CAN **PSEUDOBREAKUPS** BE PREDICTED?

Zhou, X.-Y., B.T. Tsurutani, J.K. Arballo
(Jet Propulsion Laboratory, California Institute of Technology, Pasadena, CA 91109)
D. Berdichevsky, and R.P. Lepping
(Goddard Space Flight Center, Code 695.0, Greenbelt, MD 20771)

We statistically analyze many **interplanetary shock events** where there are both WIND interplanetary data and POLAR UV imaging data. We find that the **shock compression** events trigger pseudobreakups (PBs), substorm onsets, or enhance (pre-existing) substorm intensities. Using WIND interplanetary data and ground-based data, it is now believed that we can predict when PBs will occur and when **substorm expansion** phases will occur.

1. GA 3.02, Convenor: A. T. Lui - anthony.lui@jhu.apl.edu
2. Magnetospheric Substorm Onset: Observations, Theories, Models
3. Bruce Tsurutani, 169-506
   Jet Propulsion Laboratory
   4800 Oak Grove Drive
   Pasadena, CA 91109 USA
   tel (818) 354-7559; fax: (818) 354-8895
   email: btsurutani@jplsp.jpl.nasa.gov
4. 0
5. None
6. No
7. No