V. Possible defective Power Control Board.		<log,myhost,svr>
2225613	ERBTEC RF Amplifier fault 22.\n\nMotor 1 zero fault. Either motor 1 is stuck at zero or\n\nAFT has failed and forced motor to zero. Possible defective\n\nmotor or cable.		<log,myhost,svr>
2225614	ERBTEC RF Amplifier fault 23.\n\nMotor 2 zero fault. Either motor 2 is stuck at zero or\n\nAFT has failed and forced motor to zero. Possible defective\n\nmotor or cable.		<log,myhost,svr>
2225615	ERBTEC RF Amplifier fault 24.\n\nMotor 3 zero fault. Either motor 3 is stuck at zero or\n\nAFT has failed and forced motor to zero. Possible defective\n\nmotor or cable.		<log,myhost,svr>
2225616	ERBTEC RF Amplifier fault 25.\n\nMotor 4 zero fault. Either motor 4 is stuck at zero or\n\nAFT has failed and forced motor to zero. Possible defective\n\nmotor or cable.		<log,myhost,svr>
2225617	ERBTEC RF Amplifier fault 26.\n\nMotor 1 zero not found, although the zero was found while\n\ninitializing. Possible defective cables to motor 1 and zero\n\nsensors, and drivers on Processor Board.		<log,myhost,svr>
2225618	ERBTEC RF Amplifier fault 27.\n\nMotor 2 zero not found, although the zero was found while\n\ninitializing. Possible defective cables to motor 2 and zero\n\nsensors, and drivers on Processor Board.		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225619	ERBTEC RF Amplifier fault 28.\n\nMotor 3 zero not found, although the zero was found while\n\ninitializing. Possible defective cables to motor 3 and zero\n\nsensors, and drivers on Processor Board.		<log,myhost,svr>
2225620	ERBTEC RF Amplifier fault 29.\n\nMotor 4 zero not found, although the zero was found while\n\ninitializing. Possible defective cables to motor 4 and zero\n\nsensors, and drivers on Processor Board.		<log,myhost,svr>
2225621	ERBTEC RF Amplifier fault 30.\n\nMotor or washer stuck. All motors were able to pass the zero\n\nand non-zero tests during initialization. Now, one or more is\n\nnot operating correctly.		<log,myhost,svr>
2225622	ERBTEC RF Amplifier fault 32.\n\nUnblank longer than 20 msec. The rising and falling edge\n\nof the unblank signal did not fall within the 20 msec time\n\nlimit. Check the unblank cable and the Processor Board.		<log,myhost,svr>
2225623	ERBTEC RF Amplifier fault 33.\n\nUnblank without Power Monitor.		<log,myhost,svr>
2225624	ERBTEC RF Amplifier fault 35.\n\nFET 1 coarse convergence failed. Possible defective\n\nSolid State Amplifier Board, Processor Board, or cables\n\nbetween them.		<log,myhost,svr>
2225625	ERBTEC RF Amplifier fault 36.\n\nFET 2 coarse convergence failed. Possible defective\n\nSolid State Amplifier Board, Processor Board, or cables\n\nbetween them.		<log,myhost,svr>
2225626	ERBTEC RF Amplifier fault 37.\n\nFET 3 coarse convergence failed. Possible defective\n\nSolid State Amplifier Board, Processor Board, or cables\n\nbetween them.		<log,myhost,svr>
2225627	ERBTEC RF Amplifier fault 38.\n\nFET 4 coarse convergence failed. Possible defective\n\nSolid State Amplifier Board, Processor Board, or cables\n\nbetween them.		<log,myhost,svr>
2225628	ERBTEC RF Amplifier fault 42.\n\nFET 1 fine convergence failed. Possible defective\n\nSolid State Amplifier Board, Processor Board, or cables\n\nbetween them.		<log,myhost,svr>
2225629	ERBTEC RF Amplifier fault 43.\n\nFET 2 fine convergence failed. Possible defective\n\nSolid State Amplifier Board, Processor Board, or cables\n\nbetween them.		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225630	ERBTEC RF Amplifier fault 44.\n\nFET 3 fine convergence failed. Possible defective\n\nSolid State Amplifier Board, Processor Board, or cables\n\nbetween them.		<log,myhost,svr>
2225631	ERBTEC RF Amplifier fault 45.\n\nFET 4 fine convergence failed. Possible defective\n\nSolid State Amplifier Board, Processor Board, or cables\n\nbetween them.		<log,myhost,svr>
2225632	ERBTEC RF Amplifier fault 46.\n\nFET 1 bias tracked out of range. Possible defective\n\nSolid State Amplifier Board (most likely), Processor Board,\n\nor cables between them.		<log,myhost,svr>
2225633	ERBTEC RF Amplifier fault 47.\n\nFET 2 bias tracked out of range. Possible defective\n\nSolid State Amplifier Board (most likely), Processor Board,\n\nor cables between them.		<log,myhost,svr>
2225634	ERBTEC RF Amplifier fault 48.\n\nFET 3 bias tracked out of range. Possible defective\n\nSolid State Amplifier Board (most likely), Processor Board,\n\nor cables between them.		<log,myhost,svr>
2225635	ERBTEC RF Amplifier fault 49.\n\nFET 4 bias tracked out of range. Possible defective\n\nSolid State Amplifier Board (most likely), Processor Board,\n\nor cables between them.		<log,myhost,svr>
2225636	ERBTEC RF Amplifier fault 50.\n\n100V power supply was less than 85V one second after\n\n100V start relay closed. Possible defective Power Control\n\nBoard, AC Switching Module, or excessive loading on power\n\nsupply bus.		<log,myhost,svr>
2225637	ERBTEC RF Amplifier fault 51.\n\n100V power supply was less than 90V one msec after\n\n100V run relay closed. Possible defective Power Control\n\nBoard, AC Switching Module, or excessive loading on power\n\nsupply bus - possibly a PA tube heater.		<log,myhost,svr>
2225638	ERBTEC RF Amplifier fault 52.\n\nIPA heater current was unacceptable one second after\n\nheater relay was enabled. Possible defective IPA tube,\n\nPower Control Board, or harness between tube and Power\n\nControl Board.		<log,myhost,svr>
2225639	ERBTEC RF Amplifier fault 53.\n\nPA heater current was unacceptable. Current is less than\n\n10.6 amps or greater than 18.6 amps. Possible defective\n\nPower Control Board, PA tubes, or harness.		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225640	ERBTEC RF Amplifier fault 54.\n\nPA tube heater soft-start failure within 15 seconds. Possible\n\ndefective PA tube, Power Control Board, or Processor Board.		<log,myhost,svr>
2225641	ERBTEC RF Amplifier fault 55.\n\n3kV power supply unacceptable within 0.5 sec after closing HV\n\nstart relay. Possible defective HV rectifier/filter board, bad\n\nrelay in AC Switching Module, or bad A/D on Processor Board.		<log,myhost,svr>
2225642	ERBTEC RF Amplifier fault 56.\n\n+6kV power supply unacceptable within 0.5 sec after closing HV\n\nstart relay. Possible defective HV rectifier/filter board, bad\n\nrelay in AC Switching Module, or bad A/D on Processor Board.		<log,myhost,svr>
2225643	ERBTEC RF Amplifier fault 57.\n\n+3kV power supply unacceptable within 0.5 to 6 seconds after\n\nclosing HV start relay. Possible defective HV rectifier/filter board,\n\nbad relay in AC Switching Module, or bad A/D on Processor Board.		<log,myhost,svr>
2225644	ERBTEC RF Amplifier fault 58.\n\n+6kV power supply unacceptable within 0.5 to 6 seconds after\n\nclosing HV start relay. Possible defective HV rectifier/filter board,\n\nbad relay in AC Switching Module, or bad A/D on Processor Board.		<log,myhost,svr>
2225645	ERBTEC RF Amplifier fault 59.\n\nHV Rectifier/Filter Board unacceptable within 100msec of\n\nclosing HV run relay. Possible defective HV rectifier/filter board,\n\nbad relay in AC Switching Module, or bad A/D on Processor Board.		<log,myhost,svr>
2225646	ERBTEC RF Amplifier fault 60.\n\nIPA tube AFT algorithm has gone beyond limit. The AFT\n\nroutine could not converge after 160 steps of the IPA tune\n\nand load capacitors. Possible defective IPA phase detector\n\nboard, motor drivers or A/D on processor board.		<log,myhost,svr>
2225647	ERBTEC RF Amplifier fault 61.\n\nPA tube AFT algorithm has gone beyond limit. The AFT routine\n\ncould not converge after 800 steps of the PA tune and load\n\n capacitors. Possible defective PA phase detector board, motor\n\ndrivers, or A/D on processor board.		<log,myhost,svr>
2225648	ERBTEC RF Amplifier fault 62.\n\nInsufficient power for AFT. Not enough power was seen at the\n\nIPA envelope detector to perform AFT. Possible defective Solid\n\nState Amplifier Board, bad connection to VTAC, bad IPA tube, input\n\nboard or phase detector.		<log,myhost,svr>
2225649	ERBTEC RF Amplifier fault 70.\n\nOperate command fault. An invalid command was received by\n\nthe microprocessor. Possible shorted SCM cable or defective\n\nProcessor Board.		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225650	ERBTEC RF Amplifier fault 71.\n\nFrequency command fault. Amp was commanded to the wrong frequency\n\nor frequency command was given while amp was in operate state.\n\nPossible cause: wrong magnet field strength in system config file\n\n(.5T vs 1.0T vs 1.5T)		<log,myhost,svr>
2225651	ERBTEC RF Amplifier fault 72.\n\nMode command fault. The mode command was given while the\n\namplifier was in the operate state or the amplifier was commanded\n\nto an invalid mode.		<log,myhost,svr>
2225652	ERBTEC RF Amplifier fault 73.\n\nPA (Body mode) forward power too high. Possible defective Erbtec RF\n\nMonitor Module, or high input signal to the amp, or bad A/D on\n\nprocessor board.		<log,myhost,svr>
2225653	ERBTEC RF Amplifier fault 74.\n\nIPA (Head mode) forward power too high. Possible defective Erbtec RF\n\nMonitor Module, or high input signal to the amp, or bad A/D on\n\nprocessor board.		<log,myhost,svr>
2225654	ERBTEC RF Amplifier fault 75.\n\nPA (Body mode) reflected power too high. Possible disconnected output\n\ncable, or improper load outside of the amplifier, or bad A/D on\n\nprocessor board.		<log,myhost,svr>
2225655	ERBTEC RF Amplifier fault 76.\n\nIPA (Head mode) reflected power too high. Possible disconnected output\n\ncable, or improper load outside of the amplifier, or bad A/D on\n\nprocessor board.		<log,myhost,svr>
2225656	ERBTEC RF Amplifier fault 77.\n\nPA grid current too high. Possible defective PA tube, or problems\n\non the power control board or processor board.		<log,myhost,svr>
2225657	ERBTEC RF Amplifier fault 78.\n\nIPA grid current too high. Possible defective IPA tube, or problems\n\non the power control board or processor board.		<log,myhost,svr>
2225658	ERBTEC RF Amplifier fault 79.\n\nPA plate current too high. Possible defective PA tube, bad High\n\nVoltage Rectifier/Filter Board, Power Control Board, or Processor Board.		<log,myhost,svr>
2225659	ERBTEC RF Amplifier fault 80.\n\nIPA plate current too high. Possible defective IPA tube, bad High\n\nVoltage Rectifier/Filter Board, Power Control Board, or Processor Board.		<log,myhost,svr>
2225660	ERBTEC RF Amplifier fault 81.\n\n3kV arc detected. Possible defective IPA tube or bad processor board.		<log,myhost,svr>
2225661	ERBTEC RF Amplifier fault 82.\n\nCover interlock 1 on HV tube cavity side. Possible defective\n\ncover and switch.		<log,myhost,svr>
2225662	ERBTEC RF Amplifier fault 83.\n\nCover interlock 2 on processor board side. Possible defective\n\ncover and switch.		<log,myhost,svr>



## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225680	SPI MDS link failure.\n MDS received an MDS broke error packet.		<log,myhost,srv>
2225681	IPG Hardware Error - Gradients timed out.\b\ A gradient clock stop error occurred. The SPG stopped receiving gradient data\n\ from the IPG during the scan.		<pri3,log,myhost,opr>
2225682	The patient comfort level is warmer than normal.\b\ The patient may be uncomfortable.\n\ Further increases in the temperature will inhibit scanning.\n\ Verify:\n\ 1. Patient fan is ON.\n\ 2. Room temperature is normal.\n\ 3. Air flow through the bore is unobstructed.		<pri2,log,myhost,opr>
2225683	The patient comfort level has returned to normal. Scan inhibited. Patient comfort sensor trip.\b\ To return to scanning, verify:\n\ 1. Patient fan is ON.\n\ 2. Scan room temperature is normal.\n\ 3. Air flow through the bore is unobstructed.\n\ 4. Gradient Cooling fan is normal.\n\ 5. BRM heat exchanger is normal.		<pri4,log,myhost,opr>
2225684	New scans can be initiated, but the patient comfort\n\ level is still warmer than normal.		<pri4,log,myhost,opr>
2225686	The bore temperature reading is low.\n\ Check for low room temperature, a short in the sensor, sensor cable,\n\ or connector, or a problem with the piggy-back amplifier board in the SRI.		<pri5,log,myhost,opr>
2225687	Hardware Failure: the bore temperature reading is invalid.\n\ It is reading too high. Check for an open in the sensor, sensor cable,\n\ or connector, or a problem with the amplifier board on the SRI.		<pri5,log,myhost,opr>
2225690	MDS link failure.\n\ A receive error was detected on the echo of an MDS transmission.\n\ Check the connections and signal level on the MDS fiber optic link.\n\ MDS timer: 0x%04d\n\ UART status: 0x%02X\n\ Received byte: 0x%02X		<log,myhost,opr>
2225691	MDS link failure.\n\ The IPG failed to receive an MDS transmission echo.\n\ If the link is broken, a separate error message will be logged.\n\ If not, a spurious error occurred.\n\ MDS timer: 0x%04d\n\ Transmitted byte: 0x%02X		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225692	MDS link failure.\n A receive error was detected on an MDS response.\n Check the connections and signal level on the MDS fiber optic link.\n MDS timer: 0x%04d\n UART status: 0x%02X\n Received byte: 0x%02X		<log,myhost,opr>
2225693	MDS link failure.\n An MDS device failed to respond to IPG.\n If the link is broken, a separate error message will be logged.\n If not, a spurious error occurred.\n MDS timer: 0x%04d\n Transmitted header: 0x%02X\n Transmitted opcode: 0x%02X		<log,myhost,opr>
2225694	MDS link failure.\n A response packet was lost due to a UART receive error.\n If the link is broken, a separate error message will be logged.\n MDS timer: 0x%04d\n First response byte: 0x%02X\n Second response byte: 0x%02X		<log,myhost,opr>
2225695	MDS link failure.\n An MDS peripheral indicated an error but did not send an error code.\n If the link is broken, a separate error message will be logged.\n If not, a spurious error occurred.\n MDS timer: 0x%04d\n MDS peripheral address: 0x%02X		<log,myhost,opr>
2225696	MDS link failure.\n A receive error was detected on the echo of an MDS retry transmission.\n Check the connections and signal level on the MDS fiber optic link.\n MDS timer: 0x%04d\n UART status: 0x%02X\n Received byte: 0x%02X		<log,myhost,opr>
2225697	MDS link failure.\n The IPG failed to receive an MDS transmission echo on a second try.\n If the link is broken, a separate error message will be logged.\n If not, a spurious error occurred.\n MDS timer: 0x%04d\n Transmitted byte: 0x%02X		<log,myhost,opr>
2225698	MDS link failure.\n A receive error was detected on an MDS response on a retry.\n Check the connections and signal level on the MDS fiber optic link.\n MDS timer: 0x%04d\n UART status: 0x%02X\n Received byte: 0x%02X		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225699	MDS link failure.\n An MDS device failed to respond to IPG on a second try.\n If the link is broken, a separate error message will be logged.\n If not, a spurious error occurred.\n MDS timer: 0x%04d\n Transmitted header: 0x%02X\n Transmitted opcode: 0x%02X		<log,myhost,opr>
2225700	MDS link failure.\n A response packet was lost due to a UART receive error on a retry.\n If the link is broken, a separate error message will be logged.\n MDS timer: 0x%04d\n First response byte: 0x%02X\n Second response byte: 0x%02X		<log,myhost,opr>
2225701	MDS link failure.\n Unexpected data was received on the MDS link.\n Check the connections and signal level on the MDS fiber optic link.\n MDS timer: 0x%04d\n UART status: 0x%02X\n Received byte: 0x%02X		<log,myhost,opr>
2225702	MDS link failure.\n The link appears to be broken between the IPG and the Gradient\n Subsystem. Check the connections and signal level of the MDS fiber optic\n link between the TYME II card and the Gradient Subsystem. Run MDS fiber\n optic link diagnostics.		<log,myhost,opr>
2225703	MDS link failure.\n The MDS fiber optic link appears to be broken between the Gradient\n and the RF cabinets. Check gradient cabinet power, fiber optic connections\n and signal level of fiber optic link. Run MDS fiber optic link diagnostics.		<log,myhost,opr>
2225704	MDS link failure.\n The MDS fiber optic link appears to be broken between the RF and\n System cabinets. Check RF cabinet power, fiber optic connections and\n signal level of the fiber optic link between the cabinets. Run MDS\n fiber optic link diagnostics.		<log,myhost,opr>
2225705	MDS link failure.\n The MDS fiber optic link appears to be broken internal to the Systems\n Cabinet. Check RF/Pen Cabinet power, fiber optic connections and\n signal level of the fiber optic link between the cabinets. Run MDS\n fiber optic link diagnostics.		<log,myhost,opr>
2225707	MDS link failure.\n The RF cabinet MDS peripheral board reported a bad address. Replace the\n RF MDS peripheral board.		<log,myhost,opr>
2225708	MDS link failure. Please see log.		<pri5,myhost,opr>
2225709	RF Interface (RFI) General Overheating Fault.\n Possible causes: restricted air flow, or defective RFI.>		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225710	RF Interface (RFI) Mismatch Fault.\n The Dump Resistor in the RFI has overheated.\n Possible causes: improper calibration, missing or improper cables\n between RFI and amplifier(s), defective RFI or defective TELI RF Amplifier(s).>		<log,myhost,svr>
2225711	TELI RF Amplifier 1 Cable Fault.\n The RF Interface (RFI) is reporting the cable is disconnected or\n defective between the RFI and the TELI RF Amplifier 1.		<log,myhost,svr>
2225712	TELI RF Amplifier 2 Cable Fault.\n The RF Interface (RFI) is reporting the cable is disconnected or\n defective between the RFI and the TELI RF Amplifier 2.		<log,myhost,svr>
2225713	Power Monitor 1 Fault.\n RF Transmit power has reached safety limit allowed for scan parameters\n and patient weight. Check patient weight entered.\n amplitude: %02d\n pulse width: %02d\n duty cycle: %02d\n %b\n This could also occur when power cycling SSM.>		<log,myhost,svr>
2225714	Power Monitor 2 Fault.\n RF Transmit power has reached safety limit allowed for scan parameters\n and patient weight. Check patient weight entered.\n amplitude: %02d\n pulse width: %02d\n duty cycle: %02d\n %b\n This could also occur when power cycling SSM.>		<log,myhost,svr>
2225715	RF Interface (RFI) High Voltage Relay Fault.\n Possible causes: RF Monitor Cable to System Support Module (SSM) is\n disconnected or defective.\n Note: This fault may occur in conjunction with a Power Monitor Fault or\n when power cycling the SSM.>		<log,myhost,svr>
2225716	TELI RF Amplifier 1 Power Supply Fault.\n TELI Amplifier 1 indicates the main power supply is out of specification.\n Possible causes: bad capacitor, power amplifier stages, or power\n supply failure. See RF Amplifier Functional Checks.>		<log,myhost,svr>
2225717	TELI RF Amplifier 1 Excessive Input Drive Fault.\n TELI Amplifier 1 detects input greater than 2.5dBm.\n Possible causes: RF Interface (RFI) miscalibration, defective exciter,\n or defective RF Amplifier 1.>		<log,myhost,svr>
2225718	TELI RF Amplifier 1 Overheat Fault.\n TELI Amplifier 1 reports the thermal switch has exceeded 80 degrees C.\n Possible causes: restricted air flow, blown fan fuse, defective fan,\n room environment out of specification or defective RF Amplifier 1.>		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225719	TELI RF Amplifier 1 Peak Power Fault.\n\nTELI RF Amplifier 1 reports its peak power has exceeded 4.5kW.\n\nPossible causes: RF Interface (RFI) calibration, defective RFI\n\noutput stage, defective Exciter or defective RF Amplifier 1.>		<log,myhost,svr>
2225720	TELI RF Amplifier 1 Average Power Fault.\n\nTELI RF Amplifier 1 reports its average power has exceeded 450W.\n\nPossible causes: the PSD is exceeding the limits of the system,\n\noutput stage, or defective RF Amplifier 1.>		<log,myhost,svr>
2225721	TELI RF Amplifier 1 Voltage Standing Wave Ratio (VSWR) Fault.\n\nTELI RF Amplifier 1 reports a greater than 4:1 ratio.\n\nPossible causes: disconnected or defective output cable from RF\n\nAmplifier 1 to RF Interface (RFI), defective RFI or RF Amplifier 1.>		<log,myhost,svr>
2225722	TELI RF Amplifier 1 Gate Fault.\n\nTELI RF Amplifier 1 reports an unblank pulse width greater than 30ms.\n\nPossible causes: the PSD is exceeding the limits of the system,\n\noutput stage, or defective RF Amplifier 1.>		<log,myhost,svr>
2225723	TELI RF Amplifier 2 Power Supply Fault.\n\nTELI Amplifier 2 indicates the main power supply is out of specification.\n\nPossible causes: bad capacitor, power amplifier stages, or power\n\nsupply failure. See RF Amplifier Functional Checks.>		<log,myhost,svr>
2225724	TELI RF Amplifier 2 Excessive Input Drive Fault.\n\nTELI Amplifier 2 detects input greater than 2.5dBm.\n\nPossible causes: RF Interface (RFI) miscalibration, defective exciter,\n\noutput stage, or defective RF Amplifier 2.>		<log,myhost,svr>
2225725	TELI RF Amplifier 2 Overheat Fault.\n\nTELI Amplifier 2 reports the thermal switch has exceeded 80 degrees C.\n\nPossible causes: restricted air flow, blown fan fuse, defective fan,\n\nroom environment out of specification or defective RF Amplifier 2.>		<log,myhost,svr>
2225726	TELI RF Amplifier 2 Peak Power Fault.\n\nTELI RF Amplifier 2 reports its peak power has exceeded 4.5kW.\n\nPossible causes: RF Interface (RFI) calibration, defective RFI\n\noutput stage, defective Exciter or defective RF Amplifier 2.>		<log,myhost,svr>
2225727	TELI RF Amplifier 2 Average Power Fault.\n\nTELI RF Amplifier 2 reports its average power has exceeded 450W.\n\nPossible causes: the PSD is exceeding the limits of the system,\n\noutput stage, or defective RF Amplifier 2.>		<log,myhost,svr>
2225728	TELI RF Amplifier 2 Voltage Standing Wave Ratio (VSWR) Fault.\n\nTELI RF Amplifier 2 reports a greater than 4:1 ratio.\n\nPossible causes: disconnected or defective output cable from RF\n\nAmplifier 2 to RF Interface (RFI), defective RFI or RF Amplifier 2.>		<log,myhost,svr>
2225729	TELI RF Amplifier 2 Gate Fault.\n\nTELI RF Amplifier 2 reports an unblank pulse width greater than 30ms.\n\nPossible causes: the PSD is exceeding the limits of the system,\n\noutput stage, or defective RF Amplifier 2.>		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225730	TELI RF Amplifier 1 Power Loss Fault.\n RF Interface (RFI) detects no power to TELI RF Amplifier 1.\n Possible cause: the breaker on the front of the RFI is turned off.\n If a cable fault is also reported, fixing the cable will probably fix\n this fault.		<log,myhost,svr>
2225731	TELI RF Amplifier 2 Power Loss Fault.\n RF Interface (RFI) detects no power to TELI RF Amplifier 2.\n Possible cause: the breaker on the front of the RFI is turned off.\n If a cable fault is also reported, fixing the cable will probably fix\n this fault.		<log,myhost,svr>
2225732	Solid State Analogic		<log,myhost,svr>
2225733	RF Interface (RFI) General Overheating Fault.\n Possible causes: restricted air flow, or defective RFI.>		<log,myhost,svr>
2225734	RF Interface (RFI) Mismatch Fault.\n The Dump Resistor in the RFI has overheated.\n Possible causes: improper calibration, missing or improper cables\n between RFI and amplifier(s), defective RFI or defective Analogic RF Amplifier(s).>		<log,myhost,svr>
2225735	Analogic RF Amplifier 1 Cable Fault.\n The RF Interface (RFI) is reporting the cable is disconnected or\n defective between the RFI and the Analogic RF Amplifier 1.		<log,myhost,svr>
2225736	Analogic RF Amplifier 2 Cable Fault.\n The RF Interface (RFI) is reporting the cable is disconnected or\n defective between the RFI and the Analogic RF Amplifier 2.		<log,myhost,svr>
2225737	Power Monitor 1 Fault.\n RF Transmit power has reached safety limit allowed for scan parameters\n and patient weight. Check patient weight entered.\n amplitude: %02d\n pulse width: %02d\n duty cycle: %02d\n %b\n This could also occur when power cycling SSM.>		<log,myhost,svr>
2225738	Power Monitor 2 Fault.\n RF Transmit power has reached safety limit allowed for scan parameters\n and patient weight. Check patient weight entered.\n amplitude: %02d\n pulse width: %02d\n duty cycle: %02d\n %b\n This could also occur when power cycling SSM.>		<log,myhost,svr>
2225739	RF Interface (RFI) High Voltage Relay Fault.\n Possible causes: RF Monitor Cable to System Support Module (SSM) is\n disconnected or defective.\n Note: This fault may occur in conjunction with a Power Monitor Fault or\n when power cycling the SSM.>		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225740	Analogic RF Amplifier 1 Power Loss Fault.\n\nRF Interface (RFI) detects no power to Analogic RF Amplifier 1.\n\nPossible cause: the breaker on the front of the RFI is turned off.>		<log,myhost,svr>
2225741	Analogic RF Amplifier 1 Power Supply Fault.\n\nAnalogic Amplifier 1 indicates the main power supply is out of specification.\n\nPossible causes: Supply feedback loop exceeds 2.5v, PS heat sink is overheated,\n\nPower supply FETS are shorted.>		<log,myhost,svr>
2225742	Analogic RF Amplifier 1 Duty Cycle Fault.\n\nUnblank duty cycle exceeds 63%%.>		<log,myhost,svr>
2225743	Analogic RF Amplifier 1 I Peak Overloaded Fault.\n\nInstantaneous peak drain current of RF devices exceeds 120 amps.>		<log,myhost,svr>
2225744	Analogic RF Amplifier 1 Device Fault 44.\n\nRF FET device is shorted. Replace amplifier.>		<log,myhost,svr>
2225745	Analogic RF Amplifier 1 High Voltage Low Fault.\n\nAnalogic Amplifier 1 power supply voltage dropped below 120V DC.(150V nominal).>		<log,myhost,svr>
2225746	Analogic RF Amplifier 1 High Voltage High Fault.\n\nAnalogic Amplifier 1 power supply voltage went above 170V DC.>		<log,myhost,svr>
2225747	Analogic RF Amplifier 1 Overheat Fault.\n\nAnalogic Amplifier 1 reports the thermal switch has exceeded 80 degrees C.\n\nPossible causes: restricted air flow, blown fan fuse, defective fan,\n\nroom environment out of specification or defective RF Amplifier 1.>		<log,myhost,svr>
2225748	Analogic RF Amplifier 1 Peak Power Fault.\n\nPeak power from Analogic RF Amplifier 1 exceeds specification(69.5-69.8dbm).\n\nPossible causes: RF Interface (RFI) calibration, defective RFI\n\noutput stage, defective Exciter or defective RF Amplifier 1.>		<log,myhost,svr>
2225749	Analogic RF Amplifier 1 Average Power Fault.\n\nAnalogic RF Amplifier 1 reports its average power has exceeded 1000W.\n\nPossible causes: the PSD is exceeding the limits of the system,\n\ndefective RF Interface (RFI) output stage, or defective RF Amplifier 1.>		<log,myhost,svr>
2225750	Analogic RF Amplifier 1 Voltage Standing Wave Ratio (VSWR) Fault.\n\nAnalogic RF Amplifier 1 reflected power exceeds 2250W.\n\nPossible causes: disconnected or defective output cable from RF\n\nAmplifier 1 to RF Interface (RFI), defective RFI or RF Amp 1.>		<log,myhost,svr>
2225751	Analogic RF Amplifier 1 Gate Fault.\n\nAnalogic RF Amplifier 1 reports an unblank pulse width exceeding\n\nspecification(62-68msec).\n\nPossible causes: the PSD is exceeding the limits of the system,\n\ndefective RF Interface (RFI) or defective RF Amplifier 1.>		<log,myhost,svr>
2225752	Analogic RF Amplifier 1 Junction Temp Fault.\n\nAnalogic RF Amplifier 1 device junction temperature > 130deg C.>		<log,myhost,svr>
2225753	Analogic RF Amplifier 2 Power Loss Fault.\n\nRF Interface (RFI) detects no power to Analogic RF Amplifier 2.\n\nPossible cause: the breaker on the front of the RFI is turned off.>		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225754	Analogic RF Amplifier 2 Power Supply Fault.\n\nAnalogic Amplifier 2 indicates the main power supply is out of specification.\n\nPossible causes: Supply feedback loop exceeds 2.5v, PS heat sink is overheated,\n\nPower supply FETS are shorted.>		<log,myhost,svr>
2225755	Analogic RF Amplifier 2 Duty Cycle Fault.\n\nUnblank duty cycle exceeds 63%%.>		<log,myhost,svr>
2225756	Analogic RF Amplifier 2 I Peak Overloaded Fault.\n\nInstantaneous peak drain current of RF devices exceeds 120 amps.>		<log,myhost,svr>
2225757	Analogic RF Amplifier 2 Device Fault 64.\n\nRF FET device is shorted. Replace amplifier.>		<log,myhost,svr>
2225758	Analogic RF Amplifier 2 High Voltage Low Fault.\n\nAnalogic Amplifier 2 power supply voltage dropped below 120V DC.(150V nominal).>		<log,myhost,svr>
2225759	Analogic RF Amplifier 2 High Voltage High Fault.\n\nAnalogic Amplifier 2 power supply voltage went above 170V DC.>		<log,myhost,svr>
2225760	Analogic RF Amplifier 2 Overheat Fault.\n\nAnalogic Amplifier 2 reports the thermal switch has exceeded 80 degrees C.\n\nPossible causes: restricted air flow, blown fan fuse, defective fan,\n\nroom environment out of specification or defective RF Amplifier 2.>		<log,myhost,svr>
2225761	Analogic RF Amplifier 2 Peak Power Fault.\n\nPeak power from Analogic RF Amplifier 2 exceeds specification(69.5-69.8dbm).\n\nPossible causes: RF Interface (RFI) calibration, defective RFI\n\noutput stage, defective Exciter or defective RF Amplifier 2.>		<log,myhost,svr>
2225762	Analogic RF Amplifier 2 Average Power Fault.\n\nAnalogic RF Amplifier 2 reports its average power has exceeded 1000W.\n\nPossible causes: the PSD is exceeding the limits of the system,\n\ndefective RF Interface (RFI) output stage, or defective RF Amplifier 2.>		<log,myhost,svr>
2225763	Analogic RF Amplifier 2 Voltage Standing Wave Ratio (VSWR) Fault.\n\nAnalogic RF Amplifier 2 reflected power exceeds 2250W.\n\nPossible causes: disconnected or defective output cable from RF\n\nAmplifier 2 to RF Interface (RFI), defective RFI or RF Amp 2.>		<log,myhost,svr>
2225764	Analogic RF Amplifier 2 Gate Fault.\n\nAnalogic RF Amplifier 2 reports an unblank pulse width exceeding\n\nspecification(62-68msec).\n\nPossible causes: the PSD is exceeding the limits of the system,\n\ndefective RF Interface (RFI) or defective RF Amplifier 2.>		<log,myhost,svr>
2225765	Analogic RF Amplifier 2 Junction Temp Fault.\n\nAnalogic RF Amplifier 2 device junction temperature > 130deg C.>		<log,myhost,svr>
2225766	Possible power monitor hardware failure: power sensed with monitor\n\nblanked, DC rail to power monitor, or +15V sense failed.		<log,myhost,svr>
2225767	Power Monitor Tripped with undermined cause.		<log,myhost,svr>
2225768			<log,myhost,svr>
2225778	Internal Software Error. A reset of TPS may be necessary.\n\nDMA controller did not operate correctly or timer did not fire.		<log,myhost,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225779	IPG Communication Error.\n\nSPI is not responding to SPU display requests.\n\nThis could be caused by a faulty SPU / SPI interface or by an\n\ninternal software error. Number of failures recorded = %d		<log,myhost,prg>
2225780	Internal Software Error. A reset of TPS may be necessary.\n\nInvalid display opcode value. Value = %d.		<log,myhost,prg>
2225781	Internal Software Error. A reset of TPS may be necessary.\n\nInvalid lead number to display was read from the cardiac process.\n\nLead number = %d.		<log,myhost,prg>
2225782	Internal Software Error. A reset of TPS may be necessary.\n\nReception of an invalid cardiac assignment from HPC. Value = %d.		<log,myhost,prg>
2225783	Internal Software Error. A reset of TPS may be necessary.\n\nInvalid respiratory display assignment received from HPC. Value = %d.		<log,myhost,prg>
2225784	Internal Software Error. A reset of TPS may be necessary.\n\nInvalid auxiliary display assignment received from HPC. Value = %d.		<log,myhost,prg>
2225785	Internal Software Error. A reset of TPS may be necessary.\n\nInvalid cardiac sweep rate received from HPC. Value = %d.		<log,myhost,prg>
2225786	Internal Software Error. A reset of TPS may be necessary.\n\nInvalid respiratory sweep rate received from HPC. Value = %d.		<log,myhost,prg>
2225787	Internal Software Error. A reset of TPS may be necessary.\n\nInvalid ECG histogram sweep rate received from HPC. Value = %d.		<log,myhost,prg>
2225788	Internal Software Error. A reset of TPS may be necessary.\n\nInvalid sweep rate received from HPC for aux. general purpose or resp phase.\n\nValue = %d.		<log,myhost,prg>
2225789	Internal Software Error. A reset of TPS may be necessary.\n\nAn error occurred in the building of the respiratory data packet.		<log,myhost,prg>
2225790	Internal Software Error. A reset of TPS may be necessary.\n\nAn error occurred in the building of the respiratory phase \n\nor general purpose data packet.		<log,myhost,prg>
2225791	Internal Software Error. A reset of TPS may be necessary.\n\nInvalid percentage of windowed triggers reported. Value = %d.		<log,myhost,prg>
2225792	Internal Software Error. A reset of TPS may be necessary.\n\nInvalid heart rate reported. Value = %d.		<log,myhost,prg>
2225793	Internal Software Error. A reset of TPS may be necessary.\n\nTimer0 not running correctly.		<log,myhost,prg>
2225794	SPU-SPI initialization failed - SPI did not synchronize with the SPU.\n\nPossible hardware problem with SPU-SPI DPR, or download failure,\n\nor SPI or SPU software failure.		<log,myhost,prg>
2225795	Internal software Error. A reset of TPS may be necessary.\n\nInvalid trigger level reported. Value = %d.		<log,myhost,prg>
2225796	Internal software error. A reset of TPS may be necessary.\n\nUnrecognized Scan Time state encountered by the SPU.\n\nValue = %d.		<log,myhost,prg>
2225820	Internal Software Error. A reset of TPS may be necessary.\n\nInvalid respiratory mode read out of Dual ported RAM from the PSD. Value = %d.		<log,myhost,prg>



## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2225970	No gating triggers were found.		<pri4,myhost,opr>
	Internal software error - Cardiac overrun on the SPU.\n		
2225990	Gating performance may be degraded.		<log,myhost,opr>
2226120	RESP OK		<pri7,opr,myhost>
2226121	RESP FLUCTUATING		<pri7,opr,myhost>
2226122	RESP MISSING		<pri4,opr,myhost>
2226123	ECG CONNECTED		<pri7,opr,myhost>
2226124	ECG MISSING		<pri4,opr,myhost>
2226125	ECG1 CONNECTED		<pri7,opr,myhost>
2226126	ECG1 MISSING		<pri4,opr,myhost>
2226127	ECG2 CONNECTED		<pri7,opr,myhost>
2226128	ECG2 MISSING		<pri4,opr,myhost>
2226129	ECG3 CONNECTED		<pri7,opr,myhost>
2226130	ECG3 MISSING		<pri4,opr,myhost>
2226131	PERIPHERAL PULSE OK		<pri7,opr,myhost>
2226132	PERIPHERAL PULSE MISSING		<pri4,opr,myhost>
2226133	CARDIAC INITIALIZING		<pri2,opr,myhost>
2226134	ATTENTION: SIMULTANEOUS PERIPHERAL AND ECG GATING NOT ALLOWED!		<pri4,opr,myhost>
2226135	PAC NOT RESPONDING		<pri4,opr,myhost>
2226136	NO CARDIAC INPUT		<pri4,opr,myhost>
2226137	ECG1 UNAVAILABLE, UTILIZING PERIPHERAL PULSE		<pri4,opr,myhost>
2226138	ECG2 UNAVAILABLE, UTILIZING PERIPHERAL PULSE		<pri4,opr,myhost>
2226139	ECG3 UNAVAILABLE, UTILIZING PERIPHERAL PULSE		<pri4,opr,myhost>
2226140	PERIPHERAL PULSE UNAVAILABLE, UTILIZING ECG1		<pri4,opr,myhost>
2226141	ECG2 UNAVAILABLE, UTILIZING ECG1		<pri4,opr,myhost>
2226142	ECG3 UNAVAILABLE, UTILIZING ECG1		<pri4,opr,myhost>
2226143	PERIPHERAL PULSE UNAVAILABLE, UTILIZING ECG2		<pri4,opr,myhost>
2226144	ECG1 UNAVAILABLE, UTILIZING ECG2		<pri4,opr,myhost>
2226145	ECG3 UNAVAILABLE, UTILIZING ECG2		<pri4,opr,myhost>
2226146	PERIPHERAL PULSE UNAVAILABLE, UTILIZING ECG3		<pri4,opr,myhost>
2226147	ECG1 UNAVAILABLE, UTILIZING ECG3		<pri4,opr,myhost>
2226148	ECG2 UNAVAILABLE, UTILIZING ECG3		<pri4,opr,myhost>
	The bellows may be too tight around the patient. \		
2226149	Please adjust for better IQ.		<pri4,opr,myhost,formatted>
2226150	BEGIN CONTRAST INJECTION		<pri2,opr,myhost,formatted>
2226151	BOLUS DETECTED		<pri2,opr,myhost,formatted>
2226152	NO BOLUS DETECTED		<pri2,opr,myhost,formatted>
2226153	ACQUIRING BASELINE DATA		<pri2,opr,myhost,formatted>
	PSD Programming Error: Attempt to read an external waveform file failed.\n		
	Filename: %s%s%s%s\n		
2226378	PSD Parameters: %s, %08IX, %08IX, %08IX, %08IX		<log,myhost,prg>
	PSD Programming Error: Resolution requested exceeds the length of the\n		
	specified external waveform file.\n		
	Filename: %s%s%s%s\n		
2226379	PSD Parameters: %s, %08IX, %08IX, %08IX, %08IX		<log,myhost,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2226380	PSD Programming Error: Insufficient waveform memory available.\n\nRequested size = %d\n\nPSD Parameters: %s, %08IX, %08IX, %08IX, %08IX		<log,myhost,prg>
2226381	PSD Programming Error: Waveform resolution out of range.		<log,myhost,prg>
2226382	PSD Programming Error: Waveform amplitude out of range.		<log,myhost,prg>
2226383	PSD Programming Error: Sine waveform start phase out of range.		<log,myhost,prg>
2226384	PSD Programming Error: Sine waveform phase out of range.		<log,myhost,prg>
2226385	PSD Programming Error: Sine waveform offset out of range.		<log,myhost,prg>
2226386	PSD Programming Error: Number of sinc waveform cycles out of range.		<log,myhost,prg>
2226387	PSD Programming Error: Sinc or Hadamard waveform windowing coefficient\n\n(alpha) is out of range.		<log,myhost,prg>
2226388	PSD Programming Error: Hadamard waveform slice separation out of range.		<log,myhost,prg>
2226428	PSD Programming Error: Fast-update waveform memory queue %d overflowed.\n\nPSD Parameters: %s, %08IX, %08IX, %08IX, %08IX		<log,myhost,prg>
2226429	PSD Programming Error: Fast-update instruction memory queue %d\n\noverflowed.\n\nPSD Parameters: %s, %08IX, %08IX, %08IX, %08IX		<log,myhost,prg>
2226430	PSD Programming Error: Insufficient instruction memory available within\n\n%d block.\n\nPSD Parameters: %s, %08IX, %08IX, %08IX, %08IX		<log,myhost,prg>
2226431	PSD Programming Error: Parameter %s is out of range.\n\nValue = %08IX, Lower Bound = %08IX, Upper Bound = %08IX\n\nPSD Parameters: %s, %08IX, %08IX, %08IX, %08IX		<log,myhost,prg>
2226432	PSD Programming Error: Parameter %s is out of range.\n\nValue = %f, Lower Bound = %f, Upper Bound = %f\n\nPSD Parameters: %s, %08IX, %08IX, %08IX, %08IX		<log,myhost,prg>
2226433	PSD error text associated with the above PSD Programming Error:\n\n%s		<log,myhost,prg>
2226434	PSD Programming Error: Insufficient time between rsphw* requests.\n\nThis rsphw* request was ignored. Parameters: %08IX, %08IX, %08IX\n\nPSD Parameters: %s, %08IX, %08IX, %08IX, %08IX		<log,myhost,prg>
2226578	PSD Programming Error: The PSD was still preparing a sequence when an\n\nEOS interrupt occurred. Lengthen TR or reduce the number of slices.		<log,myhost,opr>
2226579	PSD Programming Error: An ISI task was still active when an EOS\n\ninterrupt occurred.		<log,myhost,prg>
2226580	PSD Programming Error: The EOS to SSI time was insufficient.\n\nImages for this pass will not be reconstructed.		<log,myhost,prg>
2226581	PSD Programming Error: The PSD has not prepared a new sequence\n\nsince the last sequence played.		<log,myhost,prg>
2226582	A vxWorks error occurred when making a msgpend call.\n\nvxWorks error code = %08IX		<log,myhost,prg>
2226583	A vxWorks error occurred when making a msgpost call.\n\nvxWorks error code = %08IX		<log,myhost,prg>
2226584	A vxWorks error occurred when making a spawn call.\n\nvxWorks error code = %08IX		<log,myhost,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2226585	A vxWorks error occurred when making a intconnect call.\n		
	vxWorks error code = %08IX		<log,myhost,prg>
2226586	Internal Software Error: Unknown ISI vector detected.		<log,myhost,prg>
2226587	PSD Programming Error: The Cine subroutine was called\n		
	without first calling Cineinit.		<log,myhost,prg>
2226588	PSD Programming Error: The PSD tried to play more passes\n		
	than Cine was told to play.		<log,myhost,prg>
2226589	Have not detected any new Cardiac Triggers for quite a while.\n		
	Check the Cardiac waveform display to see if the Cardiac waveform\n		
	is present.		<log,myhost,prg>
2226590	Internal Software Error: Respiratory phase could not be located.\n		
	Value %08IX exceeded limit %08IX.		<log,myhost,prg>
2226591	PSD Programming Error: Cine was not initialized.\n		
	Scan mode = %08IX Cine mode = %08IX.		<log,myhost,prg>
2226592	PSD Programming Error: Number of frames was exceeded.\n		
	Frames = %08IX Limit = %08IX.		<log,myhost,prg>
2226593	Internal Software Error: Respiratory phase from SPU out of range.\n		
	SPU phase value = %08IX Limit = %08IX.		<log,myhost,prg>
2226594	Internal Programming Error: HPC did not finish initialization in the\n		
	allotted time frame. HPC initial message = %d.		<log,myhost,prg>
2226595	IPG INIT: Unable to measure a valid line frequency; thus, cannot\n		
	verify 'lineFreq' value in /w/config/MRconfig.cfg. Make sure this\n		
	value is set correctly. Run LCA-related IPG diags.		<log,myhost,opr>
2226596	IPG INIT: Incorrect 'lineFreq' value in /w/config/MRconfig.cfg file.\b		
	The file says %d Hz but the IPG measured a line frequency of %d Hz.\n		
	This may cause degraded image quality and incorrect Pulse Sequence times\n		
	if the MRconfig.cfg file is not fixed.		<pri3,log,myhost,opr>
2226597	Hardware error: IPG board in chassis not matching known configurations.\n		
	Please replace IPG board.		<log,myhost,svr>
2226628	Gradient Configuration Conflict.\b		
	The MRconfig.cfg file value for `gradientAmp' is %d but IPG initialization\n		
	detected %d gradient amps.\n		
	Please update the MRconfig.cfg file and reset TPS.		<pri7,log,myhost,opr>
2226678	Internal software error:\n\n		
	Unrecognized opcode processed by the PAC. The PAC may have lost \		
	synchronization with the SPU. TPS may need to be reset		<log,myhost,prg>
2226679	Internal software error:\n\n		
	The SPU interface queue on the PAC has overflowed. Communication packets \		
	have been lost. The TPS may need to be reset.		<log,myhost,prg>
2226680	Internal software error:\n\n		
	The SPU output queue on the PAC has overflowed. Communication packets \		
	routed to the SPU have been lost. The TPS may need to be reset.		<log,myhost,prg>
2226681	Internal software error:\n\n		
	The PAC received a request for a diagnostic echo while data acquisition \		
	was enabled. The TPS may need to be reset.		<log,myhost,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2226682	Internal software error:\n\n\ The PAC ECG automatic gain control function did not complete within the \ established time limit.		<log,myhost,prg>
2226683	Internal software error:\n\n\ The PAC Respiratory automatic gain and offset control function did not \ complete within the established time limit.		<log,myhost,prg>
2226684	Internal software error:\n\n\ The checksum computed by the PAC does not agree with the checksum supplied \ with its EPROM. The PAC memory may be corrupted.		<log,myhost,prg>
2226685	Internal software error:\n\n\ Overflow error has occurred in the Terminal Input Queue. Please exercise \ the keyboard less industriously.		<log,myhost,prg>
2227000	The phase encoding steps must be decreased to %d for the current prescription.		<log,oc,opr>
2227001	The Slice thickness must be increased to %.2f mm for the current prescription.		<log,oc,opr>
2227002	The number of scan locations selected must be reduced to %d for the current prescription.		<oc,opr,log>
2227003	The number of scan locations selected must be increased to %d for the current prescription.		<log,oc,opr>
2227004	The FOV needs to be increased to %3f cm for the current prescription, or receive bandwidth can be decreased.		<log,oc,opr>
2227005	The FOV needs to be decreased to %3f cm for the current prescription.		<log,oc,opr>
2227006	The TR needs to be increased to %d ms for the current prescription.		<log,oc,opr>
2227007	The TR needs to be decreased to %d for the current prescription.		<log,oc,opr>
2227008	The available imaging time is insufficient. Decrease the trigger window or the trigger delay.		<log,oc,opr>
2227009	The RR interval must be one for multi phase imaging.		<log,oc,opr>
2227010	The trigger delay must be between %d ms and 1600 ms for the current prescription.		<log,oc,opr>
2227011	The trigger delay must be increased to %d ms for the current prescription.		<log,oc,opr>
2227012	The selected TE must be increased to %d ms for .5 nex or 1 nex/NPW.		<log,oc,opr>
2227013	The selected TE must be increased to %d ms for .75 nex or 1.5 nex/NPW.		<log,oc,opr>
2227014	The selected TE must be increased to %d ms for the current prescription.		<log,oc,opr>
2227015	The maximum TE for the current prescription is %d ms.		<log,oc,opr>
2227016	The selected TI must be increased to %d ms for the current prescription.		<log,oc,opr>
2227017	The selected TI must be decreased to %d ms for the current prescription.		<log,oc,opr>
2227018	The selected TE2 must be increased to %d ms for the current prescription.		<log,oc,opr>
2227019	The selected TE2 must be decreased to %d ms for the current prescription.		<log,oc,opr>
2227020	The selected number of echoes must be decreased to %d for the current prescription.		<log,oc,opr>
2227021	The selected number of excitations is not valid for the current prescription.		<log,oc,opr>
2227022	An odd number of excitations other than one is not valid for the current prescription.		<log,oc,opr>
2227023	A fractional nex other than .5, .75, or 1.5 with No Phase Wrap is not allowed.		<log,oc,opr>
2227024	Fat and Water suppression may not be selected at the same time.		<log,oc,opr>
2227025	Fat or Water suppression may not be selected with inversion recovery.		<log,oc,opr>
2227026	Spin Echo is the only pulse sequence supported by this psd.		<log,oc,opr>
2227027	Fast Scan is the only pulse sequence supported by this psd.		<log,oc,opr>
2227028	2D is the only image mode supported by this psd.		<log,oc,opr>
2227029	Insufficient RC Groups, the number of locations, the phase encode or the nex must be decreased.		<log,oc,opr>
2227030	Too many locations per RC group, the number of locations must be decreased or the TR must be increased.		<log,oc,opr>
2227031	Too many locations per RC group, the number of locations or the intersequence time must be decreased.		<log,oc,opr>
2227032	Too many RC groups per pass, the number of locations, nex or phase encode must be decreased.		<log,oc,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2227033	Rectangular FOV can only be performed with a 256x256 or 512x512 matrix.		<log,oc,opr>
2227034	No Phase Wrap cannot be performed in conjunction with Rectangular FOV.		<log,oc,opr>
2227035	Resp. Comp. when used with rectangular FOV will not allow nex greater than 1.		<log,oc,opr>
2227036	Cardiac Gating is not supported by this pulse sequence.		<log,oc,opr>
2227037	1.5 NEX is only valid when No Phase Wrap is selected.		<log,oc,opr>
2227038	This nex is not valid for No Phase Wrap.		<log,oc,opr>
2227039	The filter specified has a zero time of acquisition or decimation.		<log,oc,opr>
2227040	Fast Scan does not support multi-nex fractional nex scans.		<log,oc,opr>
2227041	The number of locations * phases has exceeded %d.		<log,oc,opr>
2227042	The number of phase encoding steps must be decreased to %d.		<log,oc,opr>
2227043	The inter-sequence delay must be increased to %d ms due to the FOV/ slice thickness selected.		<log,oc,opr>
2227044	The inter-sequence delay must be increased to %d ms.		<log,oc,opr>
2227045	The number of phases divided by locations must equal 1, 2, or 3.		<log,oc,opr>
2227046	The Water peak must be chosen with Fat suppression.		<log,oc,opr>
2227047	The Fat peak must be chosen with Water suppression.		<log,oc,opr>
2227048	The phase encoding update failed at view %d.		<log,oc,opr>
2227049	The RF phase update failed at view %d.		<log,oc,opr>
2227050	The RF frequency update failed at view %d.		<log,oc,opr>
2227051	The DAB packet update failed at view %d.		<log,oc,opr>
2227052	The DACQ packet update failed at view %d.		<log,oc,opr>
2227053	Failed to allocate memory.		<log,oc,opr>
2227054	Failure bridging trapezoids because a pulse is missing in one of the bridged trapezoids.\n Clue to first missing pulse: pulsename-> %s in pos-> %d		<log,oc,prg>
2227055	Failure bridging trapezoids because the duration of the decay ramp is not equivalent to the duration of the attack ramp.\n clues: pulse-> %s:%d width-> %d		<log,oc,prg>
2227056	Failure bridging trapezoids because the two ramps that are bridged do not have the same start and end time.\n pulse-> %s:%d\n pulse-> %s:%d		<log,oc,prg>
2227057	Failure updating the instruction in hardware memory.\n pulse-> %s start-> %d end-> %d		<log,oc,prg>
2227058	Pulses do not form a valid bridge.\n pulse-> %s start-> %d end-> %d\n pulse-> %s start-> %d end-> %d		<log,oc,prg>
2227059	The start and end times of the two pulses do not form a valid bridge: (ord pos:%d).\n pulse-> %s start-> %d end-> %d		<log,oc,prg>
2227060	Execution time for the following pulse instructions overlap on the same board:\n pulse-> %s start-> %d end-> %d\n pulse-> %s start-> %d end-> %d		<log,oc,prg>
2227061	The ramp that bridges two trapezoids has a bad start time: Start Time-> %d.		<log,oc,prg>
2227062	Failure when releasing{free()} allocated memory.		<log,oc,prg>
2227063	An instruction on waveform generator %s executes beyond the act_tr.		<log,oc,prg>
2227064	Invalid value %d.\n pulse-> %s.		<log,oc,prg>
2227065	Board must be SSP for pulse-> %s		<log,oc,prg>
2227066	Wrong pulse for command.\n pulse-> %s		<log,oc,prg>
2227067	Two few pulses linked with pulse %s, only %d pulses counted		<log,oc,prg>
2227068	Invid SSP attributes (s_attr:%d) (direction:%d).\n pulse-> %s		<log,oc,prg>
2227069	Variable %s not found in pulse list linked with pulse %s		<log,oc,prg>
2227070	Invalid value %f.\n pulse-> %s.		<log,oc,prg>
2227071	%s must be divisible by the hardware's cycle rate times the pulse's resolution.\n pulse-> %s value->%d cycle rate-> %d resolution-> %d		<log,oc,prg>
2227072	Simulation Mode		<log,oc,prg>
2227073	Support routine %s failed.		<log,oc,opr>
2227074	Only 1 echo is allowed in phase contrast vascular imaging.		<log,oc,opr>
2227075	Vascular PC is the only option supported in this scan.		<log,oc,opr>
2227076	Vascular scan does not support multi-nex fractional nex scans.		<log,oc,opr>
2227077	Vascular scan does not support 0.5 nex or 1 nex/NPW imaging.		<log,oc,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2227078	Vascular scan does not support 0.75 nex or 1.5 nex/NPW imaging.		<log,oc,opr>
2227079	This database does not support CINE imaging.		<log,oc,opr>
2227080	This database does not support Inversion Recovery imaging.		<log,oc,opr>
2227081	This database does not support Respiratory Compensation.		<log,oc,opr>
2227082	Oblique imaging is not allowed in Volume scans.		<log,oc,opr>
2227083	The selected duration of the Unblank erbttec prior to rf pulse must be increased by %d.		<log,oc,prg>
2227084	pw_settle time is out of range, increase settle time by %d		<log,oc,prg>
2227085	Pulse width for %s not aligned to %s.		<log,oc,prg>
2227086	Selected PCal test {calmode:%d} is not supported in 5.x		<log,oc,opr>
2227087	RFCAL sample b delay, decrement dleadcal by %d.		<log,oc,opr>
2227088	RFCAL 2nd half of Pn pulse, pn is invalid.		<log,oc,opr>
2227089	Remaining sample time for %s test: Out of range.		<log,oc,opr>
2227090	A pulse width for Variable Wave Test is out of limits: valid ranges 10us-1.6S.		<log,oc,opr>
2227091	Sum of the Var Waves' pulse widths are too short for sample b.w.		<log,oc,opr>
2227092	Added delay for VW sample:Out of range.		<log,oc,opr>
2227093	A/D lead lag for Log Amp test exceeds erbttec, decrement dleadlog by %d.		<log,oc,opr>
2227094	Remaining time after a/d window:TDAD too long for given TR.		<log,oc,opr>
2227095	delp (%d) is out of range.		<log,oc,opr>
2227096	dela (%d) is out of range.		<log,oc,opr>
2227097	Invalid resolution (%d) for acquisition mode.		<log,oc,opr>
2227098	X-Res or Y-Res is not divisible by 16.		<log,oc,opr>
2227099	Inversion Recovery not supported in %s psd.		<log,oc,opr>
2227100	%s is not a gradient recalled database.		<log,oc,opr>
2227101	Cardiac is not supported in the %s psd.		<log,oc,opr>
2227102	Exorcist is not supported in the %s psd.		<log,oc,opr>
2227103	Flow Comp is not supported in the %s psd.		<log,oc,opr>
2227104	The %s database does not support Volume or CINE imaging.		<log,oc,opr>
2227105	Only non_interleaved is allowed for this PSD.		<log,oc,opr>
2227106	POMP does not support inversion pulses.		<log,oc,opr>
2227107	The POMP option is not supported in this scan.		<log,oc,opr>
2227108	POMP does not support CINE or Volume Imaging.		<log,oc,opr>
2227109	POMP does not support No Phase Wrap.		<log,oc,opr>
2227110	POMP does not support Rectangular FOV.		<log,oc,opr>
2227111	An even number of slices must be prescribed for POMP scans.		<log,oc,opr>
2227112	POMP does not support Flow Compensation.		<log,oc,opr>
2227113	POMP does not support Respiratory Compensation.		<log,oc,opr>
2227114	With the current Scan Timing prescription, the minimum bandwidth is %4.2f KHz.		<log,oc,opr>
2227115	With the current Scan Timing prescription, the maximum bandwidth is %4.2f KHz.		<log,oc,opr>
2227116	Vascular TOF is the only option supported in this scan.		<log,oc,opr>
2227117	The POMP option is not supported in this scan.		<log,oc,opr>
2227118	The Classic option is not supported in this scan.		<log,oc,opr>
2227119	The VBW option is not supported in this scan.		<log,oc,opr>
2227120	The oblique option is not supported in this scan.		<log,oc,opr>
2227121	Image intensity corr is not supported in this scan.		<log,oc,opr>
2227122	2D is the only imaging mode supported in this scan.		<log,oc,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2227123	Sequentl is not supported for this combination of Image Mode and Pulse Sequence.		<log,oc,opr>
2227124	Exorcist updates failed. Could not be made in time.		<log,oc,opr>
2227125	Scan aborted. Cardiac triggering failed due to no ECG signal present at Systems Cabinet.		<log,oc,opr>
2227126	Scan aborted. Respiratory Compensation failed due to no respiratory signal present at Systems Cabinet.		<log,oc,opr>
2227127	Graphic Rx is not supported with the POMP imaging option.		<log,oc,opr>
2227128	With the current Scan Timing prescription, the minimum first echo bandwidth is %4.2f KHz.		<log,oc,opr>
2227129	With the current Scan Timing prescription, the maximum first echo bandwidth is %4.2f KHz.		<log,oc,opr>
2227130	With the current Scan Timing prescription, the minimum bandwidth for echoes 2-4 is %4.2f KHz.		<log,oc,opr>
2227131	With the current Scan Timing prescription, the maximum bandwidth for echoes 2-4 is %4.2f KHz.		<log,oc,opr>
2227132	Gradient recalled scans do not support .5 nex or 1 nex scans with No Phase Wrap.		<log,oc,opr>
2227133	For single flow dir, 1 or 2 Locs/Acq are allowed, otherwise, 1 Loc/Acq.		<log,oc,opr>
2227134	Cine and Cardiac Gating are incompatible options.		<log,oc,opr>
2227135	The allowed csi resolutions are 1,4,8,16,32, and 64.		<log,oc,opr>
2227136	The allowed spectral widths are %s		<log,oc,opr>
2227137	The allowed number of complex points are %s		<log,oc,opr>
2227138	Spectro is the only mode allowed with this type-in database.		<log,oc,opr>
2227139	Cannot exceed 64 images/pass, reduce locations/pass or phases to recon.		<log,oc,opr>
2227140	Only 1 echo is allowed in cine imaging.		<log,oc,opr>
2227141	Maximum of %d acqs exceeded. Increase locations/acq or decrease number of slices.		<log,oc,opr>
2227142	The number of locations/acquisition cannot exceed the number of scan locations.		<log,oc,opr>
2227143	Sequential must be chosen with SPGR.		<log,oc,opr>
2227144	The psd does not support fat suppression.		<log,oc,opr>
2227145	The psd does not support water suppression.		<log,oc,opr>
2227146	The No Phase Wrap option is invalid in this psd.		<log,oc,opr>
2227147	SAT locations must be default for oblique scans.		<log,oc,opr>
2227148	Not enough memory for a scan this size. Reduce the scan size.		<log,oc,opr>
2227149	Cannot perform Concat Sat with interleaving.		<log,oc,opr>
2227150	Rectangular FOV is not allowed with this scan.		<log,oc,opr>
2227151	Fractional NEX is not allowed with Cine.		<log,oc,opr>
2227152	You must select an even number of slices if 2 loc/acq is selected.		<log,oc,opr>
2227153	Max. of 512 images/scan. Reduce number of slices or number of cardiac phases.		<log,oc,opr>
2227154	slquant per trigger can not equal zero(0).		<log,oc,prg>
2227155	%s does not support 512 scans.		<log,oc,opr>
2227156	CINE is not compatible with interleave.		<log,oc,opr>
2227157	This PSD does not support SAT.		<log,oc,opr>
2227158	This PSD only supports VBW in sequential mode.		<log,oc,opr>
2227159	Sequential mode must be chosen with 2D vascular scan.		<log,oc,opr>
2227160	Multi-phase cardiac is not supported with the POMP option.		<log,oc,opr>
2227161	The allowed atomic weight of nucleus are 1, 2, 3, 7, 13, 19, 23, and 31.		<log,oc,opr>
2227162	The number of locations Before Pause cannot exceed %d for the current prescription.		<log,oc,opr>
2227163	The flip angle is out of range.		<log,oc,opr>
2227164	cinpec does not support one sided flow direction.		<log,oc,opr>
2227165	Sequential must be chosen with Cine.		<log,oc,opr>
2227166	Reduce slice spacing or increase slice thickness.		<log,oc,opr>
2227167	Sequential not valid with POMP.		<log,oc,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2227168	The frequency encodings must be decreased to %d for the current prescription.		<log,oc,opr>
2227169	The flow velocity must be between 5 and 550 cm/sec.		<log,oc,opr>
2227170	The prescan plane no. must be below or equal to %d for the current prescription.		<log,oc,opr>
2227171	POMP and respiratory compensation can not be done for nex greater than 2.		<log,oc,opr>
2227172	Inversion Recovery is the only pulse sequence supported by this psd.		<log,oc,opr>
2227173	Choose 1, 2 or 4 receivers.		<log,oc,opr>
2227174	The CS imaging option is only available with 2D Spin Echo.		<log,oc,opr>
2227175	The CS imaging option is not available with CSMEMP.		<log,oc,opr>
2227176	The CS imaging option is not available with POMP.		<log,oc,opr>
2227177	Fast Spin Echo always uses the CS imaging option, please deselect CS.		<log,oc,opr>
2227178	2D imaging mode is not supported in this scan.		<log,oc,opr>
2227179	The scan mode is out of the specified range, please enter the scan mode again.		<log,oc,opr>
2227180	The maximum voxel dimension is %fmm.		<log,oc,opr>
2227181	This voxel dimension must be increased to %fmm .		<log,oc,opr>
2227182	The voxel location must be between %dmm and %dmm.		<log,oc,opr>
2227183	2D CSI must be in the scan plane. Please modify ap, rl, or si csi resolutions.		<log,oc,opr>
2227184	The total number of scans, %d, must be a multiple of NEX.		<log,oc,opr>
2227185	The phase encoding steps must be increased to %d for the current prescription.		<log,oc,opr>
2227186	The sequential option is not available with CINE.		<log,oc,opr>
2227187	The fast option must be selected for this sequence		<log,oc,opr>
2227188	The sequential option is not supported with Multi-planar Fast Gradient Echo scans		<log,oc,opr>
2227189	fcomp is not supported with Fat/Water in/out-of phase option.		<log,oc,opr>
2227190	Maximum number of phases exceeded, reduce # of slices or phases		<log,oc,opr>
2227191	Pause is not available with non-minimum delay between acqs.		<log,oc,opr>
2227192	Number of acquisitions before pause cannot exceed %d for the current prescription.		<log,oc,opr>
2227193	The Fast Option is not available with this pulse sequence.		<log,oc,opr>
2227194	The DE Prep Option is not available with this pulse sequence.		<log,oc,opr>
2227195	The IR Prep Option is not available with this pulse sequence.		<log,oc,opr>
2227196	The Multi-Phase Option is not available with this pulse sequence.		<log,oc,opr>
2227197	The Graphic ROI Option is not available with this pulse sequence.		<log,oc,opr>
2227198	Please increase the FOV to %3f cm or choose Minimum TE for this prescription.		<log,oc,opr>
2227199	Please choose Minimum TE for this prescription.		<log,oc,opr>
2227200	Flow Comp is not supported with Fast Multi-Phase option		<log,oc,opr>
2227201	Flow Comp is not supported with Fast IR-Prep option		<log,oc,opr>
2227202	Flow Comp is not supported with Fast DE-Prep option		<log,oc,opr>
2227203	512 acq. is only supported with 32Khz bandwidth		<log,oc,opr>
2227204	Only 16 and 32Khz bandwidth are supported with Fast Gradient Echo scans		<log,oc,opr>
2227205	Grad Recall or SPGR must be selected for Fast Gradient Echo scans.		<log,oc,opr>
2227206	Waveform type %d for pulse %s is invalid; can not bridge with waveform.		<log,oc,prg>
2227207	Resolution of %d is out of range for pulse %s.		<log,oc,prg>
2227208	Slot number %d for dab packet %s is out of range.		<log,oc,prg>
2227209	Receiver value %d for dab packet %s is out of range.		<log,oc,prg>
2227210	Unknown CINE flag of %d for %s.		<log,oc,prg>
2227211	rfupa offset is set to %d for %s. RFUPA must be a negative number.		<log,oc,prg>
2227212	rfupd offset is set to %d for %s. RFUPD must be a positive number.		<log,oc,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2227213	Start of rf %s is invalid, rfstartmod_off currently set to %d.		<log,oc,prg>
2227214	Invalid period %d for wait instruction on processor %s.		<log,oc,prg>
2227215	Index %d for instruction %s is out of range.		<log,oc,prg>
2227216	Cannot start waveform %s at %d.		<log,oc,prg>
2227217	Invalid period of %d for instruction %s.		<log,oc,prg>
2227218	Amplitude of %d is out of range for instruction %s.		<log,oc,prg>
2227219	Shutdown delay of %d for SSP pulse %s must be aligned with the gradients.		<log,oc,prg>
2227220	Must define hardware instruction for %s before calling this routine.		<log,oc,prg>
2227221	Index of %d must be within the range of pulse %s's resolution.		<log,oc,prg>
2227222	EOS flag of %d for %s is invalid. Must be set to either 0 or 1.		<log,oc,prg>
2227223	%d for %s does not correspond to a waveform generator listed in pulsege.h.		<log,oc,prg>
2227224	Invalid value of %f for number of sinc cycles in pulse %s.		<log,oc,prg>
2227225	Invalid phase start of %f in sinusoid pulse %s.		<log,oc,prg>
2227226	Invalid phase length of %f in sinusoid pulse %s.		<log,oc,prg>
2227227	Single noise test cannot accompany other tests.		<log,oc,opr>
2227228	The prescribed echo train length is invalid.		<log,oc,opr>
2227229	The prescribed echo train length is invalid for 2 echo non-sequential		<log,oc,opr>
2227230	The prescribed echo train length is incompatible with the phase res		<log,oc,opr>
2227231	The echo train length must be decreased to %d.		<log,oc,opr>
2227232	The echo train length must be increased to %d.		<log,oc,opr>
2227233	FSE or FSE-IR must be selected to start the fse-xl PSD		<log,oc,opr>
2227234	Cannot select a pause and Cardiac Gating with Fast Spin Echo.		<log,oc,opr>
2227235	For TR less than %dms, less than %d reps before pause is invalid		<log,oc,opr>
2227236	Pause time is longer than scan time. Select fewer reps before pause.		<log,oc,opr>
2227237	The SAT option is not supported in Fast Gradient Echo Imaging.		<log,oc,opr>
2227238	Grad Recall must be selected for PREPped Fast Gradient Echo scans.		<log,oc,opr>
2227239	SPGR must be selected for Multi-planar Fast Gradient Echo scans.		<log,oc,opr>
2227240	The sequential option must be chosen with Multi-phase or PREPped Fast Gradient Echo scans		<log,oc,opr>
2227241	The interleaved option is not supported when 1 slice/location is selected		<log,oc,opr>
2227242	Fractional nex is not supported in spectro scans		<log,oc,opr>
2227243	Odd NEX is not supported with Respiratory Compensation.		<log,oc,opr>
2227244	No Phase Wrap cannot be performed with Square Pixel.		<log,oc,opr>
2227245	No Phase Wrap cannot be performed with Variable FOV.		<log,oc,opr>
2227246	Resp. Comp. when used with Square Pixel will not allow NEX greater than 1.		<log,oc,opr>
2227247	Resp. Comp. when used with Variable FOV will not allow NEX greater than 1.		<log,oc,opr>
2227248	POMP does not support Square Pixel.		<log,oc,opr>
2227249	POMP does not support Variable FOV.		<log,oc,opr>
2227250	The prescribed ETL is incompatible with Square Pixel and the selected phase resolution.		<log,oc,opr>
2227251	The prescribed ETL is incompatible with Variable FOV and the selected phase resolution.		<log,oc,opr>
2227252	Invalid image mode selected (3D only).		<log,oc,opr>
2227253	Gradient Echo, SPGR, Vasc TOF, or Vasc TOF SPGR are the only valid pulse seqs for FGRE3D.		<log,oc,opr>
2227254	Spatial SAT on more than one axis is not supported in FGRE3D.		<log,oc,opr>
2227255	Two SAT bands with different thicknesses are not supported in FGRE3D.		<log,oc,opr>
2227256	Combination of graphic and an explicit SAT band with a default SAT band is not supported in FGRE3D.		<log,oc,opr>
2227257	The only valid coil for this PSD is the head coil.		<log,oc,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2227258	This prescription requires graphic ROI.		<log,oc,opr>
2227259	Frequency and phase in same direction. Modify prescription.		<log,oc,opr>
2227260	Gradient(s) too big. Modify Prescription.		<log,oc,opr>
2227261	Spectroscopy prescription failed.		<log,oc,opr>
2227262	Spatial SAT is not allowed for weights less than %d kg.		<log,oc,opr>
2227263	Please increase TR, the MT flip angle is too small.		<log,oc,opr>
2227264	The MT flip angle is too large.		<log,oc,opr>
2227265	Spin Echo is the only option supported by this psd.		<log,oc,opr>
2227266	Graphic Rx is not supported with this scan.		<log,oc,opr>
2227267	The square pixel option is not supported.		<log,oc,opr>
2227268	This option not supported by Spectroscopy.		<log,oc,opr>
2227269	SAT is not supported with Multi-Phase or PREPed Fast Gradient Echo scans		<log,oc,opr>
2227270	The MT option is not available with this pulse sequence.		<log,oc,opr>
2227271	The only available ramp pulse directions are: -1 (negative ramp), 0 (non-ramp), and 1 (positive ramp).		<log,oc,opr>
2227272	The number of views per segment must be a multiple of 2.		<log,oc,opr>
2227273	The SPGR option is not compatible with Cardiac Gating and Fast Gradient Echo scans.		<log,oc,opr>
2227274	0 meaning 'No' and 1 meaning 'Yes' are the only valid responses to '%s'.		<log,oc,opr>
2227275	Scan aborted due to %d arrythmia triggers. This may have been caused by changed cardiac bpm while scanning. Please represcribe with an upd		<log,oc,opr>
2227276	%d arrythmia triggers were detected during this scan.		<log,oc,opr>
2227277	The Cardiac Gating option is not supported in Fast Gradient Echo scans with the Multi-Phase, IR Prepared or DE Prepared options.		<log,oc,opr>
2227278	The Raw Image Reconstruction option is not available with this pulse sequence.		<log,oc,opr>
2227279	The selected TE must be increased to %4.2f ms for the current prescription.		<log,oc,opr>
2227280	Board %d does not exist. Check cferdtype in MRConfig File.		<log,oc,opr>
2227281	Time argument value in an instruction node found by the routine is invalid. Value -> %d, pulse list -> %s		<log,oc,opr>
2227282	The number of locations per slab selected must be reduced to %d for the current prescription.		<log,oc,opr>
2227283	The number of locations per slab selected must be increased to %d for the current prescription.		<log,oc,opr>
2227284	The number of overlap locations selected must be reduced to %d for the current prescription.		<log,oc,opr>
2227285	Only even number of slices per slab is supported.		<log,oc,opr>
2227286	The interleave option and cardiac gating cannot be selected at the same time.		<log,oc,opr>
2227287	Fractional NEX is not allowed with this scan.		<log,oc,opr>
2227288	Pulse Seq. Estimates show an RF pulse to use excessive energy. Check the MRconfig file first, then check the pulse sequence rf pulse designs.		<log,oc,opr>
2227289	Pulse Seq. Estimates show an RF pulse w/ excessive width. Check the MRconfig file first, then check the pulse sequence rf pulse designs.		<log,oc,opr>
2227290	SAT is not available with the IR Prep Option in fast 3D gradient echo.		<log,oc,opr>
2227291	The number of views per segment does not fit within the RR period. Reduce the views per segment parameter or reduce TR via other parameter		<log,oc,opr>
2227292	Concat Sat is not supported with this scan.		<log,oc,opr>
2227293	Phase Correction is not compatible with Reps before pause.		<log,oc,opr>
2227294	Scan aborted. Phase Correction failed. Cancel and represcribe without Phase Correction.		<ioer,oc,opr,log,pri5>
2227295	PSD error text associated with RSP error: %s		<log,oc,prg>
2227296	Please reduce the number of slices or increase the number of views per segment.		<log,oc,opr>
2227297	The axial scan plane must be selected with EPI.		<log,oc,opr>
2227298	The Flow Comp option must be selected with EPI.		<log,oc,opr>
2227299	No Phase Wrap and EPI are incompatible features.		<log,oc,opr>
2227300	The only valid FOV with this prescription is %d cm.		<log,oc,prg>
2227301	The frequency encodings must be set to %d for the current prescription.		<log,oc,opr>
2227302	Respiratory Compensation and EPI are incompatible features.		<log,oc,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2227303	Respiratory Triggering and EPI are incompatible features.		<log,oc,opr>
2227304	The Tailored RF option is not supported in this scan.		<log,oc,opr>
2227305	Views Per Segment must be between 2 and %d.		<log,oc,opr>
2227306	The EPI option is not supported in this scan.		<log,oc,opr>
2227307	Warning: This current prescription will cause scan to pause.		<log,oc,opr>
2227308	The maximum configured RF power %f has been exceeded. The actual power is %f		<log,oc,opr>
2227309	The maximum B1 %f has been exceeded. The actual B1 is %f		<log,oc,opr>
2227310	The maximum B1 squared %f has been exceeded. The actual B1^2 is %f		<log,oc,opr>
2227311	Respiratory triggering is not supported by this pulse sequence		<log,oc,opr>
2227312	Respiratory Triggering and Cardiac Gating are not compatible		<log,oc,opr>
2227313	Cannot select a pause and respiratory triggering with Fast Spin Echo.		<log,oc,opr>
2227314	The available imaging time is insufficient. Decrease the trigger window		<log,oc,opr>
2227315	The interleave option and respiratory triggering cannot be selected at the same time.		<log,oc,opr>
2227316	The max scan offset exceeded. Use a max offset of %2dmm or use slice thickness > %2dmm.		<log,oc,opr>
2227317	SPGR is not supported with EPI. Select Spin Echo or Gradient Echo.		<log,oc,opr>
2227318	Receive bandwidth must be less than or equal to 62.5 kHz.		<log,oc,opr>
2227319	Stimulation threshold exceeded (T/s).		<log,oc,opr>
2227320	Stimulation threshold exceeded (%%).		<log,oc,opr>
2227321	The number of shots must be even for this protocol.		<log,oc,opr>
2227322	EPI is not compatible with the 3D Image Mode. Please select 2D		<log,oc,opr>
2227323	The number of lines acquired must be a multiple of the number of shots.\nAdjust the number of shots or the phase resolution		<log,oc,opr>
2227324	The acquisition matrix size in phase (y resolution) must be even for EPI		<log,oc,opr>
2227325	The range for the trigger point is %d to %d		<log,oc,opr>
2227326	The range for the trigger window is %d to %d		<log,oc,opr>
2227327	The inter-sequence delay must be increased to %dms		<log,oc,opr>
2227328	The files %s were not found. Using default values.		<log,oc,opr>
2227329	FLAIR does not support no phase wrap.		<log,oc,opr>
2227330	FLAIR supports only 1 Nex and 2 Nex.		<log,oc,opr>
2227331	The TI is too long for FLAIR.		<log,oc,opr>
2227332	Reduce phases per loc to %d or increase TR.		<log,oc,opr>
2227333	Illegal combination of phase encode lines, shots, and fract/full TE.		<log,oc,opr>
2227334	Head coil port must be the transmitting port		<log,oc,opr>
2227335	Weights less than %d kg re not allowed with MT		<log,oc,opr>
2227336	The sequential multiphase and cardiac gating options are not\ncompatible for epi.		<log,oc,opr>
2227337	Scan aborted. Resp triggering failed due to no resp signal present at Systems Cabinet.		<log,oc,opr>
2227338	Fat suppression must be selected with 0.5T epi.		<log,oc,opr>
2227339	The minimum bandwidth for epi using this coil is 62.5 kHz.		<log,oc,opr>
2227340	The number of slices for epi must be odd.		<log,oc,opr>
2227341	Multi-shot and ramp-sampling are not compatible		<log,oc,opr>
2227342	Multiple acquisitions and epi are incompatible.		<log,oc,opr>
2227343	The minimum number of shots for this protocol is %d.		<log,oc,opr>
2227344	The MT option is not available with surface coils.		<log,oc,opr>
2227345	The frequency encodings must be 256 or 512.		<log,oc,opr>
2227346	Cardiac Gating is incompatible with MT option.		<log,oc,opr>
2227347	xres greater than 256 and ramp sampling are not compatible.		<log,oc,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2227348	Only even echo train lengths are valid for 2-echo, non-full train prescriptions.		<log,oc,opr>
2227349	Select Full Train or increase etl to 4 for 2 echo prescription.		<log,oc,opr>
2227350	You can only select Minimum, Min Full, In Phase, or Out of Phase for this Pulse Sequence.		<log,oc,opr>
2227351	The xres must be an even number.		<log,oc,opr>
2227352	1.5 NEX is not compatible with POMP.		<log,oc,opr>
2227353	Extended Dynamic Range is not applicable when a fast receiver is used.		<log,oc,opr>
2227354	The fast option is not supported in this PSD.		<log,oc,opr>
2227355	The respiratory trigger option is not supported in this PSD.		<log,oc,opr>
2227356	The full echo train option is not supported in this PSD.		<log,oc,opr>
2227357	The option magnetization transfer is not supported in this PSD.		<log,oc,opr>
2227358	The PSD returned an ADVISORY_FAILURE but could not find a solution		<log,oc,opr>
2227359	FLAIR does not support square pixel		<log,oc,opr>
2227360	EPI is incompatible with the Single-Shot button. Please use # of Shots = 1 for SS-EPI.		<log,oc,opr>
2227361	%s start/end locations must be between %5.1fmm and %5.1fmm.		<log,oc,opr>
2227362	%s voxel dimension must be at least %5.1fmm.		<log,oc,opr>
2227363	The number of phases must be decreased to %d.		<log,oc,opr>
2227364	The number of discarded slices must be reduced to %d for the current prescription.		<log,oc,opr>
2227365	Multi phase is not compatible with ref scan with all slices.		<log,oc,opr>
2227366	The nex must be even, or scan mode must be zero.		<log,oc,opr>
2227367	Use an offset < %dmm or use a slice thickness >=%3.1fmm.		<log,oc,opr>
2227368	The echo spacing must be a multiple of hardware period.		<log,oc,opr>
2227369	The number of RR intervals must be increased for the current prescription.		<log,oc,opr>
2227370	The total number of scans must be greater than zero		<log,oc,opr>
2227371	Cardiac Compensation is available with Gradient Echo and SPGR sequences only.		<log,oc,opr>
2227372	Cardiac Compensation is not allowed with Respiratory Compensation.		<log,oc,opr>
2227373	Odd NEX is not supported with Cardiac Compensation.		<log,oc,opr>
2227374	Cardiac Compensation, when used with square pixel will not allow NEX greater than 1.		<log,oc,opr>
2227375	Cardiac Compensation, when used with variable FOV will not allow NEX greater than 1.		<log,oc,opr>
2227376	Cardiac Gating is not allowed with Cardiac Compensation.		<log,oc,opr>
2227377	Cine is not compatible with Cardiac Compensation.		<log,oc,opr>
2227378	Cardiac compensation is not compatible with Multi-Phase.		<log,oc,opr>
2227379	Cardiac Compensation is not compatible with IRPrep.		<log,oc,opr>
2227380	Cardiac Compensation is not compatible with DEPrep.		<log,oc,opr>
2227381	Plane Selected must be 3plane for this sequence.		<log,oc,opr>
2227382	No Phase wrap is the only available imaging option for Localizer.		<log,oc,opr>
2227383	%s failed.		<log,oc,opr>
2227384	Please increase the number of slices or decrease the number of acquisitions.		<log,oc,opr>
2227385	Malloc %s failed.		<log,oc,opr>
2227386	Insert %s pulse failed.		<log,oc,opr>
