STEREO HI – Publications (September 2015)

Analysis of publications – All publications are full papers which include STEREO/HI observations/analysis or instrumentation: To date, this includes 247 papers, and 12 PhD theses from the UK and Ireland, known to the PI group.

Year	No. Papers
2000	1
2001	1
2002	0
2003	1
2004	1
2005	4
2006	0
2007	7
2008	10
2009	35
2010	30
2011	30
2012	38
2013	36
2014	30
2015*	23
TOTAL	247

- UK and Irish author institutes include: RAL, the universities of Aberystwyth, Birmingham, Central Lancashire, Dundee, Leicester, Reading, Southampton, Imperial College, Open University, Trinity College Dublin and UCL/MSSL. Many other international universities and institutes regularly publish work exploiting the STEREO HI data, including from countries such as Austria, Belgium, Finland, France, Germany, India, Italy and the USA.

- The PhD theses from the UK and Ireland include - G. Dorrian, Aberystwyth, 2009; N. Savani, Imperial College, 2010; J. Byrne, Trinity College Dublin, 2010; D. Baker, MSSL/UCL, 2010; J. Pearson, UCLAN, 2010; A. Williams, Leicester, 2011; S. Maloney, Trinity College Dublin, 2012; K. Wraight, Open University, 2013; L. Barnard, Reading, 2013; T. Conlon, Leicester, 2013; S. Hardwick, Aberystwyth, 2015; D. Barnes, UCL, 2015*. [*Thesis submitted]

- The HI first light paper (no. 16), the HI instrument paper (no 28) and the STEREO SECCHI instrument paper (no 20) have been cited 57, 136 and 625 times, respectively.

** Including in press*

2000

1. NASA Solar Terrestrial Relations Observatory (STEREO) mission Heliospheric Imager
Socker, D.G., Howard, R.A., Korendyke, C.M., Simnett, G.M. & Webb, D.F.,
2000, Proc. SPIE Vol. 4139, 284.

2001

2. Design of the Heliospheric Imager for the STEREO mission
Defise, J.-M, Halain, J-P., Mazy, E., Rochus, P., Howard, R.A., Moses, J.D., Socker, D.G., Simnett, G.M., Webb, D.F.
2001, Proc. SPIE 4498, 63.

2003

3. Design and tests for the Heliospheric Imager of the STEREO mission

Defise, J., Halain, J., Mazy, E., Rochus, P. P., Howard, R. A., Moses, J. D., Socker, D. G., Harrison, R.A. and Simnett, G. M.
2003, in 'Innovative Telescopes and Instrumentation for Solar Astrophysics', (Eds) S.L. Keil, S.V. Avakyan, Proceedings of SPIE, Volume 4853, 12.

2004

4. Future Solar Missions
Harrison, R.A.
2004, in 'Coronal Heating', eds, R.W. Walsh, J. Ireland, D. Danesy, and B. Fleck, ESA SP-575, 13.

2005

5. The STEREO Heliospheric Imager: How to detect CMEs in the Heliosphere
Harrison, R.A., Davis, C.J. and Eyles, C.J.
2005, Adv. Space Research 36, 1512.

6. STEREO/HI – from near-Earth objects to 3D comets
Davis, C.J. and Harrison, R.A.
2005, Adv. Space Research 36, 1524.

7. Solar Encounter, Solar-B and STEREO
Harra, L.K., Culhane, J.L and Harrison, R.A. (Editors)
2005, Adv. Space Research volume 36.

8. Design and performances of the Heliospheric Imager for the STEREO mission
Mazy, E., Halain, J.-P., Defise, J.-M., Ronchain, P., Howard, R.A., Moses, J.-D., Eyles, C. and Harrison, R.
2005, Proc. SPIE 5962, 509.

2007

9. Discovery of the atomic ion tail of comet McNaught using the Heliospheric Imager on STEREO
Fulle, M., Leblanc, F., Harrison, R.A., Davis, C.J., Eyles, C.J., Halain, J.-P., Howard, R.A., Bockelee-Morvan, D., Cremonese, G. and Scarmato, T
2007, Astrophys. J. Lett. 661, L93. [Press release]

10. Magnetic coupling of the Sun-Earth system: The view from STEREO
Matthews, S.A., Culhane, J.S.
2007, Adv. Space Research 39, 1791.

11. Searching for solar clouds in interplanetary space
Harrison, R.A., Davis, C.J., Eyles, C.J., Halain, J.-P., Howard, R.A
2007, Space Research Today 168, 25.

12. First direct observation of the interaction between a comet and a Coronal Mass Ejection leading to a complete plasma tail disconnection
Vourlidas, A., Davis, C.J., Eyles, C.J., Crothers, S.R., Harrison, R.A., Howard, R.A., Moses, D.J., Socker, D.G.

2007, Astrophys. J. 668, L79. [Press release]

13. STEREO: Heliospheric Imager design, pre-flight and in-flight response comparison Halain, J.P., Mazy, E., Defise, J.M., Moses, J.D., Newmark, J.S., Korendyke, C.M., Eyles, C.J., Harrison, R.A. Davis, C.J.,
2007, Proc. SPIE 6689.

14. Design, development and performance of the STEREO SECCHI CCD Cameras
Waltham, N.R., Eyles, C.J.,
2007, Proc. SPIE 6689, 6689.

15. In-orbit verification , calibration and performance of the Heliospheric Imager on the STEREO mission
Eyles, C.J., Davis, C.J., Harrison, R.A., Waltham, N.R., Halain, J.-P., Mazy, E., Defise, J.-M., Howard, R.A., Moses, D.J., Newmark, J., Plunkett, S.
2007, Proc. SPIE 6689.

2008

16. First imaging of Coronal Mass Ejections in the heliosphere viewed from outside the Sun-Earth line
Harrison, R.A., Davis, C.J., Eyles, C.J., Bewsher, D., Crothers, S., Davies, J.A., Howard, R.A., Moses, D.J., Socker, D.G., Halain, J.-P., Defise, J.-M., Mazy, E., Rochus, P., Webb, D.F., Simnett, G.M.
2008, Solar Phys. 247, 171. [Press release]

17. SECCHI observations of the Sun's garden-hose density spiral
Sheeley, N.R., Herbst, A.D., Palatchi, C.A., Wang, Y.-M., Howard, R.A., Moses, J.D., Vourlidas, A., Newmark, J.S., Socker, D.G., Plunkett, S.P., Korendyke, C.M., Burlaga, L.F., Davila, J.M., Thompson, W.T., St Cyr, O.C., Harrison, R.A., Davis, C.J., Eyles, C.J., Halain, J.P., Wang, D., Rich, N.B., Battams, K., Esfandiari, E., Stenborg, G.
2008, Astrophys. J. 674, L109.

18. Heliospheric images of the solar wind at Earth
Sheeley, N.R., Herbst, A.D., Palatchi, C.A., Wang, Y.-M., Howard, R.A., Moses, J.D., Vourlidas, A., Newmark, J.S., Socker, D.G., Plunkett, S.P., Korendyke, C.M., Burlaga, L.F., Davila, J.M., Thompson, W.T., St Cyr, O.C., Harrison, R.A., Davis, C.J., Eyles, C.J., Halain, J.P., Wang, D., Rich, N.B., Battams, K., Esfandiari, E., Stenborg, G.
2008, Astrophys. J. 675, 853.

19. First imaging of corotating interaction regions using the STEREO spacecraft
Rouillard, A.P., Davies, J.A., Forsyth, R.J., Rees, A., Davis, C.J., Harrison, R.A., Lockwood, M., Bewsher, D., Crothers, S., Eyles, C.J., Hapgood, M.A., Perry, C.H.
2008, Geophys. Res. Lett. 35, L10110.

20. Sun Earth Connection Coronal and Heliospheric Investigations (SECCHI)
Howard,R.A., Moses, J.D., Vourlidas, A., Newmark, J.S., Socker, D.G., Plunkett, S.P., Korendyke, C.M., Cook, J. W., Hurley, A., Davila, J. M., Thompson, W. T., St Cyr, O.C., Mentzell, E., Mehalick, K., Lemen, J.R., Wuelser, J.P., Duncan, D.W., Tarbell, T.D., Wolfson, C.J., Moore, A., Harrison, R.A., Waltham, N.R., Lang, J., Davis, C.J., Eyles, C.J., Mapson-Menard, H., Simnett, G.M., Halain, J.-P., Defise, J.M., Mazy, E., Rochus, P.,

Mercier, R., Ravet, M.F., Delmotte, F., Auchere, F., Delaboudiniere, J.P., Bothmer, V., Deutsch, W., Wang, D., Rich, N., Cooper, S., Stephens, V., Maahs, G., Baugh, R., McMullin, D.
2008, Space Sci. Rev. 136, 67.

21. STEREO Space Weather and the Space Weather Beacon
Biesecker, D.A., Webb, D.F., St Cyr, O.C.,
2008, Space Sci. Rev. 136, 45.

22. Observational evidence of CMEs interacting in the inner heliosphere as inferred from MHD simulations
Lugaz, N., Manchester, W.B., Roussev, I.I., Gombosi, T.I.
2008, J. Atmosph. And Solar Terr. Phys. 70, 598.

