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**Table 2. Coronal waves observed by EUVI during March 2007 –December 2009**  
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**Comparative Study of MHD Modeling of the Background Solar Wind**

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**RELATION BETWEEN THE CORONAL MASS EJECTION ACCELERATION AND THE NON-THERMAL FLARE CHARACTERISTICS**

S. Berkebile-Stoiser, A. M. Veronig, B. M. Bein, and M. Temmer  
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**Depth-dependent global properties of a sunspot observed by Hinode (SOT/SP)**

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B. Löptien, A. Lagg, M. van Noort, S. K. Solanki  
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**X-Ray Jet Dynamics in a Polar Coronal Hole Region**

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**Effect of Electron Pressure on the Grad–Shafranov Reconstruction of Interplanetary Coronal Mass Ejections**

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**Polarization properties of low frequency electromagnetic cyclotron waves associated with magnetic clouds**

G. Q. Zhao, H. Q. Feng, D. J. Wu, J. Huang

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**Kelvin--Helmholtz instability in an active region jet observed with *Hinode***

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N.-E. [Raouafi](#)  
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**CORONAL PLASMA MOTIONS NEAR FOOTPOINTS OF ACTIVE REGION LOOPS REVEALED FROM SPECTROSCOPIC OBSERVATIONS WITH *HINODE* EIS**

Hirohisa Hara,<sup>1</sup> Tetsuya Watanabe,<sup>1</sup> Louise K. Harra,<sup>2</sup> J. Leonard Culhane,<sup>2</sup> Peter R. Young,<sup>3</sup>  
John T. Mariska,<sup>4</sup> and George A. Doschek<sup>4</sup>

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**Seismology of solar spicules based on *Hinode*/SOT observations**

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+24 Jan - 14:52 UT: E-limb B9.0 LDE, large CME, coronal wave; Events  
See 25 Jan

**CORONAL JETS, MAGNETIC TOPOLOGIES, AND THE PRODUCTION OF INTERPLANETARY ELECTRON STREAMS**

C. [Li](#)<sup>1,2</sup>, S. A. Matthews<sup>1</sup>, L. van Driel-Gesztelyi<sup>1,3,4</sup>, J. Sun<sup>1</sup> and C. J. Owen  
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**Deriving the radial distances of wide coronal mass ejections from elongation measurements in the heliosphere – application to CME-CME interaction**

N. [Lugaz](#)<sup>1</sup>, A. Vourlidas<sup>2</sup>, and I. I. Roussev<sup>1</sup>  
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**Solar – Terrestrial Simulation in the STEREO Era: The 24 – 25 January 2007 Eruptions**

N. [Lugaz](#) · A. Vourlidas · I.I. Roussev · H. Morgan  
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**Study of CME Propagation in the Inner Heliosphere: SOHO LASCO, SMEI and STEREO HI Observations of the January 2007 Events**

D.F. [Webb](#) · T.A. Howard · C.D. Fry · T.A. Kuchar · D. Odstrcil · B.V. Jackson · M.M. Bisi · R.A. Harrison · J.S. Morrill · R.A. Howard · J.C. Johnston  
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## Solar-terrestrial Simulations in the STEREO Era

Lugaz, N.<sup>1</sup>; Roussev, I.<sup>1</sup>; Vourlidas, A.<sup>2</sup>  
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### AN ANALYTICAL MODEL OF INTERPLANETARY CORONAL MASS EJECTION INTERACTIONS

T. Niembro<sup>1,3</sup>, J. Cantó<sup>2</sup>, A. Lara<sup>3</sup>, and R. F. González  
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### OBSERVATIONS OF SOLAR ENERGETIC PARTICLES FROM 3He-RICH EVENTS OVER A WIDE RANGE OF HELIOGRAPHIC LONGITUDE

M. E. Wiedenbeck<sup>1</sup>, G. M. Mason<sup>2</sup>, C. M. S. Cohen<sup>3</sup>, N. V. Nitta<sup>4</sup>, R. Gómez-Herrero<sup>5,6</sup>, and D. K. Haggerty  
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### Numerical modeling of interplanetary coronal mass ejections and comparison with heliospheric images

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### Numerical Heliospheric Simulations as Assisting Tool for Interpretation of Observations by STEREO Heliospheric Imagers

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+25 Jan - 07:14 UT: E-limb C6.3 LDE, CME, coronal wave; Events

### The Solar Mass Ejection Imager and Its Heliospheric Imaging Legacy Review

T. A. Howard, M. M. Bisi, A. Buffington, J. M. Clover, M. P. Cooke, C. J. Eyles, P. P. Hick, P. E. Holladay, B. V. Jackson, J. C. Johnston, S.W. Kahler · T.A. Kuchar · D.R. Mizuno · A.J. Penny · S.D. Price · R.R. Radick · G.M. Simnett · S.J. Tappin, N.R. Waltham · D.F. Webb  
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### On the Nature and Genesis of EUV Waves: A Synthesis of Observations from SOHO, STEREO, SDO, and Hinode Review

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### Physics of post-eruptive solar arcades: Interpretation of RATAN-600 and STEREO spacecraft observations

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### Energy Release During Slow Long-Duration Flares Observed by RHESSI

U. Bak-St.e'slicka · T. Mrozek · S. Kołoma'nski  
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### **RHESSI observations of long-duration flares with long-lasting X-ray loop-top sources**

S. [Kolomański](#), T. Mrozek and U. Bał-Stęślicka  
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[Gopalswamy](#), N.; Thompson, W. T.; Davila, J. M.; Kaiser, M. L.; Yashiro, S.; M?kel?, P.; Michalek, G.; Bougeret, J.-L.; Howard, R. A.  
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N. [Lugaz](#), A. Vourlidas, · I. I. Roussev, H. Morgan  
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### **Post-Eruptive Arcade Formation in the 25 January 2007 CME/Flare Limb Event: Microwave Observations with the RATAN-600 Radio Telescope**

I.Y. [Grigoryeva](#) · V.N. Borovik · M.A. Livshits · V.E. Abramov-Maximov · L.V. Opeikina · V.M. Bogod · A.N. Korzhavin  
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### **Study of CME Propagation in the Inner Heliosphere: SOHO LASCO, SMEI and STEREO HI Observations of the January 2007 Events**

D.F. [Webb](#) · T.A. Howard · C.D. Fry · T.A. Kuchar · D. Odstrcil · B.V. Jackson · M.M. Bisi · R.A. Harrison · J.S. Morrill · R.A. Howard · J.C. Johnston  
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### **THE BRIGHTNESS OF DENSITY STRUCTURES AT LARGE SOLAR ELONGATION ANGLES: WHAT IS BEING OBSERVED BY *STEREO SECCHI*?**

N. [Lugaz](#),<sup>1</sup> A. Vourlidas,<sup>2</sup> I. I. Roussev,<sup>1</sup> C. Jacobs,<sup>3</sup> W. B. Manchester IV,<sup>4</sup> and O. Cohen<sup>4</sup>  
Astrophysical Journal, 684: L111–L114, 2008 September  
<http://www.journals.uchicago.edu/toc/apjl/2008/684/2>

We discuss features of coronal mass ejections (CMEs) that are specific to heliospheric observations at large elongation angles. Our analysis is focused on a series of two eruptions that occurred on **2007 January 24–25**, which were tracked by the Heliospheric Imagers (HIs) on board *STEREO*.

### **First Imaging of Coronal Mass Ejections in the Heliosphere Viewed from Outside the Sun – Earth Line**

Richard A. [Harrison](#) et al.  
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<http://www.springerlink.com/content/a3281715574015j4/fulltext.pdf>

### **Coronal “Wave”: a signature of the mechanism making CMEs largescale in the low corona?**

G. D. R. [Attrill](#), L. K. Harra,<sup>1</sup> L. van Driel-Gesztelyi,<sup>1,2,3</sup> P. D’emoulin<sup>2</sup> & J.-P. W. ulser<sup>4</sup>  
Astronomische Nachrichten, E- print, April 2007; [File](#)  
STEREO/EUVI

**+ 26 Jan** – 09 UT: one more E-limb eruption with a faint CME; Events  
корональная волна, как 24- и 25-ого, но более слабая.  
09–10 UT: **drifting CONT** at our spectrum

### **Evidence for Energy Supply by Active Region Spicules to the Solar Atmosphere**

S. [Zeighami](#), A. R. Ahangarzadeh Maralani, E. Tavabi, A. Ajabshirizadeh  
Solar Phys. 2016  
<http://arxiv.org/pdf/1602.03157v1.pdf>

**Emission measure distribution for diffuse regions in active regions**

Srividya **Subramanian**

EIS Nugget, Dec 2014

[http://solarb.mssl.ucl.ac.uk/SolarB/nuggets/nugget\\_2014dec.jsp](http://solarb.mssl.ucl.ac.uk/SolarB/nuggets/nugget_2014dec.jsp)

**Emission Measure Distribution for Diffuse Regions in Solar Active Regions**

Srividya **Subramanian**, Durgesh Tripathi, James A. Klimchuk, Helen E. Mason

ApJ, 2014

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**26-27 Jan**

**The Solar Mass Ejection Imager and Its Heliospheric Imaging Legacy**

**Review**

T. A. **Howard**, M. M. Bisi, A. Buffington, J. M. Clover, M. P. Cooke, C. J. Eyles, P. P. Hick, P. E. Holladay, B. V. Jackson, J. C. Johnston, S.W. Kahler · T.A. Kuchar · D.R. Mizuno · A.J. Penny · S.D. Price · R.R. Radick · G.M. Simnett · S.J. Tappin, N.R. Waltham · D.F. Webb  
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**27 Jan**

**Solar Coronal Structure: Loops, Clouds, or Both?**

Leon **Golub**<sup>1</sup>, Mahboubeh Asgari-Targhi<sup>1</sup>, Bruno Coppi<sup>2</sup>, and Bamandas Basu

2019 *Res. Notes AAS* 3 4

<http://iopscience.iop.org/article/10.3847/2515-5172/aafb75>

**29 Jan**

**SPECTROPOLARIMETRY OF C-CLASS FLARE FOOTPOINTS**

L. **Kleint**

2012 *ApJ* 748 138

**1 Feb**

**Propagating Intensity Disturbances in Fan-like Coronal Loops: Flows or Waves?**

Tongjiang **Wang**<sup>1,2</sup>, Leon Ofman<sup>1,2,3</sup>, and Joseph M. Davila<sup>2</sup>

E-print, Feb 2011; Hinode 4 meeting (2010), submitted (ASP Conference Series)

**2 Feb**

**NON-NEUTRALIZED ELECTRIC CURRENT PATTERNS IN SOLAR ACTIVE REGIONS:  
ORIGIN OF THE SHEAR-GENERATING LORENTZ FORCE**

Manolis K. **Georgoulis**<sup>1,3</sup>, Viacheslav S. Titov<sup>2</sup>, and Zoran Mikić

2012 *ApJ* 761 61

Observations of ICMEs and **ICME-like** Solar Wind Structures from 2007 – 2010 Using Near-Earth and STEREO Observations

E. K. J. **Kilpua**, L. K. Jian, Y. Li, J. G. Luhmann, C. T. Russell

*Solar Physics*, November 2012, Volume 281, Issue 1, pp 391-409, File

**5 Feb**

**On Thermal-Pulse-Driven Plasma Flows in Coronal Funnels as Observed by the Hinode/EUV Imaging Spectrometer (EIS)**

A. K. **Srivastava**, P. Konkol, K. Murawski, B. N. Dwivedi, A. Mohan

*Solar Phys.*, 2014

**On Thermal-Pulse-Driven Plasma Flows in Coronal Funnels as Observed by Hinode/EUV Imaging Spectrometer (EIS)**

A.K. **Srivastava**, P. Konkol, K. Murawski, B.N. Dwivedi, A. Mohan

Solar Phys., 2014  
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7 Feb

**Possible signature of Alfvén wave dissipation in the localized magnetic funnels of the equatorial solar corona**

Bhola N. **DWIVEDI**,\* Abhishek Kumar SRIVASTAVA, and Anita MOHAN  
Publ. Astron. Soc. Japan (2014) 66 (SP1), S13 (1–11)  
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7–12 Feb

**PHOTOSPHERIC FLUX CANCELLATION AND THE BUILD-UP OF SIGMOIDAL FLUX ROPES ON THE SUN**

A. S. Savcheva<sup>1,2</sup>, L. M. Green<sup>3</sup>, A. A. van Ballegoijen<sup>1</sup>, and E. E. DeLuca  
2012 ApJ 759 105

**FIELD TOPOLOGY ANALYSIS OF A LONG-LASTING CORONAL SIGMOID**

A. S. **Savcheva**<sup>1,2</sup>, A. A. van Ballegoijen<sup>2</sup> and E. E. DeLuca  
2012 ApJ 744 78

8 Feb

**The magnetic Rayleigh–Taylor instability in solar prominences** **Review**

Andrew **Hillier**  
[Reviews of Modern Plasma Physics](https://link.springer.com/content/pdf/10.1007%2Fs41614-017-0013-2.pdf) December 2018, 2:1  
<https://link.springer.com/content/pdf/10.1007%2Fs41614-017-0013-2.pdf>

**Observation and Simulation of Longitudinal Oscillations of an Active Region Prominence**

Qingmin **Zhang**, Pengfei Chen, Chun Xia, Rony Keppens  
E-print, April 2012

8–10 Feb

**Helical motions of fine-structure prominence threads observed by Hinode and IRIS**

Takenori J. **Okamoto**, Wei Liu, Saku Tsuneta  
ApJ 2016  
<http://arxiv.org/pdf/1608.00123v1.pdf>

9 Feb

**CHROMOSPHERIC JET AND GROWING “LOOP” OBSERVED BY *Hinode*: NEW EVIDENCE OF FAN–SPINE MAGNETIC TOPOLOGY RESULTING FROM FLUX EMERGENCE**

Wei **Liu**<sup>1,2</sup>, Thomas E. Berger<sup>1</sup>, Alan M. Title<sup>1</sup>, Theodore D. Tarbell<sup>1</sup>, and B. C. Low<sup>3</sup>  
Astrophysical Journal, 728:103 (16pp), 2011 February

**AN INTRIGUING CHROMOSPHERIC JET OBSERVED BY *Hinode*: FINE STRUCTURE KINEMATICS AND EVIDENCE OF UNWINDING TWISTS**

Wei **Liu**<sup>1,2</sup>, Thomas E. Berger<sup>1</sup>, Alan M. Title<sup>1</sup>, and Theodore D. Tarbell<sup>1</sup>  
Astrophysical Journal, 707:L37–L41, 2009 December, **File**

**GIANT CHROMOSPHERIC ANEMONE JET OBSERVED WITH *Hinode* AND COMPARISON WITH MAGNETOHYDRODYNAMIC SIMULATIONS: EVIDENCE OF PROPAGATING ALFVÉN WAVES AND MAGNETIC RECONNECTION**

N. **Nishizuka**,<sup>1</sup> M. Shimizu,<sup>2</sup> T. Nakamura,<sup>1</sup> K. Otsuji,<sup>1</sup> T. J. Okamoto,<sup>3</sup> Y. Katsukawa,<sup>3</sup> and K. Shibata<sup>1</sup>  
The Astrophysical Journal, 683: L83–L86, 2008  
<http://www.journals.uchicago.edu/toc/apjl/2008/683/1>

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**Magnetic Flux Ropes in the Solar Corona: Structure and Evolution toward Eruption** **Review**

[Rui Liu](#)

Research in Astron. Astrophys (RAA) 2020

<https://arxiv.org/pdf/2007.11363.pdf> File

**Evolution of Active Regions**

**Review**

[van Driel-Gesztelyi](#), Lidia and Green, Lucie M.

