

On line TV programs, videos and solar astronomy resources

Written by Administrator

Saturday, 04 June 2011 15:21 - Last Updated Wednesday, 13 September 2017 13:29

I am regularly searching the web for on line solar astronomy resources and this article will remain a dynamic document. I am trying to provide you with a comprehensive access to the TV programs, substantial videos and documentaries about the Sun. I will give a title and in some cases a brief resume of each identified resource together with a web link so that you can take a look for yourself. You can also email me via the contacts section if you have identified and further resources that can be added to this list at a future revision date.

If the link has broken please just use the title to do a further Youtube search and you should easily find it.

Happy surfing!

HERE ARE OVER 140 EXCELLENT TV PROGRAMS AND VIDEOS ABOUT THE SUN/INDIVIDUAL SOLAR EVENTS DATING BACK TO THE 1940's

2017 September 10 a [X8.2 class limb flare youtube \[1 minute\]](#) and [another](#) 3 minutes

2017 September 6 a [9.3 class flare](#) youtube [3 minutes]

2017 [SDO year 7](#) [3 minutes]

2016 [SDO year 6](#) [7 minutes]

November 2015 [Thermonuclear art](#) [30 mins]

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2015 [SDO Year 5](#) [4 minutes]

18 June 2015 [SDO captures massive limb eruption](#) [3 minutes]

31 October 2014 [SDO time-lapse of AR2192](#) [7 minutes]

31 October 2014 [white light time lapse transit showing AR2192](#) [2 minutes]

10 September 2014 an [X1.6-class flare](#) [2 minutes]

24 August 2014 [M5.9 flare and ejection](#) [2 minutes]

16 June 2014 [stunning pictures of Sun](#) from largest solar telescope [1 minute]

10 June 2014 [here are the two X-class flares](#) [3 minutes]

[April 2014](#) Carrington-class CME narrowly misses earth [4 minutes]

[25 April 2014 X1.3](#) class solar flare [2 minutes]

[29 March 2014 X1.0](#) class solar flare [4 minutes]

[SDO Year 4](#) [4 minutes] February 2014

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[25 February 2014 X4.9 flare](#) [1 minute] and [another](#) [3 minutes]

[Observatorio del Teide](#) [4 minutes]

[30 January 2014 SDO view of partial eclipse and an M6-class solar flare](#) from AR1967 [formerly AR1944] [2 minutes]

[BBC - Has the Sun gone to sleep](#) 16 January [6 minutes]

* [NASA - Jewel box Sun](#) December 2013 [2 minutes]

* [Major X3.3-class solar flare](#) 5 November 2013 [2 minutes]

[Death of the Sun](#) - September 2013 [45 minutes] Naked Science

* [BBC Secret life of the Sun](#) - June 2013 [58 minutes]

* [BBC - Seven ages of star light](#) - 2013 [88 minutes]

[Three X-class flares in one day](#) - 14 May 2013 [4 1/2 minutes]

April 2013 NASA [Three years of solar activity in three minutes](#) [3 minutes]

2 March 2013 NASA forecast [Solar Max Double Peaked](#) [4 1/2 minutes]

[Alan Friedman's excellent talk CATCHING SUNLIGHT to TED Buffalo](#) [18 minutes] [2012]

November 2012 The worlds largest solar telescope [Unmasking the Sun](#) [4 minutes]

14 October 2012 [the Sun's NE limb explodes](#) [4 minutes]

[The Universe - Secrets of the Sun](#) History channel [44 minutes] [2012]

August 31 2012 here a [huge filament explodes](#) from the south-east limb [2 minutes]

July 19 2012 here is an [M7.7-class flare](#) with huge post flare looping from SDO [36 seconds] and [another](#) [1 minute 30 seconds] with an [extreme close up](#) [2 minutes]

June 5/6 2012 here is the [NASA Transit of Venus](#) [3 minutes]

June 5 [Transit of Venus](#) [9 minutes] [2012]

June 5 2012 here is the [BBC Horizon Program about the transit of Venus](#) . [59 minutes]

[TRANSIT OF VENUS HISTORY: BEHIND THE EPIC CELESTIAL EVENT](#) [4 minutes] [2012]

[TRANSIT OF VENUS AN ASTRONOMICAL ALIGNMENT WITH MEANING](#) [47 minutes]

[SUNSPOT EVOLUTION AR1476](#) [2 minutes] [May 2012]

National Geographic: [Birth of the Solar System](#) [47 minutes] [27 April 2012]

[SUNSPOT EVOLUTION AR1460](#) [1 minute] April 2012

[NOVA: SECRETS OF THE SUN](#) [53 minutes] 25 April 2012 □ [2012]