2227387	%s failed in %s.		<log,oc,opr>
2227388	Gradient Recalled Scans do not support 0.5 nex.		<log,oc,opr>
2227389	%s failed: %f		<log,oc,opr>
2227390	%s failed : %d		<log,oc,opr>
2227391	Concat SAT is not supported in Fast Gradient Recalled Imaging.		<log,oc,opr>
2227392	Data acq. exceeds avail image time. Decrease VS or trigger window or turn off IR.		<log,oc,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2227393	Data acq. exceeds avail image time. Decrease VS or trigger window.		<log,oc,opr>
2227394	Phase Contrast without Cardiac Gating is Incompatible.		<log,oc,opr>
2227395	Sequential option must be selected for Gated TOF.		<log,oc,opr>
2227396	Sequential option must be selected for FMPVAS.		<log,oc,opr>
2227397	TR is out of range. TR must lie between %d and %d ms.		<log,oc,opr>
2227398	%s predownload failed.		<log,oc,opr>
2227399	Maxwell term calculation error: %s.		<log,oc,opr>
2227400	%s for %s failed.		<log,oc,opr>
2227401	Only two echo multi-echo is currently supported.		<log,oc,opr>
2227402	The %s option must be selected with %s psd.		<log,oc,opr>
2227403	Unknown %s .		<log,oc,opr>
2227404	Pulse width or flip angle = 0.		<log,oc,opr>
2227405	%s is not provided with CINE.		<log,oc,opr>
2227406	FLAIR does not support %s.		<log,oc,opr>
2227407	Cardiac Gating option is not supported in Fast Multi-Phase Gradient Recalled Imaging.		<log,oc,opr>
2227408	Cardiac Gating option is not supported in Fast Gradient Recalled Imaging with IR Prepared or DE Prepared options.		<log,oc,opr>
2227409	Arrhythmia rejection is incompatible with max # phases = 1.		<log,oc,opr>
2227410	Arrhythmia rejection cannot be selected when VPS is 1.		<log,oc,opr>
2227411	Views per Segment %d must be an even number or 1.		<log,oc,opr>
2227412	Vcopy data shift %d must evenly divide opvps.		<log,oc,opr>
2227413	Vcopy data shift %d must be less than opvps %d.		<log,oc,opr>
2227414	Trigger Delay must be reduced to %d ms.		<log,oc,opr>
2227415	Please select Minimum Delay for Single-Phase Multi-slice Scan min = %d, delay = %d.		<log,oc,opr>
2227416	Please select minimum trigger delay.		<log,oc,opr>
2227417	Cannot fill end of RR interval with opvps = 1.		<log,oc,opr>
2227418	Fastcard does not support odd nex with no phase wrap.		<log,oc,opr>
2227419	Flow compensation must be selected with Phase Contrast.		<log,oc,opr>
2227420	Vascular PC does not support IR Prep.		<log,oc,opr>
2227421	Vascular PC does not support Multi-Phase.		<log,oc,opr>
2227422	Flow compensation must be selected with FCARDPC.		<log,oc,opr>
2227423	Vascular PC does not support DE Prep.		<log,oc,opr>
2227424	Time delay for IR Prep_dda pulse is negative.		<log,oc,opr>
2227425	Segment delay time is negative.		<log,oc,opr>
2227426	Enter Phase FOV and YRES before selecting Views per segment.		<log,oc,opr>
2227427	The IR Prep and Spatial Sat cannot be prescribed together in FMPVAS.		<log,oc,opr>
2227428	Sequential must be chosen with TOF.		<log,oc,opr>
2227429	Multi-Phase option is not supported in Fast Vascular scans.		<log,oc,opr>
2227430	The allowable range of VS is between %d and %d.		<log,oc,opr>
2227431	Chemical Saturation is not supported in FMPVAS.		<log,oc,opr>
2227432	The minimum value for Views per Segment is %d.		<log,oc,opr>
2227433	Both IR and DE Prep cannot be concurrently selected.		<log,oc,opr>
2227434	IR/DE Prep and MPh cannot be concurrently selected.		<log,oc,opr>
2227435	The difference between Echo Train Length and the Number of echoes to skip must be an even for Split Echo Train.		<log,oc,opr>
2227436	%s is not supported in 3dfse.		<log,oc,opr>
2227437	Valid values of Views Per Segment are %d, %d, %d, %d, %d.		<log,oc,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2227438	Valid values of Views Per Segment are %d, %d, %d, %d, %d, %d, %d, %d.		<log,oc,opr>
2227439	Burst time cannot be greater than %d seconds.		<log,oc,opr>
2227440	Invalid ref_mode value, use 0, 1 or 2.		<log,oc,opr>
2227441	Can't initialize entry point table.		<log,oc,opr>
2227442	Pulse Width for Pulse %d not initialized.		<log,oc,opr>
2227443	Nominal Flip Angle for Pulse %d is 0.		<log,oc,opr>
2227444	Max B1 not initialized.		<log,oc,opr>
2227445	Field strengths other than 1.5T, 1.0T, 0.5T or 0.2T are not supported.		<log,oc,opr>
2227446	Phase FOV can only be 0.5, 0.75, or 1.0		<log,oc,opr>
2227447	The frequency encodings must be between 128 and 512.		<log,oc,opr>
2227448	The nearest valid frequency encoding value is %d.		<log,oc,opr>
2227449	The phase FOV must be between 0.5 and 1.0.		<log,oc,opr>
2227450	Please select minimum TE, or enable flow compensation.		<log,oc,opr>
2227451	The nearest allowed slice thickness with the selected slice ZIP factor is %4.1f mm.		<log,oc,opr>
2227452	Max. locs. exceeded. Reduce the no. of slabs to %d, or reduce slice ZIP.		<log,oc,opr>
2227453	No ZIP imaging options are available for this version of the PSD.		<log,oc,opr>
2227454	The slice ZIP options of x2 and x4 cannot both be selected.		<log,oc,opr>
2227455	The 1024 ZIP option is not available for this PSD.		<log,oc,opr>
2227456	This PSD only supports the 1.0T and 1.5T field strengths.		<log,oc,opr>
2227457	This PSD does not support 1.5 NEX no phase wrap or 0.75 NEX scans.		<log,oc,opr>
2227458	512 ZIP option is not compatible with this Pulse Sequence.		<log,oc,opr>
2227459	Slice ZIP options are not compatible with this Pulse Sequence.		<log,oc,opr>
2227460	SmartPrep option is not compatible with this Pulse Sequence.		<log,oc,opr>
2227461	ZIP 512 is not available without the option key.		<log,oc,opr>
2227462	Slice ZIP is not available without the option key.		<log,oc,opr>
2227463	SmartPrep is not available without the option key.		<log,oc,opr>
2227464	Cardiac Compensation is not available with this PSD.		<log,oc,opr>
2227465	Smart Prep is available only with fast 3D TOF Sequences.		<log,oc,opr>
2227466	The only available non-fast sequences which supports ZIP 512 option are TOF and TOF-SPGR		<log,oc,opr>
2227467	The fast sequences which support ZIP512 are 3D Gradient Echo,3D TOF and 3DTOF SPGR.		<log,oc,opr>
2227468	Zip X 4 Option is available with 3D GRE and 3D TOF sequences only.		<log,oc,opr>
2227469	Zip X 2 Option is available with 3D GRE and TOF sequences only.		<log,oc,opr>
2227470	Zip 1024 is available with 2D Fast Spin Echo Sequence Only.		<log,oc,opr>
2227471	Number of shots must be less than or equal to phase encode lines.		<log,oc,opr>
2227472	Combination of opnshots and opyres incompatible try opyres of %d\n.		<log,oc,opr>
2227473	The ZIP options of 1024 and 512 cannot both be selected.		<log,oc,opr>
2227474	1024 ZIP option is not available with FLAIR.		<log,oc,opr>
2227475	1024 ZIP option is not available with No Phase Wrap.		<log,oc,opr>
2227476	Pulse Sequence Selected must be Localizer.		<log,oc,opr>
2227477	Maximum Number of Echoes allowed is 1 for Localizer.		<log,oc,opr>
2227478	Only a maximum of 85 slices per plane is allowed for Localizer.		<log,oc,opr>
2227479	The %s option is not compatible with %s psd.		<log,oc,opr>
2227480	Sequential group acquisition and interleave are not compatible.		<log,oc,opr>
2227481	The maximum number of acquisitions is 16 for group sequential scans.		<log,oc,opr>
2227482	1024 ZIP is not supported currently in 2DFSE.		<log,oc,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2227483	Sequential group acquisition and cardiac gating are not compatible.		<log,oc,opr>
2227484	Sequential group acquisition and respiratory trigger are not compatible.		<log,oc,opr>
2227485	FSE or FSE-IR should be selected to start fse-xl PSD.		<log,oc,opr>
2227486	This prescription is not allowed.		<log,oc,opr>
2227487	The Diffusion option is not supported in this scan.		<log,oc,opr>
2227488	The Monitor Period is out of range.		<log,oc,opr>
2227489	RF1 and RF2 bandwidths must match for RF scaling.		<log,oc,opr>
2227490	Choose a different RF scale, RF1 pulse width is not on gradient boundary.		<log,oc,opr>
2227491	Sequential group acquisition is only allowed with oblique scans.		<log,oc,opr>
2227492	Overlap should be less than 80%% of the prescribed slice thickness.		<log,oc,opr>
2227493	This PSD does not support Fast CINE.		<log,oc,opr>
2227494	Fast CINE is not compatible with multi-planar mode.		<log,oc,opr>
2227495	This PSD does not support Blood Suppression.		<log,oc,opr>
2227496	This PSD does not support Cardiac Tagging.		<log,oc,opr>
2227497	Tagging is valid only in sequential mode.		<log,oc,opr>
2227498	Tagging image quality is better with non-SPGR scans.		<log,oc,opr>
2227499	Tagging is not compatible with Phase Contrast.		<log,oc,opr>
2227500	Memory allocation failure\n Instantiation of object %s failed		<myhost,prg,log>
2227501	Memory allocation failure\n malloc() for %s failed		<myhost,prg,log>
2227502	Limit %d exceeded by value %d		<myhost,opr,ioer>
2227503	Invalid argument		<myhost,prg,log>
2227504	%s		<myhost,prg,log>
2227505	Error		<myhost,opr,ioer>
2227506	Failed to open the locked file for run number %d.		<myhost,opr,ioer>
2227507	Failed to open the file for run number %d.		<myhost,opr,ioer>
2227508	Failed to read the header for run number %d		<myhost,opr,ioer>
2227509	Failed to close the locked file for run number %d.		<myhost,opr,ioer>
2227510	Failed to close the file for run number %d.		<myhost,opr,ioer>
2227511	Failed to unlock the header for run number %d.\n The file is probably permed.		<myhost,opr,ioer>
2227512	Failed to lock the slice for run number %d.		<myhost,opr,ioer>
2227513	The link file %d does not exist		<myhost,opr,ioer>
2227514	The pass file %d does not exist		<myhost,opr,ioer>
2227515	Failed to unlock the run number %d.		<myhost,opr,ioer>
2227516	Failed to lock the file for run number %d.		<myhost,opr,ioer>
2227517	Failed to lock to tape the file for run number %d.		<myhost,opr,ioer>
2227518	Failed to lock the file for run number %d.		<myhost,opr,ioer>
2227519	Failed to validate the file for run number %d.		<myhost,opr,ioer>
2227520	Failed to perm run number %d.		<myhost,opr,ioer>
2227521	Failed to dealloacte run number %d.		<myhost,opr,ioer>
2227522	Failed to unlock run number from tape for tape file number: %d.		<myhost,opr,ioer>
2227523	Error the file is not a part of the scan: %d		<myhost,opr,ioer>
2227524	Load failed for tapeFileNumber : %d		<myhost,opr,ioer>
2227525	Attempting to Load File %d from Disk To TPS Memory.\n *** Please Wait ***		<myhost,opr,ioer>
2227526	Locking Slice for File %d from TPS To Disk.\n *** Please Wait ***		<myhost,opr,ioer>
2227527	Locking File %d from TPS To Disk.\n *** Please Wait ***		<myhost,opr,ioer>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2227528	The next files on tape are NOT part of the scan.\n First pass only is restored.		<myhost,opr,ioer>
2227529	Load of %s failed. Scan not loaded.		<myhost,opr,ioer>
2227530	Failed to rebuild run number %d.		<myhost,opr,ioer>
2227531	Failed to rebuild all run files.		<myhost,opr,ioer>
2227532	The device: %s is not Available.		<myhost,opr,ioer>
2227533	The device:%s is out of service.		<myhost,opr,ioer>
2227534	The device: %s is BUSY.		<myhost,opr,ioer>
2227535	The device: %s timed out.		<myhost,opr,ioer>
2227536	MR Tools process failed to release the %s .		<myhost,opr,ioer>
2227537	The run number for the selected image is = %d.		<myhost,opr,ioer>
2227538	The disk to tape operation failed for run number %d.		<myhost,opr,ioer>
2227539	The tape to disk operation failed for tape file number %d.		<myhost,opr,ioer>
2227540	The operation was aborted.		<myhost,opr,ioer>
2227541	Re-enter Exam number		<myhost,opr,ioer>
2227542	Re-enter Series number		<myhost,opr,ioer>
2227543	Re-enter Image number		<myhost,opr,ioer>
2227544	Multiple Exams match input; please select one		<myhost,opr,ioer>
2227545	Multiple Series match input; please select one		<myhost,opr,ioer>
2227546	Multiple Images match input; please select one		<myhost,opr,ioer>
2227547	Error Retrieving First Image ; Please Restart		<myhost,opr,ioer>
2227548	Error Retrieving Second Image ; Please Restart		<myhost,opr,ioer>
2227549	Error computing SNR		<myhost,opr,ioer>
2227550	Error displaying SNR results		<myhost,opr,ioer>
2227551	Error computing T2		<myhost,opr,ioer>
2227552	Error displaying T2 results		<myhost,opr,ioer>
2227553	The headers are saved in %s.		<myhost,opr,ioer>
2227554	Unable to save the headers to a file.\nPlease consult the log for more details.		<myhost,opr,ioer>
2227555	*** Reset/Download TPS was successful. ***		<pri5,opr,myhost,log>
2227556	*** Reset/Download TPS was not successful. ***		<pri6,opr,myhost,log>
2227557	*** Reset/Download TPS In progress. ***		<pri7,opr,myhost,log>
2227558	\n		<myhost,opr,ioer>
2227559	*** The Tape Operation was successful. ***		<myhost,opr,ioer>
2227560	Saving to tape: run number %ld, to tape file number %ld		<myhost,opr,ioer>
2227561	Loading from tape: tape file number %ld		<myhost,opr,ioer>
2227562	Rebuilding run number file %ld		<myhost,opr,ioer>
2227563	*** The rebuild operation was successful. ***		<myhost,opr,ioer>
2227564	There are no run files to rebuild.		<myhost,opr,ioer>
2227565	*** Please wait *** This scan has multiple passes.\n Checking if the next tape files are for the same scan.		<myhost,opr,ioer>
2227566	%s		<myhost,opr,ioer>
2227567	%s		<myhost,opr,ioer>
2227568	%s		<myhost,opr,ioer>
2227569	*** The operation was successful. ***		<myhost,opr,ioer>
2227570	The tape is not ready.\n The operation failed.		<myhost,opr,ioer>
2227571	Access or permission denied.\n Please check protection.		<myhost,opr,ioer>
2227572	No such device or address.\n Please check if the device is installed.		<myhost,opr,ioer>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2227573	The run number is already permed.		<myhost,opr,ioer>
2227574	Failed to unperm all run numbers permed by this tool.		<myhost,opr,ioer>
2227575	Preparing pool entry %d in order to unlock the run.\n *** Please Wait ***		<myhost,opr,ioer>
2227576	Attempting to load tape file %d from Tape To TPS Memory.\n *** Please Wait ***		<myhost,opr,ioer>
2227577	Failed to check if the next files on tape belong to the same scan. Only one pass loaded		<myhost,opr,ioer>
2227578	Error creating difference image		<myhost,opr,ioer>
2227579	Error creating T2 image		<myhost,opr,ioer>
2227580	Error displaying Thickness results		<myhost,opr,ioer>
2227581	Error computing Thickness		<myhost,opr,ioer>
2227582	Image must be Axial, Coronal or Sagittal		<myhost,opr,ioer>
2227583	Error displaying Slice Offset results		<myhost,opr,ioer>
2227584	Error computing Slice Offset		<myhost,opr,ioer>
2227585	Error displaying FFD results		<myhost,opr,ioer>
2227586	Error computing FFD		<myhost,opr,ioer>
2227587	Invalid FOV (must be 48 cm)		<myhost,opr,ioer>
2227588	SORTED BY DATE.		<myhost,opr,ioer>
2227589	SORTED BY NAME.		<myhost,opr,ioer>
2227590	SORTED BY ECHO.		<myhost,opr,ioer>
2227591	SORTED BY TRIGGER.		<myhost,opr,ioer>
2227592	SORTED BY LOCATION.		<myhost,opr,ioer>
2227593	SORTED BY NUMBER.		<myhost,opr,ioer>
2227594	Failed to complete this operation; the run file %d is invalid.		<myhost,opr,ioer>
2227595	Phantom positioned incorrectly; please scan again		<myhost,opr,ioer>
2227596	Scan Plane must be Sagittal or Coronal		<myhost,opr,ioer>
2227597	A valid input followed by a carriage return is required.		<myhost,opr,ioer>
2227598	One Superior and One Inferior Image must be selected		<myhost,opr,ioer>
2227599	Both images must have the same table delta		<myhost,opr,ioer>
2227600	First image of a 2, 4 or 8 echo T2 scan required		<myhost,opr,ioer>
2227601	Invalid or Expired Service Key.\nPlease contact your GE Representative for a new key.		<pri10,opr,myhost>
2227602	Insite is logged in		<pri3,opr,log,myhost>
2227603	Insite logged out		<myhost,log,opr>
2227700	The checksum of the vxWorks platform executable code has changed.		<log,myhost,opr>
2227701	The stack of vxWorks task %s has been corrupted or exceeded.		<log,myhost,opr>
2227702	The vxWorks free memory control structures have been corrupted.		<log,myhost,opr>
2227703	The checksum of executable code from the vxWorks application file <%s> has changed.		<log,myhost,opr>
2227710	Unexpected packet from %s with opcode = %d, State = %d, substate = %d, and step = %d.		<opr,myhost,log>
2227711	Error starting or stopping WD timer, status = %d.		<opr,myhost,log>
2227712	The function hs_wd_create returns on error = %d.		<opr,myhost,log>
2227713	The function tc_stage_exist returns on error = %d.		<opr,myhost,log>
2227714	The cm_lookup of HPC_PORT has failed. HPC has not yet responded, still trying to connect.\nIgnore this message if it occurs during a boot requi		<opr,myhost,log>
2227715	Stop arrived before start packet, ignoring start.		<opr,myhost,log>
2227716	The checksum failed on the Entry Point Table.		<opr,myhost,log>
2227717	The function cm_send returns on error = %d.		<opr,myhost,log>
2227718	Unknown entry point = %s, not in the entry point table.		<opr,myhost,log>
2227719	User timed out on stop, sending ASTOP to stop User.		<opr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2227720	IPG-HPC timed out on stop, stopping IPG-HPC.		<opr,myhost,log>
2227721	The timer has expired, HPC is not responding.		<opr,myhost,log>
2227722	Error defining TPSSC mailbox's. Error = %d.		<opr,myhost,log>
2227723	NO Shared Memory Pointer, it has not arrived yet from HPC.		<opr,myhost,log>
2227724	NO Entry Point Table, it has not arrived yet.		<opr,myhost,log>
2227725	Forcing Hstop to be processed, resetting substate %d to Idle.		<opr,myhost,log>
2227726	Receiver Hardware setup failed.		<opr,myhost,log>
2227727	Transceiver/Exciter Hardware setup failed.		<opr,myhost,log>
2227728	Please Try Again.		<opr,myhost,log>
2227729	by Operator Request.		<opr,myhost,log>
2227730	The function cm_rec returns on error = %d.		<opr,myhost,log>
2227731	TPSSC received an unexpected packet, check error log.		<opr,myhost,log>
2227732	by Cerd Error Server request.		<opr,myhost,log>
2227810	Attempt to clear queue was unsuccessful.		<opr,myhost,log>
2227811	A programmable SSP packet was not received in time to acquire the next frame of data.		<opr,myhost,log>
2227812	Data Acquisition reached the end of the scan before the PSD.		<opr,myhost,log>
2227813	The PSD reached the end of the scan before data acquisition.		<opr,myhost,log>
2227814	Queue not tagged with DSEQ.		<opr,myhost,log>
2227815	Queue empty.		<opr,myhost,log>
2227816	The programmable queue is full. Data acquisition continued to receive SSP packets even though no data was being received.		<opr,myhost,log>
2227817	Data acquisition task queue overflowed.		<opr,myhost,log>
2227818	MR Signal too large; Reduce Receive Gain 2.		<pri5,myhost,opr>
2227819	MR Signal too large; Reduce Receive Gain 1.		<pri5,myhost,opr>
2227820	MR Signal too large; Reduce Receive Gains 1 and 2.		<pri5,myhost,opr>
2227821	The task queue received a message with an unrecognized opcode.		<opr,myhost,log>
2227822	The slice number from the SSP packet is out of range.		<opr,myhost,log>
2227823	The echo number from the SSP packet is out of range.		<opr,myhost,log>
2227824	The view number from the SSP packet is out of range.		<opr,myhost,log>
2227825	Invalid code received.		<opr,myhost,log>
2227826	System call failed		<opr,myhost,log>
2227827	No memory available.		<opr,myhost,log>
2227828	CM_Send failed		<opr,myhost,log>
2227829	CM_Lookup failed		<opr,myhost,log>
2227830	Insufficient TPS memory allocated for this scan.		<opr,myhost,log>
2227831	The SSP Save area for the current acquisition has overflowed. No more SSP packets will be saved throughout this scan.		<opr,myhost,log>
2227832	An SSP packet opcode was out of range.		<opr,myhost,log>
2227833	An SSP packet did not contain an opcode where an opcode was expected.		<opr,myhost,log>
2227834	A DAB error occurred. Please run diagnostics on the DAB, BAM and XCVR. %08xH		<opr,myhost,log>
2227835	The SSP packet did not indicate data where data was expected.		<opr,myhost,log>
2227836	DAB driver failed.		<opr,myhost,log>
2227837	Spawn failed.		<opr,myhost,log>
2227838	Invalid number of slices for a 3D acquisition.		<opr,myhost,log>
2227839	Data Acquisition could not allocate a Cine realtime buffer.		<opr,myhost,log>
2227840	Data acquisition was told to change passes, end the scan or enable DISDAQ while data for a frame was still being collected.		<opr,myhost,log>
2227841	Data Acquisition was told that the R-R interval had ended, however, data was still being collected.		<opr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2227842	Insufficient Real Time Buffer size.		<opr,myhost,log>
2227843	The IPG and data acquisition did not agree upon the number of frames of data in the last R-R interval.		<opr,myhost,log>
2227844	Heart rate slowed by more than 25%, image quality may suffer.		<pri6,myhost,opr>
2227845	TR is too long relative to heart rate, image quality may suffer.		<pri6,myhost,opr>
2227846	Data Acquisition Error: too much time elapsed between frames of data.		<opr,myhost,log>
2227847	Watchdog call failed		<opr,myhost,log>
2227848	Data Acquisition Failed. Please run diagnostics on the IPG to TPS SSP Interface.		<opr,myhost,log>
2227849	Data Acquisition Failed. Please run diagnostics on the DAB and the Receiver.		<opr,myhost,log>
2227850	Download TPS		<opr,myhost,log>
2227851	Try Again		<opr,myhost,log>
2227852	Insufficient allocation of TPS memory		<opr,myhost,log>
2227853	Run Diagnostics		<opr,myhost,log>
2227854	A Data Acquisition error occurred. Please see message log.		<pri3,myhost,opr>
2227855	TPS encountered a VME bus error during DAB interrupt handling.\n\ The interrupt vector being serviced was #%d.\n\ Possible TPS hardware problem, please run diagnostics.		<log,myhost,opr>
2227856	TPS data acquisition detected a mismatch between the acquired\n\ and expected NEX table sizes.\n\ Probable PSD or TPS programming error.		<log,myhost,prg>
2227857	Data acquisition View Copy queue overflowed.		<opr,myhost,log>
2227858	Data acquisition View Copy Error. Error code = %d.		<opr,myhost,log>
2227910	Unexpected packet received from %s with opcode = %d.		<myhost,prg,log>
2227911	A packet with opcode = %d arrived with the wrong sequence number = %d.		<myhost,prg,log>
2227912	Insufficient TPS memory for either the scan or pass structures		<myhost,prg,log>
2227913	The RDBM Open function returned the following error : %d.		<myhost,prg,log>
2227914	The RDBM Close function returned the following error : %d.		<myhost,prg,log>
2227915	The RDBM Read Header function returned the following error : %d.		<myhost,prg,log>
2227916	The RDBM Write Header function returned the following error : %d.		<myhost,prg,log>
2227917	The RDBM Unlock function has returned an error, memory available = %d.		<myhost,prg,log>
2227918	Error starting or stopping data acquisition watchdog timer, status = %d.		<myhost,prg,log>
2227919	The integer value for %s in the header = %d, and is out of range.		<myhost,prg,log>
2227920	The floating point value for %s in the header = %f, and is out of range.		<myhost,prg,log>
2227921	The function cm_lookup returned the following error : %d.		<myhost,prg,log>
2227922	The function cm_send returned the following error : %d.		<myhost,prg,log>
2227923	The function cm_define returned the following error : %d.		<myhost,prg,log>
2227924	Data acquisition already in progress		<myhost,prg,log>
2227925	Insufficient image buffers available for POMP in TPS memory, tried to get %d buffers.		<myhost,prg,log>
2227926	error please try again		<recn,myhost,opr>
2227927	Download TPS		<recn,myhost,opr>
2227928			<recn,myhost,svr>
2227929	Please Cancel and rescribe		<recn,myhost,opr>
2227930	Data acquisition timeout		<myhost,svr,log>
2227931	Reconstruction did not complete in the expected time		<myhost,svr,log>
2227932	Please continue		<myhost,opr,log>
2227933	----This is an old, obsolete message, TIR takes care of this now!--- All the images for the scan could not be created		<myhost,opr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2227934	Image file transfer failed		<myhost,opr,log>
2227935	RECON ACTIVE----This is an old, obsolete message, TIR takes care of the recon plasma area now (5.1), delete me in next rev!		<recon,myhost,svr>
2227936	not enough memory available to start acquisition, please try again.		<recon,myhost,opr>
2227937	The function cm_rec returned the following error : %d.		<myhost,prg,log>
2227938	The integer value for %s in the header = %d, and is out of range.		<myhost,prg,log>
2227939	Image buffer address, 0x%x, is not found in fs_image_buffer_ptrs[]\nFile: file_server.c		<prg,myhost,log>
2227940	The image buffer return count = %d is invalid for image buffer address 0x%x\nFile: file_server.c		<prg,myhost,log>
2227941	Image buffer address, 0x%x, is not found in fs_image_buffer_ptrs[]\nFile: file_server.c		<prg,myhost,log>
2227942	A quePost error occurred. quePost status = %d\nFile: file_server.c		<prg,myhost,log>
2227943	A memory allocation error occurred. Number of bytes requested = %d\nFile: file_server.c		<prg,myhost,log>
2227944	No Real Time Display image buffers available.\nFile: file_server.c		<prg,myhost,log>
2227945	Invalid image task ID found in image transfer done packet. ID = %d\nFile: file_server.c		<prg,myhost,log>
2227946	An error occurred handling an image transfer done packet.\nA bad return_count was returned from fs_return_imbuf(), return_count = %d\nThe im		<prg,myhost,log>
2227947	File server received an invalid opcode = %d\nFile: file_server.c		<prg,myhost,log>
2227948	A quePend error occurred. quePend status = %d\nFile: file_server.c		<prg,myhost,log>
2227949	A TPS File Server error occurred. Please see message log.		<pri3,opr,myhost,log>
2227950	INTERNAL SOFTWARE ERROR - Cannot open file %s%s.		<prg,myhost,log>
2227951	INTERNAL SOFTWARE ERROR - file %s%s contains invalid value(s).\nFirst error: view number %d value %d.		<prg,myhost,log>
2227952	TPS BOOT FAILURE. Please see message log.		<pri3,opr,myhost>
2227953	INTERNAL SOFTWARE ERROR - A BP Corr file was not read properly. Please rerun Bandpass Assymetry Test before starting EPI.		<pri3,opr,myhost>
2227954	Ref required		<recon,myhost,opr>
2227955	Ref in progress		<recon,myhost,opr>
2227956	Ref size error		<recon,myhost,opr>
2227957			<recon,myhost,opr>
2227958	VRGF in progress		<recon,myhost,opr>
2227959	VRGF done		<recon,myhost,opr>
2227960	VRGF missing		<recon,myhost,opr>
2227961	VRGF size error		<recon,myhost,opr>
2227962	rhnhiter = %d, PCVASC scans and Homodyne II not allowed(set rhnhiter to 0)		<myhost,prg,log>
2227963	AP file not found: %s		<myhost,prg,log>
2227964	AP initialization MCOS error 0x%x\n\n%s%s%s%s\n\nCheck that MEDCAM is present and jumpered for VME Address 0x40000000.		<myhost,svr,log>
2227965	AP configuration file creation error %d		<myhost,prg,log>
2227966	AP configuration error 0x%x.\nPossible problem with /usr/g/bin/prod.conf		<myhost,prg,log>
2227967	AP initialization error.\nNULL AP address for recon data space and RPC control.\nMay need to reduce AP_DATA_SPACE_SIZE in apincludes.h		<myhost,prg,log>
2227968	AP initialization error. NULL BAM starting address.\nNo SMBs were created for BAM. Probably no mod devices specified in /usr/g/bin/prod.conf		<myhost,prg,log>
2227969	The RDBM LOCK function returned the following error : %d. Check /usr/g/mrrow		<myhost,prg,log>
2227970	Ref Aborted		<recon,myhost,opr>
2227971	The RDBM OPEN function returned an illegal file descriptor		<myhost,prg,log>
2227972	Wait time to receive response from TIR exceeded 20secs...still waiting		<myhost,prg,log>
2227973	Received image transfer response from TIR		<myhost,prg,log>
2227974	/w/config/gw_coils.dat: File not found.		<myhost,svr,log>
2227975	/w/config/gw_coils.dat: %s %s invalid.		<myhost,svr,log>
2227976	/w/config/gw_coils.dat: %s not found.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2227977	The number of slices in one pass exceeds the limit %d. scan_prep failed.		<myhost,prg,log>
2227978	Too many slices in one pass.		<recn,myhost,opr>
2228010	AP Error		<opr,myhost,log>
2228011	Image quality may be degraded. Please see message log.		<pri3,myhost,opr>
2228012	call failed to post info buf to queue on file server for image transfer\n from BAM to Host.		<myhost,prg,log>
2228013	watchdog (creation, start, or stop) returned on error		<myhost,prg,log>
2228014	tardis_stage file was not read down		<myhost,svr,log>
2228015	reconstruction error: too much time elapsed between image reconstructions.		<myhost,opr,log>
2228016	Internal AP software error.\n Please consult file /usr/g/service/log/aperror.log for more information.		<myhost,svr,log>
2228017	AP failure. Please reset the TPS.		<pri5,myhost,opr,ioer>
2228018	A TPS RSP error occurred. Please see message log.		<pri3,opr,myhost>
2228019	RSP task received bad MTS packet: status = %d, tag word = %d, offset = %d\nnum_bytes = %d, structure_size = %d, num_triplets = %d, array_i		<prg,myhost,log>
2228020	RSP task failed to get address of IPG's RSP control block. status = %d\naddr = 0x%x. If status is not 0, see VarAddrsByName() in rsp_recn_func		<prg,myhost,log>
2228021	TPS RSP task initialization error. Please see message log.\nYou may need to reset TPS.		<pri3,opr,myhost>
2228022	TPS RSP task received unknown opcode = %d\nFile: rsp_task.c		<prg,myhost,log>
2228023	Error updating TPS Structure during Mini Prep: structure_tag = %d\nMTS_MAX_STRUCTURES = %d, sptr = 0x%x tag = %d\nFile: rsp_task.c		<prg,myhost,log>
2228024	A TPS MTS error occurred. Please see message log.		<pri3,opr,myhost>
2228025	TPS RSP Update error.\nTPS timed out while sending RSP updates to IPG.\nFile: rsp_remote_func.c, Function: ws_swap_rsp_buffer_pointers()		<prg,myhost,log>
2228026	TPS RSP Update error.\nWork Station's RSP buffer on IPG not initialized.\ncont_flag is zero, or PSD did not call cs_rsps_init_processing()\nFiles		<prg,myhost,log>
2228027	TPS RSP Task initialization error.\nNULL address for IPG RSP Control Block.\nnipg.o probably does not support Continuous Imaging.\nOr, cs_init		<prg,myhost,log>
2228028	TPS RSP Update error.\nReceived NULL pointer to RSP address/value pairs.\nFile: rsp_remote_func.c, Function: cs_update_rsp_values()		<prg,myhost,log>
2228029	TPS RSP Update error.\nWorkstation sent bad RSP packet.\nToo many RSPs, or not NULL terminated, or corrupted packet.\nFile: rsp_remote_fi		<prg,myhost,log>
2228030	TPS Dacq RSP initialization error.\nNo RSP symbol names found in recon RSP table.\nFile: rsp_recn_func.c		<prg,myhost,log>
2228031	TPS Dacq RSP initialization error.\nCannot allocate TPS memory.\nFile: rsp_recn_func.c		<prg,myhost,log>
2228032	This PSD does not support Continuous Imaging. cont_synch is undefined on IPG.		<prg,myhost,log>
2228033	Continuous Imaging selected (cont_flag = 1),\nbut no Continuous Imaging RSPs found on IPG.\nFile: rsp_recn_func.c		<prg,myhost,log>
2228034	Continuous Imaging is turned off by this PSD. cont_flag is zero.		<prg,myhost,log>
2228035	TPS Dacq RSP initialization error.\nNo Recon RSP buffer found on IPG\nnipg.o probably does not support Continuous Imaging.\nFiles: rsp_recn_f		<prg,myhost,log>
2228036	TPS Dacq RSP initialization error.\nError looking up IPG addresses of Recon RSPs\nError from VarAddrsByName = %d\nCould be wrong ipg.o l		<prg,myhost,log>
2228037	TPS RSP Update error.\nContinuous Imaging not enabled.\nMCV, Is cont_flag 1? See log. rhexecctrl set for RTD.\nipg_addr_of_cs_rsp_recon_b		<prg,myhost,log>
2228038	TPS Dacq RSP initialization error.\nReal Time Display mode must be set when cont_flag is 1. Check rhexecctrl		<prg,myhost,log>
2228039	The frequency shift (xoff) must be zero for EPI scans at this time.		<prg,myhost,log>
2228040	Phase Contrast Scans do not support Homodyne II processing.		<prg,myhost,log>
2228041	Ref completed		<recn,myhost,opr>
2228042	The Data Acquisition NEX Table has an incorrect value at view number %d. Value = %d.\nImage Quality may be degraded.		<opr,myhost,log>
2228043	Fastcine operation code in SSP packet = %d is out of range.\nSetting operation to %d and continuing.		<opr,myhost,log>
2228044	Fastcine num_TRs in SSP packet = %d is out of range.\nSetting num_TRs to %d and continuing.		<opr,myhost,log>
2228045	Fastcine vps in SSP packet = %d is out of range.\nSetting vps to %d and continuing.		<opr,myhost,log>
2228046	Fastcine viewtable_index in SSP packet = %d is out of range.\nvps = %d. Setting viewtable_index to %d and continuing.		<opr,myhost,log>
2228047	Fastcine view number = %d is out of range, viewtable index = %d.\nSetting view to %d and continuing.		<opr,myhost,log>
2228110	Insufficient TPS memory available.		<opr,myhost,log>
2228111	Access to non-configured DAB.		<opr,myhost,log>
2228112	TPS Memory could not be permed.		<opr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2228113	Insufficient TPS memory available.		<opr,myhost,log>
2228114	Portions of TPS memory are unusable. Scanning is still allowed, however, there might not be enough memory for every type of scan.		<opr,myhost,log>
2228115	Download TPS.		<opr,myhost,log>
2228116	Data may be corrupted. Image quality may suffer.		<opr,myhost,log>
2228117	Missing SSP packet(s).		<opr,myhost,log>
2228118	An invalid SSP packet was sent.		<opr,myhost,log>
2228119	The SSP frame number is out of sequence.		<opr,myhost,log>
2228120	Illegal algorithm number, only 11 to 15 are valid algorithm numbers.		<opr,myhost,log>
2228121	The specified algorithm does not exist.		<opr,myhost,log>
2228122	Autopause inconsistency.		<opr,myhost,log>
2228123	Insufficient TPS memory available.		<opr,myhost,log>
2228124	The feeder task has failed to start.		<opr,myhost,log>
2228125	Scan already in progress.		<opr,myhost,log>
2228126	Feeder has reached an unknown state and is shutting down.		<opr,myhost,log>
2228127	SSP interrupt disabled unexpectedly.		<opr,myhost,log>
2228128	SSP interrupts enabled unexpectedly.		<opr,myhost,log>
2228129	Insufficient number of SSP packets, an EOS packet was expected.		<opr,myhost,log>
2228130	SSP buffer overflow, packet is greater than 30 words.		<opr,myhost,log>
2228131	Feeder data validation failed.		<opr,myhost,log>
2228132	Feeder did not complete successfully, Please Retry.		<opr,myhost,log>
2228133	CM_Send failed.		<opr,myhost,log>
2228134	CM_Receive failed.		<opr,myhost,log>
2228135	CM_Define failed.		<opr,myhost,log>
2228136	The RDBM Close function returned the following error: %d.		<opr,myhost,log>
2228137	The RDBM Read Header function returned the following error: %d.		<opr,myhost,log>
2228138	The RDBM Open function returned the following error: %d.		<opr,myhost,log>
2228139	The RDBM Read function returned the following error: %d.		<opr,myhost,log>
2228140	The RDBM Unlock function returned the following error: %d.		<opr,myhost,log>
2228141	Please download TPS.		<opr,myhost,log>
2228142	Unexpected packet received from %s with opcode = %d.		<opr,myhost,log>
2228143	The function tc_stage_exist returned the following error: %d.		<opr,myhost,log>
2228144	The function cm_rec returned the following error: %d.		<opr,myhost,log>
2228145	The function cm_send returned the following error: %d.		<opr,myhost,log>
2228146	The function cm_lookup returned the following error: %d.		<opr,myhost,log>
2228147	The RDBM ClearDB function returned the following error: %d.		<opr,myhost,log>
2228148	Spawn failed.		<opr,myhost,log>
2228149	Insufficient TPS memory available.		<opr,myhost,log>
2228150	Invalid AP ID.		<opr,myhost,log>
2228151	Download TPS.		<opr,myhost,log>
2228152	AP Error.		<opr,myhost,log>
2228153	The argument value is out of range.		<opr,myhost,log>
2228154	Feeder failure in call to Receiver Drivers - File open failure.		<opr,myhost,log>
2228155	Feeder failure in call to Receiver Drivers - File read failure.		<opr,myhost,log>
2228156	Feeder failure in call to Receiver Drivers - File unex error.		<opr,myhost,log>
2228157	Feeder failure in call to Receiver Drivers - File seek failure.		<opr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2228158	Feeder failure in call to Receiver Drivers - File header checksum error.		<opr,myhost,log>
2228159	Feeder failure in call to Receiver Drivers - File header length error.		<opr,myhost,log>
2228160	Feeder failure in call to Receiver Drivers - File length error.		<opr,myhost,log>
2228161	Feeder failure in call to Receiver Drivers - File revision number error.		<opr,myhost,log>
2228162	Feeder failure in call to Receiver Drivers - File magic number error.		<opr,myhost,log>
2228163	Feeder failure in call to Receiver Drivers - memory allocation error.		<opr,myhost,log>
2228164	Feeder timed out waiting for Receiver preprocessor frame completion.		<opr,myhost,log>
2228165	Feeder failure indicated in preprocessor error status (queue overflow).		<opr,myhost,log>
2228166	Feeder failure indicated in preprocessor error status (dacq intrpt).		<opr,myhost,log>
2228167	Feeder failure indicated in preprocessor error status (no filter selected).		<opr,myhost,log>
2228168	Feeder failure indicated in preprocessor error status (no barrel shift selected).		<opr,myhost,log>
2228169	Feeder failure indicated in preprocessor error status (frame boundary error).		<opr,myhost,log>
2228170	Feeder failure indicated in preprocessor error status (illegal overlap).		<opr,myhost,log>
2228171	Feeder failure indicated in preprocessor error status (I channel FIFO overrun).		<opr,myhost,log>
2228172	Feeder failure indicated in preprocessor error status (Q channel FIFO overrun).		<opr,myhost,log>
2228173	Feeder failure indicated in preprocessor error status (algorithm init failure).		<opr,myhost,log>
2228174	Feeder failure indicated in preprocessor error status (algorithm end-of-frame failure).		<opr,myhost,log>
2228175	Feeder failure indicated in preprocessor error status (invalid algorithm number).		<opr,myhost,log>
2228176	Feeder failure - receiver preprocessor download failure.		<opr,myhost,log>
2228177	Feeder failure - algorithm 9 initialization failure.		<opr,myhost,log>
2228178	The function cm_define returned the following error : %d.		<opr,myhost,log>
2228179	TPS detected NSP (host) timeout and terminated any scan in progress.		<opr,myhost,log>
2228210	Tardis Server received an unrecognized communications opcode.		<opr,myhost,log>
2228211	GAPI library command cannot be executed in current mode. The command is ignored.		<opr,myhost,log>
2228212	Dynamic memory segment in GAPI cannot be freed since it was not allocated by this GAPI process.		<opr,myhost,log>
2228213	GAPI cannot lose GAPI address. It must be freed using GAPI.		<opr,myhost,log>
2228214	GAPI Address is out of range. All GAPI addresses must be within a defined GAPI address segment.		<opr,myhost,log>
2228215	GAPI Address segment overlapped at least one previously defined segment. The new segment is defined, the old overlapped address was freed.		<opr,myhost,log>
2228216	A GAPI process attempt at a isys_pname system call failed.		<opr,myhost,log>
2228217	GAPI failed to initialize or run_ap. AP may be in use by another process.		<opr,myhost,log>
2228218	GAPI communications received unrecognized opcode.		<opr,myhost,log>
2228219	GAPI library received a request from a processid which did not match the expected PID.		<opr,myhost,log>
2228220	GAPI -- A MALLOC (memory alloc) call by GAPI has failed.		<opr,myhost,log>
2228221	GAPI was asked to run an invalid function (one GAPI does not know about).		<opr,myhost,log>
2228222	An error occurred during GAPI processing of AP function calls.		<opr,myhost,log>
2228223	Invalid GAPI format for EXPUT/EXGET conversion specified in program.		<opr,myhost,log>
2228224	GAPI encountered a communications manager error which will probably result in failure of the GAPI program.		<opr,myhost,log>
2228710	Failed in cm_lookup function.		<log,myhost,svr>
2228711	looping need to be stopped before excuting AutoShim.		<log,myhost,svr>
2228712	AutoShim failed. BAM allocation failed.		<log,myhost,svr>
2228713	BAM de-allocation failed.		<log,myhost,svr>
2228714	VME address conversion error.		<log,myhost,svr>
2228715	Failed to set R1 and R2.		<log,myhost,svr>
2228716	Failed to open the image file.		<log,myhost,svr>
2228717	Error when write to the image file.		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2228718	Failed in cm_rec().		<log,myhost,svr>
2228719	Failed in cm_send().		<log,myhost,svr>
2228720	Failed in cm_build_header().		<log,myhost,svr>
2228721	Point_size is not for extended dynamic range.		<log,myhost,svr>
2228722	Algorithm encountered Zero determinant.		<log,myhost,svr>
2228723	AutoShim analysis failed.		<log,myhost,svr>
2228724	Fail to send done packet.		<log,myhost,svr>
2228725	Expecting pass 2, but get pass 1 request.		<log,myhost,svr>
2228726	Autoshim failed to start scan.		<log,myhost,svr>
2228727	Asynchronous stop scan.		<log,myhost,svr>
2228728	Autoshim encountered Data Acquisition error.		<log,myhost,svr>
2228729	Autoshim failed in Fermi filter creation.		<log,myhost,svr>
2228730	TPS unable to communicate with the host computer. Please re-boot the TPS.\nSend software code = %9d		<opr,myhost,log>
2228810	Internal software error. Cancel detected. Caller should not log this.		<myhost,prg,log>
2228811	Failed to create a ready packet.		<myhost,prg,log>
2228812	Failed to send the ready packet.		<myhost,prg,log>
2228813	Failed to create the iamge allocated packet.		<myhost,prg,log>
2228814	Failed to send the image allocated packet.		<myhost,prg,log>
2228815	Failed to create the start scan packet.		<myhost,prg,log>
2228816	Failed to send the start scan packet.		<myhost,prg,log>
2228817	Failed to create the stop scan packet.		<myhost,prg,log>
2228818	Failed to send the stop scan packet.		<myhost,prg,log>
2228819	An invalid packet status in the response packet.		<myhost,prg,log>
2228820	The response to a packet did not arrive within the timeout.		<myhost,prg,log>
2228821	The response to a packet did not arrive within the timeout.		<myhost,prg,log>
2228822	Neither the recon stop nor the scan stop packects arrived.		<myhost,prg,log>
2228823	The scan stop packet did not arrive.		<myhost,prg,log>
2228824	The recon stop packet did not arrive.		<myhost,prg,log>
2228825	Internal software error. An invalid response time out registered.		<myhost,prg,log>
2228826	Internal software error. An invalid recon time out registered.		<myhost,prg,log>
2228827	Unknown status on the response or request packet.		<myhost,prg,log>
2228828	TPS reset occured in the middle of the SARR/recon protocol.		<myhost,prg,log>
2228829	TPS is not responding. Could not start the SARR/recon protocol.		<myhost,prg,log>
2229110	The filter specified can not be represented in 16-bit coefficients.\n\ TPS real time filter generation failed.		<log,myhost,svr>
2229111	Specified filter indata is incorrect.\n\ TPS real time filter generation failed.		<log,myhost,opr>
2229112	Filter download failure reported by receiver.\n\ TPS real time filter generation failed.		<log,myhost,opr>
2229113	Filter parameter block variable out of range; Filter slot = %d.\n\ Valid range for real time filter slot is [%1d,%1d].		<log,myhost,opr>
2229114	Filter parameter block variable out of range; Number of taps = %d.\n\ Valid range for number of taps is [%1d,%3d].		<log,myhost,opr>
2229115	Filter parameter block variable out of range; Decimation number = %d.\n\ Valid range for decimation number is [%1d,%3d].		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2229116	Filter parameter block variable out of range; No. of outputs = %d.\n Valid range for number of outputs is [%d,%d].		<log,myhost,opr>
2229117	Filter parameter block variable out of range; No. of prefills = %d.\n Valid range for number of prefills is [%1d,%3d].		<log,myhost,opr>
2229118	Filter parameter block variable out of range; No. of flush samples = %d.\n Valid range for number of flush samples is [%1d,%1d].		<log,myhost,opr>
2229119	Filter parameter block variable out of range; No. of taps flush = %d.\n Valid range for number of taps flush is [%1d,%1d].		<log,myhost,opr>
2229120	Filter parameter block variable out of range; No. of right shifts = %d.\n Valid range for number of right shifts is [%1d,%1d].		<log,myhost,opr>
2229121	Filter parameter block variable out of range; Alpha tune = %.3f.\n Valid range for alpha tune is [%f,%f].		<log,myhost,opr>
2229122	Filter parameter block variable out of range; Digital filter gain = %.3f.\n Valid range for digital filter gain is [%f,%f].		<log,myhost,opr>
2229123	Filter parameter block variable out of range; Picture window tuning = %.3f.\n Valid range for picture window tuning is [%f,%f].		<log,myhost,opr>
2229124	Filter parameter block variable out of range; Window tune = %.3f.\n Valid range for window tune is [%f,%f].		<log,myhost,opr>
2229125	Filter parameter block variable out of range; Filter frequency = %.3f.\n Valid range for filter frequency is [%f,%f].		<log,myhost,opr>
2231296	TPS Spectro initialization error.\n Unable to start session.		<log,myhost,svr>
2231297	TPS Spectro already in session.\n Unable to start another one		<log,myhost,svr>
2231298	TPS Spectro is not in session.\n Unable to start function		<log,myhost,svr>
2231299	TPS Spectro BAM Memory Allocation error.\n BAM manager error code = %9d		<log,myhost,svr>
2231300	TPS Spectro BAM Memory Deallocation error.\n BAM manager error code = %9d		<log,myhost,svr>
2231301	TPS Spectro got communication error.\n Communication manager error code = %9d		<log,myhost,svr>
2231302	TPS Spectro Data Acquisition error.		<log,myhost,svr>
2231303	TPS Spectro resources deallocation error		<log,myhost,svr>
2231304	TPS Spectro Memory Allocation error.		<log,myhost,svr>
2231305	TPS Spectro has no Array Processor available for use.		<log,myhost,svr>
2231306	TPS Spectro unable to start scan successfully. \n TPSSC error code = %9d		<log,myhost,svr>
2231307	TPS Spectro encountered scan error during acquisition. \n TPSSC error code = %9d		<log,myhost,svr>
2231308	TPS Spectro unable to stop scan successfully. \n TPSSC error code = %9d		<log,myhost,svr>
2231309	TPS Spectro encounters Array Processor error.		<log,myhost,svr>
2231310	TPS Spectro receives out of range control parameters.		<log,myhost,svr>
2231311	Internal software error.\nThere was an error in opening the sfr input file.		<myhost,log,prg>
2231312	Internal software error.\nThere was an error in closing to the sfr input file.		<myhost,log,prg>
2231313	Internal software error.\nThere was an error in writing to the sfr input file.		<myhost,log,prg>
2231314	There is no SFR defaults file.\nPlease select change sfr first.		<myhost,ioer,opr>
2231315	Internal software error.\nCould not open SFR output file to check ftp results.		<myhost,log,prg>
2231316	Attention: SFR process # %d completed with an error.\nNot connected or unknown host.		<myhost,pri5,opr>
2231317	Attention: SFR process # %d completed with an error.\nNo such file or directory.		<myhost,pri5,opr>
2231318	Attention: SFR process # %d completed with an error.\nUnknown user.		<myhost,pri5,opr>
2231319	Attention: SFR process # %d completed with an error.\nUser login failed.		<myhost,pri5,opr>
2231320	Attention: SFR process # %d completed with an error.\nUnknown error, see results file %s		<myhost,pri5,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2231321	Internal software error.\nCould not close sfr output file %s, errno=%d.		<myhost,log,prg>
2231322	An SFR process ended with an ERROR.\nSFR pid # %d encountered error.		<myhost,pri5,opr>
2231323	An SFR process completed OK.\nSFR pid # %d complete.		<myhost,pri5,opr>
2231324	Internal software error.\nCould not delete %s, bad pathname, errno=%d.		<myhost,log,prg>
2231325	Internal software error.\nCould not delete %s, file does not exist, errno=%d.		<myhost,log,prg>
2231326	Internal software error.\nCould not delete %s, permission denied, errno=%d.		<myhost,log,prg>
2231327	Internal software error.\nCould not delete %s, errno=%d.		<myhost,log,prg>
2232096	Internal Software Error.\nFailure in creating hostSpectroMgr object. Cannot continue.		<myhost,log,prg>
2232097	Internal Software Error.\nFailure in hostSpectroMgr->setupUIF().		<myhost,log,prg>
2232098	Internal Software Error.\nAn error occurred in initializing the X-application.		<myhost,log,prg>
2232099	Internal Software Error.\nFailure in creating hostSpectroCtrl object.		<myhost,log,prg>
2232100	Internal software error.\nAn error occured in mrmmail_init.		<myhost,log,prg>
2232101	Internal software error.\nAn error occured in creating the MrMail hwGetPkt.		<myhost,log,prg>
2232102	Internal software error.\nAn error occured in creating the MrMail pscModifyPkt.		<myhost,log,prg>
2232103	Internal software error.\nAn error occured in creating the MrMail saveXmtPkt.		<myhost,log,prg>
2232104	Internal software error.\nAn error occured in creating the MrMail restoreXmtPkt.		<myhost,log,prg>
2232105	Internal software error.\nAn error occured in creating the MrMail getGradShimPkt.		<myhost,log,prg>
2232106	Internal software error.\nAn error occured in creating the MrMail setGradShimPkt.		<myhost,log,prg>
2232107	Internal software error.\nAn error occured in creating the MrMail startAcqPkt.		<myhost,log,prg>
2232108	Internal Software Error.\nAn error occured in creating the MrMail changeConstPkt.		<myhost,log,prg>
2232109	Internal Software Error.\nAn error occured in creating the MrMail clearBuffPkt.		<myhost,log,prg>
2232110	Internal software error.\nAn error occured in creating the MrMail stopAcqPkt.		<myhost,log,prg>
2232111	Internal software error.\nAn error occured in creating the MrMail saveAcqPkt.		<myhost,log,prg>
2232112	Internal software error.\nAn error occured in creating the MrMail stopPkt.		<myhost,log,prg>
2232113	Internal software error.\nAn error occured in creating the MrMail cvDownloadPkt.		<myhost,log,prg>
2232114	Internal software error.\nmrmmailNotify() failed for op-code `%s`		<myhost,log,prg>
2232115	Internal software error.\nmrmmailEventNotify() failed for event `%s`		<myhost,log,prg>
2232116	Internal software error.\nmailRegInIt() failed (mrmmailNotify() for interfaces)		<myhost,log,prg>
2232117	Internal Software Error.\nAn error occurred in the constructor of SpPscIf.		<myhost,log,prg>
2232118	Internal Software Error.\nAn error occurred in the constructor of SpTpsIf.		<myhost,log,prg>
2232119	Internal Software Error.\nAn error occurred in the constructor of SpScanIf.		<myhost,log,prg>
2232120	Internal Software Error.\nAn error occured creating the CtrlCB objects.		<myhost,log,prg>
2232121	Internal software error.\nError in tn_init call, tn return val. = %d.		<myhost,log,prg>
2232122	Internal software error.\nFailure to connect to the PsdMgr for current psd.		<myhost,log,prg>
2232123	Illegal CV value type (not INTTYP, FLOATTYP, etc.).		<myhost,ioer,opr>
2232124	Illegal CV value entered. Put-cv failed.		<myhost,ioer,opr>
2232125	Illegal CV value entered.		<myhost,ioer,opr>
2232126	Illegal CV value for opuser2 (nucleus) entered.		<myhost,ioer,opr>
2232127	Internal Software Error.\nA get-CV request to PsdMgr failed.		<myhost,ioer,opr>
2232128	Internal Software Error.\nFailed in obtaining values for spectroscopy CVs.		<myhost,log,prg>
2232129	Internal Software Error.\nFailed to set a Cv because PsdMgr isn't connected.		<myhost,log,prg>
2232130	CV Download failed.\nSee spectro process log for detailed message.		<myhost,log,prg>
2232131	Error reported from Data Acquisition.\nTps reply to STOP not received within MrMail timeout.		<myhost,log,prg>
2232132	Spectro data acquisition stopped with an error.\nError reported from data acquisition = %b.		<myhost,opr,prg,log>
2232133	Error in receipt of Buffer Ready packet from TPS.\nNot in data acquisition state.		<myhost,log,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2232134	Internal Software Error.\nShim choice to update is invalid (isn't X, Y or Z).		<myhost,log,prg>
2232135	Internal software error.\nError reported in buffer ready packet.		<myhost,log,prg>
2232136	Internal Software Error.\nNULL OP_SPECTRO_START MrMail packet from scn.		<myhost,log,prg>
2232137	Internal Software Error.\nNULL buffer in OP_SPECTRO_START packet from scn.		<myhost,log,prg>
2232138	Internal Software Error.\nNULL OP_CV_DOWNLOAD_COMPLETE MrMail packet from scn.		<myhost,log,prg>
2232139	Internal Software Error.\nNULL buffer in OP_CV_DOWNLOAD_COMPLETE packet from scn.		<myhost,log,prg>
2232140	Internal Software Error.\nStartAcqResponse packet from TPS is NULL.		<myhost,log,prg>
2232141	Internal Software Error.\nStartAcqResponse buffer from TPS is NULL.		<myhost,log,prg>
2232142	Internal Software Error.\nStopAcqResponse packet from TPS is NULL.		<myhost,log,prg>
2232143	Internal Software Error.\nStopAcqResponse buffer from TPS is NULL.		<myhost,log,prg>
2232144	Internal Software Error.\ngotHwSettings packet from Prescan is NULL.		<myhost,log,prg>
2232145	Internal Software Error.\ngotHwSettings buffer from Prescan is NULL.		<myhost,log,prg>
2232146	Internal Software Error.\ngotGradShim packet from Prescan is NULL.		<myhost,log,prg>
2232147	Internal Software Error.\ngotGradShim buffer from Prescan is NULL.		<myhost,log,prg>
2232148	Internal Software Error.\nsetGradShim packet from Prescan is NULL.		<myhost,log,prg>
2232149	Internal Software Error.\nsetGradShim buffer from Prescan is NULL.		<myhost,log,prg>
2232150	Internal Software Error.\npscModify response packet from Prescan is NULL.		<myhost,log,prg>
2232151	Internal Software Error.\npscModify response buffer from Prescan is NULL.		<myhost,log,prg>
2232152	Internal Software Error.\nSave Xmt packet from Prescan is NULL.		<myhost,log,prg>
2232153	Internal Software Error.\nSave Xmt buffer from Prescan is NULL.		<myhost,log,prg>
2232154	Internal Software Error.\nRestore Xmt packet from Prescan is NULL.		<myhost,log,prg>
2232155	Internal Software Error.\nRestore Xmt buffer from Prescan is NULL.		<myhost,log,prg>
2232156	Internal Software Error.\nBuffer ready packet from TPS is NULL.		<myhost,log,prg>
2232157	Internal Software Error.\nBuffer ready buffer from TPS is NULL.		<myhost,log,prg>
2232158	Internal Software Error.\nChange constants packet from TPS is NULL.		<myhost,log,prg>
2232159	Internal Software Error.\nChange constants buffer from TPS is NULL.		<myhost,log,prg>
2232160	Internal Software Error.\nClear buffer response packet from TPS is NULL.		<myhost,log,prg>
2232161	Internal Software Error.\nClear buffer response buffer from TPS is NULL.		<myhost,log,prg>
2232162	Internal Software Error.\nSave spectro acquisition response packet from TPS is NULL.		<myhost,log,prg>
2232163	Internal Software Error.\nSave spectro acquisition response buffer from TPS is NULL.		<myhost,log,prg>
2232164	Internal software error.\nSpectro stopped response packet from Scan is NULL.		<myhost,log,prg>
2232165	Internal software error.\nMrMail send of %s packet failed.		<myhost,log,prg>
2232166	Internal software error.\nMrMail send of startSpAcq packet to TPS failed. Is TPS ok?		<myhost,log,opr>
2232167	Internal software error.\nMrMail send of stopSpAcq packet to TPS failed. Is TPS ok?		<myhost,log,opr>
2232168	Internal software error.\nMrMail send of getHwSettings packet to prescan failed.		<myhost,log,opr>
2232169	Internal software error.\nMrMail send of getGradShim packet to prescan failed.		<myhost,log,opr>
2232170	Internal software error.\nMrMail send of setGradShim packet to prescan failed.		<myhost,log,opr>
2232171	Internal software error.\nMrMail send of saveXmt packet to prescan failed.		<myhost,log,opr>
2232172	Internal software error.\nMrMail send of restoreXmt packet to prescan failed.		<myhost,log,opr>
2232173	Internal software error.\nMrMail send of pscModify packet to prescan failed.		<myhost,log,opr>
2232174	Internal software error.\nMrMail send of changeConstants packet to TPS failed.		<myhost,log,opr>
2232175	Internal software error.\nMrMail send of clearBuffer packet to TPS failed.		<myhost,log,opr>
2232176	Internal software error.\nMrMail send of saveAcquisition packet to TPS failed.		<myhost,log,opr>
2232177	Internal software error.\nMrMail send of cvDownload packet to Scan failed.		<myhost,log,opr>
2232178	Internal software error.\nMrMail send of spStoppedPkt packet to Scan failed.		<myhost,log,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2232179	Internal software error.\nMrMail reply to %s packet failed.		<myhost,log,prg>
2232180	Internal software error.\nRegistration for at least one CtrlCB failed.\nSee log for details.		<myhost,log,prg>
2232181	Start of the spectro msgBox pop-up-displayable messages		<myhost,log,prg>
2232182	A new landmark was set.\nPlease exit the Spectro Screen.		<myhost,log,opr>
2232183	Blank message		<myhost,log,prg>
2232184	Blank message		<myhost,log,prg>
2232185	Blank message		<myhost,log,prg>
2232186	Blank message		<myhost,log,prg>
2232187	Blank message		<myhost,log,prg>
2232188	Blank message		<myhost,log,prg>
2232189	Blank message		<myhost,log,prg>
2232190	Blank message		<myhost,log,prg>
2232191	Blank message		<myhost,log,prg>
2232192	Blank message		<myhost,log,prg>
2232193	End of the spectro msgBox pop-up-displayable messages		<myhost,log,prg>
2232194	Start of the application-screen-displayable messages		<myhost,log,prg>
2232195	Spectro Screen startup failed\nPlease exit the spectro screen		<myhost,log,opr>
2232196	Spectro Screen start acquisition failed\nSee log for more details		<myhost,log,opr>
2232197	Spectro Screen stop acquisition failed\nSee log for more details		<myhost,log,opr>
2232198	Spectro acquisition already in progress		<myhost,log,opr>
2232199	Spectro acquisition is not in progress\nso it cannot be stopped		<myhost,log,opr>
2232200	Spectro acquisition has started		<myhost,log,opr>
2232201	Spectro acquisition has stopped		<myhost,log,opr>
2232202	Save spectro data operation has failed		<myhost,log,opr>
2232203	Save functionality has not been implemented.		<myhost,log,opr>
2232204	Spectro acquisition data has been saved.		<myhost,log,prg>
2232205	Cannot read XrtData from file '%s'		<myhost,log,prg>
2232206	mps1 entry point forces use of the MPS filter.\nCurrent specwidth and specpts may not apply to mps1.		<myhost,ioer,opr>
2232207	Nuc cannot be changed during acquisition		<myhost,log,opr>
2232208	Blank message		<myhost,log,opr>
2232209	Blank message		<myhost,log,prg>
2232210	Blank message		<myhost,log,prg>
2232211	Blank message		<myhost,log,prg>
2232212	Blank message		<myhost,log,prg>
2232213	Blank message		<myhost,log,prg>
2232214	Blank message		<myhost,log,prg>
2232215	Blank message		<myhost,log,prg>
2232216	Blank message		<myhost,log,prg>
2232217	Blank message		<myhost,log,prg>
2232218	Blank message		<myhost,log,prg>
2232219	Blank message		<myhost,log,prg>
2232220	Blank message		<myhost,log,prg>
2232221	Blank message		<myhost,log,prg>
2232222	Blank message		<myhost,log,prg>
2232223	Blank message		<myhost,log,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2232224	Blank message		<myhost,log,prg>
2232225	End of the application-screen-displayable messages		<myhost,log,prg>
2232226	Error in finding p-file created by TPS. P-file for current run # doesn't exist.		<myhost,log,opr>
2232227	Error in renaming generic p-file created by TPS to p-file.spectra-number.		<myhost,log,opr>
2232600	EM_RDB_ALLOCATE_INIT_HEADER_FAILED\ RDBM inti alloc header failed.\n%s		<opr,myhost,log>
2232601	EM_RDB_ALLOC_MEMORY_FAILED\ RDBM alloc memory failed.\n%s		<opr,myhost,log>
2232602	EM_RDB_CREATE_HEADER_POOL_FAILED\ RDBM can not create HEADER_POOL.\n%s		<opr,myhost,log>
2232603	EM_RDB_CREATE_PASS_FILE_FAILED\ RDBM create pass file failed.\n%s		<opr,myhost,log>
2232604	EM_RDB_DATA_ALREADY_IN_BAM\ RDBM unlock data to BAM failed. Data already in BAM.\n%s		<opr,myhost,log>
2232605	EM_RDB_ECHO_OUT_OF_RANGE\ RDBM the echo parameter is out of range in the function call.\n%s		<opr,myhost,log>
2232606	EM_RDB_FCNTL_FAILED\ RDBM fcntl call returned error. Please check the tape device.\n%s		<opr,myhost,log>
2232607	EM_RDB_FRAME_NUMBER_TOO_LARGE\ RDBM requested frame exceed the number of frames in data.\n%s		<opr,myhost,log>
2232608	EM_RDB_FRAME_NUMBER_TOO_SMALL\ RDBM the nframe parameter is too small.\n%s		<opr,myhost,log>
2232609	EM_RDB_FRAME_OUT_OF_RANGE\ RDBM the nframe parameter is out of range.\n%s		<opr,myhost,log>
2232610	EM_RDB_GET_BAM_MEMORY_FAILED\ RDBM no BAM memory available.\n%s		<opr,myhost,log>
2232611	EM_RDB_HEADER_IS_ALREADY_LOCKED\ RDBM can not unlock header. Header in the header pool is\ already perm'ed.\n%s		<opr,myhost,log>
2232612	EM_RDB_HEADER_IS_NOT_UNLOCKED\ RDBM unlock data failed. Header has not been perm'ed.\n%s		<opr,myhost,log>
2232613	EM_RDB_HEADER_NONEXISTANCE\ RDBM raw data file/header does not exist.\n%s		<opr,myhost,log>
2232614	EM_RDB_HEADER_PERMED\ RDBM can not unlock from tape to BAM. Header is perm'ed\ by other process.\n%s		<opr,myhost,log>
2232615	EM_RDB_INCOMPATIBLE_HEADER\ RDBM unlock failed. Header in HEADER_POOL differs from header\ in raw data file.\n%s		<opr,myhost,log>
2232616	EM_RDB_INCORRECT_MODE\ RDBM calling rdb_shared_handler with wrong lock mode.\n%s		<opr,myhost,log>
2232617	EM_RDB_INVALID_BAM_MODIFIER\ RDBM BAM modifier is invalid.\n%s		<opr,myhost,log>
2232618	EM_RDB_INVALID_DATA\ RDBM data file in invalid.\n%s		<opr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2232619	EM_RDB_INVALID_DATA_TYPE\n\ RDBM the data type (NOREC, NOPROC) is not valid for this call.\n%s		<opr,myhost,log>
2232620	EM_RDB_INVALID_HEADER\n\ RDBM header can not be validated.\n%s		<opr,myhost,log>
2232621	EM_RDB_INVALID_LOCK_MODE\n\ RDBM attempt to lock raw data file with unknown lock mode.\n%s		<opr,myhost,log>
2232622	EM_RDB_INVALID_MODE\n\ RDBM invalid parameter for this call.\n%s		<opr,myhost,log>
2232623	EM_RDB_INVALID_PASS_FILE_NAME\n\ RDBM tape file has invalid name.\n\ Pass file name is of the from 'Pxxxx' \n\ where x's are digits.\n%s		<opr,myhost,log>
2232624	EM_RDB_IOCTL_BSF_FAILED\n\ RDBM tape device may not support back-space-file.\n%s		<opr,myhost,log>
2232625	EM_RDB_IOCTL_FSF_FAILED\n\ RDBM forward file on tape returned error.\n%s		<opr,myhost,log>
2232626	EM_RDB_IOCTL_GET_STATUS_FAILED\n\ RDBM get tape device status failed. Check the drive.\n%s		<opr,myhost,log>
2232627	EM_RDB_LOCK_HEADER_SECTION_FAILED\n\ RDBM block header failed\n%s		<opr,myhost,log>
2232628	EM_RDB_LOCK_SHARED_SECTION_FAILED\n\ RDBM access shared area in header pool failed\n\ reset TPS to clear header pool.\n%s		<opr,myhost,log>
2232629	EM_RDB_LSEEK_FAILED\n\ RDBM lseek system call returned an error.\n%s		<opr,myhost,log>
2232630	EM_RDB_MEMORY_FAILED\n\ RDBM allocate memory buffer failed.\n%s		<opr,myhost,log>
2232631	EM_RDB_MRMAIL_DEFINE_ID_FAILED\n\ RDBM define MrMail ID failed.\n%s		<opr,myhost,log>
2232632	EM_RDB_MRMAIL_LOOKUP_TPS_HSERV_FAILED\n\ RDBM can not communicate with tardis through MrMail.\n%s		<opr,myhost,log>
2232633	EM_RDB_NO_BAM_ADDR_IN_LOCKED_FILE\n\ RDBM can not get BAM address in locked raw file.\n%s		<opr,myhost,log>
2232634	EM_RDB_NO_HEADER_AVAILABLE\n\ RDBM allocate header failed. Unperm unlocked raw file(s).\n%s		<opr,myhost,log>
2232635	EM_RDB_NO_MRMAIL_RECIEVED\n\ RDBM get MrMail response from the host server failed.\n%s		<opr,myhost,log>
2232636	EM_RDB_OPCODE_OUT_OF_RANGE\n\ RDBM invalid operation code. \n%s		<opr,myhost,log>
2232637	EM_RDB_OPEN_HEADER_POOL_FAILED\n\ RDBM open header pool for read/write failed.\n%s		<opr,myhost,log>
2232638	EM_RDB_OPEN_LOCKED_FILE_FAILED\n\ RDBM open locked raw file for read/write failed.\n\ Check if link files are created for pass files.\n%s		<opr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2232639	EM_RDB_OPEN_PASS_FILE_FAILED\n\ RDBM open pass file failed.\n%s		<opr,myhost,log>
2232640	EM_RDB_OPEN_TAPE_DEVICE_FAILED\n\ RDBM can not open tape device.\n%s		<opr,myhost,log>
2232641	EM_RDB_PUT_HEADER_FAILED\n\ RDBM write header into the header pool failed.\n%s		<opr,myhost,log>
2232642	EM_RDB_RDBM_NOT_INITIALIZED\n\ RDBM init function must be called before making any other\n\ RDBM calls.\n%s		<opr,myhost,log>
2232643	EM_RDB_READ_DATA_FAILED\n\ RDBM read data failed.\n%s		<opr,myhost,log>
2232644	EM_RDB_READ_DATA_FROM_TAPE_FAILED\n\ RDBM can not read data from the tape.\n%s		<opr,myhost,log>
2232645	EM_RDB_READ_SHARED_SECTION_FAILED\n\ RDBM reading shared area failed.\n%s		<opr,myhost,log>
2232646	EM_RDB_READ_TAR_HEADER_FROM_TAPE_FAILED\n\ RDBM can not untar the file from the tape.\n%s		<opr,myhost,log>
2232647	EM_RDB_RECIEVER_OUT_OF_RANGE\n\ RDBM set reciever, reciever is out of range.\n%s		<opr,myhost,log>
2232648	EM_RDB_TAPE_NOT_INITIALIZED\n\ RDBM tape init function must be called before\n\ calling any tape access functions.\n%s		<opr,myhost,log>
2232649	EM_RDB_TAPE_NOT_READY\n\ RDBM tape device is not ready.\n%s		<opr,myhost,log>
2232650	EM_RDB_TAPE_NOT_READY_FOR_WRITING\n\ RDBM tape device is not ready.\n%s		<opr,myhost,log>
2232651	EM_RDB_TN_INIT_FAILED\n\ RDBM init tn failed.\n%s		<opr,myhost,log>
2232652	EM_RDB_TN_READ_FAILED\n\ RDBM tn read failed.\n%s		<opr,myhost,log>
2232653	EM_RDB_TN_WRITE_FAILED\n\ RDBM tn write failed.\n%s		<opr,myhost,log>
2232654	EM_RDB_UNKNOWN_HEADER_SECTION\n%s		<opr,myhost,log>
2232655	EM_RDB_UNKNOWN_ORDER\n\ RDBM unknown order. (PHASE_ORDERED = 0 or TIME_ORDERED = 1)\n%s		<opr,myhost,log>
2232656	EM_RDB_UNLOCK_HEADER_SECTION_FAILED\n\ RDBM unlock header section failed.\n%s		<opr,myhost,log>
2232657	EM_RDB_UNLOCK_SHARED_SECTION_FAILED\n\ RDBM unlock sheared area failed.\n%s		<opr,myhost,log>
2232658	EM_RDB_VIEW_OUT_OF_RANGE\n\ RDBM the view parameter is out of range in function calls.\n%s		<opr,myhost,log>
2232659	EM_RDB_WRITE_DATA_FAILED\n\ RDBM write data failed.\n%s		<opr,myhost,log>
2232660	EM_RDB_WRITE_END_OF_TAPE_FAILED\n\ RDBM write end-of-file mark(s) on tape failed.\n%s		<opr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2232661	EM_RDB_WRITE_SHARED_SECTION_FAILED\n\ RDBM write to shared area failed.\n%s		<opr,myhost,log>
2232662	EM_RDB_WRITE_TAR_HEADER_TO_TAPE_FAILED\n\ RDBM write tar header to tape failed.\n%s		<opr,myhost,log>
2232663	EM_RDB_WRITE_TO_TAPE_FAILED\n\ RDBM write to tape failed. Check the tape device.\n%s		<opr,myhost,log>
2232664	EM_RDB_INIT_FRAME_INDEX_FAILED\n\ RDBM init frame index for NO_PROC data failed.\n%s		<opr,myhost,log>
2232896	Unexpected (asynchronous) interrupt, %b: vector %d, interrupt level %d, pc 0x%x, sr 0x%x		<log,myhost,opr>
2232897	Processor Exception Frame, %b: vector %d, interrupt level %d\n current pc 0x%x, sr 0x%x, task name %s		<log,myhost,opr>
2232898	Processor Exception Frame, %b: vector %d, interrupt level %d\n current pc 0x%x, sr 0x%x, task name %s\n additional information in </usr/g/servi		<log,myhost,opr>
2232899	Processor Exception Frame, %b: vector %d, interrupt level %d\n current pc 0x%x, sr 0x%x, task name %s, fault address 0x%x		<log,myhost,opr>
2232900	Processor Exception Frame, %b: vector %d, interrupt level %d\n current pc 0x%x, sr 0x%x, task name %s, fault address 0x%x\n additional inform		<log,myhost,opr>
2232901	Processor Exception Frame, %b: vector %d, interrupt level %d\n current pc 0x%x, sr 0x%x, task name %s, fault address 0x%x, fault status 0x%x		<log,myhost,opr>
2232902	Processor Exception Frame, %b: vector %d, interrupt level %d\n current pc 0x%x, sr 0x%x, task name %s, fault address 0x%x, fault status 0x%x		<log,myhost,opr>
2232903	User Interrupt Vector Range		<log,myhost,opr>
2232904	Illegal Vector		<log,myhost,opr>
2232905	Illegal Vector		<log,myhost,opr>
2232906	Bus Error		<log,myhost,opr>
2232907	Address Error		<log,myhost,opr>
2232908	Illegal Instruction		<log,myhost,opr>
2232909	Divide By Zero		<log,myhost,opr>
2232910	CHK Instruction Trap		<log,myhost,opr>
2232911	TRAP Instruction Trap		<log,myhost,opr>
2232912	TRACE Instruction Trap		<log,myhost,opr>
2232913	Line 1010 Trap Emulation		<log,myhost,opr>
2232914	Line 1111 Trap Emulation		<log,myhost,opr>
2232915	Reserved Exception Vector		<log,myhost,opr>
2232916	Coprocessor Protocol Violation		<log,myhost,opr>
2232917	Exception Frame Format Error		<log,myhost,opr>
2232918	Uninitialized Interrupter Vector		<log,myhost,opr>
2232919	Reserved Exception Vector		<log,myhost,opr>
2232920	Reserved Exception Vector		<log,myhost,opr>
2232921	Reserved Exception Vector		<log,myhost,opr>
2232922	Reserved Exception Vector		<log,myhost,opr>
2232923	Reserved Exception Vector		<log,myhost,opr>
2232924	Reserved Exception Vector		<log,myhost,opr>
2232925	Reserved Exception Vector		<log,myhost,opr>
2232926	Reserved Exception Vector		<log,myhost,opr>
2232927	Spurious Interrupt		<log,myhost,opr>
2232928	Autovector Level 1		<log,myhost,opr>
2232929	Autovector Level 2		<log,myhost,opr>
2232930	Autovector Level 3		<log,myhost,opr>
2232931	Autovector Level 4		<log,myhost,opr>
2232932	Autovector Level 5		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2232933	Autovector Level 6		<log,myhost,opr>
2232934	Autovector Level 7		<log,myhost,opr>
2232935	Trap 0 Vector		<log,myhost,opr>
2232936	Trap 1 Vector		<log,myhost,opr>
2232937	Trap 2 Vector		<log,myhost,opr>
2232938	Trap 3 Vector		<log,myhost,opr>
2232939	Trap 4 Vector		<log,myhost,opr>
2232940	Trap 5 Vector		<log,myhost,opr>
2232941	Trap 6 Vector		<log,myhost,opr>
2232942	Trap 7 Vector		<log,myhost,opr>
2232943	Trap 8 Vector		<log,myhost,opr>
2232944	Trap 9 Vector		<log,myhost,opr>
2232945	Trap 10 Vector		<log,myhost,opr>
2232946	Trap 11 Vector		<log,myhost,opr>
2232947	Trap 12 Vector		<log,myhost,opr>
2232948	Trap 13 Vector		<log,myhost,opr>
2232949	Trap 14 Vector		<log,myhost,opr>
2232950	Trap 15 Vector		<log,myhost,opr>
2232951	Floating Point BSU Error		<log,myhost,opr>
2232952	Floating Point Inexact Result		<log,myhost,opr>
2232953	Floating Point Divide By Zero		<log,myhost,opr>
2232954	Floating Point Underflow		<log,myhost,opr>
2232955	Floating Point Operand Error		<log,myhost,opr>
2232956	Floating Point Overflow		<log,myhost,opr>
2232957	Floating Point Signal Not-A-Number		<log,myhost,opr>
2232958	Floating Point Unimplemented Data Type		<log,myhost,opr>
2232959	MMU Configuration Error		<log,myhost,opr>
2232960	MMU Illegal Operation		<log,myhost,opr>
2232961	MMU Access Level Violation		<log,myhost,opr>
2232962	Reserved Exception Vector		<log,myhost,opr>
2232963	Reserved Exception Vector		<log,myhost,opr>
2232964	Reserved Exception Vector		<log,myhost,opr>
2232965	Reserved Exception Vector		<log,myhost,opr>
2232966	Reserved Exception Vector		<log,myhost,opr>
2233296	CERD NETWORK ERROR\ A CERD network call has been issued from a TPS Interrupt Service Routine.\ This is not allowed. Possible software error.		<log,myhost,prg>
2233297	CERD NETWORK ERROR\ A CERD network call has been issued with an invalid network source ID.\ Possible software error.\ Bad source ID = %d		<log,myhost,prg>
2233298	CERD NETWORK ERROR\ A CERD network call has been issued with an invalid network destination ID.\ Possible software error.\ Bad destination ID = %d		<log,myhost,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2233299	CERD NETWORK ERROR\n\nA CERD network call has been issued with an invalid parameter length.\n\nPossible software error.\n\nSpecified length = %d\n\nMaximum allowed = %d		<log,myhost,prg>
2233300	CERD NETWORK ERROR\n\nA CERD network call has been issued that expects a response but no\n\nresponse queue exists for the specified network source ID. Possible\n\nTPS software initialization failure. TPS Reset may be required.\n\nSource ID = %d		<log,myhost,prg>
2233301	CERD NETWORK ERROR\n\nA CERD network call has specified a network destination ID that is not\n\nCapable of receiving packets and/or cannot be reached from this network\n\ndevice. Possible TPS software initialization error.\n\nDestination ID = %d		<log,myhost,prg>
2233302	CERD NETWORK ERROR\n\nUnable to retrieve a queued packet because the caller's buffer is\n\ntoo small. The packet was discarded. Possible software error.\n\nNeeded buf size = %d\n\nCaller's buf size = %d\n\nNetwork ID of queue = %d\n\nSenders ID = %d\n\nOpcode = %d		<log,myhost,prg>
2233303	CERD NETWORK ERROR\n\nUnable to retrieve a response packet because the caller's buffer is\n\ntoo small. Possible software error.\n\nRequired buffer size = %d\n\nCaller's buffer size = %d\n\nNetwork ID of queue = %d		<log,myhost,prg>
2233304	CERD NETWORK ERROR\n\nUnable to retrieve data in Dual Port RAM because the caller's buffer is\n\ntoo small. Possible software error.\n\nCaller's buffer size = %d\n\nRequired buffer size = %d		<log,myhost,prg>
2233305	CERD NETWORK ERROR\n\nUnable to store caller's data in Dual Port RAM because the data is too big.\n\nPossible software error.\n\nSpecified data size = %d\n\nMaximum allowed = %d		<log,myhost,prg>
2233306	CERD NETWORK ERROR\n\nA network routing error has occurred. A network device has received a\n\npacket that should not have arrived there. Possible software error.\n\nDestination ID = %d		<log,myhost,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2233307	CERD NETWORK ERROR\n\nA task or Interrupt Service Routine has received an invalid network opcode.\n\nPossible software error.\n\nOpcode = %d		<log,myhost,prg>
2233308	CERD NETWORK ERROR\n\nUnable to send a network packet from TPS because the Dual Port RAM is not\n\navailable for use. Reset and/or power-cycle the TPS chassis. The following\n\npacket was not sent:\n\nSource ID = %d\n\nDest ID = %d\n\nOpcode = %d		<log,myhost,svr>
2233309	CERD NETWORK ERROR\n\nA CERD network call has been issued to check for network packets in a\n\nnetwork queue that does not exist. Possible software error.\n\nNetwork ID of queue = %d		<log,myhost,prg>
2233310	CERD NETWORK ERROR\n\nThe CERD network has encountered a full network packet queue.\n\nThe network packet has been discarded. Possible software error.\n\nPossible solution: increase queue size.\n\nNetwork ID of queue = %d		<log,myhost,svr>
2233311	CERD NETWORK ERROR\n\nThe TPS has placed a packet in DPR for the CAP to take, but the CAP\n\nhas completely ignored it. The CERD DPR may be broke or (most likely)\n\nthe network software is not running on the CAP. Reset and/or power-cycle\n\nthe TPS chassis.		<log,myhost,svr>
2233312	CERD NETWORK ERROR\n\nThe CAP has responded to a network packet transaction with the TPS but\n\nthe response is invalid. The network software on the CAP is probably\n\nnot running. Reset and/or power-cycle the TPS chassis.		<log,myhost,svr>
2233313	CERD NETWORK ERROR\n\nCERD network initialization has failed (from the TPS side) because\n\nthe CERD board is not detected in the TPS chassis. Check that the\n\nCERD board is installed. Run CERD diags.		<log,myhost,svr>
2233314	CERD NETWORK ERROR\n\nCERD network initialization has failed (from the TPS side) because\n\na failure occurred when the CERD interrupt handler was connected.\n\nReset TPS and try again.		<log,myhost,svr>
2233315	CERD NETWORK ERROR\n\nCERD network timed out waiting for response packet. Network or\n\napplication code error, please reset TPS.\n\nNetwork ID of response queue = %d		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2233316	CERD NETWORK ERROR\n\nA bus error occurred in the TPS interrupt handler for the CERD VME DPR.\n\nA CERD network packet header was being retrieved from DPR at the time.\n\nReset and redownload the TPS.\n\nVME access addr: %08xH		<log,myhost,svr>
2233317	CERD NETWORK ERROR\n\nA bus error occurred in the TPS interrupt handler for the CERD VME DPR.\n\nA CERD network packet was being retrieved from DPR and being placed in\n\na response queue at the time. Reset and redownload the TPS.		<log,myhost,svr>