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**The Relation between Solar Eruption Topologies and Observed Flare Features I: Flare Ribbons**

A. [Savcheva](#), E. Pariat, S. McKillop, [P. McCauley](#), [E. Hanson](#), [Y. Su](#), [E. Werner](#), [E. E. DeLuca](#)

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<http://arxiv.org/pdf/1506.03452v1.pdf>

**Observations of flux rope formation prior to coronal mass ejections (invited),** **Review**

[Green](#), Lucie M., Kliem, Bernhard:

Nature of Prominences and Their Role in Space Weather, Proc. IAU Symp. 300, 209, 2014

<http://arxiv.org/pdf/1312.4388v1.pdf>

**Coronal Magnetic Reconnection Driven by CME Expansion—the 2011 June 7 Event**

L. [van Driel-Gesztelyi](#)<sup>1,2,3</sup>, D. Baker<sup>1</sup>, T. Török<sup>4</sup>, E. Pariat<sup>2</sup>, L. M. Green<sup>1</sup>, D. R. Williams<sup>1</sup>, J. Carlyle<sup>1,5</sup>, G. Valori<sup>2</sup>, P. Démoulin<sup>2</sup>, B. Kliem<sup>1,6,7</sup>, D. M. Long<sup>1</sup>, S. A. Matthews<sup>1</sup>, and J.-M. Malherb  
2014 ApJ 788 85

**SIGMOIDAL ACTIVE REGION ON THE SUN: COMPARISON OF A MAGNETOHYDRODYNAMICAL SIMULATION AND A NONLINEAR FORCE-FREE FIELD MODEL**

A. [Savcheva](#)<sup>1,2</sup>, E. Pariat<sup>3</sup>, A. van Ballegooijen<sup>1</sup>, G. Aulanier<sup>3</sup>, and E. DeLuca

2012 ApJ 750 15

**Coronal-Temperature-Diagnostic Capability of the *Hinode*/X-Ray Telescope Based on Self-Consistent Calibration**

N. [Narukage](#) · T. Sakao · R. Kano · H. Hara · M. Shimojo · T. Bando · F. Urayama · E. DeLuca · L. Golub · M. Weber · P. Grigis · J. Cirtain · S. Tsuneta

Solar Phys (2011) 269: 169–236

**FORMATION OF TORUS-UNSTABLE FLUX ROPES AND ELECTRIC CURRENTS IN ERUPTING SIGMOIDS**

G. [Aulanier](#), T. Török, P. Démoulin, E. E. DeLuca

ApJ, 708:314–333, 2010 January, File

**Non-Linear Force-Free Modeling of a Long-Lasting Coronal Sigmoid**

Antonia [Savcheva](#) and Adrian van Ballegooijen

E-print, Sept 2009

**Hinode XRT observations of a long-lasting coronal sigmoid**

David E. [McKenzie](#) and Richard C. Canfield

E-print, Jan 2008; A&A Lett.

[http://solar.physics.montana.edu/mckenzie/Pubs/McKenzie-Canfield\\_XRTSigmoid\\_final.pdf](http://solar.physics.montana.edu/mckenzie/Pubs/McKenzie-Canfield_XRTSigmoid_final.pdf)

We present in this paper analysis of the first long-lasting coronal sigmoid observed with the X-Ray Telescope (XRT) on board Hinode (Kosugi et al. 2007; Golub et al. 2007). The angular resolution and sensitivity allow an unprecedented view into the detailed makeup of this pre-eruptive structure.  
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12 Feb

### Flare-productive active regions

Review

Shin [Toriumi](#), [Haimin Wang](#)

Living Reviews in Solar Physics 2019

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### Magnetic Helicity Estimations in Models and Observations of the Solar Magnetic Field. Part III: Twist Number Method

Y. [Guo](#), E. Pariat, G. Valori, S. Anfinogentov, F. Chen, M. Georgoulis, Y. Liu, K. Moraitis, J. K. Thalmann, S. Yang

A&A 2017

[http://www.issibern.ch/teams/magnetichelicity/guoyang\\_20170326.pdf](http://www.issibern.ch/teams/magnetichelicity/guoyang_20170326.pdf)

18 Feb

### A comparison between solar plage and network properties

D. [Buehler](#), [A. Lagg](#), [M. van Noort](#), [S.K. Solanki](#)

A&A 2019

<https://arxiv.org/pdf/1908.07464.pdf>

19 Feb

### Characterising motion types of G-band bright points in the quiet Sun

Yun-Fei [Yang](#), Hui-Xue Qu, Kai-Fan Ji, Song Feng, Hui Deng, Jia-Ben Lin, Feng Wang

Research in Astron. Astrophys., 2014

<http://arxiv.org/pdf/1407.7958v1.pdf>

20 Feb

### Physics of outflows near solar active regions

D. J. [Price](#) and Y. Taroyan

Ann. Geophys., 33, 25-29, 2015

<http://www.ann-geophys.net/33/25/2015/angeo-33-25-2015.pdf>

### FLOWS AT THE EDGE OF AN ACTIVE REGION: OBSERVATION AND INTERPRETATION

C. [Boutry](#)<sup>1,2</sup>, E. Buchlin<sup>1,2</sup>, J.-C. Vial<sup>1,2</sup>, and S. Régnier

2012 ApJ 752 13

### SPECTROSCOPIC OBSERVATIONS OF CONTINUOUS OUTFLOWS AND PROPAGATING WAVES FROM NOAA 10942 WITH EXTREME ULTRAVIOLET IMAGING SPECTROMETER/HINODE

N. [Nishizuka](#)<sup>1</sup> and H. Hara

2011 ApJ 737 L43

21 Feb

### Reconfiguration of the coronal magnetic field by means of reconnection driven by photospheric magnetic flux convergence

J.-S. [He](#)<sup>1</sup>, E. Marsch<sup>1</sup>, C.-Y. Tu<sup>2</sup>, H. Tian<sup>1,2</sup> and L.-J. Guo

A&A 510, A40 (2010)

25 Feb the Moon transit

### Non-parametric PSF estimation from celestial transit solar images using blind deconvolution

Adriana [González](#)<sup>1\*</sup>, Véronique Delouille<sup>2</sup> and Laurent Jacques



J. Space Weather Space Clim., 6, A1 (2016)  
<http://www.swsc-journal.org/articles/swsc/pdf/2016/01/swsc140059.pdf>

**Feb 27 ...**

### **Comparative Study of a Sunspot at Two Different Instances of Time**

Hashem **Hamedivafa**

[Solar Physics](#) volume 295, Article number: 60 (2020)

<https://link.springer.com/content/pdf/10.1007/s11207-020-01627-x.pdf>

**28 Feb- 1 March**

### **Improved SOT (Hinode mission) high resolution solar imaging observations: 2—Photometric properties of sunspot umbral dots**

H. **Goodarzi**, S. Koutchmy, A. Adjabshirizadeh

Astrophysics and Space Science November 2016, 361:366

[http://link.springer.com/article/10.1007/s10509-016-2896-8?wt\\_mc=alerts.TOCjournals](http://link.springer.com/article/10.1007/s10509-016-2896-8?wt_mc=alerts.TOCjournals)

<http://arxiv.org/pdf/1506.08265v1.pdf>

**March- Dec 2007**

### **Observational features of equatorial coronal hole jets,**

**Nistic`o**, G., Bothmer, V., Patsourakos, S., and Zimbardo, G.:

Ann. Geophys., 28, 687-696, 2010. <http://www.ann-geophys.net/28/687/2010/>

**1 March**

### **Seismological determination of the Alfvén speed and plasma-beta in solar photospheric bright points**

Il-Hyun **Cho**, [Yong-Jae Moon](#), [Valery M. Nakariakov](#), [Dae Jung Yu](#), [Jin-Yi Lee](#), [Su-Chan Bong](#), [Rok-Soon Kim](#), [Kyung-Suk Cho](#), [Yeon-Han Kim](#), [Jae-Ok Lee](#)

ApJLett 2019

<https://arxiv.org/pdf/1901.04144.pdf>

### **Proper Motions of Sunspots' Umbral Dots at High Temporal and Spatial Resolution**

Hadis **Goodarzi**<sup>1,2</sup>, Serge Koutchmy<sup>3</sup>, and Ali Adjabshirizadeh<sup>4</sup>

2018 ApJ 860 168 DOI [10.3847/1538-4357/aac499](https://doi.org/10.3847/1538-4357/aac499)

<https://arxiv.org/pdf/1807.05531.pdf>

<http://sci-hub.tw/10.3847/1538-4357/aac499>

**2 March** 05:29UT,

### **Identifying and Tracking of Peripheral and Central Umbral Dots**

Song **Feng**, Yan Zhao, Yunfei Yang, [Kaifan Ji](#), [Hui Deng](#), [Feng Wang](#)

[Solar Physics](#) April 2015, Volume 290, [Issue 4](#), pp 1119-1133

### **THE EFFECT OF MAGNETIC RECONNECTION AND WRITHING IN A PARTIAL FILAMENT ERUPTION**

Rui **Liu**,<sup>1</sup> Holly R. Gilbert,<sup>1</sup> David Alexander,<sup>1</sup> and Yingna Su

The Astrophysical Journal, 680:1508-1515, 2008, **File**

<http://www.journals.uchicago.edu/doi/pdf/10.1086/587482>

### **Hinode Observations of the Onset Stage of a Solar Filament Eruption**

A. C. **Sterling**, R. L. Moore, T. E. Berger, M. Bobra, J. M. Davis, P. Jibben, R. Kano, L. L. Lundquist, D. Myers, N. Narukage, T. Sakao, K. Shibasaki, R. A. Shine, T. D. Tarbell, and M. Weber

*Publ. Astron. Soc. Japan* 59, pp.823-829 (2007)

[Abstract], [HTML], [[PDF\(1832kb\)](#)], [[PS.gz\(10203kb\)](#)] ([Movie1](#), [Movie2](#), [Movie3](#))

class B2.5 level on [2007 March 2 at 05:29UT](#),

We used Hinode X-Ray Telescope (XRT) and Solar Optical Telescope (SOT) filtergraph (FG) Stokes-V magnetogram observations, to study the early onset of a solar eruption that includes an erupting filament that we observe in TRACE EUV images. The filament undergoes a slow rise for at least 20min prior to its fast eruption and strong soft X-ray (SXR) flaring; such slow rises have been previously reported, and the new Hinode data elucidate the physical processes occurring during this period. XRT images show that during the slow-rise phase, an SXR sigmoid forms from apparent reconnection low in the sheared core field traced by the filament, and there is a low-level intensity peak in both EUV and SXRs during the slow rise. MDI and SOT FG Stokes-V magnetograms show that the pre-eruption filament is along a neutral line between opposing-polarity enhanced network cells, and the SOT magnetograms show that these opposing fields are flowing together and canceling for at least six hours prior to eruption. From the MDI data we measured the canceling network fields to be  $\sim 40$  G, and we estimated that  $\sim 10^{19}$  Mx of flux canceled during the five hours prior to eruption; this is only  $\sim 5\%$  of the total flux spanned by the eruption and flare, but apparently its tether-cutting cancellation was enough to destabilize the sigmoid field holding the filament and resulted in that field's eruption.

6 March, 21 March, 20 April

## **First Imaging of Coronal Mass Ejections in the Heliosphere Viewed from Outside the Sun – Earth Line**

Richard A. [Harrison](#) et al.

Solar Phys (2008) 247: 171–193, **File**

<http://www.springerlink.com/content/a3281715574015j4/fulltext.pdf>

[April 2007 until the end of June 2007.](#)

## **Three-Dimensional Reconstruction of Active Regions**

L. [Rodriguez](#) · A.N. Zhukov · S. Gissot · M. Mierla

Solar Phys (2009) 256: 41–55,

DOI 10.1007/s11207-009-9355-4

STEREO SCIENCE RESULTS AT SOLAR MINIMUM

### **9 March**

## **RATAN-600 Observations of Small Scale Structures with High Spectral Resolution**

V. M. [Bogod](#), C. E. Alissandrakis, T. I. Kaltman, S. Kh. Tokhchukova

Solar Phys., 2014

<http://arxiv.org/pdf/1403.7658v1.pdf>

### **10 March**

## **Observational evidence for two-component distributions describing solar magnetic bright points**

[G. Berrios Saavedra](#), [D. Utz](#), [S. Vargas Dominguez](#), [J. I. Campos Rozo](#), [S. J. González Manrique](#), [P. Gömöry](#), [C. Kuckein](#), [H. Balthasar](#), [P. Zelina](#)

A&A 2021

<https://arxiv.org/pdf/2110.12404.pdf>

## **Photospheric downward plasma motions in the quiet-Sun**

Carlos Quintero [Noda](#), Basilio Ruiz Cobo, David Orozco Suárez

A&A, 2014

<http://arxiv.org/pdf/1405.1561v1.pdf>

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12 March–31 May 2007

## **The Connection of Solar Wind Parameters with Radio and UV Emission from Coronal Holes**

D. V. [Prosovetzky](#) and I. N. Myagkova

Solar Physics, Volume 273, Number 2, 525-536, 2011, **File**

### **13-14 March**

## **Relative Abundance Measurements in Plumes and Interplumes**

C. **Guennou**<sup>1,2</sup>, M. Hahn<sup>1</sup>, and D. W. Savin

2015 ApJ 807 145

## **16 March**

### **TWO TYPES OF MAGNETIC RECONNECTION IN CORONAL BRIGHT POINTS AND THE CORRESPONDING MAGNETIC CONFIGURATION**

Q. M. **Zhang**, P. F. Chen<sup>1,2</sup>, Y. Guo<sup>1</sup>, C. Fang<sup>1,2</sup> and M. D. Ding

2012 ApJ 746 19

## **21 March**

### **An atlas of coronal electron density at 5Rs I: Data processing and calibration**

Huw **Morgan**

<http://arxiv.org/pdf/1509.03113.pdf>

Astrophysical Journal Supplement Series, Volume 219, Issue 2, article id. 23, 21 pp. 2015

