

Bibliography from ADS file: *shine.bib*
 September 14, 2022

- Lites, B. W., Akin, D. L., Card, G., et al., "The Hinode Spectro-Polarimeter", 2013SoPh..283..579L [ADS](#)
- Li, W., Jia, Y., Downs, C., et al., "Interaction of Cometary Material With the Solar Corona: EUV Observations and MHD Simulations", 2012AGUFMSH13B2254L [ADS](#)
- Hagenaar, H., Shine, R., Ryutova, M., & Dalda, A. S., "Signatures of Moving Magnetic Features in and above the Photosphere", 2012ASPC..454..181H [ADS](#)
- Saint-Hilaire, P., Chodas, P. W., Battams, K., et al., "Some Like it Hot: the Trajectory of Sungrazing Comet C/2011 W3 (Lovejoy) in the Solar Neighborhood.", 2012AAS...22052107S [ADS](#)
- Couvidat, S., Schou, J., Shine, R. A., et al., "Wavelength Dependence of the Helioseismic and Magnetic Imager (HMI) Instrument onboard the Solar Dynamics Observatory (SDO)", 2012SoPh..275..285C [ADS](#)
- Schou, J., Scherrer, P. H., Bush, R. I., et al., "Design and Ground Calibration of the Helioseismic and Magnetic Imager (HMI) Instrument on the Solar Dynamics Observatory (SDO)", 2012SoPh..275..229S [ADS](#)
- Boerner, P., Edwards, C., Lemen, J., et al., "Initial Calibration of the Atmospheric Imaging Assembly (AIA) on the Solar Dynamics Observatory (SDO)", 2012SoPh..275..41B [ADS](#)
- Shine, R. A., Wolfson, C., Boerner, P. F., Tarbell, T. D., & Nightingale, R. W., "Monitoring Image Alignments and Flat Fields for AIA/SDO Data Images", 2011SPD....42.2126S [ADS](#)
- Kubo, M., Ichimoto, K., Lites, B. W., & Shine, R. A., "Temporal Relation Between the Disappearance of Penumbral Fine-scale Structure and Evershed Flow", 2011ApJ...731..84K [ADS](#)
- Shine, R. A., Nightingale, R. W., Boerner, P., Tarbell, T. D., & Wolfson, C. J., "Flat Fielding and Image Alignments for AIA/SDO Data Images", 2010AGUFMSH23C1872S [ADS](#)
- Berger, T. E., Tarbell, T. D., Schrijver, C. J., et al., "Coordinated observations of solar prominences with Hinode/SOT and SDO/AIA", 2010AGUFMSH21C..04B [ADS](#)
- Lites, B. W., Kubo, M., Berger, T., et al., "Emergence of Helical Flux and the Formation of an Active Region Filament Channel", 2010ApJ...718..474L [ADS](#)
- Berger, T. E., Slater, G., Hurlburt, N., et al., "Quiescent Prominence Dynamics Observed with the Hinode Solar Optical Telescope. I. Turbulent Upflow Plumes", 2010ApJ...716.1288B [ADS](#)
- Hagenaar-Daggett, H. J. & Shine, R., "High Velocity Horizontal Motions at the Edge of Sunspot Penumbrae", 2010AAS...21640110H [ADS](#)
- Lites, B. W., Frank, Z., Shine, R. A., Title, A. M., & Ichimoto, K., "Is Flux Submergence an Essential Aspect of Flux Emergence?", 2009ASPC..415..172L [ADS](#)
- Hagenaar, H. J. & Shine, R. A., "Moving Magnetic Features and the Flow Pattern around Sunspots", 2009AGUFMSH51A1255H [ADS](#)
- Shine, R. A., Ryutova, M., Berger, T. E., et al., "Helical Shape and Twisting Motion as Intrinsic Properties of Penumbral Filaments", 2009AGUFMSH23B1541S [ADS](#)
- Lites, B. W., Kubo, M., Socas-Navarro, H., et al., "Has Hinode Revealed the Missing Turbulent Flux of the Quiet Sun?", 2009ASPC..405..173L [ADS](#)
- Ichimoto, K., Suematsu, Y., Katsukawa, Y., et al., "A New View of Fine Scale Dynamics and Magnetism of Sunspots Revealed by Hinode/SOT", 2009ASPC..405..167I [ADS](#)
- Hagenaar-Daggett, H. J., Shine, R. A., & Tarbell, T. D., "Magnetic Feature Tracking in Sunspot Moats Using Hinode/SOT Observations", 2009SPD....40.0908H [ADS](#)
- Okamoto, T. J., Tsuneta, S., Lites, B. W., et al., "Prominence Formation Associated with an Emerging Helical Flux Rope", 2009ApJ...697..9130 [ADS](#)
- Shimizu, T., Katsukawa, Y., Kubo, M., et al., "Hinode Observation of the Magnetic Fields in a Sunspot Light Bridge Accompanied by Long-Lasting Chromospheric Plasma Ejections", 2009ApJ...696L..66S [ADS](#)
- Tsuneta, S., Ichimoto, K., Katsukawa, Y., et al., "The Magnetic Landscape of the Sun's Polar Region", 2008ApJ...688.1374T [ADS](#)
- Kubo, M., Ichimoto, K., Shimizu, T., et al., "Evolution of Magnetic Fields at the Boundary of the Penumbra", 2008ASPC..397..79K [ADS](#)
- Suematsu, Y., Ichimoto, K., Katsukawa, Y., et al., "High Resolution Observations of Spicules with Hinode/SOT", 2008ASPC..397..27S [ADS](#)
- Lites, B. W., Kubo, M., Socas-Navarro, H., et al., "Magnetic Fields of the Quiet Sun: A New Quantitative Perspective From Hinode", 2008ASPC..397..17L [ADS](#)
- Ichimoto, K., Katsukawa, Y., Tarbell, T., et al., "On-orbit Performance of the Solar Optical Telescope aboard Hinode", 2008ASPC..397..5I [ADS](#)
- Kubo, M., Lites, B. W., Ichimoto, K., et al., "Disintegration of Magnetic Flux in Decaying Sunspots as Observed with the Hinode SOT", 2008ApJ...681.1677K [ADS](#)
- Ichimoto, K., Lites, B., Elmore, D., et al., "Polarization Calibration of the Solar Optical Telescope onboard Hinode", 2008SoPh..249..233I [ADS](#)
- Shimizu, T., Nagata, S., Tsuneta, S., et al., "Image Stabilization System for Hinode (Solar-B) Solar Optical Telescope", 2008SoPh..249..221S [ADS](#)
- Tsuneta, S., Ichimoto, K., Katsukawa, Y., et al., "The Solar Optical Telescope for the Hinode Mission: An Overview", 2008SoPh..249..167T [ADS](#)
- Matsumoto, T., Kitai, R., Shibata, K., et al., "Cooperative Observation of Ellerman Bombs between the Solar Optical Telescope aboard Hinode and Hida/Domeless Solar Telescope", 2008PASJ...60..577M [ADS](#)
- Shimizu, T., Lites, B. W., Katsukawa, Y., et al., "Frequent Occurrence of High-Speed Local Mass Downflows on the Solar Surface", 2008ApJ...680.1467S [ADS](#)
- Katsukawa, Y., Jurcak, J., Ichimoto, K., et al., "Photospheric Signature of Penumbral Microjets", 2008AGUSMSP53A..03K [ADS](#)
- Tan, C., Shine, R. A., Abramenko, V. I., & Wang, H., "Evolution of Evershed and Shear Flows Associated With the X3.4 Flare of December 13, 2006", 2008AGUSMSP51C..03T [ADS](#)
- Okamoto, T. J., Tsuneta, S., Lites, B. W., et al., "Emergence of a helical flux rope and prominence formation", 2008AGUSMSP43B..060 [ADS](#)
- Kubo, M., Lites, B. W., Ichimoto, K., et al., "Disintegration of Magnetic Flux in Decaying Sunspots as Observed with the Hinode/SOT", 2008AGUSMSP31B..01K [ADS](#)
- Shine, R. A., Title, A. M., Ichimoto, K., & Lites, B., "Sources and Sinks of the Evershed Flow", 2008AGUSMSP31A..01S [ADS](#)
- Nagata, S., Tsuneta, S., Suematsu, Y., et al., "Formation of Solar Magnetic Flux Tubes with Kilogauss Field Strength Induced by Convective Instability", 2008ApJ...677L.145N [ADS](#)
- Ishikawa, R., Tsuneta, S., Ichimoto, K., et al., "Transient horizontal magnetic fields in solar plage regions", 2008A&A...481L..25I [ADS](#)
- Ichimoto, K., Tsuneta, S., Suematsu, Y., et al., "Net circular polarization of sunspots in high spatial resolution", 2008A&A...481L..9I [ADS](#)
- Berger, T. E., Shine, R. A., Slater, G. L., et al., "Hinode SOT Observations of Solar Quiescent Prominence Dynamics", 2008ApJ...676L..89B [ADS](#)
- Okamoto, T. J., Tsuneta, S., Lites, B. W., et al., "Emergence of a Helical Flux Rope under an Active Region Prominence", 2008ApJ...673L.2150 [ADS](#)
- Lites, B. W., Kubo, M., Socas-Navarro, H., et al., "The Horizontal Magnetic Flux of the Quiet-Sun Internetwork as Observed with the Hinode Spectro-Polarimeter", 2008ApJ...672.1237L [ADS](#)
- Lites, B. W., Centeno, R., Kubo, M., et al., "Hinode Observations of Flux Emergence in Quiet and Active Regions", 2008ASPC..383..71L [ADS](#)