23. The brightness of density structures at large solar elongation angles: What is being observed by STEREO/SECCHI?
Lugaz, N., Vourlidas, A., Roussev, I.I., Jacobs, C., Manchester, W.B., Cohen, O.
2008, Astrophys. J. Lett. 684, L111.

24. Simultaneous interplanetary scintillation and Heliospheric Imager observations of a coronal mass ejection,
Dorrian, G.D., Breen, A.R., Brown, D.S., Davies, J.A., Fallows, R.A., Rouillard, A.P.
2008, Geophys. Res. Lett. 35, L24104.

25. Three-dimensional reconstruction of two solar coronal mass ejections using the STEREO spacecraft
Howard, T.A. and Tappin, S.J.
2008, Solar Phys. 252, 373

2009

26. Calibrating the pointing and optical parameters of the STEREO Heliospheric Imagers
Brown, D.S., Bewsher, D., Eyles, C.J.
2009, Solar Phys. 254, 185.

27. A synoptic view of coronal mass ejection propagating through the heliosphere using the Heliospheric Imagers on the STEREO spacecraft
Davies, J.A., Harrison, R.A., Rouillard, A.P., Sheeley, N.R., Bewsher, D., Davis, C.J., Eyles, C.J., Crothers, S., Brown, D.S.,
2009, Geophys. Res. Lett, 36, L02102.

28. The Heliospheric Imagers on board the STEREO mission
Eyles, C.J., Harrison, R.A., Davis, C.J., Waltham, N.R., Shaughnessy, B.M., Mapson-Menard, H.C.A., Bewsher, D., Crothers, S.R., Davies, J.A., Rouillard, A.P., Howard, R.A., Socker, D.G., Moses, D.J., Newmark, J.S., Halain, J.-P., Defise, J.-M., Mazy, E., Rochus, P., Simnett, G.M.,
2009, Solar Phys. 254, 387.

29. Stereoscopic imaging of an Earth-impacting Solar Coronal Mass Ejection: A major milestone for the STEREO mission
Davis, C. J., Davies, J. A., Lockwood, M., Rouillard, A.P., Eyles, C. J., Harrison, R. A.,

2009, Geophys. Res. Lett. 36, L08102.

30. STEREO SECCHI and S/WAVES observations of spacecraft debris caused by micron-sized interplanetary dust impacts
St Cyr, O.C., Kaiser, M.L., Meyer-Vernet, N., Howard, R.A., Harrison, R.A., Bale, S., Thompson, W.T., Goetz, K., Wang, D., Crothers, S.,
2009, Solar Phys. 256, 475.

31. Two years of the STEREO Heliospheric Imagers – A review
Harrison, R.A., Davies, J.A., Rouillard, A.P., Davis, C.J., Eyles, C.J., Bewsher, D., Crothers, S.R., Howard, R.A., Sheeley, N.R., Vourlidas, A., Webb, D.F., Brown, D.S., Dorrian, G.
2009, Solar Phys. 256, 219.

32. Study of CME propagation in the inner heliosphere: SOHO LASCO, SMEI and STEREO HI observations of the January 2007 events
Webb, D.F., Howard, T.A., Fry, C.D., Kuchar, T.A., Odstrcil, D., Jackson, B.V., Bisi, M.M., Harrison, R.A., Morrill, J.S., Howard, R.A., Johnston, J.C.
2009, Solar Phys. 256, 239.

33. A multi-spacecraft analysis of a small scale transient entrained by solar wind streams
Rouillard, A.P., Savani, N., Davies, J.A., Lavraud, B., Forsyth, R.J., Morley, S.K., Opitz, A., Sheeley, N.R., Sauvaud, J.-A., Simunac, K.D.C., Luhmann, J.G., Galvin, A.B., Crothers, S.R., Davis, C.J., Harrison, R.A., Lockwood, M., Eyles, C.J., Bewsher, D., Brown, D.S.
2009, Solar Phys. 256, 307.

34. Coronal mass ejection: Key issues
Harrison, R.A.
2009, Proc. IAU Symp. 257, 'Universal Heliophysical Processes', eds N. Gopalswamy, D. Webb, Cambridge Univ. Press. ISSN 1743-9213, 191. *[invited review]*

35. A journey through the L4/L5 gravity wells
Harrison, R.A.
2009, Space Research Today 175, 22.

36. A solar storm observed from the Sun to Venus using the STEREO, Venus Express, and MESSENGER spacecraft
Rouillard, A.P., Davies, J.A., Forsyth, R.J., Savani, N.P., Sheeley, N.R., Thernisien, A., Zhang, T.-L., Howard, R.A., Anderson, B., Carr, C.M., Tsang, S., Lockwood, M., Davis, C.J., Harrison, R.A., Bewsher, D., Franz, M, Crothers, S.R., Eyles, C.J., Brown, D.S., Whittaker, I., Hapgood, M., Coates, A.J., Jones, G.H., Grande, M., Frahm, R.A., Winningham, J.D.
2009, J. Geophys. Res. 114, A07106.

37. Study of the 2007 April 20 CME-Comet interaction event with an MHD model
Jia, Y.D., Russell, C.T., Jian, L.K., Manchester, W.B., Cohen, O., Vourlidas, A., Hansen, K.C., Combi, M.R. and Gombosi, T.I.,
2009, Astrophys. J. 696, L56.

38. Solar-terrestrial simulation in the STEREO era: The 24-25 January 2007 eruptions
Lugaz, N., Vourlidas, A., Roussev, I.I., Morgan, H.
2009, Solar Phys. 256, 269.

39. Reconstructing the 3-D trajectories of CMEs in the inner heliosphere
Maloney, S.A., Gallagher, P.T., McAteer, R.T.J.
2009, Solar Phys. 256, 149.

40. Coronal and interplanetary structures associated with Type III bursts
Pick, M., Kerdraon, Auchere, F., Stenborg, G.
2009, Solar Phys. 256, 101.

41. The structure of streamer blobs
Sheeley, N.R., Lee, D.D.-H., Casto, K.P., Wang, Y.-M. and Rich, N.B.
2009, Astrophys. J. 694, 1471.

42. The impact of geometry on observations of CME brightness and propagation
Morrill, J.S., Howard, R.A., Vourlidas, A., Webb, D.F., Kunkel, V.
2009, Solar Phys. 259, 179.

43. Pre-CME onset fuses – Do the STEREO Heliospheric Imagers hold the clues to the CME onset process?
Harrison, R.A., Davis, C.J., Davies, J.A.
2009, Solar Phys. 259, 277.

44. Reconstructing the 3D morphology of the 17 May 2008 CME
Wood, B.E., Howard, R.A., Thernisien, A., Plunkett, S.P., Socker, D.G.
2009, Solar Phys. 259, 163.

45. Direct observation of a corotating interaction region by three spacecraft
Tappin, S.J. and Howard, T.A.
2009, Astrophys. J. 702, 862.

46 Three eyes on the Sun – multi-spacecraft studies of the corona and impacts on the heliosphere
Harrison, R.A., Luhmann, J., Fleck, B., St Cyr, C., Forsyth, R., (Editors)
2009, Annales Geophysicae 27, Special Issue

47. Deriving the radial distances of wide coronal mass ejections from elongation measurements in the heliosphere – application to CME-CME interaction
Lugaz, N., Vourlidas, A., Roussev, I.I.
2009, Annales Geophysicae 27, 3479.

48. An empirical reconstruction of the 2008 April 26 coronal mass ejection
Wood, B.E., Howard, R.A.
2009, Astrophys. J. 702, 901.

49. Comprehensive observations of a solar minimum solar coronal mass ejection with the Solar terrestrial Relations Observatory
Wood, B.E., Howard, R.A., Plunkett, S.P., Socker, D.G.

2009, Astrophys. J. 694, 707.

50. Interplanetary coronal mass ejections observed in the heliosphere: 1. Review of theory
Howard, T.A. and Tappin, S.J.
2009, Space Sci. Rev. 147, 31.

51. Interplanetary coronal mass ejections observed in the heliosphere: 2. Model and data comparison
Tappin, S.J. and Howard, T.A.
2009, Space Sci. Rev. 147, 55.

52. Signatures of interchange reconnection: STEREO, ACE and Hinode observations combined
Baker, D., Rouillard, A.P., van Driel-Gesztelyi, L., Demoulin, P., Harra, L.K., Lavraud, B., Davies, J.A., Opitz, A., Luhmann, J.G., Sauvaud, J.-A., Galvin, A.B.
2009, Annales Geophysicae 27, 3883.

53. Numerical heliospheric simulations as assisting tool for interpretation of observations by STEREO Heliospheric Imagers
Odstracil, D., Pizzo, V.J.
2009, Solar Phys. 259, 297.

54. Deriving solar transient characteristics from single spacecraft STEREO/HI elongation variations: a theoretical assessment of the technique
Williams, A.O., Davies, J.A., Milan, S.E., Rouillard, A.P., Davis, C.J., Perry, C.H., Harrison, R.A.
2009, Annales Geophysicae 27, 4359.

55. The radial width of a Coronal Mass Ejection between 0.1 and 0.4 AU estimated from the Heliospheric Imager on STEREO
Savani, N.P., Rouillard, A.P., Davies, J.A., Owens, M.J., Forsyth, R.J., Davis, C.J., Harrison, R.A.
2009, Annales Geophysicae 27, 4349.