[SUNSPOT EVOLUTION AR1459](#) [1 minute] [April 2012]

[The Sun close-up solar rotation](#) [2 minutes] [2012]

[SPECTACULAR SOLAR FLARE](#) 18 April 2012 [CNN - 6 minutes]

16 April 2012 [spectacular M1.7-class solar flare](#) [2 minutes]

[SDO - Year 2](#) [3 minutes]

Here is a short repeating video of the 16 April 2012 [ejection from the North West limb](#)
and
[another](#)
[30 seconds]

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Breath taking [Aurora Video](#) [5 minutes] [2012]

Reflected sunlight NASA [Tour of the Moon](#) [4 minutes] 2012

[M7.9 Solar Flare 14 March 2012](#) [4 minutes] 2012

[M6.3 Solar Flare 9 March 2012](#) [2 minutes] 2012

Solar Activity Update [X5.4 class solar flare March 7, 2012](#) [1 minute]

[Major X5.4 Solar Flare 7 March 2012](#) [2 minutes] [2012]

[M3.3 Solar Flare 2 March 2012](#) [2 minutes] [2012]

[Huge Filament Eruption/CME 6 Feb 2012](#) [1 minute][2012]

[Massive Solar Flare to hit Earth January 24-25, 2012](#) [3 minutes]

Discovery News [Solar Storms: 5 Reasons to Care right Now](#) [3 minutes] [2012]

Discovery channel - NASA Solar Storm 2012 - 2013 here is [part 1](#) [9 minutes], [part 2](#) [9 minutes],
[part 3](#)
[8 minutes],

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[part 4](#)

[8 minutes], and

[part 5](#)

[7 minutes] [2012]

Here is the excellent BBC Horizon Program [59 minutes long] first broadcasted in February 2012 called [Storms on the Sun](#)

NASA/SDO [X2-class solar flare January 27 2012](#) [30 seconds]

NASA/SDO [M8.7-class solar flare 23 January 2012](#) [30 seconds]

NASA/SDO [Lovely loops January 15/16 2012](#) [30 seconds]

[\[EST\] European Solar Telescope](#) [16 minutes] [2011]

Here is the excellent BBC Horizon Program [59 minutes long] first broadcast in November 2011 called [Extreme Astronomy](#)

[M1.6 Solar Flare & Sun Diving Comet 20 October 2011](#) [4 minutes] [2011]

Here is a NASA video [Solar storms 2012](#) [3 minutes] [2011]

Here is a NASA video on [extreme solar flares](#) [3 minutes] 2011

Here is [The Sun in HD](#) [4 minute video made in 2011]

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History Channel [The Universe - Secrets of the Sun](#) [45 minutes] [2011]

[Giant solar flare from Sunspot AR1302 causes Geomagnetic storms](#) [5 minutes] [2011]

[Haunting images from the Sun](#) [2 minutes from SDO 2011]

[NASA Sun Sends out X6.9 Class Solar Flare](#) [1 minute] [2011]

NASA/SDO [X1-class Solar Flare September 22, 2012](#) [30 seconds]

[Coronal Mass Ejection \(CME\) - X1.8 Solar Flare](#) [1 minute] [7 September 2011]

[M5.3 Solar Flare 6 September 2011](#) [3 minutes] [2011]

NASA/SDO [How solar flares affect Earth](#) [8 minutes] [2011]

[Extreme solar flares](#) August 2011 [3 minutes]

[Installing a Hale-type spectrahelioloscope at Stellafane](#) [43 minutes] [August 2011]

[X6.9 Solar Flare 9 August 2011](#) [1 minute] [2011]

[Heliophysics and the Weather in Space](#) [70 minutes] [2011]

Here is an excellent [24 minute] video called [Attack of the Sun](#) [2011]

[M9.3 Solar Flare 30 July 2011](#) [1 minute] [2011]

[7 June 2011 Spectacular M-class flare eruption](#) [5 minutes] and another [full disc view](#) [2 minutes]

[The Solar Dynamics Observatory: The Sun Up Close and Personal](#) [71 minutes] lecture [2011]

NASA SDO- [Prominence Eruption April 19](#) . 2011 [30 seconds]

[The First 360 view of the Full Sun](#) [3 minutes] [2011]

[M3.7 Spectacular flare eruption 7 March 2011](#) [2 minutes] 2011

[NASA STEREO Sun360 Teaser](#) [1 minute] [2011]

[Solar Interface Region - Bart de Pontieu](#) (SETI Talks) [58 minutes] [2011]

[Sun 2011 - Jan & Febr. X2.2 & M6.6 Solar Flare SDO/EVE/SAM](#) [10 minutes] [2011]