- Ichimoto, K., Suematsu, Y., Tsuneta, S., et al., "Twisting Motions of Sunspot Penumbral Filaments", 2007Sci...318.1597I [ADS](#)
- Katsukawa, Y., Berger, T. E., Ichimoto, K., et al., "Small-Scale Jetlike Features in Penumbral Chromospheres", 2007Sci...318.1594K [ADS](#)
- Shibata, K., Nakamura, T., Matsumoto, T., et al., "Chromospheric Anemone Jets as Evidence of Ubiquitous Reconnection", 2007Sci...318.1591S [ADS](#)
- Okamoto, T. J., Tsuneta, S., Berger, T. E., et al., "Coronal Transverse Magnetohydrodynamic Waves in a Solar Prominence", 2007Sci...318.15770 [ADS](#)
- De Pontieu, B., McIntosh, S. W., Carlsson, M., et al., "Chromospheric Alfvénic Waves Strong Enough to Power the Solar Wind", 2007Sci...318.1574D [ADS](#)
- Berger, T., Shine, R., Slater, G., et al., "Hinode SOT observations of plume upflows and cascading downflows in quiescent solar prominences", 2007AGUFMSH53A1065B [ADS](#)
- Tarbell, T. D., Lites, B. W., Shine, R. A., & Ichimoto, K., "Magnetic and Doppler Observations of the Photosphere and Low Chromosphere with the Solar Optical Telescope on Hinode", 2007AGUFMSH53A1064T [ADS](#)
- Shimizu, T., Kano, R., Katsukawa, Y., et al., "Magnetic field properties at the footpoints of solar microflares (active-region transient brightenings)", 2007AGUFMSH52C..06S [ADS](#)
- Shimizu, T., Katsukawa, Y., Matsuzaki, K., et al., "Hinode Calibration for Precise Image Co-Alignment between SOT and XRT (2006 November-2007 April)", 2007PASJ...59S.845S [ADS](#)
- Orozco Suárez, D., Bellot Rubio, L. R., Del Toro Iniesta, J. C., et al., "Strategy for the Inversion of Hinode Spectropolarimetric Measurements in the Quiet Sun", 2007PASJ...59S.8370 [ADS](#)
- Sterling, A. C., Moore, R. L., Berger, T. E., et al., "Hinode Observations of the Onset Stage of a Solar Filament Eruption", 2007PASJ...59S.823S [ADS](#)
- Isobe, H., Kubo, M., Minoshima, T., et al., "Flare Ribbons Observed with G-band and FeI 6302Å Filters of the Solar Optical Telescope on Board Hinode", 2007PASJ...59S.807I [ADS](#)
- Kubo, M., Yokoyama, T., Katsukawa, Y., et al., "Hinode Observations of a Vector Magnetic Field Change Associated with a Flare on 2006 December 13", 2007PASJ...59S.779R [ADS](#)

- de Pontieu, B., McIntosh, S., Hansteen, V. H., et al., “A Tale of Two Spicules: The Impact of Spicules on the Magnetic Chromosphere”, [2007PASJ...59S.655D ADS](#)
- Otsuji, K., Shibata, K., Kitai, R., et al., “Small-Scale Magnetic-Flux Emergence Observed with Hinode Solar Optical Telescope”, [2007PASJ...59S.6490 ADS](#)
- Li, H., Sakurai, T., Ichimoto, K., et al., “Response of the Solar Atmosphere to Magnetic Flux Emergence from Hinode Observations”, [2007PASJ...59S.643L ADS](#)
- Sekii, T., Kosovichev, A. G., Zhao, J., et al., “Initial Helioseismic Observations by Hinode/SOT”, [2007PASJ...59S.637S ADS](#)
- Nagashima, K., Sekii, T., Kosovichev, A. G., et al., “Observations of Sunspot Oscillations in G Band and CaII H Line with Solar Optical Telescope on Hinode”, [2007PASJ...59S.631N ADS](#)
- Moon, Y.-J., Kim, Y.-H., Park, Y.-D., et al., “Hinode SP Vector Magnetogram of AR10930 and Its Cross-Comparison with MDI”, [2007PASJ...59S.625M ADS](#)
- Chae, J., Moon, Y.-J., Park, Y.-D., et al., “Initial Results on Line-of-Sight Field Calibrations of SP/NFI Data Taken by SOT/Hinode”, [2007PASJ...59S.619C ADS](#)
- Morinaga, S., Nagata, S., Ichimoto, K., et al., “Center-to-Limb Variation of Stokes V Asymmetries in Solar Pores Observed with the Hinode Spectropolarimeter”, [2007PASJ...59S.613M ADS](#)
- Kubo, M., Ichimoto, K., Shimizu, T., et al., “Formation of Moving Magnetic Features and Penumbra Magnetic Fields with Hinode/SOT”, [2007PASJ...59S.607K ADS](#)
- Ichimoto, K., Shine, R. A., Lites, B., et al., “Fine-Scale Structures of the Evershed Effect Observed by the Solar Optical Telescope aboard Hinode”, [2007PASJ...59S.593I ADS](#)
- Kitai, R., Watanabe, H., Nakamura, T., et al., “Umbral Fine Structures in Sunspots Observed with Hinode Solar Optical Telescope”, [2007PASJ...59S.585K ADS](#)
- Katsukawa, Y., Yokoyama, T., Berger, T. E., et al., “Formation Process of a Light Bridge Revealed with the Hinode Solar Optical Telescope”, [2007PASJ...59S.577K ADS](#)
- Lites, B., Socas-Navarro, H., Kubo, M., et al., “Hinode Observations of Horizontal Quiet Sun Magnetic Flux and the “Hidden Turbulent Magnetic Flux””, [2007PASJ...59S.571L ADS](#)
- Orozco Suárez, D., Bellot Rubio, L. R., del Toro Iniesta, J. C., et al., “Quiet-Sun Internetwork Magnetic Fields from the Inversion of Hinode Measurements”, [2007ApJ...670L..610 ADS](#)
- Bellot Rubio, L. R., Tsuneta, S., Ichimoto, K., et al., “Vector Spectropolarimetry of Dark-cored Penumbral Filaments with Hinode”, [2007ApJ...668L..91B ADS](#)
- Lites, B. W., Elmore, D. F., Streander, K. V., et al., “Performance Characteristics of the Solar-B Spectro-Polarimeter”, [2007ASPC..369...55L ADS](#)
- Katsukawa, Y., Ichimoto, K., Sekii, T., et al., “Calibration of SOT Dopplergrams”, [2007ASPC..369...43K ADS](#)
- Ichimoto, K., Suematsu, Y., Shimizu, T., et al., “Calibration of the SOT Polarization”, [2007ASPC..369...39I ADS](#)
- Centeno, R., Socas-Navarro, H., Lites, B., et al., “Emergence of Small-Scale Magnetic Loops in the Quiet-Sun Internetwork”, [2007ApJ...666L.137C ADS](#)
- Okamoto, T., Tsuneta, S., Katsukawa, Y., et al., “Discovery Of Cool Cloud-like Structures In The Corona With Hinode Solar Optical Telescope”, [2007AAS...210.94260 ADS](#)
- Katsukawa, Y., Tsuneta, S., Suematsu, Y., et al., “Chromospheric Micro-jets Discovered Above Sunspot Penumbrae”, [2007AAS...210.9413K ADS](#)
- De Wijn, A., Lites, B., Berger, T., et al., “Magnetic Patches in Internetwork Quiet Sun”, [2007AAS...210.9412D ADS](#)
- Suematsu, Y., Katsukawa, Y., Ichimoto, K., et al., “High Resolution Observation of Spicules in Ca II H with Hinode/SOT”, [2007AAS...210.9411S ADS](#)
- Kubo, M., Ichimoto, K., Shimizu, T., et al., “Formation of Moving Magnetic Features and Penumbral Magnetic Fields”, [2007AAS...210.9410K ADS](#)
- Ichimoto, K., Suematsu, Y., Tsuneta, S., et al., “Hinode/SOT Observation of Fine Structure of the Evershed Flow”, [2007AAS...210.9408I ADS](#)
- Shine, R. A., Hagenaar, M., Tarbell, T., et al., “Hinode/SOT Observations of Sunspot Penumbral Dynamics and Evolution”, [2007AAS...210.9407S ADS](#)
- Centeno, R., Lites, B., Socas-Navarro, H., et al., “Magnetic Flux Emergence In The Quiet Sun Photosphere”, [2007AAS...210.9406C ADS](#)
- Lites, B. W., Socas Navarro, H., Berger, T., et al., “Ubiquitous Horizontal Magnetic Fields in the Quiet Solar Photosphere as Revealed by HINODE Measurements”, [2007AAS...210.6303L ADS](#)
- Ichimoto, K., Suematsu, Y., Shimizu, T., et al., “Magnetic Field Diagnostic Capability of Solar-B/SOT: Filtergraph Instrument”, [2006ASPC..358..189I ADS](#)
- Hagenaar-Daggett, H. J. & Shine, R. A., “Moving Magnetic Features Observed Simultaneously With Trace And DST”, [2006SPD....37.0709H ADS](#)
- Ryutova, M. & Shine, R., “Coupling effects throughout the solar atmosphere: Emerging magnetic flux and structure formation”, [2006JGRA..111.3101R ADS](#)
- Hagenaar, H. J. & Shine, R. A., “Moving Magnetic Features around Sunspots”, [2005ApJ...635..659H ADS](#)
- Shine, R. A., Title, A. M., Tarbell, T. D., et al., “Calibration and Tesing of the Tunable Filter on Solar B”, [2005AGUSMSP43A..04S ADS](#)
- Ryutova, M. & Shine, R., “Response of the Corona to Magnetic Activity in Underlying Plage Regions”, [2004ApJ...606..571R ADS](#)