2233318	CERD NETWORK ERROR\n\nA bus error occurred in the TPS interrupt handler for the CERD VME DPR.\n\nThe TPS was accessing one of the CERD VME DPR hardware semaphore registers\n\nwhen the bus error occurred. Reset and redownload the TPS.		<log,myhost,svr>
2233319	CERD NETWORK ERROR\n\nA bus error occurred in the TPS interrupt handler for the CERD VME DPR.\n\nA CERD network packet was being retrieved from DPR and being placed in\n\na packet queue at the time. Reset and redownload the TPS.		<log,myhost,svr>
2233320	CERD NETWORK ERROR\n\nA bus error occurred in the TPS interrupt handler for the CERD VME DPR.\n\nA CERD network response packet was being loaded into DPR at the time.\n\nReset and redownload the TPS.\n\nVME access addr: %08xH		<log,myhost,svr>
2233321	CERD NETWORK ERROR\n\nA bus error occurred in the TPS interrupt handler for the CERD VME DPR.\n\nNo additional VME access information was available. Reset and redownload\n\nthe TPS.		<log,myhost,svr>
2233322	CERD NETWORK ERROR - Additional Information\n\nThe last packet to be sent via CERD DPR is listed below. This is the packet\n\nthat may have failed to release the DPR for others to use.\n\nSource ID = %d\n\nDest ID = %d\n\nOpcode = %d		<log,myhost,svr>
2233323	CERD NETWORK ERROR\n\nThe TPS has placed a packet in DPR for the CAP to take. The CAP appears\n\nto have started processing it, but has failed to finish processing it.\n\nThe TPS has timed out as a result. Reset and/or the power-cycle the TPS chassis.		<log,myhost,svr>
2233324	TPS SOFTWARE ERROR\n\nA call was made to cerd_net_send_cmd before cerd_net_init had completed.		<log,myhost,svr>
2233396	The Frame Data Buffer Queue has overflowed. May need a longer\n\nTR time, or more time between echoes. \n\nPlease restart scan.		<log,myhost,opr>
2233397	The DMA transfer for AIME QOUT memory to CAP local storage has\n\nnot completed in time to transfer next segment. May need \n\nmore time between echoes.\n\nPlease restart scan.		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2233398	All CAP data acq.processing queue elements are busy.\n Could not process next segment. May need more time between echoes.\n Please restart scan.		<log,myhost,opr>
2233399	VSB Transfer to BAM image memory resulted in Parity Error.\n Parity error VSB address: %#x\n Data in BAM may be corrupted.\n Please restart scan.\n If error persists, run diagnostics and check BAM.		<log,myhost,opr>
2233400	An SSP packet with an incorrect device code <%d> was received by the CAP. \n \n Please restart scan.		<log,myhost,opr>
2233401	An SSP packet with an incorrect opcode <%d> was received by the CAP.\n Please restart scan.		<log,myhost,opr>
2233402	An SSP packet with the expected Device-Opcode Tag word combination <0110>\n did not arrive at the CAP. Device <%x> and Opcode <%x> were received. \n Please restart scan.		<log,myhost,opr>
2233403	SSP FIFO to CAP data acq. has overflowed. Most likely data has been lost.\n Please restart scan.		<log,myhost,opr>
2233404	VSB Transfer not completed before next transfer scheduled.\n Unsuccessful VSB address: 0x%x.\n RTB index and #RTBs: 0x%x.\n # BACQS per Interval and Scan: 0x%x.\n # Arrythmias and Cine pkts: 0x%x.\n # VSB xfers and SSP pkts : 0x%x.\n Please restart scan.		<log,myhost,opr>
2233405	CAP Data Acquisition has overrun the CINE Real Time Buffers. \n Recon has not cleared the flags, or is still busy processing buffers		<log,myhost,opr>
2233406	CAP CINE Data Acquisition has accumulated a different number of \n of frames than the PSD has requested over the SSP bus. \n Please restart scan.		<log,myhost,opr>
2233407	Slice value of %d received by programmable SSP is less than zero \n or larger than %d, the expected number of slices.		<log,myhost,opr>
2233408	Echo value of %d received by programmable SSP is less than zero \n or larger than %d, the expected number of echoes.		<log,myhost,opr>
2233409	View value of %d received by programmable SSP is less than zero \n or larger than %d, the expected number of views.		<log,myhost,opr>
2233410	CAP data acquisition timed out waiting for segment ready interrupt \n Please check scan protocol and re-start scan.		<log,myhost,opr>
2233411	An unexpected CERD Network packet was received by CAP Data Acquisition\n during acquisition.\n The unexpected opcode is %d.		<log,myhost,opr>
2233412	A request for calibration of an invalid number of receivers was detected.\nNumber of receivers =%d, only 1 and 4 supported.\n Likely programming error, calibration aborted.		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2233413	A calibration request for an invalid number of points detected.\n The number of points requested (%d) is too large.\n Likely programming or network error, calibration aborted.		<log,myhost,prg>
2233414	Calibration acquisition did not complete - timeout detected.\n Please reset tps!		<log,myhost,opr>
2233415	Error detected during A/D converter calibration - C40 hardware timer\ 1 is not running.\n Likely programmer error, please reset tps!		<log,myhost,opr>
2233416	Invalid Receiver selected for XD Bus Broadcast to SPU. \n\ Likely programmer error, please reset tps!		<log,myhost,opr>
2233417	TR is too long relative to heart rate, image quality may suffer.		<pri6,myhost,opr>
2233418	Error detected during initialization of CAP feeder due to exceeding\ waveform size over the pre-allocated waveform data storage array\ echo count/2 = %d, MAX half-waveform size = %d		<pri6,myhost,prg>
2233419	Data collected from the fast receiver has overranged.\n Scan will continue!		<log,myhost,opr>
2233420	Data from the fast receiver has overflowed the data acq. task\ Please re-try scan at lower bandwidth!		<log,myhost,opr>
2233421	There are more EBUFFERS than DMA control structures\ EPI will not work correctly. Check ca_dacqgb.h		<log,myhost,prg>
2233422	An XD bus data frame interrupt occurred before a begin acq interrupt.\n Num begin acqs = %d, XD xfers = %d, Hyperscan pkts = %d.\n State of IIF register = 0x%8x. Please verify Fast receiver \n\ setup by running Scan TR in Manual Prescan.		<log,myhost,prg>
2233423	CERD Internal Software Error - The receiver map (%d) did not correspond\ to the #channels selected (%d) for a %d-channel acquisition.		<log,myhost,prg>
2233424	There is not enough CAP SRAM for ebuffers, this version of CERD can't\ handle %d echo length scan, the maximum echo length is %d, please\ rescribe the scan		<log,myhost,prg>
2233425	The 3D Pass Done Buffer Queue has overflowed. May need a longer\ TR time, or more time between echoes. \n\ Please restart scan.		<log,myhost,opr>
2233596	This R1 analog gain value %d for receiver %d is not within valid range .\n\ Internal software error. Please reset the TPS.		<log,myhost,prg>
2233597	A write was attempted while the hold off lssp writes bit was set.\n\ Please reset the TPS.		<log,myhost,prg>
2233598	An invalid receiver number %d was used. Internal software error.\n\ Please reset the TPS.		<log,myhost,prg>
2233599	A bad state was used internally. The state should be 0 or 1.\n\ Please reset the TPS.		<log,myhost,prg>
2233600	An invalid coil number %d was used internally. Please reset TPS.\n\ Please reset the TPS.		<log,myhost,prg>
2233601	The maximum barrel shift was exceeded. Internal software error.\n\ Please reset the TPS.		<log,myhost,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2233602	Filter value %d is not in the valid range. Internal software error.\n>Please reset the TPS.		<log,myhost,svr>
2233603	Digital filter command %d is not in the valid range.\nInternal software error. Please reset the TPS.		<log,myhost,svr>
2233604	Unknown magnet field strength %d. Internal software error.\n>Please reset the TPS.		<log,myhost,svr>
2233605	Center Frequency %d is not in the valid range for this field strength.\nPossible mismatch between system config file and CERD field strength\ register (code = %d).\nPossible internal software error. Please reset TPS.		<log,myhost,svr>
2233606	The slice frequency %d is not in the valid range.\nInternal software error. Please reset the TPS.		<log,myhost,svr>
2233607	The attenuation %d is not in the valid range.\nInternal software error. Please reset the TPS.		<log,myhost,svr>
2233608	The frequency %d is not in the valid rho dds freq range.\nInternal software error. Please reset the TPS.		<log,myhost,svr>
2233609	The phase %d is not in the valid dds phase range.\nInternal software error. Please reset the TPS.		<log,myhost,svr>
2233610	The amplitude %d is not in the valid dds amplitude range.\nInternal software error. Please reset the TPS.		<log,myhost,svr>
2233611	The source %d is not in the valid dds amplitude range.\nInternal software error. Please reset the TPS.		<log,myhost,svr>
2233612	The theta %d is not in the valid range.\nInternal software error. Please reset the TPS.		<log,myhost,svr>
2233613	An error occurred while trying to set the unblank register.\nInternal software error. Please reset the TPS.		<log,myhost,svr>
2233614	An error occurred while attempting to set the ssp lock bit.\nInternal software error. Please reset the TPS.		<log,myhost,svr>
2233615	The CERD detected and unrecognized opcode in a command from TPS.\nThe unrecognized opcode is %d.\nLikely TPS programming error or possibly faulty CERD VME DPR.		<log,myhost,svr>
2233616	An error occurred while attempting to set TG, R1, or R2.\nInternal software error. Please reset the TPS.		<log,myhost,svr>
2233617	An error occurred while attempting to synchronously set TG, R1, & R2.\nInternal software error. Please reset the TPS.		<log,myhost,svr>
2233618	An error occurred while attempting read TIC memory.\nInternal software error. Please reset the TPS.		<log,myhost,svr>
2233619	An error occurred while attempting write to TIC memory.\nInternal software error. Please reset the TPS.		<log,myhost,svr>
2233620	The A/D converter has not had ample time to warmup.\nThreshold value in MR Config file greater than A/D on time.		<log,myhost,svr>
2233621	The preamp has not had ample time to warmup.\nThreshold value in MR Config file greater than A/D on time.		<log,myhost,svr>
2233622	The ovenized oscillator has not had ample time to warmup.\nThreshold value in MR Config file greater than A/D on time.		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2233623	Advisory message: RF output on the CERD Exciter is disabled.\n For proper operation enable RF output switch.		<log,myhost,svr>
2234096	The filter specified can not be represented in 16-bit coefficients.\n TPS real time filter generation failed.\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,svr>
2234097	Specified filter indata is incorrect.\n TPS real time filter generation failed.\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234098	Filter download failure reported by receiver.\n TPS real time filter generation failed.\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234099	Filter parameter block variable out of range; Filter slot = %d.\n Valid range for real time filter slot is [%1d,%1d].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234100	Filter parameter block variable out of range; Number of taps = %d.\n Valid range for number of taps is [%1d,%3d].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234101	Filter parameter block variable out of range; Decimation number = %d.\n Valid range for decimation number is [%1d,%3d].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234102	Filter parameter block variable out of range; No. of outputs = %d.\n Valid range for number of outputs is [%d,%d].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234103	Filter parameter block variable out of range; No. of prefills = %d.\n Valid range for number of prefills is [%1d,%3d].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234104	Filter parameter block variable out of range; No. of flush samples = %d.\n Valid range for number of flush samples is [%1d,%1d].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234105	Filter parameter block variable out of range; No. of taps flush = %d.\n Valid range for number of taps flush is [%1d,%1d].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234106	Filter parameter block variable out of range; No. of right shifts = %d.\n Valid range for number of right shifts is [%1d,%1d].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234107	Filter parameter block variable out of range; Alpha tune = %.3f.\n Valid range for alpha tune is [%.3f,%.3f].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234108	Filter parameter block variable out of range; Digital filter gain = %.3f.\n Valid range for digital filter gain is [%.3f,%.3f].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234109	Filter parameter block variable out of range; Picture window tuning = %.3f.\n Valid range for picture window tuning is [%.3f,%.3f].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2234110	Filter parameter block variable out of range; Window tune = %.3f.\n Valid range for window tune is [%.3f,%.3f].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234111	Filter parameter block variable out of range; Filt. cutoff frequency = %.3f.\n Valid range for filter cutoff frequency is [%.3f,%.3f].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234112	Filter parameter block variable out of range; No. of inputs = %d.\n Valid range for number of inputs is [%d,%d].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234113	Filter parameter block variable out of range; FFT Length N = %d.\n Valid FFT Lengths are 256,512,1024,2048,4096, and 8192.\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234114	Filter parameter block variable out of range; No. of Filter Segments = %d.\n Valid range for number of Segments is [%d,%d].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234115	Filter parameter block variable out of range; No. of Post Zeroes = %d.\n Valid range for number of Post Zeroes is [%d,%d].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234116	Filter parameter block variable out of range; Value of Beta = %d.\n Valid range for Beta is [%d,%d].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234117	Filter parameter block variable out of range; Pass band cutoff = %f.\n Valid range for the Pass Band cutoff is [%f,%f].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234118	Filter parameter block variable out of range; Stop band cutoff = %f.\n Valid range for the Stop Band cutoff is [%f,%f].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234119	Filter parameter block variable out of range; CERD Sampling Freq = %f.\n Valid range for the CERD Sampling Freq is [%f,%f].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234120	Filter parameter block variable out of range; CERD Sampling MODE = %d.\n Valid range for the CERD Sampling MODE is [%d,%d].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234121	Filter parameter block variable out of range; RAP Demod flag = %d.\n Valid range for RAP Demod flag is [%d,%d].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234122	Attempt to download to CAP filter destined for filter slot = %d failed.\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234123	Filter parameter block variable out of range; CERD Filter slot = %d.\n Valid range for real time filter slot is [%1d,%1d], or [%1d,%1d].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234124	Filter parameter block variable out of range;CERD Filter Generation Type = %d.\n Valid range for generation algorithm is [%1d,%1d], or [%1d,%1d].\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2234125	Filter parameter block variable too small;CERD FFT Length N = %d.\n Valid length must be at least twice the number of taps<%d>.\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234126	Filter parameter block variable incorrect; CERD Filter slot = %d.\n An attempt has been made to insert a PASS THRU filter in an FIR\n slot. Use filter slots in the range [%d - %d].\n Please re-check scan Rx or PSD for out of range filter parameter		<log,myhost,opr>
2234127	The filter specified can not be represented in 24-bit coefficients.\n TPS real time filter generation failed.\n Please re-check scan Rx or PSD for out of range filter parameters		<log,myhost,opr>
2234128	CERD timeout occurred waiting for filter generation.\n Please check to see if CERD board is powered, and communicating with TPS.		<log,myhost,opr>
2234129	Filter parameter block variable incorrect; CERD Filter slot = %d.\n An attempt has been made to insert a FIR filter in an PASS THRU\n slot. Use filter slots in the range [%d - %d].\n Please re-check scan Rx or PSD for out of range filter parameter		<log,myhost,opr>
2234130	Filter prefills of %d may be too short. Prefill values of %d may\n cause image artifacts!		<log,myhost,opr>
2234131	CERD error - RAP program generation for filter slot %d failed.\n Likely PSD filter parameter block programming error.		<log,myhost,opr>
2234132	CERD network send command failed for filter generation.\n TPS Reset may recover. Possible CERD hardware failure.		<log,myhost,opr>
2234133	CERD network get response command failed for filter generation.\n TPS Reset may recover. Possible CERD hardware failure.		<log,myhost,opr>
2234196	An invalid filter selection (%d) was received from the PSD.\n Filter selections must be in the ranges [0,13] or [100,113].\n Likely PSD programming error, please reset TPS.		<log,myhost,opr>
2234197	The PSD selected a filter (%d) that has not been loaded.\n Likely PSD programming error, please reset TPS.		<log,myhost,opr>
2234198	A new filter (%d) was selected by the PSD while the acquisition\n was still in progress. Likely PSD programming error.\n Filter select happened %d (in 100ns) after begin acq.\n #Begin Acqs=%d, #Filter Select=%d.		<log,myhost,opr>
2234199	A RAP program (%d) was selected with an invalid trigger mode.\n Only ASC and SSP are recognized trigger modes.\n Internal software error, please reset TPS.		<log,myhost,opr>
2234200	A RAP program (%d) was selected with an invalid input mode.\n Only XD, Single and Quad are recognized input modes.\n Internal software error, please reset TPS.		<log,myhost,opr>
2234201	A Filter (%d) was selected with no associated RAP program.\n Internal software error, please reset TPS.		<log,myhost,opr>
2234202	An underflow occurred in the Local XD FIFO during Feeder processing.\n Internal, recoverable software error, no action needed.		<log,myhost,opr>



## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2234219	The A/D Offsets have not been saved before the attempted pop\ Programmer or internal software error, please reset TPS!		<log,myhost,opr>
2234220	Unrecognized A/D Offset command received by the ASC Server Task\ on the CERD. The received A/D Offset Opcode is %d\ Programmer, network or internal software error. Please reset TPS!		<log,myhost,opr>
2234221	The ASC timed out waiting for a Begin Acq event from the PSD. Internal software or hardware error or loss of triggers. Scan aborted, please retry the acquisition!		<log,myhost,opr>
2234222	The ASC was interrupted for data acquisition before being ready. Likely PSD or TPS programming error, please restart the acquisition!		<log,myhost,opr>
2234223	Internal CERD error - the ASC received an acquisition setup packet\ with an invalid receiver number. Number of receivers = %d. Likely programming error, please respecrscribe!		<log,myhost,opr>
2234224	Internal CERD error - invalid FFT pass detected by ASC End of Pass isr. The detected FFT pass is %d. Likely programming error - please reset TPS!		<log,myhost,opr>
2234225	Illegal segment length detected by the CERD during filter generation. Internal software error - please reset TPS!		<log,myhost,opr>
2234226	Invalid Scan State was received by the CERD. Scan State = %d. Internal software error - please reset TPS!		<log,myhost,opr>
2234227	CERD error - invalid RAP segment length calculated for 1 seq acq. Segment length #1 = %d. FFT size = %d. No. taps = %d. PSD or CERD programming error.		<log,myhost,opr>
2234228	CERD error - invalid RAP segment length calculated for 2 seq acq. Segment length #2 = %d. FFT size = %d. No. taps = %d. PSD or CERD programming error.		<log,myhost,opr>
2234229	CERD error - invalid RAP segment length calculated for n seq acq. Segment length #n = %d. FFT size = %d. No. taps = %d. PSD or CERD programming error.		<log,myhost,opr>
2234230	CERD error - invalid FFT size calculated given # of filter taps. FFT size = %d. No. taps = %d. PSD or CERD programming error.		<log,myhost,opr>
2234231	CERD error - unsupported FFT size detected during RAP program gen. FFT size = %d. PSD or CERD programming error.		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2234232	CERD error - unsupported filter type detected during RAP program gen.\n Filter type = %d\n PSD or CERD programming error.		<log,myhost,opr>
2234233	CERD error - maximum number of points for an acquisition exceeded.\n Requested #IQ pairs = %d\n Maximum #IQ pairs = %d\n PSD programming error.		<log,myhost,opr>
2234234	RAP status fifo has overflowed for EPT queued mode.\n Begin Acqs = %d\n End Passes = %d\n End Segment = %d\n PSD timing error.		<log,myhost,opr>
2234235	RAP status fifo was empty when dequeue attempted.\n Begin Acqs = %d\n End Passes = %d\n End Segment = %d\n PSD timing error.		<log,myhost,opr>
2234236	CERD Queued Filter error - QIN memory was overrun.\n Filter processor unable to keep up with acquisition.\n Begin Acqs = %d\n End Passes = %d\n End Segment = %d		<log,myhost,opr>
2234296	An invalid opcode (%d) was received by CAP SSPmon.\n Internal software error or programming error, please reset TPS.		<log,myhost,opr>
2234297	CAP SSPmon timed out attempting to transfer SSP data over VSB.\n Possible VSB hardware error, \n please reset TPS and run CERD diagnostics!		<log,myhost,opr>
2234396	A CM send software error occurred as the TPS CERD Error Task attempted\n to send an HStop request to TPSSC. Error status is %d.\n Please reset TPS!		<log,myhost,opr>
2234397	A CM receive software error occurred as the TPS CERD Error Task attempted\n to receive an HStop acknowledgement from TPSSC. Error status is %d.\n Please reset TPS!		<log,myhost,opr>
2234398	The CERD Error Task received an unexpected CM packet while waiting for an\n HStop acknowledgement packet from TPSSC. The unexpected opcode is %d.\n Likely programming error, please reset TPS!		<log,myhost,opr>
2234399	The CERD Error Task was unable to create a CM mailbox.\n Returned status from mailbox definition attempt is %d\n Please reset TPS!		<log,myhost,opr>
2234400	The CERD Error Task was unable to look up the TPSSC mailbox.\n Further operation is doomed to be in vain.\n Please reset TPS!		<log,myhost,opr>
2234401	The TPS CERD Error Task was unable to create a software watchdog.\n Internal software error. Please reset TPS!		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2234402	The ASC Processor on the CERD subsystem did not respond to a Watchdog\n request from the TPS CERD Error Task.\n Please run CERD Diagnostics!		<log,myhost,opr>
2234403	The CAP Processor on the CERD subsystem did not respond to a Watchdog\n request from the TPS CERD Error Task.\n Please run CERD Diagnostics!		<log,myhost,opr>
2234404	The CERD does not respond to the TPS processor.\n Possible download failure or CERD board not properly seated.\n Please reset TPS and run CERD Diagnostics!		<log,myhost,opr>
2234405	CERD not responding. Please reset TPS!		<pri6,myhost,opr>
2234406	A unexpected opcode (%d) was received from CERD Network.\n Possible programming error or hardware problem.\n Please reset TPS and run CERD Diagnostics!		<log,myhost,opr>
2234407	A unexpected response opcode (%d) was received from CERD Network.\n Possible programming error or hardware problem.\n Please reset TPS and run CERD Diagnostics!		<log,myhost,opr>
2234496	No or little signal amplitude detected during Exciter calibration.\n Possible hardware problem - please run CERD Diagnostics!		<log,myhost,opr>
2234497	An invalid response opcode was received by the CERD\n during Calibration.\n Internal software error - please reset TPS!		<log,myhost,opr>
2234498	A request for calibration from TPS to CERD timed out -\n no response detected within 3 seconds!\n Please reset TPS!		<log,myhost,opr>
2234499	An invalid magnitude was calculated during CERD Receiver calibration.\n Internal CERD hardware or software error.\n Please run CERD Receiver diagnostics!		<log,myhost,opr>
2234596	Code segment checksum error detected on the CERD.\n Software corruption likely - programming or hardware error.\n Please reset TPS.		<log,myhost,opr>
2234597	The stack of CERD task #%d has been trished -\n Internal software error - please reset TPS!		<log,myhost,opr>
2236296	CERD DIAGS - CAP/ASC Communications Timeout error.\n A timeout error occurred while sending a command to the ASC.\n The command was not sent.\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236297	CERD DIAGS - CAP/ASC Communications Timeout error.\n A timeout error occurred while waiting for a packet opcode from the ASC.\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236298	CERD DIAGS - CAP/ASC Communications Timeout error.\n A command done opcode has been received from the ASC but a\n timeout occurred while waiting for the arguments that follow.\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236299	CERD DIAGS - CAP/ASC Communications Timeout error.\n An error opcode has been received from the ASC but a timeout\n occurred while waiting for the arguments that follow.\n FRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236300	CERD DIAGS - CAP/ASC Communications Timeout error.\n A server request opcode has been received from the ASC but a\n timeout occurred while waiting for the arguments that follow.\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236301	CERD DIAGS - Software error.\n The CAP received a command done packet from the ASC with\n an invalid argument count.\n Expected: %d arguments.\n Received: %d arguments.		<myhost,prg,log>
2236302	CERD DIAGS - Software error.\n The CAP received an error packet from the ASC with an invalid argument count.\n Expected: %d arguments.\n Received: %d arguments.		<myhost,prg,log>
2236303	CERD DIAGS - Software error.\n The CAP received a server request packet with too many arguments.\n Maximum argument count allowed: %d\n Received argument count: %d		<myhost,prg,log>
2236304	CERD DIAGS - Software error.\n The CAP received an invalid opcode from the ASC.\n Opcode: %08xH		<myhost,prg,log>
2236305	CERD DIAGS - Software error.\n The CAP received an invalid diags server request from the ASC.\n Server request number: %d		<myhost,prg,log>
2236306	CERD DIAGS - Software error.\n The ASC received an invalid opcode from the CAP.\n Opcode: %08xH		<myhost,prg,log>
2236307	CERD DIAGS - Software error.\n The ASC received a command from the CAP with an invalid\n argument count for the specified opcode.\n Expected: %d arguments.\n Received: %d arguments.		<myhost,prg,log>
2236308	CERD DIAGS - Software error.\n The ASC received a command to run diags, but the specified\n test group is invalid.\n Specified test group: %d		<myhost,prg,log>
2236309	CERD DIAGS - Software error.\n The ASC received a Remote Procedure Call with too many arguments.\n Specified argument count: %d\n Maximum argument count allowed: %d		<myhost,prg,log>
2236310	CERD DIAGS - Software error.\n The ASC received an invalid Remote Procedure Call (RPC)\n request from the CAP.\n RPC number: %d\n Highest allowable RPC number: %d		<myhost,prg,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236311	CERD DIAGS - Software error.\n\ An invalid AIME test has been selected in the diagnostic command word.\n\ No tests will be run.\n\ Command word: %08xH\n\ Valid test bits: %08xH		<myhost,prg,log>
2236312	CERD DIAGS - Software error.\n\ An invalid ASC test has been selected in the diagnostic command word.\n\ No tests will be run.\n\ Command word: %08xH\n\ Valid test bits: %08xH		<myhost,prg,log>
2236313	CERD DIAGS - Software error.\n\ An invalid RAP test has been selected in the diagnostic command word.\n\ No tests will be run.\n\ Command word: %08xH\n\ Valid test bits: %08xH		<myhost,prg,log>
2236314	CERD DIAGS - AIME Q Port Address Generator Failure.\n\ The Q port AG has failed the register data pattern test.\n\ Register: %02xH\n\ Data exp: %02xH\n\ Data read: %02xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236315	CERD DIAGS - AIME QIN Address Generator Failure.\n\ The QIN AG has failed the register data pattern test.\n\ Register: %02xH\n\ Data exp: %02xH\n\ Data read: %02xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236316	CERD DIAGS - AIME QOUT Address Generator Failure.\n\ The QOUT AG has failed the register data pattern test.\n\ Register: %02xH\n\ Data exp: %02xH\n\ Data read: %02xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236317	CERD DIAGS - AIME A Port Address Generator Failure.\n\ The A port AG has failed the register data pattern test.\n\ Register: %02xH\n\ Data exp: %02xH\n\ Data read: %02xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236318	CERD DIAGS - AIME B Port Address Generator Failure.\n\ The B port AG has failed the register data pattern test.\n\ Register: %02xH\n\ Data exp: %02xH\n\ Data read: %02xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236319	CERD DIAGS - AIME C Port Address Generator Failure.\n The C port AG has failed the register data pattern test.\n Register: %02xH\n Data exp: %02xH\n Data read: %02xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236320	CERD DIAGS - AIME Q Port Address Generator Failure.\n The Q port AG has failed the register address pattern test.\n Register: %02xH\n Data exp: %02xH\n Data read: %02xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236321	CERD DIAGS - AIME QIN Address Generator Failure.\n The QIN AG has failed the register address pattern test.\n Register: %02xH\n Data exp: %02xH\n Data read: %02xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236322	CERD DIAGS - AIME QOUT Address Generator Failure.\n The QOUT AG has failed the register address pattern test.\n Register: %02xH\n Data exp: %02xH\n Data read: %02xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236323	CERD DIAGS - AIME A Port Address Generator Failure.\n The A port AG has failed the register address pattern test.\n Register: %02xH\n Data exp: %02xH\n Data read: %02xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236324	CERD DIAGS - AIME B Port Address Generator Failure.\n The B port AG has failed the register address pattern test.\n Register: %02xH\n Data exp: %02xH\n Data read: %02xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236325	CERD DIAGS - AIME C Port Address Generator Failure.\n The C port AG has failed the register address pattern test.\n Register: %02xH\n Data exp: %02xH\n Data read: %02xH\n FRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236326	CERD DIAGS - AIME Address Generator Failure.\n\nAn addressing problem has been detected with one or more\n\nof the AIME Address Generators chips.\n\nAG address: %08xH\n\nData exp: %02xH\n\nData read: %02xH\n\nFRU(s): CERD Digital Board		<myhost,svr,log>
2236327	CERD DIAGS - AIME Interrupt Test Failure.\n\nThe AIME was programmed and started, but no End of Pass\n\nInterrupt was received by the ASC.\n\nFRU(s): CERD Digital Board		<myhost,svr,log>
2236328	CERD DIAGS - AIME Timeout Error.\n\nThe current test has failed because the AIME has timed out.\n\nFRU(s): CERD Digital Board		<myhost,svr,log>
2236329	CERD DIAGS - AIME B Port Memory Failure.\n\nAIME B Port Memory (real) has failed the data pattern test.\n\nAddress: %08xH\n\nData exp: %06xH\n\nData read: %06xH\n\nFRU(s): CERD Digital Board		<myhost,svr,log>
2236330	CERD DIAGS - AIME B Port Memory Failure.\n\nAIME B Port Memory (imaginary) has failed the data pattern test.\n\nAddress: %08xH\n\nData exp: %06xH\n\nData read: %06xH\n\nFRU(s): CERD Digital Board		<myhost,svr,log>
2236331	CERD DIAGS - AIME B Port Memory Failure.\n\nAIME B Port Memory (real) has failed the address pattern test.\n\nAddress: %08xH\n\nData exp: %06xH\n\nData read: %06xH\n\nFRU(s): CERD Digital Board		<myhost,svr,log>
2236332	CERD DIAGS - AIME B Port Memory Failure.\n\nAIME B Port Memory (imaginary) has failed the address pattern test.\n\nAddress: %08xH\n\nData exp: %06xH\n\nData read: %06xH\n\nFRU(s): CERD Digital Board		<myhost,svr,log>
2236333	CERD DIAGS - AIME B Port Memory Failure.\n\nAIME B Port Memory (real) has failed the walking 1's test.\n\nAddress: %08xH\n\nData exp: %06xH\n\nData read: %06xH\n\nFRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236334	CERD DIAGS - AIME B Port Memory Failure.\n AIME B Port Memory (imaginary) has failed the walking 1's test.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236335	CERD DIAGS - AIME B Port Memory Failure.\n AIME B Port Memory (real) has failed the walking 0's test.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236336	CERD DIAGS - AIME B Port Memory Failure.\n AIME B Port Memory (imaginary) has failed the walking 0's test.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236337	CERD DIAGS - AIME C Port Memory Failure.\n AIME C Port Memory (real) has failed the data pattern test.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236338	CERD DIAGS - AIME C Port Memory Failure.\n AIME C Port Memory (imaginary) has failed the data pattern test.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236339	CERD DIAGS - AIME C Port Memory Failure.\n AIME C Port Memory (real) has failed the address pattern test.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236340	CERD DIAGS - AIME C Port Memory Failure.\n AIME C Port Memory (imaginary) has failed the address pattern test.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236341	CERD DIAGS - AIME C Port Memory Failure.\n\ AIME C Port Memory (real) has failed the walking 1's test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236342	CERD DIAGS - AIME C Port Memory Failure.\n\ AIME C Port Memory (imaginary) has failed the walking 1's test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236343	CERD DIAGS - AIME C Port Memory Failure.\n\ AIME C Port Memory (real) has failed the walking 0's test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236344	CERD DIAGS - AIME C Port Memory Failure.\n\ AIME C Port Memory (imaginary) has failed the walking 0's test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236345	CERD DIAGS - AIME A Port Memory Failure.\n\ AIME A Port Memory (real) has failed the data pattern test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236346	CERD DIAGS - AIME A Port Memory Failure.\n\ AIME A Port Memory (imaginary) has failed the data pattern test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236347	CERD DIAGS - AIME A Port Memory Failure.\n\ AIME A Port Memory (real) has failed the address pattern test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236348	CERD DIAGS - AIME A Port Memory Failure.\n\ AIME A Port Memory (imaginary) has failed the address pattern test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236349	CERD DIAGS - AIME A Port Memory Failure.\n\ AIME A Port Memory (real) has failed the walking 1's test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236350	CERD DIAGS - AIME A Port Memory Failure.\n\ AIME A Port Memory (imaginary) has failed the walking 1's test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236351	CERD DIAGS - AIME A Port Memory Failure.\n\ AIME A Port Memory (real) has failed the walking 0's test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236352	CERD DIAGS - AIME A Port Memory Failure.\n\ AIME A Port Memory (imaginary) has failed the walking 0's test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236353	CERD DIAGS - AIME A Port Memory Failure.\n\ AIME A Port Memory (real) has failed the bank selection test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ Bank: %d\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236354	CERD DIAGS - AIME A Port Memory Failure.\n\ AIME A Port Memory (imaginary) has failed the bank selection test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ Bank: %d\n\ FRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236355	CERD DIAGS - AIME A Port Memory Failure.\n AIME A Port Memory (real) has failed the bank 1 page selection test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ Page: %d\n\ Page size: %dK\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236356	CERD DIAGS - AIME A Port Memory Failure.\n AIME A Port Memory (imaginary) has failed the bank 1 page selection test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ Page: %d\n\ Page size: %dK\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236357	CERD DIAGS - AIME A Port Memory Failure.\n Bank 0 memory (real) was corrupted during the bank 1 page selection test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ Page: %d\n\ Page size: %dK\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236358	CERD DIAGS - AIME A Port Memory Failure.\n Bank 0 memory (imaginary) was corrupted during the bank 1 page selection test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ Page: %d\n\ Page size: %dK\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236359	CERD DIAGS - AIME DZI/DZO Test Failure.\n The DZI/DZO test failed with neither DZI nor DZO asserted.\n\ The failure is in the real component of the results.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236360	CERD DIAGS - AIME DZI/DZO Test Failure.\n The DZI/DZO test failed with neither DZI nor DZO asserted.\n The failure is in the imaginary component of the results.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236361	CERD DIAGS - AIME DZI/DZO Test Failure.\n The DZI/DZO test failed using alternating DZI assertions.\n The failure is in the real component of the results.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236362	CERD DIAGS - AIME DZI/DZO Test Failure.\n The DZI/DZO test failed using alternating DZI assertions.\n The failure is in the imaginary component of the results.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236363	CERD DIAGS - AIME DZI/DZO Test Failure.\n The DZI/DZO test failed using alternating DZO assertions.\n The failure is in the real component of the results.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236364	CERD DIAGS - AIME DZI/DZO Test Failure.\n The DZI/DZO test failed using alternating DZO assertions.\n The failure is in the imaginary component of the results.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236365	CERD DIAGS - AIME DZI/DZO Test Failure.\n The DZI/DZO test failed with DZI asserted at the start of a sequence.\n The failure is in the real component of the results.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236366	CERD DIAGS - AIME DZI/DZO Test Failure.\n The DZI/DZO test failed with DZI asserted at the start of a sequence.\n The failure is in the imaginary component of the results.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236367	CERD DIAGS - AIME DZI/DZO Test Failure.\n The DZI/DZO test failed with DZO asserted at the end of a sequence.\n The failure is in the real component of the results.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236368	CERD DIAGS - AIME DZI/DZO Test Failure.\n The DZI/DZO test failed with DZO asserted at the end of a sequence.\n The failure is in the imaginary component of the results.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236369	CERD DIAGS - AIME DCI/DCO Test Failure.\n The DCI/DCO test failed using the listed DCI/DCO values.\n The failure is in the real component of the results.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n DCI=%1d, DCO=%1d\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236370	CERD DIAGS - AIME DCI/DCO Test Failure.\n The DCI/DCO test failed using the listed DCI/DCO values.\n The failure is in the imaginary component of the results.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n DCI=%1d, DCO=%1d\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236371	CERD DIAGS - AIME CCR/CCI Test Failure.\n The CCR/CCI test failed with neither CCR nor CCI asserted.\n The failure is in the real component of the results.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236372	CERD DIAGS - AIME CCR/CCI Test Failure.\n The CCR/CCI test failed with neither CCR nor CCI asserted.\n The failure is in the imaginary component of the results.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236373	CERD DIAGS - AIME CCR/CCI Test Failure.\n The CCR/CCI test failed with only CCR asserted.\n The failure is in the real component of the results.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236374	CERD DIAGS - AIME CCR/CCI Test Failure.\n The CCR/CCI test failed with only CCR asserted.\n The failure is in the imaginary component of the results.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236375	CERD DIAGS - AIME CCR/CCI Test Failure.\n The CCR/CCI test failed with CCI asserted at the start of a sequence.\n The failure is in the real component of the results.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236376	CERD DIAGS - AIME CCR/CCI Test Failure.\n The CCR/CCI test failed with CCI asserted at the start of a sequence.\n The failure is in the imaginary component of the results.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236377	CERD DIAGS - AIME CCR/CCI Test Failure.\n The CCR/CCI test failed with CCI asserted at the end of a sequence.\n The failure is in the real component of the results.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236378	CERD DIAGS - AIME CCR/CCI Test Failure.\n The CCR/CCI test failed with CCI asserted at the end of a sequence.\n The failure is in the imaginary component of the results.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236379	CERD DIAGS - AIME CCR/CCI Test Failure.\n The CCR/CCI test failed using alternating CCI assertions.\n The failure is in the real component of the results.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236380	CERD DIAGS - AIME CCR/CCI Test Failure.\n The CCR/CCI test failed using alternating CCI assertions.\n The failure is in the imaginary component of the results.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236381	CERD DIAGS - AIME CSFI Test Failure.\n The CSFI test failed using the specified CSFI value.\n The failure is in the real component of the results.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n CSFI value: %d\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236382	CERD DIAGS - AIME CSFI Test Failure.\n The CSFI test failed using the specified CSFI value.\n The failure is in the imaginary component of the results.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n CSFI value: %d\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236383	CERD DIAGS - AIME Scale Factor Register Failure.\n A data error has been detected in the Scale Factor register.\n DSF exp: %02xH\n BFP exp: %02xH\n DSF read: %02xH\n BFP read: %02xH\n FRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236384	CERD DIAGS - AIME DSFI Test Failure.\n\ The DSFI test failed using the specified DSFI value.\n\ The failure is in the real component of the results.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ DSFI value: %d\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236385	CERD DIAGS - AIME DSFI Test Failure.\n\ The DSFI test failed using the specified DSFI value.\n\ The failure is in the imaginary component of the results.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ DSFI value: %d\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236386	CERD DIAGS - AIME DSFO Test Failure.\n\ The DSFO test failed using the specified complex input value.\n\ Input value: %08xH + j%08xH\n\ DSFO exp: %d\n\ DSFO read: %d\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236387	CERD DIAGS - AIME BFP Accumulator Failure.\n\ A data error has been detected in the BFP data path.\n\ BFP exp: %02xH\n\ BFP read: %02xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236388	CERD DIAGS - AIME BFP Accumulator Failure.\n\ The BFP accumulator has failed the accumulation test.\n\ BFP exp: %02xH\n\ BFP read: %02xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236389	CERD DIAGS - AIME DataFlow Codes Failure.\n\ A data error has occurred in the DataFlow codes test.\n\ One of the data flow codes is not working correctly.\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236390	CERD DIAGS - AIME Function Codes Failure.\n\ The specified function code (from the Complex Arithmetic group)\n\ is not working properly which resulted in a data error.\n\ DSP chip function code: %02xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236391	CERD DIAGS - AIME Function Codes Failure.\n The specified function code (from the Vector Arithmetic group)\n is not working properly which resulted in a data error.\n DSP chip function code: %02xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236392	CERD DIAGS - AIME Function Codes Failure.\n The specified function code (from the Vector Logical group)\n is not working properly which resulted in a data error.\n DSP chip function code: %02xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236393	CERD DIAGS - AIME Function Codes Failure.\n The specified function code (from the DSP group)\n is not working properly which resulted in a data error.\n DSP chip function code: %02xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236394	CERD DIAGS - AIME Functional Test Failure.\n Output point %d of a %d point FFT is incorrect. The input is a\n Impulse function. The failure is in the real component of the results.\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236395	CERD DIAGS - AIME Functional Test Failure.\n Output point %d of a %d point FFT is incorrect. The input is a\n Impulse function. The failure is in the imaginary component of the results.\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236396	CERD DIAGS - AIME Functional Test Failure.\n Output point %d of a %d point FFT is incorrect. The input is a\n Constant function. The failure is in the real component of the results.\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236397	CERD DIAGS - AIME Functional Test Failure.\n Output point %d of a %d point FFT is incorrect. The input is a\n Constant function. The failure is in the imaginary component of the results.\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236398	CERD DIAGS - AIME Functional Test Failure.\n Output point %d of a %d point FFT is incorrect. The input is a\n Gate function. The failure is in the real component of the results.\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236399	CERD DIAGS - AIME Functional Test Failure.\n\ Output point %d of a %d point FFT is incorrect. The input is a\n\ Gate function. The failure is in the imaginary component of the results.\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236400	CERD DIAGS - AIME Functional Test Failure.\n\ Output point %d of a %d point FFT is incorrect. The input is a\n\ Sinc function. The failure is in the real component of the results.\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236401	CERD DIAGS - AIME Functional Test Failure.\n\ Output point %d of a %d point FFT is incorrect. The input is a\n\ Sinc function. The failure is in the imaginary component of the results.\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236402	CERD DIAGS - ASC Static RAM Failure.\n\ ASC Static RAM has failed the data pattern test.\n\ Address: %08xH\n\ Data exp: %08xH\n\ Data read: %08xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236403	CERD DIAGS - ASC Static RAM Failure.\n\ ASC Static RAM has failed the address pattern test.\n\ Address: %08xH\n\ Data exp: %08xH\n\ Data read: %08xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236404	CERD DIAGS - ASC Static RAM Failure.\n\ ASC Static RAM has failed the walking 1's test.\n\ Address: %08xH\n\ Data exp: %08xH\n\ Data read: %08xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236405	CERD DIAGS - ASC Static RAM Failure.\n\ ASC Static RAM has failed the walking 0's test.\n\ Address: %08xH\n\ Data exp: %08xH\n\ Data read: %08xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236406	CERD DIAGS - ASC C40 Internal Test Failure.\n\nThe ASC C40 processor has failed one of the C40 internal tests.\n\nTest error code: %04xH\n\nFRU(s): CERD Digital Board		<myhost,svr,log>
2236407	CERD DIAGS - ASC Interrupts Test Failure.\n\nThe ASC caused a QIN memory bus error and the QIN bus error\n\nstatus bit is set in the AIME Bus Grant Register but the\n\nASC did not receive the QIN bus error interrupt.\n\nFRU(s): CERD Digital Board		<myhost,svr,log>
2236408	CERD DIAGS - ASC Interrupts Test Failure.\n\nThe ASC caused a QOUT memory bus error and the QOUT bus error\n\nstatus bit is set in the AIME Bus Grant Register but the\n\nASC did not receive the QOUT bus error interrupt.\n\nFRU(s): CERD Digital Board		<myhost,svr,log>
2236409	CERD DIAGS - ASC Interrupts Test Failure.\n\nThe ASC caused a QIN memory bus error but the QIN bus error\n\nstatus bit is not set in the AIME Bus Grant Register.\n\nFRU(s): CERD Digital Board		<myhost,svr,log>
2236410	CERD DIAGS - ASC Interrupts Test Failure.\n\nThe ASC caused a QOUT memory bus error but the QOUT bus error\n\nstatus bit is not set in the AIME Bus Grant Register.\n\nFRU(s): CERD Digital Board		<myhost,svr,log>
2236411	CERD DIAGS - ASC Interrupts Test Failure.\n\nThe ASC was unable to clear the QIN/QOUT bus error status bits\n\nin the AIME Bus Grant Register.\n\nFRU(s): CERD Digital Board		<myhost,svr,log>
2236412	CERD DIAGS - ASC Interrupts Test Failure.\n\nThe CAP wrote to the Filter Select register but the ASC did\n\nnot receive the Filter Select interrupt.\n\nFRU(s): CERD Digital Board		<myhost,svr,log>
2236413	CERD DIAGS - ASC/CAP Comm Port Test Failure.\n\nThe ASC/CAP Communications port test failed the data pattern test.\n\nData exp: %08xH\n\nData read: %08xH\n\nFRU(s): CERD Digital Board		<myhost,svr,log>
2236414	CERD DIAGS - ASC Sign Extension Test Failure.\n\nThe sign extension of QIN memory from 24 to 32 bits has failed.\n\nData exp: %08xH\n\nData read: %08xH\n\nData written: %06xH\n\nFRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236415	CERD DIAGS - ASC Sign Extension Test Failure.\n The sign extension of QOUT memory from 24 to 32 bits has failed.\n Data exp: %08xH\n Data read: %08xH\n Data written: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236416	CERD DIAGS - QIN Memory Failure.\n ASC QIN Memory (real) has failed the data pattern test.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236417	CERD DIAGS - QIN Memory Failure.\n ASC QIN Memory (imaginary) has failed the data pattern test.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236418	CERD DIAGS - QIN Memory Failure.\n ASC QIN Memory (real) has failed the address pattern test.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236419	CERD DIAGS - QIN Memory Failure.\n ASC QIN Memory (imaginary) has failed the address pattern test.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236420	CERD DIAGS - QIN Memory Failure.\n ASC QIN Memory (real) has failed the walking 1's test.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236421	CERD DIAGS - QIN Memory Failure.\n ASC QIN Memory (imaginary) has failed the walking 1's test.\n Address: %08xH\n Data exp: %06xH\n Data read: %06xH\n FRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236422	CERD DIAGS - QIN Memory Failure.\n\ ASC QIN Memory (real) has failed the walking 0's test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236423	CERD DIAGS - QIN Memory Failure.\n\ ASC QIN Memory (imaginary) has failed the walking 0's test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236424	CERD DIAGS - QOUT Memory Failure.\n\ ASC QOUT Memory (real) has failed the data pattern test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236425	CERD DIAGS - QOUT Memory Failure.\n\ ASC QOUT Memory (imaginary) has failed the data pattern test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236426	CERD DIAGS - QOUT Memory Failure.\n\ ASC QOUT Memory (real) has failed the address pattern test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236427	CERD DIAGS - QOUT Memory Failure.\n\ ASC QOUT Memory (imaginary) has failed the address pattern test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236428	CERD DIAGS - QOUT Memory Failure.\n\ ASC QOUT Memory (real) has failed the walking 1's test.\n\ Address: %08xH\n\ Data exp: %06xH\n\ Data read: %06xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236429	CERD DIAGS - QOUT Memory Failure.\n\nASC QOUT Memory (imaginary) has failed the walking 1's test.\n\nAddress: %08xH\n\nData exp: %06xH\n\nData read: %06xH\n\nFRU(s): CERD Digital Board		<myhost,svr,log>
2236430	CERD DIAGS - QOUT Memory Failure.\n\nASC QOUT Memory (real) has failed the walking 0's test.\n\nAddress: %08xH\n\nData exp: %06xH\n\nData read: %06xH\n\nFRU(s): CERD Digital Board		<myhost,svr,log>
2236431	CERD DIAGS - QOUT Memory Failure.\n\nASC QOUT Memory (imaginary) has failed the walking 0's test.\n\nAddress: %08xH\n\nData exp: %06xH\n\nData read: %06xH\n\nFRU(s): CERD Digital Board		<myhost,svr,log>
2236432	CERD DIAGS - ASC Filter Select Test Failure.\n\nThe Filter Select interrupt (which indicates that data has been\n\nwritten to the Filter Select register) was not received by the ASC.\n\nFRU(s): CERD Digital Board		<myhost,svr,log>
2236433	CERD DIAGS - ASC Filter Select Test Failure.\n\nThe Filter Select register has failed the data pattern test.\n\nData exp: %02xH\n\nData read: %02xH\n\nFRU(s): CERD Digital Board		<myhost,svr,log>
2236434	CERD DIAGS - ASC Watchdog Timer Test Failure.\n\nThe ASC Watchdog Timer has failed to reset the ASC after %d seconds.\n\nThe watchdog hardware is broke or the watchdog timer value is too long.\n\nFRU(s): CERD Digital Board		<myhost,svr,log>
2236435	CERD DIAGS - ASC Watchdog Timer Test Failure.\n\nThe ASC has been reset during the ASC Watchdog Timer test; however,\n\nthe CAP has failed to restart the ASC. The CERD board should be reset.\n\nFRU(s): CERD Digital Board		<myhost,svr,log>
2236436	CERD DIAGS - RAP Register Test Failure.\n\nThe RAP Status register value was incorrect after a RAP reset.\n\nData exp: %04xH\n\nData read: %04xH\n\nFRU(s): CERD Digital Board		<myhost,svr,log>
2236437	CERD DIAGS - RAP Register Test Failure.\n\nThe RAP Clip register value was incorrect after a RAP reset.\n\nData exp: %04xH\n\nData read: %04xH\n\nFRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236438	CERD DIAGS - RAP Register Test Failure.\n The specified RAP Peak register value was incorrect after a RAP reset.\n Data exp: %04xH\n Data read: %04xH\n Peak register no.: %d\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236439	CERD DIAGS - RAP Register Test Failure.\n The RAP Input Xfer Counter register value was incorrect after a RAP reset.\n Data exp: %05xH\n Data read: %05xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236440	CERD DIAGS - RAP Register Test Failure.\n The RAP Output Xfer Counter register value was incorrect after a RAP reset.\n Data exp: %05xH\n Data read: %05xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236441	CERD DIAGS - RAP Register Test Failure.\n The RAP QIN Address Pointer register value was incorrect after a RAP reset.\n Data exp: %04xH\n Data read: %04xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236442	CERD DIAGS - RAP Register Test Failure.\n The RAP Control register has failed the data pattern test.\n Data exp: %04xH\n Data read: %04xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236443	CERD DIAGS - RAP Register Test Failure.\n The RAP Overrange register has failed the data pattern test.\n Data exp: %04xH\n Data read: %04xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236444	CERD DIAGS - RAP Register Test Failure.\n The specified RAP Offset register has failed the data pattern test.\n Data exp: %04xH\n Data read: %04xH\n Offset register no.: %d\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236445	CERD DIAGS - RAP Register Test Failure.\n A register addressing problem has been detected with one or\n more of the RAP registers.\n RAP register address: %08xH\n Data exp: %04xH\n Data read: %04xH\n FRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236446	CERD DIAGS - RAP Interrupts Test Failure.\n The RAP has been started, but the ASC did not receive a Begin Acq interrupt.\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236447	CERD DIAGS - RAP Interrupts Test Failure.\n The RAP has been started, but the ASC has not received\n the End of Segment interrupt indicating that all data\n has been acquired by the RAP.\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236448	CERD DIAGS - RAP Interrupts Test Failure.\n The XD FIFO has underflowed but the ASC has not received\n the XD FIFO Underflow interrupt.\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236449	CERD DIAGS - RAP Interrupts Test Failure.\n The Intra-RAP FIFO has overflowed but the ASC has not received\n the Intra-RAP FIFO Overflow interrupt.\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236450	CERD DIAGS - RAP Interrupts Test Failure.\n The ASC has received a spurious Begin Acq interrupt even though\n the RAP has not been started yet.\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236451	CERD DIAGS - RAP Interrupts Test Failure.\n The ASC has received a spurious XD FIFO Underflow interrupt.\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236452	CERD DIAGS - RAP Interrupts Test Failure.\n The ASC has received a spurious Intra-RAP FIFO Overflow interrupt.\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236453	CERD DIAGS - RAP FIFO's Test Failure.\n The RAP FIFO's test has failed the data pattern test.\n Data index: %d\n Data exp: %04xH\n Data read: %04xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236454	CERD DIAGS - RAP FIFO's Test Failure.\n The RAP FIFO's test has failed the address pattern test.\n Data index: %d\n Data exp: %04xH\n Data read: %04xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236455	CERD DIAGS - RAP XD FIFO Flags Test Failure.\n The XD FIFO status flags are incorrect given the amount of\n data that has been loaded into the XD FIFO.\n XD flags exp: %04xH\n XD flags read: %04xH\n FIFO data count: %d\n FRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236456	CERD DIAGS - RAP Trigger Modes Test Failure.\n The RAP failed to start using the ASC SOA trigger mode.\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236457	CERD DIAGS - RAP Timeout Error.\n The current test has failed because the RAP has timed out.\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236458	CERD DIAGS - RAP Trigger Modes Test Failure.\n The RAP failed to start using the ASC Internal trigger mode.\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236459	CERD DIAGS - RAP Trigger Modes Test Failure.\n The RAP has acquired segment %d of %d but the QIN address\n pointer is incorrect when done.\n QIN addr read: %05xH\n QIN addr exp: %05xH\n Segment size: %d points\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236460	CERD DIAGS - RAP Trigger Modes Test Failure.\n The RAP has acquired segment %d of %d but the data is incorrect.\n Data exp: %04xH\n Data read: %04xH\n Data index: %d\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236461	CERD DIAGS - RAP Trigger Modes Test Failure.\n The RAP has acquired all expected data segments but %d Begin Acq\n interrupts were generated. The test was expecting %d to occur.\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236462	CERD DIAGS - RAP Receiver Modes Test Failure.\n The RAP has acquired data using EPI/Spectro Receiver mode\n but the acquired data is incorrect.\n Data exp: %04xH\n Data read: %04xH\n ASC address: %08xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236463	CERD DIAGS - RAP Receiver Modes Test Failure.\n The RAP has acquired data using Single Channel Receiver mode\n but the acquired data is incorrect.\n Data exp: %04xH\n Data read: %04xH\n ASC address: %08xH\n FRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236464	CERD DIAGS - RAP Receiver Modes Test Failure.\n The RAP has acquired data using 4 Channel Receiver mode\n but the acquired data is incorrect.\n Data exp: %04xH\n Data read: %04xH\n ASC address: %08xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236465	CERD DIAGS - RAP Offset Correction Test Failure.\n A RAP offset correction error occurred in channel %d.\n Input data value: %04xH\n Data exp: %04xH\n Data read: %04xH\n Offset used: %04xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236466	CERD DIAGS - RAP Peak Detect Test Failure.\n A RAP peak detection error occurred in channel %d.\n The peak value was first in the data sequence.\n Peak Reg exp: %04xH\n Peak Reg read: %04xH\n Input data: %04xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236467	CERD DIAGS - RAP Peak Detect Test Failure.\n A RAP peak detection error occurred in channel %d.\n The peak value was last in the data sequence.\n Peak Reg exp: %04xH\n Peak Reg read: %04xH\n Input data: %04xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236468	CERD DIAGS - RAP Clip Detect Test Failure.\n A RAP clip detection error occurred. The clipped value\n was first in the data sequence.\n Clip Reg exp: %04xH\n Clip Reg read: %04xH\n Input data: %04xH\n Input data+(offset): %04xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236469	CERD DIAGS - RAP Clip Detect Test Failure.\n A RAP clip detection error occurred. The clipped value\n was last in the data sequence.\n Clip Reg exp: %04xH\n Clip Reg read: %04xH\n Input data: %04xH\n Input data+(offset): %04xH\n FRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236470	CERD DIAGS - RAP Clip Detect Test Failure.\n\ The RAP failed to properly clip negative input data.\n\ Data exp: %04xH\n\ Data read: %04xH\n\ Input data: %04xH\n\ Input data+(offset): %04xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236471	CERD DIAGS - RAP Overrange Detect Test Failure.\n\ A RAP overrange condition occurred in channel %d yet\n\ the input data did not exceed the Overrange Register value.\n\ Overrange Reg: %04xH\n\ Input data: %04xH\n\  Input data : %04xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236472	CERD DIAGS - RAP Overrange Detect Test Failure.\n\ The RAP failed to detect an overrange in channel %d.\n\ The overrange value was first in the data sequence.\n\ Overrange Reg: %04xH\n\ Input data: %04xH\n\  Input data : %04xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236473	CERD DIAGS - RAP Overrange Detect Test Failure.\n\ The RAP failed to detect an overrange in channel %d.\n\ The overrange value was last in the data sequence.\n\ Overrange Reg: %04xH\n\ Input data: %04xH\n\  Input data : %04xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236474	CERD DIAGS - RAP Demodulation Test Failure.\n\ The RAP acquired single channel data with demodulation enabled\n\ but the acquired data is incorrect.\n\ Data index: %d\n\ Data exp: %04xH\n\ Data read: %04xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>
2236475	CERD DIAGS - RAP Demodulation Test Failure.\n\ The RAP acquired 4 channel data with demodulation enabled\n\ but the acquired data is incorrect.\n\ Data index: %d\n\ Data exp: %04xH\n\ Data read: %04xH\n\ FRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236476	CERD DIAGS - CAP/ASC Data Acquisition error.\n A data acquisition error occurred while calling cax_acquire_data.\n cax_err: %04xH\n num_points: %04xH\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236477	CERD DIAGS - ASC Watchdog Timer Test Failure.\n The ASC Watchdog Timer cannot be tested because the ASC to CAP interrupt\n mechanism appears to be broken.\n FRU(s): CERD Digital Board		<myhost,svr,log>
2236536	CERD BOOT ERROR MESSAGE - ON CAP - PATTERN TEST FAILURE\n Failed while running pattern test on TPS - CERD DPR.\n Expected pattern: %08xH\n Actual pattern: %08xH\n Error occurred at address %08xH		<myhost,svr,log>
2236537	CERD BOOT ERROR MESSAGE - ON CAP - CHECKSUM MISMATCH\n Checksum of Flash Memory File %d (%b) does not match the checksum in \n the CERD header block.\n Expected checksum: %08xH\n Actual checksum: %08xH		<myhost,svr,log>
2236538	0=CAP Boot Module, 1=ASC Powerup Diags, 2=ASC Boot Diags, 3=LCA file		<myhost,svr,log>
2236539	CERD BOOT ERROR MESSAGE - ON CAP - INTERNAL SOFTWARE ERROR\n Selected DMA Channel is out of range. Valid DMA Channels are 0 thru 5.\n Selected DMA Channel is %d		<myhost,svr,log>
2236540	CERD BOOT ERROR MESSAGE - ON CAP - DMA CHANNEL BUSY\n Selected DMA Channel is Busy. A call was made to start DMA transfer on\n channel number %d but the channel is busy.		<myhost,svr,log>
2236541	CERD BOOT ERROR MESSAGE - ON CAP - ASC BOOT ERROR\n Encountered error while sending Executable file to ASC.\n File type is %d (%b).		<myhost,svr,log>
2236542	CERD BOOT ERROR MESSAGE - ON CAP - LCA LOAD ERROR\n Encountered error while sending LCA program data to LCA loader.		<myhost,svr,log>
2236543	CERD BOOT STATUS MESSAGE - ON CAP - BLANK FLASH MEMORY\n Flash memory is blank/invalid. Boot software will attempt to reprogram the\n Flash memory with a new file. The checksum of Flash memory as indicated in\n the header block is %08xH		<myhost,svr,log>
2236544	CERD BOOT ERROR MESSAGE - ON CAP - INTERNAL SOFTWARE ERROR\n Invalid option selected. The selection is out of range. Status: %d		<myhost,svr,log>
2236545	CERD BOOT ERROR MESSAGE - ON CAP - DPR HARDWARE SEMAPHORE TIME OUT\n Timeout occurred while waiting for DPR hardware semaphore. The hardware\n semaphore was not available from the CAP side.\n Selected semaphore is %d\n Waiting time was %d mSec		<myhost,svr,log>
2236546	CERD BOOT ERROR MESSAGE - ON CAP - COMMAND TIMEOUT ERROR\n CERD boot software on CAP timed out while waiting for a command from TPS side.\n Duration of wait before time out was %d milliseconds.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236547	CERD BOOT ERROR MESSAGE - ON CAP - RESPONSE REGISTER NON ZERO\n Response register of boot packet is not cleared. Previous response was not\n read by TPS side. Response register = %d		<myhost,svr,log>
2236548	CERD BOOT ERROR MESSAGE - ON CAP - TIC STATUS/CONTROL READ ERROR\n Encountered error while trying to read status and control registers\n of Time In a Can (TIC).\n Status1: %d\n Status2: %d		<myhost,svr,log>
2236549	CERD BOOT ERROR MESSAGE - ON CAP - TIC RESET ERROR\n Encountered error while resetting the regular/interval timer on TIC.\n Status: %03xH		<myhost,svr,log>
2236550	CERD BOOT ERROR MESSAGE - ON CAP - TIC START ERROR\n Encountered error while starting the Time In a Can (TIC)		<myhost,svr,log>
2236551	CERD BOOT STATUS MESSAGE - ON CAP - TIC READ/WRITE ERROR\n Encountered error while %d (0=Reading, 1=Writing) Non-volatile RAM in TIC.\n Address: %xH\n Data: %xH		<myhost,svr,log>
2236552	CERD BOOT ERROR MESSAGE - CAP ERASE/PROGRAM OF FLASH MEMORY FAILED.\n Encountered error while %d (0=Erasing, 1=Programming) Flash Memory.\n Flash may be bad, but also CHECK ISE POWER SUPPLY VOLTAGE LEVELS.\n Address: %xH\n Status: %xH		<myhost,svr,log>
2236553	CERD BOOT ERROR MESSAGE - CAP ERASE/PROGRAM OF FLASH MEMORY TIMED OUT.\n Timeout occurred while %d (0=Erasing, 1=Programming).\n Flash may be bad, but also CHECK ISE POWER SUPPLY VOLTAGE LEVELS.\n Error Status: %xH		<myhost,svr,log>
2236554	CERD BOOT ERROR MESSAGE - ON CAP - DATA NOT PRESENT IN THE FILE\n File corresponding to the ID is not present in CAP memory space.\n File was not loaded to the required destination.\n File ID: %d (%b)\n Start address: %08xH\n Length: %08xH		<myhost,svr,log>
2236555	CERD BOOT ERROR MESSAGE - ON CAP - FLASH MEMORY HAS INVALID DATA\n The contents of flash memory is invalid. Flash memory programming was\n incomplete or not programmed or it is a new device.\n File ID: %d (%b)\n Start address: %08xH\n Length: %08xH		<myhost,svr,log>
2236556	CERD BOOT ERROR MESSAGE - ON CAP - DMA TRANSFER INCOMPLETE\n Timeout occurred while transferring %d (%b). IT MAY BE NECESSARY TO \n CYCLE POWER ON THE ISE CHASSIS TO CLEAR THIS CONDITION.		<myhost,svr,log>
2236557	CERD BOOT ERROR MESSAGE - ON CAP - VIC INITIALIZATION ERROR\n Encountered error while Initializing Vme Interface Controller (VIC).		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236558	CERD BOOT ERROR MESSAGE - ON CAP - LCA LOAD ERROR\n\n%b\n\nFailed LCA: %08xH (%b)\n\nLCA program status register: %08xH		<myhost,svr,log>
2236559	LCA program status register indicates that LCA Done bit is not set.\n\nLCA files were transferred to LCA loader but the status register\n\nindicates that the LCAs are not properly programmed.		<myhost,svr,log>
2236560	CERD BOOT ERROR MESSAGE - ON CAP - LCA LOAD ERROR\n\nLCA Program status register indicates that there was a configuration\n\ndata error while programming LCA.\n\nFailed LCA: %08xH (%b)\n\nLCA program status register: %08xH		<myhost,svr,log>
2236561	bit_0 = SSP LCA, bit_1 = XD LCA, bit_2 = VSB LCA, bit_3 = RAP LCA, \n\nbit_4 = Exciter LCA		<myhost,svr,log>
2236562	CERD BOOT ERROR MESSAGE - ON CAP - CHECKSUM ERROR\n\n%b\n\nExpected checksum: %08xH\n\nActual checksum: %08xH		<myhost,svr,log>
2236563	Failed in Checksum check of the data block transferred from TPS to CAP.\n\nThe checksum of the data block does not match the checksum field in the\n\nheader of the block.		<myhost,svr,log>
2236564	CERD BOOT ERROR MESSAGE - ON CAP - ASC INITIALIZATION ERROR\n\nFailed while initializing the interface between CAP and ASC.\n\nStatus: %xH		<myhost,svr,log>
2236565	CERD BOOT ERROR MESSAGE - ON CAP - INVALID START ADDRESS\n\nDetected a invalid start address while transferring/executing\n\nthe data in CAP SRAM.\n\nStart Address of data block: %08xH\n\nLength of data block: %08xH		<myhost,svr,log>
2236566	CERD BOOT ERROR MESSAGE - ON CAP - EXCEEDED SRAM RANGE\n\nExceeded SRAM Range on CAP while transferring data from TPS to CAP.\n\nCERD boot process will be aborted.\n\nCAP SRAM required until the address: %08xH\n\nCAP SRAM last valid address location: %08xH		<myhost,svr,log>
2236567	CERD BOOT STATUS MESSAGE - ON CAP - SRAM SIZE ERROR\n\nDriver call to get the SRAM size on CAP failed. SRAM on CAP is\n\nset to the default size: %08xH		<myhost,svr,log>
2236568	CERD BOOT ERROR MESSAGE - ON CAP - ASC DIAGS ERROR\n\nFailed while running asc power up diags.\n\nStatus: %xH		<myhost,svr,log>
2236569	CERD BOOT ERROR MESSAGE - ON CAP - TIC READ ERROR\n\nFailed while reading the Real time clock on TIC.		<myhost,svr,log>
2236570	CERD BOOT ERROR MESSAGE - ON CAP - TIC WRITE ERROR\n\nFailed while writing data to TIC's Non volatile RAM.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236571	CERD BOOT ERROR MESSAGE - ON CAP - TIMER ERROR\n Failed while synchronizing Real time clock and Interval timer on TIC.\n This error affects the warmup timings of the CERD peripherals.		<myhost,svr,log>
2236572	CERD BOOT ERROR MESSAGE - ON CAP - FAILED WHILE LOADING LCA FILE\n Failed while transferring data to LCA via communication port.\n Failure occurred after transferring %d long words of data.\n Actual LCA file length: %d		<myhost,svr,log>
2236596	CERD DIAG EXEC ERROR - Invalid interrupt.\n The CAP received an invalid interrupt from the TPS CPU.\n The interrupt will be ignored.\n Interrupt vector number: %d.		<myhost,svr,log>
2236597	CERD EXEC ERROR - Invalid CAP Task ID.\n The CAP is trying to process a command for an invalid CAP task ID.\n The command will be ignored.\n CAP task ID: %d.		<myhost,svr,log>
2236598	CERD Diags : Exciter DPR pattern test failure (from CAP processor)\n Address : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>
2236599	CERD Diags : Exciter DPR address test failure (from CAP processor)\n Address : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>
2236600	CERD Diags : Exciter DPR walking 1s/0s test failure (from CAP processor)\n Address : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>
2236601	CERD Diags : CAP SRAM pattern test failure (from CAP processor)\n Address : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>
2236602	CERD Diags : CAP SRAM address test failure (from CAP processor)\n Address : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>
2236603	CERD Diags : CAP SRAM walking 1s/0s test failure (from CAP processor)\n Address : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>
2236604	CERD Diags : VME DPR pattern test failure (from CAP processor)\n Address : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236605	CERD Diags : VME DPR address test failure (from CAP processor)\n Address : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>
2236606	CERD Diags : VME DPR walking 1s/0s test failure (from CAP processor)\n Address : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>
2236607	CERD Diags : VSB DPR pattern test failure (from CAP processor)\n Address : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>
2236608	CERD Diags : VSB DPR address test failure (from CAP processor)\n Address : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>
2236609	CERD Diags : VSB DPR walking 1s/0s test failure (from CAP processor)\n Address : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>
2236610	CERD Diags : Memory test failed on CAP SRAM. This is a Fatal error.\n CERD boot is aborted. If the error can be reproduced, the CERD board\n needs to be replaced.\n Address : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>
2236611	CERD Diags : Memory test failed on VME DPR between CAP and TPS (from CAP).\n This is a Fatal error. If the error can be reproduced, the CERD board\n needs to be replaced.\n Address : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>
2236612	CERD Diags : CAP Qout memory pattern test failure (from CAP processor)\n Address : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>
2236613	CERD Diags : CAP Qout memory address test failure (from CAP processor)\n Address : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>
2236614	CERD Diags : CAP Qout memory walking 1s/0s test failure (from CAP processor)\n Address : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236615	CERD Diags : CAP Qout memory test failure (from CAP processor).\n CAP could not obtain the AIME Qout memory.		<myhost,svr,log>
2236616	CERD Diags : Memory test failed on CAP Qout memory. This is a Fatal error.\n If the error can be reproduced, the CERD board needs to be replaced.\n Address : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>
2236617	CERD Diags : ASC-CAP Interrupt Test Failed\n Number of interrupts expected : 1\n Number of interrupts received : %d		<myhost,svr,log>
2236618	CERD Diags : VIC register test failure (from CAP processor)\n VIC reset did not complete.\n Timeout : %08xH\n Mode : %08xH		<myhost,svr,log>
2236619	CERD Diags : VIC register test failure (from CAP processor)\n CAP could not get VIC local bus.\n Timeout : %08xH\n Mode : %08xH		<myhost,svr,log>
2236620	CERD Diags : VIC register test failure (from CAP processor)\n An incorrect initial value is detected.\n Address : %08xH\n Expected : %08xH\n Actual : %08xH\n Mode : %08xH		<myhost,svr,log>
2236621	CERD Diags : VIC register test pattern test failure (from CAP processor)\n Address : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>
