

See <https://www.spaceweather.com> <https://www.solarmonitor.org>

See STEREO sites: CME Catalog <http://cor1.gsfc.nasa.gov/catalog/>

EUVI flares http://www.lmsal.com/nitta/movies/flares_euvi/

20 interplanetary coronal mass ejections (ICMEs) observed in 2009

Solar Sources of Interplanetary Coronal Mass Ejections During the Solar Cycle 23/24 Minimum

E. K. J. [Kilpua](#), M. Mierla, A. N. Zhukov, L. Rodriguez, A. Vourlidas, B. Wood
Solar Phys., **2014**

Table 2. Coronal waves observed by EUVI during March 2007 –December 2009

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.

Dec 2008 – Feb 2009

Is There a CME Rate Floor? CME and Magnetic Flux Values for the Last Four Solar Cycle Minima

D. F. [Webb](#)1, R. A. Howard2, O. C. St. Cyr3, and A. Vourlidas4
2017 ApJ 851 142
<http://sci-hub.tw/10.3847/1538-4357/aa9b81>

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Automatic Detection of Interplanetary Coronal Mass Ejections in Solar Wind In Situ Data

Hannah T. [Rüdisser](#), [Andreas Windisch](#), [Ute V. Amerstorfer](#), [Christian Möstl](#), [Tanja Amerstorfer](#), [Rachel L. Bailey](#), [Martin A. Reiss](#)

Space Weather **2022**
<https://arxiv.org/pdf/2205.03578.pdf>

7 Jan 2009

STATISTICAL STUDY OF CORONAL MASS EJECTIONS WITH AND WITHOUT DISTINCT LOW CORONAL SIGNATURES

S. [Ma](#)1,2,3, G. D. R. Attrill1, L. Golub1, and J. Lin2
Astrophysical Journal, 722:289–301, **2010**, [File](#)

7-12 Jan

INNER HELIOSPHERIC FLUX ROPE EVOLUTION VIA IMAGING OF CORONAL MASS EJECTIONS

T. A. [Howard](#) and C. E. DeForest
2012 ApJ 746 64, [File](#)

8 Jan 2009

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STATISTICAL STUDY OF CORONAL MASS EJECTIONS WITH AND WITHOUT DISTINCT

LOW CORONAL SIGNATURES

S. Ma^{1,2,3}, G. D. R. Attrill¹, L. Golub¹, and J. Lin²

Astrophysical Journal, 722:289–301, 2010, File

9 Jan 2009

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

10 Jan

WHITE-LIGHT OBSERVATIONS OF SOLAR WIND TRANSIENTS AND COMPARISON WITH AUXILIARY DATA SETS

T. A. Howard¹, C. E. DeForest¹, and A. A. Reinard

2012 ApJ 754 102

11 Jan

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

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12-14 Jan

WHITE-LIGHT OBSERVATIONS OF SOLAR WIND TRANSIENTS AND COMPARISON WITH AUXILIARY DATA SETS

T. A. Howard¹, C. E. DeForest¹, and A. A. Reinard

2012 ApJ 754 102

14 Jan 2009

Automated detection of coronal mass ejections in three-dimensions using multi-viewpoint observations

J. Hutton and H. Morgan

A&A 599, A68 (2017)

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STATISTICAL STUDY OF CORONAL MASS EJECTIONS WITH AND WITHOUT DISTINCT LOW CORONAL SIGNATURES

