Southern African Large Telescope
Prime Focus Imaging Spectrograph

Spares List

SALT-3170AM0006

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Modification Record

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Strategy

Our spares strategy is to provide spares for those items that can reasonably be expected to be needed to commission and operate PFIS.

Optics

We will not provide any spare optics.

Actuators

We have selected standard actuators (pneumatics and motors) from large and well-known suppliers. Replacements are easily available, and spares will not be provided.

Sensors

We have selected sensors from a small number of well-known suppliers, and replacements...
are easily available. We will supply a selection of Hall effect sensors and reed switches as spares for installed items.

**COTS Electronics**

We will provide spares for the following bought-out items:

- 1 MXI fiber backplane extender (both ends, 2 cards)
- 1 pair MXI fiber
- 1 PXI Chassis
- 1 PXI-7334 motion control card
- 1 PXI-842x RS232 serial interface card
- 1 TBD +24V power supply
- 1 TBD +5V power supply

**Custom Electronics**

We will have custom electronics boards in the PFIS control system. The boards include interlock electronics (using programmable logic devices) and signal conditioning electronics for analog sensors and other devices.

Our printed circuit board (PCB) vendor ships board orders in lots of 5 or 10 pieces. We will populate 2 boards of each order: one to be installed in the PFIS control system, and another as a spare. We will also provide the remainder of the board lot (unpopulated) for future use.