2236622	CERD Diags : VIC register test address test failure (from CAP processor)\n Address : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>
2236623	CERD Diags : VIC register test walking 1s/0s test failure (from CAP processor)\n Address : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>
2236624	CERD Diags : DUART test failure (from CAP processor)\n DUART did not get TX ready.\n Channel : %08xH\n Timeout : %08xH		<myhost,svr,log>
2236625	CERD Diags : DUART test failure (from CAP processor)\n DUART did not get RX ready.\n Channel : %08xH\n Timeout : %08xH		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236626	CERD Diags : DUART test failure (from CAP processor)\n Channel : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>
2236627	CERD Diags : DUART test failure (from CAP processor)\n DUART detected an error.\n Channel : %08xH\n Status : %08xH		<myhost,svr,log>
2236628	CERD Diags : RTC test pattern test failure (from CAP processor)\n Address : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>
2236629	CERD Diags : RTC test address test failure (from CAP processor)\n Address : %08xH\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>
2236630	CERD Diags : RTC test failure (from CAP processor)\n Real time counter error.\n Expected time : %08xH\n Actual time : %08xH		<myhost,svr,log>
2236631	CERD Diags : RTC test failure (from CAP processor)\n Interval time counter error.\n Expected time : %08xH\n Actual time : %08xH		<myhost,svr,log>
2236632	CERD Diags : RTC test failure (from CAP processor). Read access failure.		<myhost,svr,log>
2236633	CERD Diags : RTC test failure (from CAP processor). Write access failure.		<myhost,svr,log>
2236634	CERD Diags : RTC test failure (from CAP processor)\n Incorrect Check Sum is found.		<myhost,svr,log>
2236635	CERD Diags : RTC test failure (from CAP processor)\n CAP could not restore NVRAM correctly.		<myhost,svr,log>
2236636	CERD Diags : Exciter manual test playout_coarse_phase failure.		<myhost,svr,log>
2236637	CERD Diags : Exciter manual test playout_fine_phase failure.		<myhost,svr,log>
2236638	CERD Diags : Exciter manual test playout_coarse_slice failure.		<myhost,svr,log>
2236639	CERD Diags : Exciter manual test playout_fine_slice failure.		<myhost,svr,log>
2236640	CERD Diags : Exciter manual test playout_coarse_rho failure.		<myhost,svr,log>
2236641	CERD Diags : Exciter manual test playout_fine_rho failure.		<myhost,svr,log>
2236642	CERD Diags : Exciter manual test playout_dc_rho failure.		<myhost,svr,log>
2236643	CERD Diags : Exciter manual test playout_sine_rho failure.		<myhost,svr,log>
2236644	CERD Diags : Exciter manual test Power Amp disable test failure.\n Power Amp should be disabled but actually is not disabled.\n Expected : %08xH\n Actual : %08xH		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236645	CERD Diags : Exciter manual test Power Amp disable test failure.\n\nPower Amp should not be disabled but actually is disabled.\n\nExpected : %08xH\n\nActual : %08xH		<myhost,svr,log>
2236646	CERD Diags : Exciter manual test Power Amp disable test failure.\n\nA driver error detected in Poweramp Disable Test.		<myhost,svr,log>
2236647	CERD Diags : Exciter manual test Pre-Amp bias foldback test failure.\n\nPre Amp should be on the foldback condition but actually is not.\n\nExpected at Coil : %08xH		<myhost,svr,log>
2236648	CERD Diags : Exciter manual test Pre-Amp bias foldback test failure.\n\nPre Amp should not be on the foldback condition but actually is.\n\nActually at Coil : %08xH		<myhost,svr,log>
2236649	CERD Diags : Exciter manual test Pre-Amp bias foldback test failure.\n\nA driver error detected in Preamp Bias Foldback Test.		<myhost,svr,log>
2236650	CERD Diags : Exciter manual test RF multiplexer test failure.\n\nRF signal should be detected but actually is not detected.\n\nSelect : %08xH\n\nCoil : %08xH\n\nModule : %08xH		<myhost,svr,log>
2236651	CERD Diags : Exciter manual test RF multiplexer test failure.\n\nRF signal should not be detected but actually is detected.\n\nSelect : %08xH\n\nCoil : %08xH\n\nModule : %08xH		<myhost,svr,log>
2236652	CERD Diags : Exciter manual test RF multiplexer test failure.\n\nA driver error detected in Multiplexer Test.		<myhost,svr,log>
2236653	CERD Diags : Receiver tests were aborted since the CERD board\n\nis not equipped with analog receiver hardware.		<myhost,svr,log>
2236696	CERD Diags : Analog receiver test failure (ASC RPC call failed)\n\nReceiver: %d. Run CAP, ASC, AIME, and RAP board level diagnostics.\n\nError status: %d, NumPts: %d, QOUTaddr: %08xH		<myhost,svr,log>
2236697	CERD Diags : Analog Receiver Channel Present LO Test Failure\n\nReceiver channel %d is not present per the RF Receiver Status register.\n\nCheck that the receiver module is correctly installed on the CERD board.		<myhost,svr,log>
2236698	CERD Diags : Analog Receiver Channel Present LO Test Failure\n\nReceiver channel %d is missing LO1 or LO2 per RF Receiver Status register.\n\nCheck receiver module installation.		<myhost,svr,log>
2236699	CERD Diags : Analog Receiver Loopback Test Failure\n\nReceiver channel %d has an out-of-range ADC offset.\n\nOffset: %d, Min.Allowed: %d, Max.Allowed: %d, RHO mult: %d		<myhost,svr,log>
2236700	CERD Diags : Analog Rcvr Lpbk Test Failure\n\nRcvr channel %d has out-of-range amplitude (possible gain error)\n\nAmplitude: %d, Min: %d, Max: %d, RHO mult: %d\n\nThis error may occur due to warmup when a syscab is powered up,\n\nbut should pass in 15-20 minutes.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236701	CERD Diags : Analog Receiver Loopback Test Failure\n\nReceiver channel %d has an out-of-range RMS noise value.\n\nRMS Value: %d, Min.Allowed: %d, Max.Allowed: %d, RHO mult: %d		<myhost,svr,log>
2236702	CERD Diags : Analog Receiver Unblank Test Failure\n\nReceiver channel %d has an out-of-range amplitude during receiver unblank.\n\nAmplitude: %d, Min.Allowed: %d, Max.Allowed: %d, RHO mult: %d		<myhost,svr,log>
2236703	CERD Diags : Analog Receiver Attenuation Test Failure\n\nReceiver channel %d has an out-of-range amplitude for an R1 attenuation.\n\nAmplitude: %d, Min.Allowed: %d, Max.Allowed: %d, R1 dB: %d		<myhost,svr,log>
2236704	CERD Diags : Analog Receiver Select Test Failure\n\nReceiver channel %d has an out-of-range amplitude (R1 is unique per channel).\n\nAmplitude: %d, Min.Allowed: %d, Max.Allowed: %d, R1 dB: %d		<myhost,svr,log>
2236705	CERD Diags : Analog Receiver Anti Alias Filter Test Failure\n\nReceiver channel %d has poor frequency response (fixed antialias filter).\n\nFFT Mag: %d, Min.Allowed: %d, Max.Allowed: %d, Freq.Hz: %d		<myhost,svr,log>
2236706	CERD Diags : Analog Receiver Narrowband Filter Select Test Failure\n\nReceiver channel %d has poor frequency response (selectable BP filter).\n\nFFT Mag: %d, Min.Allowed: %d, Max.Allowed: %d, Freq.Hz: %d		<myhost,svr,log>
2236707	CERD Diags : Analog Receiver Narrowband Filter Two Tone Test Failure\n\nReceiver channel %d has large third-order intermodulation products.\n\nFFT Mag: %d, Min.Allowed: %d, Max.Allowed: %d, Freq.Hz: %d		<myhost,svr,log>
2236708	CERD Diags : Wideband Exciter LO PLL & uC Comm Test Failure\n\nThe Comm link between CERD and Exciter uC is bad or the Exciter PLL is not working.\n\nCheck that the exciter module is correctly installed on the CERD board.		<myhost,svr,log>
2236709	CERD Diags : Analog Exciter Local Oscillator Test Failure\n\nLO2 is not detected on the exciter module.\n\nCheck that the exciter module is correctly installed on the CERD board.		<myhost,svr,log>
2236710	CERD Diags : Analog exciter maximum output level is out of range\n\nCheck that the exciter module is correctly installed on the CERD board.		<myhost,svr,log>
2236711	CERD Diags : Analog exciter RF blank output level is out of range\n\nCheck that the exciter module is correctly installed on the CERD board.		<myhost,svr,log>
2236712	CERD Diags : Analog exciter 30 dB test output level is out of range\n\nCheck that the exciter module is correctly installed on the CERD board.		<myhost,svr,log>
2236713	CERD Diags : Analog Exciter RF Output Test Failure\n\nCoarse attenuation output is out of range.\n\nCheck that the exciter module is correctly installed on the CERD board.		<myhost,svr,log>
2236714	CERD Diags : Analog exciter fine attenuation output is out of range\n\nCheck that the exciter module is correctly installed on the CERD board.		<myhost,svr,log>
2236715	CERD Diags : Analog exciter loopback output level is out of range\n\nCheck that the exciter module is correctly installed on the CERD board.		<myhost,svr,log>
2236716	CERD Diags : Analog exciter RHO modulation output is out of range\n\nCheck that the exciter module is correctly installed on the CERD board.		<myhost,svr,log>
2236717	CERD Diags : Analog exciter center frequency output is out of range\n\nCheck that the exciter module is correctly installed on the CERD board.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236718	CERD Diags : Analog Exciter RF Blank Test Failure\n Exciter loopback has an out-of-range amplitude during exciter RF blanking.\n Amplitude: %d, Min.Allowed: %d, Max.Allowed: %d\n Unblanked Amplitude: %d		<myhost,svr,log>
2236719	CERD Diags : Analog Exciter RF Attenuation Test Failure\n Exciter loopback has an out-of-range amplitude for a coarse attenuation.\n Amplitude: %d, Min.Allowed: %d, Max.Allowed: %d, Atten.dB: %d\n Amplitude at 0 dB: %d		<myhost,svr,log>
2236720	CERD Diags : Analog Exciter RF Attenuation Test Failure\n Exciter loopback has an out-of-range amplitude for a fine attenuation.\n Amplitude: %d, Min.Allowed: %d, Max.Allowed: %d, Atten.Value: %d\n Amplitude at 0 dB: %d		<myhost,svr,log>
2236721	CERD Diags: Bad BLD Server Request.\n The CERD Exec task on the CAP received an invalid request\n from one of the TPS board level diags.\n Request number: %d		<myhost,prg,log>
2236722	CERD Diags: Fast Receiver Analog Loopback Test Failure.\n Unable to put the CERD Ex/Rcvr in loopback mode. This test\n will fail and will probably log additional errors.\n FRU(s): CERD Dig Bd, CERD Analog Exciter.		<myhost,svr,log>
2236723	CERD Diags: Fast Receiver Analog Loopback Test Failure.\n The test timed out after %d sec waiting for XD bus data.\n Check Fast Receiver power and connections.\n Exp: %4d XD pts.\n Rcvd: %4d XD pts.\n FRU(s): CERD Dig Bd, Fast Rcvr Bds + Cables		<myhost,svr,log>
2236724	CERD Diags: Fast Receiver Analog Loopback Test Failure.\n The average DC offset is out of range in the I or Q signal path.\n Min: %d counts\n Max: %d counts\n Measured DC offset: %d.%1d counts\n Which path: %c\n FRU(s): CERD Ex/Rcvr, Fast Rcvr Bds, Cables		<myhost,svr,log>
2236725	CERD Diags: Fast Receiver Analog Loopback Test Failure.\n The Fast Receiver has an out-of-range amplitude (i.e. possible gain error).\n Min: %d counts\n Max: %d counts\n Measured Amplitude: %d counts\n FRU(s): CERD Ex/Rcvr, Fast Rcvr Bds, Cables		<myhost,svr,log>
2236726	CERD Diags: Fast Receiver Analog Loopback Test Failure.\n The Fast Receiver has an out-of-range RMS noise value.\n Max: %d counts\n Measured RMS noise: %d.%1d counts\n FRU(s): CERD Ex/Rcvr, Fast Rcvr Bds, Cables		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236727	CERD Diags : Analog Receiver Anti Alias Filter Test RESULTS\n Receiver channel %d has bandwidth of %d kHz.\n This is a configuration message, NOT a test error.		<myhost,svr,log>
2236756	CERD Diags : Exciter Initialization Failure\n Could not init the Exciter to perform diags.\n FRU(s) indicated : CERD digital board, or Exciter RF module		<myhost,svr,log>
2236757	CERD Diags : Digital Exciter Register Test Failure\n Value written (and expected) : %d\n Value read %d\n Register Address: %x (indicates which register failed)\n FRU(s) indicated : CERD digital board		<myhost,svr,log>
2236758	CERD Diags : Digital Exciter Pattern Test Failure\n Value written (and expected) : %d\n Value read %d\n Register Address: %x (indicates which register failed)\n FRU(s) indicated : CERD digital board		<myhost,svr,log>
2236759	CERD Diags : Digital Exciter DDS Center Frequency Test Failure\n Value written %d differs from value read %d.\n Sine LUT Address: %x		<myhost,svr,log>
2236760	CERD Diags : Digital Exciter DDS Slice Frequency Test Failure\n Value written %d differs from value read %d.\n Sine LUT Address: %x		<myhost,svr,log>
2236761	CERD Diags : Digital Exciter DDS RHO Frequency Test Failure\n Value written %d differs from value read %d.\n Sine LUT Address: %x		<myhost,svr,log>
2236762	CERD Diags : Digital Exciter Sine LUT Center/Slice Test Failure\n Expected value %d differs from value read %d.		<myhost,svr,log>
2236763	CERD Diags : Digital Exciter Sine LUT Rho Test Failure\n Expected value %d differs from value read %d.		<myhost,svr,log>
2236764	CERD Diags : Digital Exciter Rho Multiplier 1 Test Failure		<myhost,svr,log>
2236765	CERD Diags : Digital Exciter Rho Multiplier 2 Test Failure		<myhost,svr,log>
2236766	CERD Diags : Digital Exciter Frequency Cancel Center/Slice Test Failure		<myhost,svr,log>
2236767	CERD Diags : Digital Exciter Frequency Cancel Positive Test Failure		<myhost,svr,log>
2236768	CERD Diags : Digital Exciter Frequency Cancel Negative Test Failure		<myhost,svr,log>
2236769	CERD Diags : Digital Receiver Register Test Failure\n Value written (and expected) : %d\n Value read %d\n Register Address: %x (indicates which register failed)\n FRU(s) indicated : CERD digital board		<myhost,svr,log>
2236770	CERD Diags : Digital Receiver Pattern Test Failure\n Value written (and expected) : %d\n Value read %d\n Register Address: %x (indicates which register failed)\n FRU(s) indicated : CERD digital board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236816	ISE DP: Bad Datapath Server Request.\n\nThe CERD Exec task on the CAP received an invalid request\n\nfrom one of the TPS datapath tasks.\n\nRequest number: %d		<myhost,prg,log>
2236817	ISE DP: RF Bus Test error.\n\nThe RF Bus task on the CAP received an invalid command from the TPS task.\n\nCommand number: %d		<myhost,prg,log>
2236818	ISE DP: RF Bus Test Timeout.\n\nThe CERD timed out after %d seconds. All RF bus data points were not received.\n\nExpected: %d data points\n\nReceived: %d data points\n\nFRU(s): CERD Digital Bd, IPG		<myhost,svr,log>
2236819	ISE DP: RF Bus Test error.\n\nThe CERD received an SSP packet from the IPG with invalid TAG bits.\n\nTags expected: %05xH\n\nTags received: %05xH\n\nFRU(s): CERD Digital Bd, IPG		<myhost,svr,log>
2236820	ISE DP: RF Bus Test error.\n\nThe CERD received an SSP packet with an invalid device code.\n\nIt should have been the CAP device code.\n\nCAP device code: %d\n\nDevice code received: %d\n\nFRU(s): CERD Digital Bd, IPG		<myhost,svr,log>
2236821	ISE DP: RF Bus Test Failure.\n\nAn invalid RHO value has been received via the RF bus.\n\nData exp: %04xH\n\nData read: %04xH\n\nData index: %d\n\nFRU(s): CERD Digital Bd, IPG		<myhost,svr,log>
2236822	ISE DP: RF Bus Test Failure.\n\nAn invalid THETA value has been received via the RF bus.\n\nData exp: %04xH\n\nData read: %04xH\n\nData index: %d\n\nFRU(s): CERD Digital Bd, IPG		<myhost,svr,log>
2236823	ISE DP: RF Bus Test Failure.\n\nAn invalid OMEGA value has been received via the RF bus causing an\n\ninvalid Sine value to be read.\n\nSine val exp: %03xH\n\nSine val read: %03xH\n\nOmega val: %04xH\n\nData index: %d\n\nFRU(s): CERD Digital Bd, IPG		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236824	ISE DP: SSP Bus Test error.\n\ The SSP Bus task on the CAP received an invalid command from the TPS task.\n\ Command number: %d		<myhost,prg,log>
2236825	ISE DP: SSP Bus Test Timeout.\n\ The CERD timed out after %d seconds. All SSP interrupts were not received.\n\ Expected: %d interrupts\n\ Received: %d interrupts\n\ FRU(s): CERD Digital Bd, IPG		<myhost,svr,log>
2236826	ISE DP: SSP Bus Test error.\n\ The CERD received an SSP packet from the IPG with invalid TAG bits.\n\ Tags expected: %05xH\n\ Tags received: %05xH\n\ FRU(s): CERD Digital Bd, IPG		<myhost,svr,log>
2236827	ISE DP: SSP Bus Test error.\n\ The CERD received an SSP packet with an invalid device code.\n\ It should have been the CAP device code.\n\ CAP device code: %d\n\ Device code received: %d\n\ FRU(s): CERD Digital Bd, IPG		<myhost,svr,log>
2236828	ISE DP: SSP Bus Test error.\n\ The CERD received an SSP packet with incorrect tag bits.\n\ The tag bits should have been DEVICE SELECT and OPCODE.\n\ Tags expected: %05xH\n\ Tags received: %05xH\n\ FRU(s): CERD Digital Bd, IPG		<myhost,svr,log>
2236829	ISE DP: SSP Bus Test error.\n\ The CERD SSP hardware is not filtering out SSP NOP's properly.\n\ The tag bits should have been DATA and DATA.\n\ Tags expected: %05xH\n\ Tags received: %05xH\n\ FRU(s): CERD Digital Bd, IPG		<myhost,svr,log>
2236830	ISE DP: SSP Bus Test error.\n\ The CERD SSP hardware did not pad an SSP Opcode with an SSP NOP.\n\ The tag bits should have been NOP and OPCODE.\n\ Tags expected: %05xH\n\ Tags received: %05xH\n\ FRU(s): CERD Digital Bd, IPG		<myhost,svr,log>
2236831	ISE DP: SSP Bus Test error.\n\ An invalid SSP value has been received by the CAP via the SSP bus.\n\ Data exp: %02xH\n\ Data read: %02xH\n\ Data index: %d\n\ FRU(s): CERD Digital Bd, IPG		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236832	ISE DP: SSP Bus Test error.\n An invalid SSP value has been received by the Exciter Theta\n register (high byte) via the SSP bus.\n Data exp: %02xH\n Data read: %02xH\n Data index: %d\n FRU(s): CERD Digital Bd, IPG		<myhost,svr,log>
2236833	ISE DP: SSP Bus Test error.\n An invalid SSP value has been received by the Exciter Attenuation\n register via the SSP bus.\n Data exp: %04xH\n Data read: %04xH\n FRU(s): CERD Digital Bd, IPG		<myhost,svr,log>
2236834	ISE DP: SSP Bus Test error.\n An invalid SSP value has been received by the Exciter Theta\n register via the SSP bus.\n Data exp: %04xH\n Data read: %04xH\n FRU(s): CERD Digital Bd, IPG		<myhost,svr,log>
2236835	ISE DP: SSP Bus Test error.\n The SSP lock bit could not be set via an SSP bus write to the\n Exciter Unblank register. The lock bit is read back in\n Exciter Status register #1.\n Status exp: %02xH\n Status read: %02xH\n FRU(s): CERD Digital Bd, IPG		<myhost,svr,log>
2236836	ISE DP: SSP Bus Test error.\n An invalid SSP value has been received by the Receiver Filter\n Select register via the SSP bus.\n Data exp: %02xH\n Data read: %02xH\n FRU(s): CERD Digital Bd, IPG		<myhost,svr,log>
2236837	ISE DP: SSP Bus Test error.\n An invalid SSP value has been received by one of the Receiver\n Attenuation registers via the SSP bus.\n Rcvr no.: %d\n Data exp: %02xH\n Data read: %02xH\n FRU(s): CERD Digital Bd, IPG		<myhost,svr,log>
2236838	ISE DP: SSP Bus Test error.\n An invalid SSP value has been received by the Exciter\n Miscellaneous register via the SSP bus.\n Data exp: %02xH\n Data read: %02xH\n FRU(s): CERD Digital Bd, IPG		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236839	ISE DP: SSP Bus Test error.\n An invalid SSP value has been received by one of the Exciter\n RF DDS regs (center, slice, or theta) via the SSP bus causing\n an invalid Sine value to be read.\n Sine exp: %03xH\n Sine read: %03xH\n FRU(s): CERD Digital Bd, IPG		<myhost,svr,log>
2236840	ISE DP: SSP Bus Test error.\n An invalid SSP value has been received by one of the Exciter\n RHO DDS regs (freq or phase) via the SSP bus causing an invalid\n Sine value to be read.\n Sine exp: %03xH\n Sine read: %03xH\n FRU(s): CERD Digital Bd, IPG		<myhost,svr,log>
2236841	ISE DP: XD Bus Monitor Test error.\n The XD Bus task on the CAP received an invalid command from the TPS task.\n Command number: %d		<myhost,prg,log>
2236842	ISE DP: XD Bus Monitor Test Timeout.\n The CERD timed out after %d seconds. All XD bus data points\n were not broadcast. Tried to broadcast %d data points.\n FRU(s): CERD Digital Bd, IPG		<myhost,svr,log>
2236843	ISE DP: VSB Bus Test error.\n The VSB Bus task on the CAP received a VSB transfer request\n that specified an invalid VSB transfer mode.\n Mode: %d		<myhost,prg,log>
2236844	ISE DP: VSB Transfer Failure.\n The VSB LCA has detected a VSB transfer error while doing\n a CAP to MEDCAM/SBAM blockmode data transfer. See errors that\n follow for more information.\n FRU(s): CERD Digital Bd, MEDCAM/SBAM		<myhost,svr,log>
2236845	ISE DP: VSB Transfer Failure.\n The VSB LCA has detected a VSB transfer error while doing\n a MEDCAM/SBAM to CAP blockmode data transfer. See errors that\n follow for more information.\n FRU(s): CERD Digital Bd, MEDCAM/SBAM		<myhost,svr,log>
2236846	ISE DP: VSB Transfer Failure.\n The VSB LCA has detected a VSB transfer error while doing\n a CAP to MEDCAM/SBAM blockmode memory fill. See errors that\n follow for more information.\n FRU(s): CERD Digital Bd, MEDCAM/SBAM		<myhost,svr,log>
2236847	ISE DP: VSB Transfer Failure.\n The VSB LCA has detected a VSB transfer error while doing\n a CAP to MEDCAM/SBAM NON-blockmode data transfer. See errors that\n follow for more information.\n FRU(s): CERD Digital Bd, MEDCAM/SBAM		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236848	ISE DP: VSB Transfer Failure.\n The VSB LCA has detected a VSB transfer error while doing\n a MEDCAM/SBAM to CAP NON-blockmode data transfer. See errors that\n follow for more information.\n FRU(s): CERD Digital Bd, MEDCAM/SBAM		<myhost,svr,log>
2236849	ISE DP: VSB Transfer Failure.\n A VSB transfer was started but the VSB task on the CAP timed out\n after %d seconds because a VSB LCA interrupt was not received.\n VSB status register: %03xH\n FRU(s): CERD Digital Bd, MEDCAM/SBAM		<myhost,svr,log>
2236850	ISE DP: VSB Transfer Failure.\n The VSB LCA timed out due to no response from the VSB slave\n device (i.e. MEDCAM/SBAM).\n VSB status register: %03xH\n FRU(s): CERD Digital Bd, MEDCAM/SBAM		<myhost,svr,log>
2236851	ISE DP: VSB Transfer Failure.\n The VSB transfer failed due to a VSB Bus error being asserted\n on the VSB bus (mostly likely due to a VSB parity error).\n VSB status register: %03xH\n FRU(s): CERD Digital Bd, MEDCAM/SBAM		<myhost,svr,log>
2236852	ISE DP: VSB Transfer Failure.\n The VSB transfer failed because the CAP was unable to access\n the VSB Dual Port RAM (due to collision with VSB LCA access).\n VSB status register: %03xH\n FRU(s): CERD Digital Bd, MEDCAM/SBAM		<myhost,svr,log>
2236853	ISE DP: VSB Transfer Failure.\n The VSB transfer failed because the VSB LCA was unable to access\n the VSB Dual Port RAM (due to collision with CAP access).\n VSB status register: %03xH\n FRU(s): CERD Digital Bd, MEDCAM/SBAM		<myhost,svr,log>
2236854	ISE DP: VSB Bus Test Failure.\n A data error occurred during MEDCAM/SBAM to CAP blockmode transfer.\n The data was verified by the CAP.\n CAP addr: %08xH\n VME addr: %08xH\n Data exp: %08xH\n Data read: %08xH\n Pkg size: %08xH\n FRU(s): CERD Digital Bd, MEDCAM/SBAM		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236855	<p>ISE DP: VSB Bus Test Failure.\n</p> <p>A data error occurred during MEDCAM/SBAM to CAP NON-blockmode transfer.\n</p> <p>The data was verified by the CAP.\n</p> <p>CAP addr: %08xH\n</p> <p>VME addr: %08xH\n</p> <p>Data exp: %08xH\n</p> <p>Data read: %08xH\n</p> <p>Pkg size: %08xH\n</p> <p>FRU(s): CERD Digital Bd, MEDCAM/SBAM</p>		<myhost,svr,log>
2236856	<p>ISE DP: B0 Compensation Test Failure.\n</p> <p>An invalid B0 value has been received from the WARP.\n</p> <p>Possible causes: a bad B0 datapath from the WARP (on the IPG) to\n</p> <p>the B0 input on the CERD or bad CERD Digital Exciter hardware.\n</p> <p>Run CERD Digital Exciter diags.</p>		<myhost,svr,log>
2236857	<p>ISE DP: Additional Info on B0 Compensation Test Failure.\n</p> <p>B0 value: %04xH\n</p> <p>Sine val exp: %03xH Synthesizer count exp: %d\n</p> <p>Sine val read: %03xH Synthesizer count read: %d\n</p> <p>FRU(s): CERD Digital Bd, IPG</p>		<myhost,svr,log>
2236858	<p>ISE DP: B0 Scale Test Failure.\n</p> <p>Possible causes: CERD B0 scale hardware failure, or IPG \n</p> <p>to CERD B0 datapath failure or bad CERD Digital Exciter hardware.\n</p> <p>Scale Factor: %04xH Expected Scaled B0 Value: %04xH\n</p> <p>Run CERD Digital Exciter diags.</p>		<myhost,svr,log>
2236859	<p>ISE DP: Additional Info on B0 Compensation Test Failure.\n</p> <p>Sine val exp: %03xH Synthesizer count exp: %d\n</p> <p>Sine val read: %03xH Synthesizer count read: %d\n</p> <p>FRU(s): CERD Digital Bd, IPG</p>		<myhost,svr,log>
2236860	<p>ISE DP: Fast Rcvr XD Bus Test Failure.\n</p> <p>The test timed out after %d sec waiting for XD bus data.\n</p> <p>Fast Rcvr diags mode B, setup by TPS via VME.\n</p> <p>Exp: %4d XD pts.\n</p> <p>Rcvd: %4d XD pts.\n</p> <p>FRU(s): CERD Dig Bd, Fast Rcvr Local/Remote Bds + Cables</p>		<myhost,svr,log>
2236861	<p>ISE DP: Fast Rcvr XD Bus Test Failure.\n</p> <p>The test timed out after %d sec waiting for XD bus data.\n</p> <p>Fast Rcvr diags mode A, setup by TPS via VME.\n</p> <p>Exp: %4d XD pts.\n</p> <p>Rcvd: %4d XD pts.\n</p> <p>FRU(s): CERD Dig Bd, Fast Rcvr Local/Remote Bds + Cables</p>		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2236862	ISE DP: Fast Rcvr XD Bus Test Failure.\n The test timed out after %d sec waiting for XD bus data.\n Fast Rcvr diags mode A, setup by IPG via SSP.\n Exp: %4d XD pts.\n Rcvd: %4d XD pts.\n FRU(s): CERD Dig Bd, Fast Rcvr Local/Remote Bds + Cables, IPG		<myhost,svr,log>
2236863	ISE DP: Fast Rcvr XD Bus Test Failure.\n %d of %d XD data pts are bad. Data for 1st error shown below.\n Fast Rcvr diags mode B, setup by TPS via VME.\n Index: %d\n XD exp: %08xH\n XD rd: %08xH\n FRU(s): CERD Dig Bd, Fast Rcvr Local/Remote Bds + Cables		<myhost,svr,log>
2236864	ISE DP: Fast Rcvr XD Bus Test Failure.\n %d of %d XD data pts are bad. Data for 1st error shown below.\n Fast Rcvr diags mode A, setup by TPS via VME.\n Index: %d\n XD exp: %08xH\n XD rd: %08xH\n FRU(s): CERD Dig Bd, Fast Rcvr Local/Remote Bds + Cables		<myhost,svr,log>
2236865	ISE DP: Fast Rcvr XD Bus Test Failure.\n %d of %d XD data pts are bad. Data for 1st error shown below.\n Fast Rcvr diags mode A, setup by IPG via SSP.\n Index: %d\n XD exp: %08xH\n XD rd: %08xH\n FRU(s): CERD Dig Bd, Fast Rcvr Local/Remote Bds + Cables, IPG		<myhost,svr,log>
2237116	TPS CPU BOARD POWER-UP ERROR: an unexpected interrupt occurred.\n Errmes in Progress: %04x\n Exception Stack Frame Status: %04x\n Exception Stack Frame PC: %08x\n Exception Stack Frame Vector Offset: %08x		<myhost,svr,log>
2237117	TPS CPU BOARD POWER-UP ERROR: An unexpected bus fault interrupt occurred.\n (Exception Stack Frame = ESF)\n Errmes in Progress: %04x\n ESF Status: %04x\n ESF PC: %08x\n ESF Vector Offset: %04x\n ESF Fault Address: %08x		<myhost,svr,log>
2237118	TPS CPU BOARD POWER-UP ERROR: EPROM TEST --\n EPROM Checksum error.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237119	TPS CPU BOARD POWER-UP ERROR: DRAM TEST --\n\ Dynamic RAM Pattern Test failed.\n\ Address: %08x\n\ Expected: %08x\n\ Written: %08x\n\ Actual: %08x		<myhost,svr,log>
2237120	TPS CPU BOARD POWER-UP ERROR: DRAM TEST --\n\ Dynamic RAM Refresh Test failed.\n\ Address: %08x\n\ Expected: %08x\n\ Written: %08x\n\ Actual: %08x		<myhost,svr,log>
2237121	TPS CPU BOARD POWER-UP ERROR: DRAM TEST --\n\ Dynamic RAM Address Test failed.\n\ Address: %08x\n\ Expected: %08x\n\ Written: %08x\n\ Actual: %08x		<myhost,svr,log>
2237122	TPS CPU BOARD POWER-UP ERROR: SRAM TEST --\n\ Static RAM Pattern Test failed.\n\ Address: %08x\n\ Expected: %08x\n\ Written: %08x\n\ Actual: %08x		<myhost,svr,log>
2237123	TPS CPU BOARD POWER-UP ERROR: SRAM TEST --\n\ Static RAM Address Test failed.\n\ Address: %08x\n\ Expected: %08x\n\ Written: %08x\n\ Actual: %08x		<myhost,svr,log>
2237124	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC Interrupt Vector Register pattern test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2237125	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC Timer A Interrupt Control Register pattern<12>test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2237126	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC Timer B Interrupt Control Register pattern<12>test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237127	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC Timer C Interrupt Control Register pattern<12>test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2237128	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC Timer D Interrupt Control Register pattern<12>test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2237129	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC DRAM Interrupt Control Register pattern<12>test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2237130	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC SCC Interrupt Control Register pattern<12>test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2237131	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC ABORT Interrupt Control Register pattern<12>test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2237132	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC SCSI Interrupt Control Register pattern<12>test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2237133	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC Timer A Data Compare Register pattern<12>test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237134	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC Timer B Data Compare Register pattern<12>test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237135	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC Timer C Data Compare Register pattern<12>test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237136	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC Timer D Data Compare Register pattern<12>test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237137	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC Timer A Data Count Register pattern<12>test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237138	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC Timer B Data Count Register pattern<12>test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237139	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC Timer C Data Count Register pattern<12>test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237140	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC Timer D Data Count Register pattern<12>test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237141	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC Timer A failed the linearity test. Timer<12>not monotonically increasing.\n\ Previous Count: %08x\n\ Current Count: %08x		<myhost,svr,log>
2237142	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC Timer B failed the linearity test. Timer<12>not monotonically increasing.\n\ Previous Count: %08x\n\ Current Count: %08x		<myhost,svr,log>
2237143	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC Timer C failed the linearity test. Timer<12>not monotonically increasing.\n\ Previous Count: %08x\n\ Current Count: %08x		<myhost,svr,log>
2237144	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC Timer D failed the linearity test. Timer<12>not monotonically increasing.\n\ Previous Count: %08x\n\ Current Count: %08x		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237145	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC Timer A failed to interrupt.\n\ Expected Interrupt Level: %02x\n\ Expected Interrupt Vector Number: %02x\n\ MC IPRA: %02x		<myhost,svr,log>
2237146	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC Timer B failed to interrupt.\n\ Expected Interrupt Level: %02x\n\ Expected Interrupt Vector Number: %02x\n\ MC IPRA: %02x		<myhost,svr,log>
2237147	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC Timer C failed to interrupt.\n\ Expected Interrupt Level: %02x\n\ Expected Interrupt Vector Number: %02x\n\ MC IPRA: %02x		<myhost,svr,log>
2237148	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC Timer D failed to interrupt.\n\ Expected Interrupt Level: %02x\n\ Expected Interrupt Vector Number: %02x\n\ MC IPRA: %02x		<myhost,svr,log>
2237149	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC Timers A and B failed to interrupt the<12>CPU at consistant intervals.\n\ Timer A Interrupt Count: %04x\n\ Timer B Interrupt Count: %04x		<myhost,svr,log>
2237150	TPS CPU BOARD POWER-UP ERROR: MC TEST --\n\ MC Timers C and D failed to interrupt the<12>CPU at consistant intervals.\n\ Timer A Interrupt Count: %04x\n\ Timer B Interrupt Count: %04x		<myhost,svr,log>
2237151	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME VSAR1 Register pattern test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237152	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME VSAR2 Register pattern test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237153	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME VSATR1 Register pattern test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237154	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME VSATR2 Register pattern test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237155	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME LBSAR1 Register pattern test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237156	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME LBSAR2 Register pattern test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237157	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME LBSAR3 Register pattern test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237158	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME LBSAR4 Register pattern test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237159	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME LBSATR1 Register pattern test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237160	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME DMACLBAC Register pattern test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237161	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME DMACVAC Register pattern test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237162	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME DMACBC Register pattern test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237163	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME TAC Register pattern test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237164	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME TTCOMP1 Register pattern test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237165	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME TTCOUNT1 Register pattern test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237166	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME TTCOMP2 Register pattern test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237167	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME TTCOUNT2 Register pattern test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237168	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME ILR1 Register pattern test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237169	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME ILR2 Register pattern test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237170	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME ILR3 Register pattern test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237171	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME ILR4 Register pattern test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237172	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME LBIER Register pattern test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237173	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME IOCR Register pattern test failed.\n\ Written: %08x\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237174	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME GPR0H Register pattern test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2237175	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME GPR1H Register pattern test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2237176	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME GPR2H Register pattern test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2237177	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME GPR3H Register pattern test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2237178	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME GPR4H Register pattern test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2237179	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME GPR5H Register pattern test failed.\n\ Written: %02x\n\ Expected: %02x\n\ Actual: %02x		<myhost,svr,log>
2237180	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME Timer A failed the linearity test. Timer<12>not monotonically increasing.\n\ Previous Count: %08x\n\ Current Count: %08x		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237181	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n VME Timer B failed the linearity test. Timer<12>not monotonically increasing.\n Previous Count: %08x\n Current Count: %08x		<myhost,svr,log>
2237182	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n VME Timer A failed to interrupt.\n Expected Interrupt Level: %02x\n Expected Interrupt Vector Number: %02x\n MC IPRA: %02x		<myhost,svr,log>
2237183	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n VME Timer B failed to interrupt.\n Expected Interrupt Level: %02x\n Expected Interrupt Vector Number: %02x\n MC IPRA: %02x		<myhost,svr,log>
2237184	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n VME Timers A and B failed to interrupt the<12>CPU at consistant intervals.\n Timer A Interrupt Count: %04x\n Timer B Interrupt Count: %04x		<myhost,svr,log>
2237185	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n VME Software Interrupt 0 test is in an unexpected state.\n Interrupt count expected: %04x\n Interrupt count found: %04x\n Interrupt flag expected: %08x\n Interrupt flag found: %08x		<myhost,svr,log>
2237186	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n VME Software Interrupt 1 test is in an unexpected state.\n Interrupt count expected: %04x\n Interrupt count found: %04x\n Interrupt flag expected: %08x\n Interrupt flag found: %08x		<myhost,svr,log>
2237187	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n VME Software Interrupt 2 test is in an unexpected state.\n Interrupt count expected: %04x\n Interrupt count found: %04x\n Interrupt flag expected: %08x\n Interrupt flag found: %08x		<myhost,svr,log>
2237188	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n VME Software Interrupt 3 test is in an unexpected state.\n Interrupt count expected: %04x\n Interrupt count found: %04x\n Interrupt flag expected: %08x\n Interrupt flag found: %08x		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237189	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME Software Interrupt 4 test is in an unexpected state.\n\ Interrupt count expected: %04x\n\ Interrupt count found: %04x\n\ Interrupt flag expected: %08x\n\ Interrupt flag found: %08x		<myhost,svr,log>
2237190	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME Software Interrupt 5 test is in an unexpected state.\n\ Interrupt count expected: %04x\n\ Interrupt count found: %04x\n\ Interrupt flag expected: %08x\n\ Interrupt flag found: %08x		<myhost,svr,log>
2237191	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME Software Interrupt 6 test is in an unexpected state.\n\ Interrupt count expected: %04x\n\ Interrupt count found: %04x\n\ Interrupt flag expected: %08x\n\ Interrupt flag found: %08x		<myhost,svr,log>
2237192	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME Software Interrupt 7 test is in an unexpected state.\n\ Interrupt count expected: %04x\n\ Interrupt count found: %04x\n\ Interrupt flag expected: %08x\n\ Interrupt flag found: %08x		<myhost,svr,log>
2237193	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME Software Interrupt 0 test did not cause interrupt.\n\ Interrupt count expected: %04x\n\ Interrupt count found: %04x\n\ Interrupt flag expected: %08x\n\ Interrupt flag found: %08x		<myhost,svr,log>
2237194	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME Software Interrupt 1 test did not cause interrupt.\n\ Interrupt count expected: %04x\n\ Interrupt count found: %04x\n\ Interrupt flag expected: %08x\n\ Interrupt flag found: %08x		<myhost,svr,log>
2237195	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME Software Interrupt 2 test did not cause interrupt.\n\ Interrupt count expected: %04x\n\ Interrupt count found: %04x\n\ Interrupt flag expected: %08x\n\ Interrupt flag found: %08x		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237196	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME Software Interrupt 3 test did not cause interrupt.\n\ Interrupt count expected: %04x\n\ Interrupt count found: %04x\n\ Interrupt flag expected: %08x\n\ Interrupt flag found: %08x		<myhost,svr,log>
2237197	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME Software Interrupt 4 test did not cause interrupt.\n\ Interrupt count expected: %04x\n\ Interrupt count found: %04x\n\ Interrupt flag expected: %08x\n\ Interrupt flag found: %08x		<myhost,svr,log>
2237198	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME Software Interrupt 5 test did not cause interrupt.\n\ Interrupt count expected: %04x\n\ Interrupt count found: %04x\n\ Interrupt flag expected: %08x\n\ Interrupt flag found: %08x		<myhost,svr,log>
2237199	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME Software Interrupt 6 test did not cause interrupt.\n\ Interrupt count expected: %04x\n\ Interrupt count found: %04x\n\ Interrupt flag expected: %08x\n\ Interrupt flag found: %08x		<myhost,svr,log>
2237200	TPS CPU BOARD POWER-UP ERROR: VME TEST --\n\ VME Software Interrupt 7 test did not cause interrupt.\n\ Interrupt count expected: %04x\n\ Interrupt count found: %04x\n\ Interrupt flag expected: %08x\n\ Interrupt flag found: %08x		<myhost,svr,log>
2237201	TPS CPU BOARD POWER-UP ERROR: FPP TEST --\n\ The Floating-Point Coprocessor is not installed.		<myhost,svr,log>
2237202	TPS CPU BOARD POWER-UP ERROR: FPP TEST --\n\ Floating-Point Coprocessor data register sliding-one pattern test failed.		<myhost,svr,log>
2237203	TPS CPU BOARD POWER-UP ERROR: FPP TEST --\n\ The Floating-Point Coprocessor multiplication instruction test failed.		<myhost,svr,log>
2237204	TPS CPU BOARD POWER-UP ERROR: FPP TEST --\n\ The Floating-Point Coprocessor addition<12>instruction test failed.		<myhost,svr,log>
2237205	TPS CPU BOARD POWER-UP ERROR: FPP TEST --\n\ The Floating-Point Coprocessor subtraction instruction test failed.		<myhost,svr,log>
2237206	TPS CPU BOARD POWER-UP ERROR: REAL-TIME CLOCK TEST --\n\ The clock value did not change in a reasonable amount of time.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237207	TPS CPU BOARD POWER-UP ERROR: REAL-TIME CLOCK TEST --\n\ Low backup battery power.\n\ wrote: 0x%02x\n\ expected: 0x%02x\n\ read back: 0x%02x		<myhost,svr,log>
2237208	TPS CPU BOARD POWER-UP ERROR: INTER-PROCESSOR TEST --\n\ IPG was not found in short I/O space.\n\ Inter-Processor Test will not be attempted.		<myhost,svr,log>
2237209	TPS CPU BOARD POWER-UP ERROR: INTER-PROCESSOR TEST --\n\ IACK chain missing. Check IACK jumpers or missing boards between\n\ IPG and CPU board.		<myhost,svr,log>
2237210	TPS CPU BOARD POWER-UP ERROR - INTER-PROCESSOR TEST\n\ IPG failed to set the flag to start Synch test.\n\ Check CPU VME bus access or IPG.		<myhost,svr,log>
2237211	TPS CPU BOARD POWER-UP ERROR: INTER-PROCESSOR TEST --\n\ Failed to receive the IPG synchronization flag.\n\ Expected: %08x\n\ Actual: %08x		<myhost,svr,log>
2237212	TPS CPU BOARD POWER-UP ERROR: IPG DPR TEST --\n\ Pattern Test failed.\n\ Address: %08x\n\ Expected: %08x\n\ Written: %08x\n\ Actual: %08x		<myhost,svr,log>
2237213	TPS CPU BOARD POWER-UP ERROR: IPG DPR TEST --\n\ Address Test failed.\n\ Address: %08x\n\ Expected: %08x\n\ Written: %08x\n\ Actual: %08x		<myhost,svr,log>
2237214	TPS CPU BOARD POWER-UP ERROR: IPG DPR TEST --\n\ Failed to receive interrupt.		<myhost,svr,log>
2237215	TPS CPU BOARD POWER-UP ERROR: INTER-PROCESSOR TEST --\n\ Spurious interrupt received.		<myhost,svr,log>
2237216	TPS CPU BOARD POWER-UP ERROR: MPCC SERIAL CONTROLLER TEST --\n\ Channel A receive character ready flag\n\ [Read Register 0, Bit 0] was not set as expected.\n\ SCCA RR0: %02x\n\ SCCA RR1: %02x\n\ SCCA RR3: %02x		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237217	TPS CPU BOARD POWER-UP ERROR: MPCC SERIAL CONTROLLER TEST --\n\ Channel B receive character ready flag\n\ [Read Register 0, Bit 1] was not set as expected.\n\ SCCB RR0: %02x\n\ SCCB RR1: %02x\n\ SCCB RR3: %02x		<myhost,svr,log>
2237218	TPS CPU BOARD POWER-UP ERROR: MPCC SERIAL CTLR TEST --\n\ Receive interrupt did not occur on MPCC chip channel A.\n\ Expected Int Level: %02x\n\ Expected Int Vector No.: %02x\n\ SCCA RR0: %02x\n\ SCCA RR1: %02x\n\ SCCA RR3: %02x		<myhost,svr,log>
2237219	TPS CPU BOARD POWER-UP ERROR: MPCC SERIAL CTLR TEST --\n\ Receive interrupt did not occur on MPCC chip channel B.\n\ Expected Int Level: %02x\n\ Expected Int Vector No.: %02x\n\ SCCB RR0: %02x\n\ SCCB RR1: %02x\n\ SCCA RR3: %02x		<myhost,svr,log>
2237220	TPS CPU BOARD POWER-UP ERROR: MPCC SERIAL CONTROLLER TEST --\n\ TX buffer was not empty after waiting 2 MS on MPCC chip Channel A.\n\ SCCA RR0: %02x\n\ SCCA RR3: %02x		<myhost,svr,log>
2237221	TPS CPU BOARD POWER-UP ERROR: MPCC SERIAL CONTROLLER TEST --\n\ TX buffer was not empty after waiting 2 MS on MPCC chip Channel B.\n\ SCCB RR0: %02x\n\ SCCB RR3: %02x		<myhost,svr,log>
2237222	TPS CPU BOARD POWER-UP ERROR: MPCC SERIAL CONTROLLER TEST --\n\ TX-Buffer-Empty-Flag not clear after 5 writes to MPCC Channel A.\n\ SCCA RR0: %02x\n\ SCCA RR3: %02x		<myhost,svr,log>
2237223	TPS CPU BOARD POWER-UP ERROR: MPCC SERIAL CONTROLLER TEST --\n\ TX-Buffer-Empty-Flag not clear after 5 writes to MPCC Channel B.\n\ SCCB RR0: %02x\n\ SCCB RR3: %02x		<myhost,svr,log>
2237224	TPS CPU BOARD POWER-UP ERROR: MPCC SERIAL CONTROLLER TEST --\n\ TX buffer was not empty after setup of MPCC chip Channel A.\n\ SCCA RR0: %02x\n\ SCCA RR3: %02x		<myhost,svr,log>
2237225	TPS CPU BOARD POWER-UP ERROR: MPCC SERIAL CONTROLLER TEST --\n\ TX buffer was not empty after setup of MPCC chip Channel B.\n\ SCCB RR0: %02x\n\ SCCB RR3: %02x		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237226	TPS CPU BOARD POWER-UP ERROR: MPCC SERIAL CONTROLLER TEST --\n Data transmitted was not the same as the data received on MPCC chip\n Channel A.\n Transmitted: %02x\n Received: %02x		<myhost,svr,log>
2237227	TPS CPU BOARD POWER-UP ERROR: MPCC SERIAL CONTROLLER TEST --\n Data transmitted was not the same as the data received on MPCC chip\n Channel B.\n Transmitted: %02x\n Received: %02x		<myhost,svr,log>
2237228	TPS CPU BOARD POWER-UP ERROR: MPCC SERIAL CONTROLLER TEST --\n Transmit interrupt did not occur on MPCC chip Channel A.\n Expected Interrupt Level: %02x\n Expected Interrupt Vector Number: %02x\n SCCA RR0: %02x\n SCCA RR3: %02x		<myhost,svr,log>
2237229	TPS CPU BOARD POWER-UP ERROR: MPCC SERIAL CONTROLLER TEST --\n Transmit interrupt did not occur on MPCC chip Channel B.\n Expected Interrupt Level: %02x\n Expected Interrupt Vector Number: %02x\n SCCB RR0: %02x\n SCCB RR3: %02x		<myhost,svr,log>
2237256	CERD BOOT ERROR - ON TPS - SEMAPHORE ERROR\n Failed while creating semaphore to inhibit multiple invocations of CERD boot.		<myhost,svr,log>
2237257	CERD BOOT ERROR - ON TPS - SEMAPHORE NOT AVAILABLE\n Failed while taking semaphore associated with CERD boot software.\n Semaphore is taken by some other task on TPS side (i.e. CERD boot\n already started by another task).		<myhost,svr,log>
2237258	CERD BOOT ERROR - ON TPS - FILE OPEN ERROR\n File open of the following file failed on the TPS CPU.\n Verify that the file is present and has read permission.\n If so, possible TPS CPU or BIT3 hardware problem.\n File: %s%s%s		<myhost,svr,log>
2237259	CERD BOOT ERROR - ON TPS - FILE READ ERROR\n File read of the following file failed on the TPS CPU.\n Verify that the file is present and has read permission.\n If so, possible TPS CPU or BIT3 hardware problem.\n File: %s%s%s		<myhost,svr,log>
2237260	CERD BOOT ERROR - ON TPS - FILE SEEK ERROR\n File seek of the following file failed on the TPS CPU.\n Verify that the file is present and has read permission.\n If so, possible TPS CPU or BIT3 hardware problem.\n File: %s%s%s		<myhost,svr,log>
2237261	CERD BOOT ERROR - ON TPS - INTERNAL SOFTWARE ERROR\n Invalid option selected. The selection is out of range. Status: %d		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237262	CERD BOOT ERROR - ON TPS - FILE NAME REQUIRED FOR THIS OPTION\ File name parameter is missing (NULL) in the input parameter list of\ CERD boot. File name is required for this option of CERD boot.		<myhost,svr,log>
2237263	CERD BOOT ERROR - ON TPS - FILE STAT ERROR\ Encountered error while getting the status information of a file\ to be downloaded to CERD. Check that the file exists.\ File: %s%s%s		<myhost,svr,log>
2237264	CERD BOOT ERROR - ON TPS - MEMORY ALLOCATION ERROR\ Encountered error while allocating TPS memory.\ Requested buffer size: %d bytes\ Error code: %d		<myhost,svr,log>
2237265	CERD BOOT ERROR - ON TPS - FILE LENGTH MISMATCH\ Actual file length of the input file does not match the file\ length information in the header of the file.\ File: %s%s%s\ File length: %d bytes\ File length specified in header field: %d bytes		<myhost,svr,log>
2237266	CERD BOOT ERROR - ON TPS - CHECKSUM MISMATCH\ The checksum of the following file does not match the stated\ checksum in the file header.\ File: %s%s%s\ Computed checksum: %08xH\ Stated checksum in file header: %08xH		<myhost,svr,log>
2237267	CERD BOOT ERROR - CERD BOOT TERMINAL IN USE\ The CERD indicates that the CERD Boot Terminal is in use, so the CERD\ boot process was not completed. When finished using the boot terminal,\ please perform a TPS Reset to boot the CERD.		<myhost,opr,log>
2237268	CERD BOOT ERROR - ON TPS - BOOT PROCESS INCOMPLETE\ CERD boot process is incomplete. CERD failed to respond during the boot.\ %b\ Status: %d		<myhost,svr,log>
2237269	To restart the CERD boot process, reset the TPS.		<myhost,svr,log>
2237270	CERD BOOT ERROR - ON TPS - CHECKSUM MISMATCH\ Checksums of the Flash file in the CERD and the file present on the\ disk do not agree. The disk file will be loaded to Flash memory.\ CERD Flash checksum: %08xH\ Disk file checksum: %08xH		<myhost,svr,log>
2237271	0=CAP Boot Module, 1=ASC Powerup Diags, 2=ASC Boot diags, 3=LCA file		<myhost,svr,log>
2237272	CERD BOOT ERROR - ON TPS - BOOT ERRORS ON CERD\ CERD boot software on CAP/ASC had errors.\ First error : %d.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237273	CERD BOOT ERROR\n\nCERD boot software on TPS timed out while waiting for a response from\n\nthe CAP. IT MAY BE NECESSARY TO CYCLE POWER ON THE ISE CHASSIS TO\n\nCLEAR THIS CONDITION.\n\ntimeout duration = %d		<myhost,svr,log>
2237274	CERD BOOT COMMUNICATION ERROR\n\nCERD boot software on TPS timed out while waiting for status from\n\nthe CAP. IT MAY BE NECESSARY TO CYCLE POWER ON THE ISE CHASSIS TO\n\nCLEAR THIS CONDITION.		<myhost,svr,log>
2237275	CERD BOOT FAILURE\n\nThe CERD failed to respond with a CERD to TPS interrupt after being\n\nreset by the TPS during the CERD boot process. IT MAY BE NECESSARY\n\nTO CYCLE POWER ON THE ISE CHASSIS TO CLEAR THIS CONDITION.		<myhost,svr,log>
2237276	CERD BOOT ERROR\n\nNo response from the CERD. It appears that the CERD may have been\n\nreset while reprogramming FLASH. IT MAY BE NECESSARY TO CYCLE\n\nPOWER ON THE ISE CHASSIS TO CLEAR THIS CONDITION.		<myhost,svr,log>
2237277	CERD BOOT ERROR - ON TPS - INDIVIDUAL CHECKSUM MISMATCH\n\nChecksum of %d (%b)\n\nfile present in Flash memory does not match the checksum of the file\n\npresent on the disk.\n\nFlash file checksum: %08xH\n\nDisk file checksum: %08xH		<myhost,svr,log>
2237278	CERD BOOT ERROR - UNEXPECTED RESPONSE FROM CAP\n\nThe CAP's response to a TPS CERD Boot command is unknown.\n\nA valid response was not received for command %d from TPS to CAP.\n\nunknown response : %d		<myhost,svr,log>
2237279	CERD BOOT ERROR - ON TPS - DPR HARDWARE SEMAPHORE TIME OUT\n\nTime out occurred while waiting for hardware semaphore.\n\nHardware Semaphore was not available from TPS side.\n\nSelected semaphore is %d and the waiting time was %d sec.		<myhost,svr,log>
2237280	CERD BOOT ERROR - ON TPS - SEMAPHORE RELEASE ERROR\n\nFailed while releasing software semaphore associated with CERD boot.\n\nError status: %d		<myhost,svr,log>
2237281	CERD BOOT ERROR - ON TPS - REQUESTED FILE NOT PRESENT\n\nCERD boot was invoked to load %d (%b). The file is not present in the \n\ncombined file hence the download failed. Check the combined file and the \n\ndestination-id field of cx_init() function.		<myhost,svr,log>
2237282	CERD BOOT ERROR - ON TPS - FILE DOESN'T HAVE DATA\n\nCERD boot was invoked to load %d (%b). The file does not have data in the \n\ncombined file hence the download failed. Check the combined file and the \n\ndestination-id field of cx_init() function.		<myhost,svr,log>
2237283	CERD BOOT ERROR - ON TPS - ISR INSTALL ERROR\n\nEncountered error while installing Interrupt Service Routine for\n\nthe CAP -> TPS interrupt. Error code: %d		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237284	CERD DRIVER ERROR - ON TPS - CERD BOARD NOT PRESENT\n\nCERD board is not present in the system. If the board is present,\n\nedit the /w/MRconfig.cfg file and reset TPS.		<myhost,svr,log>
2237285	CERD BOOT FAILURE\n\nUnable to load software to the CERD board.\n\nThe CERD is not initialized.		<myhost,opr,log>
2237286	CERD BOOT ERROR - ON TPS - FLASH MEMORY CHECKSUM ERROR\n\nA new Flash memory file was downloaded to CAP and the CERD board was\n\nreset so that the new Flash memory file will be used during CERD boot.\n\n%b		<myhost,svr,log>
2237287	CAP boot software finds that the new file fails in the checksum test.\n\nFlash file on disk may be the source of problem.		<myhost,svr,log>
2237288	CERD BOOT ERROR - ON TPS - CHECKSUM ERROR\n\nThe checksum of the data transferred to CAP does not match the checksum\n\nin the file header of the transferred file.\n\nComputed data checksum: %08xH\n\nFile header checksum: %08xH		<myhost,svr,log>
2237289	CERD BOOT ERROR - ON TPS - COMMAND REGISTER NON ZERO\n\nThe previous command was not read/cleared by CAP boot software.\n\nPossible software error or CAP may have hung up.\n\nPrevious command: %d\n\nPresent command: %d.		<myhost,svr,log>
2237290	CERD BOOT ERROR - ON TPS - CHECKSUM ERROR\n\nFailed while transferring file from TPS to CAP. There was a\n\nchecksum error in one of the data blocks transferred to CAP.		<myhost,svr,log>
2237291	CERD BOOT ERROR - ON TPS - DATA ALIGNMENT ERROR\n\nEncountered error while transferring a block of data from TPS to CAP.\n\nData block is not long word aligned.		<myhost,svr,log>
2237292	CERD BOOT ERROR - ON TPS - FLASH MEMORY PROGRAMMING ERROR\n\nNew Flash memory file was transferred to CAP, but there was a failure\n\ndetected while erasing/programming the Flash device.		<myhost,svr,log>
2237293	CERD BOOT STATUS - ON TPS - NEW FLASH MEMORY FILE LOADED\n\nNew Flash memory file was transferred from the file system to CERD\n\nand the file was programmed successfully into Flash memory on CERD.		<myhost,svr,log>
2237294	CERD BOOT STATUS - ON TPS - NEW FLASH MEMORY FOUND\n\nThe time stamp of the Flash memory file loaded in CERD is different\n\nfrom the time stamp of the Flash file present on the disk. The new disk\n\nfile will be transferred to CERD.		<myhost,svr,log>
2237295	Reprogramming CERD Flash Memory (takes 3 to 4 minutes)\nb		<pri3,myhost,svr>
2237296	CERD BOOT ERROR\n\nTPS was unable to obtain the CERD DPR Hardware semaphore to send CERD Boot\n\ncommand %d to the CERD.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237297	CERD BOOT ERROR\n\nThe CERD did not respond to a boot command in the allotted time.\n\nCERD command : %d\n\nresponse time : %d		<myhost,svr,log>
2237316	CERD INIT ERROR - No Response from CAP.\n\nThe TPS CPU reset the CERD and downloaded the CAP diags file\n\n to the CERD but timed out while waiting for the CAP to respond.\n\nFRU(s): CERD Digital Bd		<myhost,svr,log>
2237317	CERD EXEC ERROR: No Response from CAP.\n\nThe TPS CPU has timed out while waiting for the CAP to\n\nrespond to a previous command. The CAP Task ID that failed\n\n to respond is %d.\n\nFRU(s): CERD Digital Bd		<myhost,svr,log>
2237318	CERD Diags : VIC function test failure.(from CAP processor)\n\nCAP could not obtain the semaphore.\n\nTimeout count : %08H\n\n_____ : %08H\n\n_____ : %08H\n\nTest number : %08H\n\nSub number : %08H		<myhost,svr,log>
2237319	CERD Diags : VIC function test failure.(from CAP processor)\n\nCAP did not receive a new command packet from TPS.\n\nTimeout count : %08H\n\n_____ : %08H\n\n_____ : %08H\n\nTest number : %08H\n\nSub number : %08H		<myhost,svr,log>
2237320	CERD Diags : VIC function test failure.(from CAP processor)\n\nCAP received a wrong command packet from TPS.\n\nAddress : %08H\n\nExpected : %08H\n\nActual : %08H\n\nTest number : %08H\n\nSub number : %08H		<myhost,svr,log>
2237321	CERD Diags : VIC function test failure.(from TPS processor)\n\nTPS could not obtain the semaphore.\n\nTimeout count : %08H\n\n_____ : %08H\n\n_____ : %08H\n\nTest number : %08H\n\nSub number : %08H		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237322	CERD Diags : VIC function test failure.(from TPS processor)\n TPS did not receive a new status packet from CAP.\n Timeout count : %08H\n _____ : %08H\n _____ : %08H\n Test number : %08H\n Sub number : %08H		<myhost,svr,log>
2237323	CERD Diags : VIC function test failure.(from TPS processor)\n TPS received a wrong status packet from CAP.\n received Test number : %08H\n received Sub number : %08H\n received Status : %08H\n received message[0] : %08H\n received message[1] : %08H		<myhost,svr,log>
2237324	CERD Diags : VIC function test failure.(from CAP processor)\n CAP detected a pattern test failure in communication area test.\n Address : %08H\n Expected : %08H\n Actual : %08H\n Test number : %08H\n Sub number : %08H		<myhost,svr,log>
2237325	CERD Diags : VIC function test failure.(from CAP processor)\n CAP detected an address test failure in communication area test.\n Address : %08H\n Expected : %08H\n Actual : %08H\n Test number : %08H\n Sub number : %08H		<myhost,svr,log>
2237326	CERD Diags : VIC function test failure.(from TPS processor)\n TPS could not obtain synchronization with CAP.\n Timeout count : %08H\n _____ : %08H\n _____ : %08H\n Test number : %08H\n Sub number : %08H		<myhost,svr,log>
2237327	CERD Diags : VIC function test failure.(from TPS processor)\n TPS detected a pattern test(by TPS only) failure in communication area test.\n Address : %08H\n Expected : %08H\n Actual : %08H\n Test number : %08H\n Sub number : %08H		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237328	CERD Diags : VIC function test failure.(from TPS processor)\n TPS detected an address test(by TPS only) failure in communication area test.\n Address : %08H\n Expected : %08H\n Actual : %08H\n Test number : %08H\n Sub number : %08H		<myhost,svr,log>
2237329	CERD Diags : VIC function test failure.(from TPS processor)\n TPS detected a walking 1s/0s test(by TPS only) failure in communication area test.\n Address : %08H\n Expected : %08H\n Actual : %08H\n Test number : %08H\n Sub number : %08H		<myhost,svr,log>
2237330	CERD Diags : VIC function test failure.(from TPS processor)\n TPS detected a pattern test failure in communication area test.\n Address : %08H\n Expected : %08H\n Actual : %08H\n Test number : %08H\n Sub number : %08H		<myhost,svr,log>
2237331	CERD Diags : VIC function test failure.(from TPS processor)\n TPS detected an address test failure in communication area test.\n Address : %08H\n Expected : %08H\n Actual : %08H\n Test number : %08H\n Sub number : %08H		<myhost,svr,log>
2237332	CERD Diags : VIC function test failure.(from CAP processor)\n CAP detected a semaphore test failure.\n Address : %08H\n Expected : %08H\n Actual : %08H\n Test number : %08H\n Sub number : %08H		<myhost,svr,log>
2237333	CERD Diags : VIC function test failure.(from TPS processor)\n TPS detected a semaphore test failure.\n Address : %08H\n Expected : %08H\n Actual : %08H\n Test number : %08H\n Sub number : %08H		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237334	CERD Diags : VIC function test failure.(from TPS processor)\n TPS detected a pattern test failure in DPR TPS test.\n Address : %08H\n Expected : %08H\n Actual : %08H\n Test number : %08H\n Sub number : %08H		<myhost,svr,log>
2237335	CERD Diags : VIC function test failure.(from TPS processor)\n TPS detected an address test failure in DPR TPS test.\n Address : %08H\n Expected : %08H\n Actual : %08H\n Test number : %08H\n Sub number : %08H		<myhost,svr,log>
2237336	CERD Diags : VIC function test failure.(from TPS processor)\n TPS detected a walking 1s/0s test failure in DPR TPS test.\n Address : %08H\n Expected : %08H\n Actual : %08H\n Test number : %08H\n Sub number : %08H		<myhost,svr,log>
2237337	CERD Diags : VIC function test failure.(from CAP processor)\n CAP detected a pattern test failure in DPR hammer test.\n Address : %08H\n Expected : %08H\n Actual : %08H\n Test number : %08H\n Sub number : %08H		<myhost,svr,log>
2237338	CERD Diags : VIC function test failure.(from CAP processor)\n CAP detected an address test failure in DPR hammer test.\n Address : %08H\n Expected : %08H\n Actual : %08H\n Test number : %08H\n Sub number : %08H		<myhost,svr,log>
2237339	CERD Diags : VIC function test failure.(from TPS processor)\n TPS detected a pattern test failure in DPR hammer test.\n Address : %08H\n Expected : %08H\n Actual : %08H\n Test number : %08H\n Sub number : %08H		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237340	CERD Diags : VIC function test failure.(from TPS processor)\n TPS detected an address test failure in DPR hammer test.\n Address : %08H\n Expected : %08H\n Actual : %08H\n Test number : %08H\n Sub number : %08H		<myhost,svr,log>
2237341	CERD Diags : VIC function test failure.(from CAP processor)\n CAP could not obtain the VIC local bus.\n Timeout count : %08H\n _____ : %08H\n _____ : %08H\n Test number : %08H\n Sub number : %08H		<myhost,svr,log>
2237342	CERD Diags : VIC function test failure.(from TPS processor)\n TPS detected an address test failure in DPR VIC test.\n Address : %08H\n Expected : %08H\n Actual : %08H\n Test number : %08H\n Sub number : %08H		<myhost,svr,log>
2237343	CERD Diags : VIC function test failure.(from TPS processor)\n TPS could not detect the interrupt from CAP in interrupt test.\n Timeout count : %08H\n _____ : %08H\n _____ : %08H\n Test number : %08H\n Sub number : %08H		<myhost,svr,log>
2237376	MEDCAM Diags Initialization Failure\n Call to sys_configmc failed.\n MEDCAM config file prod.conf may be incorrect, or TPS reset may be required.		<svr,myhost,log>
2237377	MEDCAM Diags Initialization Failure\n Error attempting to allocate memory on TPS CPU board.\n May be caused by memory leakage (software problem).\n Reset TPS and try again.		<svr,myhost,log>
2237378	MEDCAM Diags Initialization Failure\n The function sys_dmc returned unknown error code %d.\n The error messages associated with MEDCAM diags may need to be updated.		<svr,myhost,log>
2237379	MEDCAM Diags Initialization Failure\n Unable to open or write to the file dmc.log in /usr/g/service/log.\n Check that the file is present and has read/write permission.		<svr,myhost,log>
2237380	MEDCAM Diags Initialization Failure\n Unable to read the file dmc.log in /usr/g/service/log.\n Check that the file is present and has read/write permission.		<svr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237381	MEDCAM Diags Initialization Failure\n\nUnable to delete the file dmc.log in /usr/g/service/log.\n\nCheck that the file is present and has read/write permission.		<srv,myhost,log>
2237382	MEDCAM Diags Initialization Failure\n\nUnable to receive system configuration from the driver.\n\nPossible software problem.		<srv,myhost,log>
2237383	MEDCAM Diags Initialization Failure\n\nDmc list manager error. Possible software problem.		<srv,myhost,log>
2237384	MEDCAM Diags Initialization Failure\n\nUnable to find CEs to test. The MEDCAM board must have at least\n\none CE processor installed to run diags.		<srv,myhost,log>
2237385	MEDCAM Diags Initialization Failure\n\nUnable to open the MEDCAM CE processor.		<srv,myhost,log>
2237386	MEDCAM Diags Initialization Failure\n\nCE memory mapping error.		<srv,myhost,log>
2237387	MEDCAM Diags CE Memory Failure\n\nThe TPS-based test of the CE memory failed the data test.\n\nCE memory failure indicated.		<srv,myhost,log>
2237388	MEDCAM Diags CE Memory Failure\n\nThe TPS-based test of the CE memory failed the address test.\n\nCE memory failure indicated.		<srv,myhost,log>
2237389	MEDCAM Diags CE Memory Failure\n\nThe TPS-based test of the CE memory failed the cell test.\n\nCE memory failure indicated.		<srv,myhost,log>
2237390	MEDCAM Diags Initialization Failure\n\nUnable to load a CE for board level diags.\n\nCheck that the files dmcexec.860 and dmcexec.ppc are present in\n\n\n\n\n\n\n\ndirectory /usr/g/bin and that each has read/execute permission.		<srv,myhost,log>
2237391	MEDCAM Diags Initialization Failure\n\nUnable to look up a symbol. Probable software error.		<srv,myhost,log>
2237392	MEDCAM Diags Initialization Failure\n\nUnable to start a CE. Possible CE processor failure.		<srv,myhost,log>
2237393	MEDCAM Diags Initialization Failure\n\nUnable to configure a CE.\n\nPossible software error or CE processor failure.		<srv,myhost,log>
2237394	MEDCAM Diags Initialization Failure\n\nUnable to clear a CE's status.\n\nPossible software error or CE processor failure.		<srv,myhost,log>
2237395	MEDCAM Diags Initialization Failure\n\nUnable to run a test on a CE.\n\nPossible software error or CE processor failure.		<srv,myhost,log>
2237396	MEDCAM Diags Initialization Failure\n\nUnable to perform a remote print operation from a CE.\n\nPossible software error or CE processor failure.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237397	MEDCAM Diags Initialization Failure\n\nInvalid status on a CE.\n\nPossible software error or CE processor failure.		<srv,myhost,log>
2237398	MEDCAM Diags VME Broadcast Test Failure\n\nCE processor or broadcast circuitry failure indicated.		<srv,myhost,log>
2237399	MEDCAM Diags Local CE Memory Test Failure\n\nAn ECC error was pending before the test began.\n\nCE processor failure indicated.		<srv,myhost,log>
2237400	MEDCAM Diags Local CE Memory Test Failure\n\nAn ECC error occurred in testing.\n\nCE processor failure indicated.		<srv,myhost,log>
2237401	MEDCAM Diags Local CE Memory Test Failure\n\nA data miscompare occurred in the low 32 bits of the data bus.\n\nCE memory failure indicated.		<srv,myhost,log>
2237402	MEDCAM Diags Local CE Memory Test Failure\n\nA data miscompare occurred in the high 32 bits of the data bus.\n\nCE memory failure indicated.		<srv,myhost,log>
2237403	MEDCAM Diags Local CE Memory Test Failure\n\nA data miscompare occurred in the low 16 bits of the address bus.\n\nCE memory failure indicated.		<srv,myhost,log>
2237404	MEDCAM Diags Local CE Memory Test Failure\n\nA data miscompare occurred in the high 16 bits of the address bus.\n\nCE memory failure indicated.		<srv,myhost,log>
2237405	MEDCAM Diags Local CE Memory Test Failure\n\nA data miscompare occurred during the address test.\n\nCE memory failure indicated.		<srv,myhost,log>
2237406	MEDCAM Diags Local CE Memory Test Failure\n\nKnaizak Address test : a data miscompare occurred in the low 32 bits of\nthe data bus. CE memory failure indicated.		<srv,myhost,log>
2237407	MEDCAM Diags Local CE Memory Test Failure\n\nKnaizak Address test : a data miscompare occurred in the high 32 bits of\nthe data bus. CE memory failure indicated.		<srv,myhost,log>
2237408	MEDCAM Diags Local CE Memory Test Failure\n\nByte Select test : an 8-bit memory error occurred.\n\nCE memory failure indicated.		<srv,myhost,log>
2237409	MEDCAM Diags Local CE Memory Test Failure\n\nByte Select test : an 16-bit memory error occurred.\n\nCE memory failure indicated.		<srv,myhost,log>
2237410	MEDCAM Diags Local CE Memory Test Failure\n\nByte Select test : an 32-bit memory error occurred.\n\nCE memory failure indicated.		<srv,myhost,log>
2237411	MEDCAM Diags Local CE Memory Test Failure\n\nData Cell test : a data compare error occurred.\n\nCE memory failure indicated.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237412	MEDCAM Diags Local CE Memory Test Failure\n Data Cell test : an inverse data compare error occurred.\n CE processor or memory failure indicated.		<srv,myhost,log>
2237413	MEDCAM Diags Local CE FFT Test Failure\n An FFT checksum error occurred.\n CE processor or memory failure indicated.		<srv,myhost,log>
2237414	MEDCAM Diags Local CE Interrupt Test Failure\n A debug interrupt was not asserted.\n CE processor failure indicated.		<srv,myhost,log>
2237415	MEDCAM Diags Local CE Timer Test Failure\n The timer did not count down.\n CE processor failure indicated.		<srv,myhost,log>
2237416	MEDCAM Diags Local CE Timer Test Failure\n Reading the Clear Timer Interrupt register did not clear the timer interrupt.\n CE processor failure indicated.		<srv,myhost,log>
2237417	MEDCAM Diags Local CE Timer Test Failure\n The timer did not generate an interrupt when the counter reached zero.\n CE processor failure indicated.		<srv,myhost,log>
2237418	MEDCAM Diags Local CE FIFO Test Failure\n The Mailbox Counter register could not be cleared.\n CE processor failure indicated.		<srv,myhost,log>
2237419	MEDCAM Diags Local CE FIFO Test Failure\n The mailbox interrupt was not cleared.\n CE processor failure indicated.		<srv,myhost,log>
2237420	MEDCAM Diags Local CE FIFO Test Failure\n 4Kbyte mailbox : the Mailbox Counter register did not increment when the first\n mailbox location was written.\n CE processor failure indicated.		<srv,myhost,log>
2237421	MEDCAM Diags Local CE FIFO Test Failure\n The mailbox interrupt was not set when it should have been.\n CE processor failure indicated.		<srv,myhost,log>
2237422	MEDCAM Diags Local CE FIFO Test Failure\n 4Kbyte mailbox : the Mailbox Counter register did not count up correctly to the\n last mailbox location before wrapping.\n CE processor failure indicated.		<srv,myhost,log>
2237423	MEDCAM Diags Local CE FIFO Test Failure\n 4Kbyte mailbox : the Mailbox Counter register did not wrap correctly when the\n last mailbox location was written.\n CE processor failure indicated.		<srv,myhost,log>
2237424	MEDCAM Diags Local CE FIFO Test Failure\n 32Kbyte mailbox : the Mailbox Counter register did not increment when the first\n mailbox location was written.\n CE processor failure indicated.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237425	MEDCAM Diags Local CE FIFO Test Failure\n32Kbyte mailbox : the Mailbox Counter register did not count up correctly to the\nlast mailbox location before wrapping.\nCE processor failure indicated.		<srv,myhost,log>
2237426	MEDCAM Diags Local CE FIFO Test Failure\n32Kbyte mailbox : the Mailbox Counter register did not wrap correctly when the\nlast mailbox location was written.\nCE processor failure indicated.		<srv,myhost,log>
2237427	MEDCAM Diags Crossbar Test Failure\nA data error occurred when probing the Xbar.\nMEDCAM Xbar failure indicated.		<srv,myhost,log>
2237428	MEDCAM Diags Crossbar Test Failure\nA Xbar probe did not find a configured device.\nMEDCAM Xbar failure indicated.		<srv,myhost,log>
2237429	MEDCAM Diags Crossbar Test Failure\nA data miscompare occurred in the low 16 bits of the address bus.\nMEDCAM Xbar failure indicated.		<srv,myhost,log>
2237430	MEDCAM Diags Crossbar Test Failure\nA data miscompare occurred in the high 16 (or fewer) bits of the address bus.\nMEDCAM Xbar failure indicated.		<srv,myhost,log>
2237431	MEDCAM Diags Crossbar Test Failure\nAddress of Address test : a data miscompare occurred.\nMEDCAM Xbar failure indicated.		<srv,myhost,log>
2237432	MEDCAM Diags Crossbar Test Failure\nKnaizak Address test : a data miscompare occurred in the low 32 data bits.\nMEDCAM Xbar failure indicated.		<srv,myhost,log>
2237433	MEDCAM Diags Crossbar Test Failure\nKnaizak Address test : a data miscompare occurred in the high 32 data bits.\nMEDCAM Xbar failure indicated.		<srv,myhost,log>
2237434	MEDCAM Diags Crossbar Test Failure\nByte Select test : an 8-bit error occurred.\nMEDCAM Xbar failure indicated.		<srv,myhost,log>
2237435	MEDCAM Diags Crossbar Test Failure\nByte Select test : an 16-bit error occurred.\nMEDCAM Xbar failure indicated.		<srv,myhost,log>
2237436	MEDCAM Diags Crossbar Test Failure\nByte Select test : an 32-bit error occurred.\nMEDCAM Xbar failure indicated.		<srv,myhost,log>
2237437	MEDCAM Diags Crossbar Test Failure\nA data miscompare occurred.\nMEDCAM Xbar failure indicated.		<srv,myhost,log>
2237438	MEDCAM Diags Broadcast Test Failure\nFailed to receive a broadcast from another CE.\nMEDCAM broadcast circuitry failure indicated.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237439	MEDCAM Diags Broadcast Test Failure\n\nFailed to receive the proper initialization status from another CE.\n\nMEDCAM broadcast circuitry failure indicated.		<srv,myhost,log>
2237440	MEDCAM Diags Broadcast Test Failure\n\nA time-out error occurred while waiting for a broadcast start command.\n\nMEDCAM broadcast circuitry failure indicated.		<srv,myhost,log>
2237441	MEDCAM Diags Broadcast Test Failure\n\nThe data broadcast to a CE was not correct.\n\nMEDCAM broadcast circuitry failure indicated.		<srv,myhost,log>
2237442	MEDCAM Diags VME Master Test Failure\n\nA data miscompare occurred in 8-bit data.\n\nMEDCAM VME interface or TPS CPU memory failure indicated.		<srv,myhost,log>
2237443	MEDCAM Diags VME Master Test Failure\n\nA data miscompare occurred in 16-bit data.\n\nMEDCAM VME interface or TPS CPU memory failure indicated.		<srv,myhost,log>
2237444	MEDCAM Diags VME Master Test Failure\n\nA data miscompare occurred in 32-bit data.\n\nMEDCAM VME interface or TPS CPU memory failure indicated.		<srv,myhost,log>
2237445	MEDCAM Diags VME Master Test Failure\n\nA data miscompare occurred in the high 32 bits of 64-bit data.\n\nMEDCAM VME interface or TPS CPU memory failure indicated.		<srv,myhost,log>
2237446	MEDCAM Diags VME Master Test Failure\n\nA data miscompare occurred in the low 32 bits of 64-bit data.\n\nMEDCAM VME interface or TPS CPU memory failure indicated.		<srv,myhost,log>
2237447	MEDCAM Diags VME Master Test Failure\n\nThe i860 was unable to assert a VME interrupt.\n\nMEDCAM CE processor or VME interface failure indicated.		<srv,myhost,log>
2237448	MEDCAM Diags VME Master Test Failure\n\nA VME interrupt time-out occurred while waiting for IACK.\n\nMEDCAM CE processor or VME interface failure indicated.		<srv,myhost,log>
2237449	MEDCAM Diags VME Master Test Failure\n\nA data miscompare occurred during VME D16 nonblock transfers.\n\nMEDCAM VME interface or TPS CPU memory failure indicated.		<srv,myhost,log>