S. Ma^{1,2,3}, G. D. R. Attrill¹, L. Golub¹, and J. Lin²

Astrophysical Journal, 722:289–301, 2010, File

Table 2
List of CMEs with Observed LCSs on the Disk

Nr	Limb (or Mid)							Disk (or Mid)							LCS	
	Note	Date	t0	pa	da	v	SC	Note	Date	t0	pa	da	v	SC		
1	**	2009 Jan 4	18:07	270	10	217	B								A	Post-eruptive arcade
2	**	2009 Jan 14	05:07	86	50	324	A	c	2009 Jan 14	10:07	270	40	227	B	Filament eruption, brightening	
3	*	2009 Jan 17	05:07	260	10	239	B								A	Sigmoid eruption
4	*	2009 Jan 21	17:52	267	52	277	B								A	Brightening
5		2009 Jan 27	06:37	270	10	729	B								A	Filament eruption
6	c	2009 Jan 29	05:07	93	10	397	A mid								B mid	Filament eruption
7		2009 Feb 11	00:37	95	56	320	A								B	Coronal wave, dimming, flare
8	a	2009 Feb 12	18:07	83	10	450	A								B	Coronal wave, dimming, flare
9		2009 Feb 13	06:37	89	44	328	A								B	Coronal wave, dimming, flare
10	*c	2009 Feb 18	06:37	73	42	231	A	c	2009 Feb 18	16:07	4	160	178	B	Brightening	
11	**	2009 Feb 27	18:38	276	14	248	B								A	Coronal wave, dimming
12		2009 Mar 2	22:07	84	30	431	A								B	Filament eruption
13	c	2009 Mar 10	08:07	240	53	211	B								A	Faint brightening
14	**c	2009 Mar 17	14:07	78	49	158	A	c	2009 Mar 18	08:37	305	42	192	B	Filament eruption	
15	**	2009 May 30	23:07	84	30	188	A								B	Filament eruption
16		2009 Jun 3	03:08	268	34	403	B mid								A mid	Filament eruption, brightening
17	*	2009 Jun 16	03:07	96	38	205	A								B	Filament eruption
18	**	2009 Jun 23	11:37	96	18	233	A								B	Filament eruption
19	**	2009 Jun 27	21:08	260	22	211	B								A	Coronal wave, dimming
20	*	2009 Jul 2	23:38	269	32	337	B mid	c	2009 Jul 3	00:37	116	12	263	A mid	Filament eruption	
21		2009 Jul 26	12:37	77	36	446	A								B	Brightening
22		2009 Jul 28	17:37	101	8	735	A								B	Filament eruption
23	**	2009 Aug 4	18:37	107	64	347	A mid		2009 Aug 4	13:38	260	46	290	B mid	Filament eruption	

Notes. The column "LCS" contains the low coronal disk signatures that have been identified in the EUVI images. See Table 1 for detailed descriptions of other columns.

18 Jan

Multi-viewpoint Coronal Mass Ejection Catalog Based on STEREO COR2 Observations

Angelos Vourlidas^{1,4}, Laura A. Balmaceda^{2,5,6}, Guillermo Stenborg³, and Alisson Dal Lago²

2017 ApJ 838 141 File

<http://sci-hub.cc/10.3847/1538-4357/aa67f0>

21 Jan

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Angelos Vourlidas^{1,4}, Laura A. Balmaceda^{2,5,6}, Guillermo Stenborg³, and Alisson Dal Lago²

2017 ApJ 838 141 File

<http://sci-hub.cc/10.3847/1538-4357/aa67f0>

22 Jan 2009

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

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24 Jan 2009

The Temperature-Dependent Nature of Coronal Dimmings

Eva Robbrecht and Yi-Ming Wang

E-print 2 Aug 2010, File; ApJL

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; Astronomy & Astrophysics, Volume 531, id.A42, 2011

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10 Feb

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

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12 Feb 2009

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

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Solar Phys., 2014

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

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; *Astronomy & Astrophysics*, Volume 531, id.A42, 2011

13 Feb 2009 – 05:25 SB – четкая корональная волна

http://www.lmsal.com/nitta/movies/flares_euv/20090213_05/195b_fd/B_20090213_05_195_FD_j.html

[05:35 B2.3 1012 S06E46](http://www.lmsal.com/nitta/movies/flares_euv/20090213_05/195b_fd/B_20090213_05_195_FD_j.html)

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Optimization of Magnetic Flux Ropes Modeled with the RBSL method

