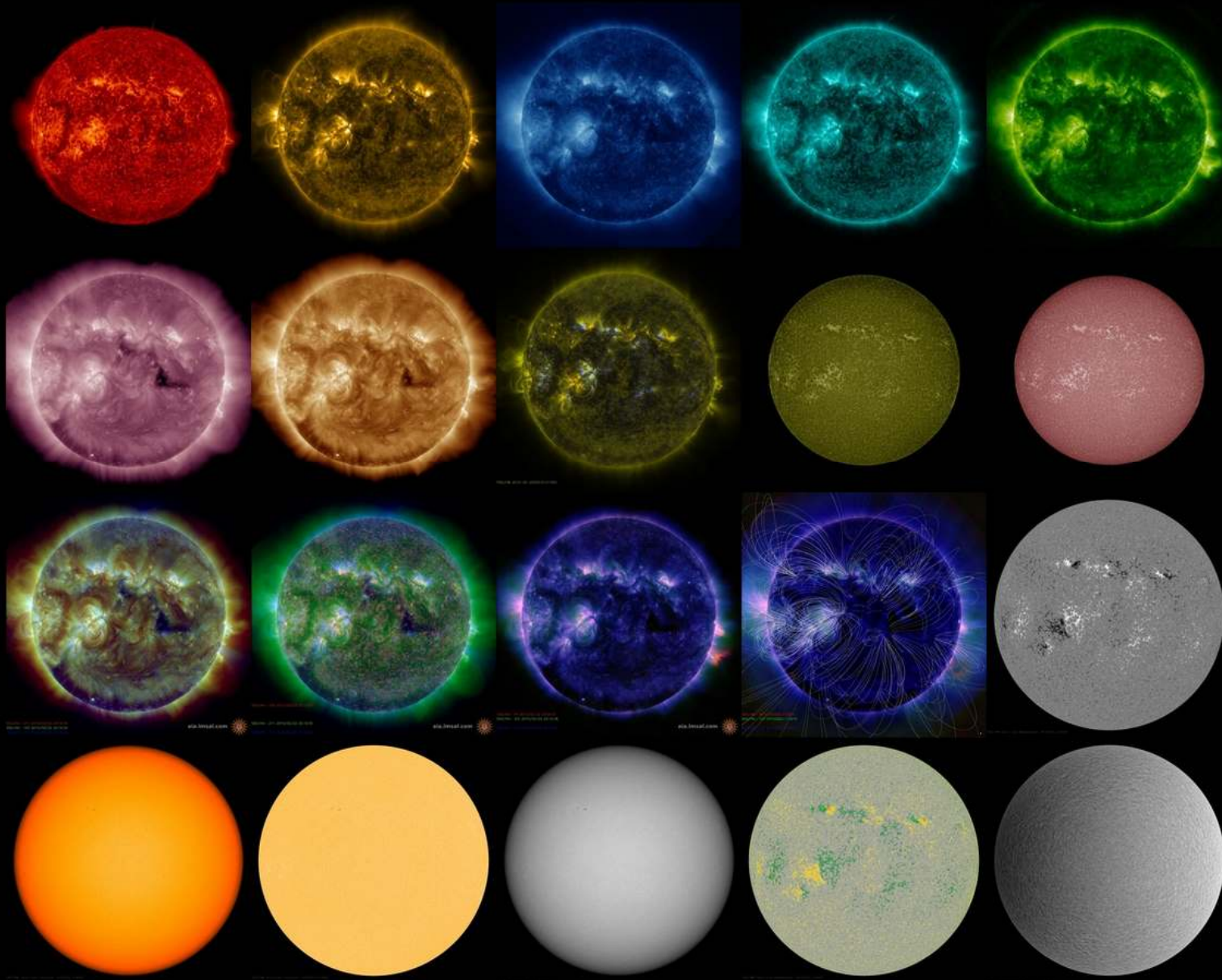
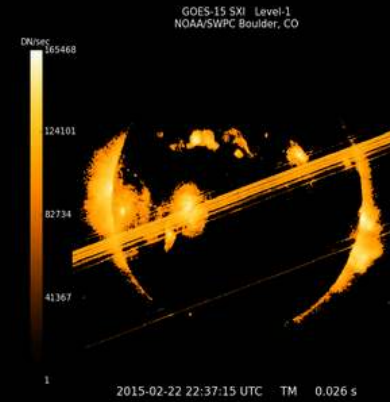
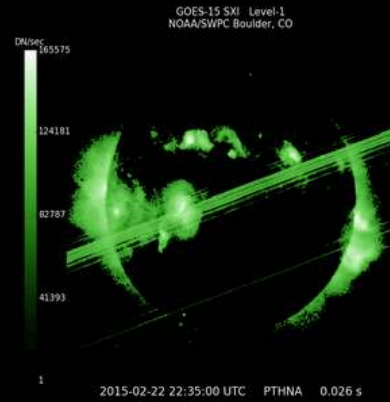
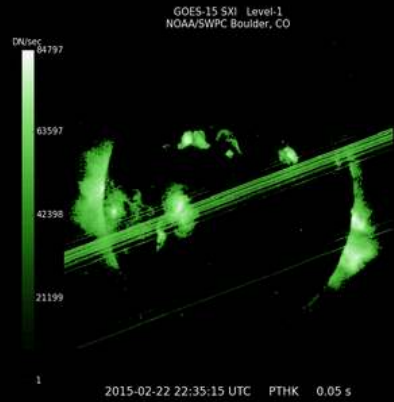
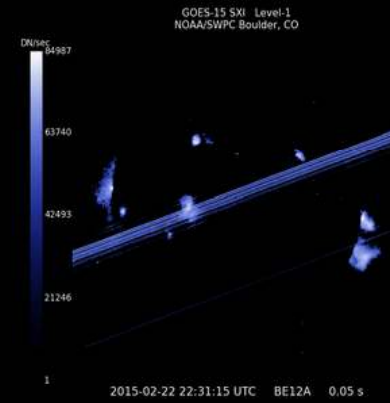
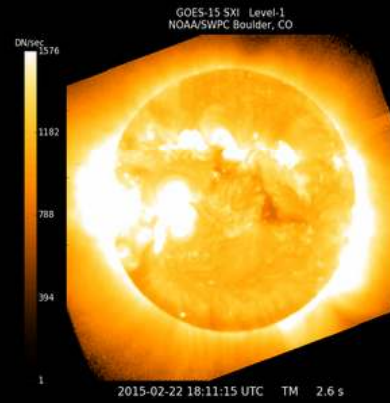
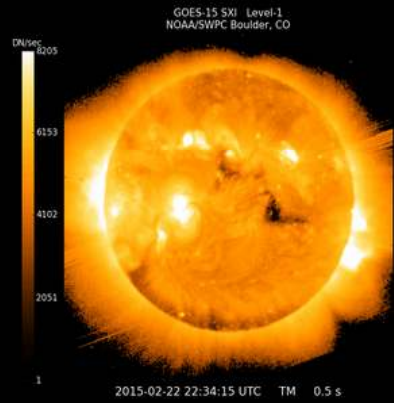
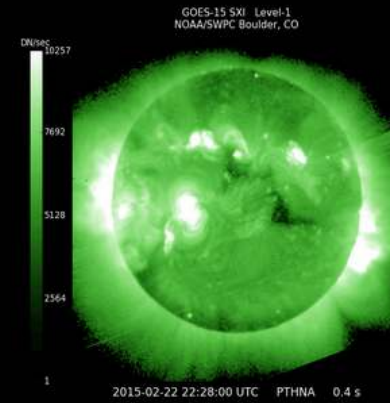
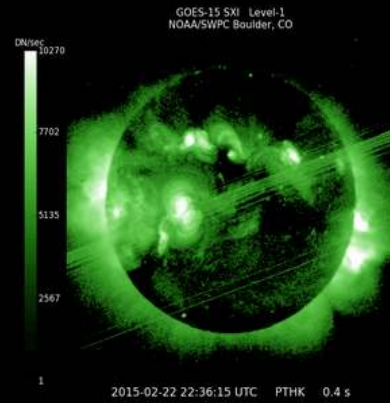
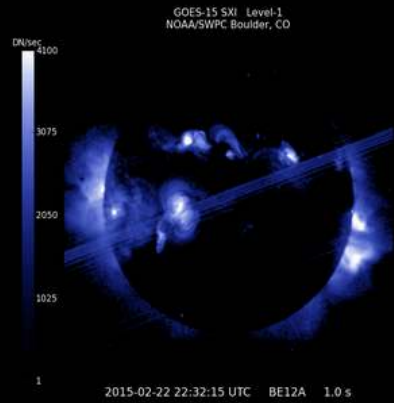


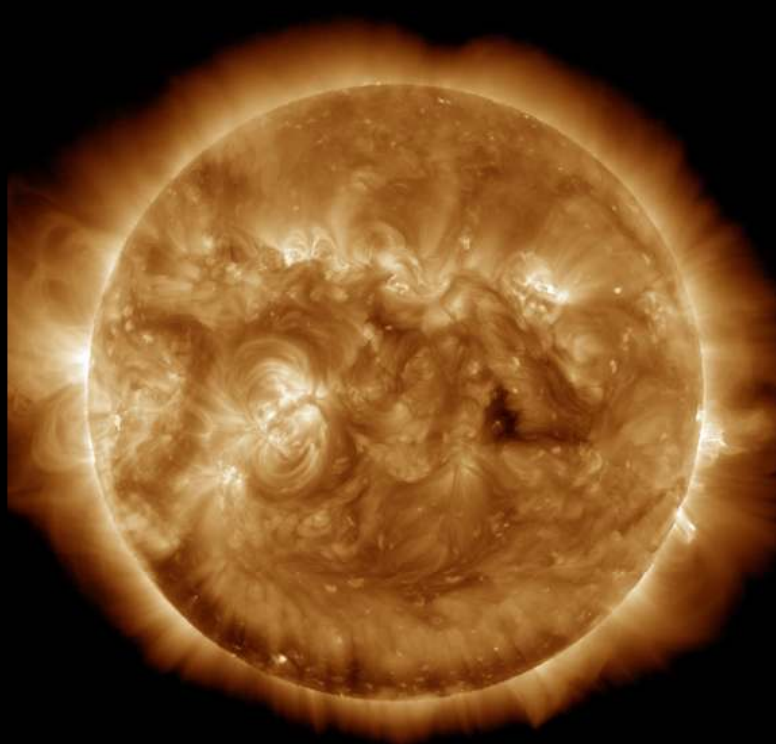
Sun, 22 Feb 2015 22:40:01 GMT Sun Feb 22 2015 15:40:01 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 22:39:54 GMT Sun Feb 22 2015 15:39:54 GMT-0700 (US Mountain Standard Time)



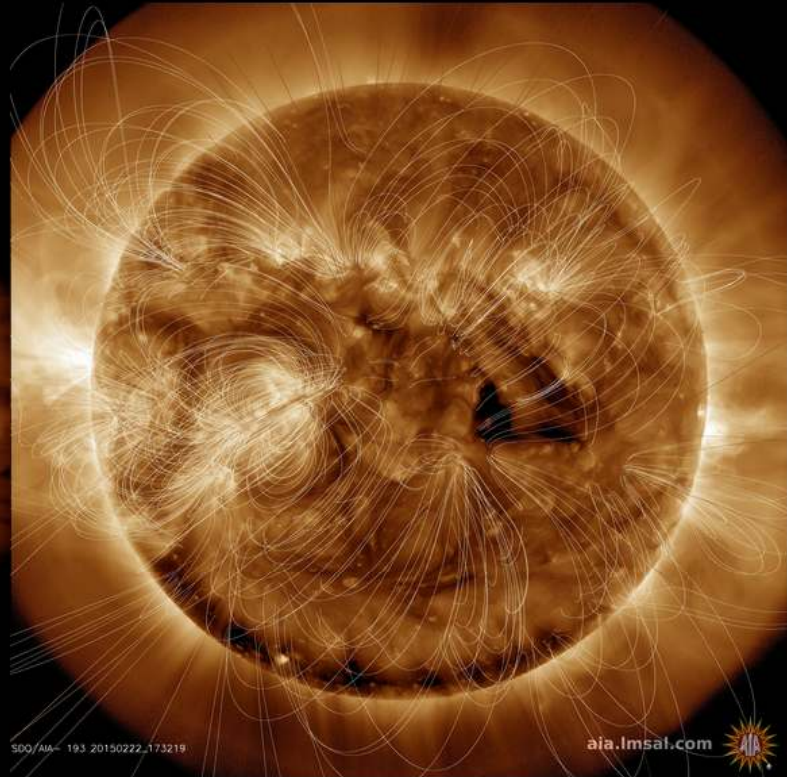
Sun, 22 Feb 2015 22:40:39 GMT Sun Feb 22 2015 15:40:39 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 22:40:31 GMT Sun Feb 22 2015 15:40:31 GMT-0700 (US Mountain Standard Time)



Sun, 22 Feb 2015 22:41:24 GMT Sun Feb 22 2015 15:41:24 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 22:41:07 GMT Sun Feb 22 2015 15:41:07 GMT-0700 (US Mountain Standard Time)

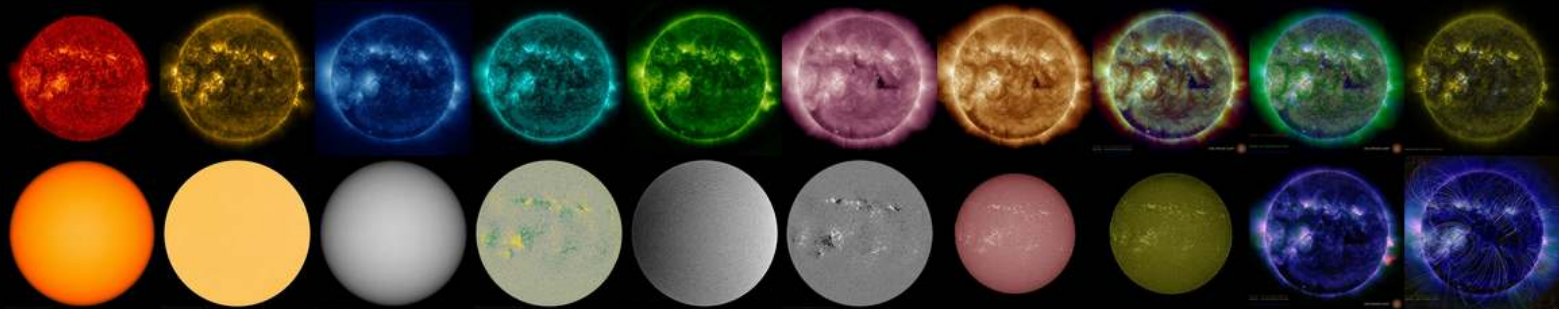


SDO/AIA 193 2015-02-22 22:25:55 UT

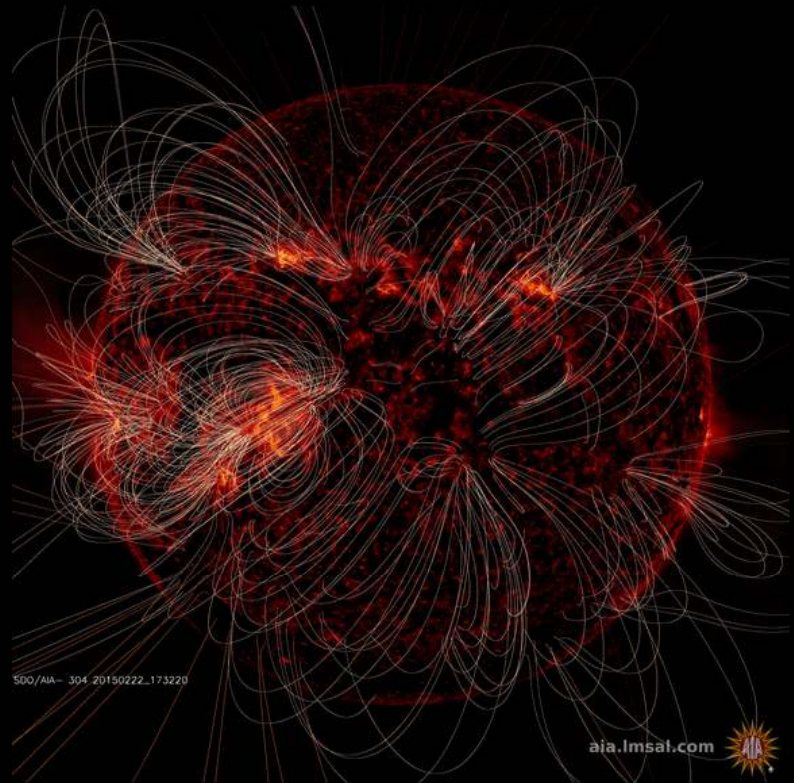
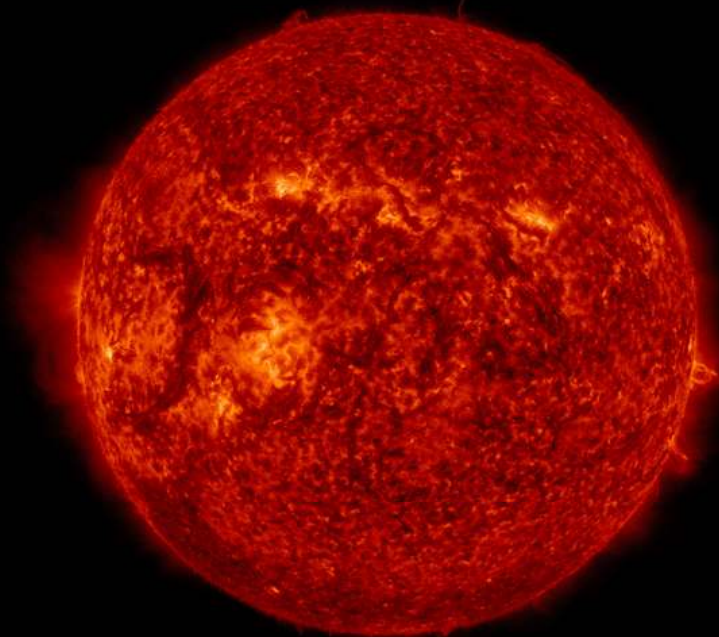


