

ACE Team Meeting
Wednesday, April 14, 2003
2nd Floor, Winnett Hall
Caltech

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|-------------|---|--|
| 830 | Call to Order/Opening Remarks
Local announcements
Open items from the last ACE SWT
Remarks from Headquarters
Flight Operations Report
Real-Time Solar-Wind Report and ACE/NOAA issues
EPAM Detector Issues
ASC Report | Stone
Mewaldt
Mewaldt
Christian
Davis/Sodano/Roberts
Davis
Haggerty
Davis |
| 950 | Break | |
| 1010 | Heliospheric White Paper
LWS Space Weather Workshop on Radiation
Plans for the S3DPU Patch

Science Topics (~15 minutes each)

Spectral Properties of Heavy Ions in IP Shocks
Acceleration of solar wind and pickup ions at by a standing shock
The correspondence of ACE/SWEPAM solar wind parameters with
low-energy suprathermal ions | Haggerty
Mewaldt/Mason
Popecki, Moebius

Desai
Gloeckler
Posner |
| 1140 | Lunch | |
| 1245 | Oct-Nov 2003 SEP events at ACE, IMP8, Ulysses, and Cassini

The October Storms as Seen by SWEPAM and MAG
The topology of Oct/Nov 2003 magnetic ejecta
Spectral Breaks in the Large SEP Events of October 2003
The time evolution of heavy ion spectra and the Fe/O ratio
Solar Electron Bursts
Propagation of IP type III radio bursts and near-relativistic electron
beam events

Break | Lario, Decker
(Roelof)
Gosling
Hu
Mewaldt
Li
Gosling
Haggerty, Roelof |
| 1505 | Heavy-ion composition the Aug. 2002 ³He-rich Events
³He fluences: upper limit and non-correlation with ⁴He fluences
in SEP events
Energy-dependent charge states from impulsive events with
ACE/SEPICA and SOHO/STOF
Update on ~1 MeV/n SEP Charge States
High Energy SEP Charge States and Composition
Solar Composition and SEPs
Propagation and timing in large SEP events | Wiedenbeck
Ho, Roelof, Mason

Moebius

Mazur
Labrador
Zurbuchen
Mason |
| 1830 | Dinner at the Athaneum | |

**ACE Team Meeting
Thursday, April 15, 2003
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- 830 Announcements**
Halloween Events - Special Issues?
EOS Article
Outreach
ACE News
ACE/RHESSI Assessment
Solar Wind 11/SOHO WS Meeting
Planning for Future Meetings and Workshops
- 1000 Break**
- 1020 Review proposed data products for ACE Web site**
Planning for the next Senior Review
- Science Topics**
Comparison of Ne, Fe, and Ni isotopes to the new Wolf-Rayet models
Constraints on Local Interstellar Cosmic Ray Spectra
Anomalous Cosmic Ray Observations in 2003-2004
- 1145 Lunch**
- 1300 Meeting moves 114 East Bridge**
Further Evidence of Wave Refraction in the Solar Wind
Testing CME Models: Compositional Constraints
An improved expected temperature formula for identifying ICMEs
CMEs During the Solar Cycle
Cross helicity at large angles to the mean field
Effect of CME-associated magnetic field compressions on solar electron propagation
Solar-Particle and GCR Radiation Concerns
- 1445 Break**
Transverse transport of 40-90 MeV protons: Weak-scattering with gradient anisotropy
Interest of LISA mission in the power spectrum of >100 MeV/n particles
Review of Action Items
Schedule Next Meeting
Adjourn
- ~1800 Open House at the Mewaldt's**
- Smith**
Jacob
Mewaldt
- Zurbuchen**
- Davis**
Stone
- Binns**
Mewaldt
Leske
- Smith**
Zurbuchen
Elliot et al.
Zurbuchen
Smith
Roelof, Haggerty, Lario
- Mewaldt**
- Roelof, Lario**
- Mazur**
- Mewaldt**
Stone