

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>

2 Jan 2009

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

Hannah T. [Rüdiger](#), [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
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STATISTICAL STUDY OF CORONAL MASS EJECTIONS WITH AND WITHOUT DISTINCT

LOW CORONAL SIGNATURES

S. [Ma1,2,3](#), 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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<http://arxiv.org/pdf/1411.2229v1.pdf>

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)

<http://www.aanda.org/articles/aa/pdf/2017/03/aa29516-16.pdf>

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

S. [Ma1,2,3](#), 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	<i>B</i>							<i>A</i>	Post-eruptive arcade
2	**	2009 Jan 14	05:07	86	50	324	<i>A</i>	c	2009 Jan 14	10:07	270	40	227	<i>B</i>	Filament eruption, brightening
3	*	2009 Jan 17	05:07	260	10	239	<i>B</i>							<i>A</i>	Sigmoid eruption
4	*	2009 Jan 21	17:52	267	52	277	<i>B</i>							<i>A</i>	Brightening
5		2009 Jan 27	06:37	270	10	729	<i>B</i>							<i>A</i>	Filament eruption
6	c	2009 Jan 29	05:07	93	10	397	<i>A mid</i>							<i>B mid</i>	Filament eruption
7		2009 Feb 11	00:37	95	56	320	<i>A</i>							<i>B</i>	Coronal wave, dimming, flare
8	a	2009 Feb 12	18:07	83	10	450	<i>A</i>							<i>B</i>	Coronal wave, dimming, flare
9		2009 Feb 13	06:37	89	44	328	<i>A</i>							<i>B</i>	Coronal wave, dimming, flare
10	*c	2009 Feb 18	06:37	73	42	231	<i>A</i>	c	2009 Feb 18	16:07	4	160	178	<i>B</i>	Brightening
11	**	2009 Feb 27	18:38	276	14	248	<i>B</i>							<i>A</i>	Coronal wave, dimming
12		2009 Mar 2	22:07	84	30	431	<i>A</i>							<i>B</i>	Filament eruption
13	c	2009 Mar 10	08:07	240	53	211	<i>B</i>							<i>A</i>	Faint brightening
14	**c	2009 Mar 17	14:07	78	49	158	<i>A</i>	c	2009 Mar 18	08:37	305	42	192	<i>B</i>	Filament eruption
15	**	2009 May 30	23:07	84	30	188	<i>A</i>							<i>B</i>	Filament eruption
16		2009 Jun 3	03:08	268	34	403	<i>B mid</i>							<i>A mid</i>	Filament eruption, brightening
17	*	2009 Jun 16	03:07	96	38	205	<i>A</i>							<i>B</i>	Filament eruption
18	**	2009 Jun 23	11:37	96	18	233	<i>A</i>							<i>B</i>	Filament eruption
19	**	2009 Jun 27	21:08	260	22	211	<i>B</i>							<i>A</i>	Coronal wave, dimming
20	*	2009 Jul 2	23:38	269	32	337	<i>B mid</i>	c	2009 Jul 3	00:37	116	12	263	<i>A mid</i>	Filament eruption
21		2009 Jul 26	12:37	77	36	446	<i>A</i>							<i>B</i>	Brightening
22		2009 Jul 28	17:37	101	8	735	<i>A</i>							<i>B</i>	Filament eruption
23	**	2009 Aug 4	18:37	107	64	347	<i>A mid</i>		2009 Aug 4	13:38	260	46	290	<i>B mid</i>	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 [Vourlidis](#)^{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

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

Angelos [Vourlidis](#)^{1,4}, Laura A. Balmaceda^{2,5,6}, Guillermo Stenborg³, and Alisson Dal Lago²

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N. [Lugaz](#)

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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

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

12 Feb 2009

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>

Deceleration and dispersion of large-scale coronal bright fronts

Long, D. M., Gallagher, P. T., McAteer, R. T. J., & Bloomfield, D. S.