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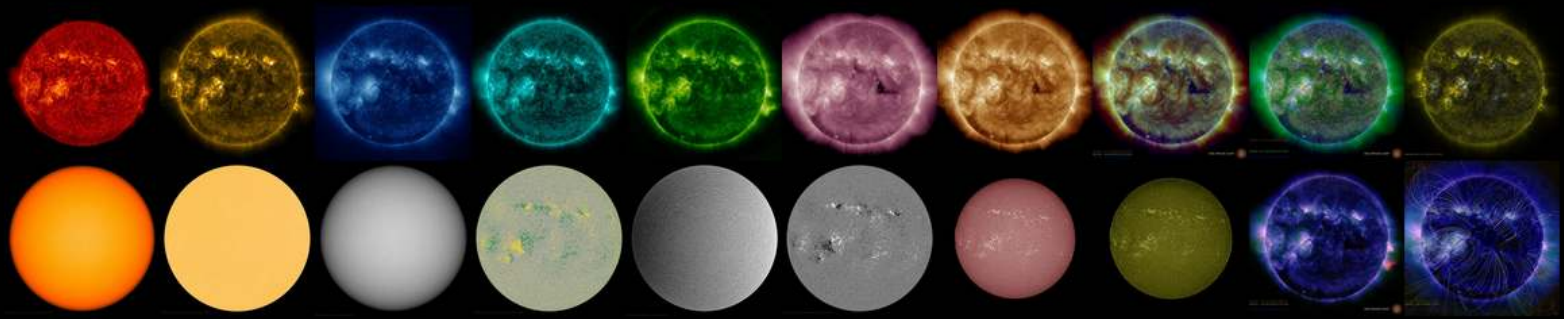
Sun, 22 Feb 2015 22:42:10 GMT Sun Feb 22 2015 15:42:10 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 22:41:47 GMT Sun Feb 22 2015 15:41:47 GMT-0700 (US Mountain Standard Time)



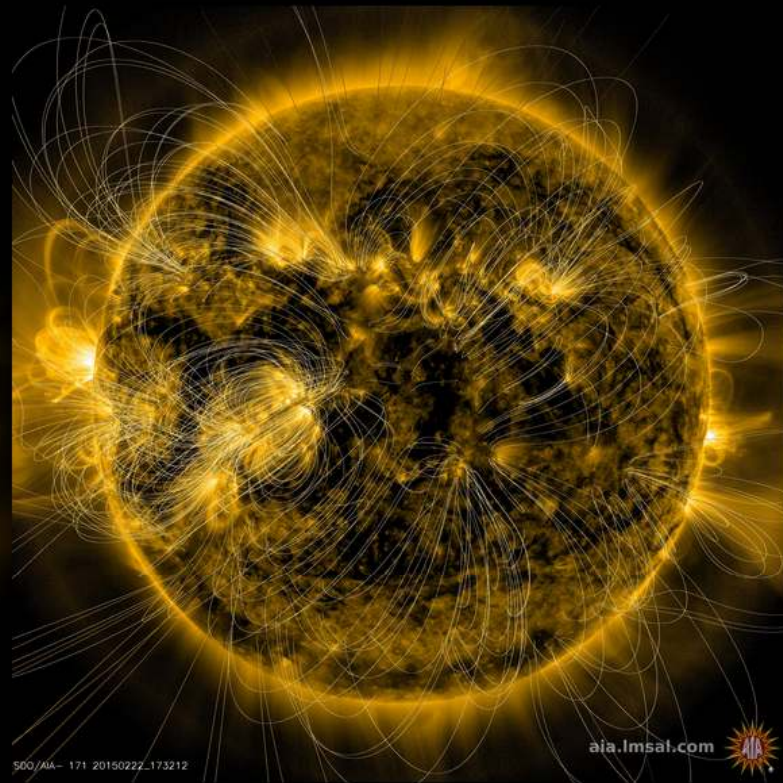
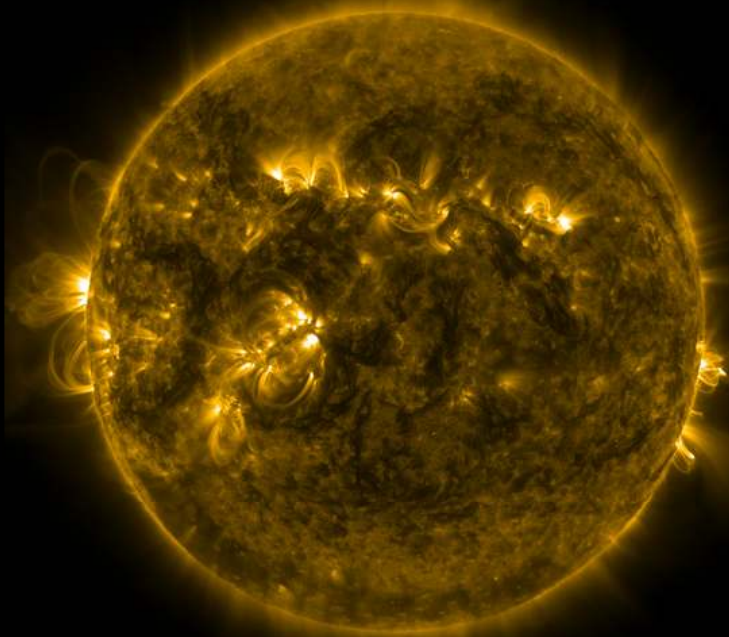
SDO/AIA - 304 20150222_173220

SDO/AIA 304 2015-02-22 22:25:08 UT

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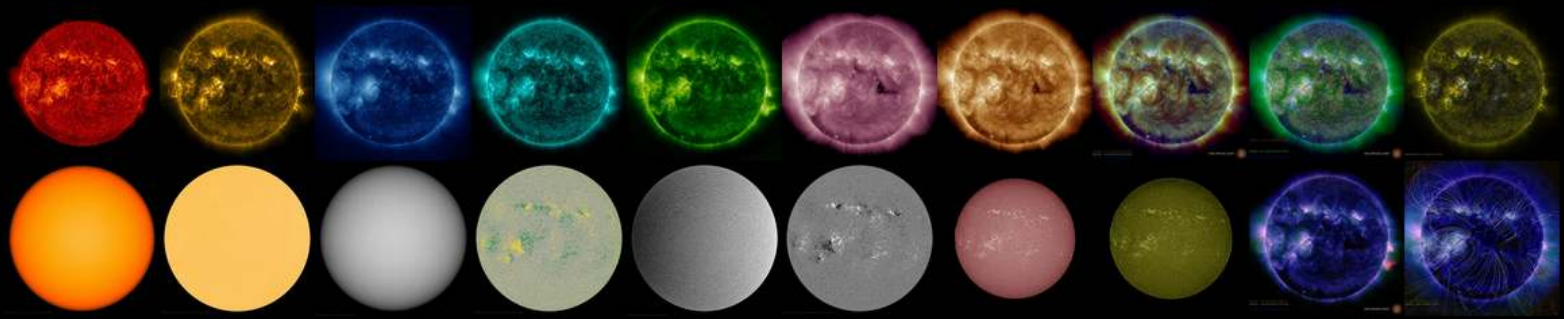
Sun, 22 Feb 2015 22:43:10 GMT Sun Feb 22 2015 15:43:10 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 22:42:49 GMT Sun Feb 22 2015 15:42:49 GMT-0700 (US Mountain Standard Time)



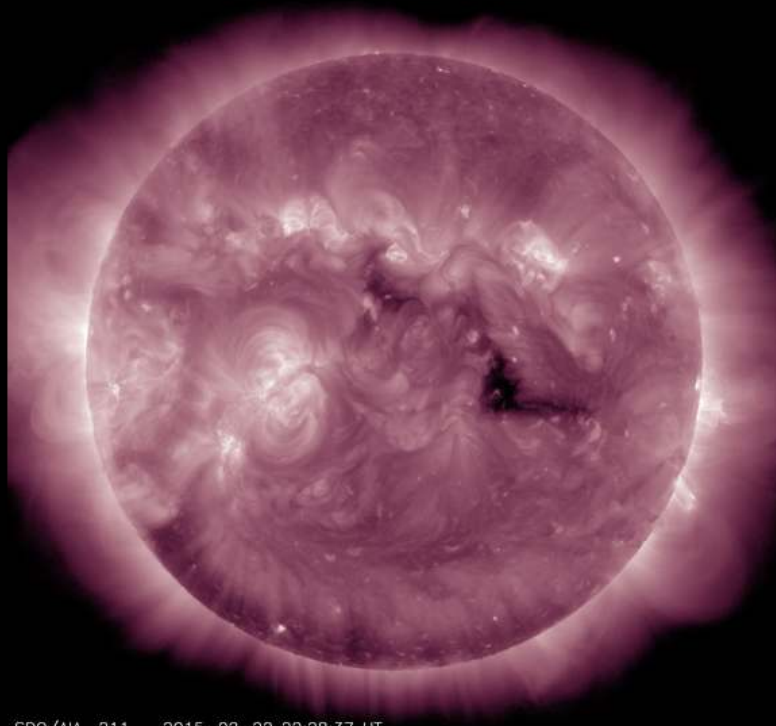
SDO/AIA 171 2015-02-22 22:26:24 UT

SDO/AIA- 171 20150222_173212

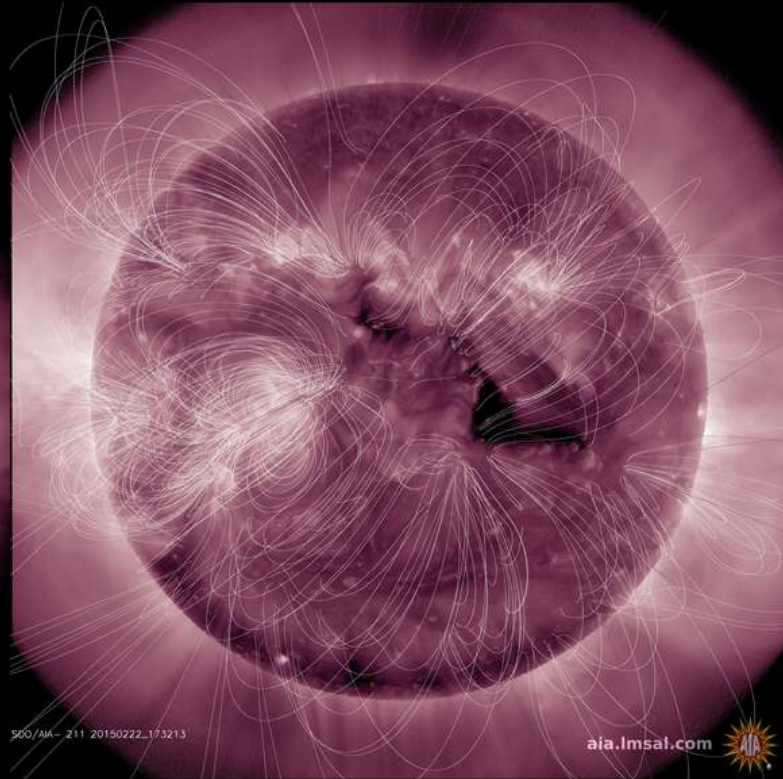
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Sun, 22 Feb 2015 22:43:51 GMT Sun Feb 22 2015 15:43:51 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 22:43:33 GMT Sun Feb 22 2015 15:43:33 GMT-0700 (US Mountain Standard Time)

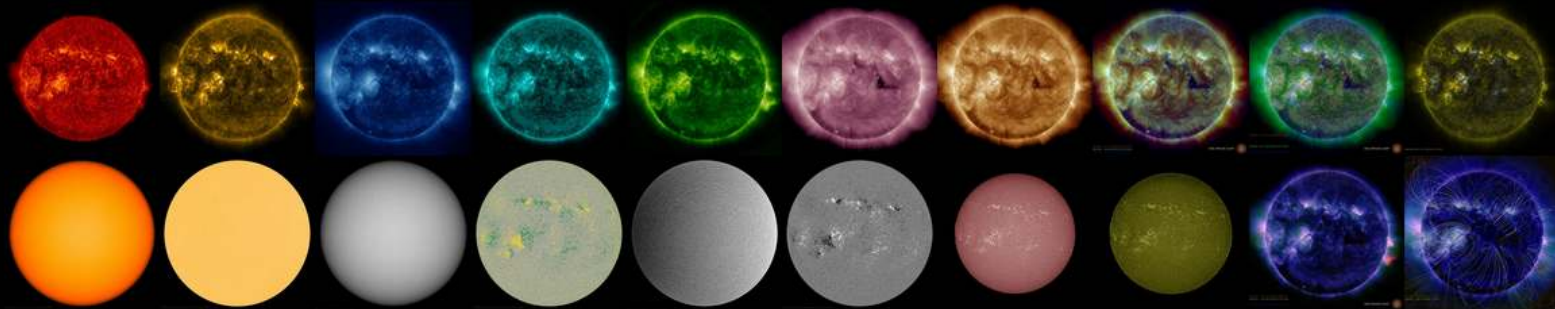


SDO/AIA 211 2015-02-22 22:28:37 UT

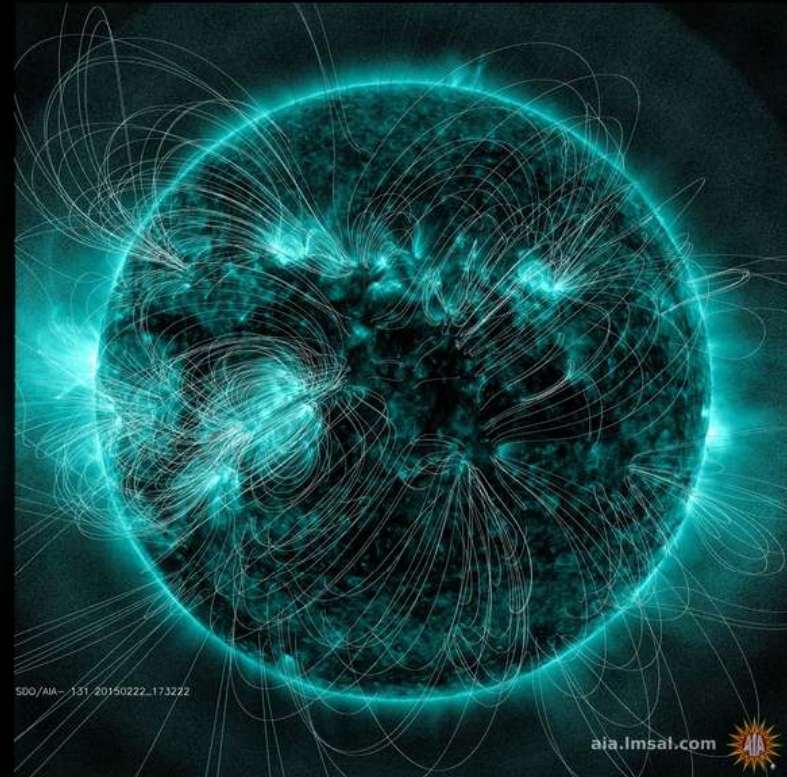
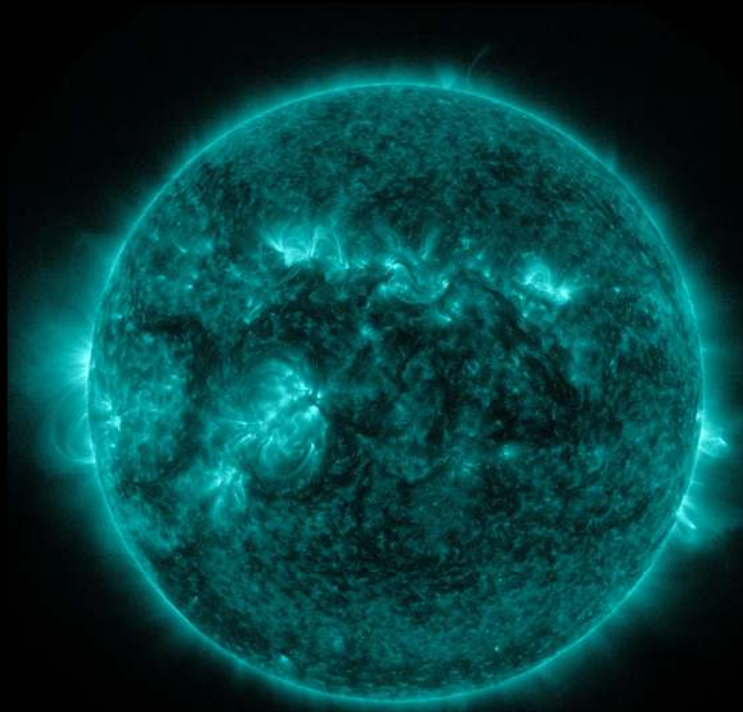