- Simon, G. W. & Shine, R. A., “Dynamics and Properties of Supergranulation from TRACE Observations”, [2004AA...204.3718S ADS](#)
- Ryutova, M. & Shine, R., “Magnetic Coupling Between the Solar Surface and Corona: Theory and Observations”, [2004APIC..703..203R ADS](#)
- Hagenaar, H. J. & Shine, R. A., “Moving Magnet Features around Sunspots”, [2003AGUFMSH42B0544H ADS](#)
- Brown, D. S., Nightingale, R. W., Alexander, D., et al., “Observations of Rotating Sunspots from TRACE”, [2003SoPh..216...79B ADS](#)
- Ryutova, M., Tarbell, T. D., & Shine, R., “Interaction and Dynamics of the Photospheric Network Magnetic Elements”, [2003SoPh..213..231R ADS](#)
- Yoshimura, K., Kurokawa, H., Shimjo, M., & Shine, R., “Close Correlation among H Surges, Magnetic Flux Cancellations, and UV Brightenings Found at the Edge of an Emerging Flux Region”, [2003PASJ...55..313Y ADS](#)
- Shine, R. A., Hurlburt, N., Title, A. M., & Nightingale, R. W., “Visualizing and Interpreting Very High Resolution Solar Movies”, [2002AGUFMSH52A0498S ADS](#)
- Lites, B., Shine, R. A., López Ariste, A., & Tarbell, T. D., “Estimating the Effects of JPEG Compression and Radiation on the Accuracy of Vector Magnetic Fields Measurements for Solar-B”, [2002AGUFMSH52A0471L ADS](#)
- Title, A. M., Shine, R. A., & Schrijver, C. J., “High Speed Reconnection in the Low Corona”, [2002AGUFMSH52A0470T ADS](#)
- Nightingale, R. W., Shine, R. A., Alexander, D., et al., “TRACE, SOHO/EIT, and SOHO/MDI Observations of AR0030, Including Rotating Sunspots and the July 15, 2002 X3.0 Flare in Ultraviolet and Extreme Ultraviolet”, [2002AGUFMSH52A0467N ADS](#)
- Brown, D. S., Nightingale, R. W., Alexander, D., et al., “Observations of rotating sunspots and their effect in the corona”, [2002ESASP.505..261B ADS](#)
- Shimizu, T., Shine, R. A., Title, A. M., Tarbell, T. D., & Frank, Z., “Photospheric Magnetic Activities Responsible for Soft X-Ray Pointlike Microflares. I. Identifications of Associated Photospheric/Chromospheric Activities”, [2002ApJ...574.1074S ADS](#)
- Kurokawa, H., Ishii, T. T., Wang, T. J., & Shine, R., “Pre-Flare Heating Around the Temperature Minimum Region Found Right Prior to an X-Class Flare”, [2002mwoc.conf..257K ADS](#)
- Nightingale, R. W., Brown, D. S., Metcalf, T. R., et al., “Concurrent Rotating Sunspots, Twisted Coronal Fans, Sigmoid Structures and Coronal Mass Ejections”, [2002mwoc.conf..149N ADS](#)
- Yoshimura, K., Kurokawa, H., Shimjo, M., & Shine, R., “Surges, Magnetic Flux Cancellations, and UV Brightenings around an Emerging Flux Region”, [2002mwoc.conf..99Y ADS](#)
- Hurlburt, N., Freeland, S., Shine, R., & Bose, P., “A Prototype Problem-Solving Environment for Living With a Star Data”, [2001AGUFMSH31A0702H ADS](#)
- Shine, R. A., Frank, Z. A., Tarbell, T. D., & Simon, G. W., “Flow Map Studies of Supergranule and Mesogranule Evolution from TRACE”, [2001AGUFMSH11A0702S ADS](#)
- Krijger, J. M., Rutten, R. J., Lites, B. W., et al., “Dynamics of the solar chromosphere. III. Ultraviolet brightness oscillations from TRACE”, [2001AA...379.1052K ADS](#)
- Nightingale, R. W., Shine, R. A., Brown, D. S., et al., “More Rotating Sunspot Observations by TRACE With Twisting EUV Coronal Fans”, [2001AGUSM..SH41B11N ADS](#)
- Ryutova, M. P., Shine, R., & Tarbell, T. D., “Formation of Compact Coronal Structures Associated with the Emerging Magnetic Flux”, [2001AGUSM..SH32C01R ADS](#)
- Shine, R. & Title, A., “Sunspots: Moving Magnetic Features and Moat Flow”, in P. Murdin (Ed.), Encyclopedia of Astronomy and Astrophysics, 2038 2000eaa..bookE2038S ADS
- Shine, R. A., “Sunspot Oscillations from the Photosphere to the Corona”, [2000SPD....31.0303S ADS](#)
- Wolfson, C. J. & Shine, R. A., “TRACE Observations of Active Region Births”, [2000SPD....31.0142W ADS](#)
- Bush, R. I., Shine, R. A., Brandt, P., Sobotka, M., & Scharmer, G., “Coordinated MDI/TRACE/SVST Observations of Sunspots”, [2000SPD....31.0122B ADS](#)
- Shine, R. A., Simon, G. W., & Hurlburt, N. E., “Supergranule and Mesogranule Evolution”, [2000SoPh..193..313S ADS](#)
- Tarbell, T. D., Ryutova, M., & Shine, R., “Electro-Mechanical Coupling Between the Photosphere and Transition Region”, [2000SoPh..193..195T ADS](#)

- Worden, J., Harvey, J., & Shine, R., "Bright Chromospheric Grains and the Magnetic Intranetwork", 1999ApJ...523..450W [ADS](#)
- Schrijver, C. J., Title, A. M., Berger, T. E., et al., "A new view of the solar outer atmosphere by the Transition Region and Coronal Explorer", 1999SoPh..187..261S [ADS](#)
- Handy, B. N., Acton, L. W., Kankelborg, C. C., et al., "The transition region and coronal explorer", 1999SoPh..187..229H [ADS](#)
- Golub, L., Bookbinder, J., Deluca, E., et al., "A new view of the solar corona from the transition region and coronal explorer (TRACE)", 1999PhPl...6.2205G [ADS](#)
- Title, A., Schrijver, C., Tarbell, T., & Shine, R., "Observations of Filaments", 1999AA...194.7905T [ADS](#)
- Hagenaar, H. J., Schrijver, C. J., Title, A. M., & Shine, R. A., "Dispersal of Magnetic Flux in the Quiet Solar Photosphere", 1999ApJ...511..932H [ADS](#)
- Shine, R., Simon, G., & Hurlburt, N., "Supergranule and Mesogranule Evolution", 1999soho...9E..15S [ADS](#)
- Rutten, R. J., Lites, B. W., Berger, T. E., & Shine, R. A., "Dynamics of the Quiet Solar Chromosphere", 1999ASPC..158..249R [ADS](#)
- Berger, T. E., Löfdahl, M. G., Shine, R. A., & Title, A. M., "Measurements of Solar Magnetic Element Dispersal", 1998ApJ...506..439B [ADS](#)
- Schrijver, C. J., Title, A. M., Harvey, K. L., et al., "Large-scale coronal heating by the small-scale magnetic field of the Sun", 1998Natur.394..152S [ADS](#)
- Title, A., Tarbell, T., Schrijver, C., et al., "First Results from the TRACE Mission", 1998AA...192.1507T [ADS](#)
- Malherbe, J. M., Tarbell, T., Wiik, J. E., et al., "The Postflare Loops and the Nearby Active Chromosphere of 1992 June 26: Addendum", 1998ApJ...495..502M [ADS](#)
- Ryutova, M., Shine, R., Title, A., & Sakai, J. I., "A Possible Mechanism for the Origin of Emerging Flux in the Sunspot Moat", 1998ApJ...492..402R [ADS](#)
- Hoekzema, N. M., Rutten, R. J., Brandt, P. N., & Shine, R. A., "Small-scale topology of solar atmosphere dynamics. I. Wave sources and wave diffraction", 1998A&A...329..276H [ADS](#)
- Hurlburt, N., Frank, Z., Shine, R., et al., "Photospheric flows as measured by SOI/MDI", 1997ASSL..225..285H [ADS](#)
- Schrijver, C. J., Title, A. M., Hagenaar, H. J., & Shine, R. A., "Modeling the distribution of magnetic fluxes in field concentrations in a solar active region", 1997SoPh..175..329S [ADS](#)
- Schrijver, C. J., Title, A. M., van Ballegooijen, A. A., Hagenaar, H. J., & Shine, R. A., "Sustaining the Quiet Photospheric Network: The Balance of Flux Emergence, Fragmentation, Merging, and Cancellation", 1997ApJ...487..424S [ADS](#)
- Malherbe, J. M., Tarbell, T., Wiik, J. E., et al., "The Postflare Loops and the Nearby Active Chromosphere of 1992 June 26", 1997ApJ...482..535M [ADS](#)
- Shine, R. A., "Image Improvement Techniques", 1997SPD...28.1202S [ADS](#)
- Gary, D. E., Enome, S., Shibasaki, K., Gurman, J. B., & Shine, R. A., "Nobeyama/SOHO/BBSO Comparison of Solar Polar Coronal Holes", 1997SPD...28.0801G [ADS](#)
- Strous, L. H., Simon, G. W., Shine, R. A., & Hurlburt, N., "Horizontal Velocity Structure of Supergranules near Disk Center from High-Resolution SoHO/MDI Observations", 1997SPD...28.0265S [ADS](#)