[The Solar Dynamics Observatory: The Sun Up Close and Personal](#) [71 minutes] [2011]

[From Stonehenge to STEREO: A 1-Minute History of How We See the Sun](#) [1 minute] [2011]

[Nova - Magnetic storm- Earth's invisible shield](#) [56 minutes] 2011

[NASA warns of Huge Solar Flares](#) [7 minutes] January 2011

The Sun our local star - Science/ESA Podcast [9 minutes] [2010] [part 1](#) [9 minutes], [part 2](#) [10 minutes] and [part 3](#) [6 minutes]

History Channel [Dark Future of the Sun](#) [45 minutes] [2010]

[Journey into the Sun KQED QUEST](#) [12 minutes] [2010]

[Spectacular Solar Video and Sounds of the Sun](#) [4 minutes] [2010]

History Channel [Total Eclipse](#) [45 minutes] [2010]

[First light from the Big Bear new solar telescope](#) [1 minute] [2010]

[Understanding the Sun - The Heliophysics Program](#) [5 minutes] [2010] and [another](#) [8

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minutes] 2010

[First images: The Solar Dynamics Observatory](#) [5 minutes] [2010]

National Geographic: [The Surface of the Sun](#) [4 minutes] [2010]

[SDO Will take more data than ever before](#) [3 minutes] [2010]

History channel [1859 the Carrington event](#) [6 minutes] 2010

[Picard Solar Observatory Mission Video](#) [4 minutes] [2010]

NASA Top Solar Discoveries [part 1](#) [2 minutes], [part 2](#) [2 minutes]. [part 3](#) [2 minutes],
[part 4](#)
[1 minute] and
[part 5](#)
[2 minutes] [2009]

[Sunrise Telescope - Balloon Launch June 2009](#) [5 minutes]

[A day at the office](#) [10 minutes] [2009]

[NASA SOHO and TRACE Solar Discoveries](#) [5 minutes] [2009]

[How the Sun works](#) [7 minutes] [2009]

[The Silence of the Sun](#) [9 minutes] [2009]

The History Channel: The Universe: Secrets of the Sun [2010] [part 1](#) [9 minutes], [part 2](#) [9 minutes], [part 3](#) [9 minutes], [part 4](#) [9 minutes] and [part 5](#) [9 minutes]

[The Sun's Interior](#) [48 minutes] [2010]

[The Sun's Atmosphere](#) [48 minutes] [2010]

National Geographic Channel: Solar flares documentary [part 1](#) [10 minutes], [part 2](#) [10 minutes], [part 3](#) [10 minutes], [part 4](#) [10 minutes] and [part 5](#) [7 minutes] [2009]

[Science Nation Sunspots revealed](#) [5 minutes] [2009]

History Channel [Solar Storm a serious threat 2012](#) [9 minutes] [2009]

Solar Storms, A Talk with Astronomers [part 1](#) [9 minutes], The Hinode satellite [part 2](#) [10 minutes], the 1989 Blackouts

[part 3](#)

[9 minutes] and
Why We Care

[part 4](#)

[9 minutes]
[2008]

NOVA: [Magnetic Storm - Earths Magnetic Shield](#) [56 minutes] [2007]

[The Sun in action](#) [4 minutes] [2007]

Here is the BBC program [2007] "The Sun" here is [part 1/3](#) [10 minutes], [part 2/3](#) [10 minutes] and
[part 3/3](#)
[8 minutes]

[Space Weather - Solar Storms in HiDef](#) [7 minutes] [2007]

[Sound of Sun](#) [2 minutes] [2007]

[Hinodo satellite captures total solar eclipse](#) [4 minutes] [2007]

History Channel [Life & Death of a Star](#) [45 minutes] [2007]

[Inside our Sun: a deeper look](#) [6 minutes] [2007]

[The Sun: Our shining star - rotating and erupting](#) [1 minute] [2007]

[BRILLIANT NOISE](#) - exceptional and award winning solar video includes the sound of the Sun [5 minutes] [2006]

[NASA STEREO reveals the entire sun](#) [3 minutes] [2006]

[Asteroids slam into the Sun](#) [6 minutes] [2006]

BBC Sky at Night Total Solar Eclipse [part 1](#) [11 minutes] and [part 2](#) [11 minutes] [2006]

[Sun Storms](#) [5 minutes] [2006]

[Ever seen a "Tsunami" on the Sun](#) [2 minutes] [2006]

[Total Solar Eclipse Natal](#) [8 minutes] [2006]

[Transit of Venus June 8, 2004](#) [2 minutes]

[2004 Venus Transit-Ring of Light](#) [10 seconds], [Transit](#) [6 seconds] [Egress of Venus](#) [24 seconds] from Swedish Solar Telescope

