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DESCRIPTION

To ensure that the room environment meets the specifications required for proper equipment operation, it is necessary that a temperature and humidity check be performed.

With a temperature and humidity recorder, record the parameters specified in Table 1 over an extended period of time.

TABLE 1
TEMPERATURE AND HUMIDITY SPECIFICATIONS

	Temperature Range °F (°C)	Temperature Regulation °F (°C)	Temperature Change °F/Hr (°C/Hr)	Humidity (%)	Humidity Change (%/Hr)	Max. Room Gradient °F (°C)
Inlet to Computer/ Equipment	50-70* (10-21.1) *See Note - 1 65 (18.3) desired temperature	± 5 (3) within temperature range	5 (3)	30-60* *See Note - 1	5	5 (3)** **See Note - 2
Magnet Room	≤ 70 (21.1)	per patient comfort	5 (3)	30-60* *See Note - 1	5	5 (3)
Operator's Control Room or Independent Console Room	68-78* (20-25) *See Note - 1 72 (22.2) desired for operator comfort	per patient comfort	5 (3)	30-60* *See Note - 1	5	5 (3)
Note - 1: Non-condensing humidity with 50% nominal at 65°F (18.3°C).						
Note - 2: Room temperature gradient specification applies from floor to height of top discharge of equipment cabinets.						

Note

Although prior check out of the air conditioning system may have been performed, there is a need to balance the system to match Signa equipment heat load (all cabinets and modules turned on).

To help prevent a patient from feeling uncomfortably warm during a scan, ensure that the magnet room temperature does not exceed 70°F (21.1°C) maximum.

REVISION HISTORY

REV	DATE	AUTHOR	PRIMARY REASONS FOR CHANGE
0	Jun 30, 1998	L. Loehrer	Converted Toolbook document to MS Word 7.0