- Shine, R., Strous, L., Simon, G., et al., "Comparison of Granulation Correlation Tracking (CT) and Feature Tracking (FT) Results from SOHO/MDI and the Swedish Vacuum Solar Telescope on La Palma", 1997SPD...28.0262S [ADS](#)
- Sakai, J. I., Ryutova, M., Schrijver, K., et al., "On the Dynamics of Magnetic Flux Concentrations in Quiet Photospheric Network.", 1997SPD...28.0260S [ADS](#)
- Frank, Z., Hurlburt, N., Shine, R., et al., "Comparison of supergranular flows from doppler and local correlation tracking velocities", 1997SPD...28.0259F [ADS](#)
- Hagenaar, H. J., Schrijver, C. J., Shine, R. A., & Title, A. M., "Dispersal of magnetic flux in the quiet network as observed on a day-long magnetogram sequences observed with MDI on SOHO", 1997SPD...28.0244H [ADS](#)
- Schrijver, C. J., Shine, R. A., Title, A. M., et al., "A search for interaction between magnetic fields and supergranular flows in the network based on MDI observations", 1997SPD...28.0243S [ADS](#)
- Title, A. M., Schrijver, C. J., van Ballegooijen, A. A., Hagenaar, H. J., & Shine, R. A., "The dynamic nature of the supergranular network", 1997SPD...28.0242T [ADS](#)
- Berger, T. E., Lofdahl, M. G., Shine, R. A., & Title, A. M., "Measurements of Magnetic Element Dynamics in the Network", 1997SPD...28.0219B [ADS](#)
- Lofdahl, M. G., Berger, T. E., Shine, R. A., & Title, A. M., "Phase-Diversity Restoration of two Simultaneous 70-minute Photospheric Sequences.", 1997SPD...28.0218L [ADS](#)
- Wolfson, J., Bruner, M., Jurcevich, B., et al., "The TRACE Mission", 1997SPD...28.0143W [ADS](#)
- Hoeksema, J. T., Bush, R. I., Scherrer, P. H., et al., "Continuous Observations of Solar Magnetic Fields from SOI/MDI on SOHO", 1997SPD...28.0127H [ADS](#)
- Hurlburt, N. E., Shine, R. A., & Tarbell, T. D., "Interactive interface for visualizing and analyzing multispectral solar images", 1997SPIE.3017..165H [ADS](#)
- Schrijver, C. J., Shine, R. A., Hurlburt, N. E., Tarbell, T. D., & Lemen, J. R., "The Dynamic Quiet Solar Corona: 4 Days of Joint Observing with MDI and EIT", 1997ESASP.404..669S [ADS](#)
- Sakai, J. I., Ryutova, M., Schrijver, K., et al., "On the dynamics of magnetic flux concentrations in quiet photospheric network.", 1997BAAS...29T.904S [ADS](#)
- Schrijver, C. J., Shine, R. A., Hagenaar, H. J., et al., "Dynamics of the Chromospheric Network: Mobility, Dispersal, and Diffusion Coefficients", 1996ApJ...468..921S [ADS](#)
- Title, A., Tarbell, T., Frank, Z., et al., "Initial Results from SOI/MDI High Resolution Magnetograms", 1996AA...188.6915T [ADS](#)
- Tarbell, T., Frank, Z., Hurlburt, N., et al., "Preliminary SOI/MDI Observations of Surface Flows by Correlation Tracking in the Quiet Solar Photosphere and an Emerging Active Region", 1996AA...188.6914T [ADS](#)
- Simon, G., Frank, Z., Hurlburt, N., et al., "SOI/MDI Measurements of Horizontal Flows in the South Polar Region of the Sun by Correlation Tracking and Doppler Shifts", 1996AA...188.6913S [ADS](#)
- Sakai, J.-I., Shine, R., Title, A., & Ryutova, M., "A Possible Mechanism for the Origin Emerging Flux in the Sunspot Moat", 1996AA...188.3502S [ADS](#)
- Shine, R. A., Title, A., Frank, Z., & Scharmer, G., "Photospheric Surface Flows and Small Magnetic Structures in Sunspot Moats", 1996AA...188.3501S [ADS](#)
- Shimizu, T., Tsuneta, T., Title, A., et al., "Heating of Active Region Corona by Transient Brightenings (Microflares)", 1996mpsaa.conf...37S [ADS](#)
- Berger, T. E., Schrijver, C. J., Shine, R. A., et al., "New Observations of Subarcsecond Photospheric Bright Points", 1995ApJ...454..531B [ADS](#)
- Hurlburt, N. E., Schrijver, C. J., Shine, R. A., & Title, A. M., "Simulated MDI Observations of Convection", 1995ESASP.376b.239H [ADS](#)
- Simon, G. W., Brandt, P. N., November, L. J., Shine, R. A., & Strous, L. H., "Warning: Local Correlation Tracking may BE Dangerous to your (scientific) Health", 1995ESASP.376b.223S [ADS](#)
- Lites, B. W., Low, B. C., Martínez Pillet, V., et al., "The Possible Ascent of a Closed Magnetic System through the Photosphere", 1995ApJ...446..877L [ADS](#)
- Title, A. M., Frank, Z. A., Shine, R. A., et al., "Flux Emergence in a Sunspot Moat and Young Active Region", 1995SPD...26.1007T [ADS](#)
- Shine, R. A., Tarbell, T., Title, A., et al., "Frame Selection Techniques for Solar Movies", 1995SPD...26..506S [ADS](#)
- Berger, T., Schrijver, C., Shine, R., et al., "Properties of Sub-Arcsecond Facular Bright Points", 1995SPD...26..505B [ADS](#)
- Title, A. M., Hurlburt, N., Schrijver, C., Shine, R., & Tarbell, T., "Observations of Convection", 1995ESASP.376a.113T [ADS](#)
- Berger, T., Shine, R., Tarbell, T., Title, A., & Scharmer, G., "On the Relation Between Facular Bright Points and the Magnetic Field", 1994AA...185.8607B [ADS](#)
- Title, A. M., Shine, R. A., Frank, Z. A., Simon, G. W., & Brandt, P. N., "Flux Emergence in the Sunspot Moat", 1994AA...185.8602T [ADS](#)
- Shine, R. A., Title, A. M., Tarbell, T. D., et al., "High-Resolution Observations of the Evershed Effect in Sunspots", 1994ApJ...430..413S [ADS](#)
- Maran, S. P., Robinson, R. D., Shore, S. N., et al., "Observing Stellar Coronae with the Goddard High Resolution Spectrograph. I. The dMe Star AU Microscopii", 1994ApJ...421..800M [ADS](#)
- Hofmann, A., Shine, R. A., Frank, Z. A., Schmidt, W., & Balthasar, H., "Vector-Stokes polarimetry in a sunspot", 1994smf..conf..204H [ADS](#)
- Simon, G. W., Brandt, P. N., November, L. J., Scharmer, G. B., & Shine, R. A., "Large-scale photospheric motions: first results from an extraordinary eleven-hour granulation observation", 1994ASIC..433..261S [ADS](#)
- Brandt, P. N., Rutten, R. J., Shine, R. A., & Trujillo Bueno, J., "On photospheric flows and chromospheric corks", 1994ASIC..433..251B [ADS](#)
- Shine, R. A., Title, A. M., Tarbell, T. D., et al., "Dynamics of the Evershed effect", 1994ASIC..433..197S [ADS](#)
- Balthasar, H., Hofmann, A., Schmidt, W., Shine, R. A., & Frank, Z. A., "High resolution vector polarimetry of sunspot magnetic fields.", 1994AGAb...10..112B [ADS](#)
- Shine, R., Tarbell, T., Topka, K., et al., "La Palma Observations During the CoMSIOC'92 Campaign", 1993BAAS...25S1223S [ADS](#)

- Brown, W. A., Acton, L. W., Bruner, M. E., et al., "Observations of an Emerging Flux Region", 1993BAAS...25Q1214B [ADS](#)
- Tarbell, T., Frank, Z., Hurlburt, N., et al., "Solar Coronal Magnetic Field Topology Inferred from High Resolution Optical and X-ray Movies", 1993BAAS...25..1208T [ADS](#)
- Shine, R., Title, A., Smith, K., & Scharmer, G., "High Resolution Observations of the Evershed Flow in Sunspots", 1993BAAS...25..1183S [ADS](#)
- Bruner, M. E., Acton, L. W., Brown, W. A., et al., "Multitemperature Observations of an Emerging Flux Region", 1993BAAS...25..1179B [ADS](#)
- Tarbell, T., Frank, Z., Hurlburt, N., et al., "Solar Coronal Magnetic Field Topology Inferred from High Resolution Optical and X-ray Movies", 1993AA...182..4805T [ADS](#)
- Hurlburt, N., Title, A., Tarbell, T., et al., "'The Active Sun': Educational videotapes on Solar Physics for College Astronomy", 1993AA...182..1002H [ADS](#)
- Title, A. M., Frank, Z. A., Shine, R. A., et al., "On the Magnetic and Velocity Field Geometry of Simple Sunspots", 1993ApJ...403..780T [ADS](#)