56. SMEI direct, 3D-reconstruction sky maps and volumetric analyses, and their comparison with SOHO and STEREO observations
Jackson, B.V., Hick, P.P., Buffington, A., Bisi, M.M., Clover, J.M.
2009, Annales Geophysicae 27, 4097.

57. An analytical model probing the internal state of coronal mass ejections based on observations of their expansions and propagations
Wang, Y., Zhang, J., Shen, C.
2009, Journal Geophys. Res. 114, 10104

58. Linking Remote Imagery of a Coronal Mass Ejection to Its In Situ Signatures at 1 AU
Möstl, C., Farrugia, C.J., Temmer, M., Miklenic, C., Veronig, A.M., Galvin, A.B., Leitner, M., Biernat, H.K.
2009, Astrophysical Journal 705, L180

59. Interplanetary coronal mass ejections observed in the heliosphere: 3. Physical implications
Howard, T.A. and Tappin, S.J.
2009, Space Sci. Rev 147, 89.

60. STEREO observations of interplanetary coronal mass ejections and prominence deflection during solar minimum period
Kilpua, E. K. J.; Pomoell, J.; Vourlidas, A.; Vainio, R.; Luhmann, J.; Li, Y.; Schroeder, P.; Galvin, A. B.; Simunac, K.
2009, Ann. Geophys. 27, 4491

2010

61. Coronal mass ejections in the heliosphere
Harrison, R.A., Davis, C.J., Bewsher, D., Davies, J.A., Eyles, C.J., Crothers, S.R.
2010, Adv. Space Res. 45, 1.

62. Interplanetary Scintillation Observations of Stream Interaction Regions in the Solar Wind
Bisi, M.M., Fallows, R.A., Breen, A.R., O'Neill, I.J.
2010, Solar Physics 261, 149

63. Intermittent release of small-scale transients in the slow solar wind: I, Remote sensing observations
Rouillard, A.P., Davies, J.A., Lavraud, B., Forsyth, R.J., Savani, N.P., Bewsher, D., Brown, D., Sheeley, N.R., Davis, C.J., Harrison, R.A., Howard, R.A., Vourlidas, A., Lockwood, M., Crothers, S.R., Eyles, C.J.,
2010, J. Geophys. Res. 115, A04103

64. Intermittent release of small-scale transients in the slow solar wind: II, In-situ evidence
Rouillard, A.P., Lavraud, B., Davies, J.A., Savani, N.P., Burlaga, L.F., Forsyth, R.J., Sauvaud, J.-A., Opitz, A., Lockwood, M., Luhmann, J.G., Simunac, C., Galvin, A.B., Davis, C.J., Harrison, R.A.,
2010, J. Geophys. Res. 115, A04104

65. The Three-Dimensional Morphology of a Corotating Interaction Region in the Inner Heliosphere
Wood, B.E., Howard, R.A., Thernisien, A., Socker, D.G.
2010, Astrophysical Journal 708, L89

66. Transient Structures and Stream Interaction Regions in the SolarWind: Results from EISCAT Interplanetary Scintillation, STEREO HI and *Venus Express* ASPERA-4 Measurements
Dorrian, G.D., Breen, A.R., Davies, J.A., Rouillard, A.P., Fallows, R.A., Whittaker, I.C., Brown, D.S., Harrison, R.A., Davis, C.J., Grande, M.
2010, Solar Physics 265, 207.

67. Reconstructing the morphology of an evolving coronal mass ejection
Wood, B.E., Howard, R.A., Socker, D.G.
2010, Astrophys. J. 715, 1524

68. Coronal mass ejection propagation and expansion in three-dimensional space in the heliosphere based on STEREO/SECCHI observations
Poomvises, W., Zhang, J., Olmedo, O.
2010, Astrophys. J. Lett. 717, L59

69. White light and in situ comparison of a forming merged interaction region,
Rouillard, A.P., Lavraud, B., Sheeley, N.R., Davies, J.A., Burlaga, L.F., Savani, N.P., Jacquey, C., Forsyth, R.J.

2010, Astrophys. J., 719, 1385

70. Evolution of a coronal mass ejection and its magnetic field in interplanetary space
Kunkel, V., Chen, J.
2010, Astrophys. J. Lett 715, L80

71. Determining the azimuthal properties of coronal mass ejections from Multi-spacecraft remote-sensing observations with STEREO SECCHI
Lugaz, N., Hernandez-Charpak, J.N., Roussev, I.I., Davis, C.J., Vourlidas, A., Davies, J.A.
2010, Astrophys. J. 715, 493

72. Assessing the accuracy of CME Speed and Trajectory Estimates from STEREO Observations Through a Comparison of Independent Methods
Davis, C. J., Kennedy, J., Davies, J. A.,
2010, Solar Physics, 263, 209

73. Determination of the photometric calibration and large-scale flatfield of the STEREO Heliospheric Imagers: HI-1
Bewsher, D., Brown, D.S., Eyles, C.J., Kellett, B.J., White, G.J., Swinyard, B.M.
2010, Solar Physics, 264, 433

74. Observational evidence of a CME distortion directly attributable to a structured solar wind
Savani, N., Owens, M., Rouillard, A.P., Forsyth, R., Davies, J.A.
2010, Astrophys. J. Lett 714, L128

75. STRESS: STEREO transiting exoplanet and stellar survey
Sangaralingam, V., Stevens, I.R., Spreckley, S., Debosscher, J.
2010, Proc. IAU Symp. 264, 434

76. Geometric triangulation of imaging observations to track coronal mass ejections continuously out to 1 AU
Liu, Y., Davies, J.A., Luhmann, J.G., Bale, S.D., Lin, R.P., Vourlidas, A.
2010, Astrophys. J. Lett. 710, l82.

77. Activity in Geminid Parent (3200) Phaethon
Jewitt, David, Li, Jing
2010, A. J., 140, 1519

78. Multi-spacecraft Observations of the 2008 January 2 CME in the Inner Heliosphere
Zhao, X. H., Feng, X. S., Xiang, C. Q., Liu, Y., Li, Z., Zhang, Y., Wu, S. T.
2010, Astrophys. J. 714, 1133

79. Solar Wind Speed Inferred from Cometary Plasma Tails using Observations from STEREO HI-1
Clover, John M., Jackson, Bernard V., Buffington, Andrew, Hick, P. Paul, Bisi, Mario M.
2010, Astrophys. J. 713, 394

80. Solar Wind Drag and the Kinematics of Interplanetary Coronal Mass Ejections
Maloney, Shane A., Gallagher, Peter T.

2010, Astrophys. J. Lett., 724, L127

81. STEREO direct imaging of a Coronal Mass Ejection-driven shock to 0.5 AU
Maloney, Shane A., Gallagher, Peter T.
2010, Astrophys. J. Lett., 736, L5

82. In-situ observations of a Co-rotating Interaction Region at Venus identified by IPS and STEREO
Whittaker, I.C., Dorrian, G.D., Breen, A., Grande, M., Barabash,S.
2010, Solar Physics 265, 197

83. A Heliospheric Imager for deep space: Lessons learned from Helios, SMEI, and STEREO
Jackson, B.V., Buffington, A., Hick, P.P., Bisi, M.M., Clover, J.M.
2010, Solar Physics 265, 257

84. Examining periodic Solar-Wind density structures observed in the SECCHI *Heliospheric Imagers*
Viall, N., Spence, H.E., Vourlidas, A. , Howard, R.
2010, Solar Physics 267, 175

85. Accuracy and Limitations of Fitting and Stereoscopic Methods to Determine the Direction of Coronal Mass Ejections from Heliospheric Imagers Observations
Lugaz, N.
2010, Solar Physics 267, 411

86. Propagation of an Earth-directed coronal mass ejection in three dimensions
Byrne, J.P, Maloney, S.A., McAteer, R.T.J., Refojo, J.M., Gallagher, P.T.
2010, Nature Communications, 1, 74,

87. Tracking Streamer Blobs into the Heliosphere
Sheeley, N. R., Jr.; Rouillard, A. P.
2010, Astrophys. J. 715, 300

88. Sun to 1 AU propagation and evolution of a slow streamer-blowout coronal mass ejection
Lynch, B. J.; Li, Y.; Thernisien, A. F. R.; Robbrecht, E.; Fisher, G. H.; Luhmann, J. G.; Vourlidas, A.
2010, J. Geophys. Res. 115, A07106

89. Reconstructing Coronal Mass Ejections with Coordinated Imaging and in Situ Observations: Global Structure, Kinematics, and Implications for Space Weather Forecasting
Liu, Y.; Thernisien, A.; Luhmann, J.G.; Vourlidas, A.; Davies, J.A.; Lin, R.P.; Bale, S.D.
2010, Astrophys. J. 722, 1762

90. SMEI 3-D reconstruction of a Coronal Mass Ejection interacting with a corotating solar wind density enhancement: The 2008 April 26 CME
Jackson, B.V., Buffington, A., Hick, P.P., Clover, J.M., Bisi, M.M., Webb, D.F.
2010, Astrophys. J. 724, 829.