SDO/AIA - 211 20150222_173213

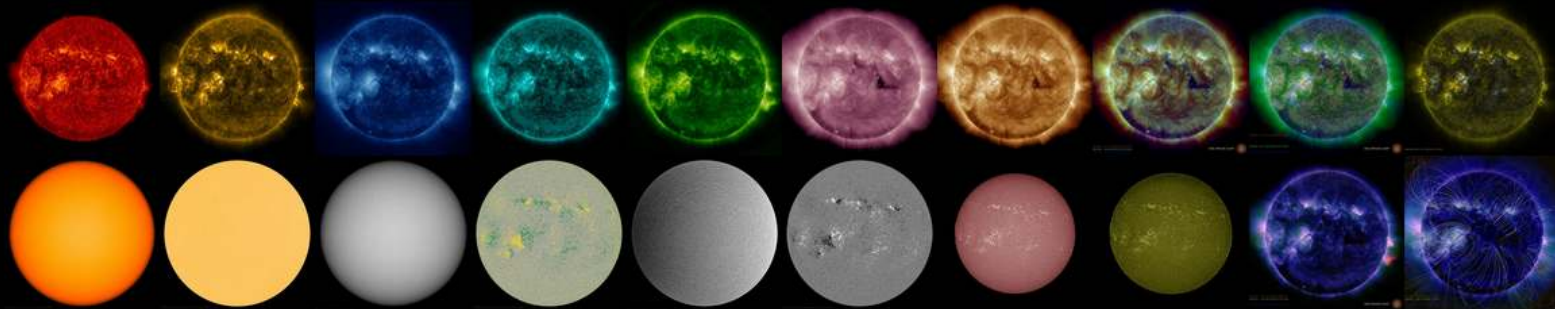
aia.lmsal.com 



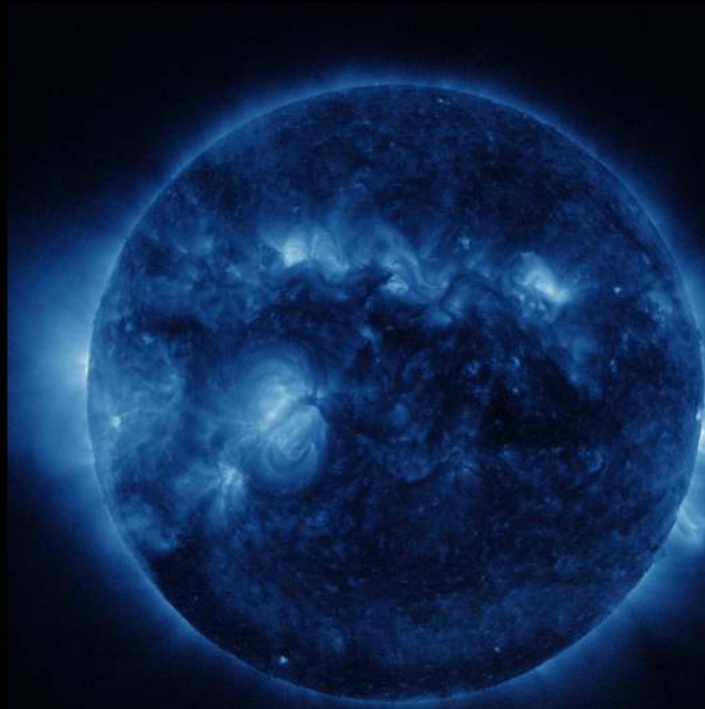
Sun, 22 Feb 2015 22:44:54 GMT Sun Feb 22 2015 15:44:54 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 22:44:26 GMT Sun Feb 22 2015 15:44:26 GMT-0700 (US Mountain Standard Time)



SDO/AIA 131 2015-02-22 22:28:34 UT



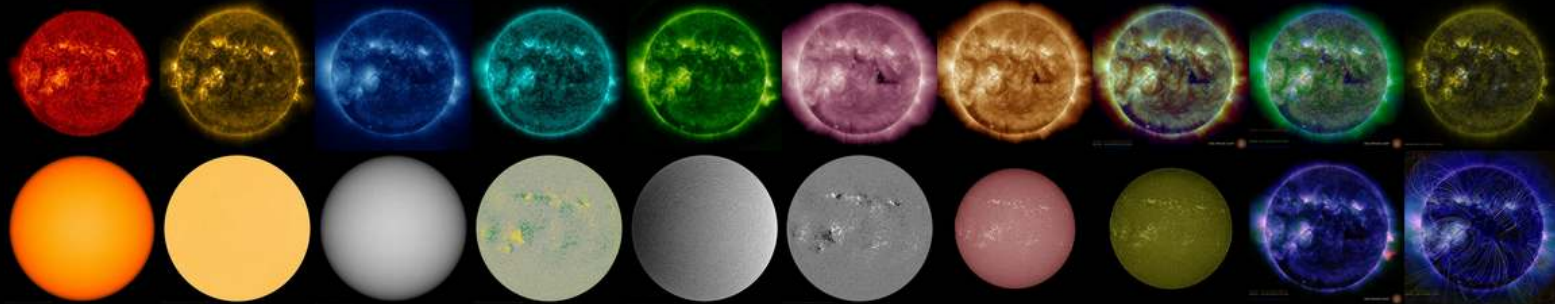
Sun, 22 Feb 2015 22:45:46 GMT Sun Feb 22 2015 15:45:46 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 22:45:20 GMT Sun Feb 22 2015 15:45:20 GMT-0700 (US Mountain Standard Time)



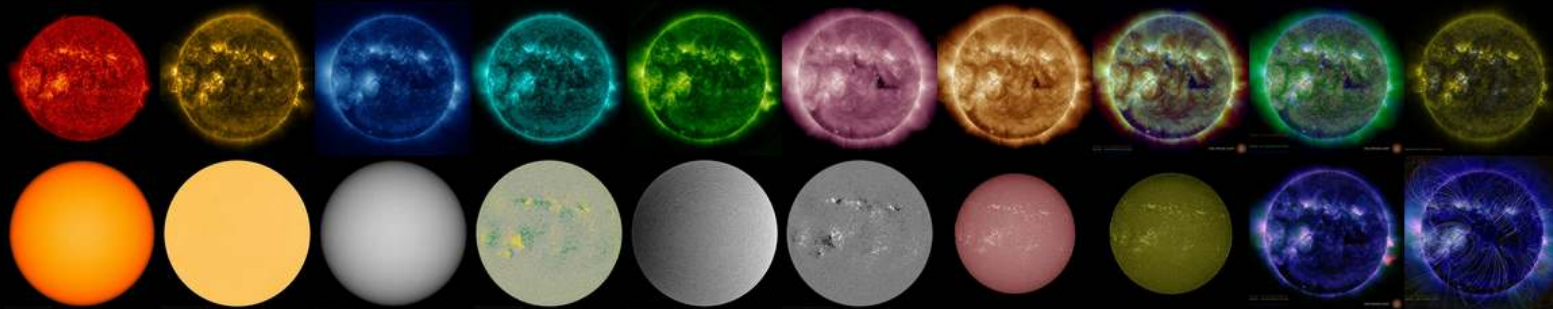
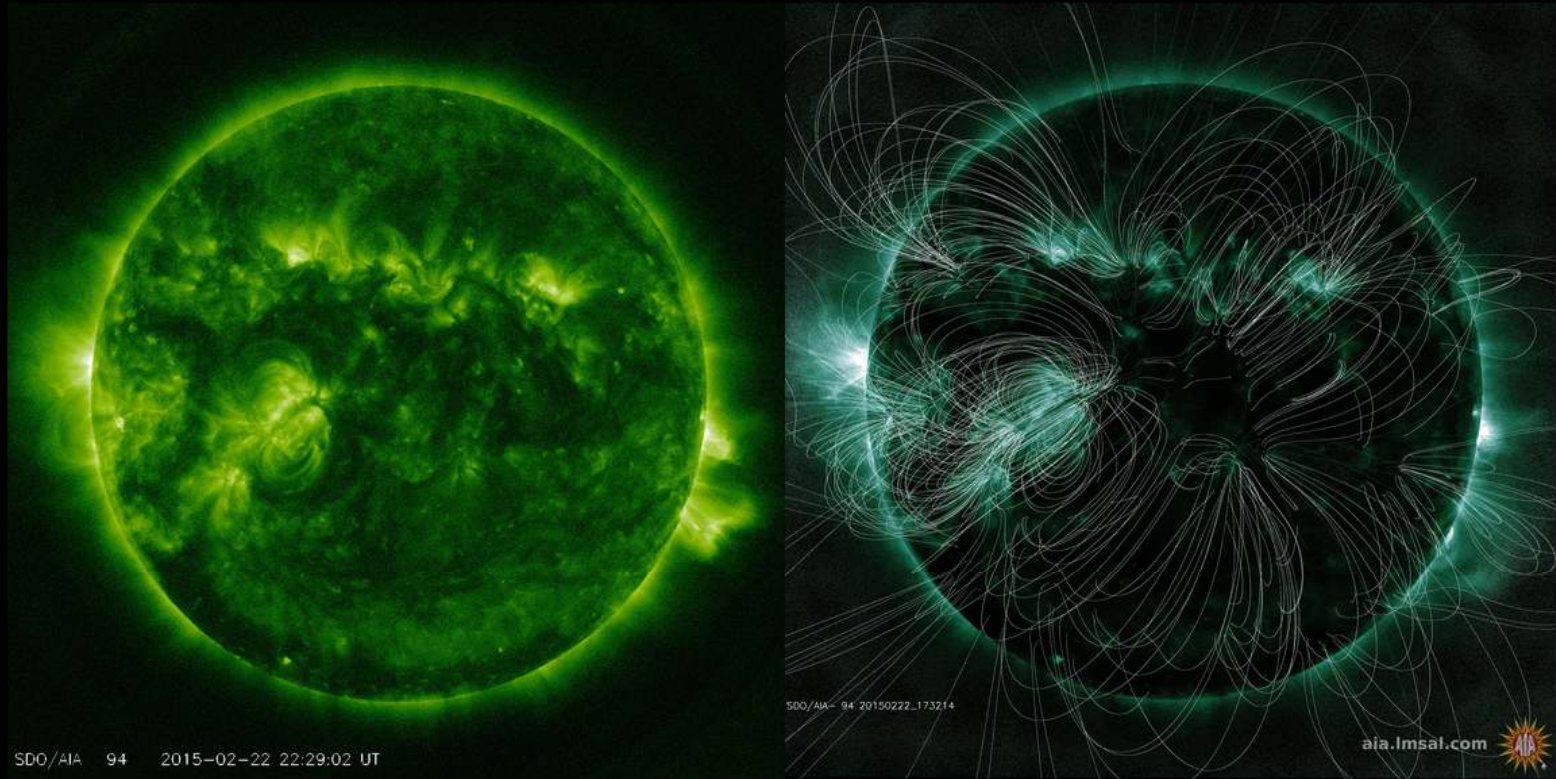
SDO/AIA 335 2015-02-22 22:32:16 UT

SDO/AIA - 335 20150222_173216

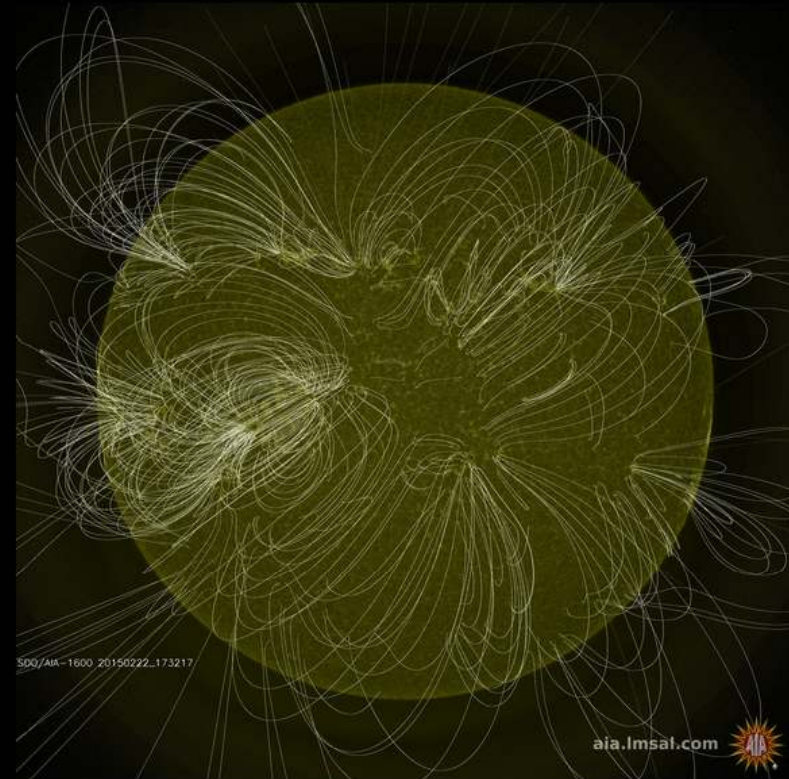
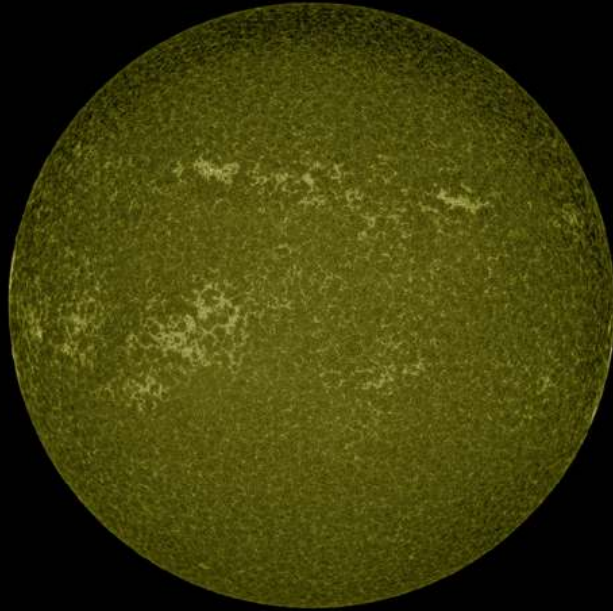
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Sun, 22 Feb 2015 22:46:31 GMT Sun Feb 22 2015 15:46:31 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 22:46:06 GMT Sun Feb 22 2015 15:46:06 GMT-0700 (US Mountain Standard Time)



Sun, 22 Feb 2015 22:47:58 GMT Sun Feb 22 2015 15:47:58 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 22:47:39 GMT Sun Feb 22 2015 15:47:39 GMT-0700 (US Mountain Standard Time)

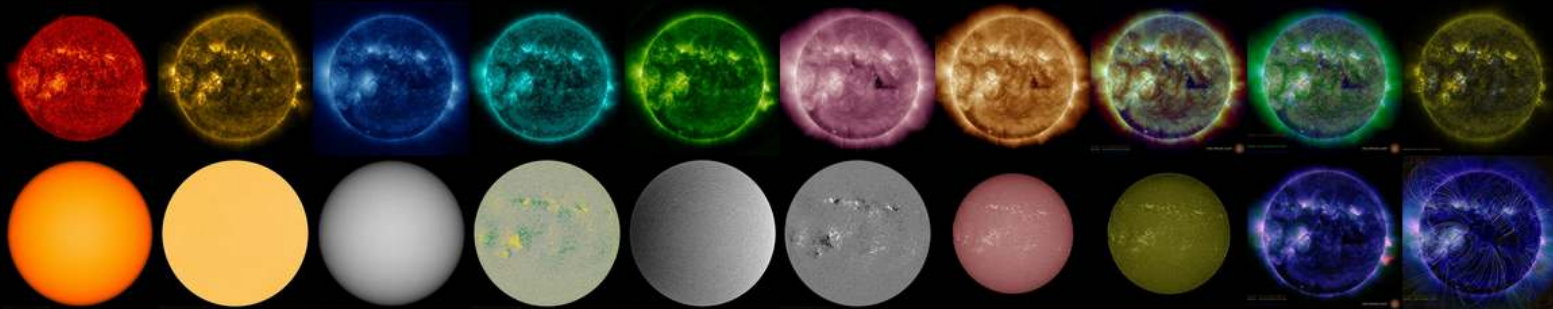


SDO/AIA-1600 20150222_173217

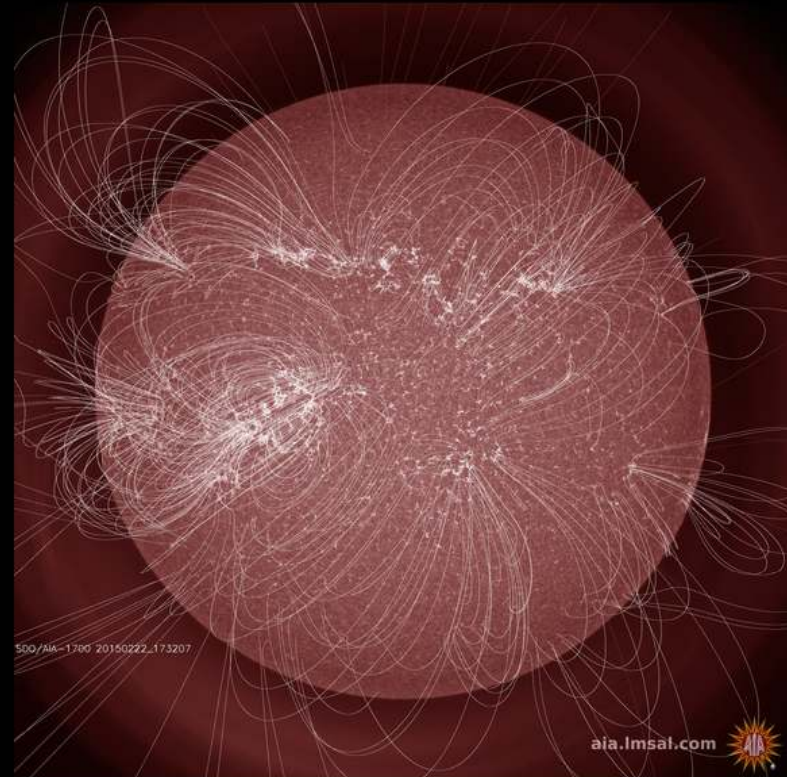
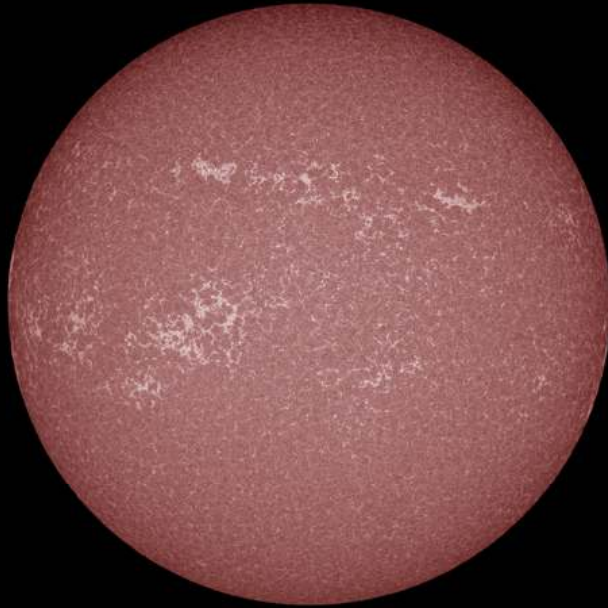
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SDO/AIA 1600 2015-02-22 22:31:53 UT