- Title, A. M., Tarbell, T. D., Simon, G. W., et al., "White-light movies of the solar photosphere from the SOUP instrument on Spacelab 2 (Advances in Space Research 1986)", in Selected Papers on Instrumentation in Astronomy, 100 1993inas.book..100T [ADS](#)
- Shine, R. A. & Majani, E. E., "Data Compression Experiments with High Resolution Solar Images", 1992AA...181..8113S [ADS](#)
- Title, A., Tarbell, T., Shine, R., Topka, K., & Frank, Z., "High resolution observations: the state of the art and beyond.", 1992ESASP.344....9T [ADS](#)
- Muller, R., Auffret, H., Roudier, T., et al., "Evolution and advection of solar mesogranulation", 1992Natur.356..322M [ADS](#)
- Brandt, P. N., Rutten, R. J., Shine, R. A., & Trujillo Bueno, J., "Dynamics of the Quiet Solar Atmosphere: K2v Cell Grains Versus Magnetic Elements", 1992ASPC...26..161B [ADS](#)
- Title, A. M., Frank, Z. A., Shine, R. A., et al., "High Resolution Observations of the Magnetic and Velocity Field of Simple Sunspots", 1992ASIC..375..195T [ADS](#)
- Maran, S. P., Woodgate, B. E., Carpenter, K. G., et al., "An Investigation of the Flare Star AU Mic with the Goddard High Resolution Spectrograph on the Hubble Space Telescope", 1991BAAS...23..1382M [ADS](#)
- Title, A. M., Frank, Z. A., Shine, R. A., & Tarbell, T. D., "Field Geometry of Sunspots Inferred from Inclination Effects", 1991BAAS...23R1052T [ADS](#)
- Simon, G. W., Title, A. M., Shine, R. A., et al., "Observations of the Birth and Death of Mesogranules", 1991BAAS...23..1034S [ADS](#)
- Shine, R., Tarbell, T., Title, A., et al., "Sunspot Umbral and Penumbral Oscillations in H α ", 1991BAAS...23..1033S [ADS](#)
- Tarbell, T. D., Slater, G. L., Frank, Z. A., Shine, R. A., & Topka, K. P., "Generation of Electric Currents and Waves on Magnetic Flux Tubes by Horizontal Velocities in the Photosphere (With 1 Figure)", 1991mcch.conf...39T [ADS](#)
- Shine, R. A., Scharmer, G., Tarbell, T. D., Title, A. M., & Topka, K. P., "SOUP Observations of Solar Activity", 1991max..conf..295S [ADS](#)
- Roudier, T., Muller, R., Vigneau, J., et al., "Results from high resolution solar images and spectra obtained at the Pic du Midi Observatory (1986-1990)", 1991AdSpR..11e.205R [ADS](#)
- Brandt, P. N., Ferguson, S., Shine, R. A., Tarbell, T. D., & Scharmer, G. B., "Variation of granulation properties on a mesogranular scale", 1991A&A...241..219B [ADS](#)
- Topka, K., Ferguson, S., Shine, R., et al., "Detailed Comparison of Quiet and Magnetic Sun", 1990BAAS...22R.879T [ADS](#)
- Shine, R., Smith, K., Tarbell, T., Title, A., & Scharmer, G., "Penumbral Flows and Magnetic Fields", 1990BAAS...22..878S [ADS](#)
- Frank, Z. A., Shine, R. A., Slater, G., Tarbell, T., & Topka, K., "Generation of Waves and Electric Currents on Magnetic Flux Tubes by Horizontal and Vertical Velocities in the Photosphere", 1990BAAS...22..878F [ADS](#)
- Muller, R., Roudier, T., Vigneau, J., et al., "Formation of Network Bright Points by Granule Compression", 1990PDHO....7..150M [ADS](#)
- Muller, R., Roudier, T., Vigneau, J., et al., "Structure and Evolution of the Large Scale Granulation", 1990PDHO....7..44M [ADS](#)
- Tarbell, T., Ferguson, S., Frank, Z., et al., "High-Resolution Observations of Emerging Magnetic Fields and Flux Tubes in Active Region Photosphere", 1990IAUS..138..147T [ADS](#)
- Title, A. M., Shine, R. A., Tarbell, T. D., Topka, K. P., & Scharmer, G. B., "High Resolution Observations of the Photosphere", 1990IAUS..138..49T [ADS](#)
- Topka, K., Frank, Z., Shine, R., et al., "Initial Results of the Lockheed 1989 La Palma Observing Campaign", 1989BAAS...21.1111T [ADS](#)
- Brandt, P. N., Ferguson, S., Scharmer, G. B., et al., "Variation of granulation properties on a meso-granular scale", 1989hsrs.conf..473B [ADS](#)
- Tarbell, T., Gilbreth, C., Shine, R., et al., "Investigation of Active Regions at High Resolution by Balloon Flights of the Solar Optical Universal Polarimeter (SOUP)", 1989BAAS...21R.837T [ADS](#)
- Title, A. M., Frank, Z. A., Shine, R. A., Tarbell, T. D., & Scharmer, G., "Magnetic Field Inclination in Penumbra of a Round Sunspot Observed at Very High Spatial Resolution", 1989BAAS...21Q.837T [ADS](#)
- Topka, K., Frank, Z., Shine, R., et al., "Short Term Evolution of Fine Scale Magnetic Structures", 1989BAAS...21..842T [ADS](#)
- Frank, Z., Muller, R., Roudier, T., et al., "Proper Motion and Lifetime of Mesogranules", 1989BAAS...21..841F [ADS](#)
- Shine, R., Tarbell, T., Title, A., et al., "Observations of Running Penumbral Waves", 1989BAAS...21..837S [ADS](#)
- Tarbell, T. D., Ferguson, S. H., Frank, Z. A., & Shine, R. A., "Generation of Waves on Magnetic Flux Tubes by Horizontal Velocities in the Photosphere", 1989BAAS...21..830T [ADS](#)
- Doschek, G. A., Antiochos, S. K., Antonucci, E., et al., "Chromospheric explosions.", 1989epos.conf..303D [ADS](#)
- Tarbell, T., Frank, Z., Gilbreth, C., et al., "Investigation of active regions at high resolution by balloon flights of the Solar Optical Universal Polarimeter (SOUP)", 1989dots.work..310T [ADS](#)
- Simon, G. W., Title, A. M., Topka, K. P., et al., "Magnetoconvection on the solar surface.", 1989GMS....54..53S [ADS](#)
- Title, A. M., Tarbell, T. D., Topka, K. P., et al., "Statistical Properties of Solar Granulation Derived from the SOUP Instrument on Spacelab 2", 1989ApJ...336..475T [ADS](#)
- Simon, G. W., November, L. J., Ferguson, S. H., et al., "Details of Large Scale Solar Motions Revealed by Granulation Test Particles", 1989ASIC..263..371S [ADS](#)
- Brandt, P. N., Scharmer, G. B., Ferguson, S. H., et al., "Vortex Motion of the Solar Granulation", 1989ASIC..263..305B [ADS](#)
- Title, A. M., Tarbell, T. D., Topka, K. P., et al., "Flows, Random Motions and Oscillations in Solar Granulation Derived from the SOUP Instrument on Spacelab 2", 1989ASIC..263..225T [ADS](#)
- Tarbell, T. D., Peri, M., Frank, Z., Shine, R., & Title, A. M., "Observations of f- and p-mode oscillations of high degree ($500 < l < 2500$) in quiet and active Sun.", 1988ESASP..286..315T [ADS](#)
- Topka, K., Title, A., Tarbell, T., Ferguson, S., & Shine, R., "Statistical properties of solar granulation from the SOUP instrument on Spacelab 2", 1988fnsm.work..294T [ADS](#)
- Shine, R. A. & Schrijver, C. J., "Active region evolution in the chromosphere and transition region", 1988fnsm.work...29S [ADS](#)
- Brandt, P. N., Scharmer, G. B., Ferguson, S., et al., "Vortex flow in the solar photosphere", 1988Natur.335..238B [ADS](#)
- Topka, K., Ferguson, S., Frank, Z., et al., "Observations of Granulation in Quiet and Magnetic Sun from the Swedish Solar Observatory on LaPalma", 1988BAAS...20S1010T [ADS](#)
- Wolfson, J., Ferguson, S., Frank, Z., et al., "Solar Activity and Flare Observations from the Swedish Solar Observatory on La Palma", 1988BAAS...20..978W [ADS](#)
- Simon, G. W., Title, A. M., Topka, K. P., et al., "On the Relation between Photospheric Flow Fields and the Magnetic Field Distribution on the Solar Surface", 1988ApJ...327..964S [ADS](#)
- Title, A., Shine, R., Ferguson, S., et al., "Solar Granulation Movies of Exceptional Spatial Resolution: Observations and Simulations of Horizontal Convective Flows", 1988BAAS...20R.679T [ADS](#)
- Topka, K., Title, A., Tarbell, T., Ferguson, S., & Shine, R., "Statistical Properties of Solar Granulation from the SOUP Instrument on Spacelab 2", 1988BAAS...20Q.679T [ADS](#)
- Shine, R. A. & Schrijver, C., "Active Region Evolution in the Chromosphere and Transition Region", 1988BAAS...20..744S [ADS](#)
