International Global Explorer Campaign

A Program of International Cooperation during the International Heliophysical Year 2007-8
The optimal characterization of the 3-D interconnected Solar-Planetary-Heliosphere System, with the participation of all available observatories to obtain the most ideal measurements for the understanding and modeling of the system.

**Proposed Interval: December 15 2007 - January 29 2008**

- Solar Minimum the “optimal” time period to study steady state structure and energy balance
- Ulysses will be completing its “fast latitude scan” and will observing over the Northern solar pole for ideal 3-D connection
- After Fall 2007, the THEMIS and STEREO orbits are most suitable for the 3-D characterization studies
- Explorer I launch on January 28, 1958: *50 years of science in space!*
Heliophysics Global Campaign Logistics

- CIPs are the basic building block of IHY science: Many CIPs will be conducted during the Global Campaign
- Hundreds of IHY Instruments will be ready to participate (this will be the largest coordinated space science activity ever?)
- All IHY instruments participate. Although the major missions will be popular for IHY CIPs, many of the participating smaller or less-known observatories will not be as eagerly recruited for CIPs. All IHY instruments are welcome and necessary for success.
<table>
<thead>
<tr>
<th>Observatory/Telescope</th>
<th>Instrument/Equipment</th>
<th>Responsible Party</th>
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<tbody>
<tr>
<td>John J. McCarthy Observatory</td>
<td>Coronado Instruments Helios I Solar Telescope</td>
<td>Amy ZIFFER</td>
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<tr>
<td>Kanzelhoehe Solar Observatory</td>
<td>Vacuum Telescope, H alpha, Photoheliograph and Magnetograph</td>
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<td>Kharkov Astronomical Observatory</td>
<td>Radiophysical Telescope</td>
<td>Oleg F. TYRNOV</td>
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<td>King Abdul Aziz University Astronomy Observatory</td>
<td>Astronomical Observatory</td>
<td>Yaseen ALMLEAKY</td>
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<td>Kuwait Muon Telescope</td>
<td>Muon Telescope</td>
<td>Ismail SABBAH</td>
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<td>L'observatoire d'Alger (CRAAG)</td>
<td>Solar Refractor with H alpha and Ca</td>
<td>Samir NAITAMOR</td>
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Heliophysics Global Campaign Logistics

- Planning sessions to occur at upcoming meetings (SHINE, GEM, CEDAR)
- Modelers play a major role in the planning of this campaign in order to obtain ideal information to improve our understanding of the system (Whole Sun Month model, CCMC, SEC and other groups are willing to lead)
- Hundreds of IHY Instruments will be ready to participate (this will be the largest coordinated space science activity ever?)
- All IHY instruments participate. Although the major missions will be popular for IHY CIPs, many of the participating smaller or less-known observatories will not be as eagerly recruited for CIPs. All IHY instruments are welcome and necessary for success.
- IHY Data System Interface to track and report observations and make the data easily available
- Approximately six weeks: one "heliospheric rotation" (solar rotation + solar wind transit time to Ulysses orbit)
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- The initial focus is on obtaining the most scientifically useful collection of data.
What is Needed

• People to serve on the SOC (including at least one person from the appropriate programs: STEREO, GEM, SHINE, CEDAR, CAWSES, SEC, CISM, ICESTAR, JOVE)
• Observing Proposals: SOHO & STEREO, VLA, HST
• Individual CIP leaders (break the campaign up into manageable chunks)
• Observatory contacts for each participating instrument
• A name! WHIM FISH CLICHE SIGH
• Next generation Sarah & Doug

• First Coordination Telecon: 6 April 2007
• IHY wiki: ihy2007.org/wiki/