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

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Optimization of Magnetic Flux Ropes Modeled with the RBSL method

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ApJS 2021

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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. Veronig^{6,7}, 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**

Space Science Reviews 2018

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Regularized Biot-Savart Laws for Modeling Magnetic Flux Ropes

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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[Nitta](#), N. V., Aschwanden, A. M., Freeland, S. L., Lemen, J. R., Wuelser, J.-P., Zarro, D. M.
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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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N. [Muhr](#), A.M. Veronig, I.W. Kienreich, M. Temmer, B. Vrsnak

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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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Deceleration and dispersion of large-scale coronal bright fronts

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A.N. [Zhukov](#)
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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](#)

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
ApJ, 2009; [File](#)

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I.W. [Kienreich](#), M. Temmer, and A.M. Veronig
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Comparison of the wave kinematics with the early phase of the erupting CME structure indicates that the wave is initiated by the CME lateral expansion, and then propagates freely with a velocity close to the fast magnetosonic speed in the quiet solar corona.

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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 [Temmer](#)¹, 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

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27 Feb

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

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

Solar Phys., 2014

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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

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10-12 March

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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Denny M. [Oliveira](#), [Eftyhia Zesta](#), [Hisashi Hayakawa](#), [Ankush Bhaskar](#)

Space Weather 2020

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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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17 Apr

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19 Apr

ДЛИТЕЛЬНЫЙ НАГРЕВ ПЛАЗМЫ В СОЛНЕЧНЫХ МИКРОВСПЫШКАХ 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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A&A **2015**

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

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

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.
Solar Physics, Volume 279, Number 2 (2012), 517-53
<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](#)

12 May 2009

НАБЛЮДЕНИЯ КОРОНАЛЬНОГО ВЫБРОСА МАСС С ПОМОЩЬЮ ВУФ ТЕЛЕСКОПОВ ТЕСИС

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1 Oct

***Allen Telescope Array* Multi-frequency Observations of the Sun**

P. [Saint-Hilaire](#), G. J. Hurford, G. Keating, G. C. Bower and C. Gutierrez-Kraybill

E-print, Nov 2011

Solar Physics, Volume 277, Number 2, 431-445, **2012**, **E-print File**

7 Oct

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>

12 Oct

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>

17 Oct

SOHO: 17th, starting around 18:24 UT, a spotless active region in the sun's southern hemisphere erupted, hurling a faint coronal mass ejection (CME) in the general direction of Earth.

17-21 Oct

Space weather monitor at the L5 point: a case study of a CME observed with STEREO B

L. [Rodriguez](#) , [C. Scolini](#), [M. Mierla](#) , [A. N. Zhukov](#) , [M. J. West](#)

Space Weather **2020**

<https://doi.org/10.1029/2020SW002533>

<https://sci-hub.tw/https://agupubs.onlinelibrary.wiley.com/doi/abs/10.1029/2020SW002533>

18 Oct

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**

19 Oct

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

A&A 528, A84 (2011)

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 эрупция 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_☉: 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_ISEST_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** → $L/R_s=0.103$
01:31 $B=27^2/285=0,19$

13:13 – C3.7 **пересвет** $A=25^2/310=0,16$ <-- **16 s**; **8 s** → $L/R_s=0.081$

22:00 – C1.4 **пересвет** $A=25^2/310=0,16$ <-- **16 s**; **8 s** → $L/R_s=0.081$

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** → $L/R_s=0.096$

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

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

22 Dec

РАСШИРЕНИЕ ИСТОЧНИКА МЯГКОГО РЕНТГЕНОВСКОГО ИЗЛУЧЕНИЯ И ‘‘МАГНИТНАЯ ДЕТОНАЦИЯ’’ В СОЛНЕЧНЫХ ВСПЫШКАХ

Струминский А.Б., Садовский А.М., Григорьева И.Ю.

ПАЗ Том: 49 Номер: 11 Год: 2023 Страницы: 806-818

DOI: [10.31857/S0320010823110086](https://doi.org/10.31857/S0320010823110086)

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 пересвет $A=33*2/311=0,21$ <-- **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>