2237450	MEDCAM Diags VME Master Test Failure\n\nA data miscompare occurred during VME D32 nonblock transfers.\n\nMEDCAM VME interface or TPS CPU memory failure indicated.		<srv,myhost,log>
2237451	MEDCAM Diags VME Master Test Failure\n\nA data miscompare occurred during VME D32 block transfers.\n\nMEDCAM VME interface or TPS CPU memory failure indicated.		<srv,myhost,log>
2237452	MEDCAM Diags VME Master Test Failure\n\nA data miscompare occurred during VME D64 block transfers.\n\nMEDCAM VME interface or TPS CPU memory failure indicated.		<srv,myhost,log>
2237453	MEDCAM Diags VSB Master Test Failure\n\nA data miscompare occurred in 8-bit data.\n\nMEDCAM VSB interface failure indicated.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237454	MEDCAM Diags VSB Master Test Failure\n\nA data miscompare occurred in 16-bit data.\n\nMEDCAM VSB interface failure indicated.		<srv,myhost,log>
2237455	MEDCAM Diags VSB Master Test Failure\n\nA data miscompare occurred in 32-bit data.\n\nMEDCAM VSB interface failure indicated.		<srv,myhost,log>
2237456	MEDCAM Diags VSB Master Test Failure\n\nA data miscompare occurred in the high 32-bits of 64-bit data.\n\nMEDCAM VSB interface failure indicated.		<srv,myhost,log>
2237457	MEDCAM Diags VSB Master Test Failure\n\nA data miscompare occurred in the low 32-bits of 64-bit data.\n\nMEDCAM VSB interface failure indicated.		<srv,myhost,log>
2237458	MEDCAM Diags VSB Master Test Failure\n\nA data miscompare occurred in 8-bit data.\n\nMEDCAM VSB interface failure indicated.		<srv,myhost,log>
2237459	MEDCAM Diags VSB Master Test Failure\n\nA data miscompare occurred in 16-bit data.\n\nMEDCAM VSB interface failure indicated.		<srv,myhost,log>
2237460	MEDCAM Diags VSB Master Test Failure\n\nA data miscompare occurred in 32-bit data.\n\nMEDCAM VSB interface failure indicated.		<srv,myhost,log>
2237461	MEDCAM Diags VSB Master Test Failure\n\nA data miscompare occurred in 64-bit data.\n\nMEDCAM VSB interface failure indicated.		<srv,myhost,log>
2237462	MEDCAM Diags Interlink Test Failure\n\nThe lock count value was not correct.\n\nMEDCAM failure indicated.		<srv,myhost,log>
2237463	MEDCAM Diags Interlink Test Failure\n\nThe master timed out while waiting for the slave to become ready.\n\nMEDCAM failure indicated.		<srv,myhost,log>
2237464	MEDCAM Diags Interlink Test Failure\n\nThe master timed out while waiting for the slave to finish.\n\nMEDCAM failure indicated.		<srv,myhost,log>
2237465	MEDCAM Diags Asynchronous Test Failure\n\nA local memory error occurred.\n\nMEDCAM failure indicated.		<srv,myhost,log>
2237466	MEDCAM Diags Asynchronous Test Failure\n\nAn error occurred while transmitting to the primary VME buffer.\n\nMEDCAM failure indicated.		<srv,myhost,log>
2237467	MEDCAM Diags Asynchronous Test Failure\n\nAn error occurred while transmitting to the primary VSB buffer.\n\nMEDCAM failure indicated.		<srv,myhost,log>
2237468	MEDCAM Diags Asynchronous Test Failure\n\nAn error occurred while transmitting to the primary Interlink buffer.\n\nMEDCAM failure indicated.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237469	MEDCAM Diags Asynchronous Test Failure\n An error occurred while transmitting to the alternate VME buffer.\n MEDCAM failure indicated.		<srv,myhost,log>
2237470	MEDCAM Diags Asynchronous Test Failure\n An error occurred while transmitting to the alternate VSB buffer.\n MEDCAM failure indicated.		<srv,myhost,log>
2237471	MEDCAM Diags Asynchronous Test Failure\n An error occurred while transmitting to the alternate Interlink buffer.\n MEDCAM failure indicated.		<srv,myhost,log>
2237472	MEDCAM Diags Asynchronous Test Failure\n An error occurred while transmitting from Interlink to VMEbus.\n MEDCAM failure indicated.		<srv,myhost,log>
2237473	MEDCAM Diags Asynchronous Test Failure\n An error occurred while transmitting from VMEbus to Interlink.\n MEDCAM failure indicated.		<srv,myhost,log>
2237474	MEDCAM Diags Asynchronous Test Failure\n An error occurred while transmitting from VSB to VMEbus.\n MEDCAM failure indicated.		<srv,myhost,log>
2237475	MEDCAM Diags Asynchronous Test Failure\n An error occurred while transmitting from VMEbus to VSB.\n MEDCAM failure indicated.		<srv,myhost,log>
2237476	MEDCAM Diags Daughtercard RIN-T Test Failure\n A register data test error occurred.\n MEDCAM Daughtercard failure indicated.		<srv,myhost,log>
2237477	MEDCAM Diags Daughtercard RIN-T Test Failure\n A register address test error occurred.\n MEDCAM Daughtercard failure indicated.		<srv,myhost,log>
2237478	MEDCAM Diags Daughtercard RIN-T Test Failure\n Interrupt error(an interrupt did not occur, a bad vector was encountered, etc.)\n MEDCAM Daughtercard failure indicated.		<srv,myhost,log>
2237479	MEDCAM Diags Daughtercard RIN-T Test Failure\n A miscompare occurred in the target buffer.\n MEDCAM Daughtercard failure indicated.		<srv,myhost,log>
2237480	MEDCAM Diags Daughtercard RIN-T Test Failure\n A data trasmission was not successful.\n MEDCAM Daughtercard failure indicated.		<srv,myhost,log>
2237481	MEDCAM Diags Daughtercard RIN-T Test Failure\n Secondary CEs did not receive a message to start testing.\n MEDCAM Daughtercard failure indicated.		<srv,myhost,log>
2237482	MEDCAM Diags Daughtercard RIN-T Test Failure\n An error occurred while testing the cable handshake signal.\n MEDCAM Daughtercard failure indicated.		<srv,myhost,log>
2237483	MEDCAM Diags Daughtercard RIN-T Test Failure\n The receiver failed to signal the transmitter to start a data transfer.\n MEDCAM Daughtercard failure indicated.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237484	MEDCAM Diags Daughtercard RIN-T Test Failure\n The receiver timed out while waiting for a data transfer to complete.\n MEDCAM Daughtercard failure indicated.		<srv,myhost,log>
2237485	MEDCAM Diags Daughtercard RIN-T Test Failure\n A target buffer miscompare occurred after receiving a data transfer complete interrupt.\n MEDCAM Daughtercard failure indicated.		<srv,myhost,log>
2237486	MEDCAM Diags Bulk Mem Daughtercard Test Failure\n A remote DMA status error occurred.\n MEDCAM Bulk Memory Daughtercard failure indicated.		<srv,myhost,log>
2237487	MEDCAM Diags Bulk Mem Daughtercard Test Failure\n A remote DMA data miscompare error occurred.\n MEDCAM Bulk Memory Daughtercard failure indicated.		<srv,myhost,log>
2237488	MEDCAM Diags Bulk Mem Daughtercard Test Failure\n A remote parity error occurred.\n MEDCAM Bulk Memory Daughtercard failure indicated.		<srv,myhost,log>
2237489	MEDCAM Diags Bulk Mem Daughtercard Test Failure\n Address of Address test : a data miscompare occurred.\n MEDCAM Bulk Memory Daughtercard failure indicated.		<srv,myhost,log>
2237490	MEDCAM Diags Bulk Mem Daughtercard Test Failure\n Knaizak address test : a miscompare occurred in the low 32 data bits.\n MEDCAM Bulk Memory Daughtercard failure indicated.		<srv,myhost,log>
2237491	MEDCAM Diags Bulk Mem Daughtercard Test Failure\n Knaizak address test : a miscompare occurred in the high 32 data bits.\n MEDCAM Bulk Memory Daughtercard failure indicated.		<srv,myhost,log>
2237492	MEDCAM Diags - Walking 1s Test Error\n The MEDCAM Bulk Memory failed the walking 1s test.\n See /usr/g/service/log/dmc.log for further error information.		<srv,myhost,log>
2237493	MEDCAM Diags - Walking 0s Test Error\n The MEDCAM Bulk Memory failed the walking 0s test.\n See /usr/g/service/log/dmc.log for further error information.		<srv,myhost,log>
2237496	ISE DATAPATH DIAGS EXEC FAILURE\n DP exec could not allocate TPS CPU memory.\n DP diags were aborted before tests were run.\n CPU memory may be too fragmented. Reset TPS and try again.		<myhost,srv,log>
2237497	ISE DATAPATH DIAGS EXEC FAILURE\n DP exec could not spawn a task to increment the progress counter.\n Testing continued but the host may detect a non-incremented counter.		<myhost,srv,log>
2237498	ISE DATAPATH DIAGS EXEC FAILURE\n DP exec could not delete the task to increment the progress counter after datapath testing was completed.\n Please Reset TPS and try again.		<myhost,srv,log>
2237499	ISE DATAPATH DIAGS SOFTWARE ERROR.\n A TPS dp test function is calling dp_malloc_cpu with an \n invalid buffer selection character.		<myhost,srv,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237500	ISE DATAPATH DIAGS EXEC FAILURE\n\nThe following host-run test could not be set up by the TPS:\n\ncommand word bit : %08xH\n\nRefer to the error which follows this message in the log\n\nfor the reason for the failure.		<myhost,svr,log>
2237501	ISE DATAPATH DIAGS EXEC FAILURE\n\nThe following IPG-dependent test could not be run:\n\ncommand word bit : %08xH\n\nRefer to the error which follows this message in the log\n\nfor the reason for the failure.		<myhost,svr,log>
2237502	IPG DATAPATH WATCHDOG FAILURE.\n\nThe TPS dp exec detected an IPG watchdog timeout.\n\nProcessing on the IPG board may have stopped or the IPG software\n\nmay not be updating the counter often enough.		<myhost,svr,log>
2237503	ISE DATAPATH DIAGS TEST STOPPED\n\nDatapath test dp_test%02d stopped itself due to unrecoverable errors.		<myhost,svr,log>
2237504	ISE DATAPATH DIAGS EXEC FAILURE\n\nDP exec failed to pend on datapath message queue.\n\nPlease Reset TPS and try again.\n\nvxWorks status: %08xH		<myhost,svr,log>
2237505	ISE DATAPATH DIAGS EXEC FAILURE\n\nThe datapath exec could not spawn a task to run dp_test%02d.\n\nPlease Reset TPS and try again.		<myhost,svr,log>
2237506	HOST DATAPATH INITIALIZATION FAILED.\n\nThe TPS dp exec could not send a packet to the host. \n\nThe selected host-run tests were not run. Reset TPS and try again.		<myhost,svr,log>
2237507	IPG DATAPATH INITIALIZATION FAILED.\n\nThe TPS could not communicate with the IPG loader daemon. %b \n\nAn IPG must be in the chassis to run the selected IPG dependent \n\n tests. If an IPG is present, try datapath again or run IPG diags.		<myhost,svr,log>
2237508	IPG DATAPATH INITIALIZATION FAILED.\n\nThe TPS dp exec could not send a packet to the IPG loader daemon.\n\n %b\n\nThe selected IPG dependent tests were not run. Reset TPS and try again.		<myhost,svr,log>
2237509	IPG DATAPATH INITIALIZATION FAILED.\n\nThe TPS dp exec could not communicate with the IPG dp exec.\n\nThe IPG diags file was loaded but did not define its NMRID. %b The \n\n selected IPG dependent tests were not run. Reset TPS and try again.		<myhost,svr,log>
2237510	IPG DATAPATH INITIALIZATION FAILED.\n\nThe TPS dp exec could not send a packet to the IPG diags exec.\n\n %b\n\nThe selected IPG dependent tests were not run. Reset TPS and try again.		<myhost,svr,log>
2237511	ISE DATAPATH DIAGS FAILURE\n\nIPG diags failed to return a response packet to the TPS. %b \n\nIPG dependent tests were not run.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237512	ISE DATAPATH - NETWORK ERROR DETECTED\n\                     TPS diags received a pkt with an unexpected opcode from the IPG. \                     Another pkt was received as a workaround. This message is logged \                     to help isolate this network problem.\n\                     opcode expected : %d\n\                     opcode received : %d		<myhost,svr,log>
2237513	ISE DATAPATH - NETWORK ERROR DETECTED\n\                     TPS diags did not get the desired opcode in the second pkt either. \                     IPG dependent tests were not run.\n\                     Invalid opcode : %d		<myhost,svr,log>
2237514	ISE DATAPATH - NETWORK ERROR DETECTED\n\                     The cm_rec call for the second pkt failed. IPG dependent tests were \                     not run.\n\                     cm_rec status returned : %d		<myhost,svr,log>
2237515	ISE DATAPATH DIAGS EXEC FAILURE\n\                     DP exec could not create a message queue.\n\                     Error status returned by vxWorks : %08xH\n\                     Any TPS-based dp tests selected were not run.\n\                     Please Reset TPS and try again.		<myhost,svr,log>
2237516	IPG DATAPATH FAILURE.\n\                     The TPS dp exec could not send the stop packet to the IPG diags exec.\n\                     %b\n\                     IPG test results could not be logged.		<myhost,svr,log>
2237517	ISE DATAPATH DIAGS FAILURE\n\                     IPG diags failed to return its error packet to the TPS. %b \                     IPG test results could not be logged.		<myhost,svr,log>
2237518	ISE DATAPATH - NETWORK ERROR DETECTED\n\                     TPS diags did not get the desired opcode in the second pkt either. \                     IPG test results could not be logged.\n\                     Invalid opcode : %d		<myhost,svr,log>
2237519	ISE DATAPATH - NETWORK ERROR DETECTED\n\                     The cm_rec call for the second pkt failed.\n\                     IPG test results could not be logged.\n\                     cm_rec status returned : %d		<myhost,svr,log>
2237520	ISE DATAPATH - NETWORK ERROR DETECTED\n\                     An extra cm_rec call returned successfully after the desired IPG pkt \                     was received. Diags should run OK; this message is logged to help \                     isolate this problem.\n\                     previous valid opcode : %d\n\                     opcode in extra pkt : %d		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237521	ISE DP: TPS 040 CPU-MEDCAM/SBAM Mem Test Failure.\n The data pattern test failed.\n VME addr: %08xH\n Data exp: %08xH\n Data read: %08xH\n FRU(s): TPS CPU, MEDCAM/SBAM		<myhost,svr,log>
2237522	ISE DP: TPS 040 CPU-MEDCAM/SBAM Mem Test Failure.\n The address pattern test failed.\n VME addr: %08xH\n Data exp: %08xH\n Data read: %08xH\n FRU(s): TPS CPU, MEDCAM/SBAM		<myhost,svr,log>
2237523	ISE DP: TPS CPU DMA error.\n A data error occurred during a TPS CPU 64-bit blockmode DMA transfer.\n The target buffer is MEDCAM MOD board memory.\n VME addr: %08xH\n Data exp: %08xH\n Data read: %08xH\n FRU(s): TPS CPU, MEDCAM		<myhost,svr,log>
2237524	ISE DP: TPS CPU DMA error.\n A data error occurred during a TPS CPU 32-bit blockmode DMA transfer.\n The target buffer is MEDCAM/SBAM MOD board memory.\n VME addr: %08xH\n Data exp: %08xH\n Data read: %08xH\n FRU(s): TPS CPU, MEDCAM/SBAM		<myhost,svr,log>
2237525	ISE DP: TPS CPU DMA error.\n A data error occurred during a TPS CPU 32-bit nonblockmode DMA transfer.\n The target buffer is MEDCAM/SBAM MOD board memory.\n VME addr: %08xH\n Data exp: %08xH\n Data read: %08xH\n FRU(s): TPS CPU, MEDCAM/SBAM		<myhost,svr,log>
2237526	ISE DP: TPS CPU DMA error.\n The 040 DMA transfer from CPU memory to MEDCAM/SBAM memory did not complete\n and returned the following DMA error status.\n Status = %d\n FRU(s): TPS CPU, MEDCAM/SBAM		<myhost,svr,log>
2237527	ISE DP: TPS CPU DMA error.\n The 040 DMA transfer from MEDCAM/SBAM memory to CPU memory did not complete\n and returned the following DMA error status.\n Status = %d\n FRU(s): TPS CPU, MEDCAM/SBAM		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237528	ISE DP: TPS 040 CPU-CERD Mem & Ints Test Failure.\n The data pattern test of CERD DPR failed.\n VME addr: %08xH\n Data exp: %08xH\n Data read: %08xH\n FRU(s): TPS CPU, CERD Digital Board		<myhost,svr,log>
2237529	ISE DP: TPS 040 CPU-CERD Mem & Ints Test Failure.\n The address pattern test of CERD DPR failed.\n VME addr: %08xH\n Data exp: %08xH\n Data read: %08xH\n FRU(s): TPS CPU, CERD Digital Board		<myhost,svr,log>
2237530	ISE DP: Interrupt Connect Failure.\n An error occurred while trying to attach an interrupt handler to Vector %d.\n FRU(s): TPS CPU		<myhost,svr,log>
2237531	ISE DP: TPS 040 CPU-CERD Mem & Ints Test Failure.\n The CERD was commanded to generate a burst of VME Interrupts\n at Vector %d but not all of the interrupts were detected.\n # of ints expected: %d\n # of ints received: %d\n FRU(s): TPS CPU, CERD Digital Board		<myhost,svr,log>
2237532	ISE DP: TPS 040 CPU-IPG Mem Test Failure.\n The data pattern test failed.\n VME addr: %08xH\n Data exp: %08xH\n Data read: %08xH\n FRU(s): TPS CPU, IPG		<myhost,svr,log>
2237533	ISE DP: TPS 040 CPU-IPG Mem Test Failure.\n The address pattern test failed.\n VME addr: %08xH\n Data exp: %08xH\n Data read: %08xH\n FRU(s): TPS CPU, IPG		<myhost,svr,log>
2237534	ISE DP: SSP Bus Test Failure.\n The CAP setup for the SSP Bus datapath test returned an error.\n The test will continue but is likely to fail.\n FRU(s): CERD Digital Board		<myhost,svr,log>
2237535	ISE DP: RF Bus Test Failure.\n The CAP setup for the RF Bus datapath test returned an error.\n The test will continue but is likely to fail.\n FRU(s): CERD Digital Board		<myhost,svr,log>
2237536	ISE DP: B0 Compensation Test Failure.\n The CAP setup for the B0 Compensation datapath test returned an error.\n The test will continue but is likely to fail.\n FRU(s): CERD Digital Board		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237537	ISE DP: VSB Bus Test Failure.\n A data error occurred during CAP to MEDCAM/SBAM blockmode transfer.\n The data was verified by the TPS CPU.\n VME addr: %08xH\n Data exp: %08xH\n Data read: %08xH\n Pkg size: %08xH\n FRU(s): CERD Digital Board, MEDCAM/SBAM		<myhost,svr,log>
2237538	ISE DP: VSB Bus Test Failure.\n A data error occurred during CAP to MEDCAM/SBAM blockmode memory fill.\n The data was verified by the TPS CPU.\n VME addr: %08xH\n Data exp: %08xH\n Data read: %08xH\n Pkg size: %08xH\n FRU(s): CERD Digital Board, MEDCAM/SBAM		<myhost,svr,log>
2237539	ISE DP: VSB Bus Test Failure.\n A data error occurred during a CAP to MEDCAM/SBAM NON-blockmode transfer.\n The data was verified by the TPS CPU.\n VME addr: %08xH\n Data exp: %08xH\n Data read: %08xH\n Pkg size: %08xH\n FRU(s): CERD Digital Board, MEDCAM/SBAM		<myhost,svr,log>
2237540	ISE DP: MEDCAM DMA timeout.\n A timeout occurred after %d seconds while waiting for a MEDCAM\n DMA transfer to complete. The target buffer is TPS CPU memory.\n FRU(s): TPS CPU, MEDCAM		<myhost,svr,log>
2237541	ISE DP: MEDCAM/SBAM DMA error.\n A data error occurred during a MEDCAM/SBAM 64-bit blockmode DMA transfer.\n The target buffer is TPS CPU memory.\n VME addr: %08xH\n Data exp: %08xH\n Data read: %08xH\n FRU(s): TPS CPU, MEDCAM/SBAM		<myhost,svr,log>
2237542	ISE DP: MEDCAM DMA error.\n A data error occurred during a MEDCAM 32-bit blockmode DMA transfer.\n The target buffer is TPS CPU memory.\n VME addr: %08xH\n Data exp: %08xH\n Data read: %08xH\n FRU(s): TPS CPU, MEDCAM		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237543	ISE DP: MEDCAM DMA error.\n A data error occurred during a MEDCAM 32-bit nonblockmode DMA transfer.\n The target buffer is TPS CPU memory.\n VME addr: %08xH\n Data exp: %08xH\n Data read: %08xH\n FRU(s): TPS CPU, MEDCAM		<myhost,svr,log>
2237544	ISE DP: Fast Receiver error.\n The Fast Rcvr could be started via the SSP bus but failed to start\n via the VME bus. Possible causes: Bad Fast Rcvr Local Module.		<myhost,svr,log>
2237545	ISE DP: Fast Receiver error.\n The Fast Rcvr datapath test passed when set up via the SSP bus but failed\n when set up via the VME bus. Possible causes: Bad Fast Rcvr Local Module.		<myhost,svr,log>
2237546	ISE DP: Fast Receiver error.\n The Fast Rcvr datapath test passed when data was generated by the Local\n Module but failed when generated by the Remote Module. Possible causes:\n Bad Fast Rcvr Remote Module, bad cables between Local and Remote Modules.		<myhost,svr,log>
2237547	ISE DP: Fast Receiver error.\n The VME portion of the Fast Rcvr datapath test passed but the SSP\n part of the test has failed. Possible causes: Bad SSP interface on\n Local Module, bad SSP bus, or bad IPG Bd. Run SSP datapath test.		<myhost,svr,log>
2237548	ISE DP: Fast Receiver error.\n The Fast Receiver Local Module is not detected in the TPS chassis.\n The board may not be installed correctly or may not be functioning.\n Fast Receiver datapath tests have been cancelled.		<myhost,svr,log>
2237616	SYSTEM CONFIG FILE ERROR\n The total TPS memory size shown in the /w/config/MRconfig.cfg file does not\n agree with the actual size found in the chassis. The actual size will be used.\n expected (shown in file) : %d M\n actual (found in chassis) : %d M		<myhost,svr,log>
2237617	TPS CONFIGURATION ERROR\n Number of RECEIVER bds found does not agree with the \n MRconfig.cfg file. Edit the file or check the chassis. \n - possibly missing XCVRCLK from Exciter. \n check 20Mhz clock on backplane.\n expected # of bds : %d\n actual # of bds : %d		<myhost,svr,log>
2237618	TPS CONFIGURATION ERROR\n Total number of AP boards found does not agree with \n the data in /w/config/MRconfig.cfg file. \n Edit the file or check the TPS chassis.\n expected (shown in file) : %d\n actual (found in chassis): %d		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237619	TPS CONFIGURATION ERROR\n\nAP memory size in /w/config/MRconfig.cfg file \ndoes not agree with actual size. \nEdit the file or check the TPS chassis.\n\nAP board number: %d\n\nexpected size (shown in file) in Mb : %d\n\nactual size (found in chassis) in Mb : %d		<myhost,svr,log>
2237620	TPS CONFIGURATION ERROR\n\nTPS software was unable to open the /w/config/tardis_stage file.\n\nCheck that the file is present. If it is, check the /etc/vxhosts\n\nfile, which may be missing or corrupted.		<myhost,svr,log>
2237621	TPS CONFIGURATION ERROR\n\nThe TPS config data structure could not be created and attempts to\n\naccess it will fail. Check the log for other messages relating\n\nto the MRconfig.cfg file or TPS CPU memory.		<myhost,svr,log>
2237622	TPS SOFTWARE ERROR\n\nTPS config file drivers were called to access uninitialized TPS \n\nconfiguration data; tc_init_config must be called first.		<myhost,prg,log>
2237623	TPS SOFTWARE ERROR\n\nAn invalid pointer was passed to the tc_report_err function.\n\nPointer: %08x\n\nvxWorks error code: %08x		<myhost,prg,log>
2237624	TPS SOFTWARE ERROR\n\nThe function tc_get_localaddr was called to convert an invalid vme \n\naddress to a local address. Addresses requested for conversion must \n\nbe valid CPU, BAM or AP addresses.		<myhost,prg,log>
2237625	TPS SOFTWARE ERROR\n\nThe function tc_get_vmeaddr was called to convert an invalid local \n\naddress to a address. Addresses requested for conversion must \n\nbe valid CPU, BAM or AP addresses. \n\nInvalid local address : %08x		<myhost,prg,log>
2237626	TPS SOFTWARE ERROR\n\nThe TPS config file drivers were called with an invalid Array Processor \n\nboard number. Valid board numbers are 0 and 1.\n\nInvalid board number: %d		<myhost,prg,log>
2237627	TPS SOFTWARE ERROR\n\nThe TPS config file drivers were called with an invalid TPS Memory \n\nboard number. Valid board numbers are 0 through 3.\n\nInvalid board number: %d		<myhost,prg,log>
2237628	TPS SOFTWARE ERROR\n\nThe TPS config file drivers were called with an invalid Receiver \n\nboard number. Valid board numbers are 0 through 3.\n\nInvalid board number: %d		<myhost,prg,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237629	TPS CONFIGURATION ERROR\n\nTPS Chassis Check detected an invalid DIP switch setting on a \nTPS memory board. The Board Size Code on the DIP switch \nmust be 5 or less.\n\nTPS memory board number: %d\n\nInvalid BSC setting: %08x		<myhost,svr,log>
2237630	TPS CONFIGURATION ERROR\n\nTPS Chassis Check failed to autosize TPS memory board %d. \nThis board will be marked all bad. Run TPS memory diags on the board.		<myhost,svr,log>
2237631	TPS CONFIGURATION ERROR\n\nTPS Chassis Check failed to autosize AP board %d. \n2 Mb will be used for that board's memory size. \nRun AP diags on the board.		<myhost,svr,log>
2237632	TPS CONFIGURATION ERROR\n\nThe Board Size Code indicated in the DIP switch on TPS Memory board %d \ndoes not reflect the board's actual memory size. Reset the DIP switch.\n\nBSC setting is : %08x\n\nBSC setting should be : %08x		<myhost,svr,log>
2237633	TPS CONFIGURATION ERROR\n\nUnable to initialize the AP task control block. \nReset TPS and try again.		<myhost,svr,log>
2237634	TPS CONFIGURATION ERROR\n\nUnable to write the contents of the TPS config data structure \nto /w/config/BAM_status. Reset TPS and try again.		<myhost,prg,log>
2237635	TPS SOFTWARE ERROR\n\nA call was made to tc_dump_file but the TPS config data structure \nis not initialized; tc_init_config or tc_diags_config must be \ncalled first.		<myhost,prg,log>
2237636	TPS chassis power has been cycled and the /w/config/TPS_config.lst file \nhas been updated. If boards were changed, running diagnostics is recommended.		<myhost,svr,log>
2237637	BINARY FILE ERROR\n\nTPS binary file drivers failed to open a standard binary file. \nVerify that the file is present then Reset TPS and try again.\n\nfilename : %s%s%s%s		<myhost,prg,log>
2237638	BINARY FILE ERROR\n\nTPS binary file drivers failed to read a standard binary file. \nThe file may be corrupted. Reset TPS and try again.\n\nfilename : %s%s%s%s		<myhost,prg,log>
2237639	BINARY FILE ERROR\n\nTPS binary file drivers failed to create a standard binary file. \nThe file may be corrupted. Reset TPS and try again.\n\nfilename : %s%s%s%s		<myhost,prg,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237640	BINARY FILE ERROR\n\nTPS binary file drivers failed to write to a standard binary file. \n\nThe file may be corrupted. Reset TPS and try again.\n\nfilename : %s%s%s%s		<myhost,prg,log>
2237641	BINARY FILE ERROR\n\nTPS binary file drivers failed to seek data in a standard binary file. \n\nThe file may be corrupted. Reset TPS and try again.\n\nfilename : %s%s%s%s		<myhost,prg,log>
2237642	BINARY FILE ERROR\n\nTPS binary file drivers failed header checksum verification. \n\nThe file may be corrupted. Reset TPS and try again.\n\nfilename : %s%s%s%s		<myhost,prg,log>
2237643	BINARY FILE ERROR\n\nTPS binary file drivers - Header length is not a multiple of 4. \n\nInternal software error.\n\nfilename : %s%s%s%s		<myhost,prg,log>
2237644	BINARY FILE ERROR\n\nTPS binary file drivers - Incorrect revision number. \n\nInternal software error.\n\nfilename : %s%s%s%s		<myhost,prg,log>
2237645	BINARY FILE ERROR\n\nTPS binary file drivers - Incorrect magic number. \n\nInternal software error.\n\nfilename : %s%s%s%s		<myhost,prg,log>
2237646	BINARY FILE ERROR\n\nTPS binary file drivers failed to allocate file buffer space. \n\nCPU memory may be too segmented. Reset TPS and try again.\n\nfilename : %s%s%s%s		<myhost,prg,log>
2237647	BINARY FILE ERROR\n\nTPS binary file drivers - bf_replace_ernes was called with an \n\ninvalid BF error code in the designated packet. \n\nInternal software error.		<myhost,prg,log>
2237648	SYSTEM CONFIG READ ERROR\n\nUnable to allocate IPG CPU space to read MRconfig.cfg data. \n\nCPU memory may be too fragmented. Please Reset TPS \n\nand repeat the test.		<srv,myhost,log>
2237649	TPS CONFIGURATION ERROR\n\nTPS software is unable to open the /w/config/MRconfig.cfg file.\n\nVerify that the file is present. If it is, the /etc/vxhosts file\n\nmay be missing or corrupted.		<srv,myhost,log>
2237650	SYSTEM CONFIG FILE ERROR\n\nThe resource %s was not found in the /w/config/MRconfig.cfg file.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237651	SYSTEM CONFIG FILE ERROR\n\nThe value for the resource %s found in the /w/config/MRconfig.cfg file\n\nis not valid.\n\ninvalid value read : %d		<srv,myhost,log>
2237652	The file /w/config/tardis_stage indicates that the %s is being staged.		<myhost,prg,log>
2237653	TPS CONFIGURATION ERROR\n\nBroadband exciter, shown in /w/config/MRconfig.cfg file, \n\nis not found in chassis. Please check the exciter or \n\nchange the MRconfig.cfg file to match the hardware		<myhost,svr,log>
2237654	TPS CONFIGURATION ERROR\n\nThe CERDpresent value in the MRconfig.cfg file is incorrect. \n\nA CERD board is present in the TPS chassis. Please update the \n\nconfig file to match the installed hardware.		<myhost,svr,log>
2237655	TPS CONFIGURATION ERROR\n\nThe CERD board is not detected in the chassis.\n\nThe board may not be installed correctly or may not be functioning.		<myhost,svr,log>
2237656	TPS CONFIGURATION ERROR\n\nThe number of receiver modules installed on the CERD does not agree \n\nwith numCERDrcvrs shown in the MRconfig file. Check the board \n\nor update the file to match the installed hardware.\n\ninstalled : %d\n\nshown in file : %d		<myhost,svr,log>
2237657	TPS CONFIGURATION ERROR\n\nThe field strength indicated on the CERD board does not agree with\n\nthe value claimed in the MRconfig file. Check the board or update\n\nthe file to match the installed hardware.\n\ninstalled : %d\n\nshown in file : %d		<myhost,svr,log>
2237658	TPS CONFIGURATION ERROR\n\nThe Fast Receiver Local Module is not detected in the TPS chassis.\n\nThe board may not be installed correctly or may not be functioning.		<myhost,svr,log>
2237659	TPS CONFIGURATION ERROR\n\nThe CERD board installed is not the type in MRconfig.cfg file. \n\nPlease update the file to match the installed hardware.\n\ninstalled : %d\n\nshown in file : %d		<myhost,svr,log>
2237676	TPS diags exective was unable to spawn the diagnostics monitor task.\n\nReset TPS and try again.		<myhost,svr,log>
2237677	TPS diags exective was unable to delete the diagnostics monitor task.\n\nReset TPS and try again.		<myhost,svr,log>
2237678	TPS diags exective was unable to spawn the diagnostics task.\n\nReset TPS and try again.		<myhost,svr,log>
2237679	TPS diags exective failed diags task status check.\n\nReset TPS and try again.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237680	TPS diags exective was unable to create the exec message queue.\n Reset TPS and try again.		<myhost,svr,log>
2237681	TPS diags exective failed to pend on the message queue.\n Reset TPS and try again.		<myhost,svr,log>
2237682	TPS diags exec was unable to post the end message.\n Reset TPS and try again.		<myhost,svr,log>
2237683	TPS diags exec received an invalid command word from the Host.\n Internal software error. command word : %08x		<myhost,prg,log>
2237684	TPS diags exec failed cm lookup emulation call.		<myhost,prg,log>
2237685	TPS diags exec failed cm send emulation call.		<myhost,prg,log>
2237686	TPS diags exec failed cm define emulation call.		<myhost,prg,log>
2237687	TPS diags exec was unable to define its NMRID.\n Network failure. Reset TPS and try again.\n vxWorks error code: %08x		<myhost,svr,log>
2237688	TPS diags exec was unable to look up an NMRID.\n Network failure. Reset TPS and try again.\n vxWorks error code: %08x		<myhost,svr,log>
2237689	TPS diags exec was unable to send a packet.\n Network failure. Reset TPS and try again.\n vxWorks error code: %08x		<myhost,svr,log>
2237690	TPS diags exec failed to receive a packet.\n Network failure. Reset TPS and try again.\n vxWorks error code: %08x		<myhost,svr,log>
2237691	TPS DIAGS SOFTWARE ERROR\n The TPS diags function de_report_err is being called with an invalid \ message handler packet pointer.\n Pointer: %08x\n vxWorks error code: %08x		<myhost,prg,log>
2237692	DIAGS STATUS MESSAGE\n TPS diags exec has begun execution of the %s Diagnostics.\n (command word received = %08x H ; Loop mode = %d)		<myhost,prg,log>
2237693	TPS BOARD LEVEL DIAGS FAILURE\n The TPS diags exec was unable to open the /w/config/tardis_stage file. \ Diagnostics were not run. The file may be non-existent or corrupted, \ or a network problem may exist.		<myhost,svr,log>
2237694	TPS BOARD LEVEL DIAGS SOFTWARE ERROR\n The TPS diags function de_check_stage was called before a successful \ call to tc_init_stage. TPS stage information is not available.		<myhost,prg,log>
2237695	TPS BOARD LEVEL DIAGS SOFTWARE ERROR\n The TPS diags function de_check_stage was called with a letter that \ was found in the tardis_stage file, but whose meaning isn't known to the \ function. The function needs to be updated.\n stage letter : %c		<myhost,prg,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237696	TPS DIAGS STAGING MESSAGE\n The file /w/config/tardis_stage indicates that the %s is being staged. \n Diagnostics are not run on staged hardware. If the %s is present, \n please edit the tardis_stage file to enable %s diags.		<myhost,prg,log>
2237697	TPS diags exec has detected significant leakage in TPS CPU memory, \n and actions have been taken to cause a reset of TPS/IPG to reclaim \n memory. This is a known software condition and should cause no problems.		<myhost,prg,log>
2237698	TPS CPU Format 0 (4-word) exception occurred.\n %b diags were running at the time.\n Task ID: %08xH\n Vector: %08xH\n Program counter: %08xH		<srv,myhost,log>
2237699	TPS CPU Format 1 (Throwaway 4-word) exception occurred.\n %b diags were running at the time.\n Task ID: %08xH\n Vector: %08xH\n Program counter: %08xH		<srv,myhost,log>
2237700	TPS CPU Format 2 (6-word) exception occurred.\n %b diags were running at the time.\n Task ID: %08xH\n Vector: %08xH\n Access address: %08xH		<srv,myhost,log>
2237701	TPS CPU Format 3 (floating point) exception occurred.\n %b diags were running at the time.\n Task ID: %08xH\n Vector: %08xH\n Effective address: %08xH		<srv,myhost,log>
2237702	TPS CPU Format 7 (bus error) exception occurred.\n %b diags were running at the time.\n Task ID: %08xH\n Vector: %08xH\n Fault address: %08xH (%b)		<srv,myhost,log>
2237703	TPS CPU Format 9 (coprocessor mid-instruction) exception occurred.\n %b diags were running at the time.\n Task ID: %08xH\n Vector: %08xH\n Access address: %08xH		<srv,myhost,log>
2237704	TPS CPU Format 10 (short bus cycle) exception occurred.\n %b diags were running at the time.\n Task ID: %08xH\n Vector: %08xH\n Fault address: %08xH (%b)		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237705	TPS CPU Format 11 (long bus cycle) exception occurred.\n\n%b diags were running at the time.\n\nTask ID: %08xH\n\nVector: %08xH\n\nFault address: %08xH (%b)		<srv,myhost,log>
2237706	TPS CPU Asynchronous format exception occurred.\n\n%b diags were running at the time.\n\nTask ID: %08xH (0 indicates asynchronous)\n\nVector: %08xH		<srv,myhost,log>
2237707	An invalid TPS CPU Format exception occurred.\n\n%b diags were running at the time.\n\nTask ID: %08xH\n\nVector: %08xH\n\nInvalid Stack Frame Format: %d		<srv,myhost,log>
2237708	MEDCAM/SBAM board level		<srv,myhost,log>
2237709	ISE Datapath		<srv,myhost,log>
2237710	CERD board level		<srv,myhost,log>
2237711	a TPS CPU board address		<myhost,svr,log>
2237712	an IPG board address		<myhost,svr,log>
2237713	a CERD board address, A24 access		<myhost,svr,log>
2237714	a CERD board address, A32 access		<myhost,svr,log>
2237715	a MEDCAM/SBAM board address		<myhost,svr,log>
2237716	a Fast Receiver address		<myhost,svr,log>
2237717	not specific to any VME board		<myhost,svr,log>
2237896	ISE DP: IPG-TPS 040 Mem Test Failure.\n\nThe data pattern test failed.\n\nVME addr: %08xH\n\nData exp: %08xH\n\nData read: %08xH\n\nFRU(s): IPG, TPS CPU		<myhost,svr,log>
2237897	ISE DP: IPG-TPS 040 Mem Test Failure.\n\nThe address pattern test failed.\n\nVME addr: %08xH\n\nData exp: %08xH\n\nData read: %08xH\n\nFRU(s): IPG, TPS CPU		<myhost,svr,log>
2237898	ISE DP: IPG-MEDCAM/SBAM Mem Test Failure.\n\nThe data pattern test failed.\n\nVME addr: %08xH\n\nData exp: %08xH\n\nData read: %08xH\n\nFRU(s): IPG, MEDCAM/SBAM		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237899	ISE DP: IPG-MEDCAM/SBAM Mem Test Failure.\n\ The address pattern test failed.\n\ VME addr: %08xH\n\ Data exp: %08xH\n\ Data read: %08xH\n\ FRU(s): IPG, MEDCAM/SBAM		<myhost,svr,log>
2237900	ISE DP: SSP Bus Test Failure.\n\ The LCA's may have failed to play out all SSP bus data\n\ since an EOS interrupt was not received after %d seconds.\n\ FRU(s): IPG		<myhost,svr,log>
2237901	ISE DP: RF Bus Test Failure.\n\ The LCA's may have failed to play out all RF bus data\n\ since an EOS interrupt was not received after %d seconds.\n\ FRU(s): IPG		<myhost,svr,log>
2237902	ISE DP: XD Bus Monitor Test Failure.\n\ The LCA's may have failed to play out the SSP start packet\n\ since an EOS interrupt was not received after %d seconds.\n\ FRU(s): IPG		<myhost,svr,log>
2237903	ISE DP: SPU XD Bus Monitor Test Failure.\n\ The SPU XD bus monitor FIFO overflowed.\n\ RCVR address: %d\n\ XD Monitor mode: %c (A=all, E=even, O=odd)\n\ FRU(s): CERD Digital Board, IPG		<myhost,svr,log>
2237904	ISE DP: SPU XD Bus Monitor Test Failure.\n\ No data was received in the SPU XD bus monitor FIFO.\n\ RCVR address: %d\n\ XD Monitor mode: %c (A=all, E=even, O=odd)\n\ FRU(s): CERD Digital Board, IPG		<myhost,svr,log>
2237905	ISE DP: SPU XD Bus Monitor Test Failure.\n\ The SPU XD bus monitor FIFO received less data than expected.\n\ Expected: %d blocks\n\ Received: %d blocks\n\ RCVR address: %d\n\ XD Monitor mode: %c (A=all, E=even, O=odd)\n\ FRU(s): CERD Digital Board, IPG		<myhost,svr,log>
2237906	ISE DP: SPU XD Bus Monitor Test Failure.\n\ The SPU XD bus monitor failed the data integrity test.\n\ Data Exp: %08xH\n\ Data Rd: %08xH\n\ RCVR address: %d\n\ XD Monitor mode: %c (A=all, E=even, O=odd)\n\ FRU(s): CERD Digital Board, IPG		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237907	ISE DP: Fast Receiver XD Bus Test Failure.\n\nThe LCA's may have failed to play out all SSP bus data\n\nsince an EOS interrupt was not received after %d seconds.\n\nFRU(s): IPG		<myhost,svr,log>
2237946	BIT3 Diags - Failed to open BIT3 device: %s.\n\nCheck that correct driver exists. Check driver permissions.\n\nBIT3 Diags may not be available for this model hardware.		<myhost,svr,log>
2237947	BIT3 Diags - Memory allocation error.\n\nThe Host CPU was unable to allocate a %d byte source buffer.\n\nThe tests will not be run.\n\nUnix error code: %d		<myhost,svr,log>
2237948	BIT3 Diags - Memory allocation error.\n\nThe Host CPU was unable to allocate a %d byte destination buffer.\n\nThe tests will not be run.\n\nUnix error code: %d		<myhost,svr,log>
2237949	BIT3 Diags - Invalid loopback test selection.\n\nAn invalid loopback test selection was made.\n\nThis is a programming error that needs to be fixed.		<myhost,prg,log>
2237950	BIT3 Diags - Local loopback test failure.\n\nCannot communicate with Local BIT3 hardware.\n\nFRU(s): Local BIT3 Bd.\n\nUnix error code: %d		<myhost,svr,log>
2237951	BIT3 Diags - Remote loopback test failure.\n\nCannot communicate with Remote BIT3 hardware.\n\nFRU(s): Remote BIT3 Bd. or cable.\n\nUnix error code: %d		<myhost,svr,log>
2237952	BIT3 Diags - Local loopback failure.\n\nA data error was detected.\n\nData exp: %08xH\n\nData read: %08xH\n\nIndex: %d\n\nFRU(s): Local BIT3 Board.		<myhost,svr,log>
2237953	BIT3 Diags - Remote loopback failure.\n\nA data error was detected.\n\nData exp: %08xH\n\nData read: %08xH\n\nIndex: %d\n\nFRU(s): Remote Bd, Local Bd, or cable.		<myhost,svr,log>
2237996	Resetting TPS and downloading diags.		<myhost,prg,log>
2237997	MR Mail send from the host diags process to the %s failed.\n\nUnable to run the requested diags. Possible TPS/IPG failure or\n\nsoftware problem.		<myhost,svr,log>
2237998	MR Mail send from the host diags process to IPG applications (HPC) failed\n\nfollowing TPS reset at the beginning of SLE execution. Unable to run SLEs.\n\nPossible error during TPS/IPG apps init, or network mail problem.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2237999	The diags results packet from the %s was empty.\n\nThe results of the diags could not be reported.\n\nCorrupted mail packet indicates a possible network communication or\n\nsoftware problem.		<myhost,svr,log>
2238000	The proprietary diags software does not appear to be loaded, so\n\nonly non-proprietary diags are being provided on the diags desktop.\n\nTo access proprietary diags, reload the proprietary software and\n\nrestart diags.		<myhost,svr,log>
2238001	Starting %s diags.		<myhost,prg,log>
2238002	Starting %s diags. (command word : %08x loop count : %d)		<myhost,prg,log>
2238003	Starting datapath diags. (command word : %08x duration : %d seconds)		<myhost,prg,log>
2238004	Diags completed.		<myhost,prg,log>
2238005	Diags stopped.		<myhost,prg,log>
2238006	Host DP start packet from TPS is empty. Corrupted mail packet\n\nindicates TPS communication hw or sw problem. Unable to run\n\nselected host datapath tests.		<myhost,svr,log>
2238007	Software call from process_hostdp_start to isedp_tests_open failed.\n\nisedp_tests_open returned error %d.\n\nHost datapath diags sw problem indicated.		<myhost,svr,log>
2238008	The OW-PC is staged. Diags are not run on staged hardware.\n\nIf the OW-PC is present, remove the C from the ipg_stage file\n\nand re-run the test.		<myhost,svr,log>
2238009	The selected OW-PC test failed to run, indicating a possible communication\n\nproblem with the PC. Check connections and reset the PC; replace if unable to\n\nrecover.		<myhost,svr,log>
2238010	The OW-PC Loopback test failed.\n\npattern sent : %x\n\npattern expected : %x\n\npattern received : %x		<myhost,svr,log>
2238011	On exiting diags, the send mail to the Service Desktop Manager failed.\n\nThis could be caused by exiting diags during a TPS reset, or after cycling\n\nTPS power during diags. A TPS Reset from the Service desktop may be\n\nrequired to reinitialize the TPS.		<myhost,svr,log>
2238012	Software Error : error number %d indicates that it contains floating point\n\nparameters, but this error is unknown to the diags process, so it does not\n\nknow how to log it. See the log_float_error function in the DiagsMain project.		<myhost,svr,log>
2238013	Loop counts and iteration counts do not apply to the selected tests.\n\nThese tests are run once per execution.		<myhost,svr,log>
2238014	Starting selected diags with an iteration count of %d.		<myhost,prg,log>
2238046	ISE DP - Invalid test selection.\n\nThe Host CPU received a datapath test list packet from the TPS CPU\n\nthan contains an invalid test selection. Check the TPS and Host\n\nsoftware for a programming error.\n\nInvalid test ID: %08xH		<myhost,prg,log>



## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238055	ISE DP - BIT3 DMA error.\n\n                     A data error was detected during a 32-bit block mode DMA transfer using the\n\n                     BIT3 board set. The target buffer is MEDCAM MOD board memory.\n\n                     VME addr: %08xH\n\n                     Data exp: %08xH\n\n                     Data read: %08xH\n\n                     FRU(s): BIT3 bds, MEDCAM		<myhost,svr,log>
2238056	ISE DP - BIT3 DMA error.\n\n                     A data error was detected during a 32-bit nonblock DMA transfer using the\n\n                     BIT3 board set. The target buffer is MEDCAM MOD board memory.\n\n                     VME addr: %08xH\n\n                     Data exp: %08xH\n\n                     Data read: %08xH\n\n                     FRU(s): BIT3 bds, MEDCAM		<myhost,svr,log>
2238057	ISE DP - BIT3 DMA error.\n\n                     A data error was detected during a 32-bit nonblock DMA transfer using the\n\n                     BIT3 board set. The target buffer is IPG CPU board memory.\n\n                     VME addr: %08xH\n\n                     Data exp: %08xH\n\n                     Data read: %08xH\n\n                     FRU(s): BIT3 bds, IPG CPU		<myhost,svr,log>
2238344	Internal GAP software error. Invalid 5 bit address.\n\n                     Address Selected: 0x%08X\n\n                     If you are using a tool like SHMOD or a debugger, you requested\n\n                     invalid information. If no tools were being run, there is a bug\n\n                     in the software; write a CQA.		<sup,myhost,log>
2238345	Internal GAP software error. Number of axis is not between %d and %d.\n\n                     Axis Selected: %d\n\n                     If you are using a tool like SHMOD or a debugger, you requested\n\n                     invalid information. If no tools were being run, there is a bug\n\n                     in the software; write a CQA.		<sup,myhost,log>
2238346	Internal GAP software error. Invalid 4 bit data.\n\n                     Data to Write: 0x%08X\n\n                     If you are using a tool like SHMOD or a debugger, you requested\n\n                     invalid information. If no tools were being run, there is a bug\n\n                     in the software; write a CQA.		<sup,myhost,log>
2238347	Internal GAP software error. Invalid selection for a test point.\n\n                     Test Point Selected: %d\n\n                     If the GAP software is running okay ( the GAP Board LED is blinking with\n\n                     a period of 5 seconds ), then this is a software bug; write a CQA.		<sup,myhost,log>
2238348	Internal GAP software error. Invalid selection for an update mode.\n\n                     Update Mode Selected: %d\n\n                     SPI software specified an undefined mode in a MDS packet. If the\n\n                     MDS link connection is good, this is a software bug; write a CQA.		<sup,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238349	Internal GAP software error. Invalid interrupt.\n Interrupt: %d\n If the GAP software is running okay ( the GAP Board LED is blinking with\n a period of 5 seconds ), then this is a software bug; write a CQA.		<sup,myhost,log>
2238350	Internal GAP software error. Invalid MDS opcode.\n Undefined Opcode: %d\n The GAP received an undefined opcode from a SPI MDS packet.\n If GAP and SPI software are from the same tape build and the MDS\n link is good, this is a software bug; write a CQA.		<sup,myhost,log>
2238351	X Axis gradient error detected.\n A spurious error occurred on the X Axis. Common causes are loose or noisy\n status signals: Check connections between gradient driver hardware.		<srv,myhost,log>
2238352	Y Axis gradient error detected.\n A spurious error occurred on the Y Axis. Common causes are loose or noisy\n status signals: Check connections between gradient driver hardware.		<srv,myhost,log>
2238353	Z Axis gradient error detected.\n A spurious error occurred on the Z Axis. Common causes are loose or noisy\n status signals: Check connections between gradient driver hardware.		<srv,myhost,log>
2238354	X Axis gradient ready error detected.\n A ready interrupt occurred on the X Axis while the axis was\n ready. This will not stop the scan, but indicates a communication\n problem between the GAP and the MIF.		<opr,myhost,log>
2238355	Y Axis gradient ready error detected.\n A ready interrupt occurred on the Y Axis while the axis was\n ready. This will not stop the scan, but indicates a communication\n problem between the GAP and the MIF.		<opr,myhost,log>
2238356	Z Axis gradient ready error detected.\n A ready interrupt occurred on the Z Axis while the axis was\n ready. This will not stop the scan, but indicates a communication\n problem between the GAP and the MIF.		<opr,myhost,log>
2238357	X Axis GRAM ready error detected.\n A GRAM ready interrupt occurred on the X Axis while the axis was\n ready. This will not stop the scan, but indicates a communication\n problem between the GAP and the GRAM.		<opr,myhost,log>
2238358	Y Axis GRAM ready error detected.\n A GRAM ready interrupt occurred on the Y Axis while the axis was\n ready. This will not stop the scan, but indicates a communication\n problem between the GAP and the GRAM.		<opr,myhost,log>
2238359	Z Axis GRAM ready error detected.\n A GRAM ready interrupt occurred on the Z Axis while the axis was\n ready. This will not stop the scan, but indicates a communication\n problem between the GAP and the GRAM.		<opr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238370	GAP flash memory error. Memory erase failed.\n\nAddress Given to Erase: 0x%06X\n\nContents of Address Location: 0x%08X\n\nPlease Reset TPS again. If error is persistent, the flash memory on\n\nthe GAP Board might be bad.		<srv,myhost,log>
2238371	GAP flash memory error. Improper command sequence for erase.\n\nAddress Given to Erase: 0x%06X\n\nContents of Address Location: 0x%08X\n\nPlease Reset TPS again. If error is persistent, the flash memory on\n\nthe GAP Board might be bad.		<srv,myhost,log>
2238372	GAP flash memory error. Memory erase took too long and timed out.\n\nAddress Given to Erase: 0x%06X\n\nPlease Reset TPS again. If error is persistent, the flash memory on\n\nthe GAP Board might be bad.		<srv,myhost,log>
2238373	GAP flash memory error. Vpp not present to erase successfully.\n\nAddress Given to Erase: 0x%06X\n\nContents of Address Location: 0x%08X\n\nPlease Reset TPS again. If error is persistent, the flash memory on\n\nthe GAP Board might be bad.		<srv,myhost,log>
2238374	GAP flash memory error. Improper command sequence for byte programming.\n\nAddress Given to Program: 0x%06X\n\nContents of Address Location: 0x%08X\n\nPlease Reset TPS again. If error is persistent, the flash memory on\n\nthe GAP Board might be bad.		<srv,myhost,log>
2238375	GAP flash memory error. Memory programming took too long and timed out.\n\nAddress Given to Program: 0x%06X\n\nPlease Reset TPS again. If error is persistent, the flash memory on\n\nthe GAP Board might be bad.		<srv,myhost,log>
2238376	GAP flash memory error. Vpp not present to byte write successfully.\n\nAddress Given to Program: 0x%06X\n\nContents of Address Location: 0x%08X\n\nPlease Reset TPS again. If error is persistent, the flash memory on\n\nthe GAP Board might be bad.		<srv,myhost,log>
2238400	Internal GAP software error. Invalid selection for clearing a MIF\n\nerror bit.\n\nMIF Selected to Clear: %d\n\nIf the GAP software is running okay ( the GAP Board LED is blinking with\n\na period of 5 seconds ), then this is a software bug; write a CQA.		<sup,myhost,log>
2238401	Internal GAP software error. Invalid selection for setting or clearing\n\na MIF mask bit.\n\nMIF MASK Selected: %d\n\nIf the GAP software is running okay ( the GAP Board LED is blinking with\n\na period of 5 seconds ), then this is a software bug; write a CQA.		<sup,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238402	Hardware Error - No Gradient Clock.\b\ A gradient clock stop occurred. The GAP stopped receiving the gradient\ clock from the IPG. Check the connection between the TYME Board and the\ GAP Board, then run fiber optic diagnostics.		<pri7,svr,myhost,log>
2238403	X Axis MIF - No Gradient Clock.\b\ A gradient clock stop occurred. The MIF X axis stopped receiving\ the gradient clock. Check the HSSD connection between the GAP and\ the X Axis MIF.\n\ %b		<pri7,svr,myhost,log>
2238404	Y Axis MIF - No Gradient Clock.\b\ A gradient clock stop occurred. The MIF Y axis stopped receiving\ the gradient clock. Check the HSSD connection between the GAP and\ the Y Axis MIF.\n\ %b		<pri7,svr,myhost,log>
2238405	Z Axis MIF - No Gradient Clock.\b\ A gradient clock stop occurred. The MIF Z axis stopped receiving\ the gradient clock. Check the HSSD connection between the GAP and\ the Z Axis MIF.\n\ %b		<pri7,svr,myhost,log>
2238406	Hardware Error - Gradient data framing error.\n\ The GAP reported a data framing error.\n\ Check the connections between the TYME Board and the GAP Board.		<opr,myhost,log>
2238407	X Axis MIF - Gradient data framing error.\n\ The MIF X axis reported a power module data framing error.\n\ Check the HSSD connection between the GAP and the X Axis MIF.		<opr,myhost,log>
2238408	Y Axis MIF - Gradient data framing error.\n\ The MIF Y axis reported a power module data framing error.\n\ Check the HSSD connection between the GAP and the Y Axis MIF.		<opr,myhost,log>
2238409	Z Axis MIF - Gradient data framing error.\n\ The MIF Z axis reported a power module data framing error.\n\ Check the HSSD connection between the GAP and the Z Axis MIF.		<opr,myhost,log>
2238410	X Axis Gradient Overload Occurred.\b\ The X axis HIGH 8645 Power Module has reported an overload. An overload is\ the result of the power module output voltage not following the input command.		<pri7,opr,myhost,log>
2238411	Y Axis Gradient Overload Occurred.\b\ The Y axis HIGH 8645 Power Module has reported an overload. An overload is\ the result of the power module output voltage not following the input command.		<pri7,opr,myhost,log>
2238412	Z Axis Gradient Overload Occurred.\b\ The Z axis HIGH 8645 Power Module has reported an overload. An overload is\ the result of the power module output voltage not following the input command.		<pri7,opr,myhost,log>
2238413	X Axis Gradient Overload Occurred.\b\ The X axis LOW 8645 Power Module has reported an overload. An overload is\ the result of the power module output voltage not following the input command.		<pri7,opr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238414	Y Axis Gradient Overload Occurred.\b\ The Y axis LOW 8645 Power Module has reported an overload. An overload is\n\ the result of the power module output voltage not following the input command.		<pri7,opr,myhost,log>
2238415	Z Axis Gradient Overload Occurred.\b\ The Z axis LOW 8645 Power Module has reported an overload. An overload is\n\ the result of the power module output voltage not following the input command.		<pri7,opr,myhost,log>
2238416	X Axis gradient error detected.		<pri5,opr,myhost>
2238417	Y Axis gradient error detected.		<pri5,opr,myhost>
2238418	Z Axis gradient error detected.		<pri5,opr,myhost>
2238419	One or both of the X axis 8645 Power Modules failed to go to ready\n\ when commanded. Check the LED status on the X axis 8645s for a fault,\n\ the cable connections between the X axis MIF and the GAP, and power to the\n\ MIF and X axis power modules.		<srv,myhost,log>
2238420	One or both of the Y axis 8645 Power Modules failed to go to ready\n\ when commanded. Check the LED status on the Y axis 8645s for a fault,\n\ the cable connections between the Y axis MIF and the GAP, and power to the\n\ MIF and Y axis power modules.		<srv,myhost,log>
2238421	One or both of the Z axis 8645 Power Modules failed to go to ready\n\ when commanded. Check the LED status on the Z axis 8645s for a fault,\n\ the cable connections between the Z axis MIF and the GAP, and power to the\n\ MIF and Z axis power modules.		<srv,myhost,log>
2238422	The X axis 8645 Power Module failed to go to ready when commanded.\n\ Check the LED status on the X axis 8645 for a fault, the cable connections\n\ between the X axis MIF and the GAP, and power to the MIF and X axis 8645.		<srv,myhost,log>
2238423	The Y axis 8645 Power Module failed to go to ready when commanded.\n\ Check the LED status on the Y axis 8645 for a fault, the cable connections\n\ between the Y axis MIF and the GAP, and power to the MIF and Y axis 8645.		<srv,myhost,log>
2238424	The Z axis 8645 Power Module failed to go to ready when commanded.\n\ Check the LED status on the Z axis 8645 for a fault, the cable connections\n\ between the Z axis MIF and the GAP, and power to the MIF and Z axis 8645.		<srv,myhost,log>
2238425	A X axis 8645 Power Module(s) failed to go to standby when commanded.\n\ Check the cable connections between the X axis MIF and the GAP, and power\n\ to the MIF and 8645s. Verify that the switch on the front of the X axis MIF\n\ is set to GAP control.		<srv,myhost,log>
2238426	A Y axis 8645 Power Module(s) failed to go to standby when commanded.\n\ Check the cable connections between the Y axis MIF and the GAP, and power\n\ to the MIF and 8645s. Verify that the switch on the front of the Y axis MIF\n\ is set to GAP control.		<srv,myhost,log>
2238427	A Z axis 8645 Power Module(s) failed to go to standby when commanded.\n\ Check the cable connections between the Z axis MIF and the GAP, and power\n\ to the MIF and 8645s. Verify that the switch on the front of the Z axis MIF\n\ is set to GAP control.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238428	The X axis 8645 Power Module failed to go to standby when commanded.\n\nCheck the cable connections between the X axis MIF and the GAP, and power\n\n to the MIF and 8645. Verify that the switch on the front of the X axis MIF\n\n is set to GAP control.		<srv,myhost,log>
2238429	The Y axis 8645 Power Module failed to go to standby when commanded.\n\nCheck the cable connections between the Y axis MIF and the GAP, and power\n\n to the MIF and 8645. Verify that the switch on the front of the Y axis MIF\n\n is set to GAP control.		<srv,myhost,log>
2238430	The Z axis 8645 Power Module failed to go to standby when commanded.\n\nCheck the cable connections between the Z axis MIF and the GAP, and power\n\n to the MIF and 8645. Verify that the switch on the front of the Z axis MIF\n\n is set to GAP control.		<srv,myhost,log>
2238431	The MIF is reporting a shelf over temperature fault on the X axis HIGH\n\n8645 Power Module. Wait for the temperature to cool before\n\n trying to scan. Cooling time may be in excess of 5 minutes.		<srv,myhost,log>
2238432	The MIF is reporting a shelf over temperature fault on the Y axis HIGH\n\n8645 Power Module. Wait for the temperature to cool before\n\n trying to scan. Cooling time may be in excess of 5 minutes.		<srv,myhost,log>
2238433	The MIF is reporting a shelf over temperature fault on the Z axis HIGH\n\n8645 Power Module. Wait for the temperature to cool before\n\n trying to scan. Cooling time may be in excess of 5 minutes.		<srv,myhost,log>
2238434	The MIF is reporting a shelf over temperature fault on the X axis LOW\n\n8645 Power Module. Wait for the temperature to cool before\n\n trying to scan. Cooling time may be in excess of 5 minutes.		<srv,myhost,log>
2238435	The MIF is reporting a shelf over temperature fault on the Y axis LOW\n\n8645 Power Module. Wait for the temperature to cool before\n\n trying to scan. Cooling time may be in excess of 5 minutes.		<srv,myhost,log>
2238436	The MIF is reporting a shelf over temperature fault on the Z axis LOW\n\n8645 Power Module. Wait for the temperature to cool before\n\n trying to scan. Cooling time may be in excess of 5 minutes.		<srv,myhost,log>
2238437	The MIF is reporting a transformer over temperature fault on the X axis\n\nHIGH 8645 Power Module. Wait for the temperature to cool before\n\n trying to scan. Cooling time may be in excess of 10 minutes.		<srv,myhost,log>
2238438	The MIF is reporting a transformer over temperature fault on the Y axis\n\nHIGH 8645 Power Module. Wait for the temperature to cool before\n\n trying to scan. Cooling time may be in excess of 10 minutes.		<srv,myhost,log>
2238439	The MIF is reporting a transformer over temperature fault on the Z axis\n\nHIGH 8645 Power Module. Wait for the temperature to cool before\n\n trying to scan. Cooling time may be in excess of 10 minutes.		<srv,myhost,log>
2238440	The MIF is reporting a transformer over temperature fault on the X axis\n\nLOW 8645 Power Module. Wait for the temperature to cool before\n\n trying to scan. Cooling time may be in excess of 10 minutes.		<srv,myhost,log>
2238441	The MIF is reporting a transformer over temperature fault on the Y axis\n\nLOW 8645 Power Module. Wait for the temperature to cool before\n\n trying to scan. Cooling time may be in excess of 10 minutes.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238442	The MIF is reporting a transformer over temperature fault on the Z axis\n\nLOW 8645 Power Module. Wait for the temperature to cool before\n\ntrying to scan. Cooling time may be in excess of 10 minutes.		<srv,myhost,log>
2238443	The MIF is reporting a transistor fault on the X axis HIGH 8645\n\nPower Module. To clear the fault, power cycle the X axis\n\nHIGH 8645 Power Module and try to scan. If the LED on the Main Control\n\nBoard is lit again, replace the shelf.		<srv,myhost,log>
2238444	The MIF is reporting a transistor fault on the Y axis HIGH 8645\n\nPower Module. To clear the fault, power cycle the Y axis\n\nHIGH 8645 Power Module and try to scan. If the LED on the Main Control\n\nBoard is lit again, replace the shelf.		<srv,myhost,log>
2238445	The MIF is reporting a transistor fault on the Z axis HIGH 8645\n\nPower Module. To clear the fault, power cycle the Z axis\n\nHIGH 8645 Power Module and try to scan. If the LED on the Main Control\n\nBoard is lit again, replace the shelf.		<srv,myhost,log>
2238446	The MIF is reporting a transistor fault on the X axis LOW 8645\n\nPower Module. To clear the fault, power cycle the X axis\n\nLOW 8645 Power Module and try to scan. If the LED on the Main Control\n\nBoard is lit again, replace the shelf.		<srv,myhost,log>
2238447	The MIF is reporting a transistor fault on the Y axis LOW 8645\n\nPower Module. To clear the fault, power cycle the Y axis\n\nLOW 8645 Power Module and try to scan. If the LED on the Main Control\n\nBoard is lit again, replace the shelf.		<srv,myhost,log>
2238448	The MIF is reporting a transistor fault on the Z axis LOW 8645\n\nPower Module. To clear the fault, power cycle the Z axis\n\nLOW 8645 Power Module and try to scan. If the LED on the Main Control\n\nBoard is lit again, replace the shelf.		<srv,myhost,log>
2238449	X axis HIGH 8645 Power Module Poly Phase Buck Module Error occurred.\n\n%b		<srv,myhost,log>
2238450	Y axis HIGH 8645 Power Module Poly Phase Buck Module Error occurred.\n\n%b		<srv,myhost,log>
2238451	Z axis HIGH 8645 Power Module Poly Phase Buck Module Error occurred.\n\n%b		<srv,myhost,log>
2238452	X axis LOW 8645 Power Module Poly Phase Buck Module Error occurred.\n\n%b		<srv,myhost,log>
2238453	Y axis LOW 8645 Power Module Poly Phase Buck Module Error occurred.\n\n%b		<srv,myhost,log>
2238454	Z axis LOW 8645 Power Module Poly Phase Buck Module Error occurred.\n\n%b		<srv,myhost,log>
2238455	The MIF is reporting a die over temperature fault on the X axis HIGH\n\n8645 Power Module. A die over temperature is an indication that\n\nthe power module output shelf is too hot and has momentarily shutdown\n\nto cool.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238456	The MIF is reporting a die over temperature fault on the Y axis HIGH\n8645 Power Module. A die over temperature is an indication that\nthe power module output shelf is too hot and has momentarily shutdown\n\nto cool.		<srv,myhost,log>
2238457	The MIF is reporting a die over temperature fault on the Z axis HIGH\n8645 Power Module. A die over temperature is an indication that\nthe power module output shelf is too hot and has momentarily shutdown\n\nto cool.		<srv,myhost,log>
2238458	The MIF is reporting a die over temperature fault on the X axis LOW\n8645 Power Module. A die over temperature is an indication that\nthe power module output shelf is too hot and has momentarily shutdown\n\nto cool.		<srv,myhost,log>
2238459	The MIF is reporting a die over temperature fault on the Y axis LOW\n8645 Power Module. A die over temperature is an indication that\nthe power module output shelf is too hot and has momentarily shutdown\n\nto cool.		<srv,myhost,log>
2238460	The MIF is reporting a die over temperature fault on the Z axis LOW\n8645 Power Module. A die over temperature is an indication that\nthe power module output shelf is too hot and has momentarily shutdown\n\nto cool.		<srv,myhost,log>
2238461	The GAP couldn't command X axis 8645(s) ready because MIF is in\nSERVICE MODE. Move MIF slider switch S3 to GAP CONTROL and MIF switch\nS4, bits 1-5, up to disable SERVICE MODE. If SERVICE MODE is desired,\n\nto cool.\nput a `G' in the ipg_stage file and reset TPS.		<srv,myhost,log>
2238462	The GAP couldn't command Y axis 8645(s) ready because MIF is in\nSERVICE MODE. Move MIF slider switch S3 to GAP CONTROL and MIF switch\nS4, bits 1-5, up to disable SERVICE MODE. If SERVICE MODE is desired,\n\nto cool.\nput a `G' in the ipg_stage file and reset TPS.		<srv,myhost,log>
2238463	The GAP couldn't command Z axis 8645(s) ready because MIF is in\nSERVICE MODE. Move MIF slider switch S3 to GAP CONTROL and MIF switch\nS4, bits 1-5, up to disable SERVICE MODE. If SERVICE MODE is desired,\n\nto cool.\nput a `G' in the ipg_stage file and reset TPS.		<srv,myhost,log>
2238464	The GAP could not command the X axis 8645(s) to ready.\n\nThe X axis MIF indicates that current sense summing is on.\n\nMove the slider switch on the MIF Board to CURRENT SENSE SUMMING OFF\nbefore trying to command the 8645(s) to ready.		<srv,myhost,log>
2238465	The GAP could not command the Y axis 8645(s) to ready.\n\nThe Y axis MIF indicates that current sense summing is on.\n\nMove the slider switch on the MIF Board to CURRENT SENSE SUMMING OFF\nbefore trying to command the 8645(s) to ready.		<srv,myhost,log>
2238466	The GAP could not command the Z axis 8645(s) to ready.\n\nThe Z axis MIF indicates that current sense summing is on.\n\nMove the slider switch on the MIF Board to CURRENT SENSE SUMMING OFF\nbefore trying to command the 8645(s) to ready.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238467	The GAP could not command the X axis 8645(s) to ready.\n The X axis MIF indicates the drive signal to the LOW 8645 is not inverted.\n Move the slider switch on the MIF Board to LOW-SIDE INVERTED ON\n before trying to command the 8645(s) to ready.		<srv,myhost,log>
2238468	The GAP could not command the Y axis 8645(s) to ready.\n The Y axis MIF indicates the drive signal to the LOW 8645 is not inverted.\n Move the slider switch on the MIF Board to LOW-SIDE INVERTED ON\n before trying to command the 8645(s) to ready.		<srv,myhost,log>
2238469	The GAP could not command the Z axis 8645(s) to ready.\n The Z axis MIF indicates the drive signal to the LOW 8645 is not inverted.\n Move the slider switch on the MIF Board to LOW-SIDE INVERTED ON\n before trying to command the 8645(s) to ready.		<srv,myhost,log>
2238470	The GAP could not command the X axis 8645(s) to ready.\n The X axis MIF indicates the load compensation is not 0. Change the\n LD CMP3 switch on the MIF before trying to command the 8645(s) to ready.		<srv,myhost,log>
2238471	The GAP could not command the Y axis 8645(s) to ready.\n The Y axis MIF indicates the load compensation is not 0. Change the\n LD CMP3 switch on the MIF before trying to command the 8645(s) to ready.		<srv,myhost,log>
2238472	The GAP could not command the Z axis 8645(s) to ready.\n The Z axis MIF indicates the load compensation is not 0. Change the\n LD CMP3 switch on the MIF before trying to command the 8645(s) to ready.		<srv,myhost,log>
2238473	The GAP could not command the X axis 8645(s) to ready.\n The X axis MIF indicates the full scale output is not 200A. Change the\n FS 200 switch on the MIF before trying to command the 8645(s) to ready.		<srv,myhost,log>
2238474	The GAP could not command the Y axis 8645(s) to ready.\n The Y axis MIF indicates the full scale output is not 200A. Change the\n FS 200 switch on the MIF before trying to command the 8645(s) to ready.		<srv,myhost,log>
2238475	The GAP could not command the Z axis 8645(s) to ready.\n The Z axis MIF indicates the full scale output is not 200A. Change the\n FS 200 switch on the MIF before trying to command the 8645(s) to ready.		<srv,myhost,log>
2238476	The GAP could not command the X axis 8645(s) to ready.\n The X axis MIF indicates a GRAM is not present and in VOLTAGE CONTROL mode.\n Change the CTRL V switch on the MIF to disable VOLTAGE CONTROL mode\n before trying to command the 8645(s) to ready.		<srv,myhost,log>
2238477	The GAP could not command the Y axis 8645(s) to ready.\n The Y axis MIF indicates a GRAM is not present and in VOLTAGE CONTROL mode.\n Change the CTRL V switch on the MIF to disable VOLTAGE CONTROL mode\n before trying to command the 8645(s) to ready.		<srv,myhost,log>
2238478	The GAP could not command the Z axis 8645(s) to ready.\n The Z axis MIF indicates a GRAM is not present and in VOLTAGE CONTROL mode.\n Change the CTRL V switch on the MIF to disable VOLTAGE CONTROL mode\n before trying to command the 8645(s) to ready.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238479	The GAP could not command the X axis 8645(s) to ready.\n\nThe X axis MIF indicates a GRAM is not present and in ANALOG VIN mode.\n\nChange the ANALOG switch on the MIF to disable ANALOG VIN mode\n\nbefore trying to command the 8645(s) to ready.		<srv,myhost,log>
2238480	The GAP could not command the Y axis 8645(s) to ready.\n\nThe Y axis MIF indicates a GRAM is not present and in ANALOG VIN mode.\n\nChange the ANALOG switch on the MIF to disable ANALOG VIN mode\n\nbefore trying to command the 8645(s) to ready.		<srv,myhost,log>
2238481	The GAP could not command the Z axis 8645(s) to ready.\n\nThe Z axis MIF indicates a GRAM is not present and in ANALOG VIN mode.\n\nChange the ANALOG switch on the MIF to disable ANALOG VIN mode\n\nbefore trying to command the 8645(s) to ready.		<srv,myhost,log>
2238482	The GAP could not control the X axis 8645(s) because the MIF is in\n\nMANUAL READY. Move the MIF slider switch S3 to GAP CONTROL for software\n\ncontrol of the 8645(s) or put a `G' in the ipg_stage file and reset TPS to\n\navoid this and other messages.		<srv,myhost,log>
2238483	The GAP could not control the Y axis 8645(s) because the MIF is in\n\nMANUAL READY. Move the MIF slider switch S3 to GAP CONTROL for software\n\ncontrol of the 8645(s) or put a `G' in the ipg_stage file and reset TPS to\n\navoid this and other messages.		<srv,myhost,log>
2238484	The GAP could not control the Z axis 8645(s) because the MIF is in\n\nMANUAL READY. Move the MIF slider switch S3 to GAP CONTROL for software\n\ncontrol of the 8645(s) or put a `G' in the ipg_stage file and reset TPS to\n\navoid this and other messages.		<srv,myhost,log>
2238485	The GAP could not control the X axis 8645(s) because the MIF is in\n\nMANUAL Control. Move the MIF slider switch S3 to GAP CONTROL for software\n\ncontrol of the 8645(s) or put a `G' in the ipg_stage file and reset TPS to\n\navoid this and other messages.		<srv,myhost,log>
2238486	The GAP could not control the Y axis 8645(s) because the MIF is in\n\nMANUAL Control. Move the MIF slider switch S3 to GAP CONTROL for software\n\ncontrol of the 8645(s) or put a `G' in the ipg_stage file and reset TPS to\n\navoid this and other messages.		<srv,myhost,log>
2238487	The GAP could not control the Z axis 8645(s) because the MIF is in\n\nMANUAL Control. Move the MIF slider switch S3 to GAP CONTROL for software\n\ncontrol of the 8645(s) or put a `G' in the ipg_stage file and reset TPS to\n\navoid this and other messages.		<srv,myhost,log>
2238488	The MIF is reporting a long overload on the X axis HIGH 8645 Power\n\nModule. The LED on the 8645 for this fault should be lit.\n\nIf the LED is not lit, check power and cable connections.\n\nTo clear the fault, power cycle the X axis HIGH 8645 Power Module.		<srv,myhost,log>
2238489	The MIF is reporting a long overload on the Y axis HIGH 8645 Power\n\nModule. The LED on the 8645 for this fault should be lit.\n\nIf the LED is not lit, check power and cable connections.\n\nTo clear the fault, power cycle the Y axis HIGH 8645 Power Module.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238490	The MIF is reporting a long overload on the Z axis HIGH 8645 Power\n\nModule. The LED on the 8645 for this fault should be lit.\n\nIf the LED is not lit, check power and cable connections.\n\nTo clear the fault, power cycle the Z axis HIGH 8645 Power Module.		<srv,myhost,log>
2238491	The MIF is reporting a long overload on the X axis LOW 8645 Power\n\nModule. The LED on the 8645 for this fault should be lit.\n\nIf the LED is not lit, check power and cable connections.\n\nTo clear the fault, power cycle the X axis LOW 8645 Power Module.		<srv,myhost,log>
2238492	The MIF is reporting a long overload on the Y axis LOW 8645 Power\n\nModule. The LED on the 8645 for this fault should be lit.\n\nIf the LED is not lit, check power and cable connections.\n\nTo clear the fault, power cycle the Y axis LOW 8645 Power Module.		<srv,myhost,log>
2238493	The MIF is reporting a long overload on the Z axis LOW 8645 Power\n\nModule. The LED on the 8645 for this fault should be lit.\n\nIf the LED is not lit, check power and cable connections.\n\nTo clear the fault, power cycle the Z axis LOW 8645 Power Module.		<srv,myhost,log>
2238494	The gradient system on the X axis recovered successfully.\n\nThere are no faults at the present time.		<srv,myhost,log>
2238495	The gradient system on the Y axis recovered successfully.\n\nThere are no faults at the present time.		<srv,myhost,log>
2238496	The gradient system on the Z axis recovered successfully.\n\nThere are no faults at the present time.		<srv,myhost,log>
2238497	Check X Axis HIGH 8645 Power Module Power.\b\n\nThe X Axis HIGH 8645 Power Module is reporting all its faults to the MIF.\n\nThis is most likely caused by power loss to the power module.		<opr,myhost,log>
2238498	Check Y Axis HIGH 8645 Power Module Power.\b\n\nThe Y Axis HIGH 8645 Power Module is reporting all its faults to the MIF.\n\nThis is most likely caused by power loss to the power module.		<opr,myhost,log>
2238499	Check Z Axis HIGH 8645 Power Module Power.\b\n\nThe Z Axis HIGH 8645 Power Module is reporting all its faults to the MIF.\n\nThis is most likely caused by power loss to the power module.		<opr,myhost,log>
2238500	Check X Axis LOW 8645 Power Module Power.\b\n\nThe X Axis LOW 8645 Power Module is reporting all its faults to the MIF.\n\nThis is most likely caused by power loss to the power module.		<opr,myhost,log>
2238501	Check Y Axis LOW 8645 Power Module Power.\b\n\nThe Y Axis LOW 8645 Power Module is reporting all its faults to the MIF.\n\nThis is most likely caused by power loss to the power module.		<opr,myhost,log>
2238502	Check Z Axis LOW 8645 Power Module Power.\b\n\nThe Z Axis LOW 8645 Power Module is reporting all its faults to the MIF.\n\nThis is most likely caused by power loss to the power module.		<opr,myhost,log>
2238503	Check X Axis MIF Power.\b\n\nAll the X Axis MIF registers are zero.\n\nThis is most likely caused by power loss to the MIF.		<opr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238504	Check Y Axis MIF Power.\n All the Y Axis MIF registers are zero.\n This is most likely caused by power loss to the MIF.		<opr,myhost,log>
2238505	Check Z Axis MIF Power.\n All the Z Axis MIF registers are zero.\n This is most likely caused by power loss to the MIF.		<opr,myhost,log>
2238506	Possible causes: high line volt. or overtemp. Wait a few minutes\n for cooling, then turn 8645 power off for 30 seconds to clear error.\n After 30 seconds, turn 8645 power back on. Try to scan.\n If Main Control Board LED is lit again, replace PPBM.		<srv,myhost,log>
2238507	If another error message appears in log indicating a clock stop occurred\n because the GAP stopped receiving the clock from IPG, check the connection\n between the TYME Board and the GAP Board first.		<srv,myhost,log>
2238540	Internal GAP software error. Selecting the ADC channel A conflicts\n with the current selection for channel B. If this error is seen in the\n field, please write a CQA.\n Desired Channel A Signal: %d\n Current Channel B Signal: %d		<sup,myhost,log>
2238541	Internal GAP software error. Selecting the ADC channel B conflicts\n with the current selection for channel A. If this error is seen in the\n field, please write a CQA.\n Desired Channel B Signal: %d\n Current Channel A Signal: %d		<sup,myhost,log>
2238542	Internal GAP software error. Unavailable signal for selection on\n channel A. If this error is seen in the field, please write a CQA.\n Desired Channel A Signal: %d		<sup,myhost,log>
2238543	Internal GAP software error. Unavailable signal for selection on\n channel B. If this error is seen in the field, please write a CQA.\n Desired Channel B Signal: %d		<sup,myhost,log>