### **Update of the Photometric Calibration of the LASCO-C2 Coronagraph Using Stars**

R. C. **Colaninno**, R. A. Howard

Solar Phys. 2015

<http://link.springer.com/article/10.1007/s11207-014-0635-2/fulltext.html>

## **31 March**

### **EUV Emission and Scattered Light Diagnostics of Equatorial Coronal Holes as Seen by Hinode/EIS**

Carolyn **Wendeln**, [Enrico Landi](#)

ApJ 2017

<https://arxiv.org/pdf/1712.03042.pdf>

## **1 Apr**

### **Possible Production of Solar Spicules by Microfilament Eruptions**

Alphonse C. **Sterling**, [Ronald L. Moore](#), [Tanmoy Samanta](#), [Vasyl Yurchyshyn](#)

ApJ 2020

<https://arxiv.org/pdf/2004.04187.pdf>

## **7 April**

### **Temperature Tomography of a Coronal Sigmoid Supporting the Gradual Formation of a Flux Rope**

Durgesh **Tripathi**<sup>1</sup>, Bernhard Kliem, Helen E. Mason<sup>1</sup>, Peter R. Young<sup>3, 5</sup>, and Lucie M. Green

E-print, April 2009, Astrophysical Journal, 698:L27–L32, 2009, **File**

## **15 apr**

### **Characteristics of polar coronal hole jets\***

K. **Chandrasekhar**<sup>1</sup>, A. Bemporad<sup>2</sup>, D. Banerjee<sup>1</sup>, G. R. Gupta<sup>3</sup> and L. Teriaca

A&A 561, A104 (2014)

## **16 Apr**

### **Intercomparison of the LASCO-C2, SECCHI-COR1, SECCHI-COR2, and Mk4 Coronagraphs**

Richard A. **Frazin**, Alberto M. Vásquez, William T. Thompson, Russell J. Hewett, Philippe Lamy, Antoine Llebaria, Angelos Vourlidas and Joan Burkepile

Solar Physics, 2012, DOI: 10.1007/s11207-012-0028-3

## **21 Apr**

**A DAILY DETERMINATION OF BZ USING THE RUSSELL-MCPHERRON EFFECT TO FORECAST GEOMAGNETIC ACTIVITY**

B.V. [Jackson](#), [H.-S. Yu](#), [A. Buffington](#), [P.P. Hick](#), [M. Tokumaru](#), [K. Fujiki](#), [J. Kim](#), [J. Yun](#)

Space Weather **2019**

[sci-hub.se/10.1029/2018SW002098](http://sci-hub.se/10.1029/2018SW002098)

**24 Apr**

**FAN-SPINE TOPOLOGY FORMATION THROUGH TWO-STEP RECONNECTION DRIVEN BY TWISTED FLUX EMERGENCE**

T. [Torok](#)<sup>1</sup>, G. Aulanier<sup>1</sup>, B. Schmieder<sup>1</sup>, K. K. Reeves<sup>2</sup>, and L. Golub<sup>2</sup>

Astrophysical Journal, 704:485–495, **2009** October

**25 Apr**

**Analysis of Flows Inside Quiescent Prominences as Captured by Hinode/Solar Optical Telescope**

M. S. [Freed](#), D. E. McKenzie, D. W. Longcope, and M. Wilburn

ApJ **2016** 818 57

<http://arxiv.org/pdf/1602.03821v1.pdf>

**Velocity vectors of a quiescent prominence observed by Hinode/SOT and the MSDP (Meudon)\***

B. [Schmieder](#)<sup>1</sup>, R. Chandra<sup>1</sup>, A. Berlicki<sup>2</sup> and P. Mein<sup>1</sup>

A&A 514, A68 (**2010**)

**Hinode, TRACE, SOHO, and Ground-based Observations of a Quiescent Prominence**

P. [Heinzl](#), B. Schmieder, F. Farnik, P. Schwartz, N. Labrosse, P. Kotrc, U. Anzer, G. Molodij, A. Berlicki, E. E. DeLuca, L. Golub, T. Watanabe, and T. Berger

The Astrophysical Journal, Vol. 686, No. 2

<http://www.journals.uchicago.edu/doi/abs/10.1086/591018>

**25 Apr-6 May**

**Apparent and Intrinsic Evolution of Active Region Upflows**

Deborah [Baker](#), Miho Janvier, Pascal Démoulin, Cristina H. Mandrini

Solar Physics April **2017**, 292:46

<http://link.springer.com/article/10.1007/s11207-017-1072-9>

**26 Apr**

**Dynamics of quiescent prominence fine structures analyzed by 2D non-LTE modelling of the H $\alpha$  line\***

S. [Gunár](#)<sup>1,2</sup>, P. Mein<sup>2</sup>, B. Schmieder<sup>2</sup>, P. Heinzel<sup>1</sup> and N. Mein

A&A 543, A93 (**2012**)

**26-27 Apr**

**A multispacecraft study of a small flux rope entrained by rolling back magnetic field lines**

Jia [Huang](#), Yong C.-M. Liu, Jun Peng, Hui Li, Berndt Klecker, Charles J. Farrugia, Wenyan Yu, Antoinette B. Galvin, Liang Zhao, Jiansen He

JGR Volume 122, Issue 7 July **2017** Pages 6927–6939

<http://sci-hub.cc/10.1002/2017JA023906>

**27 Apr - 1 May**

**Formation of a solar H $\alpha$  filament from orphan penumbrae**

D. [Buehler](#), A. Lagg, M. van Noort, S.K. Solanki

A&A **2016**

<http://arxiv.org/pdf/1603.05899v1.pdf>

**28 Apr - 9 May**

**Properties of solar plage from a spatially coupled inversion of Hinode SP data**

D. **Buehler**<sup>1</sup>, A. Lagg<sup>1</sup>, S. K. Solanki<sup>1,2</sup> and M. van Noort  
A&A 576, A27 (2015)

**The Evolution of Sunspot Magnetic Fields Associated with a Solar Flare**

Sophie A. **Murray**, D. Shaun Bloomfield and Peter T. Gallagher  
Solar Physics, Volume 277, Number 1, 45-57, 2012  
<http://arxiv.org/pdf/1105.1978v1.pdf>

**PROMINENCE FORMATION ASSOCIATED WITH AN EMERGING HELICAL FLUX ROPE**

Takenori J. **Okamoto**<sup>1</sup>, Saku Tsuneta<sup>1</sup>, Bruce W. Lites<sup>2</sup>, Masahito Kubo<sup>2</sup>, Takaaki Yokoyama<sup>3</sup>, Thomas E. Berger<sup>4</sup>, Kiyoshi Ichimoto<sup>5</sup>, Yukio Katsukawa<sup>1</sup>, Shin'ichi Nagata<sup>5</sup>, Kazunari Shibata<sup>5</sup>, Toshifumi Shimizu<sup>6</sup>, Richard A. Shine<sup>4</sup>, Yoshinori Suematsu<sup>1</sup>, Theodore D. Tarbell<sup>4</sup>, and Alan M. Title<sup>4</sup>  
The Astrophysical Journal, 697:913–922, 2009 May 20 doi:[10.1088/0004-637X/697/1/913](https://doi.org/10.1088/0004-637X/697/1/913)  
<http://www.iop.org/80/EJ/toc/-alert=43190/0004-637X/697/1>

**EMERGENCE OF A HELICAL FLUX ROPE UNDER AN ACTIVE REGION PROMINENCE**

Takenori J. **Okamoto**,<sup>1,2,3</sup> Saku Tsuneta,<sup>1</sup> Bruce W. Lites,<sup>4</sup> Masahito Kubo,<sup>4</sup> Takaaki Yokoyama,<sup>5</sup> Thomas E. Berger,<sup>6</sup> Kiyoshi Ichimoto,<sup>1</sup> Yukio Katsukawa,<sup>1</sup> Shin'ichi Nagata,<sup>2</sup> Kazunari Shibata,<sup>2</sup> Toshifumi Shimizu,<sup>7</sup> Richard A. Shine,<sup>6</sup> Yoshinori Suematsu,<sup>1</sup> Theodore D. Tarbell,<sup>6</sup> and Alan M. Title<sup>6</sup>  
The Astrophysical Journal, 673: L215–L218, 2008  
<http://www.journals.uchicago.edu/doi/pdf/10.1086/528792>

**29-30 Apr**

**The Solar Orbiter Heliospheric Imager (SoloHI)**

R. A. **Howard**<sup>1</sup>, A. Vourlidis<sup>2</sup>, R. C. Colaninno<sup>1</sup>, C. M. Korendyke<sup>1</sup>, S. P. Plunkett<sup>1</sup>, M. T. Carter<sup>1</sup>, D. Wang<sup>1</sup> ...  
A&A 2019  
<https://www.aanda.org/articles/aa/pdf/forth/aa35202-19.pdf>

**Flare Observations**

**Review**

Arnold O. Benz

[Living Reviews in Solar Physics](#) December 2017?, 14:2 File

This article is a revised version of <http://dx.doi.org/10.12942/lrsp-2008-1>.

<https://link.springer.com/content/pdf/10.1007%2Fs41116-016-0004-3.pdf>

**Evolution of Active Regions**

**Review**

van Driel-Gesztelyi, Lidia and Green, Lucie M.

Living Reviews in Solar Physics PUB.NO. IrsP-2015-1, Sept 2015

<http://solarphysics.livingreviews.org/Articles/IrsP-2015-1/>

**Properties of solar plage from a spatially coupled inversion of Hinode SP data**

D. **Buehler**, A. Lagg, S.K. Solanki, M. van Noort  
2015 A&A  
<http://arxiv.org/pdf/1501.01151v1.pdf>

**Evidence for Partial Taylor Relaxation from Changes in Magnetic Geometry and Energy during a Solar Flare**

Sophie A. **Murray**, D. Shaun Bloomfield, Peter T. Gallagher  
E-print, Dec 2012; A&A

## **Solar Stereoscopy with STEREO/EUVI A and B Spacecraft from Small (6°) to Large (170°) Spacecraft Separation Angles**

Markus J. [Aschwanden](#), Jean-Pierre Wülser, Nariaki Nitta, James Lemen  
Solar Physics, November 2012, Volume 281, Issue 1, pp 101-119

## **FIRST THREE-DIMENSIONAL RECONSTRUCTIONS OF CORONAL LOOPS WITH THE STEREO A+B SPACECRAFT. IV. MAGNETIC MODELING WITH TWISTED FORCE-FREE FIELDS**

Markus J. Aschwanden, Jean-Pierre Wuelser, Nariaki V. Nitta, James R. Lemen, Marc L. DeRosa, and Anna Malanushenko  
2012 ApJ 756 124

## **ACHIEVING SELF-CONSISTENT NONLINEAR FORCE-FREE MODELING OF SOLAR ACTIVE REGIONS**

M. S. [Wheatland](#)<sup>1</sup> and K. D. Leka  
2011 ApJ 728 112

## **A self-consistent nonlinear force-free solution for a solar active region magnetic field**

M.S. [Wheatland](#) and S. Regnier  
E-print, June 2009; ApJ

## **Hinode OBSERVATION OF THE MAGNETIC FIELDS IN A SUNSPOT LIGHT BRIDGE ACCOMPANIED BY LONG-LASTING CHROMOSPHERIC PLASMA EJECTIONS**

Toshifumi [Shimizu](#)<sup>1</sup>, Yukio Katsukawa<sup>2</sup>, Masahito Kubo<sup>3</sup>, Bruce W. Lites<sup>3</sup>, Kiyoshi Ichimoto<sup>4</sup>, Yoshinori Suematsu<sup>2</sup>, Saku Tsuneta<sup>2</sup>, Shin'ichi Nagata<sup>4</sup>, Richard A. Shine<sup>5</sup>, and Theodore D. Tarbell<sup>5</sup>  
Astrophysical Journal, 696:L66–L69, 2009 May  
<http://www.iop.org/EJ/toc/-alert=43192/1538-4357/696/1>

**30 Apr**

## **Solar Flares and Magnetic Helicity**

**Review**

[Shin Toriumi](#), [Sung-Hong Park](#)

A chapter in the AGU book "Helicities in Geophysics, Astrophysics and Beyond" 2022  
<https://arxiv.org/pdf/2204.06010.pdf>

## **No universal connection between the vertical magnetic field and the umbra-penumbral boundary in sunspots**

B. [Löptien](#), [A. Lagg](#), [M. van Noort](#), [S. K. Solanki](#)  
A&A 2020  
<https://arxiv.org/pdf/2006.02346.pdf>

## **A comparison between solar plage and network properties**

D. [Buehler](#), [A. Lagg](#), [M. van Noort](#), [S.K. Solanki](#)  
A&A 2019  
<https://arxiv.org/pdf/1908.07464.pdf>

**May – July 2007**

## **A single picture for solar coronal outflows and radio noise storms**

G. [Del Zanna](#)<sup>1</sup>, G. Aulanier<sup>2</sup>, K.-L. Klein<sup>2</sup>, and T. Török<sup>2</sup>  
E-print, Sept 2010, File; A&A 526, A137 (2011)

**1–4 May**

## **No universal connection between the vertical magnetic field and the umbra-penumbral boundary in sunspots**

B. [Löptien](#), [A. Lagg](#), [M. van Noort](#), [S. K. Solanki](#)  
A&A 2020

<https://arxiv.org/pdf/2006.02346.pdf>

**2-3 May** - >15 UT several eruptions and flares in the central AR; See Events  
**A Statistical Study on Property of Spatial Magnetic Field for Solar Active Region**

Liu Suo

Ap&ss 2014

<http://arxiv.org/pdf/1405.2149v1.pdf>

### **On twist estimation in active regions**

Cristiana **Dumitrache**, Liliana Dumitru, Valentina Banciu

*ASP Conference Series, Vol. \*, 2010*

E-print Dec 2010

### **OBSERVATIONS AND NONLINEAR FORCE-FREE FIELD MODELING OF ACTIVE REGION 10953**

Yingna **Su** et al 2009 ApJ 691 105-114

We present multiwavelength observations of a simple bipolar active region (NOAA 10953), which produced several small flares (mostly B class and one C8.5 class) and filament activations from April 30 to May 3 in 2007.

### **Field Line Shrinkage in Flares Observed by the X-Ray Telescope on Hinode**

Katharine K. **Reeves**, Daniel B. Seaton, Terry G. Forbes

E-print, Nov 2007, ApJ

The X-Ray Telescope on Hinode has observed individual loops of plasma moving downward in a manner that is consistent with field line shrinkage in the aftermath of reconnection at higher altitudes.

