

Week 43, 21 October - 27 October 2002

### 1. Announcements

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- \* JOP157/131 target for Monday is AR10162
- \* SPWG on Friday at 2pm in the EAF
- \* Sunday 27 October: US & European Daylight Savings ends, GSFC local = UT - 5h
- \* No student ECS operator will be in the office on Saturday. If anyone needs a SOC, call/page Joan or Emily.
- \* Solar science seminar Wednesday Oct 23 at 3:30 p.m., in SOHO EAF (Bldg. 26, room G-10), Valery Nakariakov (U. Warwick) will talk about "Slow Magnetoacoustic Waves in the Solar Corona."
- \* Attached at the bottom of these minutes are the MEDOC weekly meeting minutes and the UVCS JOP158 timing details

### 2. Operations Constraints

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- \* Submode change to Submode 5 at 13 UT on Monday
- \* Commanding times for the week:
  - Monday - Good station until 13:50 UT then D27 until 15:50 UT then a gap until 21 UT.
  - Tuesday - Commanding is good until 17:30 UT when we have a gap until D27 begins at 20 UT.
  - Wednesday - Commanding is good all day.
  - Thursday - Commanding starts at 15 UT.
  - Friday - Commanding starts at 15 UT.
  - Saturday - Gap from 15-20 UT.
  - Sunday - D27 from 15-20 UT then D46.

### 3. Coordinated Observations

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- M Oct 21 (W43) Submode change to Submode 5 at 13 UT  
SUMER doors open  
JOP158 The Fast Solar Wind from 1.05 to 4 Ro (#6902),  
CDS/UVCS/EIT/LASCO, 17-03 UT,  
POC: Alan Gabriel & Ester Antonucci  
JOP157 Bright Points in AR (#6903), 8-16 UT,  
CDS/EIT/MDI/TRACE/RHESSI/THEMIS, POC: Brigitte Schmieder  
JOP131 Spectro-polarimetric Diagnostics of Prominences and  
Filaments (#6904), TRACE/THEMIS, POC: Brigitte Schmieder
- T Oct 22 JOP158 The Fast Solar Wind from 1.05 to 4 Ro (#6902),  
CDS/UVCS/SUMER/EIT/LASCO, 7-17 UT,  
POC: Alan Gabriel & Ester Antonucci  
JOP157 Bright Points in AR (#6903), 8-16 UT,  
CDS/EIT/MDI/TRACE/RHESSI/THEMIS, POC: Brigitte Schmieder  
JOP131 Spectro-polarimetric Diagnostics of Prominences and  
Filaments (#6904), TRACE/THEMIS, POC: Brigitte Schmieder  
Line Width Measurements of Coronal Ions, SUMER  
POC: Laurent Dolla
- W Oct 23 JOP158 The Fast Solar Wind from 1.05 to 4 Ro (#6902),  
CDS/UVCS/SUMER/EIT/LASCO, 17-03 UT,  
POC: Alan Gabriel & Ester Antonucci

JOP157 Bright Points in AR (#6903), 8-16 UT,  
CDS/EIT/MDI/TRACE/RHESSI/THEMIS, POC: Brigitte Schmieder  
JOP131 Spectro-polarimetric Diagnostics of Prominences and  
Filaments (#6904), SUMER/TRACE/THEMIS, POC: Brigitte Schmieder  
Line Width Measurements of Coronal Ions, SUMER  
POC: Laurent Dolla

T Oct 24 JOP158 The Fast Solar Wind from 1.05 to 4 Ro (#6902),  
CDS/UVCS/SUMER/EIT/LASCO, 7-17 UT,  
POC: Alan Gabriel & Ester Antonucci  
JOP157 Bright Points in AR (#6903), 8-16 UT,  
CDS/EIT/MDI/TRACE/RHESSI/THEMIS, POC: Brigitte Schmieder  
JOP131 Spectro-polarimetric Diagnostics of Prominences and  
Filaments (#6904), SUMER/TRACE/THEMIS, POC: Brigitte Schmieder

F Oct 25 JOP158 The Fast Solar Wind from 1.05 to 4 Ro (#6902),  
CDS/UVCS/SUMER/EIT/LASCO, 17-03 UT,  
POC: Alan Gabriel & Ester Antonucci  
JOP157 Bright Points in AR (#6903), 8-16 UT,  
CDS/EIT/MDI/TRACE/RHESSI/THEMIS, POC: Brigitte Schmieder  
JOP131 Spectro-polarimetric Diagnostics of Prominences and  
Filaments (#6904), SUMER/TRACE/THEMIS, POC: Brigitte Schmieder  
SPWG at 2pm in building 26  
Line Width Measurements of Coronal Ions, SUMER  
POC: Laurent Dolla