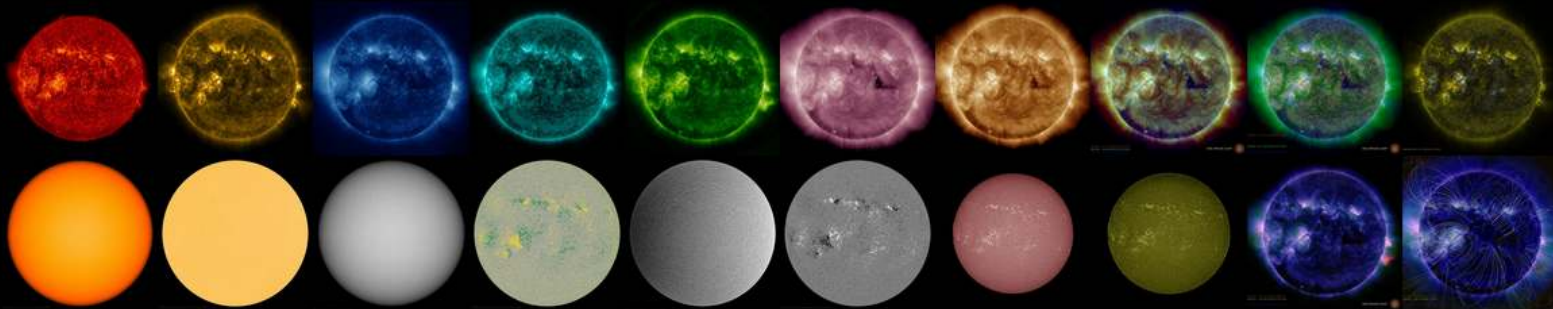


Sun, 22 Feb 2015 22:48:43 GMT Sun Feb 22 2015 15:48:43 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 22:48:19 GMT Sun Feb 22 2015 15:48:19 GMT-0700 (US Mountain Standard Time)

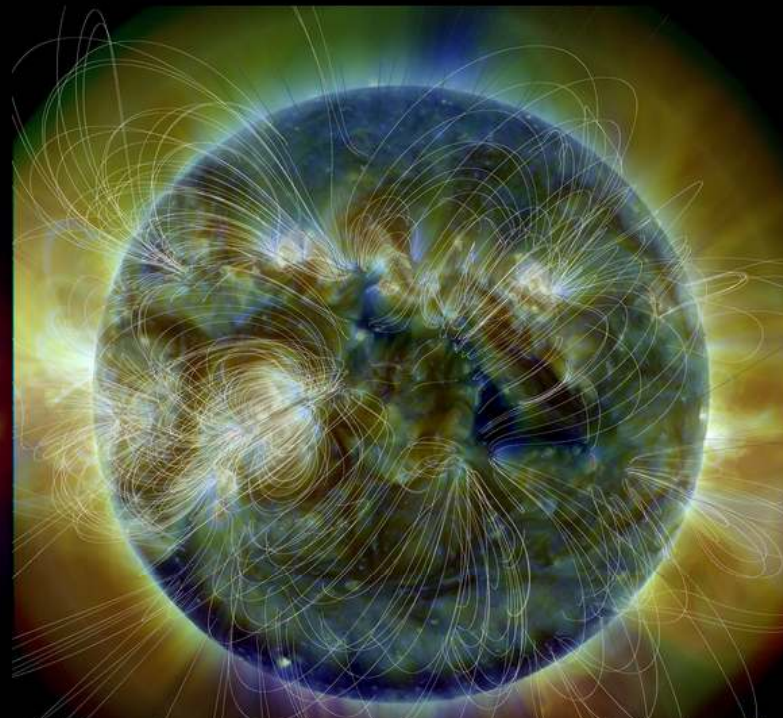
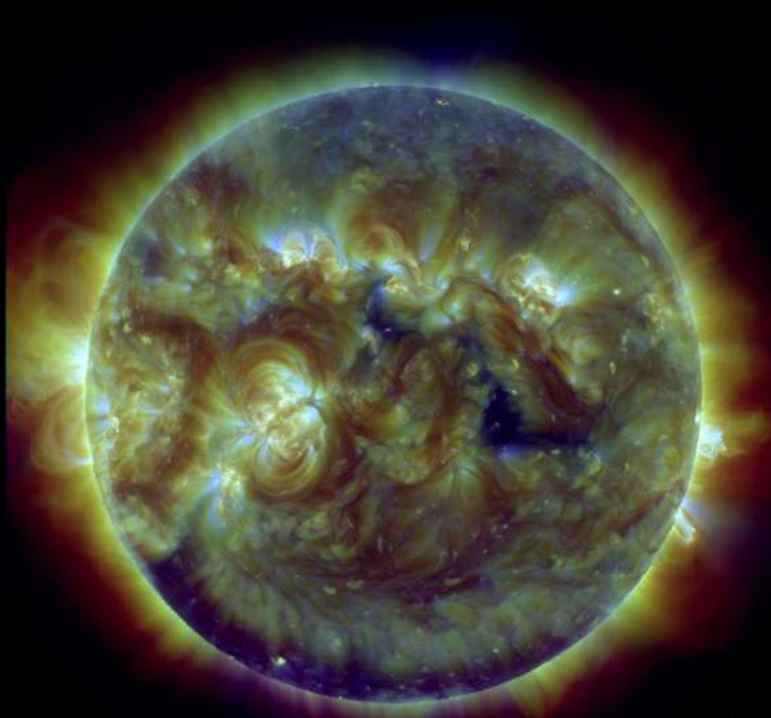


SDO/AIA 1700 2015-02-22 22:33:43 UT

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Sun, 22 Feb 2015 23:11:54 GMT Sun Feb 22 2015 16:11:54 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 23:11:41 GMT Sun Feb 22 2015 16:11:41 GMT-0700 (US Mountain Standard Time)



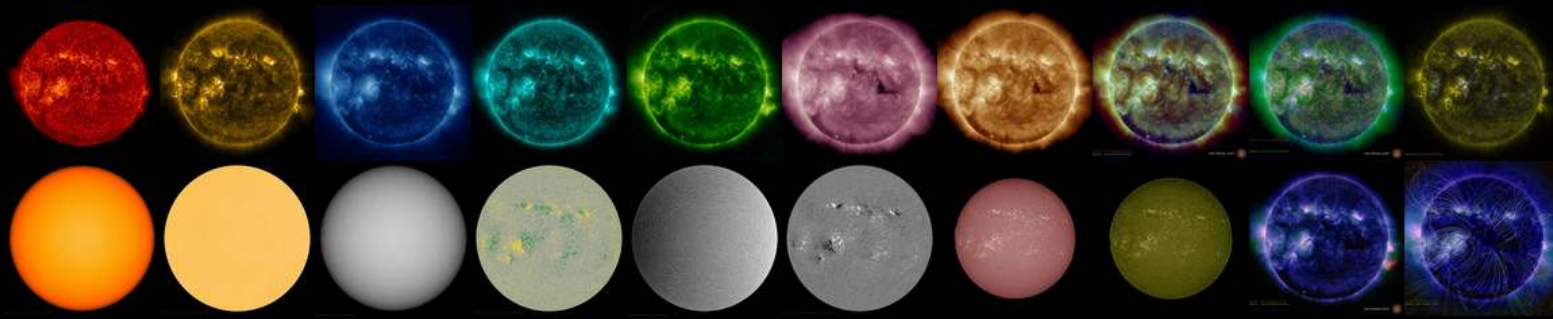
SDO/AIA - 211 2015/02/22 22:42:35
SDO/AIA - 193 2015/02/22 22:42:42
SDO/AIA - 171 2015/02/22 22:42:47

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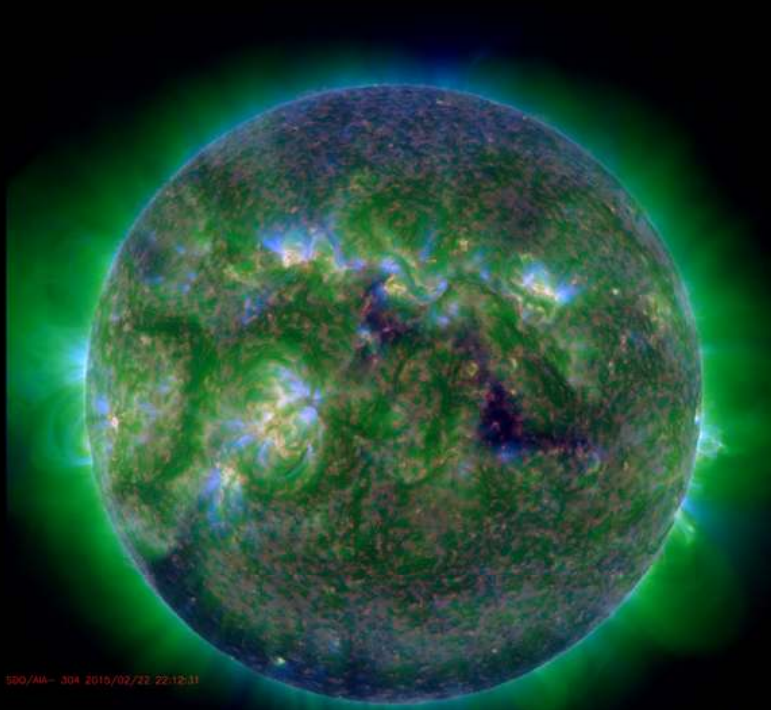


SDO/AIA - 211 20150222_173213
SDO/AIA - 193 20150222_173219
SDO/AIA - 171 20150222_173214

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Sun, 22 Feb 2015 22:50:48 GMT Sun Feb 22 2015 15:50:48 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 22:50:31 GMT Sun Feb 22 2015 15:50:31 GMT-0700 (US Mountain Standard Time)

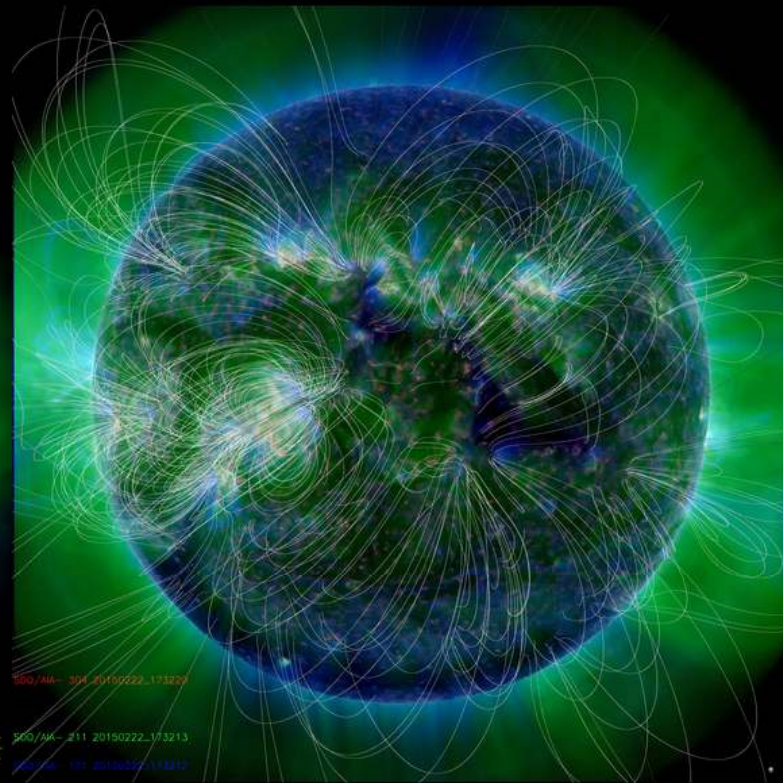


SDO/AIA - 304 2015/02/22 22:12:11

SDO/AIA - 211 2015/02/22 22:12:35

SDO/AIA - 171 2015/02/22 22:12:35

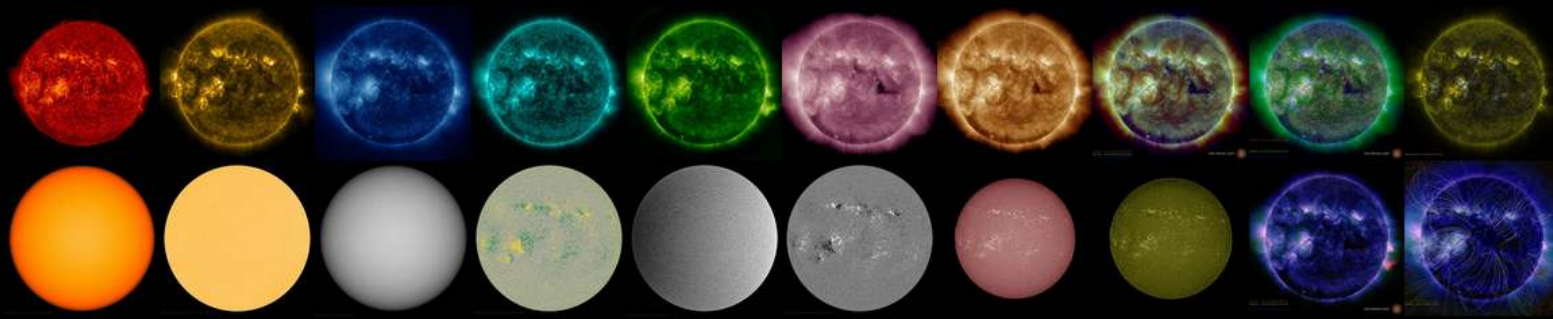
aia.lmsal.com



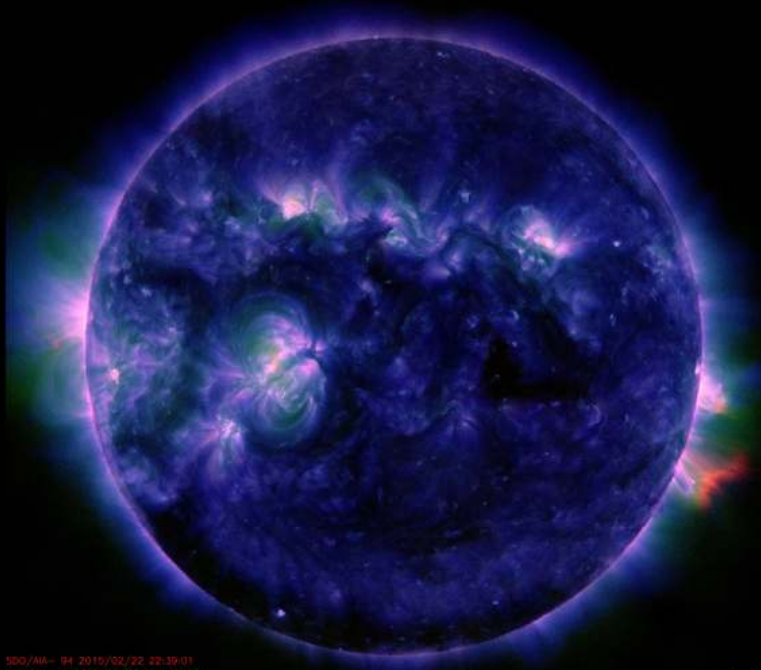
SDO/AIA - 304 20150222_173259

SDO/AIA - 211 20150222_173213

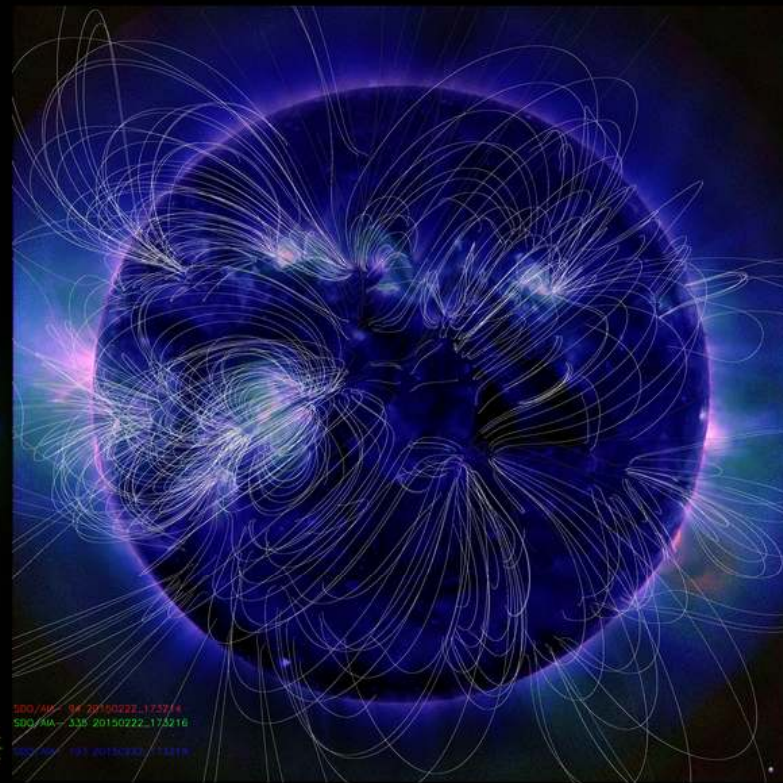
SDO/AIA - 171 20150222_173212



Sun, 22 Feb 2015 23:12:41 GMT Sun Feb 22 2015 16:12:41 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 23:12:21 GMT Sun Feb 22 2015 16:12:21 GMT-0700 (US Mountain Standard Time)