We measure the shrinkage in both of these events, and find that it is 17-27%, which is consistent with theoretical predictions.

5 May - 1247 UT: 1F/C4.2 flare and eruption

8 May

### **Impulsive acceleration of coronal mass ejections: I. Statistics and CME source region characteristics**

B. M. **Bein**, S. Berkebile-Stoiser, A. M. Veronig, M. Temmer, N. Muhr, I. Kienreich, D. Utz

E-print, 5 Aug, 2011; 2011 ApJ 738 191, **File**

**9 May** - 02 UT: large E CME

14 UT: large SW CME

<http://stereo.gsfc.nasa.gov/gallery/stereoimages/dancing.shtml>

### **Novel data analysis techniques in coronal seismology**

**Review**

[Sergey A. Anfinogentov](#), [Patrick Antolin](#), [Andrew R. Inglis](#), [Dmitrii Kolotkov](#), [Elena G. Kupriyanova](#), [James A. McLaughlin](#), [Giuseppe Nisticò](#), [David J. Pascoe](#), [S. Krishna Prasad](#), [Ding Yuan](#)  
2022

<https://arxiv.org/pdf/2112.13577.pdf>

### **Exploring the damping of Alfvén waves along a long off-limb coronal loop, up to 1.4 R<sub>⊙</sub>**

Girjesh R. **Gupta**, [G. Del Zanna](#), [H. E. Mason](#)

A&A 2019

<https://arxiv.org/pdf/1905.08194.pdf>

### **FIRST THREE-DIMENSIONAL RECONSTRUCTIONS OF CORONAL LOOPS WITH THE STEREO A+B SPACECRAFT. IV. MAGNETIC MODELING WITH TWISTED FORCE-FREE FIELDS**

Markus J. Aschwanden, Jean-Pierre Wuelser, Nariaki V. Nitta, James R. Lemen, Marc L. DeRosa, and Anna Malanushenko

2012 ApJ 756 124

### **On twist estimation in active regions**

Cristiana **Dumitrache**, Liliana Dumitru, Valentina Banciu  
*ASP Conference Series, Vol. \*, 2010*  
E-print Dec 2010

### **Multispacecraft observations of a prominence eruption**

A. **Bemporad**<sup>1</sup>, G. Del Zanna<sup>2</sup>, V. Andretta<sup>3</sup>, G. Poletto<sup>4</sup>, and M. Magri<sup>3</sup>  
*Ann. Geophys.*, 27, 3841-3851, 2009; **File**

### **STEREOSCOPIC RECONSTRUCTION FROM STEREO/EUV IMAGERS DATA OF THE THREE-DIMENSIONAL SHAPE AND EXPANSION OF AN ERUPTING PROMINENCE**

A. **Bemporad**  
*Astrophysical Journal*, 701:298–305, 2009; **File**

### **FIRST THREE-DIMENSIONAL RECONSTRUCTIONS OF CORONAL LOOPS WITH THE STEREO A+B SPACECRAFT. III. INSTANT STEREOSCOPIC TOMOGRAPHY OF ACTIVE REGIONS**

Markus J. **Aschwanden**, Jean-Pierre Wuelser, Nariaki V. Nitta, James R. Lemen, and Anne Sandman  
*Astrophysical Journal*, 695:12–29, 2009 April  
<http://www.iop.org/EJ/toc/-alert=43190/0004-637X/695/1>

11–14 May

### **A single picture for solar coronal outflows and radio noise storms**

G. **Del Zanna**<sup>1</sup>, G. Aulanier<sup>2</sup>, K.-L. Klein<sup>2</sup>, and T. Török<sup>2</sup>  
E-print, Sept 2010, **File**; A&A

12 May

### **Pre-Flare Flows in the Corona**

A.J. **Wallace** · L.K. Harra · L. van Driel-Gesztelyi · L.M. Green · S.A. Matthews  
*Solar Phys* (2010) 267: 361–375

13 May

### **USING A DIFFERENTIAL EMISSION MEASURE AND DENSITY MEASUREMENTS IN AN ACTIVE REGION CORE TO TEST A STEADY HEATING MODEL**

Amy R. **Winebarger**<sup>1</sup>, Joan T. Schmelz<sup>2</sup>, Harry P. Warren<sup>3</sup>, Steve H. Saar<sup>4</sup> and Vinay L. Kashyap  
2011 ApJ 740 2

### **Multi-stranded and Multi-thermal Solar Coronal Loops: Evidence from Hinode X-ray Telescope and EUV Imaging Spectrometer Data**

J. T. **Schmelz**, S. H. Saar, K. Nasraoui, V. L. Kashyap, M. A. Weber, E. E. DeLuca and L. Golub  
2010 ApJ 723 1180-1187

14 May

### **The Association of Solar Flares with Coronal Mass Ejections During the Extended Solar Minimum**

**Nitta**, N. V., Aschwanden, A. M., Freeland, S. L., Lemen, J. R., Wuelser, J.-P., Zarro, D. M.  
E-print, Aug 2013, **File**; *Solar Phys.*

15 May - 18 UT: large E CME at STEREO/COR1

см. <http://cor1.gsfc.nasa.gov/movies/>  
[http://stereo.gsfc.nasa.gov/gallery/3dimages/051507\\_195arcade.shtml](http://stereo.gsfc.nasa.gov/gallery/3dimages/051507_195arcade.shtml)



## On 3D Reconstruction of Coronal Mass Ejections:

### I. Method Description and Application to SECCHI-COR Data

M. **Mierla** · B. Inhester · C. Marqué · L. Rodriguez · S. Gissot · A.N. Zhukov · D. Berghmans · J. Davila  
Solar Phys (2009) 259: 123–141, **File**

## A Quick Method for Estimating the Propagation Direction of Coronal Mass Ejections Using STEREO-COR1 Images

M. **Mierla** · J. Davila · W. Thompson · B. Inhester · N. Srivastava · M. Kramar · O.C. St. Cyr · G. Stenborg · R.A. Howard  
Solar Phys (2008) 252: 385–396, **File**

**16 May** 1719 UT: SF/C2.9 flare and eruption

## Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI

Nicole **Muhr**, Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein  
Solar Phys., 2014  
<http://arxiv.org/pdf/1408.2513v1.pdf>

## RECONSTRUCTION OF THE 2007 MAY 22 MAGNETIC CLOUD: HOW MUCH CAN WE TRUST THE FLUX-ROPE GEOMETRY OF CMES?

Y. **Liu**, G. Luhmann,<sup>1</sup> K. E. J. Huttunen,<sup>1</sup> R. P. Lin,<sup>1</sup> S. D. Bale,<sup>1</sup> C. T. Russell,<sup>3</sup> and A. B. Galvin<sup>4</sup>  
The Astrophysical Journal, 677:L133–L136, 2008  
<http://www.journals.uchicago.edu/doi/pdf/10.1086/587839>

## Origins of Rolling, Twisting and Non-Radial Propagation of Eruptive Solar Events

Olga **Panasenco**, Sara F. Martin, Marco Velli, Angelos Vourlidas  
E-print, Dec 2012; Solar Phys., 2013

**16-21 May**

## НАБЛЮДЕНИЯ ЖЕСТКОГО РЕНТГЕНОВСКОГО ИЗЛУЧЕНИЯ СЛАБЫХ ВСПЫШЕК

И.Ю. **Григорьева**, М.А. Лившиц  
ИКИ-2014, Сессия: Солнце  
<http://plasma2014.cosmos.ru/presentations>

**16-22 May**

## LOW-FREQUENCY OBSERVATIONS OF POLARIZED EMISSION FROM LONG-LIVED NON-THERMAL RADIO SOURCES IN THE SOLAR CORONA

R. **Ramesh**, C. Kathiravan and A. Satya Narayanan  
2011 ApJ 734 39,

May 2007

## 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.; FrDnz, 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.

J. Geophys. Res., Vol. 114, No. A7, A07106, 2009  
<http://dx.doi.org/10.1029/2008JA014034>

**18 May**

**A comparison between solar plage and network properties**

D. [Buehler](#), [A. Lagg](#), [M. van Noort](#), [S.K. Solanki](#)

A&A 2019

<https://arxiv.org/pdf/1908.07464.pdf>

**NONLINEAR FORCE-FREE MODELING OF MAGNETIC FIELDS IN A SOLAR FILAMENT**

Ju [Jing](#) 1, Yuan Yuan 1, Thomas Wiegelmann 2, Yan Xu 1, Rui Liu 1 and Haimin Wang

2010 ApJL 719 L56,

**19 May**

~12:30 UT, B9 flare; **outstanding EIT wave (tsunami)**; STEREO data; no EIT data

See: <http://secchi.nrl.navy.mil/spwx/index.php?p=20070519event>

See [Attrill's](#) paper about 23 May

See <http://stereo.gsfc.nasa.gov/gallery/item.php?id=selects&iid=58>

**Polarisation and source structure of solar stationary type IV radio bursts\***

Carolina [Salas-Matamoros](#)<sup>1</sup> and Karl-Ludwig Klein

A&A 639, A102 (2020)

<https://www.aanda.org/articles/aa/pdf/2020/07/aa37989-20.pdf>

**Large-scale Globally Propagating Coronal Waves**

**Review**

[Warmuth](#), Alexander

Living Reviews in Solar Physics, PUB.NO. lrsp-2015-3, 2015

<http://solarphysics.livingreviews.org/Articles/lrsp-2015-3/> File

**Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI**

Nicole [Muhr](#), Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein

Solar Phys., 2014

<http://arxiv.org/pdf/1408.2513v1.pdf>

**ВОЗНИКНОВЕНИЕ ЖЕСТКОГО РЕНТГЕНОВСКОГО ИЗЛУЧЕНИЯ ПРИ СЛАБЫХ НЕСТАЦИОНАРНЫХ ПРОЦЕССАХ В АКТИВНЫХ ОБЛАСТЯХ**

Выборнов В.И. 1 , Григорьева И.Ю. 2 , Лившиц М.А. 1 , Иванов Е.Ф. 3

«Солнечная и солнечно-земная физика – 2014», Санкт-Петербург, Пулковое, 20 – 24 октября

Стр. 91-94

[http://www.gao.spb.ru/russian/publ-s/conf\\_2014/conf\\_2014.pdf](http://www.gao.spb.ru/russian/publ-s/conf_2014/conf_2014.pdf)

**ARE DECAYING MAGNETIC FIELDS ABOVE ACTIVE REGIONS RELATED TO CORONAL MASS EJECTION ONSET?**

J. Suzuki<sup>1</sup>, B. T. Welsch<sup>2</sup>, and Y. Li

2012 ApJ 758 22

**FIRST THREE-DIMENSIONAL RECONSTRUCTIONS OF CORONAL LOOPS WITH THE STEREO A+B SPACECRAFT. IV. MAGNETIC MODELING WITH TWISTED FORCE-FREE FIELDS**

Markus J. Aschwanden, Jean-Pierre Wuelser, Nariaki V. Nitta, James R. Lemen, Marc L. DeRosa, and Anna Malanushenko  
2012 ApJ 756 124

**On the Nature and Genesis of EUV Waves: A Synthesis of Observations from SOHO, STEREO, SDO, and Hinode** **Review**

Spiros [Patsourakos](#) 1 \_ Angelos Vourlidas  
arXiv-print, 2012, **File**; Solar Physics, Special Issue "The Sun in 360",2012,

**What can we learn about solar coronal mass ejections, coronal dimmings, and Extreme-Ultraviolet jets through spectroscopic observations?**

Hui [Tian](#), Scott W. McIntosh, Lidong Xia, Jiansen He, Xin Wang  
E-print, Jan 2012, **File**; ApJ

**Coronal Shock Waves, EUV Waves, and Their Relation to CMEs.**

**I. Reconciliation of "EIT Waves", Type II Radio Bursts, and Leading Edges of CMEs**

V. V. [Grechnev](#), A. M. Uralov, I. M. Chertok, I. V. Kuzmenko, A. N. Afanasyev, N. S. Meshalkina, S. S. Kalashnikov and Y. Kubo  
Solar Physics, Volume 273, Number 2, 433-460, 2011, **File in Chertok's papers**

**Analysis of characteristic parameters of large-scale coronal waves observed by STEREO/EUVI**

N. [Muhr](#), A.M. Veronig, I.W. Kienreich, M. Temmer, B. Vrsnak  
E-print, 4 Aug 2011, **File**;

**Deceleration and dispersion of large-scale coronal bright fronts**

[Long](#), D. M., Gallagher, P. T., McAteer, R. T. J., & Bloomfield, D. S.  
E-print, April, 2011, **File**;Astronomy & Astrophysics, Volume 531, id.A42, 2011

**Prominence 3D reconstruction in the STEREO era: [A review](#)**

**[Bemporad A.](#)**

Journal of Atmospheric and Solar-Terrestrial Physics  
Volume 73, Issue 10, 20 June 2011, Pages 1117-1128, **File**

**EIT Wave Observations and Modeling in the STEREO Era** ([Review](#))

A.N. [Zhukov](#)  
E-print, Feb 2011, **File**; JASTP

**IN SITU HEATING OF THE [2007 MAY 19](#) CME EJECTA DETECTED BY STEREO/PLASTIC AND ACE**

Cara E. [Rakowski](#)<sup>1</sup>, J. Martin Laming<sup>2</sup> and Maxim Lyutikov<sup>3</sup>  
2011 ApJ 730 30, **File**

**Multipoint connectivity analysis of the May 2007 solar energetic particle events**

[Chollet](#), E. E.; Mewaldt, R. A.; Cummings, A. C.; Gosling, J. T.; Haggerty, D. K.; Hu, Q.; Larson, D.; Lavraud, B.; Leske, R. A.; Opitz, A.; Roelof, E. C.; Russell, C. T.; Sauvaud, J.-A.  
J. Geophys. Res., Vol. 115, No. A12, A12106, 2010  
<http://dx.doi.org/10.1029/2010JA015552>

**The dependence of the EIT wave velocity on the magnetic field strength**

H.Q. [Yang](#) · P.F. Chen  
E-print, Feb., Solar Phys. 266: 59–69, 2010, **File**; DOI 10.1007/s11207-010-9595-3

**a Hinode EIS science nugget "Spectroscopic analysis of an EUV wave/dimming"**  
by Feng **Chen** (2010) <http://msslxr.mssl.ucl.ac.uk:8080/SolarB/eisnuggets.jsp>

**SPECTROSCOPIC ANALYSIS OF AN EIT WAVE/DIMMING OBSERVED BY HINODE/EIS**  
F. **Chen**, M. D. Ding and P. F. Chen  
E-print, Aug 2010; *ApJ*, 720:1254–1261, 2010, **File**