2011

91. Empirical Reconstruction and Numerical Modeling of the First Geoeffective Coronal Mass Ejection of Solar Cycle 24
Wood, B. E., Wu, C.-C., Howard, R. A., Socker, D. G., Rouillard, A. P.
2011, Astrophys. J., 729, 70

92. The Solar Origin of Small Interplanetary Transients
Rouillard, A. P., Sheeley, N. R., Jr., Cooper, T. J., Davies, J. A., Lavraud, B., Kilpua, E. K. J., Skoug, R. M., Steinberg, J. T., Szabo, A., Opitz, A., Sauvaud, J.-A.
2011, Astrophys. J., 734, 7

93. Solar Source and Heliospheric Consequences of the 2010 April 3 Coronal Mass Ejection: A Comprehensive View
Liu, Ying, Luhmann, Janet G., Bale, Stuart D., Lin, Robert P.
2011, Astrophys. J., 734, 84

94. Interpreting the Properties of Solar Energetic Particle Events by Using Combined Imaging and Modeling of Interplanetary Shocks
Rouillard, A. P., Odstrcil, D., Sheeley, N. R., Tylka, A., Vourlidas, A., Mason, G., Wu, C.-C., Savani, N. P., Wood, B. E., Ng, C. K., Stenborg, G., Szabo, A., St. Cyr, O. C.
2011, Astrophys. J. , 735, 7

95. STEREO and Wind observations of a fast ICME flank triggering a prolonged geomagnetic storm on 5-7 April 2010
Möstl, C., Temmer, M., Rollett, T., Farrugia, C. J., Liu, Y., Veronig, A. M., Leitner, M., Galvin, A. B., Biernat, H. K.
2011, Geophys. Res. Lett. 37, L24103.

96. Relating white light and in situ observations of coronal mass ejections: A review
Rouillard, A. P.
2011, J. Atmos. Solar Terr. Phys. 73, 1201

97. Forward modelling to determine the observational signatures of white-light imaging and interplanetary scintillation for the propagation of an interplanetary shock in the ecliptic plane
Ming, X., Breen, A.R., Bisi, M.M., Owens, M.J., Fallows, R.A., Dorrian, G.D., Davies, J.A., Thomasson, P.
2011, J. Atmos. Solar Terr. Phys. 73, 1270

98. Straylight-rejection performance of the STEREO HI instruments
Halain, J.-P., Eyles, C.J., Mazzoli, A., Bewsher, D. Davies, J.A., Mazy, E., Rochus, P., Defise, J.M., Davis, C.J., Harrison, R.A., Crothers, S.R., Brown, D.S., Korendyke, C., Moses, J.D., Socker, D.G., Howard, R.A., Newmark, J.S.
2011, Solar Physics 271, 197

99. A comparison of space weather analysis techniques used to predict the arrival of the Earth-directed CME and its shockwave launched on 8 April 2010
Davis, C. J., de Koning, C. A., Davies, J. A., Biesecker, D., Millward, G., Dryer, M., Deehr, C., Webb, D. F., Schenk, K., Freeland, S. L., Möstl, C., Farrugia, C. J., Odstrcil, D.
2011, Space Weather, 9, S01005

100. Long-range magnetic couplings between solar flares and coronal mass ejections observed by SDO and STEREO
Schrijver, C.J., Title, A.M.
2011, J. Geophys. Res. 116, A04108

101. Determining CME parameters by fitting heliospheric observations: Numerical investigation of the accuracy of the methods
Lugaz, N., Roussev, I.I., Gombosi, T.I.
2011, Adv. Space Res. 48, 292.

102. Arrival time calculation for interplanetary coronal mass ejections with circular fronts and application to STEREO observations of the 2009 february eruption
Möstl, C., Rollett, T., Lugaz, N., Farrugia, C. J., Davies, J. A., Temmer, M., Veronig, A. M., Harrison, R., Crothers, S., Luhmann, J. G., Galvin, A. B., Zhang, T. L., Baumjohann, W., Biernat, H. K.
2011, Astrophys. J., 741, 34

103. STEREO observations of stars and the search for exoplanets
Wraight, K. T., White, Glenn J., Bewsher, D., Norton, A. J
2011, Mon. Not. Roy. Astron. Soc. 416, 2477

104. STRESS - STEREO TRansiting Exoplanet and Stellar Survey - I : Introduction and Data Pipeline
Sangaralingam, V., Stevens, I.R.
2011, Mon. Not. Roy. Astron. Soc. 418, 1325.

105. Global three-dimensional simulation of the interplanetary evolution of the observed geoeffective coronal mass ejection during the epoch 1-4 August 2010
Wu, Chin-Chun; Dryer, Murray; Wu, S. T.; Wood, Brian E.; Fry, Craig D.; Liou, Kan; Plunkett, Simon
2011, J. Geophys. Res. 11612103

106. Testing the black hole no-hair theorem with OJ287
Valtonen, M.J., Mikkola, S., Lehto, H.J., Gopakumar, A., Hudec, R., Polednikova, J.,
2011, Astrophys. J. 742, 22

107. Coronal Dimmings and the Early Phase of a CME Observed with STEREO and Hinode/EIS
Miklenic, C.; Veronig, A. M.; Temmer, M.; Möstl, C.; Biernat, H. K.
2011, Solar Phys. 273, 125

108. Observations of Detailed Structure in the Solar Wind at 1 AU with STEREO/HI-2
DeForest, C., Howard, T., Tappin, J.
2011, Astrophys. J. 738, 103.

109. Tracking corotating interaction regions from the Sun through to the orbit of Mars using ACE, MEX, VEX, and STEREO
Williams, A. O.; Edberg, N. J. T.; Milan, S. E.; Lester, M.; Fränz, M.; Davies, J. A.
2011, J. Geophys. Res. 11608103

110. Pre-discovery Observations of Disrupting Asteroid P/2010 A2
Jewitt, David; Stuart, Joseph S.; Li, Jing

2011, Astrophys. J. 735, 7

111. Three-dimensional reconstruction of coronal mass ejections using heliospheric imager data
Howard, T.A.
2011, J. Atmosph. Sol. Terr. Phys. 73, 1242

112. Three-dimensional reconstruction of heliospheric structure using iterative tomography: A review
Jackson, B. V.; Hick, P. P.; Buffington, A.; Bisi, M. M.; Clover, J. M.; Tokumaru, M.; Kojima, M.; Fujiki, K.
2011, J. Atmosph. Sol. Terr. Phys. 73, 1214

113. Evolution of Coronal Mass Ejection Morphology with Increasing Heliocentric Distance. II. In Situ Observations
Savani, N. P.; Owens, M. J.; Rouillard, A. P.; Forsyth, R. J.; Kusano, K.; Shiota, D.; Kataoka, R.; Jian, L.; Bothmer, V.
2011, Astrophys. J. 732, 117

114. Evolution of Coronal Mass Ejection Morphology with Increasing Heliocentric Distance. I. Geometrical Analysis
Savani, N. P.; Owens, M. J.; Rouillard, A. P.; Forsyth, R. J.; Kusano, K.; Shiota, D.; Kataoka, R.
2011, Astrophys. J. 731, 109

115. On three-dimensional aspects of CMEs, their source regions and interplanetary manifestations: Introduction to special issue
Srivastava, N.; Mierla, M.; Rodriguez, L.
2011, J. Atmos. Solar Terr. Phys. 73, 1077

116. Numerical modeling of interplanetary coronal mass ejections and comparison with heliospheric images
Lugaz, N.; Roussev, I. I.
2011, J. Atmos. Solar Terr. Phys. 73, 1187

117. Stereoscopic analysis of STEREO/SECCHI data for CME trajectory determination
Liewer, P. C.; Hall, J. R.; Howard, R. A.; de Jong, E. M.; Thompson, W. T.; Thernisien, A.
2011, J. Atmos. Solar Terr. Phys. 73, 1173

118. Forward modelling to determine the observational signatures of white-light imaging and interplanetary scintillation for the propagation of an interplanetary shock in the ecliptic plane Xiong, Ming; Breen, A. R.; Bisi, M. M.; Owens, M. J.; Fallows, R. A.; Dorrian, G. D.; Davies, J. A.; Thomasson, P.
2011, J. Atmosph. and Solar Terr. Phys. 73, 1270

119. Influence of the Ambient Solar Wind Flow on the Propagation Behavior of Interplanetary Coronal Mass Ejections
Temmer, M.; Rollett, T.; Möstl, C.; Veronig, A.M.; Vrsnak, B.; Odstrcil, D.
2011, Astrophys. J. 743, 101

120. STEREO direct imaging of a Coronal Mass Ejection-driven shock to 0.5 AU
Maloney, S.A., Gallagher, P.T.
2011, Astrophys. J. 736, L5

2012

121. Interactions between coronal mass ejections viewed in coordinated imaging and in situ observations
Liu, Y.D., Luhmann, J.G., Mostl, C., Martinez-Oliveros, J.C., Bale, S.D., Lin, R.P., Harrison, R.A., Temmeer, M., Webb, D.F., Odstrcil, D.
2012, Astrophys. J. Lett 746, L15

122. An analysis of the onset and propagation of the multiple coronal mass ejections of 2010 August 1
Harrison, R.A., Davies, J.A., Möstl, C., Liu, Y., Temmer, M., Bisi, M.M., Eastwood, J.P., de Koning, C.A., Nitta, N., Rollett, T., Farrugia, C.J., Forsyth, R.J., Jackson, B.V., Jensen, E.A., Kilpua, E.K.J., Odstrcil, D., Webb, D.F.
2012, Astrophys. J. 750, 45

123. A self-similar expansion model for use in solar transient propagation studies
Davies, J.A., Harrison, R.A., Perry, C.H., Möstl, C., Lugaz, N., Rollett, T., Davis, C.J., Crothers, S.R., Temmer, M., Eyles, C.J., Savani, N.P.
2012, Astrophys. J. 750, 23

124. Characteristics of kinematics of a coronal mass ejection during the 2010 August 1 CME-CME interaction event
Temmer, M., Vrsnak, B., Rollett, T., Bein, B., de Koning, C.A., Liu, Y., Bosman, E., Davies, J.A., Mostl, C.,Zic, T., Veronig, A.M., Bothmer, V., Harrison, R., Nitta, N., Bisi, M., Flor, O., Eastwood, J., Odstrcil, D., Forsyth, R.
2012, Astrophys. J. 749.