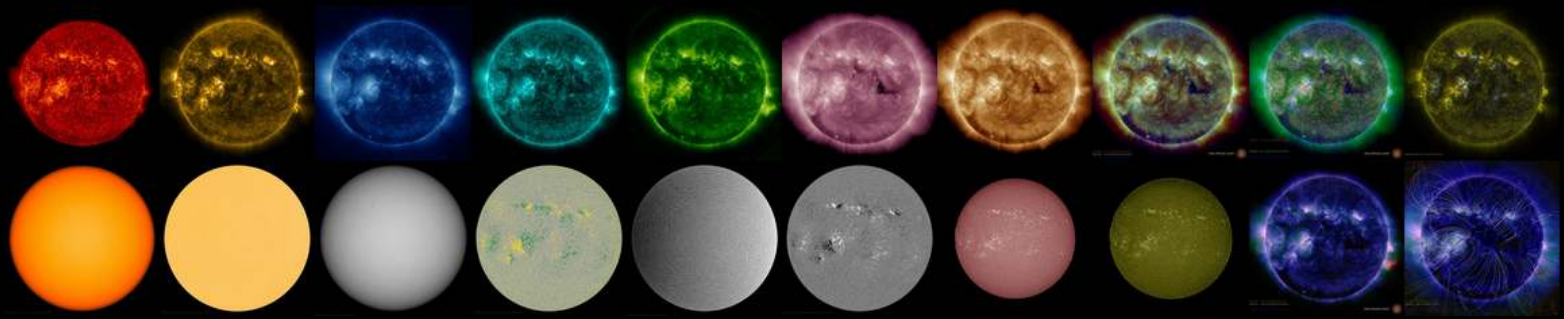


SDO/AIA - 94 2015/02/22 22:39:01
SDO/AIA - 335 2015/02/22 22:42:38
SDO/AIA - 193 2015/02/22 22:40:42

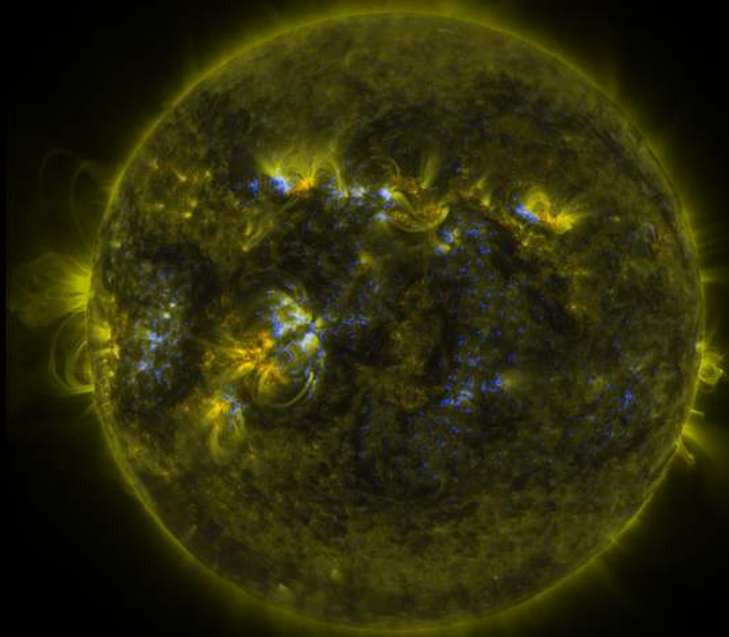


SDO/AIA - 94 20150222_175714
SDO/AIA - 335 20150222_175716
SDO/AIA - 193 20150222_175718

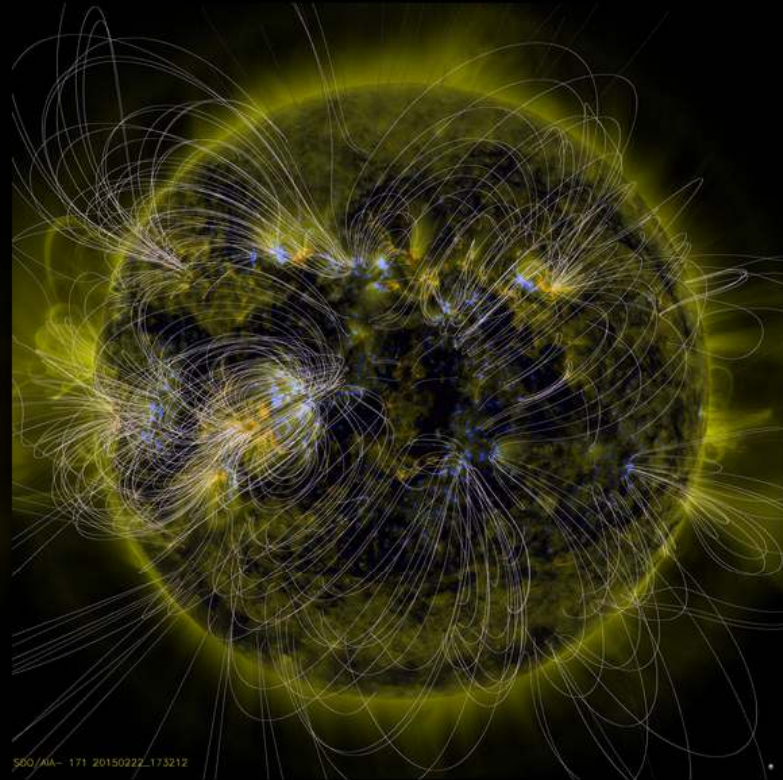
aia.lmsal.com 



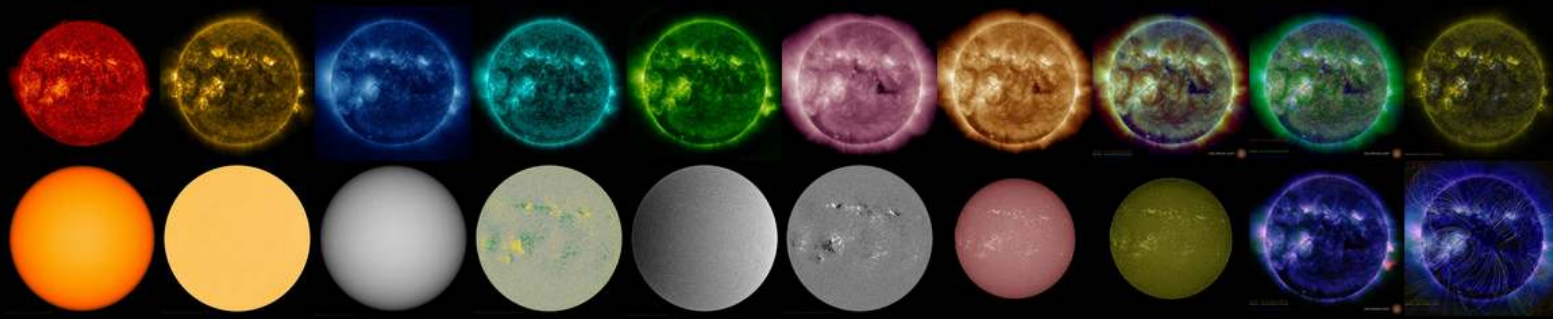
Sun, 22 Feb 2015 22:52:16 GMT Sun Feb 22 2015 15:52:16 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 22:51:57 GMT Sun Feb 22 2015 15:51:57 GMT-0700 (US Mountain Standard Time)



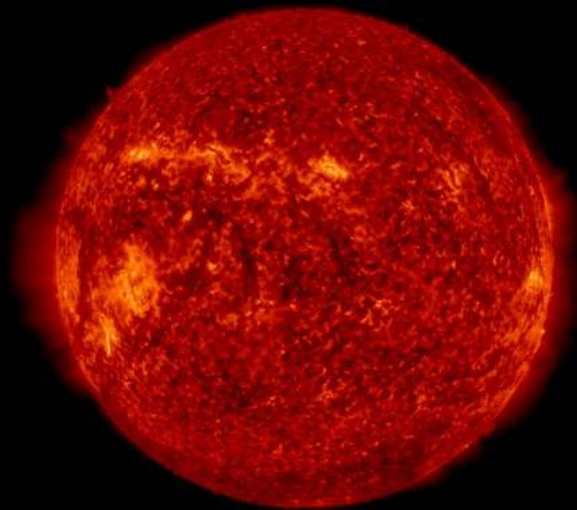
S00/HMI 2015-02-22T20:31:57.000



S00/AH- 171 20150222_173212

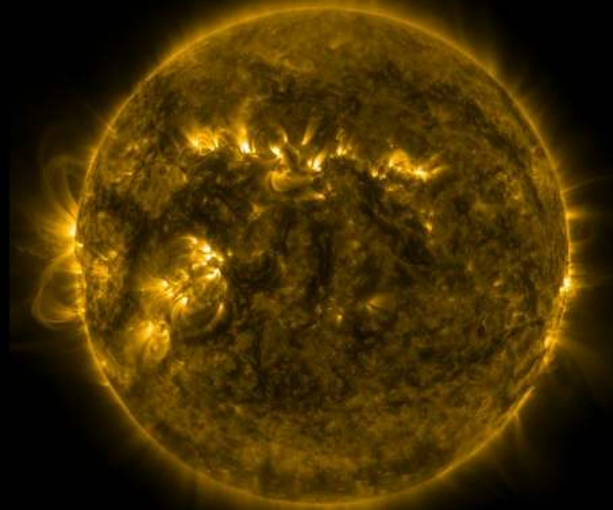


Sun, 22 Feb 2015 22:53:21 GMT Sun Feb 22 2015 15:53:21 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 22:52:38 GMT Sun Feb 22 2015 15:52:38 GMT-0700 (US Mountain Standard Time)



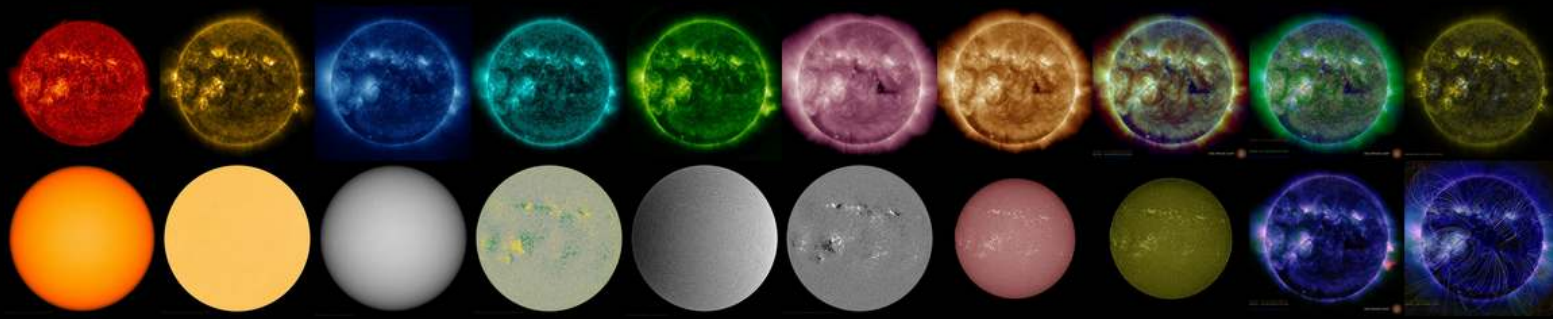
SDO/AIA 304 2015-02-21 04:54:20 UT

<http://sdo.gsfc.nasa.gov/data/>

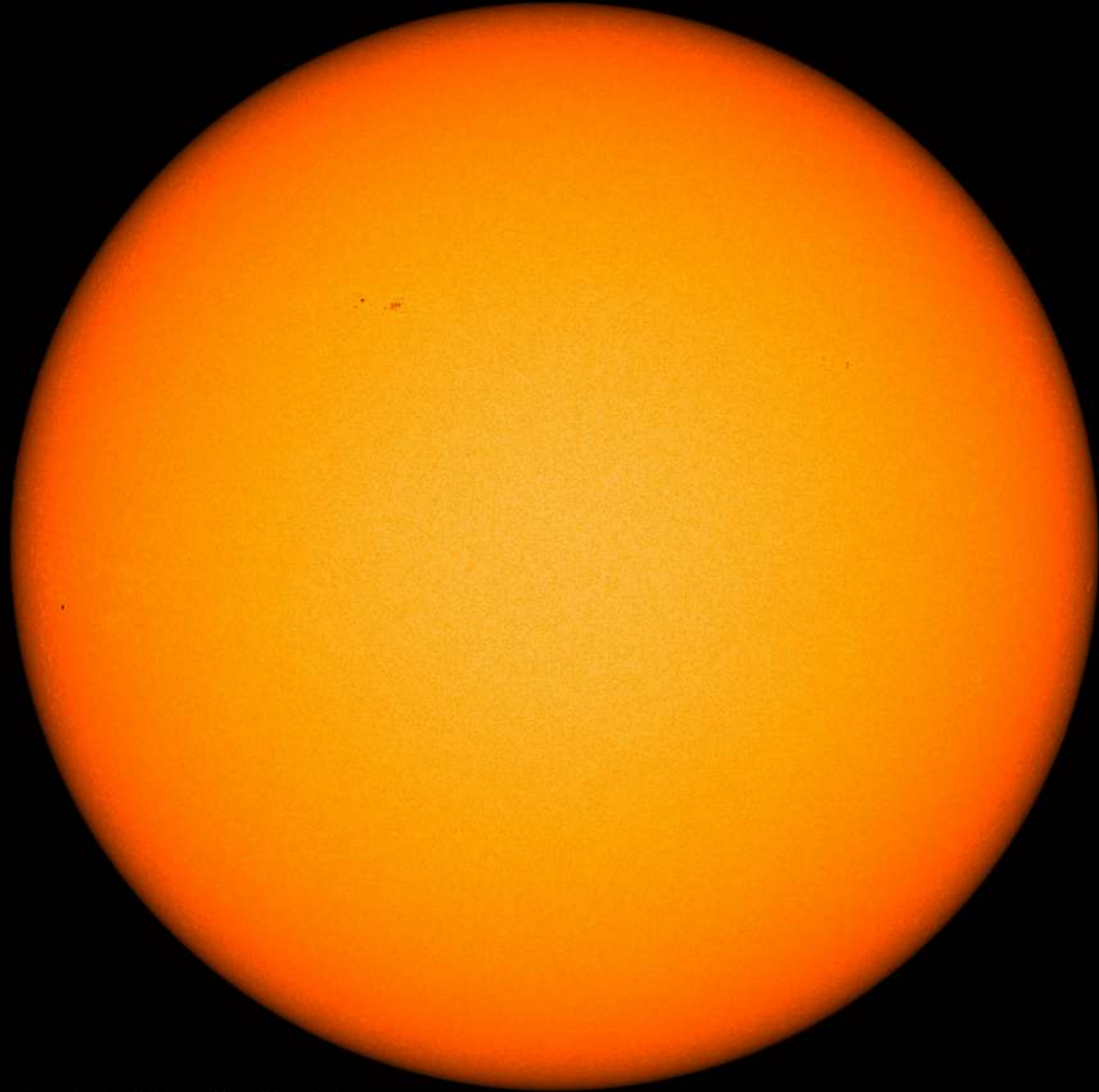


SDO/AIA 171 2015-02-22 04:57:24 UT

<http://sdo.gsfc.nasa.gov/data/>

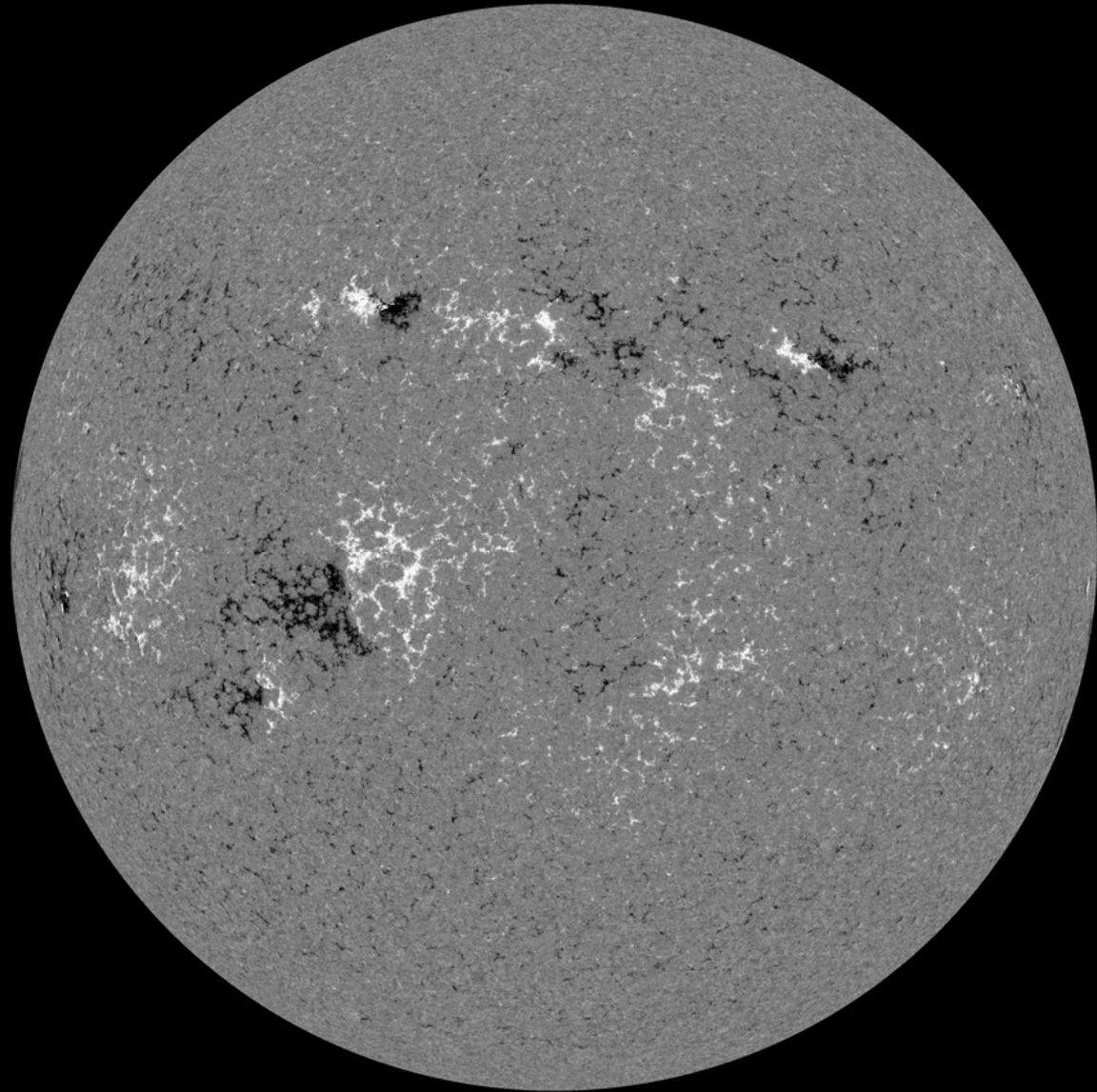


Sun, 22 Feb 2015 22:54:06 GMT Sun Feb 22 2015 15:54:06 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 22:53:52 GMT Sun Feb 22 2015 15:53:52 GMT-0700 (US Mountain Standard Time)