V. S. Titov, C. Downs, T. Török, J. A. Linker, R. M. Caplan, R. Lionello

ApJS 2021

<https://arxiv.org/pdf/2106.02789.pdf>

Validation of Global EUV Wave MHD Simulations and Observational Techniques

Cooper **Downs**1, Alexander Warmuth2, David M. Long3, D. Shaun Bloomfield4, Ryun-Young Kwon5, Astrid M. Veronig6,7, Angelos Vourlidas8, and Bojan Vršnak9

2021 *ApJ* 911 118

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The origin, early evolution and predictability of solar eruptions

Review

Lucie **Green**, Tibor Torok, Bojan Vrsnak, Ward Manchester IV, Astrid Veronig

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Viacheslav S. [Titov](#), [Cooper Downs](#), [Zoran Mikić](#), [Tibor Török](#), [Jon A. Linker](#), [Ronald M. Caplan](#)
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Nicole [Muhr](#), Astrid Maria Veronig, Ines Waltraud Kienreich, Bojan Vrsnak, Manuela Temmer, Bianca Maria Bein
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Connecting speeds, directions and arrival times of 22 coronal mass ejections from the Sun to 1 AU

C. [Möstl](#), K. Amla, J. R. Hall, P. C. Liewer, E. M. De Jong, R. C. Colaninno, A. M. Veronig, T. Rollett, M. Temmer, V. Peinhart, J. A. Davies, N. Lugaz, Y. D. Liu, C.J. Farrugia, J. G. Luhmann, B. Vršnak, R. A. Harrison, A. B. Galvin
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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.

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

Spiros [Patsourakos](#) 1 – Angelos Vourlidas
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Coronal Dimmings and the Early Phase of a CME Observed with STEREO and Hinode/EIS

C. [Miklenic](#), A. M. Veronig, M. Temmer, C. Möstl and H. K. Biernat
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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
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Arrival time calculation for interplanetary coronal mass ejections with circular fronts and application to STEREO observations of the 2009 February 13 eruption
C. [Moestl](#), T. Rollett, N. Lugaz, C. J. Farrugia, J. A. Davies, M. Temmer, A. M. Veronig, R. Harrison, S. Crothers, J. G. Luhmann, A. B. Galvin, T. L. Zhang, W. Baumjohann, H. K. Biernat
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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
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[Long](#), D. M., Gallagher, P. T., McAteer, R. T. J., & Bloomfield, D. S.
E-print, April, 2011; Astronomy & Astrophysics, Volume 531, id.A42, **2011**

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A.N. [Zhukov](#)
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CORONAL SEISMOLOGY USING EIT WAVES: ESTIMATION OF THE CORONAL MAGNETIC FIELD STRENGTH IN THE QUIET SUN
M.J. [West](#), A. N. Zhukov, L. Dolla, and L. Rodriguez
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NUMERICAL SIMULATION OF AN EUV CORONAL WAVE BASED ON THE FEBRUARY 13, 2009 CME EVENT OBSERVED BY STEREO
Ofer [Cohen](#)¹, Gemma D. R. Attrill¹, Ward B. Manchester IV² and Meredith J. Wills-Davey¹
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Spiros [Patsourakos](#), Angelos Vourlidas
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13-18 Feb 2009

Constraining the Kinematics of Coronal Mass Ejections in the Inner Heliosphere with In-Situ Signatures
T. [Rollett](#), C. Möstl, M. Temmer, A. M. Veronig, C. J. Farrugia and H. K. Biernat
Solar Physics, Volume 276, Numbers 1-2, 293-314, **2012**

INFLUENCE OF THE AMBIENT SOLAR WIND FLOW ON THE PROPAGATION BEHAVIOR OF INTERPLANETARY CORONAL MASS EJECTIONS

Manuela Temmer¹, Tanja Rollett^{1,2}, Christian Möstl^{1,2}, Astrid M. Veronig¹, Bojan Vršnak³ and Dusan Odstrčil
2011 ApJ 743 101, File