- Peri, M., Frank, Z., Shine, R., Tarbell, T., & Title, A., "Observations of F-and P-Mode Oscillations of High Degree ($500 < l < 3500$) in Quiet and Active Sun", 1988BAAS...20..702P [ADS](#)
- Title, A., Tarbell, T., Topka, K., et al., "Correlation Lifetimes of Quiet and Magnetic Granulation from the SOUP Instrument on Spacelab 2", 1988ApL&C..27..141T [ADS](#)
- Simon, G. W., November, L. J., Acton, L. W., et al., "The relation between convection flows and magnetic structure at the solar surface", 1988AdSpR...8k.133S [ADS](#)
- Simon, G. W., November, L. J., Acton, L. W., et al., "Variability of solar mesogranulation", 1988AdSpR...8g.169S [ADS](#)
- Shine, R. A., Title, A. M., Tarbell, T. D., & Topka, K. P., "White Light Sunspot Observations from the Solar Optical Universal Polarimeter on Spacelab-2", 1987Sci...238.1264S [ADS](#)
- Shine, R. A., Title, A. M., Tarbell, T. D., et al., "Sunspot observations from the SOUP instrument on Spacelab 2.", 1987NASCP2483..133S [ADS](#)
- Scharmer, G., Brandt, P., Title, A., Shine, R., & Ferguson, S., "Vortex Flow in Granulation", 1987BAAS..19Q1118S [ADS](#)
- Tarbell, T. D., Frank, Z. A., Morrill, M. E., et al., "High-Resolution CCD Observations of Doppler and Magnetic Images in the Solar Photosphere", 1987BAAS...19.1117T [ADS](#)

- Tarbell, T. D., Shine, R. A., Ferguson, S. H., Title, A. M., & Leibacher, J. W., "Ocean Waves in the Photosphere: Measurements of Oscillations with Wavelengths of 1 - 10 Mm from SOUP White Light Images", 1987BAAS...19Q.936T [ADS](#)
- Shine, R. A., Title, A. M., Topka, K. P., Tarbell, T. D., & Zirin, H., "Simultaneous Sunspot Observations from the SOUP Instrument on Spacelab 2 and the Big Bear Solar Observatory", 1987BAAS...19..927S [ADS](#)
- Title, A. M., Tarbell, T. D., Topka, K. P., et al., "New Ideas About Granulation Based on Data from the Solar Optical Universal Polarimeter Instrument on Spacelab 2 and Magnetic Data from Big Bear Solar Observatory", in E.-H. Schröter and M. Schüssler (Eds.), Solar and Stellar Physics, Vol. 292, 173 1987LNP...292..173T [ADS](#)
- Hayes, M. & Shine, R. A., "SMM Observations of Si IV and O IV Bursts in Solar Active Regions", 1987ApJ...312..943H [ADS](#)
- Mason, H. E., Shine, R. A., Gurman, J. B., & Harrison, R. A., "Spectral Line Profiles of Fe XXI 1354.1 Angstrom from the Solar Maximum Mission", 1986ApJ...309..435M [ADS](#)
- Shine, R. A. & McWhirter, R. W. P., "SMM Observations of Non-Linear Oscillations in the C IV 1548Å Line above a Sunspot", 1986BAAS...18Q.990S [ADS](#)
- Shine, R. A. & SOUP Team, "White Light Observations of a Sunspot Penumbra and its Interaction with the Surrounding Photosphere", 1986BAAS...18..661S [ADS](#)
- Woodgate, B. E., Boggess, A., Gull, T. R., et al., "Second generation spectrograph for the Hubble Space Telescope.", 1986SPIE..627..350W [ADS](#)
- Doschek, G. A., Antiochos, S. K., Antonucci, E., et al., "Chromospheric explosions.", 1986NASCP2439...4D [ADS](#)
- Maran, S. P., Woodgate, B. E., Boggess, A., et al., "Second Generation Spectrograph for the Hubble Space Telescope", 1986BAAS...18..636M [ADS](#)
- Title, A. M., Tarbell, T. D., Simon, G. W., et al., "White-light movies of the solar photosphere from the soup instrument on spacelab 2", 1986AdSpR...6h.253T [ADS](#)
- MacNeice, P., Pallavicini, R., Mason, H. E., et al., "Multiwavelength Analysis of a Well Observed Flare from Solar Maximum Mission", 1985SoPh...99..167M [ADS](#)
- Topka, K., Shine, R., & SOUP Team, "Association of Small, Bright Photospheric Features with Magnetic Fields", 1985BAAS...17..834T [ADS](#)
- Kundu, M. R., Gaizauskas, V., Woodgate, B. E., et al., "Erratum - a Study of Flare Buildup from Simultaneous Observations in Microwave H α and Ultra-violet Wavelengths", 1985ApJS...58..195K [ADS](#)
- Bruner, M. E. & Shine, R. A., "Absolute Wavelength Measurements of Solar UV Emission Lines", 1985BAAS...17..630B [ADS](#)
- Kundu, M. R., Gaizauskas, V., Woodgate, B. E., et al., "A study of flare buildup from simultaneous observations in microwave, H-alpha, and UV wavelengths", 1985ApJS...57..621K [ADS](#)
- Hénoux, J. C., Chambe, G., Heristchi, D., et al., "Energy Release and Energy Transport Below the Transition Zone in Solar Flares", 1985spit.conf..758H [ADS](#)
- Shine, R. A., Woodgate, B. E., & Gurman, J. B., "Center-to-Limb Variation of Transition Region Redshift", 1984BAAS...16..992S [ADS](#)
- Shine, R. A. & Mason, H. E., "Evidence for Chromospheric Evaporation in Solar Flares from UV Observations", 1984BAAS...16..543S [ADS](#)
- Shine, R. A., "Scientific Results from the Ultraviolet Spectrometer and Polarimeter on SMM", 1984stpc..conf..91S [ADS](#)
- Gaizauskas, V., Kundu, M. R., Schmahl, E. J., Shine, R. A., & Woodgate, B. E., "Optical, microwave and UV imagery of a solar flare.", 1983JRASC...77..261G [ADS](#)
- Shine, R. A., "Formation of the CL I line at 1351 Å in the solar chromosphere", 1983ApJ...266..882S [ADS](#)
- Henoux, J. C., Heristchi, D., Chambe, G., et al., "Conductive flux in flaring solar chromospheres deduced from the linear polarization observations", 1983A&A...119..233H [ADS](#)
- Woodgate, B. E., Shine, R. A., Poland, A. I., & Orwig, L. E., "Simultaneous ultraviolet line and hard X-ray bursts in the impulsive phase of solar flares", 1983ApJ...265..530W [ADS](#)
- Athay, R. G., Gurman, J. B., Henze, W., & Shine, R. A., "Fluid motions in the solar chromosphere-corona transition region. I - Line widths and Doppler shifts for C IV", 1983ApJ...265..519A [ADS](#)
- Henze, W., J., Tandberg-Hanssen, E., Hagyard, M. J., et al., "Observations of the Longitudinal Magnetic Field in the Transition Region and Photosphere of a Sunspot", 1982SoPh...81..231H [ADS](#)
- Simon, G., Mein, P., Vial, J. C., Shine, R. A., & Woodgate, B. E., "Measurements of solar transition zone velocities and line broadening using the ultraviolet spectrometer and polarimeter on the Solar Maximum Mission", 1982A&A...115..367S [ADS](#)
- Athay, R. G., Gurman, J. B., Shine, R. A., & Henze, W., "Fluid motions in the solar chromosphere-corona transition region. II Active region flows in C IV from narrow slit Dopplergrams", 1982ApJ...261..684A [ADS](#)
- Gebbie, K. B., Toomre, J., Haber, D. A., et al., "Relation of Ephemeral Magnetic Regions to the Low Amplitude Branch of Persistent Vertical Velocities", 1982BAAS...14R.939G [ADS](#)
- Woodgate, B. E., Shine, R. A., Schmahl, E. J., Kundu, M., & Gaizauskas, V., "Upflows Immediately Prior to the Impulsive Phase of Solar Flares", 1982BAAS...14..898W [ADS](#)
- Skelton, D. L. & Shine, R. A., "Formation of the O I resonance triplet and intercombination doublet in the solar chromosphere", 1982ApJ...259..869S [ADS](#)
- Mein, P., Simon, G., Vial, J. C., & Shine, R. A., "Mass motions in the solar chromosphere and transition zone", 1982A&A...111..136M [ADS](#)
- Poland, A. I., Machado, M. E., Wolfson, C. J., et al., "The Impulsive and Gradual Phases of a Solar Limb Flare as Observed from the Solar Maximum Mission Satellite", 1982SoPh...78..201P [ADS](#)
- Roussel-Dupré, D. & Shine, R. A., "Evidence of redshifts in the average solar line profiles of C iv and Si iv from OSO-8 observations", 1982SoPh...77..329R [ADS](#)
- Gurman, J. B., Leibacher, J. W., Shine, R. A., Woodgate, B. E., & Henze, W., "Transition region oscillations in sunspots.", 1982ApJ...253..939G [ADS](#)