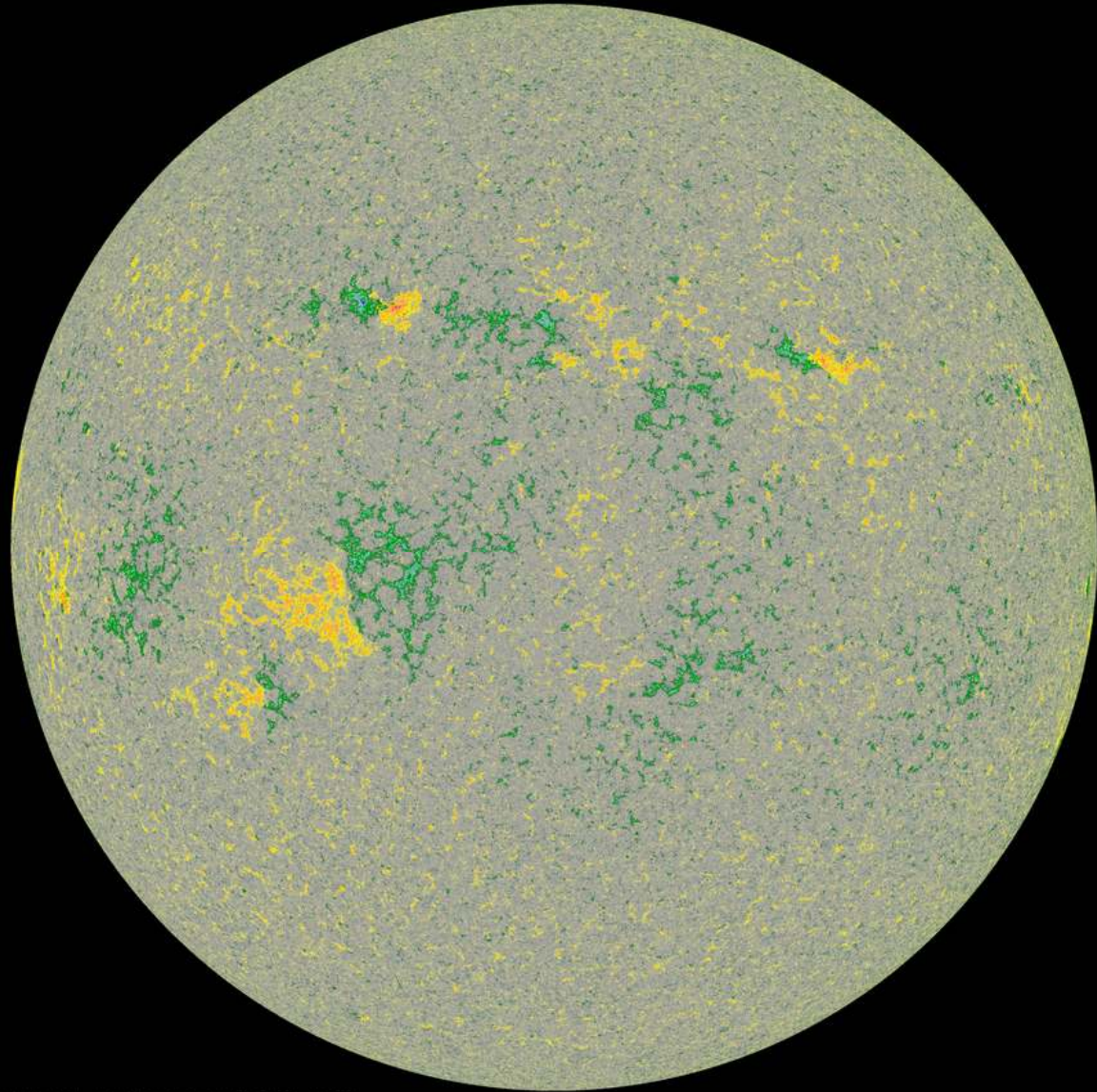
SDO/HMI Quick-Look Continuum: 20150222_221500

Sun, 22 Feb 2015 22:56:35 GMT Sun Feb 22 2015 15:56:35 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 22:56:10 GMT Sun Feb 22 2015 15:56:10 GMT-0700 (US Mountain Standard Time)



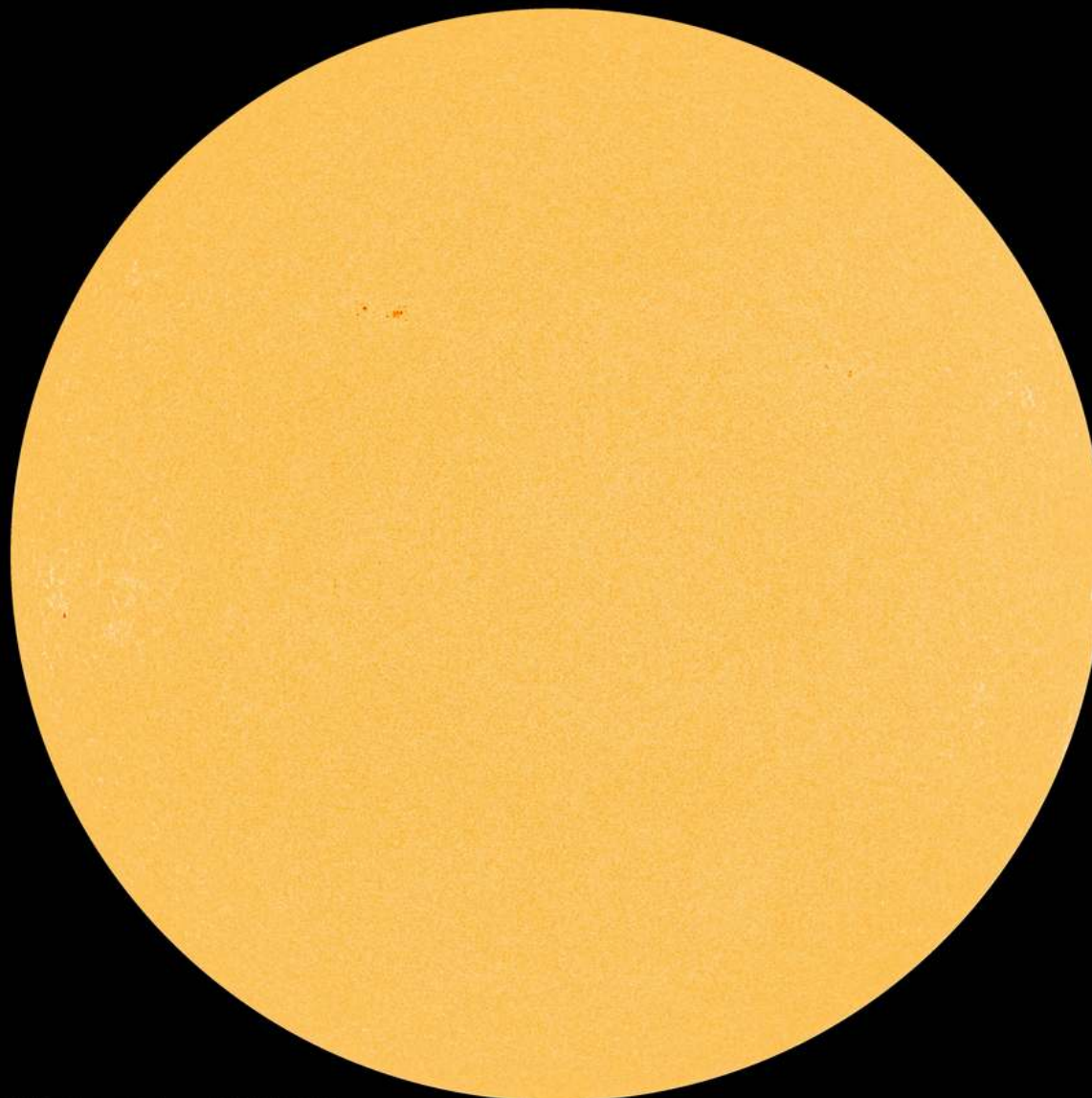
SDO/HMI Quick-Look Magnetogram: 20150222_221500

Sun, 22 Feb 2015 22:57:17 GMT Sun Feb 22 2015 15:57:17 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 22:56:55 GMT Sun Feb 22 2015 15:56:55 GMT-0700 (US Mountain Standard Time)



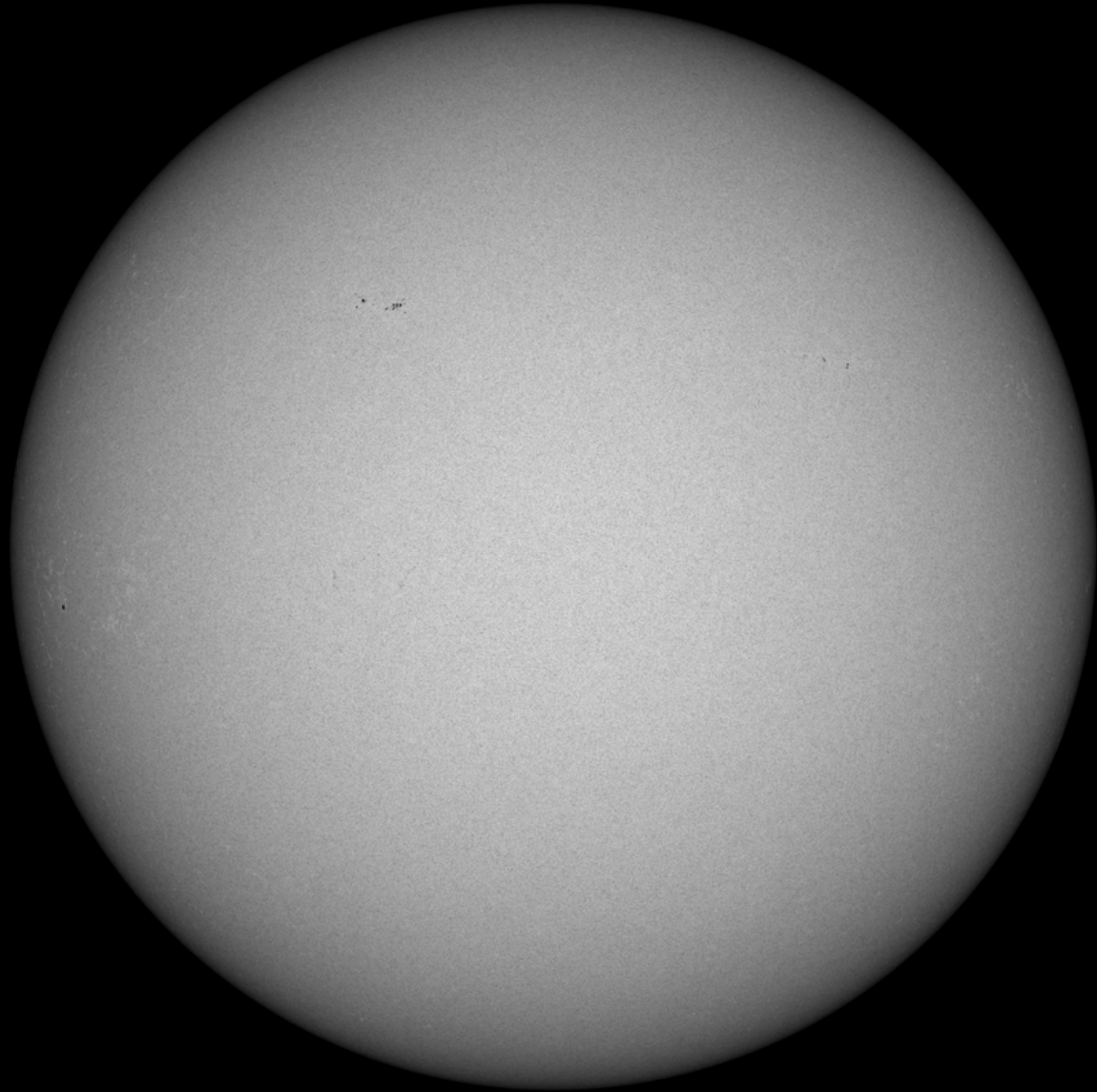
SDO/HMI Quick-Look Magnetogram: 20150222_221500

Sun, 22 Feb 2015 22:58:17 GMT Sun Feb 22 2015 15:58:17 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 22:57:58 GMT Sun Feb 22 2015 15:57:58 GMT-0700 (US Mountain Standard Time)

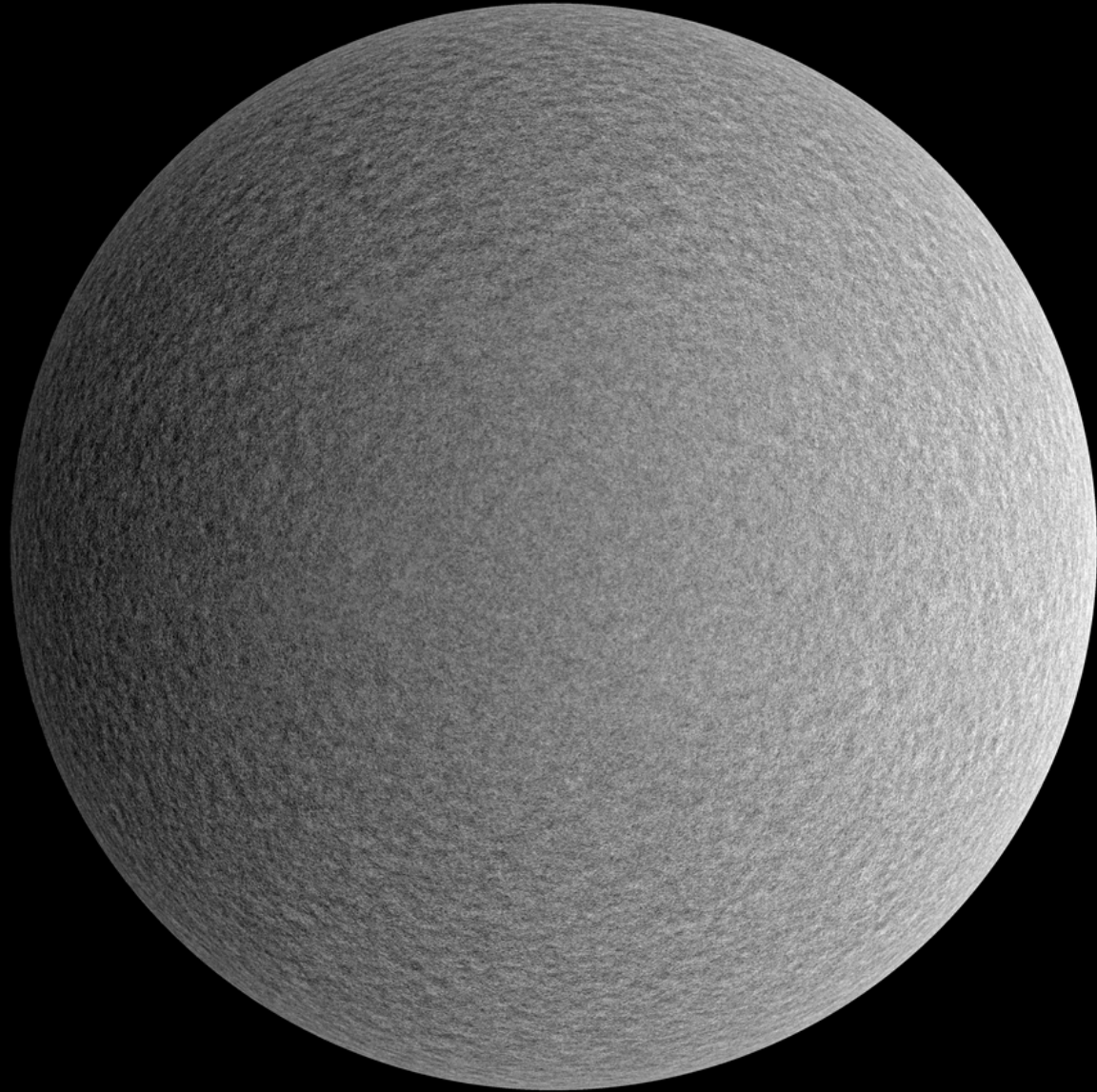


SDO/HMI Quick-Look Continuum: 20150222_221500

Sun, 22 Feb 2015 23:13:35 GMT Sun Feb 22 2015 16:13:35 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 23:13:25 GMT Sun Feb 22 2015 16:13:25 GMT-0700 (US Mountain Standard Time)

