

SOHO Daily Meeting Minutes for Thursday, 09 November 2000

Announcements

- * CHANGED: There will be a daily meeting in the EOF tomorrow to check on instrument status and recovery plans after the proton storm. The weekly meeting will also be postponed until tomorrow.

- * Tonight, happy hour for Frederic Auchere, at the 94th Aero Squadron at 5:30 pm. 94th Aero Squadron is close to Goddard maps are at:
ftp://eitv3.nascom.nasa.gov/pub/outgoing/MISC/94th_aero2.gif
and
ftp://eitv3.nascom.nasa.gov/pub/outgoing/MISC/94th_aero.gif

FOT REPORT

Spacecraft Status:

Nominal, but experiencing high rate of SEUs and SEFs due to heavy solar activity

Spacecraft Anomalies:

- 314/0000 - SSU SEUs detected at sustained high rate (still continuing)
- 314/0120 - CELIAS YL limit violation (FSCP13V = 12.227V)
- 314/0151 - CELIAS YL limit violation (FSCMCPV = 2187.4V)
- 314/0324 - CELIAS YL limit violation (FSCP5V = 4.561V)

Accomplished Activities:

VIRGO, CELIAS, Recovered original guide star after multiple star swaps and reset roll anomaly flag

Planned Activities: VIRGO, Nom HGA Table

Ground Anomalies: None

SOLAR STATUS

EIT daily On-Line Solar Status and observations:

http://umbra.nascom.nasa.gov/eit/plan/log_form20001109.html

LASCO daily On-Line Solar Status and observations:

<http://lasco-www.nrl.navy.mil/observations/2000/obs20001109.html>

INSTRUMENT STATUS

- CDS: Safed NIS detector at 13:40 UT. Also received a watchdog error at 13:53 UT. They will not resume science until Saturday and even then will check proton flux levels first.
- SUMER: Made tests of detector and detector is okay. They will turn the detector on tomorrow (proton flux permitting).
- UVCS: Ramped down detectors and recovery will depend on when the proton flux settles down. Will investigate tomorrow.
- LASCO: Nominal. This event seems comparable (maybe slightly smaller) to the July 14 event.
- EIT: Their buffer gets full -- as the compression algorithm does not work as well with all the saturated pixels. While SUMER is not observing, requests submode #6 to help alleviate this.
- MDI: Nominal. Just some pixels to patch in on-board flat field. Full disk mode continues.
- TRACE: Planner is remote, local representative on leave. Program for today was as sent out by planner yesterday.

Targeting active region 9218/9213, a coronal hole mosaic,
and brief visit at East limb.
See request at the end of MEDOC report below.

After the meeting: There was a switch to submode #6 made at ~ 17 UT.
Will schedule a switch back to submode #5 at 15 UT tomorrow prior to
start of SUMER commanding to turn back on. This will be confirmed again
tomorrow morning after everyone has had a chance to see if the proton
fluxes have dropped.

Daily Meeting Report -- 9 November 2000
E. Antonucci

Solar conditions

The trans-equatorial coronal hole present on the solar disk is stable.
This is a recurring feature (third rotation), but only in this rotation
the northern and southern parts joined together .
At about 18:00 of November 8, 2000, the level of solar activity suddenly
increased. A CME was observed in the South-East quadrant of the Sun,
approximately at the time of the start of JOP 130. CDS, SUMER and UVCS
where observing the coronal region were the CME was progressing.
CDS and SUMER observations were regular during JOP 130. Afterwards, the
detectors of the two instruments were saturated because of a large event
(M flare and trans-equatorial CME) occuring at the WEST limb. The event
gave origin to a large proton flux (GOES satellite observations) which
caused unusual saturation also in the LASCO and EIT detectors.
Because of the saturation of the SOHO instruments we cannot assess the
magnetic configuration of the Sun for pointing purposes at the time of
the daily meeting, therefore the pointing for JOP 130 will remain the
same (45 deg PA) for the 10th of November.

Planning for 10 November 2000

Due to the proton flux on the detectors, CDS and SUMER might be not
operating the 9th and 10th of November. The decision for the 9th will
be taken later in the day.
The decision fo the 10th will be taken tomorrow.

The following plans are in case CDS and SUMER are operational.

JOPs

Jop 130 (Solar max equatorial slow wind) will be run starting at 14:00 UT,
the observations will be performed on the corona over the East limb region
at 45 deg (North-East quadrant).

Instrument Observations

CDS if operational

00:00-04:00 SYNOP_G5
06:00-14:00 Coronal hole observation
14:00 -20:00 JOP 130
20:00-24:00 Coronal hole observation

SUMER if operational

01:00-11:00 Scattered light

14:00-20:00 Jop 130

UVCS if operational

00:00-14:00 Synoptics

14:00-24:00 Jop 130 (pointing PA 45)

TRACE

14:00 24:00 obs at East limb (pointing PA 45), if TRACE observations are possible