125. Observational Tracking of the 2D Structure of Coronal Mass Ejections Between the Sun and 1 AU
Savani, N. P.; Davies, J. A.; Davis, C. J.; Shiota, D.; Rouillard, A. P.; Owens, M. J.; Kusano, K.; Bothmer, V.; Bamford, S. P.; Lintott, C. J.; Smith, A.
2012, Solar Phys. 279, 517

126. Heliospheric Observations of STEREO-Directed Coronal Mass Ejections in 2008 - 2010: Lessons for Future Observations of Earth-Directed CMEs
Lugaz, N.; Kintner, P.; Möstl, C.; Jian, L. K.; Davis, C. J.; Farrugia, C. J.
2012, Solar Phys. 279, 497

127. White light observations of solar wind transients and comparison with auxiliary datasets
Howard, T.A., DeForest, C.E., Reinard, A.A.
2012, Astrophys. J. 754, 102

128. Effects of Thomson-Scattering Geometry on White-Light Imaging of an Interplanetary Shock: Synthetic Observations from Forward Magnetohydrodynamic Modelling
Xiong, Ming; Davies, J. A.; Bisi, M. M.; Owens, M. J.; Fallows, R. A.; Dorrian, G. D.
2012, Solar Phys. 285, 369

129. Connecting Coronal Mass Ejections and Magnetic Clouds: A Case Study Using an Event from 22 June 2009
Wood, B. E.; Rouillard, A. P.; Möstl, C.; Battams, K.; Savani, N. P.; Marubashi, K.; Howard, R. A.; Socker, D. G.

2012, Solar Phys. 281, 369.

130. The Thomson Surface. I. Reality and Myth
Howard, T. A.; DeForest, C. E.
2012, Astrophys. J. 752, 130

131. On the autonomous detection of coronal mass ejections in heliospheric imager data
Tappin, S. J.; Howard, T. A.; Hampson, M. M.; Thompson, R. N.; Burns, C. E.
2012, J. Geophys. Res. 11705103

132. Understanding shock dynamics in the inner heliosphere with modeling and Type II radio data: The 2010-04-03 event
Xie, H.; Odstrcil, D.; Mays, L.; St. Cyr, O. C.; Gopalswamy, N.; Cremades, H.
2012, J. Geophys. Res. 11704105

133. Predicting the arrival of high-speed solar wind streams at Earth using the STEREO Heliospheric Imagers
Davis, C. J.; Davies, J. A.; Owens, M. J.; Lockwood, M.
2012, Space Weather 1002003

134. Long-term evolution of the photometric calibration of the STEREO Heliospheric Imagers: I. HI-1
Bewsher, D., Brown, D.S., Eyles, C.J.
2012, Solar Phys. 276, 491.

135. Constraining the Kinematics of Coronal Mass Ejections in the Inner Heliosphere with In-Situ Signatures
Rollett, T.; Möstl, C.; Temmer, M.; Veronig, A. M.; Farrugia, C. J.; Biernat, H. K.
2012, Solar Phys. 276, 293.

136. The distribution of interplanetary dust between 0.96 and 1.04 au as inferred from impacts on the STEREO spacecraft observed by the heliospheric imagers
Davis, C. J., Davies, J. A., St Cyr, O. C., Campbell-Brown, M., Skelt, A., Kaiser, M., Meyer-Vernet, N., Crothers, S. R., Lintott, C., Smith, S. Bamford, S.
2012, Mon. Not. Roy. Astr. Soc. 420, 1355.

137. A photometric study of chemically peculiar stars with the STEREO satellites - I. Magnetic chemically peculiar stars
Wraight, K. T.; Fossati, L.; Netopil, M.; Paunzen, E.; Rode-Paunzen, M.; Bewsher, D.; Norton, A. J.; White, Glenn J.
2012, Mon. Not Roy. Astr. Soc. 420, 757

138. Inner Heliospheric Flux Rope Evolution via Imaging of Coronal Mass Ejections
Howard, T. A.; DeForest, C. E.
2012, Astrophys. J. 746, 64

139. The 2010 August 01 type II burst: A CME-CME interaction, and its radio and white light manifestations
Martinez-Oliveros, J.C., Raftery, C.L., Bain, H.M., Liu, Y., Krupar, V., Bale, S., Krucker, S.,

2012, Astrophys. J. 748, 66

140. Commission 49: Interplanetary Plasma and Heliosphere
Gopalswamy, N.; Mann, I.; Bougeret, J.-L.; Briand, C.; Lallement, R.; Lario, D.; Manoharan, P. K.; Shibata, K.; Webb, D. F.
2012, Transactions IAU, Volume 7, Issue T28, 95-124

141. Automatic Detection and Tracking of Coronal Mass Ejections. II. Multiscale Filtering of Coronagraph Images
Byrne, J.P.; Morgan, H.; Habbal, S. R.; Gallagher, P. T.
2012, Astrophys. J. 752, 145

142. Remote and in situ observations of an unusual Earth-directed coronal mass ejection from multiple viewpoints
Nieves-Chinchilla, T.; Colaninno, R.; Vourlidas, A.; Szabo, A.; Lepping, R. P.; Boardsen, S. A.; Anderson, B. J.; Korth, H
2012, J. Geophys. Res. 117, A06106

143. The Longitudinal Properties of a Solar Energetic Particle Event Investigated Using Modern Solar Imaging
Rouillard, A. P.; Sheeley, N. R.; Tylka, A.; Vourlidas, A.; Ng, C. K.; Rakowski, C.; Cohen, C. M. S.; Mewaldt, R. A.; Mason, G. M.; Reames, D.; Savani, N. P.; StCyr, O. C.; Szabo, A.
2012, Astrophys. J. 752, 44

144. Multi-point shock and flux rope analysis of multiple interplanetary coronal mass ejections around 2010 August 1 in the inner heliosphere
Möstl, C., C. J. Farrugia, E.K.J Kilpua, L. Jian, Y. Liu, J.P Eastwood, R. Harrison, D. F. Webb, M. Temmer, D. Odstrcil, J.A. Davies, T. Rollett, J.G. Luhmann, N. Nitta, T. Mulligan, E.A. Jensen, R. Forsyth, B. Lavraud, C. A. de Koning, A. M. Veronig, A. B. Galvin, T.L. Zhang, B.J. Anderson,
2012, Astrophys. J. 758, 1, 2012

145. Bright low mass eclipsing binary candidates observed by STEREO
Wraight, K. T.; Fossati, L.; White, Glenn J.; et al.
2012, Mon. Not. Roy. Astr. Soc. 427, 3, 2298.

146. The deflection of the two interacting coronal mass ejections of 2010 May 23-24 as revealed by combined in situ measurements and heliospheric imaging
Lugaz, N.; Farrugia, C. J.; Davies, J. A.; et al.
2012, Astrophys. J. 759, 68

147. A Coronal Hole's Effects on CME Shock Morphology in the Inner Heliosphere
Wood, B. E.; Wu, C.-C.; Rouillard, A. P.; Howard, R. A.; Socker, D. G.
2012, Astrophys. J. 755, 43.

148. New Binary and Exoplanet Candidates from STEREO Light Curves
Whittaker, Gemma; Sangaralingam, Vino; Stevens, Ian
2012, IAU Symposium Proceedings Series, 'From interacting binaries to exoplanets: essential modeling tools', 282 Pages: 143

149. STEREO observations of long period variables
Wraight, K. T.; Bewsher, D.; White, Glenn J.; Nowotny, W.; Norton, A. J.; Paladini, C.
2012, Mon. Not. Roy Astr. Soc. 426, 2, 816.

150. Three-Dimensional Properties of Coronal Mass Ejections from STEREO/SECCHI Observations
Bosman, E.; Bothmer, V.; Nistico, G.; Vourlidas, A., Howard, R.A., Davies, J.A.
2012, Solar Phys. 281, 167.

151. Multispacecraft observation of magnetic cloud erosion by magnetic reconnection during propagation
Ruffenach, A.; Lavraud, B.; Owens, M. J.; et al.
2012, J. Geophys. Res. 117, A09101

152. Comet C/2011 W3 (Lovejoy): Orbit Determination, Outbursts, Disintegration of Nucleus, Dust-Tail Morphology, and Relationship to New Cluster of Bright Sungrazers
Sekanina, Z.; Chodas, P. W.
2012, Astrophys. J. 757, 127.