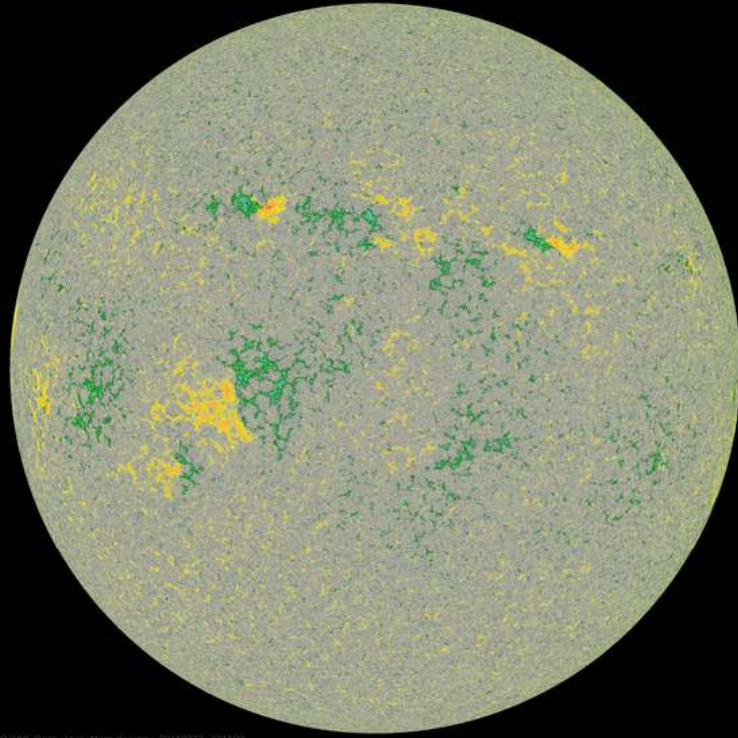


Sun, 22 Feb 2015 23:14:07 GMT Sun Feb 22 2015 16:14:07 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 23:13:56 GMT Sun Feb 22 2015 16:13:56 GMT-0700 (US Mountain Standard Time)

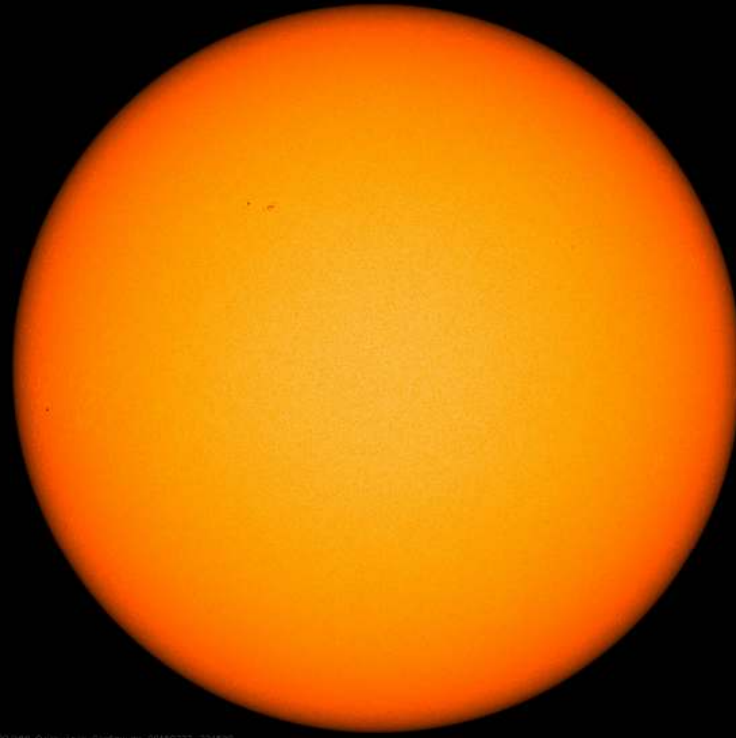


Sun, 22 Feb 2015 23:01:10 GMT
Sun, 22 Feb 2015 23:00:55 GMT

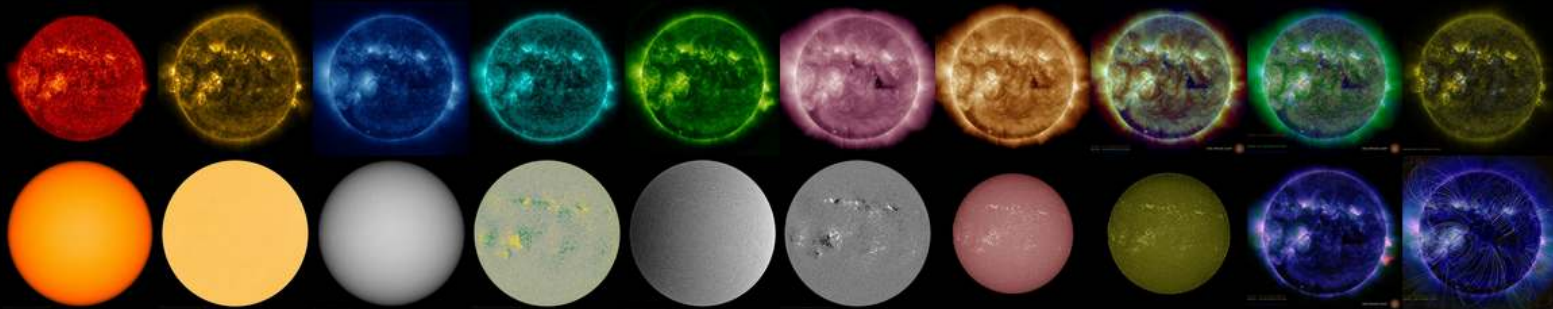
Sun Feb 22 2015 16:01:10 GMT-0700 (US Mountain Standard Time)
Sun Feb 22 2015 16:00:55 GMT-0700 (US Mountain Standard Time)



SDO/HMI G1000-Look Magnetogram: 20150222_221500

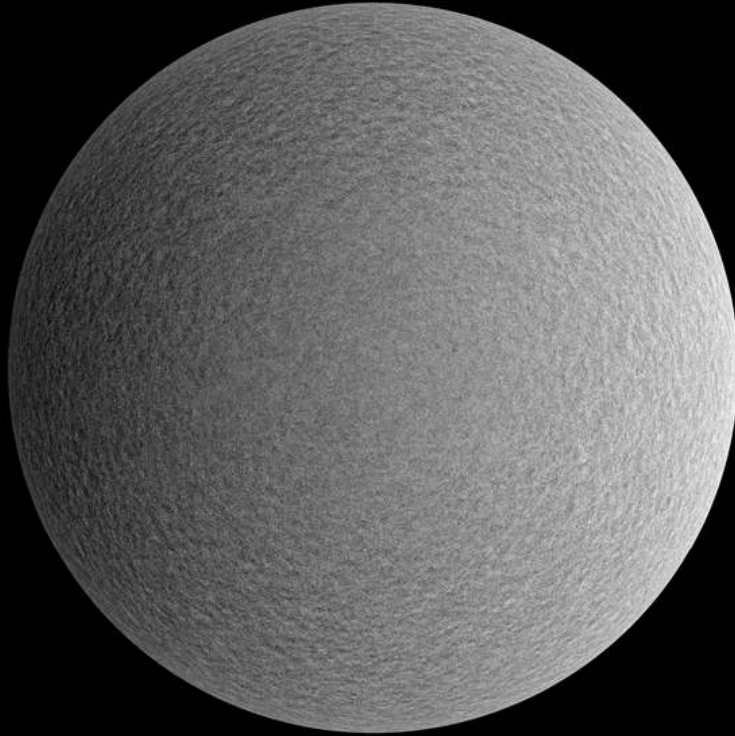


SDO/HMI G1000-Look Continuum: 20150222_221500

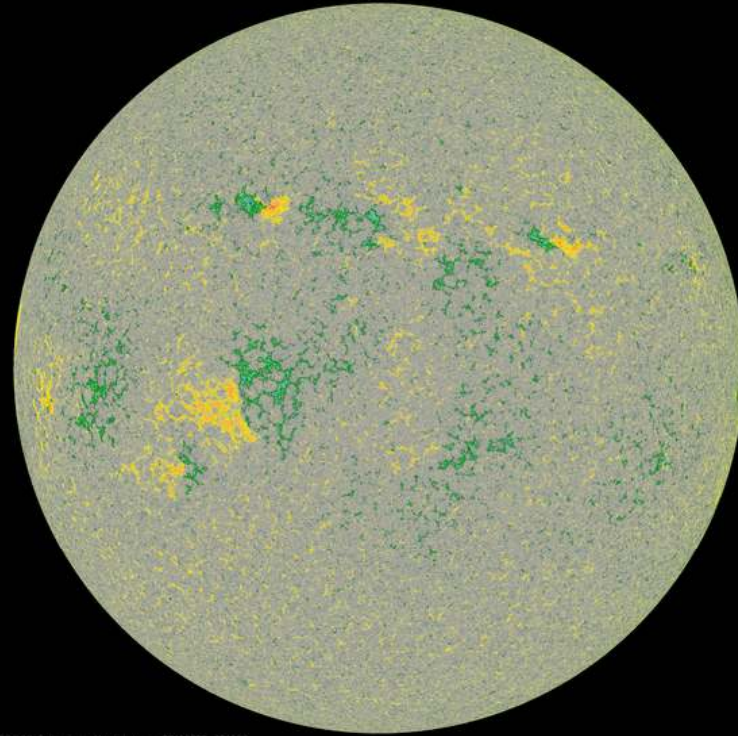


Sun, 22 Feb 2015 23:01:37 GMT
Sun, 22 Feb 2015 23:01:29 GMT

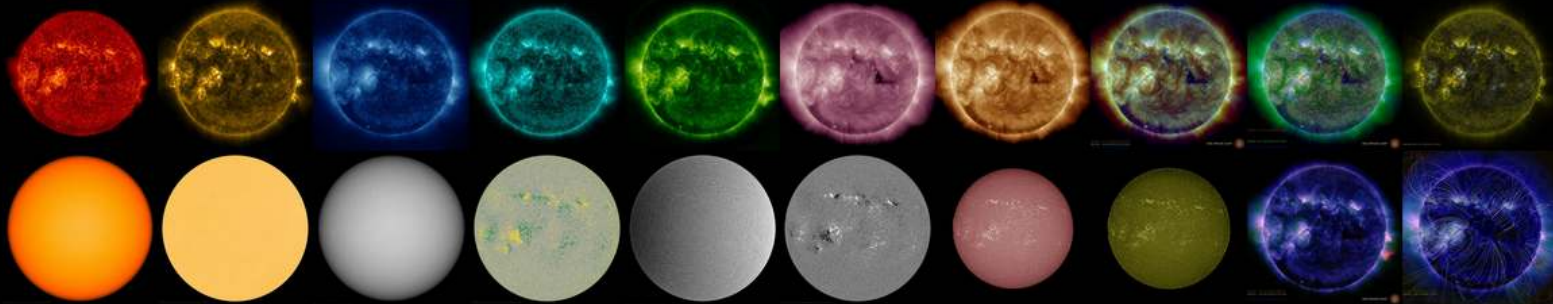
Sun Feb 22 2015 16:01:37 GMT-0700 (US Mountain Standard Time)
Sun Feb 22 2015 16:01:29 GMT-0700 (US Mountain Standard Time)



100/100 Full-Disk Magnetogram - 20150222_231500

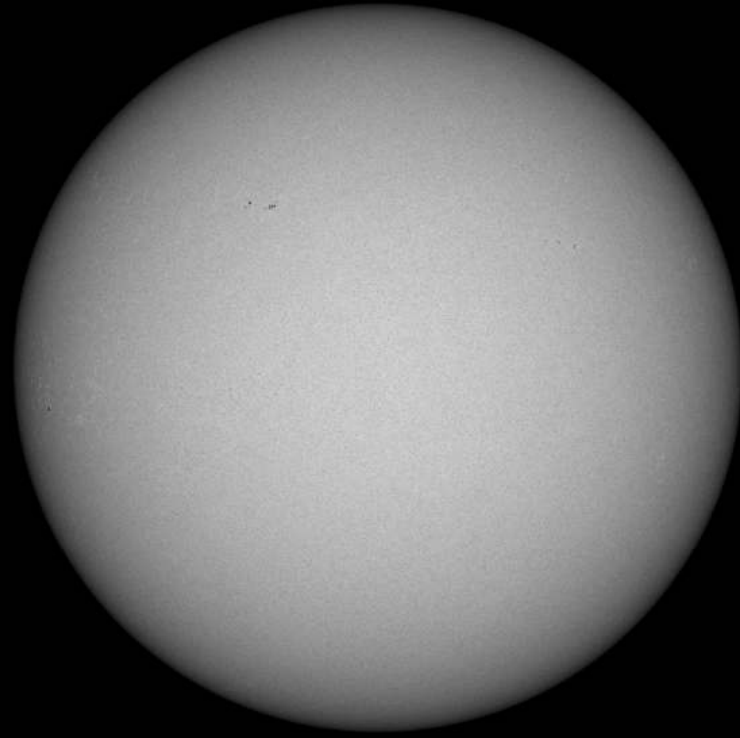
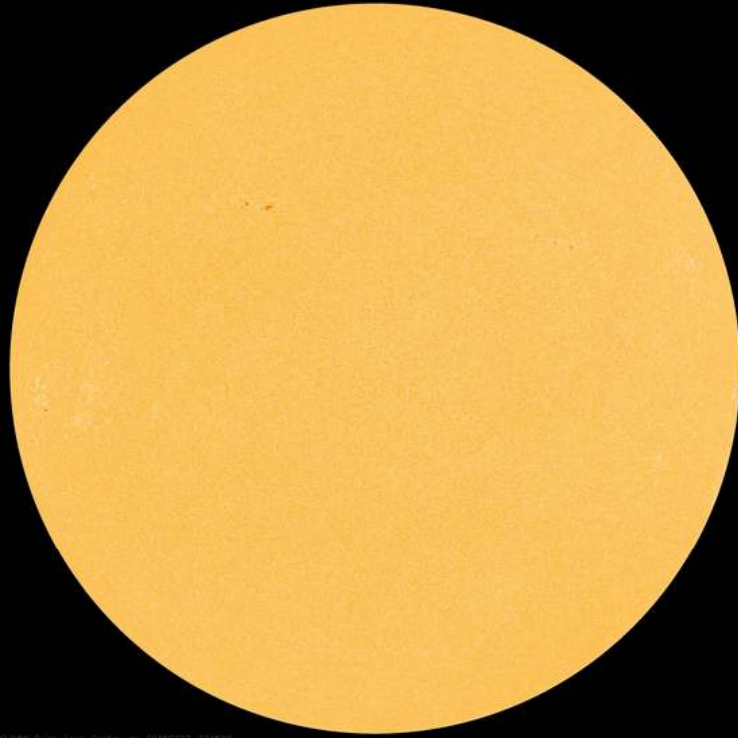


100/100 Guizhou Magnetogram - 20150222_231500



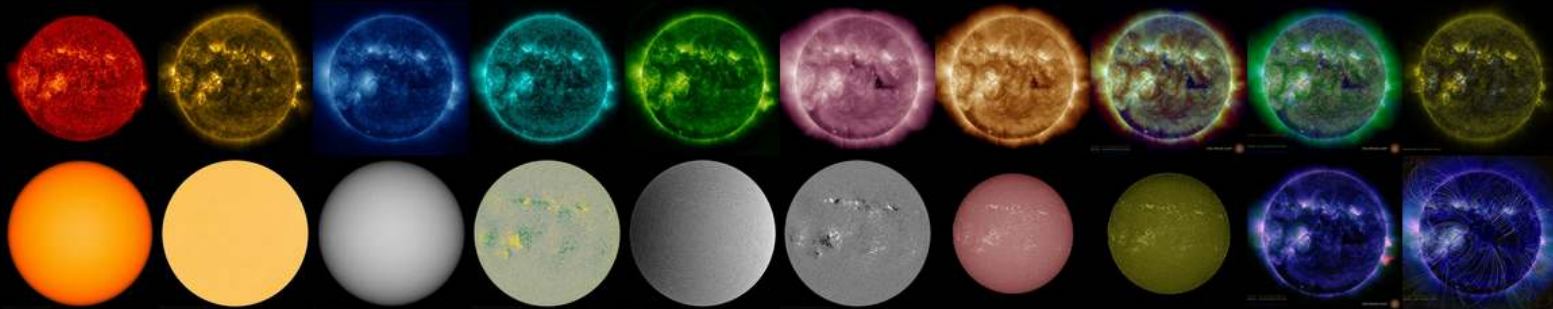
Sun, 22 Feb 2015 23:02:12 GMT
Sun, 22 Feb 2015 23:02:00 GMT

Sun Feb 22 2015 16:02:12 GMT-0700 (US Mountain Standard Time)
Sun Feb 22 2015 16:02:00 GMT-0700 (US Mountain Standard Time)