Here is [The Great Halloween Storm of 2003](#) [30 seconds]

[May 2003 Transit of Mercury](#) [10 seconds]

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Halloween Solar Storms 2003 [Coron a graph movie](#) [1 minute]

[Halloween Solar Storm 2003](#) [1 minute]

[Wirraminna Eclipse South Australia 2002](#) [7 minutes] [2002]

[X1.5 flare video from TRACE](#) [1 minute] 2002

Here is an excellent Discovery Science TV program called [Our Secret Sun](#) [47 minutes long] Broadcasted in 2001

Solar Blast [part 1](#) [10 minutes], [part 2](#) [10 minutes], [part 3](#) [10 minutes], [part 4](#) [10 minutes], [part 5](#) [10 minutes] and [part 6](#) [5 minutes] [2000]

[UK Solar Eclipse](#) BBC August 1999 [7 minutes] 1999

Here is [Part 5 - Star](#) of the BBC series the Planets [49 minutes] [1999]

[The Black Sun BBC Horizon](#) [50 minutes] [1991]

[Total Solar Eclipse Cabo Mexico](#) [9 minutes] [1991]

[Ulysses solar astronomy probe](#) NASA/JPL [12 minutes] [1989]

[Darkness at Noon](#) [14 minutes] The 1980 Kenya Eclipse [1981]

Carl Sagans TV series Cosmos Episode 9 [The lives of stars](#) [59 minutes] [1980?]

[1979 Solar Eclipse ABC News Coverage](#) [10 minutes] 1979

[BBC Horizon Sunspot mystery part 1](#) [11 minutes], [part 2](#) [13 minutes], [part 3](#) [9 minutes] and [part 4](#) [13 minutes] [1977]

Skylab History 4 Rooms Earth View [part 1](#) [15 minutes], [part 2](#) [15 minutes] [1974]

Solar Eclipse 1973 June 30 Mauritania [part 1](#) [14 minutes] and part 2 [] [1973]

[The Seahorse Solar Flare](#) [6 seconds] [1972]

[The Knowledge Bank](#) [25 minutes] [1971]

Solar Eclipse 1970 March 7 [part 1](#) [10 minutes], [part 2](#) [10 minutes], [part 3](#) [10 minutes], [art 4](#) [10 minutes], [part 5](#)

[p](#)

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[10 minutes] and

[part 6](#)

[9 minutes] CBS 1970

[Mauna Loa Solar Observatory](#) 1969? [4 minutes]

Solar Eclipse New York 1967 May 9 [part 1](#) [40 seconds] and [part 2](#) [3 minutes] [1967]

[Solar Eclipse 1963 July 20 New York](#) [2 minutes] [1963]

NASA Exploring the Sun Stars and Galaxies [part 1](#) [16 minutes] and [part 2](#) [12 minutes] [1960's ?]

[Solar Eclipse 1959 October 2 New York](#) [36 seconds] [1959]

[Video footage of a Solar Eclipse from the 1950's](#) [6 minutes]

[Our Mr Sun](#) [56 minutes] [1956]

[Our Sun In Action](#) [13 minutes] [1956]

[Ascending Solar Prominences](#) [13 minutes] [1955]

[Solar activity by Walter Orr Roberts](#) [1 minute] [1950's?]

[Magnetic Fields and the Solar Corona](#) [5 minutes] [1940's?]

[Action on the Sun](#) [13 minutes] [1940's?]

HERE ARE SOME ONLINE SCIENCE RELEASES ABOUT THE SUN/SOLAR EVENTS

Here is a nice **[short video showing how sunspots work](#)** prepared by the **[Swedish Solar Telescope](#)** science team. This is the direct video **[link](#)**

[Link to full article](#)

Here is a very good **[NASA video on solar flares](#)** . Here is the write up on **[the secret lives of solar flares](#)** .

Over the weekend of the 24 February 2011 the Sun let go with a relatively decent-sized flare and prominence: a towering ejection of matter from its surface. This is a very high resolution video prepared by the **[Solar Dynamic Observatory](#)** [NASA's Hubble on to the Sun]

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MAGNIFICENT FLARE: On June 7th at 0641 UT, magnetic fields above sunspot complex 1226-1227 became unstable and erupted. The resulting blast produced an M2-class solar flare, an S1-class radiation storm, and an unbelievable movie: This event was also captured by the ground based NSO/GONG Network here is the [El Teide](#) sequence of this same event. The team at [STEREO](#) also got this event from the front and behind!

Here is a [NASA write up](#) on this event. the [Small Sun Proba 2](#) also captured this event