18 Feb 2009

STATISTICAL STUDY OF CORONAL MASS EJECTIONS WITH AND WITHOUT DISTINCT LOW CORONAL SIGNATURES

S. Ma^{1,2,3}, G. D. R. Attrill¹, L. Golub¹, and J. Lin²
Astrophysical Journal, 722:289–301, **2010, File**

24-25 Feb

SPECTROSCOPIC SIGNATURE OF ALFVÉN WAVES DAMPING IN A POLAR CORONAL HOLE UP TO 0.4 SOLAR RADII

A. Bemporad and L. Abbo
2012 ApJ 751 110

27 Feb

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>

9 March-5 Apr

Comparative Study of the Three-Dimensional Thermodynamical Structure of the Inner Corona of Solar Minimum Carrington Rotations 1915 and 2081

Diego G. Lloveras, Alberto M. Vásquez, Federico A. Nuevo, Richard A. Frazin
Solar Physics October **2017**, 292:153
<https://link.springer.com/content/pdf/10.1007%2Fs11207-017-1179-z.pdf>

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Heliospheric Evolution of Magnetic Clouds

Bojan Vršnak, Tanja Amerstorfer, Mateja Dumbović, Martin Leitner, Astrid M. Veronig, Manuela Temmer, Christian Möstl, Ute V. Amerstorfer, Charles J. Farrugia, Antoinette B. Galvin
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Estimating satellite orbital drag during historical magnetic superstorms

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15-29 March

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Didier Vibert, Christelle Peillon, Philippe Lamy, Richard A. Frazin, Julien Wojak
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Nancy [Narang](#), [Dipankar Banerjee](#), [Kalugodu Chandrashekhar](#), [Vaibhav Pant](#)

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Chin-Chun [Wu](#), [Kan Liou](#), [Simon Plunkett](#), [Dennis Socker](#), [Y.M. Wang](#), [Brian Wood](#), [S. T. Wu](#), [Murray Dryer](#), [Christopher Kung](#)

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8 Apr

BREAKOUT RECONNECTION OBSERVED BY THE TESIS EUV TELESCOPE

A. A. [Reva](#), A. S. Ulyanov, S. V. Shestov, and S. V. Kuzin

2016 ApJ 816 90

11 Apr

The Coronal Mass Ejection Visibility Function of Modern Coronagraphs

[Angelos Vourlidas](#), [L. A. Balmaceda](#), [H. Xie](#), [O. C. St. Cyr](#)

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A. A. [Reva](#), A. S. Ulyanov, S. V. Shestov, and S. V. Kuzin

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ДЛИТЕЛЬНЫЙ НАГРЕВ ПЛАЗМЫ В СОЛНЕЧНЫХ МИКРОСПЫШКАХ РЕНТГЕНОВСКОГО КЛАССА А1.0 И НИЖЕ

КИРИЧЕНКО А. С.1, БОГАЧЕВ С. А.

Письма в АЖ, т.39, №11, стр. 884, 2013

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P. [Jelínek](#), A.K. Srivastava, K. Murawski, P. Kayshap, B.N. Dwivedi

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23 Apr

Observations of the Coronal Mass Ejection with a Complex Acceleration Profile

A.A [Reva](#), [A.S. Kirichenko](#), [A.S. Ulyanov](#), [S.V. Kuzin](#)

2017 ApJ 851 108

<https://arxiv.org/pdf/1712.06430.pdf>

26 Apr

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
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29 Apr

Association of 3He-Rich Solar Energetic Particles with Large-Scale Coronal Waves
Radoslav **Bucik**, Davina E. Innes, Glenn M. Mason, Mark E. Wiedenbeck
2016
<http://arxiv.org/pdf/1609.05346v1.pdf>

OBSERVATIONS OF SOLAR ENERGETIC PARTICLES FROM 3He-RICH EVENTS OVER A WIDE RANGE OF HELIOGRAPHIC LONGITUDE

M. E. **Wiedenbeck**¹, G. M. Mason², C. M. S. Cohen³, N. V. Nitta⁴, R. Gómez-Herrero^{5,6}, and D. K. Haggerty
2013 ApJ 762 54