2238544	ASM IOOUT_H Monitoring Error.\n Output Current on HIGH 8645 Power Module has exceeded the maximum\n range allowed.\n Low: %6da High: %6da Value: %6da axis: %c Standby/Ready State: %c		<srv,myhost,log>
2238545	ASM PXTTEMP_H Monitoring Error.\n The temperature of the positive transistors wells on the HIGH \n 8645 Power Module is out of range. Check fan, blocked air flow or\n try different PSD.\n Low: %6dC High: %6dC Value: %6dC axis: %c Standby/Ready State: %c		<srv,myhost,log>
2238546	ASM NXTEMP_H Monitoring Error.\n The temperature of the negative transistors wells on the HIGH \n 8645 Power Module is out of range. Check fan, blocked air flow or\n try different PSD.\n Low: %6dC High: %6dC Value: %6dC axis: %c Standby/Ready State: %c		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238547	ASM XFTEMP_H Monitoring Error.\n Transformer temperature on the HIGH 8645 Power Module is out of range\n Check for operational fan, blocked air flow or try different PSD.\n Low: %6dC High: %6dC Value: %6dC axis: %c Standby/Ready State: %c		<srv,myhost,log>
2238548	ASM VOUT_H Monitoring Error.\n The output voltage has exceeded the allowed range on the HIGH \n 8645 Power Module.\n Low: %6dv High: %6dv Value: %6dv axis: %c Standby/Ready State: %c		<srv,myhost,log>
2238549	ASM VCC_H Error.\n The ASM is reporting that the PPBM voltage has exceeded the allowed range\n on the HIGH 8645 Power Module. Possible causes: PPBM, main board,\n output shelf, or ASM.\n Low: %6dv High: %6dv Value: %6dv axis: %c Standby/Ready State: %c		<srv,myhost,log>
2238550	ASM ITOT Monitoring Error.\n Output Current has exceeded the maximum range allowed. \n Low: %6da High: %6da Value: %6da axis: %c Standby/Ready State: %c		<srv,myhost,log>
2238551	ASM VMIF Monitoring Error.\n The Commanded voltage to the power module(s) has exceeded the\n maximum allowed range.\n Low: %6dv High: %6dv Value: %6dv axis: %c Standby/Ready State: %c		<srv,myhost,log>
2238552	ASM AGND is out of range.\n Re-seat the ASM, if problem persists swap ASM axis. If problem\n moves to new axis, replace ASM, else replace MIF chassis on faulted\n axis.\n Low: %6dmv High: %6dmv Value: %6dmv axis: %c		<srv,myhost,log>
2238553	ASM V_1_235 is out of range.\n Re-seat the ASM, if problem persists swap ASM axis. If problem moves\n to new axis, replace ASM, else replace MIF chassis on faulted axis.\n Low: %6dmv High: %6dmv Value: %6dmv axis: %c		<srv,myhost,log>
2238554	ASM DIG_5V_REF is out of range.\n Re-seat the ASM, if problem persists swap ASM axis. If problem moves\n to new axis, replace ASM, else replace MIF chassis on faulted axis.\n Low: %6dmv High: %6dmv Value: %6dmv axis: %c		<srv,myhost,log>
2238555	ASM REF_15V is out of range.\n Re-seat the ASM, if problem persists swap ASM axis. If problem moves\n to new axis, replace ASM, else replace MIF chassis on faulted axis.\n Low: %6dmv High: %6dmv Value: %6dmv axis: %c		<srv,myhost,log>
2238556	ASM REF_5V is out of range.\n Re-seat the ASM, if problem persists swap ASM axis. If problem moves\n to new axis, replace ASM, else replace MIF chassis on faulted axis.\n Low: %6dmv High: %6dmv Value: %6dmv axis: %c		<srv,myhost,log>
2238557	ASM IOUT_H Monitoring Error.\n Output Current on LOW 8645 Power Module has exceeded the maximum\n range allowed. \n Low: %6da High: %6da Value: %6da axis: %c Standby/Ready State: %c		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238558	<p>ASM PXTEMP_L Monitoring Error.\n</p> <p>The temperature of the positive transistors wells on the LOW \n</p> <p>8645 Power Module is out of range. Check fan, blocked air flow or\n</p> <p>try different PSD.\n</p> <p>Low: %6dC High: %6dC Value: %6dC axis: %c Standby/Ready State: %c</p>		<srv,myhost,log>
2238559	<p>ASM NXTEMP_L Monitoring Error.\n</p> <p>The temperature of the negative transistors wells on the LOW \n</p> <p>8645 Power Module is out of range. Check fan, blocked air flow or\n</p> <p>try different PSD.\n</p> <p>Low: %6dC High: %6dC Value: %6dC axis: %c Standby/Ready State: %c</p>		<srv,myhost,log>
2238560	<p>ASM XFTEMP_L Monitoring Error.\n</p> <p>Transformer temperature on the LOW 8645 Power Module is out of range.\n</p> <p>Check for operational fan, blocked air flow or try a different PSD.\n</p> <p>Low: %6dC High: %6dC Value: %6dC axis: %c Standby/Ready State: %c</p>		<srv,myhost,log>
2238561	<p>ASM VOUT_L Monitoring Error.\n</p> <p>The output voltage has exceeded the allowed range on the LOW \n</p> <p>8645 Power Module.\n</p> <p>Low: %6dv High: %6dv Value: %6dv axis: %c Standby/Ready State: %c</p>		<srv,myhost,log>
2238562	<p>ASM VCC_L Error.\n</p> <p>The ASM is reporting that the PPBM voltage has exceeded the allowed range\n</p> <p>on the LOW 8645 Power Module. Possible causes: PPBM, main board,\n</p> <p>output shelf, or ASM.\n</p> <p>Low: %6dv High: %6dv Value: %6dv axis: %c Standby/Ready State: %c</p>		<srv,myhost,log>
2238600	<p>Internal GAP software error. Invalid selection for setting or clearing\n</p> <p>a GRAM mask bit.\n</p> <p>GRAM Mask Selected: %d\n</p> <p>If the GAP software is running okay ( the GAP Board LED is blinking with\n</p> <p>a period of 5 seconds ), then this is a software bug; write a CQA.</p>		<sup,myhost,log>
2238601	<p>X Axis GRAM - No Gradient Clock.\b</p> <p>A gradient clock stop occurred. The GRAM X axis stopped receiving\n</p> <p>the gradient clock. Check MIF to GRAM communication cable and GAP to\n</p> <p>MIF HSSD cable.\n</p> <p>%b</p>		<pri7,srv,myhost,log>
2238602	<p>Y Axis GRAM - No Gradient Clock.\b</p> <p>A gradient clock stop occurred. The GRAM Y axis stopped receiving\n</p> <p>the gradient clock. Check MIF to GRAM communication cable and GAP to\n</p> <p>MIF HSSD cable.\n</p> <p>%b</p>		<pri7,srv,myhost,log>
2238603	<p>Z Axis GRAM - No Gradient Clock.\b</p> <p>A gradient clock stop occurred. The GRAM Z axis stopped receiving\n</p> <p>the gradient clock. Check MIF to GRAM communication cable and GAP to\n</p> <p>MIF HSSD cable.\n</p> <p>%b</p>		<pri7,srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238604	X Axis GRAM - Gradient data framing error.\n\ The GRAM X axis reported a GRAM data framing error.\n\ Check MIF to GRAM communication cable and GAP to MIF HSSD cable.		<opr,myhost,log>
2238605	Y Axis GRAM - Gradient data framing error.\n\ The GRAM Y axis reported a GRAM data framing error.\n\ Check MIF to GRAM communication cable and GAP to MIF HSSD cable.		<opr,myhost,log>
2238606	Z Axis GRAM - Gradient data framing error.\n\ The GRAM Z axis reported a GRAM data framing error.\n\ Check MIF to GRAM communication cable and GAP to MIF HSSD cable.		<opr,myhost,log>
2238607	X Axis GRAM Overload Occurred.\b\ Image may contain artifacts.\b\ The X axis GRAM has reported an overload from analog saturation.\n\ The PSD may have violated ampere transitions per second rating.		<pri7,opr,myhost,log>
2238608	Y Axis GRAM Overload Occurred.\b\ Image may contain artifacts.\b\ The Y axis GRAM has reported an overload from analog saturation.\n\ The PSD may have violated ampere transitions per second rating.		<pri7,opr,myhost,log>
2238609	Z Axis GRAM Overload Occurred.\b\ Image may contain artifacts.\b\ The Z axis GRAM has reported an overload from analog saturation.\n\ The PSD may have violated ampere transitions per second rating.		<pri7,opr,myhost,log>
2238610	X Axis GRAM Overload Occurred.\b\ Image may contain artifacts.\b\ The X axis GRAM has reported an overload from overflow.\n\ The PSD may have violated slew rate limits or the X GRAM Control\n\ Board has been reset by noise.		<pri7,opr,myhost,log>
2238611	Y Axis GRAM Overload Occurred.\b\ Image may contain artifacts.\b\ The Y axis GRAM has reported an overload from overflow.\n\ The PSD may have violated slew rate limits or the Y GRAM Control\n\ Board has been reset by noise.		<pri7,opr,myhost,log>
2238612	Z Axis GRAM Overload Occurred.\b\ Image may contain artifacts.\b\ The Z axis GRAM has reported an overload from overflow.\n\ The PSD may have violated slew rate limits or the Z GRAM Control\n\ Board has been reset by noise.		<pri7,opr,myhost,log>
2238613	X Axis GRAM Overload Occurred.\b\ Image may contain artifacts.\b\ The X axis GRAM has reported an overload from underflow.\n\ The PSD may have violated slew rate limits or the X GRAM Control\n\ Board has been reset by noise.		<pri7,opr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238614	Y Axis GRAM Overload Occurred.\b\ Image may contain artifacts.\b\ The Y axis GRAM has reported an overload from underflow.\n\ The PSD may have violated slew rate limits or the Y GRAM Control\n\ Board has been reset by noise.		<pri7,opr,myhost,log>
2238615	Z Axis GRAM Overload Occurred.\b\ Image may contain artifacts.\b\ The Z axis GRAM has reported an overload from underflow.\n\ The PSD may have violated slew rate limits or the Z GRAM Control\n\ Board has been reset by noise.		<pri7,opr,myhost,log>
2238616	The X axis GRAM or 8645 Power Modules failed to go to ready when\n\ commanded. Check the LED status on the 8645s and GRAM for a fault, and\n\ power and cables for the MIF, GRAM, 8645s, and GAP. Verify that the switch on\n\ the X axis GRAM is set to ENABLE.		<srv,myhost,log>
2238617	The Y axis GRAM or 8645 Power Modules failed to go to ready when\n\ commanded. Check the LED status on the 8645s and GRAM for a fault, and\n\ power and cables for the MIF, GRAM, 8645s, and GAP. Verify that the switch on\n\ the Y axis GRAM is set to ENABLE.		<srv,myhost,log>
2238618	The Z axis GRAM or 8645 Power Modules failed to go to ready when\n\ commanded. Check the LED status on the 8645s and GRAM for a fault, and\n\ power and cables for the MIF, GRAM, 8645s, and GAP. Verify that the switch on\n\ the Z axis GRAM is set to ENABLE.		<srv,myhost,log>
2238619	The X axis GRAM or 8645 Power Module failed to go to ready when\n\ commanded. Check the LED status on the 8645 and GRAM for a fault, and\n\ power and cables for the MIF, GRAM, 8645, and GAP. Verify that the switch on\n\ the X axis GRAM is set to ENABLE.		<srv,myhost,log>
2238620	The Y axis GRAM or 8645 Power Module failed to go to ready when\n\ commanded. Check the LED status on the 8645 and GRAM for a fault, and\n\ power and cables for the MIF, GRAM, 8645, and GAP. Verify that the switch on\n\ the Y axis GRAM is set to ENABLE.		<srv,myhost,log>
2238621	The Z axis GRAM or 8645 Power Module failed to go to ready when\n\ commanded. Check the LED status on the 8645 and GRAM for a fault, and\n\ power and cables for the MIF, GRAM, 8645, and GAP. Verify that the switch on\n\ the Z axis GRAM is set to ENABLE.		<srv,myhost,log>
2238622	The X axis GRAM or 8645 Power Modules failed to go to standby when\n\ commanded. Check the cables and power for the X axis MIF, GRAM, and 8645s.\n\ The switch on the front of the X axis MIF should be in GAP CTRL. The GRAM\n\ MAN switch must be disabled.		<srv,myhost,log>
2238623	The Y axis GRAM or 8645 Power Modules failed to go to standby when\n\ commanded. Check the cables and power for the Y axis MIF, GRAM, and 8645s.\n\ The switch on the front of the Y axis MIF should be in GAP CTRL. The GRAM\n\ MAN switch must be disabled.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238624	The Z axis GRAM or 8645 Power Modules failed to go to standby when\n\commanded. Check the cables and power for the Z axis MIF, GRAM, and 8645s.\n\The switch on the front of the Z axis MIF should be in GAP CTRL. The GRAM\n\MAN switch must be disabled.		<srv,myhost,log>
2238625	The X axis GRAM or 8645 Power Module failed to go to standby when\n\commanded. Check the cables and power for the X axis MIF, GRAM, and 8645.\n\The switch on the front of the X axis MIF should be in GAP CTRL. The GRAM\n\MAN switch must be disabled.		<srv,myhost,log>
2238626	The Y axis GRAM or 8645 Power Module failed to go to standby when\n\commanded. Check the cables and power for the Y axis MIF, GRAM, and 8645.\n\The switch on the front of the Y axis MIF should be in GAP CTRL. The GRAM\n\MAN switch must be disabled.		<srv,myhost,log>
2238627	The Z axis GRAM or 8645 Power Module failed to go to standby when\n\commanded. Check the cables and power for the Z axis MIF, GRAM, and 8645.\n\The switch on the front of the Z axis MIF should be in GAP CTRL. The GRAM\n\MAN switch must be disabled.		<srv,myhost,log>
2238628	The X axis GRAM is reporting an amplifier over current fault.\n\Try scan again once.\n\If error occurs again, try a standard spin echo with a larger FOV.\n\If error persists, possible gradient driver fault.		<srv,myhost,log>
2238629	The Y axis GRAM is reporting an amplifier over current fault.\n\Try scan again once.\n\If error occurs again, try a standard spin echo with a larger FOV.\n\If error persists, possible gradient driver fault.		<srv,myhost,log>
2238630	The Z axis GRAM is reporting an amplifier over current fault.\n\Try scan again once.\n\If error occurs again, try a standard spin echo with a larger FOV.\n\If error persists, possible gradient driver fault.		<srv,myhost,log>
2238631	The X axis GRAM is reporting a coil over current fault.\n\Try scan again once.\n\If error occurs again, try a standard spin echo with a larger FOV.\n\If error persists, possible gradient driver fault.		<srv,myhost,log>
2238632	The Y axis GRAM is reporting a coil over current fault.\n\Try scan again once.\n\If error occurs again, try a standard spin echo with a larger FOV.\n\If error persists, possible gradient driver fault.		<srv,myhost,log>
2238633	The Z axis GRAM is reporting a coil over current fault.\n\Try scan again once.\n\If error occurs again, try a standard spin echo with a larger FOV.\n\If error persists, possible gradient driver fault.		<srv,myhost,log>
2238634	The X axis GRAM is reporting a shoot thru fault.\n\If under voltage fault also occurred for this axis, possible fatal GRAM fault.		<srv,myhost,log>
2238635	The Y axis GRAM is reporting a shoot thru fault.\n\If under voltage fault also occurred for this axis, possible fatal GRAM fault.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238636	The Z axis GRAM is reporting a shoot thru fault.\n\nIf under voltage fault also occurred for this axis, possible fatal GRAM fault.		<srv,myhost,log>
2238637	The X axis GRAM is reporting a DC current fault.\n\nPlease reset TPS. If problem persists, the PSD may be asking for more\n\nthan 50 amperes for more than 1 second.		<srv,myhost,log>
2238638	The Y axis GRAM is reporting a DC current fault.\n\nPlease reset TPS. If problem persists, the PSD may be asking for more\n\nthan 50 amperes for more than 1 second.		<srv,myhost,log>
2238639	The Z axis GRAM is reporting a DC current fault.\n\nPlease reset TPS. If problem persists, the PSD may be asking for more\n\nthan 50 amperes for more than 1 second.		<srv,myhost,log>
2238640	The X axis GRAM is reporting an over voltage fault.\n\nTry another PSD. Most likely cause is a slew rate violation.\n\nIf problem persists, possible gradient driver fault.		<srv,myhost,log>
2238641	The Y axis GRAM is reporting an over voltage fault.\n\nTry another PSD. Most likely cause is a slew rate violation.\n\nIf problem persists, possible gradient driver fault.		<srv,myhost,log>
2238642	The Z axis GRAM is reporting an over voltage fault.\n\nTry another PSD. Most likely cause is a slew rate violation.\n\nIf problem persists, possible gradient driver fault.		<srv,myhost,log>
2238643	The X axis GRAM is reporting an under voltage fault.\n\nMost likely cause is PSD prescription with demanding parameters\n\nor GRAM Hardware Fault.		<srv,myhost,log>
2238644	The Y axis GRAM is reporting an under voltage fault.\n\nMost likely cause is PSD prescription with demanding parameters\n\nor GRAM Hardware Fault.		<srv,myhost,log>
2238645	The Z axis GRAM is reporting an under voltage fault.\n\nMost likely cause is PSD prescription with demanding parameters\n\nor GRAM Hardware Fault.		<srv,myhost,log>
2238646	The X axis GRAM is reporting a wiring fault.\n\nA cable internal or external to the GRAM is loose or disconnected.\n\nCheck connections to the X GRAM Control Board.		<srv,myhost,log>
2238647	The Y axis GRAM is reporting a wiring fault.\n\nA cable internal or external to the GRAM is loose or disconnected.\n\nCheck connections to the Y GRAM Control Board.		<srv,myhost,log>
2238648	The Z axis GRAM is reporting a wiring fault.\n\nA cable internal or external to the GRAM is loose or disconnected.\n\nCheck connections to the Z GRAM Control Board.		<srv,myhost,log>
2238649	The X axis GRAM is reporting an over temperature fault.\n\nPossible causes: poor ventilation or PSD is exceeding the\n\n100 ampere RMS rating of the GRAM.		<srv,myhost,log>
2238650	The Y axis GRAM is reporting an over temperature fault.\n\nPossible causes: poor ventilation or PSD is exceeding the\n\n100 ampere RMS rating of the GRAM.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238651	The Z axis GRAM is reporting an over temperature fault.\n\nPossible causes: poor ventilation or PSD is exceeding the\n\n100 ampere RMS rating of the GRAM.		<srv,myhost,log>
2238652	The X axis GRAM is reporting average over current fault.\n\nPossible causes: PSD is requesting an average current of 80\n\namps for a few seconds, the percent PWM is above 25%%, the amp\n\ntransitions/second is above 100,000 or a GRAM hardware fault exists.		<srv,myhost,log>
2238653	The Y axis GRAM is reporting average over current fault.\n\nPossible causes: PSD is requesting an average current of 80\n\namps for a few seconds, the percent PWM is above 25%%, the amp\n\ntransitions/second is above 100,000 or a GRAM hardware fault exists.		<srv,myhost,log>
2238654	The Z axis GRAM is reporting average over current fault.\n\nPossible causes: PSD is requesting an average current of 80\n\namps for a few seconds, the percent PWM is above 25%%, the amp\n\ntransitions/second is above 100,000 or a GRAM hardware fault exists.		<srv,myhost,log>
2238655	The GAP could not command the X axis 8645(s) to ready.\n\nThe X axis MIF indicates a GRAM is present and in CURRENT CONTROL mode.\n\nChange the CTRL V switch on the MIF to enable VOLTAGE CONTROL mode\n\nbefore trying to command the 8645(s) to ready.		<srv,myhost,log>
2238656	The GAP could not command the Y axis 8645(s) to ready.\n\nThe Y axis MIF indicates a GRAM is present and in CURRENT CONTROL mode.\n\nChange the CTRL V switch on the MIF to enable VOLTAGE CONTROL mode\n\nbefore trying to command the 8645(s) to ready.		<srv,myhost,log>
2238657	The GAP could not command the Z axis 8645(s) to ready.\n\nThe Z axis MIF indicates a GRAM is present and in CURRENT CONTROL mode.\n\nChange the CTRL V switch on the MIF to enable VOLTAGE CONTROL mode\n\nbefore trying to command the 8645(s) to ready.		<srv,myhost,log>
2238658	The GAP could not command the X axis 8645(s) to ready.\n\nThe X axis MIF indicates a GRAM is present and not in ANALOG VIN mode.\n\nChange the ANALOG switch on the MIF to enable ANALOG VIN mode\n\nbefore trying to command the 8645(s) to ready.		<srv,myhost,log>
2238659	The GAP could not command the Y axis 8645(s) to ready.\n\nThe Y axis MIF indicates a GRAM is present and not in ANALOG VIN mode.\n\nChange the ANALOG switch on the MIF to enable ANALOG VIN mode\n\nbefore trying to command the 8645(s) to ready.		<srv,myhost,log>
2238660	The GAP could not command the Z axis 8645(s) to ready.\n\nThe Z axis MIF indicates a GRAM is present and not in ANALOG VIN mode.\n\nChange the ANALOG switch on the MIF to enable ANALOG VIN mode\n\nbefore trying to command the 8645(s) to ready.		<srv,myhost,log>
2238661	The X axis GRAM is reporting the current is distorted over a period of time.\n\nThe current is not what the DAC is requesting.\n\nPossible gradient driver failure.\n\nAnother GRAM fault reported in the log could be the cause of this fault.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238662	The Y axis GRAM is reporting the current is distorted over a period of time.\n The current is not what the DAC is requesting.\n Possible gradient driver failure.\n Another GRAM fault reported in the log could be the cause of this fault.		<srv,myhost,log>
2238663	The Z axis GRAM is reporting the current is distorted over a period of time.\n The current is not what the DAC is requesting.\n Possible gradient driver failure.\n Another GRAM fault reported in the log could be the cause of this fault.		<srv,myhost,log>
2238664	The X axis GRAM is reporting a GRAM power supply failure.		<srv,myhost,log>
2238665	The Y axis GRAM is reporting a GRAM power supply failure.		<srv,myhost,log>
2238666	The Z axis GRAM is reporting a GRAM power supply failure.		<srv,myhost,log>
2238667	The X axis GRAM is reporting system ground loss.\n Check power cable between 8645 Gradient Cabinet and GRAM.		<srv,myhost,log>
2238668	The Y axis GRAM is reporting system ground loss.\n Check power cable between 8645 Gradient Cabinet and GRAM.		<srv,myhost,log>
2238669	The Z axis GRAM is reporting system ground loss.\n Check power cable between 8645 Gradient Cabinet and GRAM.		<srv,myhost,log>
2238670	The GAP couldn't control X axis 8645(s) and GRAM because the X axis GRAM\n is in MANUAL READY. For GAP control, move GRAM MAN dip switch on GRAM\n down to disable manual control. If manual control is desired put a `G' the\n ipg_stage file and reset TPS.		<srv,myhost,log>
2238671	The GAP couldn't control Y axis 8645(s) and GRAM because the Y axis GRAM\n is in MANUAL READY. For GAP control, move GRAM MAN dip switch on GRAM\n down to disable manual control. If manual control is desired put a `G' the\n ipg_stage file and reset TPS.		<srv,myhost,log>
2238672	The GAP couldn't control Z axis 8645(s) and GRAM because the Z axis GRAM\n is in MANUAL READY. For GAP control, move GRAM MAN dip switch on GRAM\n down to disable manual control. If manual control is desired put a `G' the\n ipg_stage file and reset TPS.		<srv,myhost,log>
2238673	The GAP could not control X axis 8645(s) and GRAM because X axis GRAM\n is in MANUAL control. For GAP control, move GRAM ENABLE switch up and\n GRAM HVE, FW, and MAN switches down. If manual control is desired, put\n a `G' the ipg_stage file and reset TPS.		<srv,myhost,log>
2238674	The GAP could not control Y axis 8645(s) and GRAM because Y axis GRAM\n is in MANUAL control. For GAP control, move GRAM ENABLE switch up and\n GRAM HVE, FW, and MAN switches down. If manual control is desired, put\n a `G' the ipg_stage file and reset TPS.		<srv,myhost,log>
2238675	The GAP could not control Z axis 8645(s) and GRAM because Z axis GRAM\n is in MANUAL control. For GAP control, move GRAM ENABLE switch up and\n GRAM HVE, FW, and MAN switches down. If manual control is desired, put\n a `G' the ipg_stage file and reset TPS.		<srv,myhost,log>
2238676	The X Axis GRAM has not reached its operating level.\n Check the data cable between the GAP and GRAM Control Board.		<srv,myhost,log>
2238677	The Y Axis GRAM has not reached its operating level.\n Check the data cable between the GAP and GRAM Control Board.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238678	The Z Axis GRAM has not reached its operating level.\n Check the data cable between the GAP and GRAM Control Board.		<srv,myhost,log>
2238679	Check X Axis GRAM Power.\b\ All the X Axis GRAM registers are floating high.\n\ This is most likely caused by power loss to the GRAM.		<opr,myhost,log>
2238680	Check Y Axis GRAM Power.\b\ All the Y Axis GRAM registers are floating high.\n\ This is most likely caused by power loss to the GRAM.		<opr,myhost,log>
2238681	Check Z Axis GRAM Power.\b\ All the Z Axis GRAM registers are floating high.\n\ This is most likely caused by power loss to the GRAM.		<opr,myhost,log>
2238682	X Axis GRAM is in Freewheel Mode.\b\ The DIP switch labeled FW on the X Axis GRAM Control Board has been set.		<pri7,opr,myhost,log>
2238683	Y Axis GRAM is in Freewheel Mode.\b\ The DIP switch labeled FW on the Y Axis GRAM Control Board has been set.		<pri7,opr,myhost,log>
2238684	Z Axis GRAM is in Freewheel Mode.\b\ The DIP switch labeled FW on the Z Axis GRAM Control Board has been set.		<pri7,opr,myhost,log>
2238685	GAP was unsuccessful accessing X Axis GRAM Digital Tuning Board.\b\ Check connections to X Axis GRAM Digital Tuning Board.\n\ If there is no GRAM, or all GRAMs have Analog Tuning Boards, change\ digiTuningBoard to `no' in the MRconfig.cfg file and reset TPS.		<srv,myhost,log>
2238686	GAP was unsuccessful accessing Y Axis GRAM Digital Tuning Board.\b\ Check connections to Y Axis GRAM Digital Tuning Board.\n\ If there is no GRAM, or all GRAMs have Analog Tuning Boards, change\ digiTuningBoard to `no' in the MRconfig.cfg file and reset TPS.		<srv,myhost,log>
2238687	GAP was unsuccessful accessing Z Axis GRAM Digital Tuning Board.\b\ Check connections to Z Axis GRAM Digital Tuning Board.\n\ If there is no GRAM, or all GRAMs have Analog Tuning Boards, change\ digiTuningBoard to `no' in the MRconfig.cfg file and reset TPS.		<srv,myhost,log>
2238688	The GAP was unsuccessful communicating with the X Axis GRAM Digital Tuning\ Board. Possible causes are failed Digital Tuning Board, GRAM Control Board\ or Connectors. After checking connections, please reset TPS and try to scan.		<srv,myhost,log>
2238689	The GAP was unsuccessful communicating with the Y Axis GRAM Digital Tuning\ Board. Possible causes are failed Digital Tuning Board, GRAM Control Board\ or Connectors. After checking connections, please reset TPS and try to scan.		<srv,myhost,log>
2238690	The GAP was unsuccessful communicating with the Z Axis GRAM Digital Tuning\ Board. Possible causes are failed Digital Tuning Board, GRAM Control Board\ or Connectors. After checking connections, please reset TPS and try to scan.		<srv,myhost,log>
2238691	X Axis GRAM is no longer in Freewheel Mode.\b\ The DIP switch labeled FW on the X Axis GRAM Control Board has been disabled.		<opr,myhost,log>
2238692	Y Axis GRAM is no longer in Freewheel Mode.\b\ The DIP switch labeled FW on the Y Axis GRAM Control Board has been disabled.		<opr,myhost,log>
2238693	Z Axis GRAM is no longer in Freewheel Mode.\b\ The DIP switch labeled FW on the Z Axis GRAM Control Board has been disabled.		<opr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238740	Internal GAP software error. Selecting the GASM ADC channel A conflicts\n\nwith the current selection for channel B. If this error is seen in the\n\nfield, please write a CQA.\n\nDesired Channel A Signal: %d\n\nCurrent Channel B Signal: %d		<sup,myhost,log>
2238741	Internal GAP software error. Selecting the GASM ADC channel B conflicts\n\nwith the current selection for channel A. If this error is seen in the\n\nfield, please write a CQA.\n\nDesired Channel B Signal: %d\n\nCurrent Channel A Signal: %d		<sup,myhost,log>
2238742	Internal GAP software error. Unavailable signal for selection on\n\nGASM channel A. If this error is seen in the field, please write a CQA.\n\nDesired Channel A Signal: %d		<sup,myhost,log>
2238743	Internal GAP software error. Unavailable signal for selection on\n\nGASM channel B. If this error is seen in the field, please write a CQA.\n\nDesired Channel B Signal: %d		<sup,myhost,log>
2238744	GASM V_BUS +HI Monitoring Error.\n\nThe GRAM VBUS +HI voltage is not within the allowed range.\n\nLow: %6dv High: %6dv Value: %6dv axis: %c Standby/Ready State: %c		<srv,myhost,log>
2238745	GASM V_BUS +LO Monitoring Error.\n\nThe GRAM VBUS +LO voltage is not within the allowed range.\n\nLow: %6dv High: %6dv Value: %6dv axis: %c Standby/Ready State: %c		<srv,myhost,log>
2238746	GASM V_BUS -HI Monitoring Error.\n\nThe GRAM VBUS -HI voltage is not within the allowed range.\n\nLow: %6dv High: %6dv Value: %6dv axis: %c Standby/Ready State: %c		<srv,myhost,log>
2238747	GASM V_BUS -LO Monitoring Error.\n\nThe GRAM VBUS -LO voltage is not within the allowed range.\n\nLow: %6dv High: %6dv Value: %6dv axis: %c Standby/Ready State: %c		<srv,myhost,log>
2238748	GASM V_FILT Monitoring Error.\n\nThe GASM has reported that the V_FILT voltage is out of range.\n\nPossible causes are: GASM, Tuning Board, Tuning Board Adjustment\n\nor GRAM.\n\nLow: %6dv High: %6dv Value: %6dv axis: %c Standby/Ready State: %c		<srv,myhost,log>
2238749	GASM V_REG_F Monitoring Error.\n\nThe GASM has reported that the V_REG voltage is out of range.\n\nPossible causes are GASM or GRAM.\n\nLow: %6dmv High: %6dmv Value: %6dmv axis: %c Standby/Ready State: %c		<srv,myhost,log>
2238750	GASM I_COIL Monitoring Error.\n\nThe GASM has reported that the I_COIL current is out of range.\n\nPossible causes are: GASM, Tuning Board, Tuning Board adjustment\n\nor GRAM.\n\nLow: %6da High: %6da Value: %6da axis: %c Standby/Ready State: %c		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238751	GASM AGND is out of range.\n\nRe-seat the cables on the GASM, if problem persists swap GASM axis.\n\nIf problem moves to new axis, replace GASM, else replace GRAM.\n\nLow: %6dmv High: %6dv Value: %6dmv axis: %c		<srv,myhost,log>
2238752	GASM 1.235 volt reference is out of range.\n\nRe-seat the cables on the GASM, if problem persists swap GRAM axis.\n\nIf problem moves to new axis, replace GASM, else replace GRAM.\n\nLow: %6dmv High: %6dmv Value: %6dmv axis: %c		<srv,myhost,log>
2238753	GASM VCC_REF is out of range.\n\nRe-seat the cables on the GASM, if problem persists swap GASM axis.\n\nIf problem moves to new axis, replace GASM, else replace GRAM.\n\nLow: %6dmv High: %6dmv Value: %6dmv axis: %c		<srv,myhost,log>
2238754	GASM REF_15V is out of range.\n\nRe-seat the cables on the GASM, if problem persists swap GASM axis.\n\nIf problem moves to new axis, replace GASM, else replace GRAM.\n\nLow: %6dmv High: %6dmv Value: %6dmv axis: %c		<srv,myhost,log>
2238755	GASM 5V_REF is out of range.\n\nRe-seat the cables on the GASM, if problem persists swap GASM axis.\n\nIf problem moves to new axis, replace GASM, else replace GRAM.\n\nLow: %6dmv High: %6dmv Value: %6dmv axis: %c		<srv,myhost,log>
2238756	not used, if seen in the field, please write a CQA.		<sup,myhost,log>
2238800	GRADIENT CONFIGURATION ERROR.\b\n\nThe MRconfig.cfg file indicates a X axis GRAM is present, but the DIP switch\n\non the front of the MIF is not set. The GAP software is not controlling the\n\nGRAM, but analog Vin and voltage control are set in GRAM mode.		<opr,myhost,log>
2238801	GRADIENT CONFIGURATION ERROR.\b\n\nThe MRconfig.cfg file indicates a X axis GRAM is not present, but the DIP switch\n\non the front of the MIF is set. If there is a X axis GRAM, change the\n\nMRconfig.cfg file. If there is not a GRAM, change the DIP switch.		<opr,myhost,log>
2238802	GRADIENT CONFIGURATION ERROR.\b\n\nThe MRconfig.cfg file indicates a Y axis GRAM is present, but the DIP switch\n\non the front of the MIF is not set. The GAP software is not controlling the\n\nGRAM, but analog Vin and voltage control are set in GRAM mode.		<opr,myhost,log>
2238803	GRADIENT CONFIGURATION ERROR.\b\n\nThe MRconfig.cfg file indicates a Y axis GRAM is not present, but the DIP switch\n\non the front of the MIF is set. If there is a Y axis GRAM, change the\n\nMRconfig.cfg file. If there is not a GRAM, change the DIP switch.		<opr,myhost,log>
2238804	GRADIENT CONFIGURATION ERROR.\b\n\nThe MRconfig.cfg file indicates a Z axis GRAM is present, but the DIP switch\n\non the front of the MIF is not set. The GAP software is not controlling the\n\nGRAM, but analog Vin and voltage control are set in GRAM mode.		<opr,myhost,log>
2238805	GRADIENT CONFIGURATION ERROR.\b\n\nThe MRconfig.cfg file indicates a Z axis GRAM is not present, but the DIP switch\n\non the front of the MIF is set. If there is a Z axis GRAM, change the\n\nMRconfig.cfg file. If there is not a GRAM, change the DIP switch.		<opr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238806	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates a X axis ASM is present, but the MIF\n\ hardware register reads no ASM is present. If an ASM is present, check the\n\ connections between the X axis MIF and ASM.		<opr,myhost,log>
2238807	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates a X axis ASM is not present, but the MIF\n\ hardware register reads a ASM is present. Change the MRconfig.cfg file to\n\ indicate the presence of a X axis ASM.		<opr,myhost,log>
2238808	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates a Y axis ASM is present, but the MIF\n\ hardware register reads no ASM is present. If an ASM is present, check the\n\ connections between the Y axis MIF and ASM.		<opr,myhost,log>
2238809	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates a Y axis ASM is not present, but the MIF\n\ hardware register reads a ASM is present. Change the MRconfig.cfg file to\n\ indicate the presence of a Y axis ASM.		<opr,myhost,log>
2238810	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates a Z axis ASM is present, but the MIF\n\ hardware register reads no ASM is present. If an ASM is present, check the\n\ connections between the Z axis MIF and ASM.		<opr,myhost,log>
2238811	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates a Z axis ASM is not present, but the MIF\n\ hardware register reads a ASM is present. Change the MRconfig.cfg file to\n\ indicate the presence of a Z axis ASM.		<opr,myhost,log>
2238812	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates a X axis GASM is present, but the GRAM\n\ hardware register reads no GASM is present. If an GASM is present, check\n\ the connections between the X axis GRAM and GASM.		<opr,myhost,log>
2238813	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates a X axis GASM is not present, but the GRAM\n\ hardware register reads a GASM is present. Change the MRconfig.cfg file to\n\ indicate the presence of a X axis GASM.		<opr,myhost,log>
2238814	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates a Y axis GASM is present, but the GRAM\n\ hardware register reads no GASM is present. If an GASM is present, check\n\ the connections between the Y axis GRAM and GASM.		<opr,myhost,log>
2238815	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates a Y axis GASM is not present, but the GRAM\n\ hardware register reads a GASM is present. Change the MRconfig.cfg file to\n\ indicate the presence of a Y axis GASM.		<opr,myhost,log>
2238816	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates a Z axis GASM is present, but the GRAM\n\ hardware register reads no GASM is present. If an GASM is present, check\n\ the connections between the Z axis GRAM and GASM.		<opr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238817	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates a Z axis GASM is not present, but the GRAM\ hardware register reads a GASM is present. Change the MRconfig.cfg file to\ indicate the presence of a Z axis GASM.		<opr,myhost,log>
2238818	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates the X axis is in series mode, but the DIP\ switch on the front of the MIF is not set. Change the DIP switch on the\ front of the X axis MIF for series mode.		<opr,myhost,log>
2238819	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates the X axis is not in series mode, and\ conflicts with the hardware configuration. Change the MRconfig.cfg file\ to indicate X axis series mode.		<opr,myhost,log>
2238820	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates the Y axis is in series mode, but the DIP\ switch on the front of the MIF is not set. Change the DIP switch on the\ front of the Y axis MIF for series mode.		<opr,myhost,log>
2238821	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates the Y axis is not in series mode, and\ conflicts with the hardware configuration. Change the MRconfig.cfg file\ to indicate Y axis series mode.		<opr,myhost,log>
2238822	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates the Z axis is in series mode, but the DIP\ switch on the front of the MIF is not set. Change the DIP switch on the\ front of the Z axis MIF for series mode.		<opr,myhost,log>
2238823	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates the Z axis is not in series mode, and\ conflicts with the hardware configuration. Change the MRconfig.cfg file\ to indicate Z axis series mode.		<opr,myhost,log>
2238824	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates the X axis has two power modules, but the\ DIP switch on the front of the MIF is set for one power module. Change the\ MRconfig.cfg or DIP switch for the correct number of power modules.		<opr,myhost,log>
2238825	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates the X axis has one power module, but the\ DIP switch on the front of the MIF is set for two power modules. Change\ the MRconfig.cfg or DIP switch for the correct number of power modules.		<opr,myhost,log>
2238826	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates the Y axis has two power modules, but the\ DIP switch on the front of the MIF is set for one power module. Change the\ MRconfig.cfg or DIP switch for the correct number of power modules.		<opr,myhost,log>
2238827	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates the Y axis has one power module, but the\ DIP switch on the front of the MIF is set for two power modules. Change\ the MRconfig.cfg or DIP switch for the correct number of power modules.		<opr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238828	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates the Z axis has two power modules, but the\ DIP switch on the front of the MIF is set for one power module. Change the\ MRconfig.cfg or DIP switch for the correct number of power modules.		<opr,myhost,log>
2238829	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates the Z axis has one power module, but the\ DIP switch on the front of the MIF is set for two power modules. Change\ the MRconfig.cfg or DIP switch for the correct number of power modules.		<opr,myhost,log>
2238830	The MRconfig.cfg file indicates real time monitoring is desired, but the\ GAP Software does not detect the presence of any ASMs or GASMs to perform\ real time monitoring. Change the MRconfig.cfg file to avoid this message.		<opr,myhost,log>
2238831	The MRconfig.cfg file indicates real time monitoring is not enabled, but\ the GAP Software detects the presence of ASM(s) and/or GASM(s). If real\ time monitoring is desired, change the MRconfig.cfg file and reset TPS.		<opr,myhost,log>
2238832	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates the X axis GRAM is revision %d, but the\ GRAM Control Board indicates the revision is %d. Change the value for\ 'xGram' in the MRconfig.cfg file to gram-%d and reset TPS.		<opr,myhost,log>
2238833	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates the Y axis GRAM is revision %d, but the\ GRAM Control Board indicates the revision is %d. Change the value for\ 'yGram' in the MRconfig.cfg file to gram-%d and reset TPS.		<opr,myhost,log>
2238834	GRADIENT CONFIGURATION ERROR.\b\ The MRconfig.cfg file indicates the Z axis GRAM is revision %d, but the\ GRAM Control Board indicates the revision is %d. Change the value for\ 'zGram' in the MRconfig.cfg file to gram-%d and reset TPS.		<opr,myhost,log>
2238835	GRADIENT CONFIGURATION ERROR.\b\ The GRAM revision for all three GRAMs must be the same in order to scan.\n\ The GAP indicates the following revisions:\n\ X GRAM Revision %d\n\ Y GRAM Revision %d\n\ Z GRAM Revision %d.		<opr,myhost,log>
2238872	Single Solid State Analogic		<log,myhost,svr>
2238873	Analogic RF Amplifier Cable Fault.\n\ The RF Interface (RFI) is reporting the cable is disconnected or\ defective between the RFI and the Analogic RF Amplifier.		<log,myhost,svr>
2238874	Analogic RF Amplifier Power Loss Fault.\n\ RF Interface (RFI) detects no power to Analogic RF Amplifier.\n\ Possible cause: the breaker on the front of the RFI is turned off.>		<log,myhost,svr>
2238875	Analogic RF Amplifier Power Supply Fault.\n\ Analogic RF Amplifier indicates the main power supply is out of specification.\n\ Possible causes: Supply feedback loop exceeds specification, PS heat sink is overheated,\n\ Power supply FETS are shorted.>		<log,myhost,svr>
2238876	Analogic RF Amplifier Duty Cycle Fault.\n\ Unblank duty cycle exceeds specifications.>		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2238877	Analogic RF Amplifier I Peak Overloaded Fault.\n\nInstantaneous peak drain current of RF devices exceeds specification.>		<log,myhost,svr>
2238878	Analogic RF Amplifier Device Fault 44.\n\nRF FET device is shorted. Replace amplifier.>		<log,myhost,svr>
2238879	Analogic RF Amplifier High Voltage Low Fault.\n\nAnalogic RF Amplifier power supply voltage dropped below specification.>		<log,myhost,svr>
2238880	Analogic RF Amplifier High Voltage High Fault.\n\nAnalogic RF Amplifier power supply voltage went above specification.>		<log,myhost,svr>
2238881	Analogic RF Amplifier Excessive Input Drive Fault.\n\nAnalogic RF Amplifier detects input greater than specification.\n\nPossible causes: RF Interface (RFI) miscalibration, defective exciter,\n\nor defective RF Amplifier.>		<log,myhost,svr>
2238882	Analogic RF Amplifier Overheat Fault.\n\nAnalogic RF Amplifier reports the thermal switch has exceeded 80 C.\n\nPossible causes: restricted air flow, blown fan fuse, defective fan,\n\nroom environment out of specification or defective RF Amplifier.>		<log,myhost,svr>
2238883	Analogic RF Amplifier Peak Power Fault.\n\nPeak power from Analogic RF Amplifier exceeds specification.\n\nPossible causes: RF Interface (RFI) calibration, defective RFI\n\noutput stage, defective Exciter or defective RF Amplifier.>		<log,myhost,svr>
2238884	Analogic RF Amplifier Average Power Fault.\n\nAnalogic RF Amp reports its average power has exceeded specification.\n\nPossible causes: the PSD is exceeding the limits of the system,\n\ndefective RF Interface (RFI) output stage, or defective RF Amp.>		<log,myhost,svr>
2238885	Analogic RF Amplifier Voltage Standing Wave Ratio (VSWR) Fault.\n\nAnalogic RF Amp reflected power exceeds specification.\n\nPossible causes: disconnected or defective output cable from RF\n\nAmplifier to RF Interface (RFI), defective RFI or RF Amp.>		<log,myhost,svr>
2238886	Analogic RF Amplifier Gate Fault.\n\nAnalogic RF Amp reports an unblank pulse width exceeding\n\nspecification.\n\nPossible causes: the PSD is exceeding the limits of the system,\n\ndefective RF Interface (RFI) or defective RF Amplifier.>		<log,myhost,svr>
2238887	Analogic RF Amplifier Junction Temp Fault.\n\nAnalogic RF Amplifier device junction temperature > specification.>		<log,myhost,svr>
2239000	ERBTEC Solid State RF Amplifier fault 00.\n\nCPU Reset Problem		<log,myhost,svr>
2239001	ERBTEC Solid State RF Amplifier fault 01.\n\nThe HC811 detected the +5v power supply failing, and is awaiting\n\na reset. If this is inappropriate, the problem is probably on the\n\nCPU board or the power supply.		<log,myhost,svr>
2239002	ERBTEC Solid State RF Amplifier fault 02.\n\nA brief RAM selftest failed. The problem is on the CPU board.		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239003	ERBTEC Solid State RF Amplifier fault 03.\n\nThe HC811 sampled its a/d reference signal and found it out of\n\ntolerance. The problem is probably on the processor board or\n\nthe power supply.		<log,myhost,sv>
2239004	ERBTEC Solid State RF Amplifier fault 04.\n\nCPU 68332 Failure.		<log,myhost,sv>
2239005	ERBTEC Solid State RF Amplifier fault 05.\n\nCPU 68332 RAM.		<log,myhost,sv>
2239006	ERBTEC Solid State RF Amplifier fault 06.\n\nThe 332 sampled the HC811 a/d reference signal and found it\n\nsignificantly different from the HC811's sample of the same voltage.\n\nThe problem is on the CPU board or the power supply.		<log,myhost,sv>
2239007	ERBTEC Solid State RF Amplifier fault 07.\n\nCPU EPROM Checksum.		<log,myhost,sv>
2239008	ERBTEC Solid State RF Amplifier fault 08.\n\nA brief RAM selftest failed. The problem is on the CPU board.		<log,myhost,sv>
2239009	ERBTEC Solid State RF Amplifier fault 09.\n\nThe SCM strobe appears to be low too often. This is usually\n\ncaused by the SCM cable being disconnected. If the cable is\n\nproperly connected, the problem is on the CPU board.		<log,myhost,sv>
2239010	ERBTEC Solid State RF Amplifier fault 0A.\n\nThe communications link with the LCD display module is broken.		<log,myhost,sv>
2239011	ERBTEC Solid State RF Amplifier fault 0B.\n\nThe EEPROM configuration is unacceptable.		<log,myhost,sv>
2239012	ERBTEC Solid State RF Amplifier fault 0C.\n\nThe cover switch has shorted.		<log,myhost,sv>
2239013	ERBTEC Solid State RF Amplifier fault 0D.\n\nExternal power monitor 1 failed.		<log,myhost,sv>
2239015	ERBTEC Solid State RF Amplifier fault 0E.\n\nExternal power monitor 2 failed.		<log,myhost,sv>
2239016	ERBTEC Solid State RF Amplifier fault 10.\n\nPower Amplifier Module 1 is not plugged in.		<log,myhost,sv>
2239017	ERBTEC Solid State RF Amplifier fault 11.\n\nPower Amplifier Module 1, FET Q402 bad or fuse F401 blown.\n\nAlso possible, but not as likely, that the detector is faulty.		<log,myhost,sv>
2239018	ERBTEC Solid State RF Amplifier fault 12.\n\nPower Amplifier Module 1, FET Q401 bad or fuse F401 blown.\n\nAlso possible, but not as likely, that the detector is faulty.		<log,myhost,sv>
2239019	ERBTEC Solid State RF Amplifier fault 13.\n\nPower Amplifier Module 1, FET Q302 bad or fuse F301 blown.\n\nAlso possible, but not as likely, that the detector is faulty.		<log,myhost,sv>
2239020	ERBTEC Solid State RF Amplifier fault 14.\n\nPower Amplifier Module 1, FET Q301 bad or fuse F301 blown.\n\nAlso possible, but not as likely, that the detector is faulty.		<log,myhost,sv>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239021	ERBTEC Solid State RF Amplifier fault 15.\n\ Power Amplifier Module 1, FET Q202 bad or fuse F201 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239022	ERBTEC Solid State RF Amplifier fault 16.\n\ Power Amplifier Module 1, FET Q201 bad or fuse F201 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239023	ERBTEC Solid State RF Amplifier fault 17.\n\ Power Amplifier Module 1, FET Q102 bad or fuse F101 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239024	ERBTEC Solid State RF Amplifier fault 18.\n\ Power Amplifier Module 1, FET Q101 bad or fuse F101 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239025	ERBTEC Solid State RF Amplifier fault 19.\n\ Power Amplifier Module 1, Excessive power losses or fans not working.		<log,myhost,svr>
2239026	ERBTEC Solid State RF Amplifier fault 1A.\n\ Power Amplifier Module 1, PA revision incompatible with firmware.		<log,myhost,svr>
2239032	ERBTEC Solid State RF Amplifier fault 20.\n\ Power Amplifier Module 2 is not plugged in.		<log,myhost,svr>
2239033	ERBTEC Solid State RF Amplifier fault 21.\n\ Power Amplifier Module 2, FET Q402 bad or fuse F401 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239034	ERBTEC Solid State RF Amplifier fault 22.\n\ Power Amplifier Module 2, FET Q401 bad or fuse F401 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239035	ERBTEC Solid State RF Amplifier fault 23.\n\ Power Amplifier Module 2, FET Q302 bad or fuse F301 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239036	ERBTEC Solid State RF Amplifier fault 24.\n\ Power Amplifier Module 2, FET Q301 bad or fuse F301 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239037	ERBTEC Solid State RF Amplifier fault 25.\n\ Power Amplifier Module 2, FET Q202 bad or fuse F201 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239038	ERBTEC Solid State RF Amplifier fault 26.\n\ Power Amplifier Module 2, FET Q201 bad or fuse F201 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239039	ERBTEC Solid State RF Amplifier fault 27.\n\ Power Amplifier Module 2, FET Q102 bad or fuse F101 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239040	ERBTEC Solid State RF Amplifier fault 28.\n\ Power Amplifier Module 2, FET Q101 bad or fuse F101 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239041	ERBTEC Solid State RF Amplifier fault 29.\n\ Power Amplifier Module 2, Excessive power losses or fans not working.		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239042	ERBTEC Solid State RF Amplifier fault 2A.\n\ Power Amplifier Module 2, PA revision incompatible with firmware.		<log,myhost,svr>
2239048	ERBTEC Solid State RF Amplifier fault 30.\n\ Power Amplifier Module 3 is not plugged in.		<log,myhost,svr>
2239049	ERBTEC Solid State RF Amplifier fault 31.\n\ Power Amplifier Module 3, FET Q402 bad or fuse F401 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239050	ERBTEC Solid State RF Amplifier fault 32.\n\ Power Amplifier Module 3, FET Q401 bad or fuse F401 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239051	ERBTEC Solid State RF Amplifier fault 33.\n\ Power Amplifier Module 3, FET Q302 bad or fuse F301 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239052	ERBTEC Solid State RF Amplifier fault 34.\n\ Power Amplifier Module 3, FET Q301 bad or fuse F301 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239053	ERBTEC Solid State RF Amplifier fault 35.\n\ Power Amplifier Module 3, FET Q202 bad or fuse F201 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239054	ERBTEC Solid State RF Amplifier fault 36.\n\ Power Amplifier Module 3, FET Q201 bad or fuse F201 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239055	ERBTEC Solid State RF Amplifier fault 37.\n\ Power Amplifier Module 3, FET Q102 bad or fuse F101 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239056	ERBTEC Solid State RF Amplifier fault 38.\n\ Power Amplifier Module 3, FET Q101 bad or fuse F101 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239057	ERBTEC Solid State RF Amplifier fault 39.\n\ Power Amplifier Module 3, Excessive power losses or fans not working.		<log,myhost,svr>
2239058	ERBTEC Solid State RF Amplifier fault 3A.\n\ Power Amplifier Module 3, PA revision incompatible with firmware.		<log,myhost,svr>
2239064	ERBTEC Solid State RF Amplifier fault 40.\n\ Power Amplifier Module 4 is not plugged in.		<log,myhost,svr>
2239065	ERBTEC Solid State RF Amplifier fault 41.\n\ Power Amplifier Module 4, FET Q402 bad or fuse F401 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239066	ERBTEC Solid State RF Amplifier fault 42.\n\ Power Amplifier Module 4, FET Q401 bad or fuse F401 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239067	ERBTEC Solid State RF Amplifier fault 43.\n\ Power Amplifier Module 4, FET Q302 bad or fuse F301 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239068	ERBTEC Solid State RF Amplifier fault 44.\n\ Power Amplifier Module 4, FET Q301 bad or fuse F301 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239069	ERBTEC Solid State RF Amplifier fault 45.\n\ Power Amplifier Module 4, FET Q202 bad or fuse F201 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239070	ERBTEC Solid State RF Amplifier fault 46.\n\ Power Amplifier Module 4, FET Q201 bad or fuse F201 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239071	ERBTEC Solid State RF Amplifier fault 47.\n\ Power Amplifier Module 4, FET Q102 bad or fuse F101 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239072	ERBTEC Solid State RF Amplifier fault 48.\n\ Power Amplifier Module 4, FET Q101 bad or fuse F101 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239073	ERBTEC Solid State RF Amplifier fault 49.\n\ Power Amplifier Module 4, Excessive power losses or fans not working.		<log,myhost,svr>
2239074	ERBTEC Solid State RF Amplifier fault 4A.\n\ Power Amplifier Module 4, PA revision incompatible with firmware.		<log,myhost,svr>
2239080	ERBTEC Solid State RF Amplifier fault 50.\n\ Power Amplifier Module 5 is not plugged in.		<log,myhost,svr>
2239081	ERBTEC Solid State RF Amplifier fault 51.\n\ Power Amplifier Module 5, FET Q402 bad or fuse F401 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239082	ERBTEC Solid State RF Amplifier fault 52.\n\ Power Amplifier Module 5, FET Q401 bad or fuse F401 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239083	ERBTEC Solid State RF Amplifier fault 53.\n\ Power Amplifier Module 5, FET Q302 bad or fuse F301 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239084	ERBTEC Solid State RF Amplifier fault 54.\n\ Power Amplifier Module 5, FET Q301 bad or fuse F301 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239085	ERBTEC Solid State RF Amplifier fault 55.\n\ Power Amplifier Module 5, FET Q202 bad or fuse F201 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239086	ERBTEC Solid State RF Amplifier fault 56.\n\ Power Amplifier Module 5, FET Q201 bad or fuse F201 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239087	ERBTEC Solid State RF Amplifier fault 57.\n\ Power Amplifier Module 5, FET Q102 bad or fuse F101 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>
2239088	ERBTEC Solid State RF Amplifier fault 58.\n\ Power Amplifier Module 5, FET Q101 bad or fuse F101 blown.\n\ Also possible, but not as likely, that the detector is faulty.		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239089	ERBTEC Solid State RF Amplifier fault 59.\n\ Power Amplifier Module 5, Excessive power losses or fans not working.		<log,myhost,sv>
2239090	ERBTEC Solid State RF Amplifier fault 5A.\n\ Power Amplifier Module 5, PA revision incompatible with firmware.		<log,myhost,sv>
2239096	ERBTEC Solid State RF Amplifier fault 60.\n\ RFO input cable disconnected or relay is broken.		<log,myhost,sv>
2239097	ERBTEC Solid State RF Amplifier fault 61.\n\ Head relay in wrong position for current mode or RFO input cable\n\ not connected.		<log,myhost,sv>
2239098	ERBTEC Solid State RF Amplifier fault 62.\n\ Body relay in wrong position for current mode or RFO input cable\n\ not connected.		<log,myhost,sv>
2239112	ERBTEC Solid State RF Amplifier fault 70.\n\ Power supply (+5v), voltage high. Failed LM317 on CPU board.		<log,myhost,sv>
2239113	ERBTEC Solid State RF Amplifier fault 71.\n\ Power supply (+5v), voltage low. Control Power too low.\n\ Failed LM317 on CPU board. Failed component on CPU drawing current.		<log,myhost,sv>
2239114	ERBTEC Solid State RF Amplifier fault 72.\n\ Power supply (-5.2v), voltage high. Failed LM7905 on CPU board.		<log,myhost,sv>
2239115	ERBTEC Solid State RF Amplifier fault 73.\n\ Power supply (-5.2v), voltage low. -5 Unregulated too high.\n\ Failed LM7905 on CPU board. Failed component on CPU drawing current.		<log,myhost,sv>
2239116	ERBTEC Solid State RF Amplifier fault 74.\n\ Power supply (+24v), voltage high. Improperly adjusted R22.\n\ Failed TL494 (U3) on Regulator Control board. Failed MUX U10\n\ or U11 on Regulator Control board.		<log,myhost,sv>
2239117	ERBTEC Solid State RF Amplifier fault 75.\n\ Power supply (+24v), voltage low. Improperly adjusted R22.\n\ Failed TL494 (U3) on Regulator Control board. Failed MUX U10\n\ or U11 on Regulator Control board.		<log,myhost,sv>
2239118	ERBTEC Solid State RF Amplifier fault 76.\n\ Power supply (+24v), current high. Damaged LPRF module. Failed\n\ U2 or Q2 on Regulator Control board. Failed MUX U10 or U11 on\n\ Regulator Control board. Failed TL494 on Regulator Control board.		<log,myhost,sv>
2239119	ERBTEC Solid State RF Amplifier fault 77.\n\ Power supply (+75v), voltage high. Failed MUX U10 or U11 on\n\ Regulator Control board.		<log,myhost,sv>
2239120	ERBTEC Solid State RF Amplifier fault 78.\n\ Power supply (+75v), voltage low. Failed relay on AC Input module.\n\ Blown fuse on AC Input module. Failed MUX U10 or U11 on\n\ Regulator Control board.		<log,myhost,sv>
2239121	ERBTEC Solid State RF Amplifier fault 79.\n\ Power supply, regulator temperature too high. Failed fan on lower\n\ front panel. Failed MUX U10 or U11 on Regulator Control board.		<log,myhost,sv>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239122	ERBTEC Solid State RF Amplifier fault 7A.\n\nPower supply, control power bus low. Failed rectifier (D9) on\n\nAC Input module. Blown fuse on AC Input module. Failed MUX U10\n\nor U12 on Regulator Control board.		<log,myhost,svr>
2239123	ERBTEC Solid State RF Amplifier fault 7B.\n\nPower supply (+48v), voltage high. Improperly adjusted R44.\n\nFailed TL494 (U7) on Regulator Control board. Failed MUX U10\n\nor U11 on Regulator Control board.		<log,myhost,svr>
2239124	ERBTEC Solid State RF Amplifier fault 7C.\n\nPower supply (+48v), voltage low. Improperly adjusted R44.\n\nFailed TL494 (U7) on Regulator Control board. Failed MUX U10\n\nor U11 on Regulator Control board.		<log,myhost,svr>
2239125	ERBTEC Solid State RF Amplifier fault 7D.\n\nPower supply (+48v), current high. Damaged PA module. Failed U6\n\nor Q4 on Regulator Control board. Failed MUX U10 or U11 on Regulator\n\nControl board. Failed TL494 (U7) on Regulator Control board.		<log,myhost,svr>
2239126	ERBTEC Solid State RF Amplifier fault 7E.\n\nPower supply, Step/Start Power. Failed K2 on AC Input module.\n\nFailed MUX U10 or U12 on Regulator Control board.		<log,myhost,svr>
2239128	ERBTEC Solid State RF Amplifier fault 80.\n\nSystem Fault.		<log,myhost,svr>
2239129	ERBTEC Solid State RF Amplifier fault 81.\n\nSystem Fault, High Voltage system relay. The externally controlled\n\n12v relay appears to be not energized. The most probable cause is\n\nexternal to the amplifier.		<log,myhost,svr>
2239130	ERBTEC Solid State RF Amplifier fault 82.\n\nSystem Fault, Cover Interlock Switch. There are two cover interlock\n\nswitches which are wired in series. One of them appears to be open.		<log,myhost,svr>
2239131	ERBTEC Solid State RF Amplifier fault 83.\n\nSystem Fault, 75v still up in off mode. The 75v power supply must\n\nbe lower than 20v before the *power on* sequence will be executed.		<log,myhost,svr>
2239132	ERBTEC Solid State RF Amplifier fault 84.\n\nSystem Fault, 75v rising too slowly.		<log,myhost,svr>
2239133	ERBTEC Solid State RF Amplifier fault 85.\n\nSystem Fault, 75v rising too quickly.		<log,myhost,svr>
2239134	ERBTEC Solid State RF Amplifier fault 86.\n\nSystem Fault, 48v still up in off mode.		<log,myhost,svr>
2239144	ERBTEC Solid State RF Amplifier fault 90.\n\nOperation fault.		<log,myhost,svr>
2239145	ERBTEC Solid State RF Amplifier fault 91.\n\nThe UNBLANK signal has been held *true* for too long.\n\nThe cause is external to the amplifier or on the CPU module.		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239146	ERBTEC Solid State RF Amplifier fault 92.\n\nThe high speed blanker tripped. Possible causes are:\n\nExternal to the amplifier (too much power), RF monitor module\n\n(faulty detectors), or the CPU module (faulty reference voltage.)		<log,myhost,svr>
2239147	ERBTEC Solid State RF Amplifier fault 93.\n\nThe forward power of the amplifier was exceeded while in HEAD mode.\n\nPossible causes include: bad RF monitor module (faulty detectors),\n\nor bad CPU module (A/D sampling error.)		<log,myhost,svr>
2239148	ERBTEC Solid State RF Amplifier fault 94.\n\nThe reflected power of the amplifier was exceeded while in HEAD mode.\n\nPossible causes include: bad RF monitor module (faulty detectors),\n\nor bad CPU module (A/D sampling error.)		<log,myhost,svr>
2239149	ERBTEC Solid State RF Amplifier fault 95.\n\nThe forward power of the amplifier was exceeded while in BODY mode.\n\nPossible causes include: bad RF monitor module (faulty detectors),\n\nor bad CPU module (A/D sampling error.)		<log,myhost,svr>
2239150	ERBTEC Solid State RF Amplifier fault 96.\n\nThe reflected power of the amplifier was exceeded while in BODY mode.\n\nPossible causes include: bad RF monitor module (faulty detectors),\n\nor bad CPU module (A/D sampling error.)		<log,myhost,svr>
2239151	ERBTEC Solid State RF Amplifier fault 97.\n\nThe commanded frequency is different from 121. The cause is external\n\n to the amplifier or on the CPU module.		<log,myhost,svr>
2239152	ERBTEC Solid State RF Amplifier fault 98.\n\nThe commanded mode is illegal. The cause is external to the\n\n amplifier or on the CPU module.		<log,myhost,svr>
2239153	ERBTEC Solid State RF Amplifier fault 99.\n\nAverage RF Power too high.		<log,myhost,svr>
2239154	ERBTEC Solid State RF Amplifier fault 9A.\n\nThe RF pulse energy of the amplifier was exceeded.\n\nPossible causes include: bad RF monitor module (faulty detectors),\n\nor bad CPU module (A/D sampling error.)		<log,myhost,svr>
2239155	ERBTEC Solid State RF Amplifier fault 9B.\n\nThe UNBLANK signal has not been held *true* for long enough.\n\nThe cause is external to the amplifier or on the CPU module.		<log,myhost,svr>
2239156	ERBTEC Solid State RF Amplifier fault 9C.\n\nThe BLANK signal has not been held *true* for long enough.\n\nThe cause is external to the amplifier or on the CPU module.		<log,myhost,svr>
2239157	ERBTEC Solid State RF Amplifier fault 9D.\n\nDuty Cycle beyond limits.		<log,myhost,svr>
2239174	GRADIENT DRIVER TESTS - Power Up MIF %c Axis Register Pattern Test Failed.\n\nPower appears to be off. Possible causes: Cable between MIF & GAP, MIF board,\n\n or GAP board.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239175	GRADIENT DRIVER TESTS - Power Up ASM %c Axis Register Pattern Test Failed.\n\nPower appears to be off. Re-seat the ASM, or check the MIF board, GAP board,\n\nand cable between MIF & GAP.		<myhost,svr,log>
2239176	GRADIENT DRIVER TESTS - Power Up GRAM %c Axis Register Pattern Test Failed.\n\nPower appears to be off. Possible causes: GRAM Power Supply, cable between GAP\n\n& GRAM, GRAM control board, GAP board, or the MIF DIP switch is set improperly.		<myhost,svr,log>
2239177	GRADIENT DRIVER TESTS - Power Up GASM %c Axis Register Pattern Test Failed.\n\nPower appears to be off. Possible causes: GASM cable connections, the GASM\n\nboard, the cable between the GAP & GRAM, the GAP board, or the MIF DIP switch\n\nis set improperly.		<myhost,svr,log>
2239178	GRADIENT DRIVER TESTS - Power Up Register Pattern Test Failed.\n\nThe MIF appears to be disconnected or there is a cable problem on\n\nthe %c Axis. Check the cables within the GAP module, or the cable between\n\nGAP & MIF.		<myhost,svr,log>
2239179	GRADIENT DRIVER TESTS - Power Up Register Pattern Test Failed.\n\nThe ASM appears to be disconnected or there is a cable problem on\n\nthe %c Axis. Check the cables within the GAP module, or the cable between\n\nGAP & MIF.		<myhost,svr,log>
2239180	GRADIENT DRIVER TESTS - Power Up Register Pattern Test Failed.\n\nThe GRAM appears to be disconnected or there is a cable problem on\n\nthe %c Axis. Check the cables within the GAP module, or the cable between\n\nGAP & GRAM. Verify the MIF DIP switch settings.		<myhost,svr,log>
2239181	GRADIENT DRIVER TESTS - Power Up Register Pattern Test Failed.\n\nGASM appears to be disconnected or there is a cable problem on\n\nthe %c Axis. Check GASM cable connections, cable between GAP &\n\nGRAM, cables within GAP module, and MIF DIP switch settings.		<myhost,svr,log>
2239182	GRADIENT DRIVER TESTS - Power Up Register Pattern Test Failed.\n\nEach MIF board has several errors. Possible causes: GAP board or GAP\n\n+12V Supply.		<myhost,svr,log>
2239183	GRADIENT DRIVER TESTS - Power Up Register Pattern Test Failed.\n\nEach ASM board has several errors. Possible causes: GAP board or GAP\n\n+12V Supply.		<myhost,svr,log>
2239184	GRADIENT DRIVER TESTS - Power Up Register Pattern Test Failed.\n\nEach GRAM has several errors. Possible causes: GAP board, GAP\n\n+12V Supply, or the DIP switch on the front of the MIF indicates that\n\na GRAM is present when it is not.		<myhost,svr,log>
2239185	GRADIENT DRIVER TESTS - Power Up Register Pattern Test Failed.\n\nEach GASM board has several errors. Possible causes: GAP board, GAP\n\n+12V Supply, or the DIP switch on the front of the MIF indicates that\n\na GRAM is present when it is not.		<myhost,svr,log>
2239186	GRADIENT DRIVER TESTS - Power Up Register Pattern Test Failed.\n\nThe MIF %c Axis has %d errors out of 16. Possible causes: cables within\n\nthe GAP module, cable between MIF & GAP, the MIF board, or the GAP board.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239187	GRADIENT DRIVER TESTS - Power Up Register Pattern Test Failed.\n\nThe ASM %c Axis has %d errors out of 16. Possible causes: cables within\n\nthe GAP module, cable between MIF & GAP, the MIF board, the ASM board, or\n\nthe GAP board.		<myhost,svr,log>
2239188	GRADIENT DRIVER TESTS - Power Up Register Pattern Test Failed.\n\nThe GRAM %c Axis has %d errors out of 16. Possible causes: cables within\n\nthe GAP module, cable between GAP & GRAM, the GRAM, GAP board, or the\n\nMIF DIP switches are not properly set.		<myhost,svr,log>
2239189	GRADIENT DRIVER TESTS - Power Up Register Pattern Test Failed.\n\nThe GASM %c Axis has %d errors out of 16. Possible causes: cables within\n\nGAP module, cable between GAP & GRAM, GRAM, GAP, GASM cable\n\nconnections, GASM, or MIF DIP switch settings.		<myhost,svr,log>
2239190	GRADIENT DRIVER TESTS - Power Up MIF %c Axis Register Addressing Test Failed.\n\nPossible causes: cables within the GAP module, cable between MIF & GAP, the\n\nMIF board, the GAP board, or the MIF DIP switches are improperly set.		<myhost,svr,log>
2239191	GRADIENT DRIVER TESTS - Power Up ASM %c Axis Register Addressing Test Failed.\n\nPossible causes: cables within the GAP module, cable between MIF & GAP, the\n\nMIF board, the ASM board, or the GAP board.		<myhost,svr,log>
2239192	GRADIENT DRIVER TESTS - Power Up GRAM %c Axis Register Addressing Test Failed.\n\nPossible causes: MIF DIP switches are improperly set, cables within the GAP\n\nmodule, cable between the GAP & GRAM, GRAM, GAP, or GRAM board DIP switches\n\nare enabled.		<myhost,svr,log>
2239193	GRADIENT DRIVER TESTS - Power Up GASM %c Axis Register Addressing Test Failed.\n\nPossible causes: MIF DIP switches are improperly set, cables within the GAP\n\nmodule, cable between GAP & GRAM, GRAM, GAP, GASM cable connections, or GASM.		<myhost,svr,log>
2239204	GRADIENT DRIVER TESTS - %c Axis Power Up Test failures.\n\nASM and GASM Local Voltage Test will not be executed on %c Axis.\n\nCheck previous error messages.		<myhost,svr,log>
2239205	GRADIENT DRIVER TESTS - ASM Local Voltage Check Failed.\n\nThe ASM %c Axis local voltage signals: AGND, DIG_5V_REF, REF_15V, REF_5V,\n\nand V_1_235 all measure 0 Volts. Re-seat the ASM board or check the MIF board.		<myhost,svr,log>
2239206	GRADIENT DRIVER TESTS - GASM Local Voltage Check Failed.\n\nThe GASM %c Axis local voltage signals: AGND, VCC_REF, REF_15V, REF_5V,\n\nand V_1_235 all measure 0 Volts. Check the GASM cable connections or the GRAM\n\nControl board.		<myhost,svr,log>
2239207	GRADIENT DRIVER TESTS - ASM %c Axis AGND voltage out of range.\n\nRe-seat the ASM, if problem persists swap ASM. If problem moves, replace\n\nASM, else replace MIF.\n\nLow: %10.3fV High: %10.3fV Value: %10.3fV		<myhost,svr,log>
2239208	GRADIENT DRIVER TESTS - ASM %c Axis DIG_5V_REF voltage out of range.\n\nRe-seat the ASM, if problem persists swap ASM. If problem moves, replace\n\nASM, else replace MIF.\n\nLow: %10.3fV High: %10.3fV Value: %10.3fV		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239209	GRADIENT DRIVER TESTS - ASM %c Axis REF_15V voltage out of range.\n\nRe-seat the ASM, if problem persists swap ASM. If problem moves, replace\n\nASM, else replace MIF.\n\nLow: %10.3fV High: %10.3fV Value: %10.3fV		<myhost,svr,log>
2239210	GRADIENT DRIVER TESTS - ASM %c Axis REF_5V voltage out of range.\n\nRe-seat the ASM, if problem persists swap ASM. If problem moves, replace\n\nASM, else replace MIF.\n\nLow: %10.3fV High: %10.3fV Value: %10.3fV		<myhost,svr,log>
2239211	GRADIENT DRIVER TESTS - ASM %c Axis V_1_235 voltage out of range.\n\nRe-seat the ASM, if problem persists swap ASM. If problem moves, replace\n\nASM, else replace MIF.\n\nLow: %10.3fV High: %10.3fV Value: %10.3fV		<myhost,svr,log>
2239212	GRADIENT DRIVER TESTS - GASM %c Axis AGND voltage out of range.\n\nCheck the GASM cable connections; if problem persists swap GASM.\n\nIf problem moves, replace GASM, else replace GRAM.\n\nLow: %10.3fV High: %10.3fV Value: %10.3fV		<myhost,svr,log>
2239213	GRADIENT DRIVER TESTS - GASM %c Axis VCC_REF voltage out of range.\n\nCheck the GASM cable connections; if problem persists swap GASM.\n\nIf problem moves, replace GASM, else replace GRAM.\n\nLow: %10.3fV High: %10.3fV Value: %10.3fV		<myhost,svr,log>
2239214	GRADIENT DRIVER TESTS - GASM %c Axis REF_15V voltage out of range.\n\nCheck the GASM cable connections; if problem persists swap GASM.\n\nIf problem moves, replace GASM, else replace GRAM.\n\nLow: %10.3fV High: %10.3fV Value: %10.3fV		<myhost,svr,log>
2239215	GRADIENT DRIVER TESTS - GASM %c Axis REF_5V voltage out of range.\n\nCheck the GASM cable connections; if problem persists swap GASM.\n\nIf problem moves, replace GASM, else replace GRAM.\n\nLow: %10.3fV High: %10.3fV Value: %10.3fV		<myhost,svr,log>
2239216	GRADIENT DRIVER TESTS - GASM %c Axis V_1_235 voltage out of range.\n\nCheck the GASM cable connections; if problem persists swap GASM.\n\nIf problem moves, replace GASM, else replace GRAM.\n\nLow: %10.3fV High: %10.3fV Value: %10.3fV		<myhost,svr,log>
2239234	GRADIENT DRIVER TESTS		<myhost,svr,log>
2239235	%b\n\n%b ->\n\n%b		<myhost,svr,log>
2239236	GRADIENT DRIVER TESTS - Internal GAP Software Error.\n\nThe Gradient Driver Tests command word was empty.\n\nSPI software specified an empty command word in a MDS packet. If the\n\nMDS link connection is good, this is a software bug; write a CQA.->		<myhost,svr,log>
2239237	GRADIENT DRIVER TESTS - %c Axis Power Up Test failures.\n\nGradient Driver %b Tests will not be executed on %c Axis.\n\nCheck previous error messages.		<myhost,svr,log>
2239238	Standby Vctrl=1 AVin=0		<myhost,svr,log>
2239239	Ready Vctrl=1 AVin=0		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239240	Ready Vctrl=0 AVin=0		<myhost,svr,log>
2239241	Ready Vctrl=1 AVin=1		<myhost,svr,log>
2239242	Dynamic Settling Test		<myhost,svr,log>
2239243	Static		<myhost,svr,log>
2239244	Dynamic		<myhost,svr,log>
2239245	Digital Tuning Bd Test		<myhost,svr,log>
2239246	Digital Tune		<myhost,svr,log>
2239247	LCoil Adjustment		<myhost,svr,log>
2239248	LCoil Adjust		<myhost,svr,log>
2239264	GRADIENT DRIVER TESTS - Static Test MIF %c Axis Configuration Error.\n\nRequired: Current Sum=0, Low-side Invert=1, Serv Mode=0, Manual Ena=0.\n\nCurrent: Current Sum=%d, Low-side Invert=%d, Serv Mode=%d, Manual Ena=%d.\n\nNo tests will be run on this axis.->		<myhost,svr,log>
2239265	GRADIENT DRIVER TESTS - %b Test ASM %c Axis Configuration Error.\n\nAn ASM must be present to perform this test. This Axis does not have an ASM.\n\nTo test this axis, install an ASM and run test again.->		<myhost,svr,log>
2239266	GRADIENT DRIVER TESTS - %b Test %c Axis Configuration Error.\n\nPower Modules must be set in Series Mode. To test this axis, set the\n\nSeries switch on the front of the MIF to 1 and run test again.->		<myhost,svr,log>
2239267	GRADIENT DRIVER TESTS - %b Test %c Axis Configuration Error.\n\nSingle Power Module without a GRAM is not a valid configuration for this test.\n\nTo test this axis, reconfigure in a valid product configuration and run\n\n test again.->		<myhost,svr,log>
2239268	GRADIENT DRIVER TESTS - %b Test GASM %c Axis Configuration Error.\n\nA GASM must be present to perform this test. This Axis does not have a GASM.\n\nTo test this axis, install a GASM and run test again.->		<myhost,svr,log>
2239269	GRADIENT DRIVER TESTS - %b Test GRAM %c Axis Configuration Error.\n\nRequired: Serv Mode=0, Inverter Ready=1, Control Ready=1.\n\nCurrent: Serv Mode=%d, Inverter Ready=%d, Control Ready=%d.\n\nNo tests will be run on this axis.->		<myhost,svr,log>
2239270	GRADIENT DRIVER TESTS - %b Test MIF %c Axis Full Scale Setup Error.\n\nSoftware failed to set Full Scale to 200A. To test this axis, replace\n\n the MIF module and run test again.->		<myhost,svr,log>
2239271	GRADIENT DRIVER TESTS - %b Test MIF %c Axis Load Comp Setup Error.\n\nSoftware failed to set Load Compensation to 0. To test this axis,\n\n replace the MIF module and run test again.		<myhost,svr,log>
2239272	GRADIENT DRIVER TESTS - %b Test GRAM %c Axis Freewheel Setup Error.\n\nSoftware failed to set the GRAM to Freewheel. To test this axis, replace\n\n the GRAM and run test again.		<myhost,svr,log>
2239273	GRADIENT DRIVER TESTS - %b Test GRAM %c Axis High Volt Enable Error.\n\nSoftware failed to set GRAM High Voltage Enable. To test this axis, replace\n\n the GRAM and run test again.		<myhost,svr,log>
2239274	GRADIENT DRIVER TESTS - %b Test MIF %c Axis Analog VIN Setup Error.\n\nSoftware failed to set the MIF Analog VIN to %d. To test this axis,\n\n replace the MIF module and run test again.->		<myhost,svr,log>



## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239295	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nVDAC had %d failures out of %d. Possible causes: HSSD cable from GAP to MIF,\n\nthe MIF Board, or the GAP Board.->\n\nStandby Vctrl=1 AVin=0		<myhost,svr,log>
2239296	No text. Message removed.		<myhost,svr,log>
2239297	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nVDAC had %d failures out of %d. Possible causes: Cable between the MIF &\n\nGRAM, the MIF Module, or the GRAM Module.\n\nReady Vctrl=1 AVin=1		<myhost,svr,log>
2239298	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nVMIF had %d failures out of %d. Possible causes: MIF Module, cable from MIF\n\nto HIGH or LOW Power Module, or the HIGH or LOW 8645 Main Board.->\n\nStandby Vctrl=1 AVin=0		<myhost,svr,log>
2239299	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nVCC_H had %d failures out of %d. Possible causes: 8645 HIGH Main Board,\n\nthe PPBM, or the MIF Module.->\n\nStandby Vctrl=1 AVin=0		<myhost,svr,log>
2239300	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nVCC_H had %d failures out of %d. Possible causes: 8645 HIGH Main Board,\n\nPPBM, or MIF Module.->\n\nReady Vctrl=1 AVin=0		<myhost,svr,log>
2239301	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nVCC_L had %d failures out of %d. Possible causes: 8645 LOW Main Board,\n\nthe PPBM, or the MIF Module.->\n\nStandby Vctrl=1 AVin=0		<myhost,svr,log>
2239302	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nVCC_L had %d failures out of %d. Possible causes: 8645 LOW Main Board,\n\nPPBM, or the MIF Module.->\n\nReady Vctrl=1 AVin=0		<myhost,svr,log>
2239303	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nVOUT_H had %d failures out of %d. Possible causes: Cables between MIF &\n\nHIGH Power Module, the GRAM, the MIF Module, or the 8645 HIGH Main Board.->\n\nStandby Vctrl=1 AVin=0		<myhost,svr,log>
2239304	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nVOUT_H had %d failures out of %d. Possible causes: 8645 HIGH Main Board,\n\nOutput Shelf, PPBM, MIF Module, GRAM Module (if present), or Load.->\n\nReady Vctrl=1 AVin=0		<myhost,svr,log>
2239305	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nVOUT_L had %d failures out of %d. Possible causes: Cables between MIF &\n\nLOW Power Module, the GRAM, the MIF Module, or the 8645 LOW Main Board.->\n\nStandby Vctrl=1 AVin=0		<myhost,svr,log>
2239306	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nVOUT_L had %d failures out of %d. Possible causes: 8645 LOW Main Board,\n\nOutput Shelf, PPBM, MIF Module, GRAM Module (if present), or Load.->\n\nReady Vctrl=1 AVin=0		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239307	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n IOUT_H had %d failures out of %d. Possible causes: 8645 HI Main Board,\n Current Shunt, Output Shelf, MIF, Epoxy-filled Gradient Coil,\n Output cables, or Gradient Filter Box.->\n Ready Vctrl=1 AVin=0		<myhost,svr,log>