See about the Region on 18 May

**NONLINEAR FORCE-FREE MODELING OF MAGNETIC FIELDS IN A SOLAR FILAMENT**  
Ju **Jing** 1, Yuan Yuan 1, Thomas Wiegelmann 2, Yan Xu 1, Rui Liu 1 and Haimin Wang  
2010 *ApJL* 719 L56,

**STEREO observations of a dome-shaped large-scale coronal EUV wave**  
Astrid **Veronig**, Ines Kienreich, Nicole Muhr, Manuela Temmer, Bojan Vršnak  
CESRA\_2010, **Presentation file**

**Measurements of Filament Height in H $\alpha$  and EUV 304 Å**  
Yan **Xu** · Ju Jing · Haimin Wang  
*Solar Phys* (2010) 264: 81–91, **File**

**THE CORONAL AND HELIOSPHERIC 2007 MAY 19 EVENT: CORONAL MASS EJECTION, EXTREME ULTRAVIOLET IMAGER WAVE, RADIO BURSTS, AND ENERGETIC ELECTRONS**  
A. **Kerdraon**<sup>1</sup>, M. Pick<sup>1</sup>, S. Hoang<sup>1</sup>, Y.-M. Wang<sup>2</sup>, and D. Haggerty<sup>3</sup>  
*Astrophysical Journal*, 715:468–476, 2010 May, **File**

**Global simulation of an EIT wave**  
J. M. **Schmidt** and L. Ofman  
E-print, Oct 2009; *ApJ* **713** 1008, 2010; **File**;

**Temporal comparison of nonthermal flare emission and magnetic-flux change rates:**  
C.H. **Miklenic**, A.M. Veronig and B. Vršnak  
E-print, Oct 2009, **File**; *A&A* 499 (2009) 893-904

**Multipoint Observations of Solar Type III Radio Bursts from STEREO and Wind**  
M.J. **Reiner** · K. Goetz · J. Fainberg · M.L. Kaiser · M. Maksimovic · B. Cecconi · S. Hoang · S.D. Bale · J.-L. Bougeret  
*Solar Phys* (2009) 259: 255–276; **File**

**Formation, Interaction and Merger of an Active Region and a Quiescent Filament Prior to Their Eruption on 19 May 2007**  
L.A. **Bone** · L. van Driel-Gesztelyi · J.L. Culhane · G. Aulanier · P. Liewer  
*Solar Phys* (2009) 259: 31–47

**Grechnev**, FIAN-2009

**Relation Between Type II Bursts and CMEs Inferred from STEREO Observations**  
**Gopalswamy**, N.; Thompson, W. T.; Davila, J. M.; Kaiser, M. L.; Yashiro, S.; M<sup>?</sup>kel<sup>?</sup>, P.; Michalek, G.; Bougeret, J.-L.; Howard, R. A.  
E-print, July 2009; *Solar Phys.* **File**

### **Optimized Grad – Shafranov Reconstruction of a Magnetic Cloud Using STEREO-Wind Observations**

C. **Möstl** · C.J. Farrugia · H.K. Biernat · M. Leitner · E.K.J. Kilpua · A.B. Galvin · J.G. Luhmann  
Solar Phys (2009) 256: 427–441, DOI 10.1007/s11207-009-9360-7

### **Stereoscopic Analysis of the 19 May 2007 Erupting Filament**

P.C. **Liewer** · E.M. De Jong · J.R. Hall · R.A. Howard · W.T. Thompson · J.L. Culhane · L. Bone · L. van Driel-Gesztelyi  
Solar Phys (2009) 256: 57–72, DOI 10.1007/s11207-009-9363-4, **File**

### **Multispacecraft Observations of Magnetic Clouds and Their Solar Origins between 19 and 23 May 2007**

E. K. J. **Kilpua**, P. C. Liewer, C. Farrugia, J. G. Luhmann, C. Möstl, Y. Li, Y. Liu, B. J. Lynch, C. T. Russell, A. Vourlidas, M. H. Acuna, A. B. Galvin, D. Larson, J. A. Sauvaud  
Solar Phys (2009) 254: 325–344

### **Multi-spacecraft recovery of a magnetic cloud and its origin from magnetic reconnection on the Sun**

C. **Moestl**, C.J. Farrugia, C. Miklenic, M. Temmer, A.B. Galvin, J.G. Luhmann, E.K.J. Kilpua, M. Leitner, T. Nieves-Chinchilla, A. Veronig, H.K. Biernat  
E-print, Jan 2009, JGR, Vol. 114, No. A4, A04102

### **EUV WAVE REFLECTION FROM A CORONAL HOLE**

N. **Gopalswamy**, S. Yashiro, M. Temmer, J. Davila, W. T. Thompson, S. Jones, R. T. J. McAteer, J.-P. Wuelser, S. Freeland, and R. A. Howard  
ApJ 691 L123-L127 2009, **File**  
<http://www.iop.org/EJ/abstract/1538-4357/691/2/L123>

### **Large-scale Coronal Waves Observed with EUVI/STEREO**

**Veronig**, A.1; Temmer, M.1; Vrsnak, B.  
Freiburg ESP Meeting 2008, **Poster**

### **3D Reconstruction from SECCHI-EUVI Images Using an Optical-Flow Algorithm: Method Description and Observation of an Erupting Filament**

S.F. **Gissot** · J.-F. Hochedez · P. Chainais · J.-P. Antoine  
Solar Phys (2008) 252: 397–408, **File**  
<http://www.springerlink.com/content/w680q280063r165q/fulltext.pdf>

### **High cadence observations of a global coronal wave by EUVI/STEREO**

Astrid M. **Veronig**, Manuela Temmer, Bojan Vr̃snak  
**E-print, June 2008, File; ApJ Letters**

### **The kinematics of a globally propagating disturbance in the low corona**

David M. **Long**, Peter T. Gallagher, R. T. James McAteer and D. Shaun Bloomfield  
E-print, April 2008, **File; ApJ**

### **The Solar Magnetic Field and Coronal Dynamics of the Eruption on 2007 May 19**

Y. **Li**, B. J. Lynch, G. Stenborg, J. G. Luhmann, K. E. J. Huttunen, B. T. Welsch, P. C. Liewer, and A. Vourlidas  
The Astrophysical Journal Letters, Vol. 681, No. 1: L37-L40, 2008.  
<http://www.journals.uchicago.edu/doi/pdf/10.1086/590340>

**20 May** - 06 UT: large SW CME at STEREO/COR1  
CM. <http://cor1.gsfc.nasa.gov/movies/>

### **3D stereoscopic analysis of a Coronal Mass Ejection and comparison with UV spectroscopic data**

Roberto **Susino**, Alessandro Bemporad, Sergio Dolei  
**2014**  
<http://arxiv.org/pdf/1406.3210v1.pdf>

### **Evidence for magnetic flux cancelation leading to an ejective solar eruption observed by Hinode, TRACE, STEREO, and SoHO/MDI\***

A. C. **Sterling**, C. Chifor<sup>2</sup>, H. E. Mason<sup>2</sup>, R. L. Moore<sup>1</sup> and P. R. Young  
A&A 521, A49 (**2010**), [File](#)

### **3D Reconstruction of the Leading Edge of the 20 May 2007 Partial Halo CME**

N. **Srivastava** · B. Inhester · M. Mierla · B. Podlipnik  
Solar Phys (**2009**) 259: 213–225; [File](#)

### **A Quick Method for Estimating the Propagation Direction of Coronal Mass Ejections Using STEREO-COR1 Images**

M. **Mierla** · J. Davila · W. Thompson · B. Inhester · N. Srivastava · M. Kramar · O.C. St. Cyr · G. Stenborg · R.A. Howard  
Solar Phys (**2008**) 252: 385–396, [File](#)

21–23

### **COMPOSITION STRUCTURE OF INTERPLANETARY CORONAL MASS EJECTIONS FROM MULTISPACECRAFT OBSERVATIONS, MODELING, AND COMPARISON WITH NUMERICAL SIMULATIONS**

Alysha A. **Reinard**<sup>1</sup>, Benjamin J. Lynch<sup>2</sup>, and Tamitha Mulligan  
**2012** ApJ 761 175

**21 May**

[http://solar.gmu.edu/heliophysics/index.php/The\\_ISEST\\_Event\\_List](http://solar.gmu.edu/heliophysics/index.php/The_ISEST_Event_List)

**21- 23 May**

### **Understanding Magnetic Cloud Structure from Shock/Discontinuity Analysis**

P. H. **Lin**, **Y. H. Yang**, **J. K. Chao**, **H. Q. Feng**, **J. Y. Liu**  
JGR **2018**  
<http://sci-hub.tw/https://agupubs.onlinelibrary.wiley.com/doi/abs/10.1029/2018JA025225>

**22 May 2007**

### **Optimal Fitting of the Freidberg Solution to In Situ Spacecraft Measurements of Magnetic Clouds**

Qiang **Hu**  
[Solar Physics](#) volume 296, Article number: 101 (**2021**)  
<https://link.springer.com/content/pdf/10.1007/s11207-021-01843-z.pdf>  
<https://doi.org/10.1007/s11207-021-01843-z>

### **Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI**

Nicole **Muhr**, Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrtnak, Manuela Temmer, Bianca Maria Bein

Solar Phys., 2014

<http://arxiv.org/pdf/1408.2513v1.pdf>

### **The 22 May 2007 B-class flare: new insights from Hinode observations**

G. Del Zanna<sup>1</sup>, U. Mitra-Kraev<sup>1</sup>, S. J. Bradshaw<sup>2,3,4</sup>, H. E. Mason<sup>1</sup> and A. Asai  
A&A 526, A1 (2011)

### **Relation Between Type II Bursts and CMEs Inferred from STEREO Observations**

Gopalswamy, N.; Thompson, W. T.; Davila, J. M.; Kaiser, M. L.; Yashiro, S.; M?kel?, P.; Michalek, G.; Bougeret, J.-L.; Howard, R. A.  
E-print, July 2009; Solar Phys. File

22–23 May

### **Advancing in situ modeling of ICMEs: New techniques for New observations†**

T. Mulligan<sup>1,\*</sup>, Alysha A. Reinard<sup>2</sup>, Benjamin J. Lynch  
JGR, 2013

**23 May** – 07:22 UT: B5.3 flare, a clear type II burst at our spectrum, EIT  
bakeout.

### **Impulsive Solar Energetic Particle Events: EUV Waves and Jets** MINI REVIEW

R. Bucik

Front. Astron. Space Sci. 9? 807961 2021

<https://doi.org/10.3389/fspas.2021.807961>

<https://arxiv.org/abs/2112.14282>

### **Mass and energy of erupting solar plasma observed with the X-Ray Telescope on Hinode**

Jin-Yi Lee, John C. Raymond, Katharine K. Reeves, Yong-Jae Moon, and Kap-Sung Kim  
ApJ, 2014

<http://arxiv.org/pdf/1411.2229v1.pdf>

### **Statistical Analysis of Large-scale EUV Waves Observed by STEREO/EUVI**

Nicole Muhr, Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein

Solar Phys., 2014

<http://arxiv.org/pdf/1408.2513v1.pdf>

### **Impulsive acceleration of coronal mass ejections: I. Statistics and CME source region characteristics**

B. M. Bein, S. Berkebile-Stoiser, A. M. Veronig, M. Temmer, N. Muhr, I. Kienreich, D. Utz

E-print, 5 Aug, 2011, File

### **Multipoint connectivity analysis of the May 2007 solar energetic particle events**

Chollet, E. E.; Mewaldt, R. A.; Cummings, A. C.; Gosling, J. T.; Haggerty, D. K.; Hu, Q.; Larson, D.; Lavraud, B.; Leske, R. A.; Opitz, A.; Roelof, E. C.; Russell, C. T.; Sauvaud, J.-A.

J. Geophys. Res., Vol. 115, No. A12, A12106, 2010

<http://dx.doi.org/10.1029/2010JA015552>

### **HINODE/XRT AND STEREO OBSERVATIONS OF A DIFFUSE CORONAL “WAVE”–CORONAL MASS EJECTION–DIMMING EVENT**

Gemma D. R. Attrill, Alexander J. Engell, Meredith J. Wills-Davey, Paolo Grigis, and Paola Testa  
Astrophysical Journal, 704:1296–1308, 2009 October; File

### **SOLAR ENERGETIC PARTICLE 3He-RICH EVENTS FROM THE NEARLY QUIET SUN IN 2007–2008**

G. M. Mason<sup>1</sup>, N. V. Nitta<sup>2</sup>, C. M. S. Cohen<sup>3</sup>, and M. E. Wiedenbeck<sup>4</sup>

Astrophysical Journal, 700:L56–L59, 2009

27 May

## Impulsive acceleration of coronal mass ejections: I. Statistics and CME source region characteristics

B. M. **Bein**, S. Berkebile-Stoiser, A. M. Veronig, M. Temmer, N. Muhr, I. Kienreich, D. Utz  
E-print, 5 Aug, 2011, **File**

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!!! 30 May – 5 June: целая серия вспышек класса C и M  
-----

**1 June** – 07:06: M1.0 **пересвет**  $B=22*2/282=0,16$  <--**16 s**; **8 s**  $\rightarrow L/R_s=0,08$

15:06: M2.8 вспышка, **пересвет** на STEREO-B,  $B=35*2/282=0,25$  <--**16 s**; **8 s**  $\rightarrow L/R_s=0,124$

21:56: M2.1 вспышка, **пересвет** на STEREO-B,  $B=38*2/282=0,27$  <--**16 s**; **8 s**  $\rightarrow L/R_s=0,135$

### **1 June**

#### Solar Flare Element Abundances from the Solar Assembly for X-rays (SAX) on MESSENGER

B. R. **Dennis**, K. J. H. Phillips, R. A. Schwartz, A. K. Tolbert, R. D. Starr, L. R. Nittler  
ApJ 2015

<http://arxiv.org/pdf/1503.01602v1.pdf>

**2 June** - 06:36: M2.5 **пересвет** на STEREO-B,  $B=43*2/282=0,30$  <--**16 s**; **8 s**  $\rightarrow L/R_s=0,152$

10:36: M1.0 **пересвет** на STEREO-B,  $B=28,5*2/282=0,20$  <--**16 s**; **8 s**  $\rightarrow L/R_s=0,101$

### **2 June**

#### Hinode/EIS measurements of active region magnetic fields

[E. Landi](#), [R. Hutton](#), [T. Brage](#), [W. Li](#)

2020

<https://arxiv.org/pdf/2008.03532.pdf>

#### Долгопериодические пульсации теплового микроволнового излучения солнечной вспышки 2 июня 2007 г. по данным с высоким пространственным разрешением