1 May

Extracting inner-heliosphere solar wind speed information from Heliospheric Imager observations

L.A. **Barnard**, M.J. Owens, C.J. Scott , S.R. Jones
Space Weather 2019
sci-hub.se/10.1029/2019SW002226

2 May

Statistical Survey of Type III Radio Bursts at Long Wavelengths Observed by the Solar TERrestrial RElations Observatory (STEREO)/Waves Instruments: Goniopolarimetric Properties and Radio Source Locations

Vratislav **Krupar**, Milan Maksimovic, Ondrej Santolik, Baptiste Cecconi, Oksana Kruparova
2014
<http://arxiv.org/pdf/1410.6135v1.pdf>

5 May 2009 - ~ 08:17 **Type II at our spectrum**

NASA's STEREO-B spacecraft is monitoring an active region hidden behind the sun's eastern limb. On May 5th, it produced an impressive coronal mass ejection (CME) and a burst of radio emissions signalling the passage of a shock wave through the sun's outer atmosphere. Activity has continued apace today, May 6th, with at least two more eruptions.

http://cdaw.gsfc.nasa.gov/stereo/event_movies/cor1eu171rd_waves.html

The dynamics of eruptive prominences

Review

Nat **Gopalswamy**
Solar Prominences, edited by J.-C. Vial & O. Engvold, Springer, in press (2014), Chapter 15, File
<http://arxiv.org/pdf/1407.2594v1.pdf>

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STATISTICAL STUDY OF CORONAL MASS EJECTIONS WITH AND WITHOUT DISTINCT LOW CORONAL SIGNATURES

S. **Ma**^{1,2,3}, G. D. R. Attrill¹, L. Golub¹, and J. Lin²
Astrophysical Journal, 722:289–301, 2010, File

9 May 2009

Observational Tracking of the 2D Structure of Coronal Mass Ejections Between the Sun and 1 AU

N. P. **Savani**, J. A. Davies, C. J. Davis, D. Shiota, A. P. Rouillard, M. J. Owens, K. Kusano, V. Bothmer, S. P. Bamford and C. J. Lintott, et al.
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<http://arxiv.org/pdf/1503.08774v1.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**

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НАБЛЮДЕНИЯ КОРОНАЛЬНОГО ВЫБРОСА МАСС С ПОМОЩЬЮ ВУФ ТЕЛЕСКОПОВ ТЕСИС

А.А. **Рева**, А.С. Ульянов, С.А. Богачев, С.В. Кузин
ИКИ-2014, Сессия: Солнце
<http://plasma2014.cosmos.ru/presentations>

13 May 2009

Initiation and Early Evolution of the Coronal Mass Ejection on 2009 May 13 from Extreme-ultraviolet and White-light Observations

A. A. **Reva**, A. S. Ulyanov, S. A. Bogachev, and S. V. Kuzin
2014 ApJ 793 140

НАБЛЮДЕНИЯ КОРОНАЛЬНОГО ВЫБРОСА МАСС С ПОМОЩЬЮ ВУФ ТЕЛЕСКОПОВ ТЕСИС

А.А. **Рева**, А.С. Ульянов, С.А. Богачев, С.В. Кузин
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Beili [Ying](#)1, Alessandro Bemporad2,1, Li Feng1,3, Nariaki V. Nitta4, and Weiqun Gan1,3

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OBSERVATIONS OF SOLAR ENERGETIC PARTICLES FROM 3He-RICH EVENTS OVER A WIDE RANGE OF HELIOGRAPHIC LONGITUDE
M. E. Wiedenbeck¹, G. M. Mason², C. M. S. Cohen³, N. V. Nitta⁴, R. Gómez-Herrero^{5,6}, and D. K. Haggerty
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Study of the propagation, in situ signatures, and geoeffectiveness of shear-induced coronal mass ejections in different solar winds

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D.-C. **Talpeanu** 1,2, E. Chané1, S. Poedts1,3, E. D'Huys2, M. Mierla2,4, I. Roussev5,1 and S. Hosteaux1
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Quiescent and Eruptive Prominences at Solar Minimum: A Statistical Study via an Automated Tracking System