153. Connecting Coronal Mass Ejections and Magnetic Clouds: A Case Study Using an Event from 22 June 2009
Wood, B. E.; Rouillard, A. P.; Moestl, C.; et al.
2012, Solar Phys. 281, 369

154. Super-elastic collision of large-scale magnetized plasmoids in the heliosphere
Shen, C.L., Wang, Y.M., Wang, S., Liu, Y., Liu, R., Vourlidas, A., Miao, B., Ye, P.Z., Liu, J.J., Zhou, Z.J.
2012, Nature Physics 8, 923

155. Coronal Mass Ejections: Observations
Webb, D.F., Howard, T.A.
2012, Living Re. Solar Phys. 9,3.

156. Determination of the heliospheric radial magnetic field from the standoff distance of a cme-driven shock observed by the stereo spacecraft
Poomvises, W., Gopalswamy, N. Yashiro, S. et al.
2012, Astrophys. J. 758, 118.

157. The deflection of the two interacting coronal mass ejections of 2010 May 23-24 as revealed by combined in-situ measurements and heliospheric imaging
Lugaz, N., Farrugia, C.J., Davies, J.A., Mostl, C., Davis, C.J., Roussev, I.I., Temmer, M.,
2012, Astrophys. J. 759, 68

158. A study of the heliocentric dependence of shock standoff distance and geometry using 2.5D magnetohydrodynamic simulations of coronal mass ejection driven shocks
Savani, N.P., Shiota, D., Kusano, K., Vourlidas, A., Lugaz, N.
2012, Astrophys. J. 759, 103

2013

159. Speeds and Arrival Times of Solar Transients Approximated by Self-similar Expanding Circular Fronts
Mostl, C. and Davies, J.A.
2013, Solar Phys. 285, 411

160. A photometric study of chemically peculiar stars with the STEREO satellites - II. Non-magnetic chemically peculiar stars
Paunzen, E.; Wraight, K. T.; Fossati, L.; Netopil, M.; White, G.J.; Bewsher, D.
2013, MNRAS, 429, 119

161. A search for Vulcanoids with the STEREO Heliospheric Imager
Steffl, A. J.; Cunningham, N. J.; Shinn, A. B.; Durda, D. D.; Stern, S. A.
2013, Icarus, 223, 48.

162. Observations and modelling of the inner heliosphere: Preface and tribute to the late Dr Andy Breen
Bisi, M.M., Harrison, R.A., Lugaz, N., van Driel-Gesztelyi, Mandrini, C.H. (eds)
2013, Solar Phys. 285, 1.

163. Observations of Rapid Velocity Variations in the Slow Solar Wind
Hardwick, S.A., Bisi, M.M., Davies, J.A., Breen, A.R., Fallows, R.A. Harrison, R.A.,. Davis, C.J.
2013, Solar Phys. 285, 111.

164. Effect of solar wind drag on the determination of the properties of coronal mass ejections from heliospheric images
Lugaz, N., Kintner, P.
2013, Solar Phys. 285, 281.

165. Propagation of interplanetary coronal mass ejections: The drag-based model
Vrsnak, B., Zic, T., Vrbanec, D., Temmer, M., Rollett, T., Mostl, C., Veronig, A., Calogovic, J., Dumbovic, M., Lulic, S., Moon, Y.-J., Shanmugaraju, A.
2013, Solar Phys. 285, 295.

166. Heliospheric Imaging of 3-D Density Structures during the Multiple Coronal Mass Ejections of Late July to Early August 2010
Webb, D.F., Möstl, C., Jackson, B.V., Bisi, M.M., Howard, T.A., Mulligan, T., Jensen, E.A., Jian, L.K., Davies, J.A., de Koning, C.A., Liu, Y., Temmer, M., Clover, J.M., Farrugia, C.J., Harrison, R.A., Nitta, N., Odstrcil, D., Tappin, S.J., Yu, H.-S.
2013, Solar Phys. 285, 317.

167. On-orbit degradation of solar instruments
BenMoussa, A., Gissot, S., Schuehle, U., Del Zanna, G., Auchere, F., Mekaoui, S., ., Jones, A.R., Walton, D., Eyles, C.J., ., Thuillier, G., Seaton, D., Dammasch, I.E., Cessateur, G., Meftah, M., Andretta, V., Berghmans, D., Bewsher, D., Bolsee, D., Bradley, L., Brown, D.S., Chamberlin, P.C., Dewitte, S., Didkovsky, L.V., Dominique, M., Eparvier, F.G., Foujols, T., Gillotay, D., Giordanengo, B., Halain, J.P., Hock, R.A., Irbah, A., Jeppesen, Judge, D.L., Kretzschmar, M., McMullin, D.R., Nicula, B., Schmutz, W., Ucker, G., Wieman, S., Woodraska, D., Woods, T.N.
2013, Solar Phys. 288, 389.

168. Estimating the arrival time of Earth-directed coronal mass ejections at in situ spacecraft using COR and HI observations from STEREO
Mishra, W.; Srivastava, N.
2013, Astrophys. J. 772, 70

169. STEREO trend removal pipeline and planet detection possibilities
Whittaker, G. N.; Stevens, I. R.; Sangaralingam, V.
2013, Mon. Not. Roy. Astron. Soc. 431, 3456

170. Tracking the momentum flux of a CME and quantifying its influence on geomagnetically induced currents at Earth
Savani, N. P.; Vourlidas, A.; Pulkkinen, A.; Nieves-Chinchilla, T.; Lavraud, B.; Owens, M. J.
2013, Space Weather 11, 245

171. Solar activity and its evolution across the corona: recent advances
Zuccarello, Francesca; Balmaceda, Laura; Cessateur, Gael; Cremades, Hebe; Guglielmino, Salvatore L.; Lilensten, Jean; Dudok de Wit, Thierry; Kretzschmar, Matthieu; Lopez, Fernando M.; Mierla, Marilena; Parenti, Susanna; Pomoell, Jens; Romano, Paolo; Rodriguez, Luciano; Srivastava, Nandita; Vainio, Rami; West, Matt; Zuccarello, Francesco P.
2013, Journal of Space Weather and Space Climate, Volume 3, A18

172. The dust tail of asteroid (3200) Phaethon
Jewitt, D., Li, J., Agarwal, J.
2013, Astrophys. J. Lett 771, L36.

173. Effects of Thomson-Scattering Geometry on White-Light Imaging of an Interplanetary Shock: Synthetic Observations from Forward Magnetohydrodynamic Modelling
Xiong, M., Davies, J.A., Bisi, M.M., Owens, M.J., Fallows, R.A., Dorrian, G.D.
2013, Solar Phys. 285, 369.

174. Recurrent perihelion activity in (3200) phaethon
Li, J., Jewitt, D.
2013, Astron. J. 145, 154.

175. On Sun-to-Earth propagation of coronal mass ejections
Liu, Y.D., Luhmann, J.G., Lugaz, N., Mostl, C., Davies, J.A., Bale, S.D., Lin, R.P.
2013, Astrophys. J. 769, 45.

176. Connecting the Sun's High-Resolution Magnetic Carpet to the Turbulent Heliosphere
Cranmer, S. R.; van Ballegooijen, A. A.; Woolsey, L. N.
2013, Astrophys. J. 767, 125.

177. Assessing the Constrained Harmonic Mean Method for Deriving the Kinematics of ICMEs with a Numerical Simulation,
Rollett, T., Temmer, M., Mostl, C., Lugaz, N., Veronig, A.M., Mostl, U.V.
2013, Solar Phys. 283, 541.

178. Analysis of CME events in 2010 combined with in-situ and STEREO/HI observations

Wang, J.J., Luo, B.X., Liu, S.Q., Gong, J.C.
2013, Chinese J. Geophys. 56, 746.

179. Using coordinated observations in polarised white light and Faraday rotation to probe the position, mass and magnetic field of an interplanetary shock
Xiong, M., Davies, J.A., Feng, X., Owens, M.J., Harrison, R.A., Davis, C.J.
2013, Astrophys. J. 777, 32.

180. Establishing a stereoscopic technique for determining the kinematic properties of solar wind transients based on a generalised self-similarity expanding circular geometry
Davies, J.A., Perry, C.H., Trines, R.M.G.M., Harrison, R.A., Lugaz, N., Mostl, C., Liu, Y.D., Steed, K.
2013, Astrophys. J. 777, 167.

181. Inner Heliospheric Evolution of a "Stealth" CME Derived from Multi-view Imaging and Multipoint in Situ observations. I. Propagation to 1 AU
Nieves-Chinchilla, T.; Vourlidas, A.; Stenborg, G.; Savani, N. P.; Koval, A.; Szabo, A.; Jian, L. K.
2013, Astrophys. J. 779, 55.

182. Estimating arrival time of 10 October 2010 CME using STEREO/SECCHI and in-situ observations
Mishra, W.; Srivastava, N.
2013, ASI Conference Series 10, 127.

183. Using an Ellipsoid Model to Track and Predict the Evolution and Propagation of Coronal Mass Ejections
Schreiner, S.; Cattell, C.; Kersten, K.; Hupach, A.
2013, Solar Phys. 288, 291.

184. Understanding shock dynamics in the inner heliosphere with modeling and type II radio data: A statistical study
Xie, H.; St. Cyr, O. C.; Gopalswamy, N.; Odstrcil, D.; Cremades, H.
2013, J. Geophys. Res. 118, 4711.