S Oct 26 JOP158 The Fast Solar Wind from 1.05 to 4 Ro (#6902),  
CDS/UVCS/SUMER/EIT/LASCO, 7-17 UT,  
POC: Alan Gabriel & Ester Antonucci  
JOP157 Bright Points in AR (#6903), 8-16 UT,  
CDS/EIT/MDI/TRACE/RHESSI/THEMIS, POC: Brigitte Schmieder  
JOP131 Spectro-polarimetric Diagnostics of Prominences and  
Filaments (#6904), SUMER/TRACE/THEMIS, POC: Brigitte Schmieder  
Line Width Measurements of Coronal Ions, SUMER  
POC: Laurent Dolla

S Oct 27 JOP158 The Fast Solar Wind from 1.05 to 4 Ro (#6902),  
CDS/SUMER/EIT/LASCO, POC: Alan Gabriel & Ester Antonucci  
JOP157 Bright Points in AR (#6903), 8-16 UT,  
CDS/EIT/MDI/TRACE/RHESSI/THEMIS, POC: Brigitte Schmieder  
JOP131 Spectro-polarimetric Diagnostics of Prominences and  
Filaments (#6904), SUMER/TRACE/THEMIS, POC: Brigitte Schmieder  
US & European Daylight Savings ends, GSFC local = UT - 5h  
Line Width Measurements of Coronal Ions, SUMER  
POC: Laurent Dolla

Other activities for Week 43:

- \* Week 43&44 JOP136 Default RHESSI Collaboration (#6850), POC: Stein Haugan  
AKA Energy input in the chromosphere and TR due to particle  
impacts CDS/SUMER/RHESSI, POC: Nicole Vilmer (RHESSI)
- \* Week 43 JOP159 CME's in Lyman-alpha (#6870), SWAN/LASCO/EIT,  
POC: Chris St Cyr, Eric Quemerais
- \* Week 43&44 Support of SPIRIT/CORONAS

Targets of Opportunity (T00)

Submodes:

Monday 00:00 UT - Monday 13:00 UT --> Submode 6  
Monday 13:00 UT - Sunday 24:00 UT --> Submode 5

Planners for Week 43:

SOL -- Frederic Auchere  
CDS -- Susanna Parenti MDI -- Sarah Gregory

EIT -- Alex Young                      SUMER -- Frederic Baudin  
LASCO -- Ops Team                      UVCS -- Kuen Ko  
TRACE -- Dawn Myers

Relevant Notes

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CDS: Supporting MEDOC JOPs, AR and CH atlas studies, and NIS atlas studies.

SUMER: Will either open door after submode change or on D46 in the afternoon. Thermal stabilization will take place for the 12 hours following the door opening then observations will begin on Tuesday. Slit will stay at x=0" all week. Y will change with the targets. Observations for the week will include JOP158, line width measurements studies and possibly JOP131 if there is a prominence target available over a pole.

UVCS: JOP158 and mini-synoptic Monday, Wednesday, Friday. 24-hour synoptic on Tuesday, Thursday, Saturday, and Sunday.

LASCO: C2/C3 synoptics, JOP159 Wednesday - Friday, JOP158.

EIT: Half resolution 195 CME watch and synoptic, JOP159 Wednesday - Friday. Will support MEDOC JOPs with standard half resolution CME watch. EIT will not switch to 304 for the first part of next week.

MDI: Full disk magnetograms and dopplergrams in support of JOP157. MDI will support JOP157 with high resolution observations if the target is in the high resolution field of view.

TRACE: MEDOC JOPs.

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MEDOC Campaign #10 Weekly Meeting Minutes  
Planning of week # 43  
Friday, 18 October 2002  
F. Auchere

SOL : F. Auchere

Attendees : P. Lemaire, B. Schmieder, K. Bocchialini, F. Baudin,  
J. C. Vial, J.-P. Delaboudiniere, D. Hassler, R. Ben El Hadj,  
A. Millard, L. Dolla, E. Buchlin

Note 1: E. Antonucci won't be able to take the charge of UVCS planning during the campaign. The UVCS planning will be done by Kuen Ko (alone, without Susanna Parenti).

Note 2: THEMIS should be added in the list of supporting instruments for JOP 157.

Confirmed Planners for Week 43:

CDS -- Susanna Parenti                      MDI -- Sarah Gregory  
EIT -- Alex Young                              SUMER -- Frederic Baudin  
LASCO -- Ops Team                              UVCS -- Kuen Ko  
TRACE -- Dawn Myers

Boundary conditions

- \*Submode change to Submode 5 at 13 UT  
SUMER doors open
- \*Contact with DSS-66 will be lost at 14:40 UT. P.Lemaire can't guarantee that he can open the SUMER door between the submode switch and the end of the pass. In this case, he will have to wait until 20:25 for DSS-46 to come up, since the door can't be opened on DSS-27. Since SUMER needs 12 hours of thermal stabilization, SUMER observations won't begin before tuesday morning.
- \*The chosen target for JOPs 157 and 131 is AR 162 (at least for Monday Oct 21)
- \*The SUMER slit will stay at X=0" all week. Y will change with the targets.
- \*SUMER will support JOP 131 only if a target (prominence) is available over a pole.
- \*The SUMER Line Width Measurements of Coronal Ions Study (POC: Laurent Dolla) may be run only week #43 if the data are good enough.
- \*EIT will be in 2x2 binned images mode after the submode switch.
- \*EIT might support JOP 131 by switching the CME watch to 304.
- \*Details of support from CORONAS will be discussed wednesday after V. Kuzin arrives at MEDOC
- \*Sunday 27 October : US & European Daylight Savings ends, GSFC local = UT - 5h