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Three-Dimensional Evolution of Flux-Rope CMEs and Its Relation to the Local Orientation of the Heliospheric Current Sheet

A. **Isavnin**, A. Vourlidas, E. K. J. Kilpua

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Olga **Panasenco**, Sara F. Martin, Marco Velli, Angelos Vourlidas

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Sanjay **Gosain**¹, Brigitte Schmieder², Guy Artzner³, Sergei Bogachev⁴, and Tibor Török
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Brigitte **Schmieder**, , Guillaume Aulanier

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17 Oct

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17-21 Oct

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L. **Rodriguez** , C. Scolini, M. Mierla , A. N. Zhukov , M. J. West

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The almost monoenergetic ion event on 19 October 2009: SEPT/STEREO observations

A. [Klassen](#)¹, R. Gómez-Herrero¹, R. Müller-Mellin¹, B. Heber¹, R. F. Wimmer-Schweingruber¹, A. Opitz² and J.-A. Sauvaud²
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24-27 Oct A new sunspot numbered 1029 is emerging in the sun's northern hemisphere.

Sunspot 1029 emerged this weekend, and it is crackling with [B- and C-class](#) solar flares.

The Free Energy of NOAA Solar Active Region AR 11029

S. A. [Gilchrist](#), M. S. Wheatland and K. D. Leka

Solar Physics, Volume 276, Numbers 1-2, 133-160, **2012**

25 Oct

IMPULSIVE ACCELERATION OF CORONAL MASS EJECTIONS. II. RELATION TO SOFT X-RAY FLARES AND FILAMENT ERUPTIONS

B. M. Bein¹, S. Berkebile-Stoiser¹, A. M. Veronig¹, M. Temmer¹, and B. Vršnak
2012 ApJ 755 44, [File](#)

26 Oct

~12 UT: небольшая эruption с корональной волной видна на STEREO A&B

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>

27 Oct

Stealth Coronal Mass Ejections from Active Regions

Jennifer [O'kane](#), [Lucie Green](#), [David M. Long](#), [Hamish Reid](#)

ApJ **2019**

<https://arxiv.org/pdf/1907.12820.pdf>

A STEREO Survey of Magnetic Cloud Coronal Mass Ejections Observed at Earth in 2008-2012

Brian E. [Wood](#), Chin-Chun Wu, Ronald P. Lepping, [Teresa Nieves-Chinchilla](#), [Russell A. Howard](#), [Mark G. Linton](#), [Dennis G. Socker](#)

Astrophysical Journal Supplement **2017** [File](#)

<https://arxiv.org/pdf/1701.01682v1.pdf>

29 Oct

http://solar.gmu.edu/heliophysics/index.php/The_ISEST_Event_List

ПРОГНОЗ ИНТЕНСИВНОСТИ ГЕОМАГНИТНЫХ БУРЬ, ВЫЗВАННЫХ МАГНИТНЫМИ ОБЛАКАМИ СОЛНЕЧНОГО ВЕТРА С УЧЕТОМ СЕЗОНА ГОДА И ИХ НАЧАЛЬНОЙ ОРИЕНТАЦИИ

Н.А. **Бархатов**, Е. А. Ревунова, А.Б. Виноградов

ИКИ-2014 Сессия: Солнечный ветер, гелиосфера и солнечно-земные связи

<http://plasma2014.cosmos.ru/presentations>

31 Oct

AUTOMATIC RECOGNITION OF CORONAL TYPE II RADIO BURSTS: THE AUTOMATED RADIO BURST IDENTIFICATION SYSTEM METHOD AND FIRST OBSERVATIONS

Vasili V. **Lobzin**¹, Iver H. Cairns¹, Peter A. Robinson¹, Graham Steward², and Garth Patterson²
Astrophysical Journal Letters, 710:L58–L62, 2010 February, [File](#)

