PZT Controller

Vacuum Gauges
Located in black ABS box inside instrument
RS-422 TO RS-232 CONVERTER
COMMUNICATIONS TO PZT CONTROLLER

+/- 15 VDC POWER SUPPLY
115VAC & +/- 15VDC BREAKOUT

INSULATION
BULKHEAD
COOLENT LINES
VACUUM GAUGES
VARIAC 1 OF 3

BLACK ABS BOX INSIDE INSTRUMENT
IMACS MCS CABLE WRAP

- Coolant Lines
- Cryotiger Coolant Lines
- Electrical Cables
DISPERSER CAROUSEL BRAKE

DISPERSER CAROUSEL MICROSWITCHES

MAIN DISPERSER CONNECTOR FROM INSTRUMENT BULK-HEAD

DISPERSER BREAKOUT BOX
RACK 2 FRONT PANELS

L05 LONG CAMERA FOCUS CONTROLLER
LONG CAMERA POWER SUPPLY
SHORT CAMERA POWER SUPPLY
GUIDER CAMERA POWER SUPPLY
RS-422 & PRESSURE TRANSDUCER EXCITATION
MCS CHASSIS 1

DIGITAL I/O MR1B

ALTERA HARD-STOP LOGIC

DIGITAL I/O MR1C

CENTER FIELD GUIDER DRIVER

FILTER SERVER 2 DRIVER

MASK SERVER DRIVER

FILTER SERVER 1 DRIVER
MCS CHASSIS 2

- FRONT VIEW
- REAR VIEW
- DIGITAL I/O MR2A
- DIGITAL I/O MR2B
- ALTERA HARD-STOP LOGIC
- 5.6 VDC POWER SUPPLY FOR ENCODERS
- SHACK-HARTMANN RADIAL
- SHACK-HARTMANN THETA
- PRINCIPAL GUIDER
MCS CHASSIS 3

FRONT VIEW

REAR VIEW

DIGITAL I/O MR3B

DIGITAL I/O MR3A

ALTERA HARD-STOP LOGIC

LAMP 6 HALOGEN DIGITAL PHASE CONTROL

GRATING TILT A DRIVER

GRATING TILT B DRIVER

GRATING TILT C DRIVER

DISPERSER CAROUSEL DRIVER
MCS CHASSIS 4

FRONT VIEW

REAR VIEW

DIGITAL I/O MR4A

ALTERA HARD-STOP LOGIC

48VDC POWER SUPPLY PHYTRON MOTORS

LONG CAMERA GECKO DRIVER

SHORT CAMERA GECKO DRIVER

IMACS STRUCTURE ROTATOR DRIVER
MCS DOS COMPUTER

- Front View
- Single-Board Computer
- Silicon Flash Disk
- Memory
- Floppy
- Motion Control Indexer Cards
- Digital I/O
- PC Power Supply
- Backup Hard Disk