Е. Г. **Куприянова**, В. Ф. Мельников, В. М. Пузыня, К. Шибасаки, Х. С. Джи

АЖ, т. 91, №8, С. 662-667, 2014

### **2-3 June**

#### Coronal and Interplanetary Structures Associated with Type III Bursts

M. **Pick** · A. Kerdran · F. Auchère · G. Stenborg · A. Bouteille · E. Soubrié

Solar Phys (2009) 256: 101–110, DOI 10.1007/s11207-009-9359-0, 2009, **File**

STEREO SCIENCE RESULTS AT SOLAR MINIMUM

3–10 June

#### MAGNETIC NON-POTENTIALITY OF SOLAR ACTIVE REGIONS AND PEAK X-RAY FLUX OF THE ASSOCIATED FLARES

Sanjiv Kumar **Tiwari**, P. Venkatakrisnan, and Sanjay Gosain

Astrophysical Journal, 721:622–629, 2010 September, **File**

**3 June** – 02:06 – M2.4 **пересвет** на STEREO-B,  $B=21*2/282=0,15$  <--**16 s**; **8 s**  $\rightarrow L/R_s=0,074$

02:26 – M7 **пересвет** на STEREO-B,  $B=36*2/282=0,26$  <--**16 s**; **8 s**  $\rightarrow L/R_s=0,128$

06:46 – M4.5 **пересвет** на STEREO-B,  $B=57*1/282=0,40$  <--**16 s**; **8 s**  $\rightarrow L/R_s=0,202$

09:36 – C5.3 вспышка; на STEREO-B,  $B=13*2/282=0,09$  <--**16 s**; **8 s**  $\rightarrow L/R_s=0,046$



$$A=14*2/313=0,09 <--16\text{ s}; 8\text{ s} \rightarrow L/Rs=$$

**3 June** – 09:40 UT: C5.3 flare/CME

хороший всплеск II типа от очень импульсной вспышки

## Constraints on energy release in solar flares from RHESSI and GOES X-ray observations

### I. Physical parameters and scalings

A. **Warmuth** and G. Mann

A&A 588, A115 (2016)

<http://www.aanda.org/articles/aa/pdf/2016/04/aa27474-15.pdf>

## Interacting CMEs and their associated flare and SEP activities

A. **Shanmugaraju**, S. Prasanna Subramanian

2014

<http://arxiv.org/pdf/1405.6316v1.pdf>

## The Association of Solar Flares with Coronal Mass Ejections During the Extended Solar Minimum

**Nitta**, N. V., Aschwanden, A. M., Freeland, S. L., Lemen, J. R., Wuelser, J.-P., Zarro, D. M.

E-print, Aug 2013, File; Solar Phys.

## Frequency Dependence of the Relation Between Repetition Rate and Burst Flux in Solar Radio Pulsations

G.L. **Huang** · Q.W. Song

Solar Phys (2010) 264: 345–351

## Combined STEREO/RHESSI study of CME acceleration and particle acceleration in solar flares

M. **Temmer**, A.M. Veronig, E.P. Kontar, S. Krucker, B. Vrsnak

E-print, Feb. 2010, File, Ap. J.

## Relation Between Type II Bursts and CMEs Inferred from STEREO Observations

**Gopalswamy**, N.; Thompson, W. T.; Davila, J. M.; Kaiser, M. L.; Yashiro, S.; M?kel?, P.; Michalek, G.; Bougeret, J.-L.; Howard, R. A.

E-print, July 2009; Solar Phys. File

## Relation between CME Acceleration Profile and Flare Energy Release derived from Combined STEREO and RHESSI Observations

**Temmer**, M.1; Veronig, A.M.1; Vrsnak, B.2

Fraiburg ESP Meeting 2008, Presentation

**4 June** – 05:15–M8.9 **большой пересвет**  $A=164*2/313=1,05 <--16\text{ s}; 8\text{ s} \rightarrow L/Rs=$

$$B=39/78=0,5 \quad 146*2/282=1,04 <--16\text{ s}; 8\text{ s} \rightarrow L/Rs=0.518$$

**4 June** – M8.7/3B at 05:06 UTC

## Observation of Kink Instability as Driver of Recurrent Flares in AR 10960

**Srivastava**, A. K.; Kumar, Pankaj; Zaqarashvili, T. V.; Filippov, B. P.; Khodachenko, M. L.; Uddin, Wahab

E-print Jan 2011; Publication in Advances in Geosciences

## OBSERVATION OF KINK INSTABILITY DURING SMALL B5.0 SOLAR FLARE ON 2007 JUNE 4

A. K. **Srivastava**1, T. V. Zaqarashvili2,3, Pankaj Kumar1, and M. L. Khodachenko2

Astrophysical Journal, 715:292–299, 2010 May

## Multiwavelength Study of the M8.9/3B Solar Flare from AR NOAA 10960

Pankaj **Kumar** · A.K. Srivastava · B. Filippov · Wahab Uddin

Solar Phys (2010) 266: 39–58, DOI 10.1007/s11207-010-9586-4

### Study of White-Light Flares Observed by **Hinode**

Haimin **Wang**

BBSO Preprint, #1373, 2008

<http://solar.njit.edu/preprints/wang1373.pdf>

5 June –

### A Statistical Study on Property of Spatial Magnetic Field for Solar Active Region

**Liu** Suo

Ap&ss 2014

<http://arxiv.org/pdf/1405.2149v1.pdf>

### MULTI-WAVELENGTH SPECTROSCOPIC OBSERVATION OF EXTREME-ULTRAVIOLET JET IN AR 10960

Y. Matsui<sup>1</sup>, T. Yokoyama<sup>1</sup>, N. Kitagawa<sup>1</sup>, and S. Imada

2012 ApJ 759 15

### What can we learn about solar coronal mass ejections, coronal dimmings, and Extreme-Ultraviolet jets through spectroscopic observations?

Hui **Tian**, Scott W. McIntosh, Lidong Xia, Jiansen He, Xin Wang

E-print, Jan 2012, File; ApJ

### Strong rotation of an erupting quiescent polar crown prominence

W.T. **Thompson**

Journal of Atmospheric and Solar-Terrestrial Physics, Volume 73, Issue 10, 2011, Pages 1138-1147

### A Quick Method for Estimating the Propagation Direction of Coronal Mass Ejections Using STEREO-COR1 Images

M. **Mierla** · J. Davila · W. Thompson · B. Inhester · N. Srivastava · M. Kramar · O.C. St. Cyr · G. Stenborg · R.A. Howard

Solar Phys (2008) 252: 385–396, File

6 June – 17:45 – C9.7 **пересвет** на STEREO:  $A=28*2/313=0,18$

$B=24,5*2/281=0,17 <--16\text{ s}; 8\text{ s} \rightarrow L/Rs=0.087$

6 June

### Production of High-Temperature Plasmas During the Early Phases of a C9.7 Flare. II. Bi-directional Flows Suggestive of Reconnection in a Pre-flare Brightening Region

T. **Watanabe**, H. Hara, A. C. Sterling, L. K. Harra

Solar Physics, November 2012, Volume 281, Issue 1, pp 87-99

### Strong rotation of an erupting quiescent polar crown prominence

W.T. **Thompson**

Journal of Atmospheric and Solar-Terrestrial Physics, Volume 73, Issue 10, 2011, Pages 1138-1147

### PRODUCTION OF HIGH-TEMPERATURE PLASMAS DURING THE EARLY PHASES OF A C9.7 FLARE

Tetsuya **Watanabe** 1,2, Hirohisa Hara 1,2, Alphonse C. Sterling 3,4 and Louise K. Harra 5

2010 ApJ 719 213

**7 June**

**On estimating the force-freeness based on observed magnetograms**

X. M. **Zhang**, M. Zhang, J. T. Su

ApJ **2016**

<https://arxiv.org/pdf/1611.03190v1.pdf>

**North-South asymmetry in the magnetic deflection of polar coronal hole jets**

Nistico G., Zimbardo G., Patsourakos S., Bothmer V., Nakariakov V. M.

A&A **2015**

[http://www2.warwick.ac.uk/fac/sci/physics/research/cfsa/people/nistico/publications/paper\\_ns\\_asymmetry.pdf](http://www2.warwick.ac.uk/fac/sci/physics/research/cfsa/people/nistico/publications/paper_ns_asymmetry.pdf)

**ARE DECAYING MAGNETIC FIELDS ABOVE ACTIVE REGIONS RELATED TO CORONAL MASS EJECTION ONSET?**

J. **Suzuki**<sup>1</sup>, B. T. Welsch<sup>2</sup>, and Y. Li

**2012** ApJ 758 22

**First nonlinear force-free field extrapolations of SOLIS/VSM data**

J. K. **Thalmann**, T. Wiegmann, and N.-E. Raouafi

E-print, Aug **2008**; A&A Let.

**8 June**

**A distinct magnetic property of the inner penumbral boundary. II. Formation of a penumbra at the expense of a pore**

Jan **Jurcak**, Nazaret Bello Gonzalez, Rolf Schlichenmaier, Reza Rezaei

A&A **2016**

<https://arxiv.org/pdf/1612.01745v1.pdf>

**9 June** – 13:46 – M1.0 большой **пересвет** на STEREO:  $A=14,5*2/313=0,09$   $T_{exp}=?$

$B=11,5*2/281=0,082$   $T_{exp}=8$  s

**9 June**

**Narrowband Pulsating Decimeter Structure Observed by the New Ondřejov Solar Radio Spectrograph**

K. **Jiřička** · M. Karlický

Solar Phys (**2008**) 253: 95–101

13 June

**AN AUTOMATIC DETECTION METHOD FOR EXTREME-ULTRAVIOLET DIMMINGS ASSOCIATED WITH SMALL-SCALE ERUPTION**

N. **Alipour**<sup>1</sup>, H. Safari<sup>1</sup> and D. E. Innes

**2012** ApJ 746 12, File

**23 June**

**Pseudostreamers as the source of a separate class of solar coronal mass ejections,**

**Wang**, Y-M.

(**2015**), Astrophys. J. Lett., 803. L12.

<http://iopscience.iop.org/article/10.1088/2041-8205/803/1/L12/pdf>

**27 June**

**Multi-Spacecraft Observations of an Interplanetary Coronal Mass Ejection Interacting with Two Solar-Wind Regimes Observed by the Ulysses and Twin-STEREO Spacecraft**

Megan L. **Maunder**, **Claire Foullon**, **Robert Forsyth**, **David Barnes** & **Jackie Davies**

**Solar Physics** volume 297, Article number: 148 (**2022**)

<https://link.springer.com/content/pdf/10.1007/s11207-022-02077-3.pdf>

## Novel data analysis techniques in coronal seismology

**Review**

[Sergey A. Anfinogentov](#), [Patrick Antolin](#), [Andrew R. Inglis](#), [Dmitrii Kolotkov](#), [Elena G. Kupriyanova](#), [James A. McLaughlin](#), [Giuseppe Nisticò](#), [David J. Pascoe](#), [S. Krishna Prasad](#), [Ding Yuan](#)  
2022

<https://arxiv.org/pdf/2112.13577.pdf>

## 3D Reconstruction of Coronal Loops by the Principal Component Analysis

Giuseppe [Nisticò](#), Erwin Verwichte, Valery M. Nakariakov

E-print, Oct 2013; *Entropy*

## SEISMOLOGY OF A LARGE SOLAR CORONAL LOOP FROM EUVI/STEREO OBSERVATIONS OF ITS TRANSVERSE OSCILLATION

E. [Verwichte](#)<sup>1</sup>, M. J. Aschwanden<sup>2</sup>, T. Van Doorselaere<sup>1</sup>, C. Foullon<sup>1,3</sup>, and V. M. Nakariakov<sup>1</sup>  
*Astrophysical Journal*, 698:397–404, 2009

<http://www.iop.org/EJ/toc/-alert=43190/0004-637X/698/1>

## 27 June-4 July

### Multi-Spacecraft Observations of an Interplanetary Coronal Mass Ejection Interacting with Two Solar-Wind Regimes Observed by the Ulysses and Twin-STEREO Spacecraft

Megan L. [Maunder](#), [Claire Foullon](#), [Robert Forsyth](#), [David Barnes](#) & [Jackie Davies](#)

*Solar Physics* volume 297, Article number: 148 (2022)

<https://link.springer.com/content/pdf/10.1007/s11207-022-02077-3.pdf>

## 28 June-%July

### MAGNETIC NON-POTENTIALITY OF SOLAR ACTIVE REGIONS AND PEAK X-RAY FLUX OF THE ASSOCIATED FLARES

Sanjiv Kumar [Tiwari](#), P. Venkatakrishnan, and Sanjay Gosain

*Astrophysical Journal*, 721:622–629, 2010 September, **File**

## 1 July

### Dispersal of G-band bright points at different longitudinal magnetic field strengths

Yunfei [Yang](#)<sup>1,2,3</sup>, Kaifai Ji<sup>1</sup>, Song Feng<sup>1,2,3</sup>, Hui Deng<sup>1</sup>, Feng Wang<sup>1,4</sup>, and Jiaben Lin

2015 *ApJ* 810 88

<http://arxiv.org/pdf/1509.01426v1.pdf>

## 2-6 July

### A single picture for solar coronal outflows and radio noise storms

G. [Del Zanna](#)<sup>1</sup>, G. Aulanier<sup>2</sup>, K.-L. Klein<sup>2</sup>, and T. Török<sup>2</sup>

E-print, Sept 2010, **File**; *A&A*

## DECONSTRUCTING ACTIVE REGION AR10961 USING STEREO, HINODE, TRACE, AND SOHO

Jane B. [Noglik](#)<sup>1</sup>, Robert W. Walsh<sup>1</sup>, Rhona C. Maclean<sup>2</sup>, and M. S. Marsh<sup>1</sup>

*Astrophysical Journal*, 703:1923–1938, 2009 October

## 4 July 2007(?)

### Gradual Inflation of Active-Region Coronal Arcades Building up to Coronal Mass Ejections

Rui [Liu](#), Chang Liu, Sung-Hong Park and Haimin Wang

BBSO preprint #1433, *Astrophysical Journal*, 723:229–240, 2010, **File**

## 8 July

### Emission measure distribution for diffuse regions in active regions

Srividya [Subramanian](#)

*EIS Nugget*, Dec 2014

[http://solarb.mssl.ucl.ac.uk/SolarB/nuggets/nugget\\_2014dec.jsp](http://solarb.mssl.ucl.ac.uk/SolarB/nuggets/nugget_2014dec.jsp)

## 8-23 July

## The Role of Magnetic Topology in the Heating of Active Region Coronal Loops

J.-Y. Lee, Graham Barnes, K. D. Leka, Katharine K. Reeves, K. E. Korreck, L. Golub and E. E. DeLuca  
2010 ApJ 723 1493-1506

10 July – 01:36 – C4.4 **большой пересвет** на STEREO:  $B=18^2/278=0.13$   $T_{exp}=8$  s

$$A=18^2/314=0,11$$

07:16 – C7.4 **большой пересвет** на STEREO:  $B=11^2/278=0.079$   $T_{exp}=8$  s

$$A=12^2/314=0,11$$

18:06 – C5.2 **пересвет** на STEREO:  $B=14^2/278=0.100$  <-- **16 s**; **8 s**  $\rightarrow L/R_s=0.05$

10-17 July

## MAGNETIC NON-POTENTIALITY OF SOLAR ACTIVE REGIONS AND PEAK X-RAY FLUX OF THE ASSOCIATED FLARES

Sanjiv Kumar **Tiwari**, P. Venkatakrishnan, and Sanjay Gosain  
Astrophysical Journal, 721:622–629, 2010 September, **File**

12 July

## Space weather: the solar perspective -- an update to Schwenn (2006)

**Review**

[Manuela Temmer](#)

Living Reviews in Solar Physics 2021

<https://arxiv.org/pdf/2104.04261.pdf>

## Deriving solar transient characteristics from single spacecraft STEREO/HI elongation variations: a theoretical assessment of the technique

A. O. **Williams**<sup>1</sup>, J. A. Davies<sup>2</sup>, S. E. Milan<sup>1</sup>, A. P. Rouillard<sup>2,3</sup>, C. J. Davis<sup>2</sup>, C. H. Perry<sup>2</sup>, and R. A. Harrison<sup>2</sup>

Ann. Geophys., 27, 4359-4368, 2009

[www.ann-geophys.net/27/4359/2009/](http://www.ann-geophys.net/27/4359/2009/)

19 July –

## Radio Quiet Fast and Wide Coronal Mass Ejections

N. Gopalswamy<sup>1</sup>, S. Yashiro<sup>2</sup>, H. Xie<sup>2</sup>, S. Akiyama<sup>2</sup>, E. Aguilar-Rodriguez<sup>2</sup>, M. L. Kaiser<sup>1</sup>, R. A., Howard<sup>3</sup> and J.-L. Bougeret<sup>4</sup>

E-print, Nov. 2007; Ap. J.