2239308	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n ITOT had %d failures out of %d. Possible causes: MIF Module or 8645 HIGH\n Main Board.->\n Ready Vctrl=1 AVin=0		<myhost,svr,log>
2239309	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n ITOT had %d failures out of %d. Possible cause: MIF Module.->\n Ready Vctrl=0 AVin=0		<myhost,svr,log>
2239310	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n PXTEMP_H had %d failures out of %d. Possible causes: 8645 HIGH Main Board,\n Output Shelf, blocked airflow, or MIF Module.->\n Standby Vctrl=1 AVin=0		<myhost,svr,log>
2239311	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n PXTEMP_H had %d failures out of %d. Possible causes: 8645 HIGH Main Board,\n Output Shelf, PPBM, or MIF Module.->\n Ready Vctrl=0 AVin=0		<myhost,svr,log>
2239312	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n PXTEMP_H exceeded Max Temp change.\n Measured Delta=%6.3fC, Maximum Delta=%6.3fC.\n Possible causes: 8645 HIGH Main Board, Output Shelf, or MIF Module.->\n Standby Vctrl=1 AVin=0		<myhost,svr,log>
2239313	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n PXTEMP_H exceeded Max Temp change.\n Measured Delta=%6.3fC, Maximum Delta=%6.3fC.\n Possible causes: 8645 HIGH Main Board, Output Shelf, PPBM, or MIF\n Module.->\n Ready Vctrl=0 AVin=0		<myhost,svr,log>
2239314	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n PXTEMP_L had %d failures out of %d. Possible causes: 8645 LOW Main Board,\n Output Shelf, blocked airflow, or MIF Module.->\n Standby Vctrl=1 AVin=0		<myhost,svr,log>
2239315	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n PXTEMP_L had %d failures out of %d. Possible causes: 8645 LOW Main Board,\n Output Shelf, PPBM, or MIF Module.->\n Ready Vctrl=0 AVin=0		<myhost,svr,log>
2239316	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n PXTEMP_L exceeded Max Temp change.\n Measured Delta=%6.3fC, Maximum Delta=%6.3fC.\n Possible causes: 8645 LOW Main Board, Output Shelf, or MIF Module.->\n Standby Vctrl=1 AVin=0		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239317	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\ PXTEMP_L exceeded Max Temp change.\n\ Measured Delta=%6.3fC, Maximum Delta=%6.3fC.\n\ Possible causes: 8645 LOW Main Board, Output Shelf, PPBM, or MIF\n\ Module.->\n\ Ready Vctrl=0 AVin=0		<myhost,svr,log>
2239318	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\ NXTEMP_H had %d failures out of %d. Possible causes: 8645 HIGH Main Board,\n\ Output Shelf, blocked airflow, or MIF Module.->\n\ Standby Vctrl=1 AVin=0		<myhost,svr,log>
2239319	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\ NXTEMP_H had %d failures out of %d. Possible causes: 8645 HIGH Main Board,\n\ Output Shelf, PPBM, or MIF Module.->\n\ Ready Vctrl=0 AVin=0		<myhost,svr,log>
2239320	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\ NXTEMP_H exceeded Max Temp change.\n\ Measured Delta=%6.3fC, Maximum Delta=%6.3fC.\n\ Possible causes: 8645 HIGH Main Board, Output Shelf, or MIF Module.->\n\ Standby Vctrl=1 AVin=0		<myhost,svr,log>
2239321	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\ NXTEMP_H exceeded Max Temp change.\n\ Measured Delta=%6.3fC, Maximum Delta=%6.3fC.\n\ Possible causes: 8645 HIGH Main Board, Output Shelf, PPBM, or MIF\n\ Module.->\n\ Ready Vctrl=0 AVin=0		<myhost,svr,log>
2239322	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\ NXTEMP_L had %d failures out of %d. Possible causes: 8645 LOW Main Board,\n\ Output Shelf, blocked airflow, or MIF Module.->\n\ Standby Vctrl=1 AVin=0		<myhost,svr,log>
2239323	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\ NXTEMP_L had %d failures out of %d. Possible causes: 8645 LOW Main Board,\n\ Output Shelf, PPBM, or MIF Module.->\n\ Ready Vctrl=0 AVin=0		<myhost,svr,log>
2239324	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\ NXTEMP_L exceeded Max Temp change.\n\ Measured Delta=%6.3fC, Maximum Delta=%6.3fC.\n\ Possible causes: 8645 LOW Main Board, Output Shelf, or MIF Module.->\n\ Standby Vctrl=1 AVin=0		<myhost,svr,log>
2239325	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\ NXTEMP_L exceeded Max Temp change.\n\ Measured Delta=%6.3fC, Maximum Delta=%6.3fC.\n\ Possible causes: 8645 LOW Main Board, Output Shelf, PPBM, or MIF\n\ Module.->\n\ Ready Vctrl=0 AVin=0		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239326	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nXFTEMP_H had %d failures out of %d. Possible causes: 8645 HIGH Main Board,\n\nblocked airflow, MIF Module, PPBM, or Toroid Power Supply.->\n\nStandby Vctrl=1 AVin=0		<myhost,svr,log>
2239327	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nXFTEMP_H had %d failures out of %d. Possible causes: 8645 HIGH Main Board,\n\nMIF Module, PPBM, or Toroid Power Supply.->\n\nReady Vctrl=0 AVin=0		<myhost,svr,log>
2239328	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nXFTEMP_H exceeded Max Temp change.\n\nMeasured Delta=%6.3fC, Maximum Delta=%6.3fC.\n\nPossible causes: 8645 HIGH Main Board, MIF Module, PPBM, or Toroid\n\nPower Supply.->\n\nStandby Vctrl=1 AVin=0		<myhost,svr,log>
2239329	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nXFTEMP_H exceeded Max Temp change.\n\nMeasured Delta=%6.3fC, Maximum Delta=%6.3fC.\n\nPossible causes: 8645 HIGH Main Board, MIF Module, PPBM, or Toroid\n\nPower Supply.->\n\nReady Vctrl=0 AVin=0		<myhost,svr,log>
2239330	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nXFTEMP_L had %d failures out of %d. Possible causes: 8645 LOW Main Board,\n\nblocked airflow, MIF Module, PPBM, or Toroid Power Supply.->\n\nStandby Vctrl=1 AVin=0		<myhost,svr,log>
2239331	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nXFTEMP_L had %d failures out of %d. Possible causes: 8645 LOW Main Board,\n\nMIF Module, PPBM, or Toroid Power Supply.->\n\nReady Vctrl=0 AVin=0		<myhost,svr,log>
2239332	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nXFTEMP_L exceeded Max Temp change.\n\nMeasured Delta=%6.3fC, Maximum Delta=%6.3fC.\n\nPossible causes: 8645 LOW Main Board, MIF Module, PPBM, or Toroid Power\n\nSupply.->\n\nStandby Vctrl=1 AVin=0		<myhost,svr,log>
2239333	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nXFTEMP_L exceeded Max Temp change.\n\nMeasured Delta=%6.3fC, Maximum Delta=%6.3fC.\n\nPossible causes: 8645 LOW Main Board, MIF Module, PPBM, or Toroid\n\nPower Supply.->\n\nReady Vctrl=0 AVin=0		<myhost,svr,log>
2239334	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nV_FILTER had %d failures out of %d. Possible causes: GRAM Module or the\n\nCables between the 8645 Power Modules and the GRAM.->\n\nStandby Vctrl=1 AVin=0		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239335	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nV_FILT had %d failures out of %d. Possible causes: GASM Board or the\n\nGRAM Module.->\n\nReady Vctrl=1 AVin=1		<myhost,svr,log>
2239336	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nVREG_F had %d failures out of %d. Possible cause: GRAM Module.->\n\nStandby Vctrl=1 AVin=0		<myhost,svr,log>
2239337	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nV_CTRL had %d failures out of %d. Possible cause: GRAM Module.->\n\nStandby Vctrl=1 AVin=0		<myhost,svr,log>
2239338	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nV_CTRL had %d failures out of %d. Possible causes: MIF Module, GRAM\n\nModule, GASM Board, cable between MIF & GRAM, GRAM Tuning Board, or\n\nthe GRAM Tuning Board connector.->\n\nReady Vctrl=1 AVin=1		<myhost,svr,log>
2239339	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nDAC_DI had %d failures out of %d. DAC_DI out of adjustment. Perform the\n\nDAC_DI Offset Adjustment Procedure, or replace the GRAM Tuning Board or\n\nGRAM Module.->\n\nStandby Vctrl=1 AVin=0		<myhost,svr,log>
2239340	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nI_ERROR had %d failures out of %d. Possible causes: GRAM Module\n\nor the GASM Board.->\n\nReady Vctrl=1 AVin=1		<myhost,svr,log>
2239341	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nI_GRAD had %d failures out of %d. Possible causes: Cable between MIF & GRAM,\n\nHSSD cable between GAP & MIF, GRAM Module, MIF Module, or GAP Module.->\n\nStandby Vctrl=1 AVin=0		<myhost,svr,log>
2239342	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nI_GRAD had %d failures out of %d. Possible causes: Cable between MIF & GRAM,\n\nHSSD cable between GAP & MIF, GRAM Module, MIF Module, or GAP Module.->\n\nReady Vctrl=1 AVin=1		<myhost,svr,log>
2239343	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nI_COIL had %d failures out of %d. Possible causes: GRAM Module, Epoxy\n\nFilled Gradient Coil, Gradient Filter Box, or Output Cables.->\n\nReady Vctrl=1 AVin=0		<myhost,svr,log>
2239344	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nI_COIL had %d failures out of %d. Possible causes: HI Current Shunt,\n\n8645 HI Main Board, Output Shelf, GRAM, MIF, Epoxy Filled Grad Coil,\n\nGrad Filter Box, or Output Cables.->\n\nReady Vctrl=1 AVin=0		<myhost,svr,log>
2239345	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nI_COIL had %d failures out of %d. Possible causes: HIGH Power Module\n\nCurrent Shunt, 8645 HIGH Main Board, Output Shelf, or MIF Module.->\n\nReady Vctrl=1 AVin=0		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239346	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nI_COIL had %d failures out of %d. Possible causes: GRAM Module or\n\nthe GASM Board.->\n\nReady Vctrl=1 AVin=1		<myhost,svr,log>
2239347	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nVBUS +HI had %d failures out of %d. Possible cause: GRAM Module.\n\nStandby Vctrl=1 AVin=0		<myhost,svr,log>
2239348	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nVBUS +LO had %d failures out of %d. Possible cause: GRAM Module.\n\nStandby Vctrl=1 AVin=0		<myhost,svr,log>
2239349	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nVBUS -HI had %d failures out of %d. Possible cause: GRAM Module.\n\nStandby Vctrl=1 AVin=0		<myhost,svr,log>
2239350	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nVBUS -LO had %d failures out of %d. Possible cause: GRAM Module.\n\nStandby Vctrl=1 AVin=0		<myhost,svr,log>
2239351	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nVBUS_DIAG had %d failures out of %d. Possible cause: GRAM Module.\n\nStandby Vctrl=1 AVin=0		<myhost,svr,log>
2239352	GRADIENT DRIVER TESTS - Static Test Failed.\n\nAn associated IOUT_H tolerance is set to 0.0 and will cause\n\na Divide-by-Zero Error in the software. Please reset this value in\n\n/w/config/gdt_tolerances.cfg and run test again.->\n\nReady Vctrl=1 AVin=0		<myhost,svr,log>
2239353	GRADIENT DRIVER TESTS - Static Test Failed.\n\nAn associated V_FILT tolerance is set to 0.0 and will cause\n\na Divide-by-Zero Error in the software. Please reset this value in\n\n/w/config/gdt_tolerances.cfg and run test again.->\n\nReady Vctrl=1 AVin=1		<myhost,svr,log>
2239374	GRADIENT DRIVER TESTS - Dynamic Tests will not be executed on the %c Axis.\n\nCheck previous error messages.		<myhost,svr,log>
2239375	GRADIENT DRIVER TESTS - Dynamic Test MIF %c Axis Configuration Error.\n\nRequired: Current Sum=0, Low-side Invert=1, Serv Mode=0, Manual Ena=0.\n\nCurrent: Current Sum=%d, Low-side Invert=%d, Serv Mode=%d, Manual Ena=%d.\n\nNo tests will be run on this axis.->		<myhost,svr,log>
2239376	GRADIENT DRIVER TESTS - %b Test GRAM %c Axis Freewheel Setup Error.\n\nSoftware failed to take the GRAM out of Freewheel Mode. To test this axis,\n\nreplace the GRAM and run test again.->		<myhost,svr,log>
2239377	GRADIENT DRIVER TESTS - Internal GAP software error.\n\nInvalid selection for sample points.\n\nNumber Pts Selected: %d\n\nSPI software specified an undefined mode in a MDS packet. If the\n\nMDS link connection is good, this is a software bug; write a CQA.->		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239378	GRADIENT DRIVER TESTS - Internal GAP software error.\n\nInvalid selection for number of rise points.\n\nRise Pts Selected: %d\n\nSPI software specified an undefined mode in a MDS packet. If\n\nMDS link connection is good, this is a software bug; write a CQA.->		<myhost,svr,log>
2239379	GRADIENT DRIVER TESTS - Internal GAP software error.\n\nInvalid selection for plateau points.\n\nPlateau Pts Selected: %d\n\nSPI software specified an undefined mode in a MDS packet. If the\n\nMDS link connection is good, this is a software bug; write a CQA.->		<myhost,svr,log>
2239380	GRADIENT DRIVER TESTS - Internal GAP software error.\n\nInvalid selection for offset VBUS points.\n\nVBUS Offset Selected: %d\n\nSPI software specified an undefined mode in a MDS packet. If\n\nMDS link connection is good, this is a software bug; write a CQA.->		<myhost,svr,log>
2239381	GRADIENT DRIVER TESTS - Internal GAP software error.\n\nInvalid selection for start offset.\n\nOffset Start Selected: %d\n\nSPI software specified an undefined mode in a MDS packet. If the\n\nMDS link connection is good, this is a software bug; write a CQA.->		<myhost,svr,log>
2239394	0 to positive plateau		<myhost,svr,log>
2239395	positive plateau to negative plateau		<myhost,svr,log>
2239396	negative plateau to positive plateau		<myhost,svr,log>
2239397	positive plateau to 0		<myhost,svr,log>
2239398	0 to negative plateau		<myhost,svr,log>
2239399	negative plateau to 0		<myhost,svr,log>
2239400	No text. Message removed.		<myhost,svr,log>
2239401	GRADIENT DRIVER TESTS - Dynamic Test failed on %c Axis.\n\nVDAC data does not follow the input waveform.\n\nPossible causes: GRAM to MIF Cable, MIF Module, or the\n\nGRAM Module.		<myhost,svr,log>
2239402	GRADIENT DRIVER TESTS - Dynamic Test failed on %c Axis.\n\nVOUT_H data does not follow the input waveform.\n\nPossible causes: MIF Module, or HI Power Module FRUs (Main\n\nBd, Output Shelf, or PPBM).		<myhost,svr,log>
2239403	GRADIENT DRIVER TESTS - Dynamic Test failed on %c Axis.\n\nICOIL data does not follow the input waveform.\n\nPossible causes: GRAM Module.		<myhost,svr,log>
2239404	GRADIENT DRIVER TESTS - Dynamic Test failed on %c Axis.\n\nIGRAD_DEL data does not follow the input waveform.\n\nPossible causes: GASM, IPG, HSSD Fiber Optic Links, or GAP\n\nModule.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239405	GRADIENT DRIVER TESTS - Dynamic Test failed on %c Axis.\n ITOT data does not follow the input waveform.\n Possible causes: MIF Module, HI Main Board, or HI Output\n Shelf.		<myhost,svr,log>
2239406	GRADIENT DRIVER TESTS - Dynamic Test failed on %c Axis.\n VDAC_DEL data does not follow input waveform.\n Possible causes: ASM, IPG, HSSD Fiber Optic Links, GAP\n Module, or MIF Module.		<myhost,svr,log>
2239407	GRADIENT DRIVER TESTS - Dynamic Test failed on %c Axis.\n VDAC & VOUT_H did not match within tolerances %d out of %d\n samples. Worst case delta=%6.3fV Possible causes: HI Main\n Board, MIF Module, Output Shelf, PPBM, or GRAM Module.		<myhost,svr,log>
2239408	GRADIENT DRIVER TESTS - Dynamic Test failed on %c Axis.\n IGRAD_DEL data would cause a Divide By Zero error if analyzed.\n The positive and negative peaks are the same value.\n Possible causes: GASM, IPG, HSSD Fiber Optic Links, or GAP.		<myhost,svr,log>
2239409	GRADIENT DRIVER TESTS - Dynamic Test failed on %c Axis.\n ICOIL & IGRAD_DEL did not settle to +/-%6.3fA in\n %6.3fusec on the %b\n transition. Actual=%6.3fusec.\n Possible causes: Please see the following error messages.->		<myhost,svr,log>
2239410	GRADIENT DRIVER TESTS - Dynamic Test failed on %c Axis.\n VDAC_DEL data would cause a Divide By Zero error if analyzed.\n The positive and negative peaks are the same value.\n Possible causes: ASM, MIF Module, IPG, HSSD Fiber Optic Links,\n or GAP.		<myhost,svr,log>
2239411	GRADIENT DRIVER TESTS - Dynamic Test failed on %c Axis.\n ITOT & VDAC_DEL did not settle to +/-%6.3fA in\n %6.3fusec on the %b\n transition. Actual=%6.3fusec. Possible causes: Power\n Module FRUs, MIF Module, or Load.->		<myhost,svr,log>
2239412	GRADIENT DRIVER TESTS - Dynamic Test Failed.\n The ICOIL_IGRADDEL_SETTLE_TIME tolerance is set to zero or a\n negative value in /w/config/gdt_tolerances.cfg. Please reset\n this value and run test again.		<myhost,svr,log>
2239413	GRADIENT DRIVER TESTS - Dynamic Test Failed.\n The ITOT_VDACDEL_SETTLE_TIME tolerance is set to zero or a\n negative value in /w/config/gdt_tolerances.cfg. Please reset\n this value and run test again.		<myhost,svr,log>
2239414	GRADIENT DRIVER DYNAMIC TESTS\n If Actual Settling Time > %6.3fusec with Eddy Comp disabled, or\n if Actual Settling Time > %6.3fusec with Eddy Comp enabled,\n Possible causes: GRAM or Tuning Bd, GRAM Tuning, Power Module\n FRUs, MIF, or Load.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239415	GRADIENT DRIVER DYNAMIC TESTS\n If %6.3fusec < Actual Settling Time < %6.3fusec, retry with\n Eddy Comp disabled. Please refer to the Grafidy procedure on\n CDROM to disable Eddy Current Compensation.		<myhost,svr,log>
2239424	GRADIENT DRIVER TESTS - Digital Tune Test MIF %c Axis Config Error.\n Required: Current Sum=0, Low-side Invert=1, Serv Mode=0, Manual Ena=0.\n Current: Current Sum=%d, Low-side Invert=%d, Serv Mode=%d, Manual Ena=%d.\n No tests will be run on this axis.->		<myhost,svr,log>
2239425	GRADIENT DRIVER TESTS - Digital Tune Test failed on %c Axis.\n IGRAD data does not follow the input waveform.\n Possible causes: GASM, GRAM Module, GAP Module, or cables between\n GAP and GRAM.->		<myhost,svr,log>
2239426	GRADIENT DRIVER TESTS\n GAP was unsuccessful accessing X Axis Digital Tuning Bd.\n Check X Axis Digital Tune Bd cables. If there is no GRAM,\n or all GRAMs have Analog Tune Bds, change digiTuningBoard to `no`\n in the MRconfig.cfg file and reset TPS.->		<svr,myhost,log>
2239427	GRADIENT DRIVER TESTS\n GAP was unsuccessful accessing Y Axis Digital Tuning Bd.\n Check Y Axis Digital Tune Bd cables. If there is no GRAM,\n or all GRAMs have Analog Tune Bds, change digiTuningBoard to `no`\n in the MRconfig.cfg file and reset TPS.->		<svr,myhost,log>
2239428	GRADIENT DRIVER TESTS\n GAP was unsuccessful accessing Z Axis Digital Tuning Bd.\n Check Z Axis Digital Tune Bd cables. If there is no GRAM,\n or all GRAMs have Analog Tune Bds, change digiTuningBoard to `no`\n in the MRconfig.cfg file and reset TPS.->		<svr,myhost,log>
2239429	GRADIENT DRIVER TESTS\n GAP was unsuccessful communicating with the X Axis Digital Tuning\n Board. Possible causes are failed Digital Tuning Board, GRAM Control Board\n or Connectors. After checking connections, please reset TPS.->		<svr,myhost,log>
2239430	GRADIENT DRIVER TESTS\n GAP was unsuccessful communicating with the Y Axis Digital Tuning\n Board. Possible causes are failed Digital Tuning Board, GRAM Control Board\n or Connectors. After checking connections, please reset TPS.->		<svr,myhost,log>
2239431	GRADIENT DRIVER TESTS\n GAP was unsuccessful communicating with the Z Axis Digital Tuning\n Board. Possible causes are failed Digital Tuning Board, GRAM Control Board\n or Connectors. After checking connections, please reset TPS.->		<svr,myhost,log>
2239432	GRADIENT DRIVER TESTS - Digital Tune Test failed on %c Axis.\n 1 case out of %d failed: time constant=Tau_%d. Possible causes:\n Digital Tuning Board.->		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239433	GRADIENT DRIVER TESTS - Digital Tune Test failed on %c Axis.\n %d cases out of %d failed. Largest time constant= Tau_ %d. Possible\n causes: GRAM to Digital Tuning Board cables, GRAM Module, GASM,\n or Digital Tuning Board.->		<myhost,svr,log>
2239434	Internal GAP software error. Test case number is not between %d and %d.\n Case Selected: %d\n If the GAP software is running okay ( the GAP Board LED is blinking with\n a period of 5 seconds ), then this is a software bug; write a CQA.		<myhost,svr,log>
2239435	GRADIENT DRIVER TESTS - Digital Tune Test failed on %c Axis.\n I_GRAD Offset out of range.\n Actual=%5.3fA; Limits=+/-%5.3fA.\n Possible causes: GRAM or Digital Tuning Bd.->		<myhost,svr,log>
2239436	GRADIENT DRIVER TESTS - Digital Tune Test failed on %c Axis.\n I_GRAD Gain out of range.\n Actual=%5.3fA; Limits=%4.2f to %4.2fA.\n Causes: GRAM or Digital Tuning Bd.->		<myhost,svr,log>
2239454	GRADIENT DRIVER TESTS - LCoil Adjustment MIF %c Axis Config Error.\n Required: Current Sum=0, Low-side Invert=1, Serv Mode=0, Manual Ena=0.\n Current: Current Sum=%d, Low-side Invert=%d, Serv Mode=%d, Manual Ena=%d.\n No tests will be run on this axis.->		<myhost,svr,log>
2239455	GRADIENT DRIVER TESTS - Internal GAP software error.\n Invalid selection for LCoil sample points.\n Number Selected: %d\n SPI software specified an undefined mode in a MDS packet. If the\n MDS link connection is good, this is a software bug; write a CQA.->		<myhost,svr,log>
2239456	GRADIENT DRIVER TESTS - Internal GAP software error.\n Invalid selection for number of LCoil rise pts.\n Pts Selected: %d\n SPI software specified an undefined mode in a MDS packet. If the\n MDS link connection is good, this is a software bug; write a CQA.->		<myhost,svr,log>
2239457	GRADIENT DRIVER TESTS - Internal GAP software error.\n Invalid selection for LCoil plateau pts.\n Pts Selected: %d\n SPI software specified an undefined mode in a MDS packet. If the\n MDS link connection is good, this is a software bug; write a CQA.->		<myhost,svr,log>
2239458	GRADIENT DRIVER TESTS - Internal GAP software error.\n Invalid selection for iteration number.\n Iteration Selected: %d\n SPI software specified an undefined mode in a MDS packet. If the\n MDS link connection is good, this is a software bug; write a CQA.->		<myhost,svr,log>
2239459	GRADIENT DRIVER TESTS - LCoil Adjustment %c Axis Config Error.\n Software does not detect a GRAM & Digital Tuning Board which are\n required for this adjustment. No adjustment will be performed.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239460	LCoil Adjustment will not be executed on the %c Axis.\n\nsince a fault was detected. Check previous error messages. To adjust this\n\naxis, clear the fault and run procedure again.->		<myhost,svr,log>
2239461	LCoil Adjustment failed on %c Axis.\n\nI_GRAD data does not follow the input waveform.\n\nPossible causes: Cables between modules, GASM, GRAM Module,\n\nor GAP Module.->		<myhost,svr,log>
2239462	LCoil Adjustment failed on %c Axis.\n\nVCTRL data does not follow the input waveform.\n\nPossible causes: Cables between modules, GASM, GRAM Module,\n\nor GAP Module.->		<myhost,svr,log>
2239463	LCoil Adjustment Results for the %c Axis:\n\nResistance=%5.3f Ohms\n\nVSat= %5.3f Volts\n\nLCoil= %5.3f mH		<myhost,svr,log>
2239464	LCoil Adjustment Error: %c Axis IGRAD_DEL out of range.\n\nActual=%5.3fA; Limits=%4.2f to %4.2fA.\n\nPossible Causes: GRAM Module, MIF Module, or GAP Module.\n\nTry running Gradient Tests.->		<myhost,svr,log>
2239465	LCoil Adjustment V_1_235 Gain Results for the %c Axis:\n\nChannel A Gain=%5.3f\n\nChannel B Gain=%5.3f		<myhost,svr,log>
2239466	LCoil Adjustment Error\n\nGAP was unsuccessful accessing %c Axis Digital Tuning Bd.\n\nCheck Digital Tuning Bd cables.\n\nIf there is no GRAM, or all GRAMs have Analog Tune Bds, change\n\nDigiTuningBoard to 'no' in the MRconfig.cfg file and reset TPS.		<svr,myhost,log>
2239467	LCoil Adjustment failed on %c Axis.\n\nLCoil out of acceptable range.\n\nActual=%5.3fmH; Limits=%5.3f to %5.3fmH.\n\nPossible Causes: 8645 Power Module, GRAM Module, or\n\nEpoxy-filled Gradient Coil.->		<myhost,svr,log>
2239468	LCoil Adjustment failed on %c Axis.\n\nV_FILTER out of range.\n\nActual=%5.3fV; Limits=%5.3f to %5.3fV.\n\nMove Dig Tune Bd Jumper J5 to position 2-3,\n\n& Jumpers J3 & J4 to position 1-2.\n\nCheck Fiber Optic Cables, Dig Tune Bd & GASM.		<myhost,svr,log>
2239469	LCoil Adjustment failed on %c Axis.\n\nV_FILTER out of range.\n\nActual=%5.3fV; Limits=%5.3f to %5.3fV.\n\nPossible Causes: Fiber Optic Cables, GASM, Dig Tune Bd,\n\nor GRAM.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239474	Operator Workspace PC Receive Buffer from Workspace Interface Module (WIM) Overflowed.\n>Please reset TPS. If error is persistent, power cycle WIM and OW PC,\nand then reset TPS. If error continues, run diagnostics.\n\nReceive Buffer Count = %d		<log,myhost,svr>
2239475	Operator Workspace PC Transmit Buffer to Workspace Interface Module (WIM) Overflowed.\n>Please reset TPS. If error is persistent, power cycle WIM and OW PC,\nand then reset TPS. If error continues, run diagnostics.\n\nTransmit Buffer Count = %d		<log,myhost,svr>
2239476	Operator Workspace PC Cardiac Waveform from Workspace Interface Module (WIM) Buffer\nOverflowed. Please reset TPS.\n\nIf error persists, power cycle WIM and PC, and then reset TPS.\n\nIf error continues, run diagnostics.\n\nCardiac Waveform Buffer Count = %d		<log,myhost,svr>
2239477	Operator Workspace PC Respiratory Buffer from Workspace Interface Module\nOverflowed. Please reset TPS.\n\nIf error is persistent, power cycle WIM and OW PC, and then reset TPS.\n\nIf error continues, run diagnostics.\n\nRespiratory Buffer Count = %d		<log,myhost,svr>
2239479	Workspace Interface Module (WIM) - Operator Workspace PC Unknown Opcode.\n\nOW PC received an unknown opcode from WIM.\n\nIf error is persistent, power cycle WIM and OW PC, and then reset TPS.\n\nIf error continues, run diagnostics.\n\nOpcode: 0x%02X		<log,myhost,prg>
2239481	Operator Workspace PC - Workspace Interface Module (WIM) Serial Communication Error.\n\nSerial communication error (e.g. frame error, overrun), signaled by\n\nOW PC UART. Power cycle TPS, OW PC, and WIM and reset TPS.\n\nCOM1+SERIAL_STATUS = 0x%02X		<log,myhost,svr>
2239491	Operator Workspace PC Receive Buffer from Host Overflowed.\n\nPlease reset TPS. If error is persistent, shutdown and boot Host\nand OW PC. If error continues, run diagnostics.\n\nReceive Buffer Count = %d		<log,myhost,svr>
2239492	Operator Workspace PC Transmit Buffer to Host Overflowed.\n\nPlease reset TPS. If error is persistent, shutdown and boot Host\nand OW PC. If error continues, run diagnostics.\n\nTransmit Buffer Count = %d		<log,myhost,svr>
2239494	Host - Operator Workspace PC Unknown Opcode.\n\nOperator Workspace PC received an unknown opcode from Host.\n\nIf error is persistent, shutdown and boot Host and OW PC.\n\nIf error continues, run diagnostics.\n\nOpcode: 0x%02X		<log,myhost,prg>
2239495	Host - Operator Workspace PC Serial Communication Error.\n\nExample frame or overrun error, signaled by OW PC UART. Please\nshutdown boot Host and Workspace PC. If error continues run diagnostics.\n\nCOM2+SERIAL_STATUS = 0x%02X		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239496	Operator Workspace PC cannot create and/or write a new executable.\n Please boot OW PC. If error is persistent, reload software\n on the OW PC.		<log,myhost,prg>
2239497	Operator Workspace PC failed to write/read data in service key.\n If key NOT present or just removed, IGNORE this error.\n If present, check connection between OW PC and key.\n Error persists: 1) Reboot the OW PC 2) Try a different service key.		<log,myhost,svr>
2239498	Operator Workspace PC - Host Response Timeout.\n Host response/acknowledgement to a Workspace PC packet timed out.\n Please shutdown and boot Host and OW PC.\n If error continues, run diagnostics.\n Timer number: %d		<log,myhost,svr>
2239499	Operator Workspace PC Histogram Buffer from Workspace Interface Module Overflowed.\n Please reset TPS. If error is persistent, power cycle WIM and OW PC,\n and then reset TPS. If error continues, run diagnostics.\n Histogram Buffer Count = %d		<log,myhost,svr>
2239500	Operator Workspace PC detected an invalid service key.\n Service key type detected: %d ( 1 = IN-HOUSE Key, 2 = FE Key )\n Reseat key and power cycle Workspace PC. If error is persistent,\n contact service for a new key.		<log,myhost,opr>
2239501	Operator Workspace PC detected an IN-HOUSE service key, that is not configured\n for this site. Site ID detected: %2d%2d%2d%2d%\n Reseat key and power cycle Workspace PC. If error is persistent,\n contact service for a new key.		<log,myhost,opr>
2239502	Operator Workspace PC - Packet checksum received from WIM did not match OW PC\n computed checksum. Possible Serial communication error (e.g. buffer out of sync),\n Power cycle TPS, OW PC, and Workspace, Interface Module and reset TPS.\n Opcode = 0x%02X		<log,myhost,svr>
2239790	Gradient amplifier recovery in progress.		<pri6,myhost,opr>
2239791	Gradient amplifier(s) did not go to ready or standby.		<pri7,myhost,opr>
2239848	IPG received an undefined error from the System Control Assembly (SCA)\n in the Gradient Subsystem. Check the MDS communication link and verify\n no errors are reported on the front of the SCA.		<log,myhost,prg>
2239849	Gradient Subsystem Clock Loss.\n Verify the clock cable between the TYME II card the and the Gradient\n Subsystem.		<log,myhost,opr>
2239850	GRADIENT CONFIGURATION ERROR.\n Gradient Subsystem is set up to communicate in a Contour System.\n Change the configuration to SYS G on the Menu Display\n on front of the Power Supply Unit. Save the setting by\n selecting SAVE and pressing EXEC .		<log,myhost,opr>
2239851	GRADIENT CONFIGURATION ERROR.\n The Gradient Subsystem is in Local Mode and cannot be controlled\n by IPG. Change the LOC/REM switch on the front of the Power\n Supply Unit to REM .		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2239852	The Gradient Subsystem indicates an error with the Power Supply Unit\n but the error reported is not defined. Verify MDS Communication Link\n and check the System Control Assembly front panel display for errors.\n Error code: 0x%02X		<log,myhost,opr>
2239853	Gradient Subsystem indicates a Gradient Amplifier fault,\n but the error is not defined. Verify MDS Communication Link Cable.\n Check System Control Assembly front panel display for errors.\n Axis: %01X (0-X Axis, 1-Y Axis, 2-Z Axis)\n Error code: 0x%02X		<log,myhost,opr>
2239854	The Gradient Subsystem indicates an error with the System Control Assembly\n CPU, but the error is not defined. Verify MDS Communication Link Cable.\n Check System Control Assembly front panel display for errors.\n Error code: 0x%02X		<log,myhost,opr>
2239855	The Gradient Subsystem indicates an error with the MDS Communication,\n but the error is not defined. Verify MDS Communication Link Cable.\n Check System Control Assembly front panel display for errors.\n Error code: 0x%02X		<log,myhost,opr>
2239856	The Gradient Subsystem indicates an error with the System Control Assembly CPU\n or MDS communication but does not specify the error.\n Verify MDS Communication Link Cable.\n Check System Control Assembly front panel display for errors.		<log,myhost,opr>
2239857	The Gradient Subsystem load compensation is not correct for this system.\n Possible MDS communication link problem or Gradient Subsystem may be\n in local mode.\n Axis: %01X (0 - X Axis, 1 - Y Axis, 2 - Z Axis)\n Load Comp: %01X\n Expected Load Comp: %01X		<log,myhost,opr>
2239858	The PSD requested an invalid control of the Gradient Subsystem.\n This is most likely a PSD problem.		<log,myhost,opr>
2240234	X Axis Gradient Amplifier Fault.\n No auxiliary voltage present.\n The +15V, -15V or +5V power supply voltage is not present.\n Please check the LED on the Power Supply Unit (PSU), power cable\n from PSU and amplifier bus data cable to X Gradient Amplifier.		<log,myhost,opr>
2240235	X Axis Gradient Amplifier Fault.\n The load compensation value is set to 1 and the Gradient\n Amplifier is indicating that this is a fault.\n This is an invalid state. Check for a MDS communication link error or\n bad amplifier bus ribbon cable.		<log,myhost,opr>
2240236	X Axis Gradient Amplifier Fault.\n The load compensation value is set to 2 and the Gradient\n Amplifier is indicating that this is a fault.\n This is an invalid state. Check for a MDS communication link error or\n bad amplifier bus ribbon cable.		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2240237	X Axis Gradient Amplifier Fault.\n\nThe load compensation value is set to 3 and the Gradient\n\nAmplifier is indicating that this is a fault.\n\nThis is an invalid state. Check for a MDS communication link error or\n\nbad amplifier bus ribbon cable.		<log,myhost,opr>
2240238	X Axis Gradient Amplifier Fault.\n\nThe load compensation value is set to 4 and the Gradient\n\nAmplifier is indicating that this is a fault.\n\nThis is an invalid state. Check for a MDS communication link error or\n\nbad amplifier bus ribbon cable.		<log,myhost,opr>
2240239	X Axis Gradient Amplifier Status.\n\nThe auxiliary voltage is present but the high voltage is off.\n\nVerify the REM/LOC switch on front panel of the System Control\n\nAssembly (SCA) in the Gradient Subsystem is set to REM .		<log,myhost,prg>
2240240	X Gradient Amplifier Status.\n\nThe Gradient Amplifier is configured, but the high voltage is not present.\n\nThe amplifier is powering on.\n\nVerify the REM/LOC switch on the System Control Assembly front\n\npanel in the Gradient Subsystem is set to REM .		<log,myhost,prg>
2240241	X Axis Gradient Amplifier Status.\n\nThe Gradient Amplifier is bypassed. This is an invalid error\n\nstate. Internal software error.		<log,myhost,opr>
2240242	X Axis Gradient Amplifier Fault.\n\nIPG received an unknown status 0x08 from the Gradient Subsystem.\n\nVerify no errors are reported on the front of the System Control Assembly.\n\nPossible causes: MDS link or faulty amplifier bus ribbon cable.		<log,myhost,opr>
2240243	X Gradient Amplifier Fault.\n\nGradient amplifier fault, over current or clock loss internal to\n\nGradient Subsystem (GS). Disconnect X amp bus cable and power on\n\nGS in local mode. If GS turns on, replace X Gradient Amp;\n\nelse, check amp bus cable or SCA.		<log,myhost,opr>
2240244	X Axis Gradient Amplifier Status.\n\nThe high voltage is on but the Gradient Amplifier is not\n\nconfigured and not ready.\n\nVerify the REM/LOC switch on the front panel of System Control Assembly\n\nin the Gradient Subsystem is set to REM .		<log,myhost,prg>
2240245	X Gradient Amplifier Fault.\n\nGradient Amp heat sink over temperature.\n\nPlease wait 5 to 15 minutes for Gradient Subsystem to cool down.\n\nPossible causes: blocked air flow or fan(s) not operating.\n\nIf no fans are operating, check Auxiliary Power Supply.		<log,myhost,opr>
2240246	X Axis Gradient Amplifier Fault.\n\nThe high voltage is not present.\n\nCheck the high voltage cable between the Power Supply Unit and the\n\nX Axis Gradient Amplifier.		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2240247	X Axis Gradient Amplifier Fault.\n\nIPG received an unknown status 0x13 from the Gradient Subsystem.\n\nVerify no errors are reported on the front of the System Control Assembly.\n\nPossible causes: MDS link or faulty amplifier bus ribbon cable.		<log,myhost,opr>
2240248	X Axis Gradient Amplifier Fault.\n\nIPG received an unknown status 0x14 from the Gradient Subsystem.\n\nVerify no errors are reported on the front of the System Control Assembly.\n\nPossible causes: MDS link or faulty amplifier bus ribbon cable.		<log,myhost,opr>
2240249	X Axis Gradient Amplifier Fault.\n\nRMS current overload.\n\nPossible causes: PSD is exceeding the limits of the Gradient Subsystem\n\nor faulty High Speed Serial Data (fiberoptic) cables.\n\nPlease Reset TPS to recover the Gradient Subsystem.		<log,myhost,opr>
2240250	Y Axis Gradient Amplifier Fault.\n\nNo auxiliary voltage present.\n\nThe +15V, -15V or +5V power supply voltage is not present.\n\nPlease check the LED on the Power Supply Unit (PSU), power cable\n\nfrom PSU and amplifier bus data cable to Y Gradient Amplifier.		<log,myhost,opr>
2240251	Y Axis Gradient Amplifier Fault.\n\nThe load compensation value is set to 1 and the Gradient\n\nAmplifier is indicating that this is a fault.\n\nThis is an invalid state. Check for a MDS communication link error or\n\nbad amplifier bus ribbon cable.		<log,myhost,opr>
2240252	Y Axis Gradient Amplifier Fault.\n\nThe load compensation value is set to 2 and the Gradient\n\nAmplifier is indicating that this is a fault.\n\nThis is an invalid state. Check for a MDS communication link error or\n\nbad amplifier bus ribbon cable.		<log,myhost,opr>
2240253	Y Axis Gradient Amplifier Fault.\n\nThe load compensation value is set to 3 and the Gradient\n\nAmplifier is indicating that this is a fault.\n\nThis is an invalid state. Check for a MDS communication link error or\n\nbad amplifier bus ribbon cable.		<log,myhost,opr>
2240254	Y Axis Gradient Amplifier Fault.\n\nThe load compensation value is set to 4 and the Gradient\n\nAmplifier is indicating that this is a fault.\n\nThis is an invalid state. Check for a MDS communication link error or\n\nbad amplifier bus ribbon cable.		<log,myhost,opr>
2240255	Y Axis Gradient Amplifier Status.\n\nThe auxiliary voltage is present but the high voltage is off.\n\nVerify the REM/LOC switch on front panel of the System Control\n\nAssembly (SCA) in the Gradient Subsystem is set to REM .		<log,myhost,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2240256	Y Gradient Amplifier Status.\n\ The Gradient Amplifier is configured, but the high voltage is not present.\n\ The amplifier is powering on.\n\ Verify the REM/LOC switch on the System Control Assembly front\n\ panel in the Gradient Subsystem is set to REM .		<log,myhost,prg>
2240257	Y Axis Gradient Amplifier Status.\n\ The Gradient Amplifier is bypassed. This is an invalid error\n\ state. Internal software error.		<log,myhost,opr>
2240258	Y Axis Gradient Amplifier Fault.\n\ IPG received an unknown status 0x08 from the Gradient Subsystem.\n\ Verify no errors are reported on the front of the System Control Assembly.\n\ Possible causes: MDS link or faulty amplifier bus ribbon cable.		<log,myhost,opr>
2240259	Y Gradient Amplifier Fault.\n\ Gradient amplifier fault, over current or clock loss internal to\n\ Gradient Subsystem (GS). Disconnect Y amp bus cable and power on\n\ GS in local mode. If GS turns on, replace Y Gradient Amp;\n\ else, check amp bus cable or SCA.		<log,myhost,opr>
2240260	Y Axis Gradient Amplifier Status.\n\ The high voltage is on but the Gradient Amplifier is not\n\ configured and not ready.\n\ Verify the REM/LOC switch on the front panel of System Control Assembly\n\ in the Gradient Subsystem is set to REM .		<log,myhost,prg>
2240261	Y Gradient Amplifier Fault.\n\ Gradient Amp heat sink over temperature.\n\ Please wait 5 to 15 minutes for Gradient Subsystem to cool down.\n\ Possible causes: blocked air flow or fan(s) not operating.\n\ If no fans are operating, check Auxiliary Power Supply.		<log,myhost,opr>
2240262	Y Axis Gradient Amplifier Fault.\n\ The high voltage is not present.\n\ Check the high voltage cable between the Power Supply Unit and the\n\ Y Axis Gradient Amplifier.		<log,myhost,opr>
2240263	Y Axis Gradient Amplifier Fault.\n\ IPG received an unknown status 0x13 from the Gradient Subsystem.\n\ Verify no errors are reported on the front of the System Control Assembly.\n\ Possible causes: MDS link or faulty amplifier bus ribbon cable.		<log,myhost,opr>
2240264	Y Axis Gradient Amplifier Fault.\n\ IPG received an unknown status 0x14 from the Gradient Subsystem.\n\ Verify no errors are reported on the front of the System Control Assembly.\n\ Possible causes: MDS link or faulty amplifier bus ribbon cable.		<log,myhost,opr>
2240265	Y Axis Gradient Amplifier Fault.\n\ RMS current overload.\n\ Possible causes: PSD is exceeding the limits of the Gradient Subsystem\n\ or faulty High Speed Serial Data (fiberoptic) cables.\n\ Please Reset TPS to recover the Gradient Subsystem.		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2240266	Z Axis Gradient Amplifier Fault.\n\nNo auxiliary voltage present.\n\nThe +15V, -15V or +5V power supply voltage is not present.\n\nPlease check the LED on the Power Supply Unit (PSU), power cable\n\nfrom PSU and amplifier bus data cable to Z Gradient Amplifier.		<log,myhost,opr>
2240267	Z Axis Gradient Amplifier Fault.\n\nThe load compensation value is set to 1 and the Gradient\n\nAmplifier is indicating that this is a fault.\n\nThis is an invalid state. Check for a MDS communication link error or\n\nbad amplifier bus ribbon cable.		<log,myhost,opr>
2240268	Z Axis Gradient Amplifier Fault.\n\nThe load compensation value is set to 2 and the Gradient\n\nAmplifier is indicating that this is a fault.\n\nThis is an invalid state. Check for a MDS communication link error or\n\nbad amplifier bus ribbon cable.		<log,myhost,opr>
2240269	Z Axis Gradient Amplifier Fault.\n\nThe load compensation value is set to 3 and the Gradient\n\nAmplifier is indicating that this is a fault.\n\nThis is an invalid state. Check for a MDS communication link error or\n\nbad amplifier bus ribbon cable.		<log,myhost,opr>
2240270	Z Axis Gradient Amplifier Fault.\n\nThe load compensation value is set to 4 and the Gradient\n\nAmplifier is indicating that this is a fault.\n\nThis is an invalid state. Check for a MDS communication link error or\n\nbad amplifier bus ribbon cable.		<log,myhost,opr>
2240271	Z Axis Gradient Amplifier Status.\n\nThe auxiliary voltage is present but the high voltage is off.\n\nVerify the REM/LOC switch on front panel of the System Control\n\nAssembly (SCA) in the Gradient Subsystem is set to REM.		<log,myhost,prg>
2240272	Z Gradient Amplifier Status.\n\nThe Gradient Amplifier is configured, but the high voltage is not present.\n\nThe amplifier is powering on.\n\nVerify the REM/LOC switch on the System Control Assembly front\n\npanel in the Gradient Subsystem is set to REM .		<log,myhost,prg>
2240273	Z Axis Gradient Amplifier Status.\n\nThe Gradient Amplifier is bypassed. This is an invalid error\n\nstate. Internal software error.		<log,myhost,opr>
2240274	Z Axis Gradient Amplifier Fault.\n\nIPG received an unknown status 0x08 from the Gradient Subsystem.\n\nVerify no errors are reported on the front of the System Control Assembly.\n\nPossible causes: MDS link or faulty amplifier bus ribbon cable.		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2240275	Z Gradient Amplifier Fault.\n\nGradient amplifier fault, over current or clock loss internal to\n\nGradient Subsystem (GS). Disconnect Z amp bus cable and power on\n\nGS in local mode. If GS turns on, replace Z Gradient Amp;\n\nelse, check amp bus cable or SCA.		<log,myhost,opr>
2240276	Z Axis Gradient Amplifier Status.\n\nThe high voltage is on but the Gradient Amplifier is not\n\nconfigured and not ready.\n\nVerify the REM/LOC switch on the front panel of System Control Assembly\n\nin the Gradient Subsystem is set to REM .		<log,myhost,prg>
2240277	Z Gradient Amplifier Fault.\n\nGradient Amp heat sink over temperature.\n\nPlease wait 5 to 15 minutes for Gradient Subsystem to cool down.\n\nPossible causes: blocked air flow or fan(s) not operating.\n\nIf no fans are operating, check Auxiliary Power Supply.		<log,myhost,opr>
2240278	Z Axis Gradient Amplifier Fault.\n\nThe high voltage is not present.\n\nCheck the high voltage cable between the Power Supply Unit and the\n\nZ Axis Gradient Amplifier.		<log,myhost,opr>
2240279	Z Axis Gradient Amplifier Fault.\n\nIPG received an unknown status 0x13 from the Gradient Subsystem.\n\nVerify no errors are reported on the front of the System Control Assembly.\n\nPossible causes: MDS link or faulty amplifier bus ribbon cable.		<log,myhost,opr>
2240280	Z Axis Gradient Amplifier Fault.\n\nIPG received an unknown status 0x14 from the Gradient Subsystem.\n\nVerify no errors are reported on the front of the System Control Assembly.\n\nPossible causes: MDS link or faulty amplifier bus ribbon cable.		<log,myhost,opr>
2240281	Z Axis Gradient Amplifier Fault.\n\nRMS current overload.\n\nPossible causes: PSD is exceeding the limits of the Gradient Subsystem\n\nor faulty High Speed Serial Data (fiber optic) cables.\n\nPlease Reset TPS to recover the Gradient Subsystem.		<log,myhost,opr>
2240304	Gradient Power Supply Unit Fault.\n\nIf the display on the Gradient Subsystem is blinking an error condition,\n\nthen there is a problem with the Gradient Subsystem; otherwise, if no\n\nfault exists, the MDS communication link should be verified.		<log,myhost,opr>
2240305	Gradient Power Supply Unit Fault.\n\nIf the display on the Gradient Subsystem is blinking an error condition,\n\nthen there is a problem with the Gradient Subsystem; otherwise, if no\n\nfault exists, the MDS communication link should be verified.		<log,myhost,prg>
2240306	Gradient Auxiliary Power Supply Unit (PSU) Cable Fault.\n\nVerify Aux. PSU Cable to each axis on front of\n\nGradient Subsystem is properly connected.\n\nIf any cable is disconnected, a RMS current overload may\n\nalso be logged for each axis as a side effect.		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2240307	Gradient Auxiliary Power Supply Fault.\n An auxiliary power supply fault occurred in the System Control\n Assembly (SCA). Replace the auxiliary power supply.		<log,myhost,opr>
2240308	Gradient Power Supply Unit Fault.\n A high voltage power supply fault occurred on the Power Supply Unit.\n Possible causes: X, Y, or Z axis amplifier has shorted the supply or\n the High Voltage Power Supply has failed.->		<log,myhost,opr>
2240309	Gradient Power Supply Unit Fault.\n High Voltage overload occurred on the Power Supply Unit.\n Possible causes: incorrect PSD waveform or High Speed Serial Data cables.\n If error is persistent, there may be a High Voltage Power Supply failure.		<log,myhost,opr>
2240310	Gradient Power Supply Unit Over Temperature Fault.\n Please wait 5 to 15 minutes for the Gradient Subsystem to cool down.\n Possible causes: blocked air flow or fan(s) not operating.\n If no fans are operating, check the Auxiliary Power Supply.		<log,myhost,opr>
2240311	Gradient Power Supply Unit Fault.\n Loss of AC mains phase fault occurred on the Power Supply Unit.\n Please check the 3 phase power cable between the Gradient Power\n Supply and the Power Distribution Unit (PDU).		<log,myhost,opr>
2240312	Gradient Power Supply Unit (PSU) Bus Cable Fault.\n Please verify the PSU Bus Ribbon Cable on front of the Gradient\n Subsystem is properly connected.		<log,myhost,opr>
2240374	Host to Workspace PC Process Error.\n An unknown request %d to send a packet to the Workspace PC was received.\n This could indicate a possible process intercommunication problem.		<log,myhost,prg>
2240376	Host to Workspace PC Process Error.\n The name of the file to download to the PC is greater than 256 characters.\n Verify the name of the file in the /w/init/hop_server.init.		<log,myhost,svr>
2240377	Host to Workspace PC Process Error.\n Cannot open the boot file %s. Check PC_DOWNLOAD_FILE specification in\n /w/init/hop_server.init and verify file exists.		<log,myhost,svr>
2240379	Host to Workspace PC Process Error.\n A client on the host tried to register for an unsupported event: %d\n with the Host to Workspace PC Process.\n Clients can currently only register for Service Key Status and Reset events.		<log,myhost,prg>
2240380	Host to Workspace PC Communication Error.\n Service key status received from Workspace PC is undefined, %d.\n (0 = no service key detected, 1 = service key detected)		<log,myhost,svr>
2240381	Host to Workspace PC Process Error.\n A client requested an undefined response packet be sent to MrMail, its\n opcode is: %d\n This could indicate a possible process intercommunication problem.		<log,myhost,prg>
2240383	Host to Workspace PC Communication Error.\n The Host sent a packet to the Workspace PC, but did not receive a response\n for the 0x%x opcode from the Workspace PC within the allotted time frame.		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2240387	Host to Workspace PC Process Error.\n The Host failed to open %s.\n Verify %s is readable.		<log,myhost,svr>
2240388	Host to Workspace PC Process Error.\n The host received the expected response from the Workspace PC, but was unable\n to process the response for the opcode %d.		<log,myhost,prg>
2240391	Host to Workspace PC Process Error.\n The environment variable HOP_SERIAL_LINE is not set in\n /w/init/hop_server.init or the file does not exist.		<log,myhost,svr>
2240394	Host to Workspace PC Update.\n The service key expires on year %d month %d day %d.		<log,myhost,opr>
2240395	Host to Workspace PC Communication Error.\n The Host could not open the serial line to the Workspace PC does not open.\n Serial line is %s.\n Verify the permissions on the serial line are set correctly.		<log,myhost,svr>
2240396	Host to Workspace PC Communication Error.\n The Host was unable to read the attributes from the serial line to the\n Workspace PC.\n Serial line is %s.		<log,myhost,svr>
2240397	Host to Workspace PC Communication Error.\n The Host was unable to set the attributes for the serial line to the\n Workspace PC.\n Serial line is %s.		<log,myhost,svr>
2240398	Host to Workspace PC Communication Error.\n The Host is unable to examine the Serial File Id %d to the Workspace PC\n to determine if the Workspace PC has sent any packets.		<log,myhost,svr>
2240399	Host to Workspace PC Communication Error.\n The Host is unable to read the serial line between the Host and the\n Workspace PC.\n Verify the cable connections are okay.		<log,myhost,svr>
2240400	Host - Workspace PC Communication Update.\n PC is not running waveform/scan time display or Host is\n unable to read serial line to PC. If first condition is false,\n check cable connections and shutdown and boot Host and PC.\n If error continues, run diags.		<log,myhost,opr>
2240401	Host - Workspace PC Communication Update.\n PC is not running waveform/scan time display or Host is\n unable to write serial line to PC. If first condition is false\n check cable connections and shutdown and boot Host and PC.\n If error continues, run diags.		<log,myhost,opr>
2240407	Host to Workspace PC Process Error.\n The host was unable to read from the file to be downloaded, %s,\n to the Workspace PC. Verify the file exists and is readable.		<log,myhost,svr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2240408	Host to Workspace PC Process Error.\n The Host was unable to close the serial line to the Workspace PC.\n Serial line is %s.		<log,myhost,svr>
2240409	Host to Workspace PC Process Error.\n The system call to obtain the system id number for the host failed in %s.		<log,myhost,svr>
2240410	Host to Workspace PC Process Error.\n The Host received a unknown opcode from the Workspace PC.\n Verify Host to Workspace PC communication cables. Shutdown and boot\n host and Workspace PC.		<log,myhost,svr>
2240411	Workspace PC Downloading.\b Waveform display software is being downloaded to the Workspace PC\n from the Host. Downloading must complete before waveform and\n scan time display is active.		<pri4,log,myhost,svr>
2240412	Workspace PC Download Failed.\n Download did not complete successfully or Host did not receive\n notification that Workspace PC download is complete. Wait for download\n status to clear on Workspace PC and/or logout and reboot Host.		<log,myhost,svr>
2240574	%s: MrMailMgr initialization failed.\n Make sure the NSP process is running correctly and communication with the TPS is\n working properly. You may want to logout and log back in to restart the applications\n in the proper sequence.		<log,myhost,prg>
2240575	The attempt to build the security key request packet failed.\n Please verify all of the processes required to run the system are\n up and running and the serial connection to the PC is functioning properly.\n The %s process made the check request.		<log,myhost,prg>
2240576	Sending the security key request packet failed. Make sure the applications\n needed to run the system are up and running properly. Please logout\n and log back in to verify the applications are running properly.\n The %s process generated the send request.		<log,myhost,prg>
2240577	%s: Communication timed out.\n While trying to communicate with the security key, the communication timed out.\n Make sure the serial line connection to the PC is correct and functioning properly.		<log,myhost,opr>
2240578	%s: Converting the response packet failed.\n Unable to convert the security key response packet to determine the status of\n the security key. Make sure the connection to the PC is functioning properly.		<log,myhost,prg>
2240579	%s: Request failed.\n The request for the security key status failed. Make sure PC is powered up and \n running wavetime program. Also check the connection to the PC is functioning properly.		<log,myhost,opr>
2240674	Power fault(momentary interruption) occurred, TPS will be reset automatically.		<pri1,log,myhost,opr>
2240675	Power fault(momentary interruption) occurred.		<pri1,log,myhost,opr>
2240676	Reset/Download TPS failed.		<pri1,log,myhost,opr>
2240677	Power failure occurred, the HOST will be shut down automatically.		<pri1,log,myhost,opr>
2240678	Power fault(low voltage or momentary interruption) occurred, TPS will be reset automatically.		<pri1,log,myhost,opr>
2240679	Power fault(low voltage or momentary interruption) occurred.		<pri1,log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2241074	Workspace Interface Module, WIM, failed memory tests or DUART initialization.\n\nPlease Reset TPS. If error is persistent, disconnect and reconnect the\n\npower cable to the WIM.\n\nIf error still exists, replace the WIM.		<log,myhost,prg>
2241075	Hardkey Processor in the keyboard failed initialization request from Workspace\n\nInterface Module.\n\nPlease Reset TPS.\n\n%b		<log,myhost,prg>
2241076	Workspace PC is not available for waveform processing.\n\nClose out all applications on the PC and reboot the Workspace PC for\n\nwaveform processing.		<log,myhost,prg>
2241077	Workspace PC is available for waveform processing.		<log,myhost,prg>
2241078	SPI sent an unknown opcode to Workspace Interface Module. Opcode=0x%x\n\nFirst, run diagnostics to test SPI to Workspace Interface Module Communication.\n\nIf problem persists, check cable connections, power cycle Workspace Interface\n\nModule & Reset TPS.		<log,myhost,prg>
2241079	Workspace Interface Module received a bad opcode from Workspace PC over serial\n\nlink. Opcode = 0x%x.\n\n%b		<log,myhost,prg>
2241080	Workspace Interface Module received a bad opcode from Hardkey Processor in\n\nkeyboard over serial link.\n\nOpcode = 0x%x.\n\n%b		<log,myhost,prg>
2241081	SPI did not send a response to Workspace Interface Module over serial link.\n\nFirst, run diagnostics to test SPI to Workspace Interface Module Communication.\n\nIf error persists, check cable connections, power cycle Workspace Interface\n\nModule & Reset TPS.		<log,myhost,prg>
2241082	Workspace Interface Module did not receive a response packet from Workspace\n\nPC over serial link.\n\n%b		<log,myhost,prg>
2241083	Workspace Interface Module did not receive a response packet from Hardkey\n\nProcessor in keyboard over serial link.\n\n%b		<log,myhost,prg>
2241084	Serial link error between Workspace Interface Module and SPI.\n\nFirst, run diagnostics to test SPI to Workspace Interface Module Communication.\n\nIf error persists, check cable connections, power cycle Workspace Interface\n\nModule and Reset TPS.		<log,myhost,prg>
2241085	Serial link error between Workspace Interface Module and Workspace PC.\n\n%b		<log,myhost,prg>
2241086	Serial link error between Workspace Interface Module and Hardkey Processor in\n\nkeyboard.\n\n%b		<log,myhost,prg>
2241087	Serial link error between Workspace Interface Module and Debug Terminal.\n\nIf you see this in the field, and the communication paths to the Workspace\n\nInterface Module are functioning properly, write a CQA.		<log,myhost,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2241088	Workspace Interface Module to Workspace PC loopback test failed.\n The Workspace PC must be running the waveform display program for this\n test to pass.\n Check cable connections, power cycle Workspace Interface Module and reboot\n Workspace PC.		<log,myhost,prg>
2241089	Emergency Stop Key Pressed.		<pri3,myhost,prg>
2241090	If error persists, disconnect and reconnect power cable to Workspace Interface\n Module and verify cable connection between keyboard and Workspace Interface Module\n If error still persists, replace keyboard, keyboard cable and Workspace\n Interface Module.		<log,myhost,prg>
2241091	First, run diagnostics to test Workspace Interface Module to Workspace PC\n communication. If error persists, check cable connections, power cycle\n Workspace Interface Module and reboot Workspace PC.		<log,myhost,prg>
2241092	First, run diagnostics to test Workspace Interface Module to Hardkey\n Processor, in the keyboard, communication. If error persists, check cable\n connections, and power cycle Workspace Interface Module.		<log,myhost,prg>
2241150	Workspace Interface Module detected a keyboard error.\n Please Reset TPS.\n If error persists, power cycle Workspace Interface Module and check keyboard.\n If error still persists, replace keyboard.		<log,myhost,prg>
2241160	Workspace Interface Module detected a mouse error.\n Please Reset TPS.\n If error persists, power cycle Workspace Interface Module, check keyboard and\n mouse.\n If error still persists, replace mouse and then keyboard and keyboard cable.		<log,myhost,prg>
2241170	IPG BOARD - SPI WIM LPBK ERROR.\n Pattern sent to Workspace Interface Module by SPI was not the same as \n pattern received.\n Channel No.: %d\n Pattern Sent: %08xH\n Pattern Expected: %08xH\n Pattern Read: %08xH\n HW Used: TPS IPG,TYME,WIM,Cables		<srv,myhost,log>
2241171	Opcode received from Workspace Interface Module doesn't match expected opcode\n Channel No.: %d\n Opcode Sent: %08xH\n Opcode Expected: %08xH\n Opcode Read: %08xH\n HW Used: TPS IPG,TYME,WIM,Cables		<srv,myhost,log>
2241172	IPG BOARD - SPI WIM ERROR.\n SPI UART channel connected to Workspace Interface Module timed out. \n UART channel did not get set in the transmit mode in a fixed time period.\n Channel No.: 2		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2241173	IPG BOARD - SPI WIM LOOPBACK ERROR.\n\nNo data was received at the SPI from the WIM. Check that the WIM is\n\nproperly connected and powered up.		<srv,myhost,log>
2241374	Host Recon Status\n\nResume command was received.		<log,myhost,sup>
2241375	Host Recon Status\n\nStop command was received.		<log,myhost,sup>
2241376	Host Recon Status\n\nStop All command was received.		<log,myhost,sup>
2241377	Host Recon Status\n\nTPS is resetting.		<log,myhost,sup>
2241378	Host Recon Error\n\nA unexpected opcode (%d) was received.		<log,myhost,sup>
2241379	Host Recon Error\n\nUnable to initialize MrMail.		<log,myhost,sup>
2241380	Host Recon Error\n\nImage Buffer was initialized twice.		<log,myhost,sup>
2241381	Host Recon Error\n\nRaw Buffer was initialized twice.		<log,myhost,sup>
2241382	Host Recon Error\n\nUnable to create a mail packet.		<log,myhost,sup>
2241383	Host Recon Error\n\nUnable to reply to a mail packet.		<log,myhost,sup>
2241384	Host Recon Error\n\nUnable to send a mail packet.		<log,myhost,sup>
2241385	Host Recon Error\n\nUnable to get bufcontent from a mail packet.		<log,myhost,sup>
2241386	Host Recon Error\n\nshmat() failed.		<log,myhost,sup>
2241387	Host Recon Error\n\nshmctl() failed.		<log,myhost,sup>
2241388	Host Recon Error\n\nshmget() failed.		<log,myhost,sup>
2241389	Host Recon Error\n\nHost Recon timed out waiting for shared memory key response.\n\nCheck if Recon Manager is alive.		<log,myhost,opr>
2241390	Host Recon Error\n\nInvalid Job Req was received.		<log,myhost,sup>
2241391	Host Recon Error\n\nInvalid Pause Req was received.		<log,myhost,sup>
2241392	Host Recon Error\n\nInvalid Resume Req was received.		<log,myhost,sup>
2241393	Host Recon Error\n\nInvalid Clear All Req was received.		<log,myhost,sup>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2241394	Host Recon Error\n\nInvalid job code was received.		<log,myhost,sup>
2241395	Host Recon Error\n\nClear Scan operation failed.		<log,myhost,sup>
2241396	Host Recon Error\n\nUnable to allocate memory.		<log,myhost,sup>
2241397	Host Recon Error\n\nUnable to find Scan or Pass Structure.		<log,myhost,sup>
2241398	Host Recon Error\n\nHost Recon timed out for reading buffer.\n\nbecause shared memory was busy.\n\nBuffer Name = %s Buffer Number = %d		<log,myhost,sup>
2241399	Host Recon was terminated. \n\nPlease see message log and reset the system. \n\nStatus = %d		<pri3,log,myhost,opr>
2241400	Host Recon Error\n\nHost Recon timed out for waiting image store complete.\n\nbecause shared memory was busy.		<log,myhost,sup>
2241401	Host Recon Error\n\nHost Recon timed out for waiting image allocation done.		<log,myhost,sup>
2241402	%s is incompatible with fat water imaging		<log,myhost,sup>
2241403	FFT size was not a power of 2.		<log,myhost,sup>
2241404	cpu_shr_init() failed.		<log,myhost,sup>
2241405	cpu_shr_exit() failed.		<log,myhost,sup>
2241406	cpu_shr_get() failed.		<log,myhost,sup>
2241407	cpu_shr_release() failed.		<log,myhost,sup>
2241408	cpu_shr_relget() failed.		<log,myhost,sup>
2241424	Recon Manager Error\n\nA unexpected opcode (%d) was received.		<log,myhost,opr>
2241425	A Host Recon error occurred. Please see message log.		<pri3,myhost,opr>
2241426	A Host Recon error (%d) received. Please see message log.		<pri3,log,myhost,opr>
2241427	Recon Manager Internal Software Error\n\nUnable to initialize MrMail.		<log,myhost,sup>
2241428	Recon Manager Internal Software Error\n\nRegistration for callback functions was failed.		<log,myhost,sup>
2241429	Recon Manager Error\n\nUnable to initialize the Raw Data Base Manager.\n\nStatus = %d		<log,myhost,sup>
2241430	Recon Manager Internal Software Error\n\nshmctl() failed.		<log,myhost,sup>
2241431	Recon Manager Internal Software Error\n\nshmat() failed.		<log,myhost,sup>
2241432	Recon Manager Internal Software Error\n\nshmget() failed.		<log,myhost,sup>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2241433	Recon Manager Internal Software Error\n\nshmdt() failed.		<log,myhost,sup>
2241434	Recon Manager Internal Software Error\n\nUnable to allocate memory.		<log,myhost,sup>
2241435	Recon Manager Internal Software Error\n\nUnable to reallocate memory.		<log,myhost,sup>
2241436	Recon Manager Internal Software Error\n\nUnable to open specified file.		<log,myhost,sup>
2241437	Recon Manager Internal Software Error\n\nUnable to get status of specified file.		<log,myhost,sup>
2241438	Recon Manager Internal Software Error\n\nUnable to read specified file.		<log,myhost,sup>
2241439	Recon Manager Internal Software Error\n\nUnable to create a mail packet.		<log,myhost,sup>
2241440	Recon Manager Internal Software Error\n\nUnable to send a mail packet.		<log,myhost,sup>
2241441	Recon Manager Internal Software Error\n\nUnable to get shared memory information.		<log,myhost,sup>
2241442	Recon Manager Internal Software Error\n\nUnable to reply a mail packet.		<log,myhost,sup>
2241443	Recon Manager Internal Software Error\n\nUnable to create scan information.		<log,myhost,sup>
2241444	Recon Manager Internal Software Error\n\nUnable to create request information.		<log,myhost,sup>
2241445	Recon Manager Internal Software Error\n\nUnable to create queue.		<log,myhost,sup>
2241446	Recon Manager Internal Software Error\n\nUnable to autoshim. analysis information.		<log,myhost,sup>
2241447	Recon Manager Internal Software Error\n\nClear scan structure was not requested.		<log,myhost,sup>
2241448	Recon Manager Internal Software Error\n\nInvalid job code.		<log,myhost,sup>
2241449	Recon Manager Internal Software Error\n\nUnable to transfer data by tn_read_from().		<log,myhost,sup>
2241450	Recon Manager Error\n\nRecon Manager received invalid scan request.		<log,myhost,sup>
2241451	Recon Manager Error\n\nRecon Manager timed out waiting for Host Recon response.\n\nCheck if Host Recon is alive.		<log,myhost,opr>
2241452	Recon Manager Internal Software Error\n\nAn unexpected response (%d) was received from Host Recon.		<log,myhost,sup>
2241453	Recon Manager was suspended.\n\nPlease see message log and reset the system.		<pri3,log,myhost,opr>
2241454	Recon Manager was terminated.\n\nPlease see message log and reset the system.		<pri3,log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2241455	Images will be lost due to recon failure.		<pri1,log,myhost,opr>
2241474	Internal GIP software error. Number of axis is not between %d and %d.\n Axis Selected: %d\n If you are using a tool like SHMOD or a debugger, you requested\n invalid information. If no tools were being run, there is a bug\n in the software; write a CQA.		<sup,myhost,log>
2241475	Internal GIP software error. Invalid selection for an update mode.\n Update Mode Selected: %d\n SPI software specified an undefined mode in a MDS packet. If the\n MDS link connection is good, this is a software bug; write a CQA.		<sup,myhost,log>
2241476	Internal GIP software error. Invalid MDS opcode.\n Undefined Opcode: %d\n The GIP received an undefined opcode from a SPI MDS packet.\n If GIP and SPI software are from the same tape build and the MDS\n link is good, this is a software bug; write a CQA.		<sup,myhost,log>
2241477	Internal GIP software error. Invalid interrupt.\n Interrupt: %d\n If the GIP software is running okay ( the GIP Board LED is blinking with\n a period of 5 seconds ), then this is a software bug; write a CQA.		<sup,myhost,log>
2241478	Internal GIP software error. Invalid selection for a test point.\n Test Point Selected: %d\n If the GIP software is running okay ( the GIP Board LED is blinking with\n a period of 5 seconds ), then this is a software bug; write a CQA.		<sup,myhost,log>
2241479	Internal GIP software error. Invalid selection for miniGRAM Power\n Supply Level. SPI specified an undefined value in a MDS packet. If the\n MDS link connection is good, this is a software bug; write a CQA.		<sup,myhost,log>
2241504	The GIP is reporting a GPM %c Axis Cable Off Fault.\n Check the cable between the GIP and the GPM.		<srv,myhost,log>
2241505	The GIP is reporting a miniGRAM %c Axis Cable Off Fault.\n Check the cable between the GIP and the miniGRAM.		<srv,myhost,log>
2241506	The GIP is reporting a GPM Power Supply Cable Off Fault.\n Check the cable between the GIP and the GPM Power Supply.		<srv,myhost,log>
2241507	The GIP is reporting a miniGRAM Power Supply Cable Off Fault.\n Check the cable between the GIP and the miniGRAM Power Supply.		<srv,myhost,log>
2241508	The GIP is reporting %c Axis GPM Power Off.\n If all 3 axes are reporting this fault, check the GPM Power Supply\n circuit breakers and cables. Check GPM fuses and the cable between\n the GIP and the GPM.		<srv,myhost,log>
2241509	The GIP is reporting %c Axis miniGRAM Power Off.\n If all 3 axes are reporting this fault, check the miniGRAM Power\n Supply circuit breakers and cables. Check the cable between the GIP\n and the miniGRAM.		<srv,myhost,log>
2241510	The GIP is reporting GPM Power Supply Power Off.\n Check the GPM Power Supply circuit breakers and incoming power.\n Check the cable between the GIP and the GPM Power Supply.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2241511	The GIP is reporting miniGRAM Power Supply Power Off.\n\nCheck the miniGRAM Power Supply circuit breakers and incoming power.\n\nCheck the cable between the GIP and the miniGRAM Power Supply.		<srv,myhost,log>
2241512	Hardware Error - No Gradient Clock.\n\nA gradient clock stop occurred. The GIP stopped receiving the gradient\n\nclock from the IPG. Check the connection between TYME Board and GIP\n\nBoard. Check the IPG, TYME, & GIP Boards. Run fiber optic diagnostics.		<pri7,srv,myhost,log>
2241513	The GIP reported a %c Axis miniGRAM Low Voltage Power Supply Undervoltage\n\nFault. Try swapping the miniGRAM Control Board or the entire miniGRAM\n\naxis to isolate the problem.->		<srv,myhost,log>
2241514	The GIP reported a %c Axis miniGRAM OverCurrent Fault.\n\nTry swapping the miniGRAM Control Board, or the entire miniGRAM axis,\n\nor the miniGRAM Gate Driver Board, or the GPM, or the GIP to isolate\n\nthe problem.->		<srv,myhost,log>
2241515	The GIP reported a %c Axis miniGRAM OverVoltage Fault.\n\nTry swapping the miniGRAM Control Board, or the entire miniGRAM axis,\n\nor the miniGRAM Power Supply to isolate the problem.->		<srv,myhost,log>
2241516	The GIP reported a %c Axis miniGRAM UnderVoltage Fault.\n\nTry swapping the miniGRAM Control Board, or the entire miniGRAM axis,\n\nor the miniGRAM Power Supply to isolate the problem.->		<srv,myhost,log>
2241517	The GIP reported a Transistor Fault on the %c Axis of the GPM.\n\nThis fault could be related to noise.\n\nPossible causes: Cable between the GIP and GPM,\n\n%c Axis GPM Main Board or Output Shelf.->		<srv,myhost,log>
2241518	The GIP reported a GPM Power Supply Fault.\n\nCheck the GPM or the GPM Power Supply.->		<srv,myhost,log>
2241519	The GIP reported a miniGRAM Power Supply Fault.\n\nCheck GRAM Tuning, the miniGRAM, or the miniGRAM Power Supply.->		<srv,myhost,log>
2241520	The GIP reported a %c Axis Current Distortion Fault.\n\nAnother fault reported in the log could be the cause of this fault.\n\nPossible causes: GRAM Tuning, miniGRAM, components of the\n\n%c Axis GPM, GIP, or cables.->		<srv,myhost,log>
2241521	The GIP reported a Shelf Over Temp Fault on the %c Axis of the GPM.\n\nWait for the temperature to cool before trying to scan.\n\nCooling time may be in excess of 5 minutes.\n\nMake sure back door of Gradient Cabinet is closed.->		<srv,myhost,log>
2241522	The GIP reported a PPBM Fault on the %c Axis of the GPM.\n\nThe GPM will recover when the Supply voltage changes to a\n\nsafe range. Possible causes: %c Axis GPM PPBM, Main Board,\n\nOutput Shelf, or the GPM Power Supply.->		<srv,myhost,log>
2241523	The GIP reported a Long Overload Fault on the %c Axis of the GPM.\n\nPossible causes: %c Axis GPM. Try swapping the GPM Axis\n\nconnections to isolate the problem.->		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2241524	The GIP reported a %c Axis miniGRAM Heatsink Over Temp Fault.\n\nWait for the temperature to cool before trying to scan.\n\nCooling time may be in excess of 5 minutes.\n\nMake sure back door of Gradient Cabinet is closed.\n\nCheck miniGRAM Control Bd & miniGRAM.->		<srv,myhost,log>
2241525	The GPM Power Supply failed to go to Ready when commanded, or\n\n came out of Ready. Possible causes: cable between GIP & GPM\n\n Power Supply, the GPM Power Supply, or the GIP.		<srv,myhost,log>
2241526	The miniGRAM Power Supply failed to go to Ready when commanded, or\n\n came out of Ready. Possible causes: cable between GIP & miniGRAM\n\n Power Supply, the miniGRAM Power Supply, or the GIP.		<srv,myhost,log>
2241527	Hardware Error - Gradient data framing error.\b\n\nThe GIP reported a data framing error.\n\nCheck the fiber optic clock cable between the Systems Cabinet and GIP.\n\nCheck the IPG, TYME, and GIP Boards. Run fiber optic diagnostics.->		<pri7,opr,myhost,log>
2241528	X Axis Gradient Overload Occurred.\b\n\nThe X Axis of the GPM has reported an overload. An overload is\n\n the result of the GPM output voltage not following the input command.->		<pri7,opr,myhost,log>
2241529	Y Axis Gradient Overload Occurred.\b\n\nThe Y Axis of the GPM has reported an overload. An overload is\n\n the result of the GPM output voltage not following the input command.->		<pri7,opr,myhost,log>
2241530	Z Axis Gradient Overload Occurred.\b\n\nThe Z Axis of the GPM has reported an overload. An overload is\n\n the result of the GPM output voltage not following the input command.->		<pri7,opr,myhost,log>
2241531	X Axis of the GPM reported a Transistor Junction Over Temp Fault.\b\n\nWait for temp to cool before trying to scan.\n\nCooling time may be in excess of 5 minutes.\n\nGradient back door must be closed.\n\nCheck GRAM Tuning, GPM X Axis Main Bd, PPBM, Output Shf.->		<pri7,opr,myhost,log>
2241532	Y Axis of the GPM reported a Transistor Junction Over Temp Fault.\b\n\nWait for temp to cool before trying to scan.\n\nCooling time may be in excess of 5 minutes.\n\nGradient back door must be closed.\n\nCheck GRAM Tuning, GPM Y Axis Main Bd, PPBM, Output Shf.->		<pri7,opr,myhost,log>
2241533	Z Axis of the GPM reported a Transistor Junction Over Temp Fault.\b\n\nWait for temp to cool before trying to scan.\n\nCooling time may be in excess of 5 minutes.\n\nGradient back door must be closed.\n\nCheck GRAM Tuning, GPM Z Axis Main Bd, PPBM, Output Shf.->		<pri7,opr,myhost,log>
2241534	X Axis Gradient Data Overrange Occurred.\b\n\nThe GIP detected an error in the incoming High Speed Data from the\n\n IPG. Swap fiber optics at the Systems Cabinet. Run fiber optic\n\n diagnostics.->		<pri7,opr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2241535	Y Axis Gradient Data Overrange Occurred.\n\nThe GIP detected an error in the incoming High Speed Data from the\n\nIPG. Swap fiber optics at the Systems Cabinet. Run fiber optic\n\ndiagnostics.->		<pri7,opr,myhost,log>
2241536	Z Axis Gradient Data Overrange Occurred.\n\nThe GIP detected an error in the incoming High Speed Data from the\n\nIPG. Swap fiber optics at the Systems Cabinet. Run fiber optic\n\ndiagnostics.->		<pri7,opr,myhost,log>
2241537	The %c Axis of the GPM failed to go to Ready when commanded.\n\nCheck the cable between the GIP & GPM, and the LED status on the\n\n%c Axis of the GPM. Guarantee that the switch on the GPM is set to\n\nGIP Control. Swap axis GPM Main Bd.->		<srv,myhost,log>
2241538	The %c axis miniGRAM failed to go to Ready when commanded.\n\nCheck the cable between the GIP & miniGRAM, miniGRAM Ctrl Bd,\n\nGIP, and the LED status on the %c Axis miniGRAM.		<srv,myhost,log>
2241539	The %c axis GPM failed to go to Standby when commanded.\n\nCheck the cable between the GIP & GPM, and the LED status on the\n\n%c Axis of the GPM. Guarantee that the switch on the GPM is set to\n\nGIP Control.->		<srv,myhost,log>
2241540	The %c axis miniGRAM failed to go to Standby when commanded.\n\nCheck the cable between the GIP & miniGRAM, miniGRAM, GIP, and\n\nthe LED status on the %c Axis miniGRAM.		<srv,myhost,log>
2241541	X Axis gradient error detected; recovery in progress.		<pri5,opr,myhost>
2241542	Y Axis gradient error detected; recovery in progress.		<pri5,opr,myhost>
2241543	Z Axis gradient error detected; recovery in progress.		<pri5,opr,myhost>
2241544	The gradient system on the %c axis recovered successfully.\n\nThere are no faults at the present time.		<srv,myhost,log>
2241545	The GIP reported a second Long Overload on the %c Axis of the GPM.\n\nPower cycle the main breaker on GPM Power Supply to recover from this\n\ncondition. If this fault occurs again, swap the GPM axis.\n\nRun diagnostics.->		<srv,myhost,log>
2241546	The GIP reported a second Transistor Fault on the %c Axis of the GPM.\n\nPower cycle the main breaker on GPM Power Supply to recover from this\n\ncondition. If this fault occurs again, replace the GPM %c Axis Output\n\nShelf.->		<srv,myhost,log>
2241547	The GIP reported several %c Axis miniGRAM OverVoltage Faults.\n\nPower cycle the main breaker on the miniGRAM Power Supply to recover\n\nfrom this condition. If this fault occurs again, check the miniGRAM\n\nControl Bd, miniGRAM, or miniGRAM Power Supply.		<srv,myhost,log>
