



LED Minutes of Meeting

La Silla

Subject: Engineering Meeting No.: 11/2005

Date: 23.05.05

1. La Silla Pending Problems:
 - a. 3.6m Centerfield mirror gets stuck: As mentioned in a previous meeting the bearing exchange will take place at the end of HARPS run (end of June).
 - b. 3.6m "slow" readout mode is noisy: PSI will work on this in the period starting 1st of June to the 15th of June.
 - c. 3.6m Chopper amplitude is not right: This is a serious problem that have to be worked by JVA asap. No one from the LIN Team was present.
 - d. 3.6m TEL.TARG.PMA and PMD range: This requirement must be done through an Action Point.
 - e. 3.6m ASA (seeing from guide camera) displays wrong value: Bug found at ASA calculation. Fixed and tested at the telescope. EBA will bring this point as a Technical Action Point. At HARPS was already corrected, but still FEROS to be worked. Time being it has been returned to SciOps for monitoring.
 - f. NTT FIERA dead: Is not very clear what kind of problem appeared. Returned to Sci-Ops for monitoring.
 - g. NTT Autoguider status frozen: It5aga, It5agb scan links corrupted; re-installed at the telescope.
2. Points from the previous meeting:
 - The 2.2m and 3.6m UPS were ordered.
3. Ongoing Projects:
 - a. TIMMI 2 and F/35 M2 Control: No report was given as JVA was not present.
 - b. Harps High Efficiency Fiber (EGGS): FDR resulted in serie of actions. JSP required the necessity to study alternatives that prevent the head exchange in the HARPS adaptor. Alternatives under study are: To couple the EGGS fibre to the CES fibre at the splicing zone, To change adaptors by using the old CES adaptor or to add a 3rd fiber at the EGGS head to be used by CES.
 - c. M1 3.6m Lateral Pads: The PDR was followed with the presentation of different design alternatives. Two alternatives are with the highest preferences: the new modules MEN M modules or the CAN Open Modules. Waiting for the document coming from the PDR meeting, but AMA is on sick leave.
 - d. NGTCCD: Tests on Paranal with the new TCCD was a success. Many problems were solved during these days. At La Silla a test bench is under preparation.
 - e. GROND: J.Greiner informed that at the beginning of June the M3 mechanics will be sent to La Silla. It's planned to test it during the M1 mirror coating period.
 - f. EMMI Calibration Unit: AGI distributed the documents for the PDR. So far no comments have been received. The planned PDR date is the 27th of May. However, MST requested to postpone the meeting since E.Pompei will not be present in the meeting.
 - g. Paranal M1 Cover: The work was finished in La Silla and the parts were prepared for transport to Paranal. This week they will be sent. The planning of the work as

well as the manpower required was prepared by M.Tapia of Paranal. La Silla will cooperate by sending manpower for the work starting June 14th.

- h. REM new LN2 Dewar and other items: All parts are in La Silla and LGO will work this week in order to have it done asap.

4. LED Team Reports:

a. Software Team:

- Configuration of SUSI, EMMI PULPO sensors done. Commissioning by Sci-ops is required.
- Preparation for WFI autoguider tests (May 23). ScanLinks changed from POLL to SRBX according to the requirements of ODT Garching.
- Preparation for EMMI technical time (May 23-27): VLTSW APR2004 installed at wemrfcd SPARC. BOSS 1.148 installed at wemmi. Come back to the normal version of the templates.
- First approach to read temperatures of EMMI blue pulpo.
- Arrangements to install a test-bench of NGTTCD at ODT lab.
- Pending problems for the next JAN2006 VLTSW upgrade reviewed.
- Normal Support.

b. Electronic Team:

- NTT Rotator B problem of oscillations: Problem has been delimited to the amplifier. System is working with the spare unit. We continue working on it.
- 2.2 m WFI: Spare Interface board's EPROM updated and the board has been installed for testing it on technical time.
- 2.2m TCS Mercury switch maintenance. We are looking for an alternative solution, as the system has the possibility of getting stuck. Probability of this to happen is very low, but not negligible.
- 3.6m Lateral pads upgrade project: PDR was held on May 10th.
- NTT Flat Field lamp control (side B wall) control electronics 5V power supply replaced, found very hot and dead.
- 2p2 a ground leakage was sensed by the WFI mains distribution RCD circuit (we refer to the 220V mains below the telescope mirror cell). The breaker was switched on again and everything OK. We are going to improve the power distribution on that area.
- 3.6m, HARPS: EGGS FDR was carried out successfully.
- Electronic Lab clearing up.
- 3.6m & 2.2m: Purchase Request has been released for buying two UPS units: one of 40 KVA for the 2.2m (1 month delivery time once the order is processed), another of 60 KVA for the 3.6m (2-3 months delivery time).

c. Instrumentation and Optics

- 3m60 M1 water contamination (heavy) occurred in between April 21 and May 9
(Two rains occurred on this period on Monday 25/04 and 2/05)
Action on SCIOF to verify opening procedure of the telescope after rain
 - Dimm refocusing to balance both image quality. Good results and stable as found on NTT new M1 washing
 - Paranal CCD test - Monochromator Keith Jarrel ok for tests 3nm/mm dispersion with 1200gr/mm grating
 - 3m60 Alu Plant prepared and loaded with Al for 2.2m M1 June coating
 - EGGS interaction with Avila.

- d. Mechanics:
 - M1 Cover finishing some detail parts and packing the whole cover for transport to Paranal
 - LN2 Plant of La Silla back to normal work.
 - Preparations for the reception of the new machines in the workshop
 - Study of alternative solutions to EGGS fiber head
 - EMMI Calibration unit design
- 5. IT Report:
 - a. API worked on the telephone plant following the new future configuration
 - b. ENTEL installed the 2nd connection to La Serena. The connection will be done by CERCO. La Silla will remain with double band width
 - c. The LINUX standardization continued in all PCs.
 - d. The SPARC configuration version 2004 was finished.
- 6. Other Subjects:
 - a. SciOps requested to prepare the maintenance procedure of the NTT M3 Sky Baffle. This procedure has to be done every 2 weeks
 - b. Another request by SciOps was related to means to measure consumptions in the 3 axis of 3.6m M2 unit in order to be computed under AUTREP
 - c. GIH asked for proposals to the 2006 budget that has to be finished by the end of July
 - d. Goals and Objectives 2005 have to be reviewed in their advance and/or necessity to adapt to the new requirements of La Silla