185. Mars ionospheric response to solar wind variability
Opgenoorth, H. J.; Andrews, D. J.; Fränz, M.; Lester, M.; Edberg, N. J. T.; Morgan, D.; Duru, F.; Witasse, O.; Williams, A. O.
2013, J. Geophys. Res. 118, 6558.

186. Imaging of a Circumsolar Dust Ring Near the Orbit of Venus
Jones, M. H.; Bewsher, D.; Brown, D. S.
2013, Science 342, 960.

187. Observations of Comet P/2003 T12 = 2012 A3 (SOHO) at large phase angle in STEREO-B
Hui, M.-T.
2013, Mon. Not. Roy. Astron. Soc. 436, 1564.

188. The Thomson surface II. Polarization
DeForest, C.E., Howard, T.A., Tappin, S.J.
2013, Astrophys. J. 765, 44.

189. The height evolution of the 'true' coronal mass ejection derived from STEREO COR1 and COR2 observations
Bein, B.M., Temmer, M., Vourlidas, A., Veronig, A.M., Utz, D.
2013, Astrophys. J. 768, 31

190. The solar and heliospheric imager (SoloHI) instrument for the solar orbiter mission
Howard, R.A., Vourlidas, A., Korendyke, C.M., Plunkett, S.P., Carter, M.T., Wang, D., Rich, N., McMullin, D.R., Lynch, S., Thurn, A., Clifford, G., Socker, D.G., Thernisien, A.F., Chua, D., Linton, M.G., Keller, D., Janesick, J.R., Tower, J., Grygon, M., Hagood, R., Bast, W., Liewer, P.C., DeJong, E.M., Velli, M.M.C., Mikic, Z., Bothmer, V., Rochus, P., Halain, J.-P., Lamy, P.L.
2013, Proc. of the SPIE vol. 8862, 13.

191. The interaction of two coronal mass ejections: Influence of relative orientation
Lugaz, N., Farrugia, C.J., Manchester, W.B., Schwadron, N.
2013, Astrophys. J. 778, 20.

192. The Solar Mass Ejection Imager and Its Heliospheric Imaging Legacy
Howard, T. A.; Bisi, M. M.; Buffington, A.; Clover, J. M.; Cooke, M. P.; Eyles, C. J.; Hick, P. P.; Holladay, P. E.; Jackson, B. V.; Johnston, J. C.; Kahler, S. W.; Kuchar, T. A.; Mizuno, D. R.; Penny, A. J.; Price, S. D.; Radick, R. R.; Simnett, G. M.; Tappin, S. J.; Waltham, N. R.; Webb, D. F.
2013, Space Sci. Rev. 180, 1.

193. Tracking Coronal Features from the Low Corona to Earth: A Quantitative Analysis of the 2008 December 12 Coronal Mass Ejection
DeForest, C. E.; Howard, T. A.; McComas, D. J.
2013, The Astrophysical Journal 769, 43

194. Mars ionospheric response to solar wind variability.
Opgenoorth, H. J.; Andrews, D. J.; Frl̀_nz, M.; Lester, M.; Edberg, N. J. T.; Morgan, D.; Duru, F.; Witasse, O.; Williams, A. O.
2013, J. Geophys. Res. (Space Physics) 118, 6558

2014

195. Simulated (STEREO) Views of the Solar Wind Disturbances Following the Coronal Mass Ejections of 1 August 2010
Zhang, Y.; Du, A. M.; Feng, X. S.; Sun, W.; Liu, Y. D.; Fry, C. D.; Deehr, C. S.; Dryer, M.; Zieger, B.; Xie, Y. Q.
2014, Solar Phys. 289, 319.

196. Kinematics of Interacting ICMEs and Related Forbush Decrease: Case Study
Maricic, D.; Vrsnak, B.; Dumbovic, M.; Zic, T.; Rosa, D.; Hrzina, D.; Lulic, S.; Romstajn, I.; Busic, I.; Salamon, K.; Temmer, M.; Rollett, T.; Veronig, A.; Bostanjyan, N.; Chilingarian, A.; Mailyan, B.; Arakelyan, K.; Hovhannisyan, A.; Mujic, N.
2014, Solar Phys. 289, 351.

197. Preliminary Analysis of SOHO/STEREO Observations of Sungrazing Comet ISON (C/2012 S1) around Perihelion

Knight, M.M.; Battams, K.
2014, Astrophys. J. Lett. 782, L37.
198. Quantitative comparison of methods for predicting the arrival of coronal mass ejections at Earth based on multiview imaging
Colaninno, R. C.; Vourlidas, A.; Wu, C. C.
2014, J. Geophys. Res. 118, 6866.

199. A statistical analysis of properties of small transients in the solar wind 2007-2009: STEREO and Wind observations
Yu, W.; Farrugia, C. J.; Lugaz, N.; Galvin, A. B.; Kilpua, E. K. J.; Kucharek, H.; Möstl, C.; Leitner, M.; Torbert, R. B.; C. Simunac, K. D.; Luhmann, J. G.; Szabo, A.; Wilson, L. B.; Ogilvie, K. W.; Sauvaud, J.-A.
2014, J. Geophys. Res. 119, 689.

200. Full-halo coronal mass ejections: Arrival at the Earth
Shen, C.; Wang, Y.; Pan, Z.; Miao, B.; Ye, P.; Wang, S.
2014, J. Geophys. Res. 119, 5107.

201. Deflected propagation of a coronal mass ejection from the corona to interplanetary space
Wang, Y.; Wang, B.; Shen, C.; Shen, F.; Lugaz, N.
2014, J. Geophys. Res. 119, 5117.

202. STEREO/HI and optical observations of the classical nova V5583 Sagittarii
Holdsworth, Daniel L.; Rushton, M. T.; Bewsher, D.; Walter, F. M.; Eyres, S. P. S.; Hounsell, R.; Darnley, M. J.
2014, Mon. Not. Roy. Astron. Soc. 438, 3483.

203. A Comparison of Reconstruction Methods for the Estimation of Coronal Mass Ejections Kinematics Based on SECCHI/HI Observations
Mishra, W.; Srivastava, N.; Davies, J.A.
2014, Astrophys. J. 784, 135.

204. Combined Multipoint Remote and in situ Observations of the Asymmetric Evolution of a Fast Solar Coronal Mass Ejection
Rollett, T.; Möstl, C.; Temmer, M.; Frahm, R. A.; Davies, J. A.; Veronig, A. M.; Vrsnak, B.; Amerstorfer, U. V.; Farrugia, C. J.; Zic, T.; Zhang, T. L.Zic, T.; Zhang, T. L.
2014, Astrophys. J. Lett. 790, L6.

205. Stereoscopic Study of the Kinematic Evolution of a Coronal Mass Ejection and Its Driven Shock from the Sun to the Earth and the Prediction of Their Arrival Times
Hess, P.; Zhang, J.
2014, Astrophys. J. 792, 49.

206. Demonstrating the power of heliospheric imaging for space weather: tracking solar ejecta from Sun to Earth
Harrison, R.A.; Davies, J.A.
2014, Weather 69, 246.

207. Morphological and Kinematic Evolution of Three Interacting Coronal Mass Ejections of 2011 February 13-15

Mishra, W.; Srivastava, N.
2014, Astrophys. J. 794, 64.

208. Assessing the Effect of Spacecraft Motion on Single-Spacecraft Solar Wind Tracking Techniques
Conlon, T. M.; Milan, S. E.; Davies, J. A.
2014, Solar Phys. 289, 3935.

209. The Formation and Launch of a Coronal Mass Ejection Flux Rope: A Narrative Based on Observations
Howard, T. A.; DeForest, C. E.
2014, Astrophys. J. 796, 33.

210. An Ensemble Study of a January 2010 Coronal Mass Ejection (CME): Connecting a Non-obvious Solar Source with Its ICME/Magnetic Cloud
Webb, D. F.; Bisi, M. M.; de Koning, C. A.; Farrugia, C. J.; Jackson, B. V.; Jian, L. K.; Lugaz, N.; Marubashi, K.; Möstl, C.; Romashets, E. P.; Wood, B. E.; Yu, H.-S.
2014, Solar Phys. 289, 4173.

211. Where are the Mini Kreutz-family Comets?
Ye, Quan-Zhi; Hui, Man-To; Kracht, Rainer; Wiegert, Paul A.
2014, Astrophys. J. 796, 83.

212. The Three-dimensional Analysis of Hinode Polar Jets using Images from LASCO C2, the Stereo COR2 Coronagraphs, and SMEI
Yu, H.-S.; Jackson, B. V.; Buffington, A.; Hick, P. P.; Shimojo, M.; Sako, N.
2014, Astrophys. J. 784, 166

213. The Solar Stormwatch CME catalogue: Results from the first space weather citizen science project,
Barnard, L., Scott, C., Owens, M., Lockwood, M., Tucker-Hood, K., Thomas, S., Crothers, S., Davies, J. A., Harrison, R., Lintott, C., Simpson, R., O'Donnell, J., Smith, A.M., Waterson, N., Bamford, S., Romeo, F., Kukula, M., Owens, B., Savani, N., Wilkinson, J., Baeten, E., Poeffel L., Harder, B.
2014, Space Weather 12, 657

214. Connecting speeds, directions and arrival times of 22 coronal mass ejections from the Sun to 1 AU
Mostl, C., Amla, K., Hall, J.R., Liewer, P.C., De Jong, E.M., Colaninno, R.C., Veronig, A.M., Rollett, T., Temmer, M., Peinhart, V., Davies, J.A., Lugaz, N., Liu, Y.D., Farrugia, C.J., Luhmann, J.G., Vrsnak, B., Harrison, R.A., Galvin, A.B.
2014, Astrophys. J. 787, 119

215. Using a 3-D MHD simulation to interpret propagation and evolution of a coronal mass ejection observed by multiple spacecraft: The 3 April 2010 event
Zhou, Y., Feng, X., Zhao, X.
2014, J. Geophys. Res. – Space Phys. 119

216. Propagation of the 2012 March Coronal Mass Ejections from the Sun to Heliopause.
Liu, Y. D.; Richardson, J. D.; Wang, C.; Luhmann, J. G.:
2014, Astrophysical J. 788, LL28.