27 July

## No universal connection between the vertical magnetic field and the umbra-penumbral boundary in sunspots

B. **Löptien**, [A. Lagg](#), [M. van Noort](#), [S. K. Solanki](#)

A&A 2020

<https://arxiv.org/pdf/2006.02346.pdf>

## Response of the solar atmosphere to magnetic field evolution in a coronal hole region

S. H. **Yang**<sup>1</sup>, J. Zhang<sup>1</sup>, C. L. Jin<sup>1</sup>, L. P. Li<sup>1</sup>, and H. Y. Duan<sup>2</sup>

E-print, Apr 2009

30 July

## Full halo coronal mass ejections: Do we need to correct the projection effect in terms of velocity?†

Chenglong **Shen**<sup>\*</sup>, Yuming Wang, Zonghao Pan, Min Zhang, Pinzhong Ye, S. Wang

Journal of Geophysical Research: v. 118, Issue 11, pages 6858–6865, 2013, **File**

**1-8 Aug**

**Emission Measure Distribution for Diffuse Regions in Solar Active Regions**

Srividya [Subramanian](#), Durgesh Tripathi, James A. Klimchuk, Helen E. Mason

ApJ, 2014

<http://arxiv.org/pdf/1409.1447v1.pdf>

**2 Aug**

- ~01 UT, Приличный CME с очень сильным ускорением,  
в том числе на STEREO/COR1  
см. <http://cor1.gsfc.nasa.gov/movies/>

**4-14 Aug**

**Inbound waves in the solar corona: a direct indicator of Alfvén Surface location**

C.E. [DeForest](#), T.A. Howard, D.J. McComas

ApJ, 2014

<http://arxiv.org/pdf/1404.3235v2.pdf>

**6-8 Aug**

**Space weather: the solar perspective -- an update to Schwenn (2006)**

**Review**

[Manuela Temmer](#)

Living Reviews in Solar Physics 2021

<https://arxiv.org/pdf/2104.04261.pdf>

**8 Aug**

**The magnetic Rayleigh–Taylor instability in solar prominences**

**Review**

Andrew [Hillier](#)

[Reviews of Modern Plasma Physics](#) December 2018, 2:1

<https://link.springer.com/content/pdf/10.1007%2Fs41614-017-0013-2.pdf>

**Quiescent prominence dynamics observed with the Hinode Solar Optical Telescope .**

**II. Prominence Bubble Boundary Layer Characteristics and the Onset of a Coupled Kelvin-Helmholtz Rayleigh-Taylor Instability**

Thomas [Berger](#), [Andrew Hillier](#), [Wei Liu](#)

2017

<https://arxiv.org/pdf/1707.05265.pdf>

**9-10 Aug**

**TEMPERATURE AND EXTREME-ULTRAVIOLET INTENSITY IN A CORONAL PROMINENCE CAVITY AND STREAMER**

T. A. Kucera<sup>1</sup>, S. E. Gibson<sup>2</sup>, D. J. Schmit<sup>2,3</sup>, E. Landi<sup>4</sup>, and D. Tripathi

2012 ApJ 757 73

**THREE-DIMENSIONAL MORPHOLOGY OF A CORONAL PROMINENCE CAVITY**

S. E. [Gibson](#)<sup>1</sup>, T. A. Kucera<sup>2</sup>, D. Rastawicki<sup>3</sup>, J. Dove<sup>4</sup>, G. de Toma<sup>1</sup>, J. Hao<sup>5</sup>, S. Hill<sup>6</sup>, H. S. Hudson<sup>7</sup>, C. Marqu'e<sup>8</sup>, P. S. McIntosh<sup>9</sup>, L. Rachmeler<sup>1</sup>, K. K. Reeves<sup>10</sup>, B. Schmieder<sup>11</sup>, D. J. Schmit<sup>12</sup>, D. B. Seaton<sup>8</sup>, A. C. Sterling<sup>13,16</sup>, D. Tripathi<sup>14</sup>, D. R. Williams<sup>15</sup>, and M. Zhang<sup>5</sup>

Astrophysical Journal, 724:1133–1146, 2010

**12 Aug**

**On the properties of slow mhd sausage waves within small-scale photospheric magnetic structures**

N. [Freij](#), I. Dorotic, R. J. Morton, M. S. Ruderman, V. Karlovsky, R. Erdekyi  
ApJ 2015

<http://arxiv.org/pdf/1509.08680v1.pdf>

**16 Aug**

## Patches of Magnetic Switchbacks and Their Origins

Chen [Shi](#)<sup>1</sup>, Olga Panasenco<sup>2</sup>, Marco Velli<sup>1</sup>, Anna Tenerani<sup>3</sup>, Jaye L. Verniero<sup>4</sup>, Nikos Sioulas et al.

2022 ApJ 934 152

<https://iopscience.iop.org/article/10.3847/1538-4357/ac7c11/pdf>

## The magnetic Rayleigh–Taylor instability in solar prominences **Review**

Andrew [Hillier](#)

[Reviews of Modern Plasma Physics](#) December 2018, 2:1

<https://link.springer.com/content/pdf/10.1007%2Fs41614-017-0013-2.pdf>

## Quiescent prominence dynamics observed with the Hinode Solar Optical Telescope . II. Prominence Bubble Boundary Layer Characteristics and the Onset of a Coupled Kelvin-Helmholtz Rayleigh-Taylor Instability

Thomas [Berger](#), [Andrew Hillier](#), [Wei Liu](#)

2017

<https://arxiv.org/pdf/1707.05265.pdf>

## Accuracy and Limitations of Fitting and Stereoscopic Methods to Determine the Direction of Coronal Mass Ejections from Heliospheric Imagers Observations

N. [Lugaz](#)

Solar Phys (2010) 267: 411–429; File

**17 Aug**

### Antenna Performance Analysis for Decameter Solar Radio Observations

[Aleksander Stanislavsky](#), [Aleksander Konovalenko](#), [Eduard Abranin](#), [Vladimir Dorovskyy](#), [Valentin Mel'nik](#), [Michael Kaiser](#), [Alain Lecacheux](#), [Helmut Rucker](#)

*Astronomische Nachrichten* 330, 691 (2009)

<http://arxiv.org/pdf/1111.3226v1.pdf>

**21 Aug**

### Antenna Performance Analysis for Decameter Solar Radio Observations

[Aleksander Stanislavsky](#), [Aleksander Konovalenko](#), [Eduard Abranin](#), [Vladimir Dorovskyy](#), [Valentin Mel'nik](#), [Michael Kaiser](#), [Alain Lecacheux](#), [Helmut Rucker](#)

*Astronomische Nachrichten* 330, 691 (2009)

<http://arxiv.org/pdf/1111.3226v1.pdf>

## THREE-DIMENSIONAL POLARIMETRIC CORONAL MASS EJECTION LOCALIZATION TESTED THROUGH TRIANGULATION

Thomas G. [Moran](#)<sup>1,2</sup>, Joseph M. Davila<sup>3</sup>, and William T. Thompson<sup>4</sup>

*Astrophysical Journal*, 712:453–458, 2010 March, File

## Geometric Localization of CMEs in 3D Space Using STEREO Beacon Data: First Results

Curt A. [de Koning](#) · V.J. Pizzo · D.A. Biesecker

*Solar Phys* (2009) 256: 167–181, DOI 10.1007/s11207-009-9344-7, 2009, File

STEREO SCIENCE RESULTS AT SOLAR MINIMUM

**23 Aug**

## Coronal upflows from edges of an active region observed with EUV Imaging Spectrometer onboard Hinode

Naomasa [Kitagawa](#)

PhD thesis, 2014

<http://arxiv.org/pdf/1411.4742v1.pdf>

**24 August**

**What aspects of solar flares can be clarified with mm/submm observations?** **Review**

Gregory D. **Fleishman**, Juan Carlos, Martinez Oliveros, Enrico Landi, Lindsay Glesener  
Front. Astron. Space Sci. 9:966444. **2022**  
doi: 10.3389/fspas.2022.966444  
<https://www.frontiersin.org/articles/10.3389/fspas.2022.966444/pdf>

**Hinode/EIS coronal magnetic field measurements at the onset of a C2 flare**

[Enrico Landi](#), [Wenxian Li](#), [Tomas Brage](#), [Roger Hutton](#)

ApJ **2021**  
<https://arxiv.org/pdf/2102.06072.pdf>

**Chromospheric velocities of a C-class flare\***

P. H. **Keys**, D. B. Jess, M. Mathioudakis and F. P. Keenan  
A&A 529, A127 (**2011**)

**24-26 Aug**

**Observational evidence for local particle acceleration associated with magnetically confined magnetic islands in the heliosphere – a review**

Olga V. **Khabarova** 1 , Gary P. Zank 2,3, Olga E. Malandraki 4 , Gang Li 2, 3 , Jakobus A. le Roux 2,3, Gary M. Webb  
Sun and Geosphere, **2017**; 12/1: 23 -30  
[http://newserver.stil.bas.bg/SUNGEO/00SGArhiv/SG\\_v12\\_No1\\_2017-pp-23-30.pdf](http://newserver.stil.bas.bg/SUNGEO/00SGArhiv/SG_v12_No1_2017-pp-23-30.pdf)

**27 Aug**

**No universal connection between the vertical magnetic field and the umbra-penumbral boundary in sunspots**

B. **Löptien**, [A. Lagg](#), [M. van Noort](#), [S. K. Solanki](#)  
A&A **2020**  
<https://arxiv.org/pdf/2006.02346.pdf>

**28 Aug 2007**

**Signatures of sunspot oscillations and the case for chromospheric resonances**

[T. Felipe](#)  
**2020**  
<https://arxiv.org/pdf/2007.10471.pdf>

**Chromospheric magnetic field: A comparison of He I 10830 Å observations with nonlinear force-free field extrapolation**

[Yusuke Kawabata](#), [Andrés Asensio Ramos](#), [Satoshi Inoue](#), [Toshifumi Shimizu](#)  
ApJ **2020**  
<https://arxiv.org/pdf/2006.00179.pdf>

**29 Aug**

**Chromospheric resonances above sunspots and potential seismological applications**

[T. Felipe](#), [C. Kuckein](#), [S. J. González Manrique](#), [I. Milic](#), [C. R. Sangeetha](#)  
ApJL **2020**  
<https://arxiv.org/pdf/2008.10623.pdf>

**29-31 Aug**

**Relation between trees of fragmenting granules and supergranulation evolution**

Th. **Roudier**, J.M. Malherbe, [M. Rieutord](#), [Z. Frank](#)  
A&A **2016**  
<http://arxiv.org/pdf/1604.04118v1.pdf>



## 31 Aug

### Rotation of an erupting filament observed by the STEREO EUVI and COR1 instruments

A. [Bemporad](#), M. Mierla and D. Tripathi

A&A 531, A147 (2011), [File](#)

### On 3D reconstruction of coronal mass ejections: II. Longitudinal and latitudinal width analysis of 31 August 2007 event

M. [Mierla](#)<sup>a, b, c, , ,</sup>, B. Inhester<sup>d</sup>, L. Rodriguez<sup>b</sup>, S. Gissot<sup>b</sup>, A. Zhukov<sup>b, e</sup> and N. Srivastava<sup>f</sup>

Journal of Atmospheric and Solar-Terrestrial Physics, Volume 73, Issue 10, 2011, Pages 1166-1172, [File](#)

### Low polarised emission from the core of coronal mass ejections

M. [Mierla](#)<sup>1,2,3</sup>, I. Chifu<sup>4,5</sup>, B. Inhester<sup>4</sup>, L. Rodriguez<sup>1</sup> and A. Zhukov

A&A 530, L1 (2011), [File](#)

### Stereoscopic Analysis of STEREO/SECCHI Data for CME Trajectory Determination

P. C. [Liewer](#), J. R. Hall, R. A. Howard, E. M. De Jong, W. T. Thompson, A. Thernisien

E-print, 6 Oct 2010; JASTP

### On 3D Reconstruction of Coronal Mass Ejections:

#### I. Method Description and Application to SECCHI-COR Data

M. [Mierla](#) · B. Inhester · C. Marqué · L. Rodriguez · S. Gissot · A.N. Zhukov · D. Berghmans · J. Davila

Solar Phys (2009) 259: 123–141, [File](#)

## 6 September

### Analysis of spatially deconvolved polar faculae

C. Quintero Noda, Y. Suematsu, B. Ruiz Cobo, [T. Shimizu](#), [A. Asensio Ramos](#)

MNRAS 2016

<http://arxiv.org/pdf/1605.00330v1.pdf>

## 10 September

### Population of Bright Plume Threads in Solar Polar Coronal Holes

Zhenghua [Huang](#), [Quanhao Zhang](#), [Lidong Xia](#), [Li Feng](#), [Hui Fu](#), [Weixin Liu](#), [Mingzhe Sun](#), [Youqian Qi](#), [Dayang Liu](#), [Qingmin Zhang](#), [Bo Li](#)

Solar Phys. 2021

<https://arxiv.org/pdf/2101.03768.pdf>

### A comparison between solar plage and network properties

D. [Buehler](#), [A. Lagg](#), [M. van Noort](#), [S.K. Solanki](#)

A&A 2019

<https://arxiv.org/pdf/1908.07464.pdf>

## 18 Sept – 6 Oct

### Corotating Interaction Regions as Seen by the STEREO Heliospheric Imagers 2007 – 2010

T. M. [Conlon](#), S. E. Milan, J. A. Davies

Solar Phys., 2015

**Table 2** Timing and propagation speed of the 40 events used in this study. The start time is the start time of the time–elongation profile that starts at  $\varphi = 180^\circ$  to the nearest hour in the format dd mmm yyyy hh.