### Instruments Planning

#### Outline

SUMER : JOP 158, JOP 131 (maybe), + Line width measurements study  
 CDS : JOP157, JOP 158, Synoptic meridian images, AR and CH atlas, NIS atlas  
 EIT : CME watch 195 2x2 binned

#### DETAILS

M Oct 21 (W43) SUMER : Opens door + thermal stabilization  
 Resumes observations tuesday morning.

CDS :	00:00-06:30 UT	Synoptic Meridian Images
	06:30-07:30 UT	AR Spectral Atlas Pointing TBD
	07:30-08:00 UT	NIS Full CCD Study
	08:00-12:45 UT	JOP 157 X = -515.23" Y = +335.27"
	13:30-16:00 UT	JOP 157 X = -515.23" Y = +335.27"
	16:00-17:00 UT	Coronal Hole Spectral Atlas Pointing TBD
	17:00-18:00 UT	NIS Spectral Atlas
	19:00-24:00 UT	JOP 158 X = 0" Y = 1000"

EIT : CME Watch 195

T Oct 22 SUMER : 12-16 UT Line width measurements (POC L. Dolla)  
X=0", Y=TBD (north pole)  
18-24 UT JOP 158  
X=0", Y=TBD (north pole)  
CDS : Same as monday, TBC  
Pointings TBD on monday  
EIT : CME Watch 195

W Oct 23 SUMER : 01-05 UT Line width measurements (POC L. Dolla)  
Target TBD  
07-13 UT JOP 131 (if target available)  
10-14 UT Line width measurements (POC L. Dolla)  
if no target available for JOP 131  
Target TBD  
18-24 UT JOP 158  
X = 0"  
Y = TBD (north pole)  
CDS : Same as monday, TBC  
Pointings TBD  
EIT : CME watch 195

T Oct 24 SUMER : 07-13 UT JOP 131 (if target available)  
18-24 UT JOP 158  
X = 0"  
Y = TBD (north pole)  
CDS : Same as monday, TBC  
Pointings TBD  
EIT : CME Watch 195

F Oct 25 SUMER : 01-05 UT Line width measurements (POC L. Dolla)  
Target TBD  
07-13 UT JOP 131 (if target available)  
10-14 UT Line width measurements (POC L. Dolla)  
if no target available for JOP 131  
Target TBD  
18-24 UT JOP 158  
X = 0"  
Y = TBD (north pole)  
CDS : Same as monday, TBC  
Pointings TBD  
EIT : CME Watch 195

S Oct 26 SUMER : 01-05 UT Line width measurements (POC L. Dolla)  
10-14 UT Line width measurements (POC L. Dolla)  
if no target available for JOP 131  
18-24 UT JOP 158  
X = 0"  
Y = TBD (north pole)  
CDS : Same as monday, TBC  
Pointings TBD  
EIT : CME Watch 195

S Oct 27 SUMER : 01-05 UT Line width measurements (POC L. Dolla)  
Target TBD  
08-16 UT Line width measurements (POC L. Dolla)  
if no target available for JOP 131  
Target TBD  
18-24 UT JOP 158  
X = 0"  
Y = TBD (north pole)  
CDS : Same as monday, TBC

Pointings TBD  
EIT : CME Watch 195

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UVCS schedule for next week's Medoc Campaign

The default pointing will be at the north pole (PA=0) unless Ester (or Alan) would decide otherwise. If anything is not clear, please email Kuen Ko ([kuen@uvcsiws.nascom.nasa.gov](mailto:kuen@uvcsiws.nascom.nasa.gov)).

Oct. 21 17 UT - Oct. 22 03 UT JOP 158

Oct. 22 03 UT - 07 UT 4-hr mini-synoptic  
07 UT - 17 UT JOP 158

Oct. 22 17 UT - Oct. 23 17 UT 24-hr synoptic

Oct. 23 17 UT - Oct. 24 03 UT JOP 158

Oct. 24 03 UT - 07 UT 4-hr mini-synoptic  
07 UT - 17 UT JOP 158

Oct. 24 17 UT - Oct. 25 17 UT 24-hr synoptic

Oct. 25 17 UT - Oct. 26 03 UT JOP 158

Oct. 26 03 UT - 07 UT 4-hr mini-synoptic  
07 UT - 17 UT JOP 158

Oct. 26 17 UT - Oct. 27 17 UT 24-hr synoptic

Oct. 27 17 UT - Oct. 28 17 UT 24-hr synoptic