1-3 Nov

STEREO Observations of Interplanetary Coronal Mass Ejections in 2007–2016

L. K. **Jian**^{1,2}, C. T. Russell^{3,4}, J. G. Luhmann⁵, and A. B. Galvin^{6,7}

2018 ApJ 855 114

<http://sci-hub.tw/http://iopscience.iop.org/0004-637X/855/2/114/>

3 Nov

Statistical survey of widely spread out solar electron events observed with STEREO and ACE with special attention to anisotropies

N. **Dresing**, R. Gómez-Herrero, B. Heber, A. Klassen, O. Malandraki, W. Dröge, and Y. Kartavykh
E-print, July 2014; A&A, Volume 567, A27, July **2014**; [File](#)

OBSERVATIONS OF SOLAR ENERGETIC PARTICLES FROM ^3He -RICH EVENTS OVER A WIDE RANGE OF HELIOGRAPHIC LONGITUDE

M. E. **Wiedenbeck**¹, G. M. Mason², C. M. S. Cohen³, N. V. Nitta⁴, R. Gómez-Herrero^{5,6}, and D. K. Haggerty
2013 ApJ 762 54

8 Nov

The dynamics of eruptive prominences

Review

Nat **Gopalswamy**

Solar Prominences, edited by J.-C. Vial & O. Engvold, Springer, in press (**2014**), Chapter 15, [File](#)
<http://arxiv.org/pdf/1407.2594v1.pdf>

8-10 Nov

Faraday rotation fluctuations of MESSENGER radio signals through the equatorial lower corona near solar minimum

D. B. **Wexler**, E. A. Jensen, J. V. Hollweg, C. Heiles, A. I. Efimov, J. Vierinen, A. J. Coster
Space Weather Volume 15, Issue 2 February **2017** Pages 310–324

10 Nov

Radio Occultation Observations of the Solar Corona Over 1.60–1.86 R \odot : Faraday Rotation and Frequency Shift Analysis

David. B. **Wexler**, Joseph V. Hollweg, Anatoli I. Efimov, Paul Song, Elizabeth A. Jensen, Roberto Lionello, Juha Vierinen, Anthea J. Coster

JGR Volume 124, Issue 10 Pages: 7761-7777 **2019**

<https://doi.org/10.1029/2019JA026937>

14 Nov

http://solar.gmu.edu/heliophysics/index.php/The_IEST_Event_List

14-26 Nov

IS ACTIVE REGION CORE VARIABILITY AGE DEPENDENT?

Ignacio [Ugarte-Urra](#)1 and Harry P. Warren

2012 ApJ 761 21

15 Nov

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>

18 Nov

EVIDENCE OF FILAMENT UPFLOWS ORIGINATING FROM INTENSITY OSCILLATIONS ON THE SOLAR SURFACE

Wenda [Cao](#)1,2, Zongjun Ning^{2,3}, Philip R. Goode^{1,2}, Vasyl Yurchyshyn², and Haisheng Ji³

Astrophysical Journal Letters, 719:L95–L98, 2010

21 Nov

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](#)

26 Nov

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>

4 Dec

Heliospheric Observations of STEREO-Directed Coronal Mass Ejections in 2008 – 2010: Lessons for Future Observations of Earth-Directed CMEs

N. [Lugaz](#), P. Kintner, C. Möstl, L. K. Jian, C. J. Davis and C. J. Farrugia

Solar Physics, 2012, DOI: 10.1007/s11207-012-0007-8

6 Dec

A STEREO Survey of Magnetic Cloud Coronal Mass Ejections Observed at Earth in 2008-2012

Brian E. [Wood](#), Chin-Chun Wu, Ronald P. Lepping, [Teresa Nieves-Chinchilla](#), Russell A. Howard, [Mark G. Linton](#), [Dennis G. Socker](#)

Astrophysical Journal Supplement [2017 File](#)

<https://arxiv.org/pdf/1701.01682v1.pdf>

7-11 Dec

CORRELATION OF CORONAL PLASMA PROPERTIES AND SOLAR MAGNETIC FIELD IN A DECAYING ACTIVE REGION

Yuan-Kuen [Ko](#)1, Peter R. Young^{2,3}, Karin Muglach^{4,5}, Harry P. Warren¹, and Ignacio Ugarte-Urra¹