2241548	The GIP reported several %c Axis miniGRAM OverCurrent Faults.\n\nPower cycle main breaker on miniGRAM Power Supply to recover\n\nfrom this condition. If this fault occurs again, check miniGRAM\n\nControl Bd, miniGRAM, miniGRAM Gate Driver Bd, GPM, or GIP.		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2241549	The GIP reported several miniGRAM Power Supply Faults.\n\nAfter the miniGRAM Power Supply fault LED turns off, power cycle\n\nmain breaker on Power Supply to recover.\n\nIf this fault occurs again, check GRAM Tuning,\n\nthe miniGRAM, miniGRAM Power Supply.		<srv,myhost,log>
2241550	The GIP reported several GPM Power Supply Faults.\n\nAfter the GPM Power Supply fault LED turns off, power cycle the\n\nmain breaker on Power Supply to recover.\n\nIf this fault occurs again, check the GPM & the GPM Power Supply.\n\nRun Diagnostics.		<srv,myhost,log>
2241551	The GIP reported a PPBM Fault on the %c Axis of the GPM.\n\nThe GPM will recover when the Supply voltage changes to a\n\nsafe range. Possible causes: %c Axis GPM PPBM, Main Board,\n\nOutput Shelf, or the GPM Power Supply.->		<srv,myhost,log>
2241552	The GIP reported several PPBM Faults on the %c Axis of the GPM.\n\nPower cycle the main breaker on the GPM Power Supply to recover\n\nfrom this condition. If this fault occurs again, check the GPM\n\n& the GPM Power Supply.->		<srv,myhost,log>
2241604	Internal GIP software error. Unavailable signal for selection on\n\nADC Multiplexor %d. If this error is seen in the field, please write\n\na CQA.\n\nDesired Multiplexor Signal: %d		<sup,myhost,log>
2241605	PPBM Output Voltage (VRAIL) Monitoring Error.\n\nThe PPBM output voltage has exceeded the allowed range.\n\nPossible causes: GPM axis Main Board, PPBM, Output Shelf, or GIP.\n\nLow: %6.3fV High: %6.3fV Value: %6.3fV Axis: %c Standby/Ready State: %c		<srv,myhost,log>
2241606	GIP -12V is out of range.\n\nCheck GIP Power Supply voltages. If voltages are correct, replace\n\nthe GIP Board.\n\nLow: %6.3fV High: %6.3fV Value: %6.3fV Axis: %c Standby/Ready State: %c		<srv,myhost,log>
2241607	GIP +10V Reference is out of range.\n\nCheck GIP Power Supply voltages. If voltages are correct, replace\n\nthe GIP Board.\n\nLow: %6.3fV High: %6.3fV Value: %6.3fV Axis: %c Standby/Ready State: %c		<srv,myhost,log>
2241608	GIP VCC signal is out of range.\n\nCheck VCC on the GIP front panel. If voltage is correct, replace the\n\nGIP Board. Else, replace the GIP Power Supply.\n\nLow: %6.3fV High: %6.3fV Value: %6.3fV Axis: %c Standby/Ready State: %c		<srv,myhost,log>
2241609	GIP GND is out of range.\n\nReplace the GIP Board.\n\nLow: %6.3fV High: %6.3fV Value: %6.3fV Axis: %c Standby/Ready State: %c		<srv,myhost,log>
2241610	Not used, if seen in the field, please write a CQA.		<sup,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2241611	miniGRAM Heatsink Temperature is out of range.\n\nMake sure back door of Gradient Cabinet is closed.\n\nElse, check miniGRAM Control Bd, the miniGRAM, & GIP.\n\nLow: %6.3fC High: %6.3fC Value: %6.3fC Axis: %c Standby/Ready State: %c		<srv,myhost,log>
2241612	GIP +12V is out of range.\n\nCheck GIP Power Supply voltages. If voltages are correct, replace\n\nthe GIP Board.\n\nLow: %6.3fV High: %6.3fV Value: %6.3fV Axis: %c Standby/Ready State: %c		<srv,myhost,log>
2241613	GIP -10V Reference is out of range.\n\nCheck GIP Power Supply voltages. If voltages are correct, replace\n\nthe GIP Board.\n\nLow: %6.3fV High: %6.3fV Value: %6.3fV Axis: %c Standby/Ready State: %c		<srv,myhost,log>
2241614	GPM Power Supply V_LO Monitoring Error.\n\nCheck GRAM Tuning, GPM Power Supply, incoming power, & GIP.\n\nLow: %6.3fV High: %6.3fV Value: %6.3fV Axis: %c Standby/Ready State: %c		<srv,myhost,log>
2241615	GPM PXTTEMP is out of range.\n\nMake sure Gradient Cabinet back door is closed.\n\nCheck GRAM Tuning, components within GPM on this axis (Main Bd,\n\nPPBM, Output Shelf), & GIP.\n\nLow: %6.3fC High: %6.3fC Value: %6.3fC Axis: %c Standby/Ready State: %c		<srv,myhost,log>
2241616	GIP +15V Supply is out of range.\n\nCheck test point on the GIP front panel. If voltage is correct,\n\nreplace the GIP. Else, replace the GIP Power Supply.\n\nLow: %6.3fV High: %6.3fV Value: %6.3fV Axis: %c Standby/Ready State: %c		<srv,myhost,log>
2241617	miniGRAM Power Supply V_LO Monitoring Error.\n\nCheck GRAM Tuning, miniGRAM Power Supply, the miniGRAM,\n\nincoming power, & GIP.\n\nLow: %6.3fV High: %6.3fV Value: %6.3fV Axis: %c Standby/Ready State: %c		<srv,myhost,log>
2241618	GPM NXTTEMP is out of range.\n\nMake sure Gradient Cabinet back door is closed.\n\nCheck GRAM Tuning, components within GPM on this axis (Main Bd,\n\nPPBM, Output Shelf), & GIP.\n\nLow: %6.3fC High: %6.3fC Value: %6.3fC Axis: %c Standby/Ready State: %c		<srv,myhost,log>
2241619	GIP -15V Supply is out of range.\n\nCheck -15V testpoint on GIP Board. If voltage is correct, replace\n\nthe GIP Board. Else, replace the GIP Power Supply.\n\nLow: %6.3fV High: %6.3fV Value: %6.3fV Axis: %c Standby/Ready State: %c		<srv,myhost,log>
2241644	IPG attempted to command the %c gradient axis to Standby before\n\nsending a GIP_CONFIG packet to the GIP.		<srv,myhost,log>
2241645	IPG attempted to command the %c gradient axis to Ready before\n\nsending a GIP_CONFIG packet to the GIP.		<srv,myhost,log>
2241646	The GIP was unsuccessful loading/verifying miniGRAM digital tuning values for\n\nthe %c Axis. Possible causes: GIP board.		<srv,myhost,log>
2241974	GRADIENT DRIVER TESTS - Power Up Register Pattern Test Failed.\n\nThe GIP %x register has %d errors out of %d. Replace the GIP Board.		<myhost,srv,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2241988	GRADIENT DRIVER TESTS		<myhost,svr,log>
	%b\n		
	%b\n		
2241989	%b		<myhost,svr,log>
	GRADIENT DRIVER TESTS - Internal GIP Software Error.\n		
	The Gradient Driver Tests command word was empty.\n		
	SPI software specified an empty command word in a MDS packet. If the\n		
2241990	MDS link connection is good, this is a software bug; write a CQA.		<myhost,svr,log>
	GRADIENT DRIVER TESTS - %c Axis Power Up Test failures.\n		
	Gradient Driver Tests will not be executed on %c Axis.\n		
	Check previous error messages.\n		
2241991	%b%		<myhost,svr,log>
2241992	Static Standby Mode		<myhost,svr,log>
2241993	Static Ready Mode		<myhost,svr,log>
2241994	Static Ready GRAM Mode		<myhost,svr,log>
2241995	Dynamic Settling Test		<myhost,svr,log>
2241996	Digital Tuning Test		<myhost,svr,log>
2241997	LCoil Adjustment		<myhost,svr,log>
2241998	Static		<myhost,svr,log>
2241999	Dynamic		<myhost,svr,log>
2242000	Digital Tune		<myhost,svr,log>
2242001	LCoil Adjust		<myhost,svr,log>
2242002	DC Offset Adjust		<myhost,svr,log>
2242003	DC Offset Adjust		<myhost,svr,log>
	GRADIENT DRIVER TESTS - %c Axis Configuration Error.\n		
	The GIP is reporting a GPM %c Axis Cable Off Fault.\n		
	Check the cable between the GIP and the GPM.\n		
2242028	%b		<svr,myhost,log>
	GRADIENT DRIVER TESTS - %c Axis Configuration Error.\n		
	The GIP is reporting a miniGRAM %c Axis Cable Off Fault.\n		
	Check the cable between the GIP and the miniGRAM.\n		
2242029	%b		<svr,myhost,log>
	GRADIENT DRIVER TESTS - Configuration Error.\n		
	The GIP is reporting a GPM Power Supply Cable Off Fault.\n		
	Check the cable between the GIP and the GPM Power Supply.\n		
2242030	%b		<svr,myhost,log>
	GRADIENT DRIVER TESTS - Configuration Error.\n		
	The GIP is reporting a miniGRAM Power Supply Cable Off Fault.\n		
	Check the cable between the GIP and the miniGRAM Power Supply.\n		
2242031	%b		<svr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2242032	GRADIENT DRIVER TESTS - %c Axis Configuration Error.\n The GIP is reporting %c Axis GPM Power Off.\n If all 3 axes are reporting this fault, check GPM Power Supply\n circuit breakers & cables. Check GPM fuses & cable between\n GIP & GPM.\n %b		<srv,myhost,log>
2242033	GRADIENT DRIVER TESTS - %c Axis Configuration Error.\n The GIP is reporting %c Axis miniGRAM Power Off.\n If all 3 axes are reporting this fault, check miniGRAM Power\n Supply circuit breakers & cables. Check cable between GIP\n & miniGRAM.\n %b		<srv,myhost,log>
2242034	GRADIENT DRIVER TESTS - Configuration Error.\n The GIP is reporting GPM Power Supply Power Off.\n Check the GPM Power Supply circuit breakers and incoming power.\n Check the cable between the GIP and the GPM Power Supply.\n %b		<srv,myhost,log>
2242035	GRADIENT DRIVER TESTS - Configuration Error.\n The GIP is reporting miniGRAM Power Supply Power Off.\n Check the miniGRAM Power Supply circuit breakers and incoming power.\n Check the cable between the GIP and the miniGRAM Power Supply.\n %b		<srv,myhost,log>
2242036	GRADIENT DRIVER TESTS - %c Axis Fault Occurred.\n The GIP reported a %c Axis miniGRAM Low Voltage Power Supply Undervoltage\n Fault. Try swapping the miniGRAM Control Board or the entire miniGRAM\n axis to isolate the problem.->\n %b		<srv,myhost,log>
2242037	GRADIENT DRIVER TESTS - %c Axis Fault Occurred.\n The GIP reported a %c Axis miniGRAM OverCurrent Fault.\n Try swapping the miniGRAM Control Board, or entire miniGRAM axis,\n or miniGRAM Gate Driver Bd, or GPM, or GIP to isolate->\n problem.\n %b		<srv,myhost,log>
2242038	GRADIENT DRIVER TESTS - %c Axis Fault Occurred.\n The GIP reported a %c Axis miniGRAM OverVoltage Fault.\n Try swapping the miniGRAM Control Board, or the entire miniGRAM axis,\n or the miniGRAM Power Supply to isolate the problem.->\n %b		<srv,myhost,log>
2242039	GRADIENT DRIVER TESTS - %c Axis Fault Occurred.\n The GIP reported a %c Axis miniGRAM UnderVoltage Fault.\n Try swapping the miniGRAM Control Board, or the entire miniGRAM axis,\n or the miniGRAM Power Supply to isolate the problem.->\n %b		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2242040	GRADIANT DRIVER TESTS - %c Axis Fault Occurred.\n The GIP reported a Transistor Fault on the %c Axis of the GPM.\n This fault could be related to noise.\n Possible causes: Cable between the GIP and GPM,\n Axis GPM Main Board or Output Shelf.->\n %b		<srv,myhost,log>
2242041	GRADIANT DRIVER TESTS - Fault Occurred.\n The GIP reported a GPM Power Supply Fault.\n Check the GPM or the GPM Power Supply.->\n %b		<srv,myhost,log>
2242042	GRADIANT DRIVER TESTS - Fault Occurred.\n The GIP reported a miniGRAM Power Supply Fault.\n Check GRAM Tuning, the miniGRAM, or the miniGRAM Power Supply.->\n %b		<srv,myhost,log>
2242043	GRADIANT DRIVER TESTS - %c Axis Fault Occurred.\n GIP reported a %c Axis Current Distortion Fault.\n Another fault reported in the log could be the cause of this fault.\n Possible causes: GRAM Tuning, miniGRAM, components of\n Axis GPM, GIP, or cables.->\n %b		<srv,myhost,log>
2242044	GRADIANT DRIVER TESTS - %c Axis Fault Occurred.\n GIP reported a Shelf Over Temp Fault on the %c Axis of GPM.\n Wait for temp to cool before trying to scan.\n Cooling time may be in excess of 5 min.\n Make sure back door of Gradient Cabinet is closed.->\n %b		<srv,myhost,log>
2242045	GRADIANT DRIVER TESTS - %c Axis Fault Occurred.\n GIP reported a PPBM Fault on the %c Axis of GPM.\n GPM will recover when Supply voltage changes to a\n safe range. Possible causes: Axis GPM PPBM, Main Bd,\n Output Shelf, or GPM Power Supply.->\n %b		<srv,myhost,log>
2242046	GRADIANT DRIVER TESTS - %c Axis Fault Occurred.\n The GIP reported a Long Overload Fault on the %c Axis of the GPM.\n Possible causes: Axis GPM. Try swapping the GPM Axis\n connections to isolate the problem.->\n %b		<srv,myhost,log>
2242047	GRADIANT DRIVER TESTS - %c Axis Fault Occurred.\n GIP reported a %c Axis miniGRAM Heatsink OverTemp Fault.\n Cooling time may be in excess of 5 min.\n Gradient back door must be closed.\n Check miniGRAM Control Bd & miniGRAM.->\n %b		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2242048	GRADIANT DRIVER TESTS - Fault Occurred.\n The GPM Power Supply failed to go to Ready when commanded, or\n came out of Ready. Possible causes: cable between GIP & GPM\n Power Supply, the GPM Power Supply, or the GIP.\n %b		<srv,myhost,log>
2242049	GRADIANT DRIVER TESTS - Fault Occurred.\n The miniGRAM Power Supply failed to go to Ready when commanded, or\n came out of Ready. Possible causes: cable between GIP & miniGRAM\n Power Supply, the miniGRAM Power Supply, or the GIP.\n %b		<srv,myhost,log>
2242050	GRADIANT DRIVER TESTS - %c Axis GPM Not Ready.\n The %c Axis of the GPM failed to go Ready when commanded.\n Check cable between GIP & GPM, and LED status on the\n Axis of the GPM. Guarantee that switch on GPM is set to\n GIP Control.\n %b		<srv,myhost,log>
2242051	GRADIANT DRIVER TESTS - %c Axis miniGRAM Not Ready.\n The %c axis miniGRAM failed to go to Ready when commanded.\n Check the cable between the GIP & miniGRAM, miniGRAM Ctrl Bd,\n GIP, and the LED status on the Axis miniGRAM.\n %b		<srv,myhost,log>
2242052	GRADIANT DRIVER TESTS - %c Axis GPM Ready.\n The %c axis GPM failed to go to Standby when commanded.\n Check the cable between the GIP & GPM, and the LED status on the\n Axis of the GPM. Guarantee that the switch on the GPM is set to\n GIP Control.\n %b		<srv,myhost,log>
2242053	GRADIANT DRIVER TESTS - %c Axis miniGRAM Ready.\n The %c axis miniGRAM failed to go to Standby when commanded.\n Check the cable between the GIP & miniGRAM, miniGRAM, GIP, and\n the LED status on the Axis miniGRAM.\n %b		<srv,myhost,log>
2242054	GRADIANT DRIVER TESTS - %c Axis Fault Occurred.\n The %c Axis GPM has reported a short overload. An overload is\n the result of the GPM output voltage not following the input command.->\n %b		<srv,myhost,log>
2242055	GRADIANT DRIVER TESTS - %c Axis Fault Occurred.\n %c Axis GPM reported a Transistor Junction OverTemp Fault.\n Cooling time may be in excess of 5 min.\n Gradient back door must be closed.\n Check GRAM Tuning, GPM Axis Main Bd, PPBM, Output Shf.->\n %b		<srv,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2242056	GRADIENT DRIVER TESTS - %c Axis Fault Occurred.\n\n%c Axis Gradient Data Overage Occurred.\n\nThe GIP detected an error in the incoming High Speed Data from the\n\nIPG. Swap fiber optics at the Systems Cabinet. Run fiber optic\n\ndiagnostics.->\n\n%b		<srv,myhost,log>
2242057	GRADIENT DRIVER TESTS - %c Axis Mode Control Register Error.\n\nAttempted to set the axis to Bypass Mode, but failed.\n\nReplace the GIP.\n\n%b		<myhost,svr,log>
2242058	GRADIENT DRIVER TESTS - %c Axis Mode Control Register Error.\n\nAttempted to set the axis to Feedback Mode, but failed.\n\nReplace the GIP.\n\n%b		<myhost,svr,log>
2242059	GRADIENT DRIVER TESTS - %c Axis Mode Control Register Error.\n\nAttempted to set the axis to Freewheel Mode, but failed.\n\nReplace the GIP.\n\n%b		<myhost,svr,log>
2242060	GRADIENT DRIVER TESTS - %c Axis Mode Control Register Error.\n\nAttempted to set the axis to Non-Freewheel Mode, but failed.\n\nReplace the GIP.\n\n%b		<myhost,svr,log>
2242061	GRADIENT DRIVER TESTS\n\nThe GIP was unsuccessful loading/verifying miniGRAM digital tuning\n\nvalues for the %c Axis. Possible causes: GIP board.		<srv,myhost,log>
2242062	GRADIENT DRIVER TESTS - %b Tests will not be executed\n\non ALL axes. Check previous error messages.		<myhost,svr,log>
2242063	GRADIENT DRIVER TESTS - %b Tests will not be executed\n\non the %c axis since a fault was detected. Check previous error messages.\n\nTo test this axis, clear the fault and run test again.		<myhost,svr,log>
2242064	GRADIENT DRIVER TESTS - %b Tests will not be executed\n\non ALL axes. %c Axis would not go to Standby. Check previous\n\nerror messages.		<myhost,svr,log>
2242065	GIP ASM ADC%c calibration out of range Error.\n\nCheck the GIP board.		<myhost,svr,log>
2242066	GRADIENT DRIVER TESTS - %c Axis PPBM Fault Occurred.\n\nThe GPM will recover when the Supply voltage changes to a\n\nsafe range. Possible causes: %c Axis GPM PPBM, Main Board,\n\nOutput Shelf, or the GPM Power Supply.->\n\n%b		<srv,myhost,log>
2242098	GRADIENT DRIVER TESTS - Static Test Failed.\n\nVCC had %d failures out of %d. Most likely related to a GIP board problem.\n\nOther possible causes: GIP Power Supply.\n\n%b		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2242099	GRADIENT DRIVER TESTS - Static Test Failed.\n\                     GND had %d failures out of %d. Most likely related to a GIP board problem.\n\                     Other possible causes: GIP Power Supply.\n\                     %b		<myhost,svr,log>
2242100	GRADIENT DRIVER TESTS - Static Test Failed.\n\                     V_POS12 had %d failures out of %d. Most likely related to a GIP board problem.\n\                     Other possible causes: GIP Power Supply.\n\                     %b		<myhost,svr,log>
2242101	GRADIENT DRIVER TESTS - Static Test Failed.\n\                     V_NEG12 had %d failures out of %d. Most likely related to a GIP board problem.\n\                     Other possible causes: GIP Power Supply.\n\                     %b		<myhost,svr,log>
2242102	GRADIENT DRIVER TESTS - Static Test Failed.\n\                     V_POS10 had %d failures out of %d. Most likely related to a GIP board problem.\n\                     Other possible causes: GIP Power Supply.\n\                     %b		<myhost,svr,log>
2242103	GRADIENT DRIVER TESTS - Static Test Failed.\n\                     V_NEG10 had %d failures out of %d. Most likely related to a GIP board problem.\n\                     Other possible causes: GIP Power Supply.\n\                     %b		<myhost,svr,log>
2242104	GRADIENT DRIVER TESTS - Static Test Failed.\n\                     V_POS15 had %d failures out of %d. Most likely related to a GIP board problem.\n\                     Other possible causes: GIP Power Supply.\n\                     %b		<myhost,svr,log>
2242105	GRADIENT DRIVER TESTS - Static Test Failed.\n\                     V_NEG15 had %d failures out of %d. Most likely related to a GIP board problem.\n\                     Other possible causes: GIP Power Supply.\n\                     %b		<myhost,svr,log>
2242106	GRADIENT DRIVER TESTS - Static Test Failed.\n\                     VLO_GPM had %d failures out of %d. Most likely related to a GPM Power Supply,\n\                     GIP Board, or GPM problem.->\n\                     %b		<myhost,svr,log>
2242107	GRADIENT DRIVER TESTS - Static Test Failed.\n\                     VLO_GRAM had %d failures out of %d. Most likely related to a miniGRAM,\n\                     miniGRAM Power Supply, or GIP Board problem.->\n\                     %b		<myhost,svr,log>
2242108	GRADIENT DRIVER TESTS - Static Test Failed on ALL Axes.\n\                     VRAIL had %d failures out of %d. Most likely due to noisy signals\n\                     between the GIP & GPM.\n\                     %b		<myhost,svr,log>
2242109	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\                     VRAIL had %d failures out of %d. Possible causes: This axis of the GPM,\n\                     the GPM Power Supply, or the GIP.->\n\                     %b		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2242110	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nLDIDT had %d failures out of %d. Possible causes: the GIP Board.\n\n%b		<myhost,svr,log>
2242111	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nVFILT had %d failures out of %d. Possible causes: the miniGRAM,\n\nminiGRAM Ctrl Bd, GIP Board, or cables between miniGRAM & GIP.\n\n%b		<myhost,svr,log>
2242112	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nVCNTRL had %d failures out of %d. Possible causes: the GIP Board.\n\n%b		<myhost,svr,log>
2242113	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nVOUT had %d failures out of %d. Possible causes: This axis of the GPM,\n\nCables, or the GIP Board.->\n\n%b		<myhost,svr,log>
2242114	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nICOIL had %d failures out of %d. Possible causes: miniGRAM Ctrl Bd,\n\nminiGRAM, cables, or the GIP Board.\n\n%b		<myhost,svr,log>
2242115	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nPXTEMP had %d failures out of %d. Possible causes: this axis of the GPM,\n\nCables, or the GIP board.->\n\nStatic Standby Mode		<myhost,svr,log>
2242116	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nPXTEMP exceeded Max Temp change. Possible causes: this axis of the GPM,\n\nCables, or the GIP board.->\n\nMeasured Delta=%6.3fC, Maximum Delta=%6.3fC.\n\n%b		<myhost,svr,log>
2242117	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nNXTEMP had %d failures out of %d. Possible causes: this axis of the GPM,\n\nCables, or the GIP board.->\n\nStatic Standby Mode		<myhost,svr,log>
2242118	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nNXTEMP exceeded Max Temp change. Possible causes: this axis of the GPM,\n\nCables, or the GIP board.->\n\nMeasured Delta=%6.3fC, Maximum Delta=%6.3fC.\n\n%b		<myhost,svr,log>
2242119	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nHEATSINK had %d failures out of %d.\n\nMake sure back door of Gradient Cabinet is closed.\n\nElse, check the miniGRAM Control Bd, miniGRAM, & GIP.\n\nStatic Standby Mode		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2242120	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n HEATSINK exceeded Max Temp change.\n Make sure back door of Gradient Cabinet is closed.\n Else, check the miniGRAM Control Bd, miniGRAM, & GIP.\n Measured Delta=%6.3fC, Maximum Delta=%6.3fC.\n %b		<myhost,svr,log>
2242121	GRADIENT DRIVER TESTS - Static Test Failed on ALL Axes.\n DAC_I had %d failures out of %d. Most likely related to a GIP board problem.\n Static Standby Mode		<myhost,svr,log>
2242122	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n DAC_I had %d failures out of %d. Possible causes: the GIP board.\n Static Standby Mode		<myhost,svr,log>
2242123	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n VCNTRL had %d failures out of %d. Possible causes: the GIP board.\n Static Ready Mode		<myhost,svr,log>
2242124	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n VOUT had %d failures out of %d. Possible causes: this axis of the GPM,\n cables, or the GIP board.->\n Static Ready Mode		<myhost,svr,log>
2242125	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n VFILT had %d failures out of %d. Possible causes: the miniGRAM,\n cables to the GIP, the GIP board, or this axis of the GPM.->\n Static Ready Mode		<myhost,svr,log>
2242126	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n VRAIL had %d failures out of %d. Possible causes: this axis of the GPM,\n cables, or the GIP board.->\n Static Ready Mode		<myhost,svr,log>
2242127	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n VRAIL had %d failures out of %d. Possible causes: GIP Bd, the load,\n miniGRAM, this axis of the GPM, or GPM Power Supply.->\n Static Ready GRAM Mode		<myhost,svr,log>
2242128	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n VFILT had %d failures out of %d. Possible causes: GIP Bd, the load,\n miniGRAM, this axis of the GPM, or GPM Power Supply.->\n Static Ready GRAM Mode		<myhost,svr,log>
2242129	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n VOUT had %d failures out of %d. Possible causes: GIP Bd, the load,\n miniGRAM, this axis of the GPM, or GPM Power Supply.->\n Static Ready GRAM Mode		<myhost,svr,log>
2242130	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n IERROR had %d failures out of %d. Possible causes: GIP Bd, the load,\n miniGRAM, this axis of the GPM, or GPM Power Supply.->\n Static Ready GRAM Mode		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2242131	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nICOIL had %d failures out of %d. Possible causes: miniGRAM, this\n\naxis of the GPM, GPM Power Supply, the load, cables, or GIP.->\n\nStatic Ready GRAM Mode		<myhost,svr,log>
2242132	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nPXTEMP had %d failures out of %d. Possible causes: components in the GPM\n\n(Main Board, PPBM, Output Shelf), or Gradient Cabinet Back Door is open.\n\nStatic Ready GRAM Mode		<myhost,svr,log>
2242133	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nHEATSINK had %d failures out of %d. Possible causes: miniGRAM Control\n\nBoard, miniGRAM, or Gradient Cabinet Back Door is open.\n\nStatic Ready GRAM Mode		<myhost,svr,log>
2242134	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nNXTEMP had %d failures out of %d. Possible causes: components in the GPM\n\n(Main Board, PPBM, Output Shelf), or Gradient Cabinet Back Door is open.\n\nStatic Ready GRAM Mode		<myhost,svr,log>
2242135	GRADIENT DRIVER TESTS - Static Test Failed on %c Axis.\n\nVLO_GPM had %d failures out of %d. Most likely related to a GPM\n\nPower Supply, GPM, or GIP Board problem.->\n\nStatic Ready GRAM Mode		<myhost,svr,log>
2242136	GRADIENT DRIVER TESTS - Static Test Failed.\n\nThe SGD_RDYGRAM_RCOIL_1 tolerance is set to zero or a\n\nnegative value in /w/config/sgd_tolerances.cfg. Please reset\n\nthis value and run test again.		<myhost,svr,log>
2242137	GRADIENT DRIVER TESTS - Static Test Failed.\n\nThe SGD_RDYGRAM_RCOIL_2 tolerance is set to zero or a\n\nnegative value in /w/config/sgd_tolerances.cfg. Please reset\n\nthis value and run test again.		<myhost,svr,log>
2242138	GRADIENT DRIVER TESTS - Static Test Failed.\n\nThe SGD_VFILT_RDYGRAM_IGBT_KNEE_1 tolerance is set to zero or a\n\nnegative value in /w/config/sgd_tolerances.cfg. Please reset\n\nthis value and run test again.		<myhost,svr,log>
2242139	GRADIENT DRIVER TESTS - Static Test Failed.\n\nThe SGD_VFILT_RDYGRAM_IGBT_KNEE_2 tolerance is set to zero or a\n\nnegative value in /w/config/sgd_tolerances.cfg. Please reset\n\nthis value and run test again.		<myhost,svr,log>
2242140	GRADIENT DRIVER TESTS - Static Test Failed.\n\nThe SGD_VOUT_RDYGRAM_IGBT_KNEE_1 tolerance is set to zero or a\n\nnegative value in /w/config/sgd_tolerances.cfg. Please reset\n\nthis value and run test again.		<myhost,svr,log>
2242141	GRADIENT DRIVER TESTS - Static Test Failed.\n\nThe SGD_VOUT_RDYGRAM_IGBT_KNEE_2 tolerance is set to zero or a\n\nnegative value in /w/config/sgd_tolerances.cfg. Please reset\n\nthis value and run test again.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2242198	GRADIENT DRIVER TESTS - Dynamic Tests will not be executed on the %c Axis.\n\nCheck previous error messages.		<myhost,svr,log>
2242199	GRADIENT DRIVER TESTS - Internal GIP software error.\n\nInvalid selection for sample points.\n\nNumber Pts Selected: %d\n\nSPI software specified an undefined mode in a MDS packet. If the\n\nMDS link connection is good, this is a software bug; write a CQA.		<myhost,svr,log>
2242200	GRADIENT DRIVER TESTS - Internal GIP software error.\n\nInvalid selection for number of rise points.\n\nRise Pts Selected: %d\n\nSPI software specified an undefined mode in a MDS packet. If\n\nMDS link connection is good, this is a software bug; write a CQA.		<myhost,svr,log>
2242201	GRADIENT DRIVER TESTS - Internal GIP software error.\n\nInvalid selection for plateau points.\n\nPlateau Pts Selected: %d\n\nSPI software specified an undefined mode in a MDS packet. If the\n\nMDS link connection is good, this is a software bug; write a CQA.		<myhost,svr,log>
2242202	GRADIENT DRIVER TESTS - Internal GIP software error.\n\nInvalid selection for start offset.\n\nOffset Start Selected: %d\n\nSPI software specified an undefined mode in a MDS packet. If the\n\nMDS link connection is good, this is a software bug; write a CQA.		<myhost,svr,log>
2242228	0 to positive plateau		<myhost,svr,log>
2242229	positive plateau to negative plateau		<myhost,svr,log>
2242230	negative plateau to positive plateau		<myhost,svr,log>
2242231	positive plateau to 0		<myhost,svr,log>
2242232	0 to negative plateau		<myhost,svr,log>
2242233	negative plateau to 0		<myhost,svr,log>
2242234	GRADIENT DRIVER TESTS - Dynamic Test failed on %c Axis.\n\nVCNTRL data does not follow the input waveform.\n\nPossible causes: Fiber Optic cable between GIP and IPG,\n\nor the GIP Board.->		<myhost,svr,log>
2242235	GRADIENT DRIVER TESTS - Dynamic Test failed on %c Axis.\n\nVOUT data does not follow the input waveform.\n\nMost likely caused by this axis GPM or GIP Board.->		<myhost,svr,log>
2242236	GRADIENT DRIVER TESTS - Dynamic Test failed on %c Axis.\n\nIERROR data does not follow the input waveform.\n\nPossible causes: Fiber Optic cable between GIP and IPG,\n\nor the GIP Board.->		<myhost,svr,log>
2242237	GRADIENT DRIVER TESTS - Dynamic Test failed on %c Axis.\n\nVFILT data does not follow the input waveform.\n\nPossible causes: miniGRAM, cable between GIP and miniGRAM,\n\nor the GIP Board.->		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2242238	GRADIENT DRIVER TESTS - Dynamic Test failed on %c Axis.\n VCNTL & VOUT did not match within tolerances %d out of %d\n samples. Worst case delta=%6.3fV. Check GRAM Tuning, axis\n GPM, GIP, Power Supplies, miniGRAM, cables.->		<myhost,svr,log>
2242239	GRADIENT DRIVER TESTS - Dynamic Test failed on %c Axis.\n IERROR did not settle to +/-%6.3fA in\n %6.3fusec on the %b\n transition. Actual=%6.3fusec. Check GRAM Tuning, GIP,\n miniGRAM, axis GPM FRUs, or Power Supplies.->		<myhost,svr,log>
2242240	GRADIENT DRIVER TESTS - Dynamic Test Failed.\n The SGD_IERROR_SETTLE_TIME tolerance is set to zero or a\n negative value in /w/config/sgd_tolerances.cfg. Please reset\n this value and run test again.		<myhost,svr,log>
2242241	GRADIENT DRIVER TESTS - Dynamic Test failed on %c Axis.\n VFILT Average was out of range on the Max to Min Transition.\n Actual=%6.3fV. Check GRAM Tuning, GIP, miniGRAM, and cables.->		<myhost,svr,log>
2242242	GRADIENT DRIVER TESTS - Dynamic Test failed on %c Axis.\n VFILT Average was out of range on the Min to Max Transition.\n Actual=%6.3fV. Check GRAM Tuning, GIP, miniGRAM, and cables.->		<myhost,svr,log>
2242243	GRADIENT DRIVER TESTS - Dynamic Test failed on %c Axis.\n VFILT Maximum ripple exceeded on the Max to Min Transition.\n Actual Maximum=%6.3fV. Average=%6.3fV. Check the miniGRAM,\n GIP, and cables.->		<myhost,svr,log>
2242244	GRADIENT DRIVER TESTS - Dynamic Test failed on %c Axis.\n VFILT Maximum ripple exceeded on the Min to Max Transition.\n Actual Maximum=%6.3fV. Average=%6.3fV. Check the miniGRAM,\n GIP, and cables.->		<myhost,svr,log>
2242245	GRADIENT DRIVER TESTS - Dynamic Test failed on %c Axis.\n VFILT Minimum ripple too small on the Max to Min Transition.\n Actual Minimum=%6.3fV. Average=%6.3fV. Check the miniGRAM,\n GIP, and cables.->		<myhost,svr,log>
2242246	GRADIENT DRIVER TESTS - Dynamic Test failed on %c Axis.\n VFILT Minimum ripple too small on the Min to Max Transition.\n Actual Minimum=%6.3fV. Average=%6.3fV. Check the miniGRAM,\n GIP, and cables.->		<myhost,svr,log>
2242247	GRADIENT DRIVER DYNAMIC TESTS\n If Actual Settling Time > %6.3fusec with Eddy Comp disabled, or\n if Actual Settling Time > %6.3fusec with Eddy Comp enabled,\n Possible causes: miniGRAM, GRAM Tuning, GPM FRUs, GIP, or Load.		<myhost,svr,log>
2242248	GRADIENT DRIVER DYNAMIC TESTS\n If %6.3fusec < Actual Settling Time < %6.3fusec, retry with\n Eddy Comp disabled. Please refer to the Grafidy procedure on\n CDROM to disable Eddy Current Compensation.		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2242268	GRADIENT DRIVER TESTS - Digital Tune Test failed on %c Axis.\n ERROR data does not follow the input waveform.\n Possible causes: GIP Board.		<myhost,svr,log>
2242269	GRADIENT DRIVER TESTS - Digital Tune Test failed on %c Axis.\n 1 case out of %d failed: time constant= Tau_%d. Possible causes:\n GIP Board.		<myhost,svr,log>
2242270	GRADIENT DRIVER TESTS - Digital Tune Test failed on %c Axis.\n %d cases out of %d failed. Largest time constant= Tau_%d. Possible\n causes: GIP Board.		<myhost,svr,log>
2242271	Internal GIP software error. Test case number is not between %d and %d.\n Case Selected: %d\n If the GIP software is running okay ( the GIP Board LED is blinking with\n a period of 5 seconds ), then this is a software bug; write a CQA.		<myhost,svr,log>
2242272	GRADIENT DRIVER TESTS - Digital Tune Test failed on %c Axis.\n IERROR Offset out of range.\n Actual=%5.3fA; Limits=+/-%5.3fA.\n Possible causes: GIP Board.		<myhost,svr,log>
2242273	GRADIENT DRIVER TESTS - Digital Tune Test failed on %c Axis.\n IERROR Gain out of range.\n Actual=%5.3fA; Limits=%4.2f to %4.2fA.\n Possible causes: GIP Board.		<myhost,svr,log>
2242308	GRADIENT DRIVER TESTS - Internal GIP software error.\n Invalid selection for LCoil sample points.\n Number Selected: %d\n SPI software specified an undefined mode in a MDS packet. If the\n MDS link connection is good, this is a software bug; write a CQA.		<myhost,svr,log>
2242309	GRADIENT DRIVER TESTS - Internal GIP software error.\n Invalid selection for number of LCoil rise pts.\n Pts Selected: %d\n SPI software specified an undefined mode in a MDS packet. If\n MDS link connection is good, this is a software bug; write a CQA.		<myhost,svr,log>
2242310	GRADIENT DRIVER TESTS - Internal GIP software error.\n Invalid selection for LCoil plateau pts.\n Pts Selected: %d\n SPI software specified an undefined mode in a MDS packet. If the\n MDS link connection is good, this is a software bug; write a CQA.		<myhost,svr,log>
2242311	LCoil Adjustment will not be executed on the %c Axis\n since a fault was detected. Check previous error messages. To adjust\n this axis, clear the fault and run procedure again.		<myhost,svr,log>
2242312	LCoil Adjustment failed on %c Axis.\n ICOIL data does not follow the input waveform.\n Possible causes: check cables, this axis GPM, miniGRAM or GIP.\n Run Diagnostics.->		<myhost,svr,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2242313	LCoil Adjustment failed on %c Axis.\n\ VCTRL data does not follow the input waveform.\n\ Possible causes: check cables, this axis GPM, miniGRAM or GIP.\n\ Run Diagnostics.->		<myhost,svr,log>
2242314	LCoil Adjustment Error: %c Axis ICOIL out of range.\n\ Actual=%5.3fA; Limits=%4.2f to %4.2fA.\n\ Check GIP and miniGRAM. Run Diagnostics.->		<myhost,svr,log>
2242315	LCoil Adjustment failed on %c Axis.\n\ LCoil out of acceptable range.\n\ Actual=%5.3fmH; Limits=%5.3f to %5.3fmH.\n\ Possible Causes: GIP, miniGRAM, this axis GPM, or Coil.\n\ Check GCoilType setting in GradientConfig.cfg file.\n\ Run Diagnostics.->		<myhost,svr,log>
2242316	LCoil Adjustment will not be executed on all axes.\n\ Check previous error messages.		<myhost,svr,log>
2242348	GRADIENT DRIVER TESTS - Digital DC Offset Calibration will not be\n\ executed on the %c Axis.\n\ Check previous error messages.		<myhost,svr,log>
2242349	DC Offset Calibration will not be executed on the %c Axis\n\ since a fault was detected. Check previous error messages. To adjust\n\ this axis, clear the fault and run procedure again.		<myhost,svr,log>
2242350	GIP DC Offset ICOILFINE self-calibration out of range.\n\ Check the GIP Board.\n\ Digital DC Offset Calibration cannot be performed.\n\ Use manual DC Offset calibration.		<myhost,svr,log>
2242351	GRADIENT DRIVER TESTS - Digital DC Offset failed on %c Axis.\n\ Present offset out of automated cal range.\n\ Actual=%5.3fA; Limits=%4.2fA to %4.2fA.\n\ Perform manual DC Offset cal, then try automated method again.\n\ Check cables, miniGRAM, GIP, & GPM.		<myhost,svr,log>
2242474	AP(SBAM) Initialize Error\n\ Unable to connect interrupt service routine with AP(SBAM)		<log,myhost,sup>
2242475	AP(SBAM) Initialize Error\n\ ADSP executable image couldn't be loaded.		<log,myhost,sup>
2242476	AP(SBAM) Initialize Error\n\ ADSP boot was failed.		<log,myhost,sup>
2242477	AP(SBAM) Initialize Error\n\ AP library initialization was failed.		<log,myhost,sup>
2242478	AP(SBAM) Initialize Error\n\ Unable to allocate AP memory.		<log,myhost,sup>
2242479	AP(SBAM) Software Error\n\ Unable to notify from interrupt service routine		<log,myhost,sup>
2242480	AP(SBAM) Error\n\ Couldn't wait for completion of SBAM AP function.		<log,myhost,sup>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2242481	Internal Software Error\n\nInvalid AP(SBAM) function %s was called.		<log,myhost,sup>
2242482	AP(SBAM) Hardware Error\n\nUnable to get ADSP bus.		<log,myhost,sup>
2242483	AP(SBAM) Error\n\nUnable to interrupt to ADSP.		<log,myhost,sup>
2242484	AP(SBAM) Initialize Error. The memory setting of SBAM is invalid.\n\nThe same kind of memory or no memory must be inserted to each bank per slot.\n\nCurrent setting - Slot %d : J%d = %s, J%d = %s, J%d = %s, J%d = %s		<log,myhost,sup>
2242485	AP(SBAM) Initialize Error. Check if memory configuration of SBAM is correct.\n\nCurrent configuration -\n\nSlot0(J4/J8/J12/J16) = %dMByte/bank, Slot1(J3/J7/J11/J15) = %dMByte/bank\n\nSlot2(J2/J6/J10/J14) = %dMByte/bank, Slot3(J1/J5/J9/J13) = %dMByte/bank		<log,myhost,sup>
2242514	AP Board Configuration Error.\n\nThe symbol, apBoard, in /w/config/MRconfig.cfg is %s configuration,\n\nbut the hardware does not exist.\n\nCheck if system hardware configuration is correct.		<log,myhost,sup>
2242515	AP Board Configuration Error.\n\nThe AP board and Recon configuration mismatch.\n\nTPS has detected %s board, but the symbol, hostRecon, is\n\n%s Recon configuration in /w/config/MRconfig.cfg.\n\nCheck if system hardware configuration is correct.		<log,myhost,sup>
2242524	SBAM Diags:Initialization failure.\n\nTPS could not switch ADSP bus.		<log,myhost,sup>
2242525	SBAM Diags:Initialization failure.\n\nTPS could not access ADSP register via VME bus.		<log,myhost,sup>
2242526	SBAM Diags:Initialization failure.\n\nTPS could not access DSP interrupt register via VME bus.		<log,myhost,sup>
2242527	SBAM Diags:Initialization failure.\n\nTPS could not access DSP reset register via VME bus.		<log,myhost,sup>
2242528	SBAM Diags:Initialization failure.\n\nTPS could not access DSP bus arbitration register via VME bus.		<log,myhost,sup>
2242529	SBAM Diags:Initialization failure.\n\nTPS could not access Board ID register via VME bus.		<log,myhost,sup>
2242530	SBAM Diags:Initialization failure.\n\nTPS could not access Memory Detect register #%1d via VME bus.		<log,myhost,sup>
2242531	SBAM Diags:TASK failure.\n\nTPS could not spawn SBAM board level diag task.		<log,myhost,sup>
2242532	SBAM Diags:TASK failure.\n\nSBAM board level diag task is not responding.		<log,myhost,sup>
2242533	SBAM Diags:TASK failure.\n\nTPS could not delete SBAM board level diag task.		<log,myhost,sup>
2242534	MEDCAM/SBAM Diags:Initialization failure.\n\nAP board does not agree with \n\nthe data in /w/config/MRconfig.cfg file.		<log,myhost,sup>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2242535	SBAM Diags:Memory function test failure.(from TPS processor)\n TPS detected a failure in the bulk memory pattern test.(32bit width)\n Address :%08xH\n Expected :%08xH\n Actual :%08xH\n SIMM :J%02d		<log,myhost,sup>
2242536	SBAM Diags:Memory function test failure.(from TPS processor)\n TPS detected a failure in the bulk memory address test.(32bit width)\n Address :%08xH\n Expected :%08xH\n Actual :%08xH\n SIMM :J%02d		<log,myhost,sup>
2242537	SBAM Diags:Memory function test failure.(from TPS processor)\n TPS detected a failure in the bulk memory pattern test.(16bit width)\n Address :%08xH\n Expected :%04xH\n Actual :%04xH\n SIMM :J%02d		<log,myhost,sup>
2242538	SBAM Diags:Memory function test failure.(from TPS processor)\n TPS detected a failure in the bulk memory address test.(16bit width)\n Address :%08xH\n Expected :%04xH\n Actual :%04xH\n SIMM :J%02d		<log,myhost,sup>
2242539	SBAM Diags:Memory function test failure.(from TPS processor)\n TPS detected a failure in the bulk memory pattern test.(8bit width)\n Address :%08xH\n Expected :%02xH\n Actual :%02xH\n SIMM :J%02d		<log,myhost,sup>
2242540	SBAM Diags:Memory function test failure.(from TPS processor)\n TPS detected a failure in the bulk memory address test.(8bit width)\n Address :%08xH\n Expected :%02xH\n Actual :%02xH\n SIMM :J%02d		<log,myhost,sup>
2242541	SBAM Diags:Memory function test failure.(from TPS processor)\n TPS detected a failure in the SRAM pattern test.\n Address :%08xH\n Expected :%08xH\n Actual :%08xH		<log,myhost,sup>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2242542	SBAM Diags:Memory function test failure.(from TPS processor)\n TPS detected a failure in the SRAM address test.\n Address :%08xH\n Expected :%08xH\n Actual :%08xH		<log,myhost,sup>
2242543	SBAM Diags:Memory function test failure.(from TPS processor)\n TPS detected a failure in the ADSP internal memory pattern test.\n Address :%08xH\n Expected :%08xH\n Actual :%08xH		<log,myhost,sup>
2242544	SBAM Diags:Memory function test failure.(from TPS processor)\n TPS detected a failure in the ADSP internal memory address test.\n Address :%08xH\n Expected :%08xH\n Actual :%08xH		<log,myhost,sup>
2242545	SBAM Diags:ADSP and TPS communication failure.(from TPS processor)\n ADSP was unable to assert a VME interrupt.		<log,myhost,sup>
2242546	SBAM Diags:Memory function test failure.(from ADSP processor)\n ADSP detected a failure in the bulk memory pattern test.(random mode access)\n Address :%08xH\n Expected :%08xH\n Actual :%08xH\n SIMM :J%02d		<log,myhost,sup>
2242547	SBAM Diags:Memory function test failure.(from ADSP processor)\n ADSP detected a failure in the bulk memory address test.(random mode access)\n Address :%08xH\n Expected :%08xH\n Actual :%08xH\n SIMM :J%02d		<log,myhost,sup>
2242548	SBAM Diags:Memory function test failure.(from ADSP processor)\n ADSP detected a failure in the bulk memory pattern test.(block mode access)\n Address :%08xH\n Expected :%08xH\n Actual :%08xH\n SIMM :J%02d		<log,myhost,sup>
2242549	SBAM Diags:Memory function test failure.(from ADSP processor)\n ADSP detected a failure in the bulk memory address test.(block mode access)\n Address :%08xH\n Expected :%08xH\n Actual :%08xH\n SIMM :J%02d		<log,myhost,sup>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2242550	SBAM Diags:Memory function test failure.(from ADSP processor)\n\nADSP detected a failure in the SRAM pattern test.(32bit width)\n\nAddress :%08xH\n\nExpected :%08xH\n\nActual :%08xH		<log,myhost,sup>
2242551	SBAM Diags:Memory function test failure.(from ADSP processor)\n\nADSP detected a failure in the SRAM address test.(32bit width)\n\nAddress :%08xH\n\nExpected :%08xH\n\nActual :%08xH		<log,myhost,sup>
2242552	SBAM Diags:Memory function test failure.(from ADSP processor)\n\nADSP detected a failure in the SRAM pattern test.(48bit width)\n\nAddress :%08xH\n\nExpected(low) :%08xH\n\nActual (low) :%08xH\n\nExpected(high):%04xH\n\nActual (high):%04xH		<log,myhost,sup>
2242553	SBAM Diags:Memory function test failure.(from ADSP processor)\n\nADSP detected a failure in the SRAM address test.(48bit width)\n\nAddress :%08xH\n\nExpected(low) :%08xH\n\nActual (low) :%08xH\n\nExpected(high):%04xH\n\nActual (high):%04xH		<log,myhost,sup>
2242554	SBAM Diags:Memory function test failure.(from ADSP processor)\n\nADSP detected a failure in the ADSP internal memory pattern test.(32bit width)\n\nAddress :%08xH\n\nExpected :%08xH\n\nActual :%08xH		<log,myhost,sup>
2242555	SBAM Diags:Memory function test failure.(from ADSP processor)\n\nADSP detected a failure in the ADSP internal memory address test.(32bit width)\n\nAddress :%08xH\n\nExpected :%08xH\n\nActual :%08xH		<log,myhost,sup>
2242556	SBAM Diags:Memory function test failure.(from ADSP processor)\n\nADSP detected a failure in the ADSP internal memory pattern test.(48bit width)\n\nAddress :%08xH\n\nExpected(low) :%08xH\n\nActual (low) :%08xH\n\nExpected(high):%04xH\n\nActual (high):%04xH		<log,myhost,sup>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2242557	SBAM Diags:Memory function test failure.(from ADSP processor)\n ADSP detected a failure in the ADSP internal memory address test.(48bit width)\n Address :%08xH\n Expected(low) :%08xH\n Actual (low) :%08xH\n Expected(high):%04xH\n Actual (high):%04xH		<log,myhost,sup>
2242558	SBAM Diags:Message area memory failure.\n TPS detected a failure in the interface block memory pattern test.\n Address :%08xH\n Expected :%08xH\n Actual :%08xH		<log,myhost,sup>
2242559	SBAM Diags:Download failure.\n TPS timed out while waiting for ADSP to complete downloading.		<log,myhost,sup>
2242560	SBAM Diags:Invalid command failure.\n TPS detected an invalid command.		<log,myhost,sup>
2242561	SBAM Diags:Invalid command failure.\n ADSP detected an invalid command.		<log,myhost,sup>
2242562	SBAM Diags:ADSP interrupt function test failure.(from TPS processor)\n TPS was unable to assert a interrupt.\n IRQ number :%02x		<log,myhost,sup>
2242563	SBAM Diags:LED function test failure.(from ADSP processor)\n The write/read test of LED register detected data mismatch.		<log,myhost,sup>
2242564	SBAM Diags:LCSR function test failure.(from ADSP processor)\n The write/read test of LCSR register detected data mismatch.		<log,myhost,sup>
2242565	SBAM Diags:VMEINT function test failure.(from ADSP processor)\n The write/read test of VMEINT register detected data mismatch.		<log,myhost,sup>
2242566	SBAM Diags:Download failure.\n TPS could not receive download complete message from ADSP.		<log,myhost,sup>
2242567	SBAM Diags:Interrupt failure.\n ADSP detected an invalid interrupt.		<log,myhost,sup>
2242568	SBAM Diags:Bus request failure.\n TPS timed out while waiting for ADSP to respond bus request.		<log,myhost,sup>
2242569	SBAM Diags:Bus release failure.\n TPS timed out while waiting for ADSP to respond bus release.		<log,myhost,sup>
2242570	SBAM Diags:ADSP run failure.\n TPS timed out while waiting for ADSP to respond test complete.		<log,myhost,sup>
2242571	SBAM Diags:SIMM size failure.\n SIMM size was invalid.		<log,myhost,sup>
2242572	SBAM Power Up Diags failed.\n TPS couldn't access %s register via VME bus.\n Register Name : %s		<log,myhost,sup>
2242573	SBAM Power Up Diags failed.\n TPS could not switch ADSP bus.		<log,myhost,sup>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2242574	SBAM Power Up Diags failed.\n TPS could not reset ADSP.		<log,myhost,sup>
2242575	SBAM Power Up Diags failed.\n TPS couldn't access %s via VME bus.\n Address :%08xH		<log,myhost,sup>
2242576	SBAM Power Up Diags failed.\n %s Memory Test via VME bus failed.\n Address :%08xH\n Expected :%08xH\n Actual :%08xH		<log,myhost,sup>
2242577	SBAM Power Up Diags failed.\n TPS couldn't access Bulk Memory via VME bus.\n Address :%08xH\n SIMM :J%02d		<log,myhost,sup>
2242578	SBAM Power Up Diags failed.\n Bulk Memory Test via VME bus failed.\n Address :%08xH\n Expected :%08xH\n Actual :%08xH\n SIMM :J%02d		<log,myhost,sup>
2242624	Cardiac Gating must be selected with Tagging.		<log,oc,opr>
2242625	Tag spacing must be between %d and %d.		<log,oc,opr>
2242626	Insufficient available time. Reduce trigger window or views per seg		<log,oc,opr>
2242627	The number of phases must be reduced to %-d.		<log,oc,opr>
2242628	Arrhythmia rejection is incompatible with maximum number of phases = 1.		<log,oc,opr>
2242629	Arrhythmia Rejection cannot be selected when VPS is 1.		<log,oc,opr>
2242630	Views per Segment must be an even number or 1.		<log,oc,opr>
2242631	Spatial SAT is not supported with Fastcard scans		<log,oc,opr>
2242632	Please select minimum trigger delay.		<log,oc,opr>
2242633	The number of phases must be reduced to %-d.		<log,oc,opr>
2242634	Sat gap must be 10, 20 or 30 mm.		<log,oc,opr>
2242635	Time delay for IR prep dda pulse is negative.		<log,oc,opr>
2242636	Segment delay time is negative.		<log,oc,opr>
2242637	Fat or water suppression must also be selected with SpecIR.		<log,oc,opr>
2242638	Support routine set_pulse_target failed.		<log,oc,opr>
2242639	Invalid NEX for Respiratory/Cardiac Compensation.		<log,oc,opr>
2242640	Invalid Respiratory Compensation type.		<log,oc,opr>
2242641	Smartprep is compatible with only vascular TOF and vascular TOFSPGR.		<log,oc,opr>
2242642	Respiratory Triggering is not compatible with Smartprep.		<log,oc,opr>
2242643	Max. data pts exceeded. Reduce maximum monitor time or increase monitor TR or number of averages for the Multiple Average Filter.		<log,oc,opr>
2242644	Image acq. delay is too short, minimum is %d sec.		<log,oc,opr>
2242645	Smartprep is an invalid option at this time.		<log,oc,opr>
2242646	Must enter a valid value for contrast agent dose.		<log,oc,opr>
2242647	Smartprep %s failed.		<log,oc,opr>
2242648	Phase FOV less than 0.25 and greater than 1.00 are not supported.		<log,oc,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2242649	No. of slices must be %d or %d for slice order chosen.		<log,oc,opr>
2242650	%s does not support multi-slab acquisitions.		<log,oc,opr>
2242651	Spatial saturation and SpecIR are incompatible.		<log,oc,opr>
2242652	Multi-Phase and Respiratory Gating are incompatible.		<log,oc,opr>
2242653	Multi-Phase and Burst-mode are incompatible.		<log,oc,opr>
2242654	Burst time exceeded. Please reduce scan time or turn off burst mode.		<log,oc,opr>
2242655	The Single Shot option is not compatible with this PSD.		<log,oc,opr>
2242656	With %d acquisitions, the minimum number of slices should be %d.		<log,oc,opr>
2242657	Use Minimum-Full TE or increase the Frequency Encoding Matrix.		<log,oc,opr>
2242658	Resp. trigger window must be greater than resp. trigger point.		<log,oc,opr>
2242659	0.5 Phase FOV and 1024 ZIP are incompatible.		<log,oc,opr>
2242660	0.5 NEX and 1024 ZIP are incompatible.		<log,oc,opr>
2242661	The selected BSP TI must be increased to %d ms for the current prescription.		<log,oc,opr>
2242662	The selected BSP TI must be decreased to %d ms for the current prescription.		<log,oc,opr>
2242663	The selected TI cannot be greater than the BSP TI of %d ms.		<log,oc,opr>
2242664	Timed out. Unable to find a valid ECG trigger for %d secs.		<log,oc,opr>
2242665	Timed out. Unable to find a valid respiratory phase for %d secs.		<log,oc,opr>
2242666	%s must be set to either 0 or 1.		<log,oc,opr>
2242667	%s is out of range.		<log,oc,opr>
2242668	The Auto BSP TI cannot be achieved. Decrease ETL, Trig. Window, or increase BW.		<log,oc,opr>
2242669	TR exceeds the maximum allowed. Decrease NEX or # of Phase encodings.		<log,oc,opr>
2242670	The number of discarded slices must be increased to %d for the current prescription.		<log,oc,opr>
2242671	Please increase the FOV or TE for this prescription.		<log,oc,opr>
2242672	The phase FOV range supported is 0.5 to 1.0		<log,oc,prg>
2242673	Number of shots must be less than phase encode lines, if minimum TE is selected.		<log,oc,opr>
2242674	Prototype sequence. MT selected; please check SAR		<log,oc,opr>
2242675	Invalid opcoil value		<log,oc,opr>
2242676	Number of acquisitions must be between %d and %d.		<log,oc,opr>
2242677	Single shot is incompatible with FLAIR.		<log,oc,opr>
2242678	Selected TE is not valid, please choose TE from pulldown menu.		<log,oc,opr>
2242679	ssfse does not support %s.		<log,oc,opr>
2242680	ssfse is not compatible with %s.		<log,oc,opr>
2242681	Full Echo Train is incompatible with ssfse. This is a one (1) echo sequence.		<log,oc,opr>
2242682	FLAIR ssfse is not compatible with %s.		<log,oc,opr>
2242683	malloc failed for %s.		<log,oc,opr>
2242684	Pulse width for pulse %d not initialized.		<log,oc,opr>
2242685	Nominal flip angle for pulse %d is 0.		<log,oc,opr>
2242686	Use Minimum-Full TE or increase Freq Encoding Matrix		<log,oc,opr>
2242687	Only minimum TE is supported in 3plane localizer		<log,oc,opr>
2242688	Not enough memory for a scan this size: cftpssize= %d .		<log,oc,opr>
2242689	Slice Interleaving is not available with Localizer.		<log,oc,opr>
2242690	Diffusion and Burst-mode are incompatible.		<log,oc,opr>
2242691	The EPI option must be selected with this psd.		<log,oc,opr>
2242692	Number of slices must be greater than or equal to 4 with FLAIR.		<log,oc,opr>
2242693	TR must be at least 4 times longer than TI.		<log,oc,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2242694	Spin Echo Must Be Selected With Diffusion.		<log,oc,opr>
2242695	Gradient Echo not compatible With Diffusion.		<log,oc,opr>
2242696	Flow Comp not compatible With Diffusion.		<log,oc,opr>
2242697	Multiple receivers not supported With Diffusion.		<log,oc,opr>
2242698	Multi phase not supported With Diffusion.		<log,oc,opr>
2242699	Ihvw1 Out Of Range, Reduce Number Of Shots.		<log,oc,opr>
2242700	Number of Phases should exceed Number of shots if Minimum TE is selected.		<log,oc,opr>
2242701	Multiple nex not supported With Diffusion.		<log,oc,opr>
2242702	GRE is the only sequence compatible with MMode		<log,oc,opr>
2242703	this psd does not support flow compensation		<log,oc,opr>
2242704	Multi Slice has no meaning in MMode; choose a single slice		<log,oc,opr>
2242705	The fast option must be used with gating in spiral		<log,oc,opr>
2242706	Heart rate is out of range.		<log,oc,opr>
2242707	Heart rate must be between %d and %d.		<log,oc,opr>
2242708	The selected TE must be increased to %3.1f ms for the current prescription.		<log,oc,opr>
2242709	The selected TE must be decreased to %3.1f ms for the current prescription.		<log,oc,opr>
2242710	%s is incompatible with %s.		<log,oc,opr>
2242711	FLAIR Supports Only One Echo.		<log,oc,opr>
2242712	FSE Phase Correction is not compatible w/ BW's > 62.5 and < 125.0 kHz		<log,oc,opr>
2242713	Realtime Imaging Option is not available with this Pulse Sequence.		<log,oc,opr>
2242714	Water suppression is not supported in RealTime Imaging.		<log,oc,opr>
2242715	Water peak must be chosen for Realtime Imaging.		<log,oc,opr>
2242716	FlowComp and No phase wrap are the only available Imaging options with Realtime.		<log,oc,opr>
2242717	Slice Interleaving is not available with RealTime.		<log,oc,opr>
2242718	Change TE to Minimum Full to use fractional NEX.		<log,oc,opr>
2242719	Select single slice for Realtime Imaging.		<log,oc,opr>
2242720	SAT bands must be default for RealTime imaging.		<log,oc,opr>
2242721	Sat bands must be in slice select direction for Realtime Imaging.		<log,oc,opr>
2242722	Sequential is default for Single slice Reatime Imaging.		<log,oc,opr>
2242723	Realtime is available only with Fast SPGR and Fast GRE sequences.		<log,oc,opr>
2242724	Variable Bandwidth is ON by default for Fast GRE.		<log,oc,opr>
2242725	%s is not available without the option key.		<log,oc,opr>
2242726	Only ezdwi can be run at sr%d. Please type ezdwi		<log,oc,opr>
2242727	Extended Dynamic Range is not compatible with Smartprep.		<log,oc,opr>
2242728	MultiStation is not available without option key.		<log,oc,opr>
2242729	MultiStation option should not be changed for this station.		<log,oc,opr>
2242730	Concat SAT is already active for Single Slice Realtime Imaging.		<log,oc,opr>
2242731	Max. Number of Shots for DW-EPI is %d.		<log,oc,opr>
2242732	The number of images selected must be reduced to %d for the current prescription.		<log,oc,opr>
2242733	IR Prep is not compatible with Spec IR.		<log,oc,opr>
2242734	The broadband amplifier is not available. Please select nucleus 1.		<log,oc,opr>
2242735	%s has been changed to %0.0f. Reenter %s.		<log,oc,opr>
2242736	The CV %s must be in the range %.2f to %.2f.		<log,oc,opr>
2242737	This sequence does not support multi-coil acquisitions.		<log,oc,opr>
2242738	EZDWI is not compatible with SR120 or SR150 systems.		<log,oc,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2242739	Flow comp. along the A/P frequency direction is not supported for sagittal FOVs greater than 35cm.		<log,oc,opr>
2242740	The maximum number of shots with vrgf is %d.		<log,oc,opr>
2242741	This scanner config. does not support ramp sampling.		<log,oc,opr>
2242742	The max b-value for this prescription is %d s/mm2.		<log,oc,opr>
2242743	The minimum b-value for this prescription is %d s/mm2.		<log,oc,opr>
2242744	Square pixel and Flow Compensation are the only options allowed with the Realtime mode of Echotrain FGRE.		<log,oc,opr>
2242745	T1flair is not compatible with FLAIR pulse sequence.		<log,oc,opr>
2242746	T1flair is not compatible with extended dynamics range option.		<log,oc,opr>
2242747	For PROBE, total number of scans, %d, must be an even multiple of NEX.		<log,oc,opr>
2242748	%s is allowed in Picture This Mode only.		<log,oc,opr>
2242749	Echo-train doesn't allow Spatial SAT in real-time mode.		<log,oc,opr>
2242750	Echo-train doesn't allow Fat/Water SAT in real-time mode.		<log,oc,opr>
2242751	Only etl of 2, 4, 8 or 12 allowed with Echotrain FGRE.		<log,oc,opr>
2242752	Etl >1 supported only in fgret executable.		<log,oc,opr>
2242753	Must select Minimum Full TE for Echotrain.		<log,oc,opr>
2242754	EDR is not supported in this PSD.		<log,oc,opr>
2242755	Yres should be a multiple of views per segment.		<log,oc,opr>
2242756	Views per segment is not a multiple of etl.		<log,oc,opr>
2242757	(yres * phasefov) should be divisible by etl.		<log,oc,opr>
2242758	(yres * phasefov) is not an even multiple of etl.		<log,oc,opr>
2242759	Perfusion prep and CINE multi-phase are not compatible		<log,oc,opr>
2242760	Only Gradient Recalled Echo is currently supported in Echotrain.		<log,oc,opr>
2242761	Maximum number of slices is %d.		<log,oc,opr>
2242762	Minimum number of slices is %d.		<log,oc,opr>
2242763	Turbo acquisition can only be set at 125khz rbw.		<log,oc,opr>
2242764	Rampsampling can only be set at 125Khz rbw for Echotrain.		<log,oc,opr>
2242765	The Spiral option is not supported in this scan.		<log,oc,opr>
2242766	Echotrain imaging option is not available for this scan.		<log,oc,opr>
2242767	Reduce the number of readout points to %d or less		<log,oc,opr>
2242768	The number of arms needs to be reduced to %d		<log,oc,opr>
2242769	Cardiac gating should be on for the sequential option		<log,oc,opr>
2242770	The sequential option must be chosen for multi-phase		<log,oc,opr>
2242771	Increase the slice spacing to %f mm		<log,oc,opr>
2242772	Spatial SAT is not allowed in this PSD.		<log,oc,opr>
2242773	TURBOACQ is not supported with 1 coil in Echotrain.		<log,oc,opr>
2242774	need perfusionKey or RTETKey to enable echotrain Rx.		<log,oc,opr>
2242775	need perfusionKey for this echotrain Rx.		<log,oc,opr>
2242776	only realtime echotrain Rx is allowed.		<log,oc,opr>
2242777	need RTETKey for this echotrain Rx.		<log,oc,opr>
2242778	T2prep imaging option is not available for this PSD.		<log,oc,opr>
2242779	Spectral-spatial RF is not available for this PSD.		<log,oc,opr>
2242780	decrease no of R-R intervals or no of phases.		<log,oc,opr>
2242781	The number of readout points must be an even number.		<log,oc,opr>
2242782	The interleave option is not available as a type-in.		<log,oc,opr>
2242783	dfm_bintable is NULL or dfm_index (%d) is out of range [0-%d)		<log,myhost,opr>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2242784	dfm_asciitable is NULL or dfm_index (%d) is out of range [0-%d]		<log,myhost,opr>
2242785	Unable to open the file %s		<log,myhost,opr>
2242786	Unable to allocate dfm_bintable		<log,myhost,opr>
2243200	Slice not found in Slice Collection		<myhost,log,prg>
2243201	File required by geometry not found on system		<myhost,log,prg>
2243202	Unknown file format for gradwarp initialization		<myhost,log,prg>
2243203	Illegal argument to function in Geometry		<myhost,log,prg>
2243204	Start RTIA data is null		<myhost,log,prg>
2243205	Coil Check failure		<myhost,log,prg>
2243206	Wrong prescription - Slice center outside coil radius		<myhost,log,prg>
2243207	Incorrect or null argument to function in Geometry		<myhost,log,prg>
2243208	Parent model of factory is null		<myhost,log,prg>
2243209	The scanning location is outside the useful range of the installed coil.		<myhost,log,prg>
2243210	Property veto exception occurred on setting slice		<myhost,log,prg>
2243300	It is not possible to apply to a series with a different patient position. Select another series.		<log,opr,myhost>
2243301	It is not possible to apply to a series with a different patient entry. Select another series.		<log,opr,myhost>
2243302	It is not possible to apply to a spectroscopy series. Select another series.		<log,opr,myhost>
2243303	It is not possible to apply to a CINE series. Select another series.		<log,opr,myhost>
2243304	It is not possible to apply to a Motsa series. Select another series.		<log,opr,myhost>
2243305	It is not possible to apply to a graphically prescribed series. Select another series.		<log,opr,myhost>
2243306	It is not possible to apply to an oblique series when the start and end locations are the same. Define different start and end locations.		<log,opr,myhost>
2243307	There is a mismatch between the plane of the start and end locations and the plane of the selected series. Select another series.		<log,opr,myhost>
2243308	The start location is outside the useful range of the current coil. Select a different start location.		<log,opr,myhost>
2243309	The end location is outside the useful range of the current coil. Select a different end location.		<log,opr,myhost>
2243310	It is not possible to retrieve from a spectroscopy series. Select another series.		<log,opr,myhost>
2243311	It is not possible to retrieve from a Cine series. Select another series.		<log,opr,myhost>
2243312	It is not possible to retrieve from a Motsa series. Select another series.		<log,opr,myhost>
2243313	It is not possible to retrieve from a graphically prescribed series. Select another series.		<log,opr,myhost>
2243314	There is no defined start and end locations in the retrieved series. Select another series.		<log,opr,myhost>
2243315	Critical Error. Failed to communicate with Lx Scan		<log,prg,myhost>
2243316	Start location is not compatible with new end location. The start location has been cleared.		<log,opr,myhost>
2243317	End location is not compatible with new start location. The end location has been cleared.		<log,opr,myhost>
2243318	It is not possible to retrieve from a 3-plane localizer series. Select another series.		<log,opr,myhost>
2243319	It is not possible to apply to a 3-plane localizer series. Select another series.		<log,opr,myhost>
2243320	Locs Applied:%s, Locs/Acq:%s, Acqs:%s, Thickness:%s, Spacing:%s		<log,opr,myhost>
2243400	A new home cannot be defined while the scanner is paused. Resume scanning to define a new home.		<myhost,log,opr>
2243401	A home location cannot be recalled while the scanner is paused. Resume scanning to recall a home location.		<myhost,log,opr>
2243402	A new home is already being defined. Wait for this define to complete before defining another new home.		<myhost,log,opr>
2243403	The selected home location is not defined. Select another home location.		<myhost,log,opr>
2243404	Recall of a home location has failed. Try again in a moment.		<myhost,log,opr>
2243550	ReView failed to get a handle to the Component Registry		<myhost,log,prg>
2243551	ReView failed to create a ReViewComInterface		<myhost,log,prg>
2243552	Review operations are not possible due to a system error. Select Acquire or Close.		<myhost,log,prg>
2243553	ReView failed to retrieve an interface to %s		<myhost,log,prg>
2243554	Review operations have been disabled because no images have been acquired. Select Acquire or Close.		<myhost,log,prg>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
2243555	An image save is currently in progress. Wait for the save to complete to Close.		<myhost,log,prg>
2243556	A frame rate of %s is not allowed. The frame rate has been set to %s.		<myhost,log,prg>
2243557	An image save is currently in progress. Wait for the save to complete to play images.		<myhost,log,prg>
2243558	Illegal play mode specified, reset to previous play mode		<myhost,log,prg>
2243559	Play could not be started because there is only one image in the play buffer. Acquire more images to play.		<myhost,log,prg>
2243560	Range invalid, no playback possible		<myhost,log,prg>
2243561	Illegal play type specified, reset to previous play type		<myhost,log,prg>
2243562	Selecting images is not possible during image play. Stop play to select an image.		<myhost,log,prg>
2243563	Modifying the image range is not possible during image play. Stop play to modify the image range.		<myhost,log,prg>
2243564	Saving an image is not possible during image play. Stop play to save images.		<myhost,log,prg>
2243565	An image save is in progress. Wait for the save to complete to save another image.		<myhost,log,prg>
2243566	Saving an image range is in progress. Wait for the save to complete or cancel the save to save an image.		<myhost,log,prg>
2243567	Saving an image range is not possible during image play. Stop play to save images.		<myhost,log,prg>
2243568	Only one range of images can be saved at a time. Wait for the save to complete or cancel the save to save another image range.		<myhost,log,prg>
2243569	Saving an image is not possible while saving a range of images. Wait for the save to complete or cancel the save to save an image.		<myhost,log,prg>
2243570	Saving an image range is being canceled.		<myhost,log,prg>
2243571	Saving an image range has been canceled.		<myhost,log,prg>
2243572	First image in range not specified		<myhost,log,prg>
2243573	Last image in range not specified		<myhost,log,prg>
2243574	Setting the image range has resulted in a start value greater than the end value. The values of start and end have been switched.		<myhost,log,prg>
2243575	An error has prevented an image save from being successful. Try again in a moment.		<myhost,log,prg>
2243600	RIRproxy communication failure. When:%s.		<myhost,log,prg>
2243601	RIRProxy clients request unsuccessful. RIR couldn't change state to %s.		<myhost,log,prg>
2243602	The number of images acquired in this series has reached its maximum.		<myhost,log,prg>
2243700	Not able to Close due to operations in progress. Try again in a moment.		<myhost,log,opr>
2243701	Scan Proxy received unknown lxscan event.		<myhost,log,prg>
2243702	Another operation already in progress has caused apply to be unsuccessful. try again in a moment.		<myhost,log,opr>
2243703	Illegal Series number. Apply failed.		<myhost,log,prg>
2243704	An internal error has caused apply to be unsuccessful. Try again in a moment.		<myhost,log,prg>
2243705	An internal error has caused retrieve to be unsuccessful. Try again in a moment.		<myhost,log,prg>
2243706	Illegal Series number. Retrieve failed.		<myhost,log,prg>
2243707	An internal error has caused save to be unsuccessful. Try again in a moment.		<myhost,log,prg>
2243708	Illegal Series number. Save failed.		<myhost,log,prg>
2243709	Scan Proxy close session failed.		<myhost,log,prg>
2243800	TPSproxy communication failure. When:%s.		<myhost,log,prg>
2243801	The scanner (TPS) is being reset. Please select Review or Close.		<myhost,log,opr>
2243802	The scanner (TPS) has been reset. Please select Review or Close.		<myhost,log,opr>
2243803	TPSProxy received a bad parameter.%s.		<myhost,log,prg>
2243804	TPSProxy did not find the value of RSP ID %s.We might have a wrong psd.		<myhost,log,prg>
2250001	The option key %s has expired.		<log,myhost,prg>
2250002	The date has been backtracked. No option keys will be available. Set the \n\ date to present date to enable the option keys.		<log,myhost,prg>
3232600	Initialization of raw data base failed, %%d		<opr,myhost,log>
3232601	Finding last raw file run number failed, %%d		<opr,myhost,log>
3232602	There is no raw data in BAM		<opr,myhost,log>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
3232603	Opening the last raw filed failed, %%d		<opr,myhost,log>
3232604	Reading the last raw header failed, %%d		<opr,myhost,log>
3232605	Closing the last raw file failed, %%d		<opr,myhost,log>
3232606	Enter exam number		<opr,myhost,log>
3232607	Initialization of image library failed, %%d		<opr,myhost,log>
3232608	Select exam failed, %%d		<opr,myhost,log>
3232609	Select series failes, %%d		<opr,myhost,log>
3232610	Select image failed, %%d		<opr,myhost,log>
3232611	Reading image header failed, %%d		<opr,myhost,log>
3232612	Validation of selected raw file failed, %%d		<opr,myhost,log>
3232613	The data for the selected raw file is invalid		<opr,myhost,log>
3232614	Save the selected slice (0) or the whole scan (1)?		<opr,myhost,log>
3232615	Locking the raw file failed, %%d		<opr,myhost,log>
3232616	Raw file %%d has been locked to disk		<opr,myhost,log>
3232617	Validation of raw file %%d failed, %%d		<opr,myhost,log>
3232618	The data for raw file %%d is invalid		<opr,myhost,log>
3232619	Locking of raw file %%d failed, %%d		<opr,myhost,log>
3232620	Press 'ENTER' to Continue		<opr,myhost,log>
3232621	Initialization of IO library failed\n		<opr,myhost,log>
200002300	Could not move %s from the WaitList to the ReadyList.		<prg,log,myhost>
200002301	Error in function \"%s\"."		<prg,log,myhost>
200002302	Keyword %s not found in configuration file %s		<prg,log,myhost>
200002303	Could not perform action %s on software signal %s; system error (errno): %s		<prg,log,myhost>
200002304	received invalid input from caller, argument: %s		<prg,log,myhost>
200002305	The precursor %s, required for %s was not found, so it will be removed.		<prg,log,myhost>
200002306	Failed to remove the undefined precursor %s from %s's precursor list.		<prg,log,myhost>
200002307	The maximum allowable size of the temporary array: %s was exceeded		<prg,log,myhost>
200002308	A failure occurred processing the following input string:\n%s		<prg,log,myhost>
200002309	cupMonitor received the following unknown message %d, from %d, known as %s.		<prg,log,myhost>
200002310	cupMonitor received an unrecognized IPC event %d.		<prg,log,myhost>
200002311	cupMonitor could not register signal %d.		<prg,log,myhost>
200002312	cupMonitor had no processes to start, so terminated.		<prg,log,myhost>
200002313	cupMonitor could only start %d processes.\nIt is terminating because there were more to start that failed.		<prg,log,myhost>
200002314	Unable to add %s to the precursor wait list.		<prg,log,myhost>
200002315	Unable to add %s to the no precursor ready list.		<prg,log,myhost>
200002316	Application %s was prevented from running by environment variable NO_%s.		<prg,log,myhost>
200002317	%s could not terminate due to unsatisfied stop precursors.		<prg,log,myhost>
200002318	%s was started with a debugger and was not timed for start-up.		<prg,log,myhost>
200002319	A call to get the current time() has failed.\n\nThe sys_errlist[%d] is: %s		<prg,log,myhost>
200002320	A child unknown to cupMonitor was reaped, pid = %d		<prg,log,myhost>
200002321	No processes could be shutdown, skipping precursor limitations and trying again.		<prg,log,myhost>
200002322	No processes could be shutdown, so exiting.		<prg,log,myhost>
200002323	No processes could be started, so exiting.		<prg,log,myhost>
200002324	A precursor could not be removed from the %s list, so cupMonitor terminated.		<prg,log,myhost>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
200002325	There was no INIT_STRUCT entry for %s, continuing to shut down host.		<prg,log,myhost>
200002326	Could not obtain the time to set timers, errno = %d.\nDisabling timers and hoping for the best.		<prg,log,myhost>
200002327	cupMonitor failed to kill %s, continuing on.		<prg,log,myhost>
200002328	Failed to enable timing. Running open loop on process starting and terminating.		<prg,log,myhost>
200002329	Failed to free up some processes for termination.		<prg,log,myhost>
200002330	Failed to restart %s despites its init files desired to do so.		<prg,log,myhost>
200002331	SIGTERM to %s failed (%d), errno = %d.		<prg,log,myhost>
200002332	SIGQUIT to %s failed (%d), errno = %d.		<prg,log,myhost>
200002333	SIGKILL to %s failed (%d), errno = %d.		<prg,log,myhost>
200002334	Unable to adjust the priority of %s to %d, status = %d.		<prg,log,myhost>
200002335	Unable to fork for %s.		<prg,log,myhost>
200002336	Unable to exec %s!!		<prg,log,myhost>
200002337	Unable to set %s in the environment.		<prg,log,myhost>
200002338	Unable to start the AW (sdc) processes, errno = %d.		<prg,log,myhost>
200002339	Unable to send the PROC_INIT_COMPLETE message.		<prg,log,myhost>
200002340	Unable to initialize ecomm, status = %d.		<prg,log,myhost>
200002341	Unable to provide ecomm service %s, status = %d.		<prg,log,myhost>
200002342	Unable to register for ecomm event %d, status = %d.		<prg,log,myhost>
200002343	Unable to register for default ecomm events, status = %d.		<prg,log,myhost>
200002344	Unable to start the SBC processes, errno = %d.		<prg,log,myhost>
200002345	An unknown message was received, message identifier = %d		<prg,log,myhost>
200002346	Unable to register for ecomm disconnect, status = %d.		<prg,log,myhost>
200002347	The System Software is starting.....		<prg,log,myhost>
200002348	The System Software has terminated.		<prg,log,myhost>
200002349	Unable to redirect the DISPLAY output to the left screen. Continuing anyway.		<prg,log,myhost>
200002350	The process %s was not found. Could not %s it.		<prg,log,myhost>
200002351	The state of process %s was not such that it could be %sed.		<prg,log,myhost>
200002352	A HOST_SHUTDOWN was initiated by the death of %s.		<prg,log,myhost>
200002353	A HOST_SHUTDOWN was NOT initiated by the death of %s due to environmental override.		<prg,log,myhost>
200002354	An unexpected death of %s caused it to be restarted.		<prg,log,myhost>
200002355	An unexpected death of %s caused operator notification of its demise.		<prg,log,myhost>
200002356	%s died unexpectedly, no action being taken.		<prg,log,myhost>
200002357	A HOST_SHUTDOWN was initiated by the death of %s since other processes depend on it to come up.		<prg,log,myhost>
200002358	Software malfunction. Restart system at your convenience.		<prg,log,myhost>
200002359	OK		<prg,log,myhost>
200002360	OC initializing. Please wait . . .		<prg,log,myhost>
200002361	System shutting down. Please wait . . .		<prg,log,myhost>
200002362	SBC has gone down. Terminate system operation at your earliest convenience.		<prg,log,myhost>
200002363	The SBC failed to start within the allotted timeout. System shutdown initiated. startProcOC state %d.		<prg,log,myhost>
200002364	Signal %d was received, causing a system shutdown.		<prg,log,myhost>
200002365	Application process failed to connect to cupMonitor.		<prg,log,myhost>
200002366	Application process failed to establish IPC handlers.		<prg,log,myhost>
200002367	Application process could not send IPC message to cupMonitor.		<prg,log,myhost>
200002368	A set of processes are deadlocked waiting for each other to start.\n\"%s\" are the likely culprits.\nThis deadlock has caused the system to shutdow		<prg,log,myhost>
200002369	The process %s does not exist or is not executable. System will not be started!		<prg,log,myhost>

## ERROR CODE LIST

ERROR CODE	MESSAGE	COUNTERMEASURE	CONTROL
200002370	The '%s' executable was not found or was not executable. System startup cannot commence. Call Service.		<prg,log,myhost>
200002371	The '%s' init file was invalid. System startup cannot commence. Call Service.		<prg,log,myhost>
200002372	The process %s took too long to start up.		<prg,log,myhost>
200002373	Unable to send SBC STARTED message. status = %d.		<prg,log,myhost>
200002374	Unable to send SBC STILL HERE message. status = %d.		<prg,log,myhost>
200002375	OC unable to send Host Watchdog message to SBC. status = %b.		<prg,log,myhost>
200002376	OC did not receive Host Watchdog response message from SBC within %d milliseconds.		<prg,log,myhost>
200002377	Service %s received unknown message with event code %d, subcode %d from service %s		<prg,log,myhost>
200002378	OC received SBC STARTED message again		<prg,log,myhost>
200002379	Process %s, pid %d exited with status=%d		<prg,log,myhost>