

**ACE Team Meeting  
Monday, April 10, 2006  
7707 Montpelier Rd, Montpelier Building #3  
Conference Room MP3-E183  
JHU/APL, Laurel MD**

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|------|---|---|
| 830  | <p><b>Call to Order/Opening Remarks</b></p> <p>Local announcements</p> <p>Open items from the last ACE SWT</p> <p>The view from headquarters</p> <p>ASC Report</p> <p>ACE Temperatures</p> <p>SIS PSD Thresholds</p> <p>New Data Sets</p> <p style="padding-left: 20px;">SIS Level-2 Update</p> <p style="padding-left: 20px;">SWEPAM calibrations and Level-2 data</p> <p style="padding-left: 20px;">Solar wind proton densities from SWICS</p> <p style="padding-left: 20px;">Bowties are back in fashion</p>  | <p>Stone</p> <p>Roelof</p> <p>Mewaldt</p> <p>Holmes</p> <p>Davis</p> <p>von Rosenvinge</p> <p>Cohen-Leske</p><br><p>Cohen</p> <p>Elliott, Skoug</p> <p>Gloeckler</p> <p>Cohen</p> |
| 1015 | <p><b>Break</b></p> <p>Outreach Report</p> <p>Planning for the "Samples of Matter" Workshop</p> <p>Discussion of Senior Review Results/Recommendations</p>  | <p>Barbier</p> <p>Mason</p> <p>Stone</p>  |
| 1200 | <p><b>Lunch</b></p>   |   |
| 1300 | <p><b>Science Reports (~15 minutes each)</b></p> <p>Recent results with MAG</p> <p>Large-scale interplanetary magnetic field coherence: 1 to 5 AU</p> <p>Plasma Properties of ICMEs Through Solar Cycle 23</p><br><p>Ulysses and ACE observations of very different heliospheric structure during the declining phase of solar activity cycle</p> <p>Voyager 1 and 2 observations of low-energy ions associated with the termination shock: an update</p> <p>Low-energy ACRs (1 - 5 AU) during the last solar minimum</p> <p>The origin of the cutoff in ACR energy spectra</p> | <p>Smith</p> <p>Lanzerotti</p> <p>Elliott, Skoug, Steinberg, &amp; Richardson</p> <p>McComas, Elliott, Gosling, &amp; Skoug</p> <p>Decker</p><br><p>Lanzerotti</p> <p>Mewaldt</p> |
| 1500 | <p><b>Break</b></p>   |   |
| 1520 | <p><b>The common spectrum of tail particles in the heliosphere and inner heliosheath</b></p> <p>Acceleration of Helium in the Heliosphere</p> <p>Solar particle fluences over the solar cycle</p> <p>Large SEP events and their spectral breaks</p> <p>Solar cycle variations in the composition of the suprathermal ion pool</p> <p>Cosmic-ray and solar particle radiation doses for lunar missions</p> <p>ACE and comets</p> <p>Prospects for Jovian magnetospheric composition measurements from Ganymede orbit</p>   | <p>Gloeckler</p><br><p>Kucharek</p> <p>Mewaldt, Mason, Cohen et al.</p> <p>Cohen</p> <p>Desai, Mason</p> <p>Mewaldt</p> <p>Zurbuchen</p> <p>Cooper</p>                            |
| 1730 | <p><b>Adjourn</b></p> <p>Dinner at ??????</p>   |   |

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830	<b>Flight Operations Report</b> <b>NOAA RTSW Report</b> <b>Discussion of orbit options for 2011-2014</b> <b>Discussion of NOAA call for interest in Real Time Solar Wind</b> <b>ACE News</b> <b>Meetings - workshops</b> <b>Shine</b> <b>Others??</b> <b>Schedule the next meeting</b>	<b>Sodano</b> <b>Zwickl/Mewaldt</b> <b>All</b> <b>All</b> <b>Mewaldt</b>  <b>Cohen</b>  <b>All</b>
1000	<b>Break</b>	
1020	<u><b>Science Topics (~15 minutes each)</b></u>  <b>Forecasting solar energetic ion events with relativistic electrons:        statistical and superposed epoch analyses</b> <b>Injection times of near-relativistic solar protons and electrons</b> <b>Electron Onset Times in the 2005 January 20 Event</b> <b>Onset timing (ACE,Wind,SOHO,IMP8) in the 20 Jan 2005 GLE event</b>  <b>Implications of ionic charge-states for particle acceleration        in the January 20, 2005 SEP event</b> <b>Energetic ion anisotropies: spherical harmonic analyses</b>	<b>Posner</b>  <b>Haggerty &amp; Roelof</b> <b>Tylka et al.</b> <b>Haggerty, Roelof, Tylka,        &amp; Simnett</b> <b>Labrador</b>  <b>Lario</b>
1200	<b>Lunch</b>	
1300	<b>SEP propagation in well-connected events:        scatter-free (<math>r &lt; 1\text{AU}</math>) and backscatter (<math>r &gt; 1\text{AU}</math>)</b> <b>Update on 3He-rich SEP sources and extended emission periods</b> <b>Heavy-ion composition in 3He-rich SEP events</b> <b>Composition of LSEP events</b> <b>Recent progress in 3He-rich flare ion-acceleration modeling</b> <b>Update on ACE/Nozomi multispacecraft studies of solar        energetic particles</b>	<b>Roelof</b>  <b>Mason</b> <b>Wiedenbeck</b> <b>Desai/Mason</b> <b>Mason</b> <b>Miyasaka</b>
1500	<b>Break</b>  <b>Update on abundance tables and compilations        (brief report from each tabulator or his representative)</b> <b>Discussion on where we publish these papers</b>  <b>Review of Action Items</b>	 <b>Stone, Wiedenbeck, Leske,        Cohen, Desai, Moebius,        Mason, Zurbuchen, Mewaldt</b>  <b>Mewaldt</b>
1630	<b>Adjourn</b>	