2016 ApJ 826 126

13 Dec

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>

14-20 Dec

Differences between the CME fronts tracked by an expert, an automated algorithm, and the Solar Stormwatch project

L. **Barnard**, C. J. Scott, M. Owens, M. Lockwood, S. R. Crothers, J. A. Davies and R. A. Harrison
Space Weather 13(10) (pages 709–725) 2015
<http://onlinelibrary.wiley.com/doi/10.1002/2015SW001280/epdf>

16 Dec – 01:31 – C5.3 **пересвет** A=32*2/310=0,21 <--**16 s; 8 s** →L/Rs=0.103
01:31 B=27*2/285=0,19
13:13 – C3.7 **пересвет** A=25*2/310=0,16 <--**16 s; 8 s** →L/Rs=0.081
22:00 – C1.4 **пересвет** A=25*2/310=0,16 <--**16 s; 8 s** →L/Rs=0.081

16 Dec

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

B. M. **Bein**1, M. Temmer1, A. Vourlidas2, A. M. Veronig1, and D. Utz
2013 ApJ 768 31; File

ACCELERATION OF CORONAL MASS EJECTIONS FROM THREE-DIMENSIONAL RECONSTRUCTION OF STEREO IMAGES

Anand D. **Joshi** and Nandita Srivastava
2011 ApJ 739 8, File

17 Dec

Multi-wavelength study of a delta-spot I: A region of very strong, horizontal magnetic field
Sarah A. **Jaeggli**

ApJ 2016

<http://arxiv.org/pdf/1512.08463v1.pdf>

The Persistence of Apparent Non-Magnetostatic Equilibrium in NOAA 11035

Sarah A. **Jaeggli**

Proceedings of IAU Symposium 305: Polarimetry: From the Sun to Stars and Stellar Environments, 2015
<http://arxiv.org/pdf/1504.01325v1.pdf>

18 Dec – 18:56 – C7.6 **пересвет** A=30*2/311=0,19 <--**16 s; 8 s** →L/Rs=0.096

19 Dec – 00:18 – C2.9 **пересвет** A=14*2/311= 0,09 <--**16 s; 8 s** →L/Rs=0.045

22 Dec – 04:56 – C7.2 **пересвет** A=38*2/311=0,24 <--**16 s; 8 s** →L/Rs=0.122

22 Dec

Kinematical evolution of large-scale EUV waves in the solar corona

G. **Mann**, A. Warmuth and H. Önel

A&A 675, A129 (2023)

<https://www.aanda.org/articles/aa/pdf/2023/07/aa46378-23.pdf>

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>

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>

Three-dimensional Reconstruction of Coronal Mass Ejections by CORAR Technique through Different Stereoscopic Angle of STEREO Twin Spacecraft

Shaoyu Lyu, Yuming Wang, Xiaolei Li, Jingnan Guo, Chuanbing Wang, Quanhao Zhang

2021

<https://arxiv.org/ftp/arxiv/papers/2101/2101.03276.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>

IMPULSIVE ACCELERATION OF CORONAL MASS EJECTIONS. II. RELATION TO SOFT X-RAY FLARES AND FILAMENT ERUPTIONS

B. M. Bein1, S. Berkebile-Stoiser1, A. M. Veronig1, M. Temmer1, and B. Vršnak

2012 ApJ 755 44, File

23 Dec – 10:21 – C6.4 **пепечет** $A=33*2/311=0,21$ <--**16 s**; **8 s** → $L/R_s=0.106$

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>

31 Dec

Statistical Analysis of Asymmetric Sunspot Decay Observed by Hinode

Shinsuke Imada, Shota Kato & Masashi Fujiyama

Solar Physics volume 295, Article number: 154 (2020)

<https://link.springer.com/content/pdf/10.1007/s11207-020-01724-x.pdf>