- Cheng, C. C., Bruner, E. C., Tandberg-Hanssen, E., et al., "Observations of solar flare transition zone plasmas from the Solar Maximum Mission", 1982ApJ...253..353C [ADS](#)
- Henoux, J. C., Chambe, G., Semel, M., et al., "Impact linear polarization observed in a UV chromospheric line during a solar flare", 1982AdSpR...2k.155H [ADS](#)
- Gebbie, K. B., Hill, F., November, L. J., et al., "Steady flows in the solar transition region observed with SMM", 1981ApJ...251L.115G [ADS](#)
- Cheng, C. C., Tandberg-Hanssen, E., Bruner, E. C., et al., "Spatial and temporal structures of impulsive bursts from solar flares observed in UV and hard X-rays", 1981ApJ...248L..39C [ADS](#)
- Shine, R. A., Woodgate, B. E., & Ayres, T. R., "Excitation of the Chlorine I Line at 1351Å", 1981BAAS...13Q.830S [ADS](#)
- Gebbie, K. B., Hill, F., Toomre, J., et al., "Height Dependence of Steady Flows Determined from Coordinated SMM and SPO Observations", 1981BAAS...13..914G [ADS](#)
- Henze, W., Tandberg-Hanssen, E., Reichmann, E. J., et al., "SMM/UVSP Observations of Oscillations and Other Properties in a Sunspot", 1981BAAS...13..858H [ADS](#)
- Schmahl, E. J., Kundu, M. R., Woodgate, B., & Shine, R., "Flare Buildup at 6 cm Wavelength, in UV and H α ", 1981BAAS...13..846S [ADS](#)
- Woodgate, B. E., Shine, R. A., Brandt, J. C., et al., "Observations of the 1980 April 30 limb flare by the ultraviolet spectrometer and polarimeter on the Solar Maximum Mission", 1981ApJ...244L.133W [ADS](#)
- Gurman, J. B., Shine, R. A., Woodgate, B. E., Leibacher, J. W., & Henze, W., "UVSP/SMM observations of transition region oscillations in sunspots", 1981phss.conf..319G [ADS](#)
- Hagyard, M. J., West, E. A., Tandberg-Hanssen, E., et al., "The photospheric vector magnetic field of a sunspot and its vertical gradient", 1981phss.conf..213H [ADS](#)
- Tandberg-Hanssen, E., Woodgate, B. E., Athay, R. G., et al., "Solar Maximum Mission experiment: ultraviolet spectroscopy and polarimetry on the Solar Maximum Mission.", 1981hea..conf..275T [ADS](#)
- Tandberg-Hanssen, E., Cheng, C. C., Woodgate, B. E., et al., "Solar maximum mission experiment: Ultraviolet spectroscopy and polarimetry on the solar maximum mission", 1981AdSpR...1m.275T [ADS](#)
- Henze, W., Beckers, J. M., Gurman, J. B., et al., "SMM/UVSP Observations of Magnetic Fields in the Transition Region above Sunspots", 1980BAAS...12R.896H [ADS](#)
- Shine, R. A., Woodgate, B. E., Dennis, B. R., et al., "Correlations Between UV and X-Rays for the June 29, 1980 Flare at 02:34", 1980BAAS...12Q.903S [ADS](#)
- Woodgate, B. E., Bruner, E. C., Cheng, C. C., et al., "The Development of Flares Observed in the Spectral Lines OV 1371 Å, FeXXI 1354 Å, and in Hard X-Rays", 1980BAAS...12..911W [ADS](#)
- Gebbie, K. B., Hill, F., Toomre, J., et al., "Steady Flows in the Solar Transition Region Observed with the UVSP Experiment on SMM", 1980BAAS...12..907G [ADS](#)
- Gurman, J. B., Shine, R. A., Woodgate, B. E., et al., "Transition Region Oscillations in Sunspots", 1980BAAS...12..906G [ADS](#)
- Frost, K. J., Dennis, B. R., Orwig, L. E., et al., "The Spatial Dependence of UV and X-Ray Phenomena Occurring During the Impulsive Phase of a Flare", 1980BAAS...12..905F [ADS](#)
- Poland, A. I., Woodgate, B. E., Shine, R. A., et al., "UV Observations of the June 29, 1980 Flare at 18:24UT", 1980BAAS...12..903P [ADS](#)
- Bruner, E. C., Rehse, R., Schoolman, S. A., et al., "Density Diagnostic of Solar Active Region and Flare Plasmas from Si IV/O IV Line Ratio as Observed from SMM", 1980BAAS...12R.539B [ADS](#)

- Shine, R. A., Brandt, J. C., Chapman, R. D., et al., "Active Region Morphology and Evolution Images from the Ultraviolet Spectrometer and Polarimeter", 1980BAAS...12R.531S [ADS](#)
 Woodgate, B. E., Brandt, J. C., Chapman, R. D., et al., "The Dynamics of Solar Flares and Surges as Seen at the Solar Limb in the Transition Zone", 1980BAAS...12Q.535W [ADS](#)
 Gurman, J. B., Woodgate, B. E., Shine, R. A., et al., "Sunspot Observations with the Ultraviolet Spectrometer and Polarimeter Experiment on the Solar Maximum Mission", 1980BAAS...12..535G [ADS](#)
 Tandberg-Hanssen, E., Athay, R. G., Bruner, E. C., et al., "The Ultraviolet Spectrometer and Polarimeter (UVSP) on the Solar Maximum Mission and Initial Results in Polarimetry", 1980BAAS...12..534T [ADS](#)
 Bruner, E. C., Rehse, R., Schoolman, S. A., et al., "Density diagnostic of solar active region and flare plasmas from Si IV/O IV line ratio as observed from SMM (Solar Maximum Mission)", 1980BAAS...12..534B [ADS](#)
 Henze, W., Brown, T., Brandt, J. C., et al., "Solar Flare and Surge Image Sequences as Seen by the Ultraviolet Spectrometer and Polarimeter on SMM", 1980BAAS...12..532H [ADS](#)
 Woodgate, B. E., Tandberg-Hanssen, E. A., Bruner, E. C., et al., "The ultraviolet spectrometer and polarimeter on the Solar Maximum Mission.", 1980SoPh...65..73W [ADS](#)
 Lites, B. W., Hansen, E. R., & Shine, R. A., "Line formation in the solar chromosphere. II - an optically thick region of the chromosphere-corona transition region observed with OSO 8", 1980ApJ...236..280L [ADS](#)
 Skelton, D. L. & Shine, R. A., "Formation of the Solar OI Lines - Implications of an Improved 3D Branching Ratio", 1979BAAS...11..641S [ADS](#)
 Shine, R. A., Kenny, P. J., Michalitsianos, A. G., et al., "Pre-Flight Calibrations of Solar Maximum Missions Ultraviolet Spectrometer & Polarimeter II: Polarimeter Performance", 1979BAAS...11..447S [ADS](#)
 Michalitsianos, A. G., Kenney, P. J., Shine, R. A., et al., "Pre-Flight Calibration of the Solar Maximum Mission Ultraviolet Spectrometer and Polarimeter I. Instrumentation & Spectrometer Performance", 1979BAAS...11..447M [ADS](#)
 Tandberg-Hanssen, E., Woodgate, B. E., Brandt, J. C., et al., "Solar maximum ultraviolet spectrometer and polarimeter", 1979SPIE..184..264T [ADS](#)
 Shine, R. A., Lites, B. W., & Chipman, E. G., "Overlapping emission peaks in the solar C I multiplet at lambda 1560 and lambda 1657.", 1978ApJ...224..247S [ADS](#)
 Lites, B. W., Shine, R. A., & Chipman, E. G., "Line formation in the solar chromosphere. I. The C II resonance lines observed with OSO 8.", 1978ApJ...222..333L [ADS](#)
 Haisch, B. M., Linsky, J. L., Weinstein, A., & Shine, R. A., "Analysis of the chromospheric spectrum of O I in Arcturus.", 1977ApJ...214..785H [ADS](#)
 Shine, R. A. & Lites, B. W., "Center-to-Limb Profiles and Spatial Variations of SiII and FeII Lines in the Solar EUV", 1977BAAS...9R.325S [ADS](#)
 Skelton, D. L. & Shine, R. A., "Formation of the Solar OI Lines at $\lambda 13$ and $\lambda 1355$ ", 1977BAAS...9Q.325S [ADS](#)
 Hansen, E. R., Schaffner, S. V. H., Shine, R. A., & Orrall, F. Q., "Solar Prominence Line Profiles Observed in the Ultraviolet from OSO-8.", 1977BAAS...9..314H [ADS](#)
 Gerola, H., Linsky, J. L., Shine, R., et al., "Erratum: "Evidence for a corona of Beta Geminorum" [Astrophys. J., Lett., Vol. 193, p. L107 - L110 (1974).]", 1977ApJ...218L..32G [ADS](#)
 Lites, B. W., Bruner, E. C., J., Chipman, E. G., et al., "Preliminary results from the Orbiting Solar Observatory 8: persistent velocity fields in the chromosphere and transition region.", 1976ApJ...210L.111L [ADS](#)
 Shine, R. A., Roussel-Dupree, D., Bruner, E. C., J., et al., "Preliminary results from the Orbiting Solar Observatory 8: observations of optically thin lines.", 1976ApJ...210L.107S [ADS](#)
