

Palomar Site -- 60-inch Project Status

6/25/03

Upgrades	Task	
Preparation and Review	Preparation and Review	Completed
Weather Station	Purchase Components	Completed
	Software - Implement Display Window on TCS	Completed
	Install Components and Associated Wiring	Completed
	Install Temperature Sensors	In Progress
Windscreen	Upgrade/Install New Limits	Est. Completion 7/10/03
	Refurbish Rheostat (WS encoder)	Design complete - waiting for time to build
	Check Hard Stops	Completed
Dome Shutter	Install Additional Open/Close Limits	Completed
	Sense Circuit- Open/Close Limits on 1 slip ring	In Progress
	Wind Screen - Implement Time Delays For Motors	Waiting Parts
	Install Remote Close Switch at 200-inch	Est. Completion 8/30/03
Telescope	Mount New Focus Encoder	Est. Completion Mid July
	Build New Focus Encoder Interface Box	Completed
	Mount Remote Sensors on Optic to Ck For Mirror Movement	July
	Install Telescope Insulation (Same as 48-inch)	Est. Completion Mid July
	Aluminize Primary & Secondary	Late July to Early August
TCS	Implement Slew Electrical	Completed
	Build SSR Input Box with 32 Lines	Completed
	Software - "Stow" Command	Completed
	Software - New Code to Modify Existing Go Command	Completed
	Dec Limits - Rewire for TCS Sensing	Est. Completion Before 8/01/03
	Dec Slew - New relay for Minirick & Clutch Control	Completed
	Dec Clutch - Install TCS sense Circuit	Est. Completion Before 8/01/03
	R.A. Limits - rewire for TCS Sensing	Est. Completion Before 8/01/03
	R.A. Clutch - Install TCS sense Circuit	Est. Completion Before 8/01/03
	R.A. Slew - New relay for Minirick & Clutch Control	Completed
	Dome Rotation Control Trip - Implement Sensing Circuit	Est. Completion Before 8/01/03
	Focus Limits - rewire for TCS Sensing	Completed
	Software - Telescope Intit Command	Est. Completion Before 8/01/03
	Software - Code to Protect 'Scope When Dome Shutter Close	In progress
	Software - New Code to Modify Existing Go Command	Completed
	Software - Switch/Word to Decouple TCS from Guest Computer	Software design In progress
	Software - Convert Rate Tracking Algorithm	Completed
	Software - Create & Implement New Software Commands [Open Dome Shutter, Close Dome Shutter,Focus Up & Dn, etc.	In Progress
	Software - New Header for Remote Status	In Progress
	Software - Watchdog/Error Checking Routines	In Progress
Software - Warning Horn on Slew	Wiring Complete - Software to be Written	
Building	Install Warning Horns (Slew & Powerup)	Completed
	Install Emergency Trip Buttons on each Floor	Completed
	Install Current Monitors for Critical Equipment	Waiting Parts
	Install 3-phase Sensors for Critical Equipment	Waiting Parts
	Web Camera Installation	Under Review
	GENERATOR - Contractor Installed	Obtaining Bids Est. Completion Sept 15, 2003
	GENERATOR Install Components & Associated Wiring	Obtaining Bids Est. Completion Sept 15, 2003
	Install Fire Alarms	Under Review
	Build mounting Panel For SSR Panel in Comp Rm	Completed