RACK 5
EAST DETECTOR PLATFORM
WATER AND HUMIDITY SENSORS
+5V POWER MONITOR
RED = NO POWER

WATER LEAK SENSORS
WATER SENSOR GRAND "OR"

MAJORITY LOGIC

+5V POWER MONITOR
RED = NO POWER

DIRC WATER AND HUMIDITY SENSOR LOGIC
Lawrence Berkeley National Laboratory, 1998

DIRECT WATER AND HUMIDITY SENSOR LOGIC

VCC LOCAL
VCC REMOTE (RACK 5)
GND (LOCAL = REMOTE)

\[ |Vcc| > 0.25V \]

POWER OK
NO POWER

< 4.75 V
< 4.50 V
> 5.25 V
> 5.50 V

RED = WATER LEAK
GREEN = OK
YELLOW = WARNING
RED = TROUBLE

LATCH DELAYED
DIRECT
LATCH DELAYED
DIRECT
LATCH DELAYED
DIRECT
LATCH DELAYED
DIRECT

RED = INHIBIT
GREEN = RESET
RED = TROUBLE
YELLOW = WARNING
GREEN = OK

RESET AT POWER ON

Hold for 5 sec to discharge delay capacitors
INHIBIT SWITCH

RESET SWITCH

SIGNALS PER BARBOX:
- PRIMARY WATER SENSOR (12)
- SECONDARY WATER SENSOR (8)
- HUMIDITY SENSOR (12)
- ULTRASONIC FLOW SENSOR (2)