 Chipman, E. G., Bruner, E. C., J., Shine, R. A., et al., "Preliminary results from the Orbiting Solar Observatory 8: velocities in the solar chromosphere observed in the Si II lambda 1816 line.", 1976ApJ...210L.103C [ADS](#)
 Bruner, E. C., J., Chipman, E. G., Lites, B. W., et al., "Preliminary results from the Orbiting Solar Observatory 8: transition-zone dynamics over a sunspot.", 1976ApJ...210L..97B [ADS](#)
 Lites, B. W. & Shine, R. A., "Analysis of OSO-8 Measurements of the Center-to-Limb Behavior of Solar CII Line Profiles.", 1976BAAS...8..501L [ADS](#)
 Mihalas, D., Shine, R. A., Kunasz, P. B., & Hummer, D. G., "Resonance-line transfer with partial redistribution. VIII. Solution in the comoving frame for moving atmospheres.", 1976ApJ...205..492M [ADS](#)
 Lites, B. W., Hansen, E. R., Shine, R. A., et al., "Repetitive Brightenings in Active Region Transition Zone Lines as Observed with OSO-8", 1976BAAS...8Q.331L [ADS](#)
 Bruner, E. C., J., Chipman, E. G., Shine, R. A., et al., "Periodic Fluctuations in the Solar Transition Zone", 1976BAAS...8Q.313B [ADS](#)
 Shine, R. A., Lites, B. W., Chipman, E. G., et al., "Model Calculations of Chromospheric Lines Observed by OSO-8", 1976BAAS...8..331S [ADS](#)
 Roussel-Dupree, D. C., Shine, R. A., Chipman, E. G., et al., "OSO-8 Observations of Mean Vertical Motions in the Solar Transition Region", 1976BAAS...8..312R [ADS](#)
 Chipman, E. G., Bruner, E. C., J., Shine, R. A., et al., "Velocities in the Solar Chromosphere Observed in the CII $\lambda 1336$ Line", 1976BAAS...8..312C [ADS](#)
 Athay, R. G., White, O. R., Bruner, E. C., J., et al., "Short Period Chromospheric Oscillations Observed with OSO-8", 1976BAAS...8..312A [ADS](#)
 November, L. J., Toomre, J., Gebbie, K. B., et al., "Supergranulation Velocity Fields Observed in the Solar Transition Region with OSO-8", 1976BAAS...8..311N [ADS](#)
 Haisch, B. M., Linsky, J. L., Weinstein, A., & Shine, R., "An Analysis of the Chromospheric O I Lines in Arcturus", 1976BAAS...8..303H [ADS](#)
 Shine, R., Gerola, H., & Linsky, J. L., "Diffusion effects on the line intensities of He I and He II in the solar transition region.", 1975ApJ...202L.101S [ADS](#)
 Shine, R. A., "The effect of intermediate-scale motions on line formation.", 1975ApJ...202..543S [ADS](#)
 Athay, R. G., Mihalas, D., & Shine, R. A., "An Archetype Hydrogen Atmosphere Problem", 1975SoPh...45..15A [ADS](#)
 Milkey, R. W., Shine, R. A., & Mihalas, D., "Resonance-line transfer with partial redistribution. VII. Angle-dependent redistribution.", 1975ApJ...202..250M [ADS](#)
 Shine, R. A., Milkey, R. W., & Mihalas, D., "Resonance line transfer with partial redistribution. VI. The Ca II K-line in solar-type stars.", 1975ApJ...201..222S [ADS](#)
 Shine, R. A., Rousell-Dupree, D., Bruner, E. C., J., et al., "OSO-8 Observations of Optically Thin Lines", 1975BAAS...7Q.552S [ADS](#)
 Lites, B. W., Bruner, E. C., J., Chipman, E. G., et al., "Persistent Velocity Fields in the Middle Chromosphere", 1975BAAS...7..522L [ADS](#)
 Chipman, E. G., Bruner, E. C., J., Shine, R. A., et al., "Velocities in the Solar Chromosphere Observed in the Si II $\lambda 1816$ Line", 1975BAAS...7..522C [ADS](#)
 Bruner, E. C., J., Chipman, E. G., Lites, B. W., et al., "High Resolution Spectroscopy From Orbiting Solar Observatory VIII: Transition Zone Dynamics Over a Sunspot", 1975BAAS...7..522B [ADS](#)
 Shine, R. A., Milkey, R. W., & Mihalas, D., "Resonance Line Transfer with Partial Redistribution. V. The Solar CA II Lines", 1975ApJ...199..724S [ADS](#)
 Milkey, R. W., Shine, R. A., & Mihalas, D., "Resonance line transfer with partial redistribution. IV. A generalized formulation for lines with common upper states.", 1975ApJ...199..718M [ADS](#)
 Milkey, R. W., Ayres, T. R., & Shine, R. A., "Resonance line transfer with partial redistribution. III. Mg II resonance lines in solar-type stars.", 1975ApJ...197..143M [ADS](#)
 Shine, R. A., Milkey, R. W., & Mihalas, D., "Calculations of Profiles for the CaII H and K Lines Including Partial Redistribution Effects", 1975BAAS...7Q.360S [ADS](#)
 Gerola, H. & Shine, R. A., "Diffusion Effects on Line Intensities in the Solar Transition Region", 1975BAAS...7..366G [ADS](#)
 Ayres, T. R., Linsky, J. L., & Shine, R. A., "Stellar Upper Photosphere Models Based on the Ca II K-wing. II. The Coherent Scattering Approximation", 1975BAAS...7..359A [ADS](#)
 Ayres, T. R., Linsky, J. L., & Shine, R. A., "A possible width-luminosity correlation of the Ca II K_1 and Mg II k_1 features.", 1975ApJ...195L.121A [ADS](#)
 Shine, R. A. & Linsky, J. L., "Physical Properties of Solar Chromospheric Plages. II: Chromospheric Plage Models", 1974SoPh...39..49S [ADS](#)
 Gerola, H., Linsky, J. L., Shine, R., et al., "Evidence for a Corona of Beta Geminorum", 1974ApJ...193L.107G [ADS](#)
 Ayers, T. R., Linsky, J. L., & Shine, R. A., "An Upper Photosphere Model for Arcturus (K2 III) Based on Partial Redistribution and the Ca II K-line Inner Wings", 1974BAAS...6..457A [ADS](#)
 Ayres, T. R., Linsky, J. L., & Shine, R. A., "Stellar Model Chromospheres. H. Procyon (F5 Iv/v)", 1974ApJ...192..93A [ADS](#)
 Shine, R. A. & Linsky, J. L., "A facular model based on the wings of the Ca ii lines", 1974SoPh...37..145S [ADS](#)
 Shine, R. A. & Gerola, H., "Physical Properties of the Chromospheric-Corona Transition Region Based on OSO-VI Data", 1974BAAS...6..346S [ADS](#)
 McClintock, W., Linsky, J., Gerola, H., et al., "Evidence for a Corona of β Geminorum with the "Copernicus" Satellite.", 1974BAAS...6..315M [ADS](#)
 Shine, R. A., "Non-LTE Line Formation in the Presence of Intermediate Scale Velocity Fields", 1974BAAS...6S.294S [ADS](#)
 Shine, R. A. & Oster, L., "Line Profiles and Turbulence Generated by Acoustic Waves in the Solar Chromosphere. II. Contours of the Ca II and Mg II K Lines", 1973AA...29..7S [ADS](#)

- Mount, G. H., Linsky, J. L., & Shine, R. A., “*One- and Multi-Component Models of the Upper Photosphere Based on Molecular Spectra. I: The Violet System of CN(0,0)*”, 1973SoPh...32...13M [ADS](#)
- Shine, R. A. & Ayres, T. R., “*Photospheric Models Based on the Wings of the Ca II Lines.*”, 1973BAAS....5..453S [ADS](#)
- Ayres, T. R., Linsky, J. L., Shine, R. A., & Chipman, E., “*A simple explanation of the Wilson-Bappu effect.*”, 1973BAAS....5..364A [ADS](#)
- Shine, R. & Oster, L., “*The Effect of Small and Large Scale Sine Waves upon Chromospheric Line Profiles*”, 1973BAAS....5T.279S [ADS](#)
- Shine, R. A.: 1973, “*Physical Properties of Solar Plages.*”, *Ph.D. thesis*, University of Colorado, Boulder 1973PhDT.....22S [ADS](#)
- Steinitz, R. & Shine, R. A., “*On the dependence of the two-level source function on its own radiation field.*”, 1973MNRAS.162..197S [ADS](#)
- Linsky, J. L., Shine, R. A., Ayres, T. R., & Praderie, F., “*Discovery of Chromospheres in Early A Stars.*”, 1973BAAS....5R...3L [ADS](#)
- Linsky, J. L., Shine, R. A., Ayres, T. R., & Praderie, F., “*Discovery of upper photospheric temperature inversions or chromospheres in early A stars.*”, 1973BAAS....5....3L [ADS](#)
- Shine, R. A. & Linsky, J. L., “*Physical Properties of Solar Chromospheric Plages. I. Line Profiles of the Ca II H, K, and Infrared Triplet Lines*”, 1972SoPh...25..357S [ADS](#)
- Shine, R. A. & Linsky, J. L., “*Photoelectric Ca II Line Profiles in Solar Plages and a Sunspot and Their Preliminary Interpretation*”, 1972BAAS....4T.391S [ADS](#)