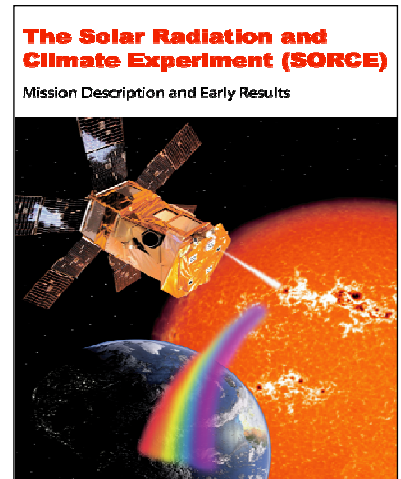


## “Solar Physics” Features Special Issue on SORCE

The SORCE team has been very busy over the past year preparing 18 individual papers to be published in a special issue of *Solar Physics*. This “topical issue” is devoted exclusively to the SORCE mission, and it provides detailed information on the SORCE mission, goals, instruments, spacecraft, planning software, ground operations, data processing, early science results, and science implications. This issue (August 2005, volume 230) is now available electronically on the *Solar Physics* website. The printed version and a special hard cover volume will be available in January 2006. Papers in this issue include:



- Anderson, Donald E. and Robert F. Cahalan, “The Solar Radiation and Climate Experiment (SORCE) Mission for the NASA Earth Observing System (EOS)”, *Solar Physics*, **203**, 1, 3-6, 2005.  
<http://dx.doi.org/10.1007/s11207-005-1592-6>
- Harder, Jerald, George Lawrence, Juan Fontenla, Gary Rottman, and Thomas Woods, “The Spectral Irradiance Monitor: Scientific Requirements, Instrument Design, and Operation Modes”, *Solar Physics*, **203**, 1, 141-167, 2005.  
<http://dx.doi.org/10.1007/s11207-005-5007-5>
- Harder, Jerald W., Juan Fontenla, George Lawrence, Thomas Woods, and Gary Rottman, “The Spectral Irradiance Monitor: Measurement Equations and Calibration”, *Solar Physics*, **203**, 1, 169-203, 2005.  
<http://dx.doi.org/10.1007/s11207-005-1528-1>
- Kopp, Greg and George Lawrence, “The Total Irradiance Monitor (TIM): Instrument Design”, *Solar Physics*, **203**, 1, 91-109, 2005.  
<http://dx.doi.org/10.1007/s11207-005-7446-4>
- Kopp, Greg, Karl Heurman, and George Lawrence, “The Total Irradiance Monitor (TIM): Instrument Calibration”, *Solar Physics*, **203**, 1, 111-127, 2005.  
<http://dx.doi.org/10.1007/s11207-005-7447-3>
- Kopp, Greg, George Lawrence, and Gary Rottman, “The Total Irradiance Monitor (TIM): Science Results”, *Solar Physics*, **203**, 1, 129-140, 2005.  
<http://dx.doi.org/10.1007/s11207-005-7433-9>
- Lean, Judith, Gary Rottman, Jerald Harder, and Greg Kopp, “SORCE Contributions to New Understanding of Global Change and Solar Variability”, *Solar Physics*, **203**, 1, 27-53, 2005.  
<http://dx.doi.org/10.1007/s11207-005-1527-2>
- McClintock, William E., Gary J. Rottman, and Thomas N. Woods, “Solar Stellar Irradiance Comparison Experiment II (SOLSTICE II): Instrument Concept and Design”, *Solar Physics*, **203**, 1, 225-258, 2005.  
<http://dx.doi.org/10.1007/s11207-005-7432-x>

- McClintock, William E., Martin Snow, and Thomas N. Woods, "Solar Stellar Irradiance Comparison Experiment II (SOLSTICE II): Pre-Launch and On-Orbit Calibrations", *Solar Physics*, **203**, 1, 259-294, 2005.  
<http://dx.doi.org/10.1007/s11207-005-1585-5>
- Pankratz, Christopher K., Barry G. Knapp, Randy A. Reukauf, Juan Fontenla, Michael A. Dorey, Lillian M. Connelly, and Ann K. Windnagel, "The SORCE Science Data System", *Solar Physics*, **203**, 1, 389-413, 2005.  
<http://dx.doi.org/10.1007/s11207-005-5008-4>
- Pilewskie, Peter, Gary Rottman, and Erik Richard, "An Overview of the Disposition of Solar Radiation in the Lower Atmosphere: Connections to the SORCE Mission and Climate Change", *Solar Physics*, **203**, 1, 55-69, 2005.  
<http://dx.doi.org/10.1007/s11207-005-2379-5>
- Rottman, Gary, "The SORCE Mission", *Solar Physics*, **203**, 1, 7-25, 2005.  
<http://dx.doi.org/10.1007/s11207-005-8112-6>
- Rottman, Gary, Jerald Harder, Juan Fontenla, Thomas Woods, Oran R. White, and George M. Lawrence, "The Spectral Irradiance Monitor (SIM): Early Observations", *Solar Physics*, **203**, 1, 205-224, 2005.  
<http://dx.doi.org/10.1007/s11207-005-1530-7>
- Snow, Martin, William E. McClintock, Gary Rottman, and Thomas N. Woods, "Solar Stellar Irradiance Comparison Experiment II (SOLSTICE II): Examination of the Solar Stellar Comparison Technique", *Solar Physics*, **203**, 1, 295-324, 2005.  
<http://dx.doi.org/10.1007/s11207-005-8763-3>
- Snow, Martin, William E. McClintock, Thomas N. Woods, Oran R. White, Jerald W. Harder, and Gary Rottman, "The Mg II Index from SORCE", *Solar Physics*, **203**, 1, 325-344, 2005.  
<http://dx.doi.org/10.1007/s11207-005-6879-0>
- Sparn, Thomas P., Gary Rottman, Thomas N. Woods, Brian D. Boyle, Richard Kohnert, Sean Ryan, and Randall Davis, "The SORCE Spacecraft and Operations", *Solar Physics*, **203**, 1, 71-89, 2005.  
<http://dx.doi.org/10.1007/s11207-005-1584-6>
- Woods, Thomas N., Gary Rottman, and Robert Vest, "XUV Photometer System (XPS): Overview and Calibrations", *Solar Physics*, **203**, 1, 345-374, 2005.  
<http://dx.doi.org/10.1007/s11207-005-4119-2>
- Woods, Thomas N. and Gary Rottman, "XUV Photometer System (XPS): Solar Variations during the SORCE Mission", *Solar Physics*, **203**, 1, 375-387, 2005.  
<http://dx.doi.org/10.1007/s11207-005-2555-7>