

6) Proposed Schedules for 2010

We seek Board approval for the detailed allocation of nights from July 5, 2010, through January 4, 2011, encompassing summer shutdown and observing semester 2010B.

Summer Shutdown

The planned summer shutdown will be intense and contains a number of critical projects. The major efforts include:

- Aluminizing the SX primary mirror
- Upgrading the SX mirror support hardpoints
- Removing the AO secondary and aluminizing the Thin Shell
- Upgrading the entire mountain computer network
- Remodeling the Level 2 computer room with greatly increased cooling
- LUCIFER team's major maintenance and upgrade of LUCIFER1

Other efforts of considerable importance during this period:

- Washing the DX primary mirror
- Repairing the encoder on the Right Front Bent Gregorian rotator
- Completing installation of the Right Direct Gregorian rotator
- Preparing the pier for PEPSI
- Complete reworking of the Upper Left Treehouse
- Maintenance of guiding and wavefront cameras in AGw#3 and 4
- Installation of MODS1
- Installation of LBTI (subject to Board approval)
- Installation of the ARGOS lower platforms

For consideration, here is the current version of the high-level shutdown schedule. Note that the activities continue until September 13, at which point on-sky recommissioning can begin.

Proposed Shutdown Schedule for Summer 2010

This schematic plan must be validated with real project estimates, but it gives us a framework for maximum activity.

Week/Day	Task
June daytime	DX Direct Gregorian prep
Jun 28 (week)	Pull AGw#4, IRTC, AGw#2 Move MODS out of Mtn Lab
July 5	Pull LUCIFER; LUCIFER-> Mtn Lab
July 6	Relocate computers to temporary ops

July 7	Move LUCIFER computer to clean room Remove AO secondary hub -> Mtn Lab Start installation of temporary fibers Start upper left treehouse tear-out
July 7-10	Remove SX hardpoints
July 12	Start SX Mirror cell rewiring Start 6-week computer room remodel
Jul 13 – 15	Service AGw#3 with work platform DX primary wash
July 19	SX Mirror Cell checkout Pull RFBG Rotator bearing, using work platform
July 26	Start SX aluminizing prep (incl pulling M3)
July 30	LUCIFER re-installation
July 30 – Aug 1	LUCIFER checkout – 2 nd shift
Aug 2	SX aluminizing
Aug 9 – 10	Aluminizing clean-up
Aug 11 – 14	DX DG installation
Aug 16	RFBG re-install: bearing, motors, encoder heads /platform MODS into Mtn Lab
Aug 19	AGw#2 reinstall on RFBG
Aug 20	Re-install IRTC, Remove work platform
Aug 23	SX hardpoint re-install Computers reinstalled, new network gear install Reconfigure Upper Left Treehouse
Aug 28	MODS out of Mtn Lab
Aug 29	AO Unit reintegration in Mtn Lab begins
Aug 30	Network functionality verification – 2 nd shift all week
Aug 30 – Sep 2	MODS install
Sep 3 – 6	SX re-commissioning
Sep 3 – 4	LBTI install
Sep 7 – 8	DX AO Secondary reinstall
Sep 9	LBC Reinstall
Sep 10 – 11	ARGOS platform install
Sep 13	Re-balance
Sep 13	Start on-sky recommissioning

Other tasks to be scheduled: Details of Thin Shell aluminizing, compressor replacement, pier floor and walls coating for PEPSI, Level 1 bathroom floor repairs.

Observing Schedule for 2010B

The draft observing schedule has been developed from some basic assumptions. The first is that we will continue to make a roughly even split between partner science observing and commissioning activities. Second is that the ledger of nights as presented in Section 12 reflects the true current situation, and that the proposal for equalizing over one or two additional semesters is acceptable. Third is that the completion of commissioning for AO, MODS, and binocular TCS are the priorities for use of technical time. The commissioning of the DX Direct Gregorian (MODS) focal station is therefore deferred to a later date. That could impact the start of commissioning for AO Unit#2, depending on the details of system delivery. (As discussed in the next subsection, the intention would be to move MODS1 over to the DX side, and use the IR Test Camera at SX Direct to commission AO Unit#2.) The schedule can be modified if the Board chooses priorities different from those for either science or technical observing.

2010B Schedule – V4

Sep 13 – 21	Telescope & SX (LBC & LUCIFER) Recommissioning (AO retro)
Sep 22 – 27	MODS AGw & MODS commissioning
Sep 28	LBTO Science Prep
Sep 29 – Oct 5	OSU/RC
Oct 6 – 10	Italy
Oct 11 – 16	Arizona
Oct 17	LBTO Software Commissioning
Oct 18 – 28	AO Commissioning
Oct 29 – 31	LBTO Software Commissioning + Science Prep
Nov 1 – 6	LBTB
Nov 7 – 12	Arizona
Nov 13	LBTO Software Commissioning
Nov 14 – 20	MODS Commissioning
Nov 21 – 27	AO Commissioning
Nov 28 – 29	LBTO Science Prep
Nov 30 – Dec 4	Italy
Dec 5 – 12	OSU/RC
Dec 13 - 14	LBTO Software Commissioning
Dec 15 – 19	MODS Commissioning
Dec 20 – 23	LBTO Software Commissioning
Dec 24 – 25	Closed
Dec 26 – 27	LBTO Science Prep
Dec 28 – 29	LBTO Director
Dec 30 – Jan 4	LBTB