217. Sun-to-Earth Characteristics of Two Coronal Mass Ejections Interacting Near 1 AU: Formation of a Complex Ejecta and Generation of a Two-step Geomagnetic Storm.
Liu, Y. D.; Yang, Z.; Wang, R.; Luhmann, J. G.; Richardson, J. D.; Lugaz, N.
2014, Astrophysical J. 793, LL41

218. Complex Evolution of Coronal Mass Ejections in the Inner Heliosphere as Revealed by Numerical Simulations and STEREO Observations: A Review.
Lugaz, N.; Farrugia, C. J.; Al-Haddad, N.
2014, IAU Symposium 300, 255

219. Using a 3-D MHD simulation to interpret propagation and evolution of a coronal mass ejection observed by multiple spacecraft: The 3 April 2010 event
Zhou, Y., Feng, X., Zhao, X.
2014, J. Geophys. Res. (Space Physics) 119, 9321

220. Evolution of the 12 July 2012 CME from the Sun to the Earth: Data-constrained three-dimensional MHD simulations.
Shen, F.; Shen, C.; Zhang, J.; Hess, P.; Wang, Y.; Feng, X.; Cheng, H.; Yang, Y.
2014, J. Geophys. Res. (Space Physics) 119, 7128

221. Asymmetry in the CME-CME Interaction Process for the Events from 2011 February 14-15.
Temmer, M.; Veronig, A. M.; Peinhart, V.; Vrsnak, B.
2014, Astrophysical Journal 785, 85.

222. Deflected propagation of a coronal mass ejection from the corona to interplanetary space.
Wang, Y.; Wang, B.; Shen, C.; Shen, F.; Lugaz, N.
2014, J. Geophys. Res. (Space Physics) 119, 5117

223. Simulated (STEREO) Views of the Solar Wind Disturbances Following the Coronal Mass Ejections of 1 August 2010.
Zhang, Y.; Du, A. M.; Feng, X. S.; Sun, W.; Liu, Y. D.; Fry, C. D.; Deehr, C. S.; Dryer, M.; Zieger, B.; Xie, Y. Q.
2014, Solar Phys. 289, 319

224. Determination of mass and orbital parameters of a low-mass star HD 213597B
Chaturvedi, P.; Deshpande, R.; Dixit, V.; Roy, A.; Chakraborty, A.; Mahadevan, S.; Anandarao, B. G.; Hebb, L.; Janardhan, P.
2014, Monthly Notices of the Royal Astronomical Society 442, 3737

2015 (including in press and submitted papers)

225. Eruptive Prominences and Their Impact on the Earth and Our Life
Lugaz, N.
2015, Astrophysics and Space Science Library, Vol. 415. ISBN 978-3-319-10415-7. Springer International Publishing Switzerland, p. 433

226. Eruptive Prominences and Their Association with Coronal Mass Ejections
Webb, D.F.

2015, Astrophysics and Space Science Library, Vol. 415. ISBN 978-3-319-10415-7. Springer International Publishing Switzerland, p. 411

227. Evolution and Consequences of Interacting CMEs of 2012 November 9-10 using STEREO/SECCHI and In Situ Observations
Mishra, W.; Srivastava, N.; Chakrabarty, D.
2015, Solar Phys. 290, 527

228. The first coronal mass ejection observed with the Low Frequency Array (LOFAR)
Bisi, M.M., Hardwick, S.A., Fallows, R.A., Davies, J.A., Harrison, R.A., and 79 co-authors
2015, Astrophys. J. Suppl. Ser. Submitted.

229. Coronal and heliospheric imagers for solar wind phenomena
Kevin F. Middleton, Anthony Bourdelle, Jackie A. Davies, Chris J. Eyles, Doug K. Griffin, Richard A. Harrison, Tony R. Richards, J. Kevin Rogers, S. James Tappin, Ian A. J. Tosh, Nick R. Waltham
2015, SPIE submitted July 2015

230. Differences between the CME fronts tracked by an expert, an automated algorithm and the Solar Stormwatch project.
L. Barnard, C. J. Scott, M. Owens, M. Lockwood, S. R. Crothers, J. A. Davies, R. A. Harrison,
2015, Space Weather, submitted July 2015.

231. Determination of the Photometric Calibration and Large-Scale Flat-field of the STEREO Heliospheric Imagers: II. HI-2
Tappin, S.J., Eyles, C.J., Davies, J.A.
2015, Solar Phys. 290, 2143

232. Heliospheric tracking of enhanced density structures of the 6 October 2010 CME
Mishra, W., Srivastava, N.
2015, J. of Space Weather and Space Climate 5, A20

233. Measuring an eruptive prominence at large distances from the Sun. II. Approaching 1 AU
Howard, T.A.
2015, Astrophys. J. 806, 176

234. Plasma distribution of Comet ISON (C/2012 S1) observed using the radio scintillation method
Iju, T., Abe, S., Tokumaru, M. et al.
2015, Icarus 252, 301

235. Feasibility of heliospheric imaging from near Earth
DeForest, C., Howard, T.A
2015, Astrophys. J. 804, 126

236. Strong coronal channeling and interplanetary evolution of a solar storm up to Earth and Mars
Möstl, C., Rollett, T., Frahm, R.A., Liu, Y.D., Long, D.M., Colaninno, R.C., Reiss, M.A.,Temmer, M., Farrugia, C.J., Posner, A., Dumbovic, M., Janvier, M., Demoulin, P., Boakes, P., Devos, A., Kraaikamp, E., Mays, M.L., Vrsnak, B.

2015, Nature Communications 6, 7135

237. Disappearance of comet C/2010 X1 (Enlin): Gone with a whimper, not a bang
Li, J., Jewitt, D.
2015, Astrophys. J. 149, 133

238. Analysis of a coronal mass ejection and corotating interaction region as they travel from the Sun passing Venus, Earth, Mars, and Saturn
Prise, A.J., Harra, L.K., Matthews, S.A., Arridge, C.S., Achilleos, N.
2015, J. Geophys. Res. – Space Phys. 120, 1566

239. Comparing generic models for interplanetary shocks and magnetic clouds axis configurations at 1 AU
Janvier, M., Dasso, S., Demoulin, P., Masias-Meza, J.J., Lugaz, N.
2015, J. Geophys. Res, - Space Phys. 120, 3328

240. Observations of a solar wind domain boundary extending 1 AU from the Sun
Howard, T.A., DeForest, C.E.
2015, Astrophys. J. Lett. 800, L25

241. Validation of a priori CME arrival predictions made using real-time heliospheric imager observations
Tucker-Hood, K., Scott, C., Owens, M., Jackson, D., Barnard, L., Davies, J.A., Crothers, S., Lintott, C., Simpson, R., Savani, N.P., Wilkinson, J., Harder, B., Eriksson, G.M., Baeten, E.M.L., Wah, L.L.W.
2015, Space Weather 13, 35

242. Ensemble Modeling of Successive Halo CMEs: A Case Study.
Lee, C. O., Arge, C. N., Odstrcil, D., Millward, G., Pizzo, V., Lugaz, N.:
2015, Solar Phys. 290, 1207

243. Physical parameters of eclipsing binary components, discovered by STEREO.
Belcheva, M., Markov, H., Tsvetanov, Z., Iliev, I., Stateva, I.
2015, Bulgarian Astronomical Journal 22, 28:

244. Disintegration of Comet C/2012 S1 (ISON) Shortly Before Perihelion: Evidence from Independent Data Sets.
Zdenek Sekanina, Rainer Kracht
215, Astrophys. J. in press.

245. Predicting the Arrival Time of Coronal Mass Ejections with the Graduated Cylindrical Shell and Drag Force Model
Shi, Tong; Wang, Yikang; Wan, Linfeng; Cheng, Xin; Ding, Mingde; Zhang, Jie
2015, Astrophys J. 806, 271

246. 3D Reconstruction of Interplanetary Scintillation (IPS) Remote-Sensing Data: Global Solar Wind Boundaries for Driving 3D-MHD Models
Yu, H.-S., Jackson, B. V., Hick, P. P.; Buffington, A., Odstrcil, D., Wu, C.-C., Davies, J. A., Bisi, M. M., Tokumaru, M.
2015, Solar Phys. In Press

247. Dynamics of High-Velocity Evanescent Clumps [HVECs] Emitted from Comet C/2011 L4 as Observed by STEREO
Raouafi, N.-E, Lisse, C.M, Stenborg, Jones, G.H, Schmidt, C.A.
2015, J. Geophys. Res, - Space Phys. In Press