## 25 Sept

### Comparing two intervals of exceptionally strong solar rotation recurrence of galactic cosmic rays

A. [Gil](#) and K. Mursula

JGR 2018

<http://sci-hub.tw/https://onlinelibrary.wiley.com/doi/abs/10.1029/2018JA025523>

## The Magnetic Field in the Solar Atmosphere **Review**

Thomas **Wiegmann**, Julia K. Thalmann, Sami K. Solanki

A&Arv, 2014

<http://arxiv.org/pdf/1410.4214v1.pdf>

**30 September**

[http://msslxr.mssl.ucl.ac.uk:8080/SolarB/nuggets/nugget\\_sep01.jsp](http://msslxr.mssl.ucl.ac.uk:8080/SolarB/nuggets/nugget_sep01.jsp)

## MULTIWAVELENGTH OBSERVATIONS OF SMALL-SCALE RECONNECTION EVENTS TRIGGERED BY MAGNETIC FLUX EMERGENCE IN THE SOLAR ATMOSPHERE

S. L. **Guglielmino**<sup>1</sup>, L. R. Bellot Rubio<sup>2</sup>, F. Zuccarello<sup>1</sup>, G. Aulanier<sup>3</sup>, S. Vargas Domínguez<sup>4</sup>, and S. Kamio<sup>5</sup>

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**17 Sept**

## Relating white light and in situ observations of coronal mass ejections: **A review**

A.P. **Rouillard**

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## The magnetic Rayleigh–Taylor instability in solar prominences **Review**

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## The Kinematics and Morphology of Solar Coronal Mass Ejections **Review**

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Shane A. [Maloney](#), Peter T. Gallagher and R. T. James McAteer<sup>1</sup>  
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### **The kinematics of coronal mass ejections using multiscale methods**

J. P. [Byrne](#), P. T. Gallagher<sup>1</sup>, R. T. J. McAteer<sup>1</sup>, and C. A. Young<sup>2</sup>  
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### **Magnetic topological analysis of coronal bright points**

K. [Galsgaard](#), [M. S. Madjarska](#), [F. Moreno-Insertis](#), [Z. Huang](#), [T. Wiegelmann](#)  
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### **Emergence of small-scale magnetic flux in the quiet Sun**

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### **EXTREME ULTRAVIOLET OBSERVATIONS AND ANALYSIS OF MICRO-ERUPTIONS AND THEIR ASSOCIATED CORONAL WAVES**

O. [Podladchikova](#)<sup>1</sup>, A. Vourlidas<sup>2</sup>, R. A. M. Van der Linden<sup>1</sup>, J.-P. Wulser<sup>3</sup>, and S. Patsourakos<sup>2</sup>  
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### Photospheric Abundances of Polar Jets on the Sun Observed by Hinode

Kyoung-Sun Lee<sup>1</sup>, David H. Brooks<sup>2</sup>, and Shinsuke Imada

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### SOLAR POLAR X-RAY JETS AND MULTIPLE BRIGHT POINTS: EVIDENCE FOR SYMPATHETIC ACTIVITY

Stefano Pucci<sup>1</sup>, Giannina Poletto<sup>2</sup>, Alphonse C. Sterling<sup>3,4</sup> and Marco Romoli

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### How Many CMEs Have Flux Ropes? Deciphering the Signatures of Shocks, Flux Ropes, and Prominences in Coronagraph Observations of CMEs Review

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Maria S. **Madjarska**

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## **OBSERVATIONAL EVIDENCE OF A CORONAL MASS EJECTION DISTORTION DIRECTLY ATTRIBUTABLE TO A STRUCTURED SOLAR WIND**

N. P. **Savani**<sup>1</sup>, M. J. Owens<sup>1,5</sup>, A. P. Rouillard<sup>2,3</sup>, R. J. Forsyth<sup>1</sup>, and J. A. Davies<sup>4</sup>

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## **RECONSTRUCTING CORONAL MASS EJECTIONS WITH COORDINATED IMAGING AND IN SITU OBSERVATIONS: GLOBAL STRUCTURE, KINEMATICS, AND IMPLICATIONS FOR SPACE WEATHER FORECASTING**

Ying **Liu**<sup>1</sup>, Arnaud Thernisien<sup>2</sup>, Janet G. Luhmann<sup>1</sup>, Angelos Vourlidas<sup>3</sup>, Jackie A. Davies<sup>4</sup>, Robert P. Lin<sup>1,5</sup>, and Stuart D. Bale<sup>1</sup>

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## **Numerical Study of Two Injection Methods for the 2007 November 15 Coronal Mass Ejection in the Inner Heliosphere**

Man **Zhang**<sup>1</sup>, Xueshang Feng<sup>1,2</sup>, Fang Shen<sup>1,2</sup>, and Liping Yang<sup>1,2</sup>

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### **Forecasting the Structure and Orientation of Earthbound Coronal Mass Ejections**

E. K. J. **Kilpua** **N. Lugaz** **L. Mays** **M. Temmer**

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S. [Schreiner](#)<sup>1</sup> , C. Cattell<sup>1</sup>, K. Kersten<sup>1</sup> and A. Hupach

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## **Simulating the Formation of a Sigmoidal Flux Rope in AR10977 from SOHO/MDI Magnetograms**

G. P. S. [Gibb](#)<sup>1</sup>, D. H. Mackay<sup>1</sup>, L. M. Green<sup>2</sup>, and K. A. Meyer

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## **Relation of Microstreams in the Polar Solar Wind to Switchbacks and Coronal X-ray Jets**

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## FIRST DETERMINATION OF THE TRUE MASS OF CORONAL MASS EJECTIONS: A NOVEL APPROACH TO USING THE TWO *STEREO* VIEWPOINTS

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## Evolution of Plasma Composition in an Eruptive Flux Rope

[Deborah Baker](#) (1), [Lucie M. Green](#) (1), [David H. Brooks](#) (2), [Pascal Démoulin](#) (3), [Lidia van-Driel-Gesztelyi](#) (1, 3, 4), [Teodora Mihailescu](#) (1), [Andy S. H. To](#) (1), [David M. Long](#) (1), [Stephanie L. Yardley](#) (1), [Miho Janvier](#) (5), [Gherardo Valori](#) (6)

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## Coronal Magnetic Reconnection Driven by CME Expansion—the 2011 June 7 Event

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### **Plasma Upflows Induced by Magnetic Reconnection Above an Eruptive Flux Rope**

[Deborah Baker](#), [Teodora Mihailescu](#), [Pascal Démoulin](#), [Lucie M. Green](#), [Lidia van Driel-Gesztelyi](#), [Gherardo Valori](#), [David H. Brooks](#), [David M. Long](#) & [Miho Janvier](#)

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### **3D reconstructions of EUV wave front heights and their influence on wave kinematics**

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### **EVIDENCE OF EXPLOSIVE EVAPORATION IN A MICROFLARE OBSERVED BY HINODE/EIS**

F. [Chen](#)<sup>1,2</sup> and M. D. Ding  
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### **The dependence of the EIT wave velocity on the magnetic field strength**

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### **A NEW VIEW OF CORONAL WAVES FROM STEREO**

S. [Ma](#), M. J. Wills-Davey<sup>2</sup>, J. Lin<sup>1,2</sup>, P. F. Chen<sup>4</sup>, G. D. R. Attrill<sup>2</sup>, H. Chen<sup>5</sup>, S. Zhao<sup>1</sup>, Q. Li<sup>1</sup>, and L. Golub<sup>2</sup>  
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### **Multipoint Observations of Solar Type III Radio Bursts from STEREO and Wind**

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### **How Can Active Region Plasma Escape into the Solar Wind from Below a Closed Helmet Streamer?**

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R. [Kano](#)<sup>1</sup>, K. Ueda<sup>2</sup>, and S. Tsuneta  
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### **EMERGENCE OF HELICAL FLUX AND THE FORMATION OF AN ACTIVE REGION FILAMENT CHANNEL**

B. W. [Lites](#)<sup>1,5</sup>, M. Kubo<sup>1,5</sup>, T. Berger<sup>2</sup>, Z. Frank<sup>2</sup>, R. Shine<sup>2</sup>, T. Tarbell<sup>2</sup>, A. Title<sup>2</sup>, T. J. Okamoto<sup>3</sup>, and K. Otsuji<sup>4,6</sup>  
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## Reconciliation of Observational Challenges to the Impulsive-Piston Shock-Excitation Scenario.

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## **Tracking Solar Active Region Outflow Plasma from its Source to the near-Earth Environment**

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## **Intensity Conserving Spline Interpolation (ICSI): A New Tool for Spectroscopic Analysis**

J. A. Klimchuk, S. Patsourakos, D. Tripathi

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## **FIRST THREE-DIMENSIONAL RECONSTRUCTIONS OF CORONAL LOOPS WITH THE STEREO A+B SPACECRAFT. IV. MAGNETIC MODELING WITH TWISTED FORCE-FREE FIELDS**

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## **ARE DECAYING MAGNETIC FIELDS ABOVE ACTIVE REGIONS RELATED TO CORONAL MASS EJECTION ONSET?**

J. [Suzuki](#)<sup>1</sup>, B. T. Welsch<sup>2</sup>, and Y. Li

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## **ACTIVE REGION MOSS: DOPPLER SHIFTS FROM HINODE/EXTREME-ULTRAVIOLET IMAGING SPECTROMETER OBSERVATIONS**

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## **How Can Active Region Plasma Escape into the Solar Wind from Below a Closed Helmet Streamer?**

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### **Extreme Ultra-Violet Spectroscopy of the Flaring Solar Chromosphere**

**Review**

Ryan **Milligan**

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### **Hard X-ray Source Distributions on EUV Bright Kernels in a Solar Flare**

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### **Hinode/EIS measurements of active region magnetic fields**

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**Relation of Microstreams in the Polar Solar Wind to Switchbacks and Coronal X-ray Jets**

Marcia [Neugebauer](#), [Alphonse C. Sterling](#)

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**EVOLUTION OF A CORONAL MASS EJECTION AND ITS MAGNETIC FIELD IN INTERPLANETARY SPACE**

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S. [Schreiner](#)<sup>1</sup>, C. Cattell<sup>1</sup>, K. Kersten<sup>1</sup> and A. Hupach

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**The Interaction Between Coronal Mass Ejections and Streamers: A Statistical View over 15 Years (1996 – 2010)**

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**Electron acceleration during magnetic reconnection in macroscale systems**

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**THE HEIGHT EVOLUTION OF THE "TRUE" CORONAL MASS EJECTION MASS DERIVED FROM STEREO COR1 AND COR2 OBSERVATIONS**

B. M. [Bein](#)<sup>1</sup>, M. Temmer<sup>1</sup>, A. Vourlidas<sup>2</sup>, A. M. Veronig<sup>1</sup>, and D. Utz

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**DIAGNOSTICS ON THE SOURCE PROPERTIES OF A TYPE II RADIO BURST WITH SPECTRAL BUMPS**

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**KAPPA DISTRIBUTION MODEL FOR HARD X-RAY CORONAL SOURCES OF SOLAR FLARES**

M. **Oka**<sup>1</sup>, S. Ishikawa<sup>1,2</sup>, P. Saint-Hilaire<sup>1</sup>, S. Krucker<sup>1,3</sup>, and R. P. Lin  
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**CORONAL MASS EJECTION DYNAMICS REGARDING RADIAL AND EXPANSION SPEEDS**

Nivaor R. **Rigozo**<sup>1</sup>, Alisson Dal Lago<sup>2</sup> and D. J. R. Nordeman

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**On the influence of CMEs on the global 3-D coronal electron density**

M. **Kramar**<sup>1,2</sup>, J. Davila<sup>2</sup>, H. Xie<sup>1,2</sup>, and S. Antiochos

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Marian **Karlický**<sup>1</sup> and Miroslav Bárta

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## **EVIDENCE FOR INTERNAL TETHER-CUTTING IN A FLARE/CORONAL MASS EJECTION OBSERVED BY MESSENGER, RHESSI, AND STEREO**

Claire L. [Raftery](#)<sup>1</sup>, Peter T. Gallagher, R. T. James McAteer, Chia-Hsien Lin<sup>2</sup> and Gareth Delahunt  
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## **Investigating the driving mechanisms of coronal mass ejections**

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## **THREE-DIMENSIONAL POLARIMETRIC CORONAL MASS EJECTION LOCALIZATION TESTED THROUGH TRIANGULATION**

Thomas G. [Moran](#)<sup>1,2</sup>, Joseph M. Davila<sup>3</sup>, and William T. Thompson<sup>4</sup>  
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[Y. Dai](#)<sup>1,2</sup>, [F. Auchère](#)<sup>1</sup>, [J.-C. Vial](#)<sup>1</sup>, [Y. H. Tang](#)<sup>2</sup> and [W. G. Zong](#)<sup>3</sup>  
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## **Numerical Heliospheric Simulations as Assisting Tool for Interpretation of Observations by STEREO Heliospheric Imagers**

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Robin C. [Colaninno](#) and Angelos Vourlidas<sup>2</sup>



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Ying **Liu**<sup>1</sup>, Janet G. Luhmann<sup>1</sup>, Robert P. Lin<sup>1</sup>, Stuart D. Bale<sup>1</sup>, Angelos Vourlidas<sup>2</sup>, and Gordon J. D. Petrie<sup>3</sup>

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**First Measurements of the Mass of Coronal Mass Ejections from the EUV Dimming Observed with STEREO EUVI A+B Spacecraft**

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**Krucker**, S.1; Wuelser, J.-P.2; Vourlidas, A.3; Davila, J.4; Thompson, W.T.4; White, S.5; Lin, R.P.1  
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**Relation between CME Acceleration Profile and Flare Energy Release derived from Combined STEREO and RHESSI Observations**

**Temmer**, M.1; Veronig, A.M.1; Vrsnak, B.2

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