SDO/HMI G1000-Look Continuum: 20150223_231500

SDO/HMI G1000-Look Continuum: 20150222_160200



Sun, 22 Feb 2015 23:02:39 GMT Sun Feb 22 2015 16:02:38 GMT-0700 (US Mountain Standard Time)
 Sun, 22 Feb 2015 23:02:33 GMT Sun Feb 22 2015 16:02:33 GMT-0700 (US Mountain Standard Time)

SDO/HMI Tracked AR (HARP)
 2015/02/22
 22:00

near real-time (nrt) data

NOAA ARs
 12290
 12287
 12284

HARPs
 3698
 3701
 3702
 3703
 3705

SDO HMI: 22-Feb-2015



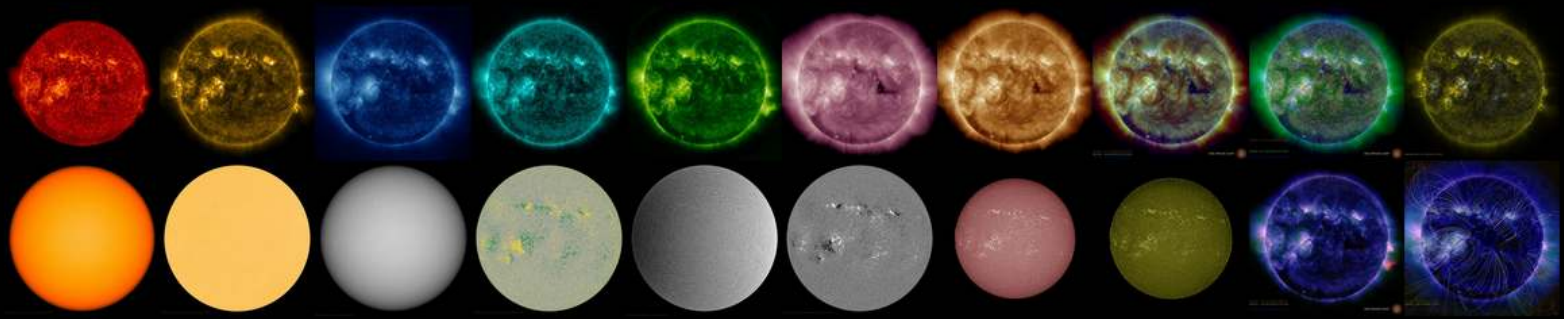
H = 12
 ! = 0 (new)
 + = 0 (merge)
 (= 0 (pad before)
) = 0 (pad after)
 ~ = 1 (use past)
 ? = 0 (placeholder)

~3688
 3694
 3699
 3711
 3715
 3716
 3717

HARPs: numbered boxes; active region colored
 NOAA ARs: numerical label shifted to near equator

10 Earth

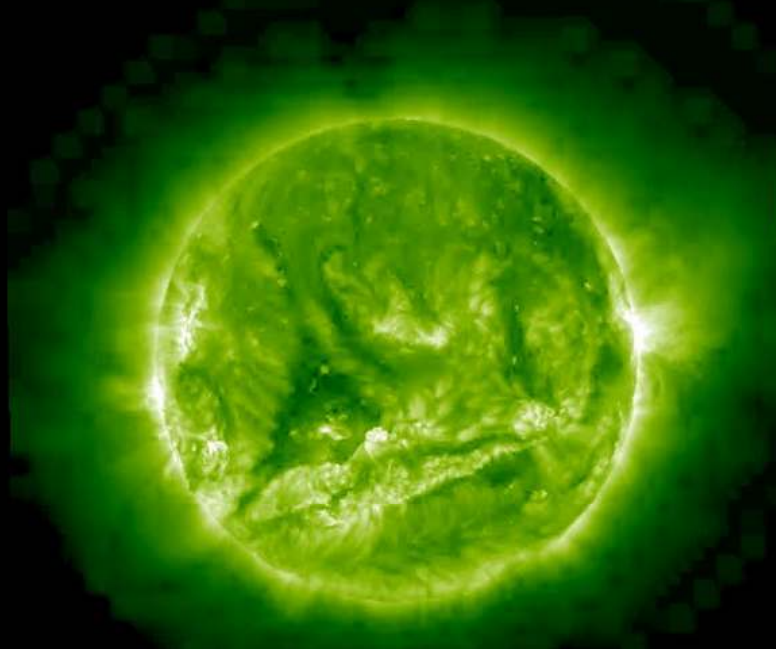
o Jupiter
 Earth



Sun, 22 Feb 2015 23:03:09 GMT
Sun, 22 Feb 2015 23:03:01 GMT

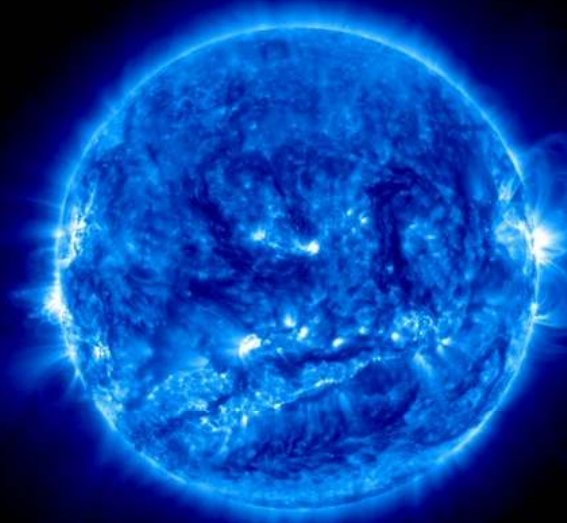
Sun Feb 22 2015 16:03:09 GMT-0700 (US Mountain Standard Time)
Sun Feb 22 2015 16:03:01 GMT-0700 (US Mountain Standard Time)

STEREO Ahead EUVI 195

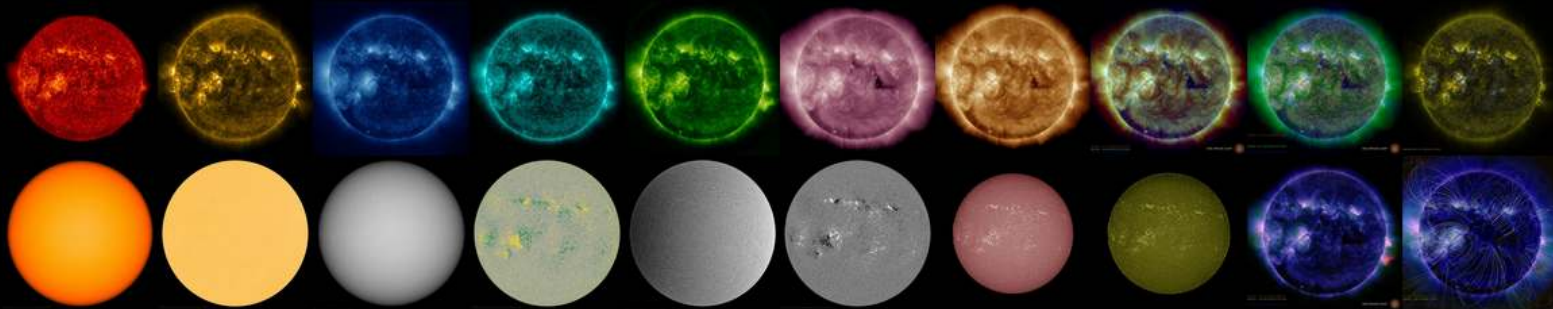


2015-02-22 21:45:00

STEREO Ahead EUVI 171



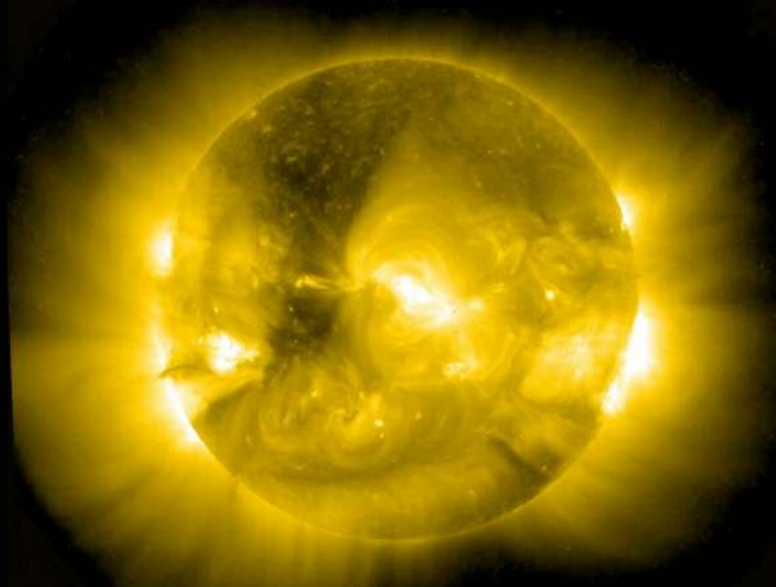
2015-02-22 10:40:29



Sun, 22 Feb 2015 23:14:55 GMT
Sun, 22 Feb 2015 23:14:48 GMT

Sun Feb 22 2015 16:14:55 GMT-0700 (US Mountain Standard Time)
Sun Feb 22 2015 16:14:48 GMT-0700 (US Mountain Standard Time)

STEREO Ahead EUVI 284

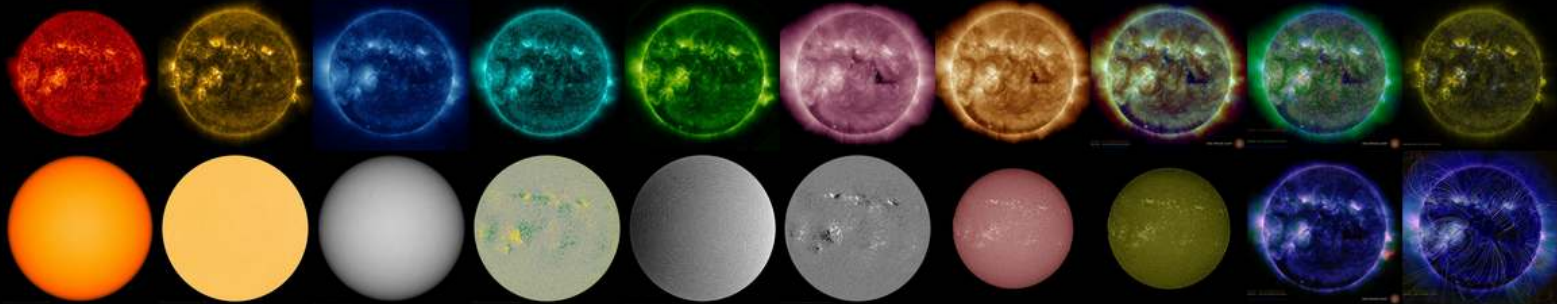


2015-02-15 15:42:00

STEREO Ahead EUVI 304



2015-02-21 07:15:29



Sun, 22 Feb 2015 23:04:09 GMT Sun Feb 22 2015 16:04:09 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 23:03:59 GMT Sun Feb 22 2015 16:03:59 GMT-0700 (US Mountain Standard Time)

STEREO Ahead EUVI 195



2015-02-22 21:45:00

STEREO Ahead EUVI 171



2015-02-22 10:40:29

STEREO Ahead EUVI 284



2015-02-15 15:42:00

STEREO Ahead EUVI 304



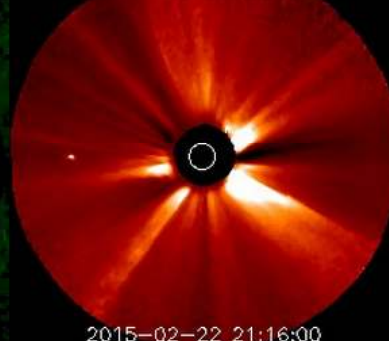
2015-02-21 07:15:29

STEREO Ahead COR1



2015-02-22 21:20:20

STEREO Ahead COR2



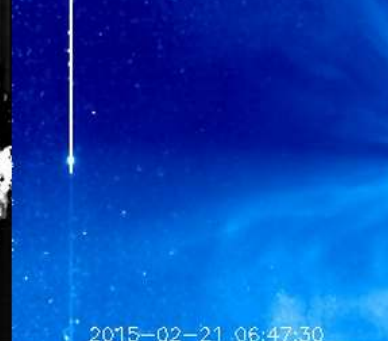
2015-02-22 21:16:00

STEREO Ahead HI2

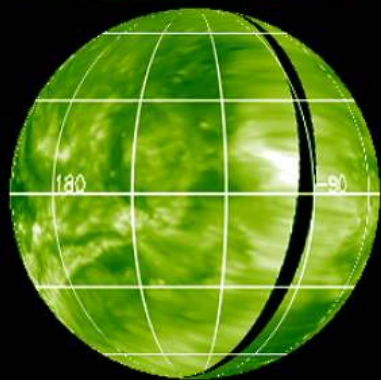


2015-02-17 21:50:50

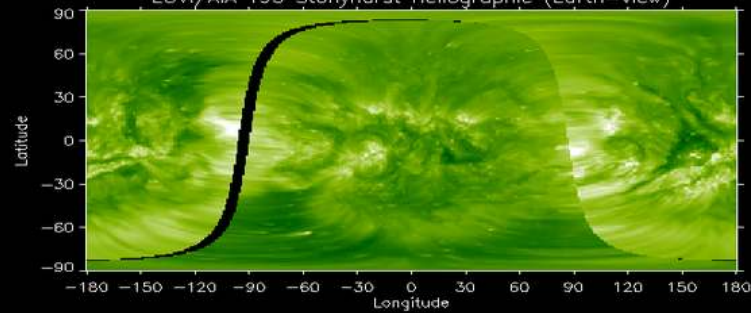
STEREO Ahead HI1



2015-02-21 06:47:30

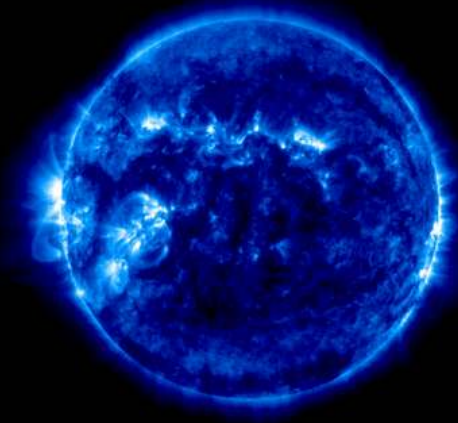


EUVI/AIA 195 Stonyhurst Heliographic (Earth-view)

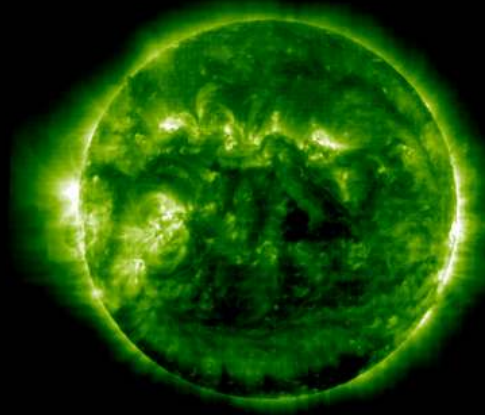


Observation date: 2015/02/22 21:45:00

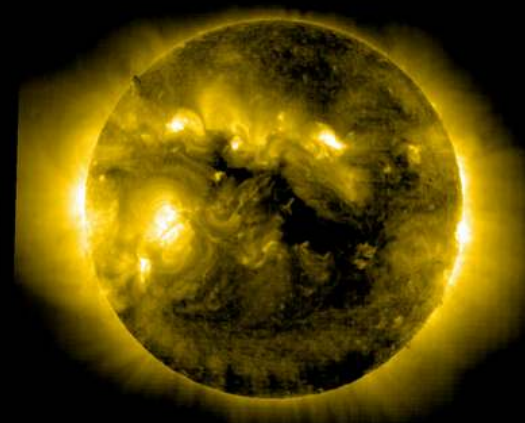
Sun, 22 Feb 2015 23:15:33 GMT Sun Feb 22 2015 16:15:33 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 23:15:26 GMT Sun Feb 22 2015 16:15:26 GMT-0700 (US Mountain Standard Time)



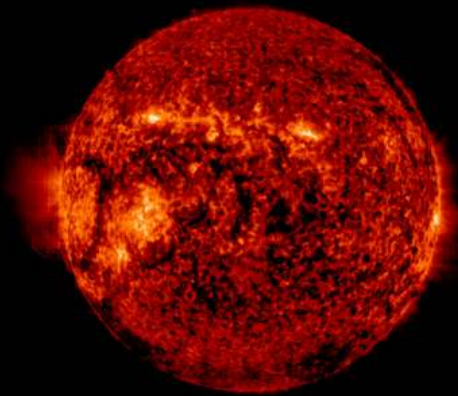
2015/02/22 01:00



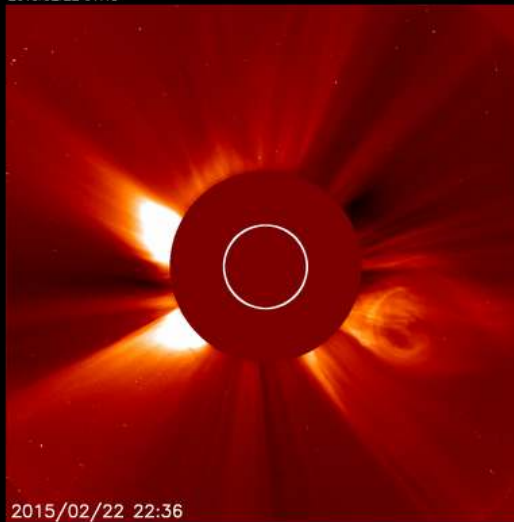
2015/02/22 01:13



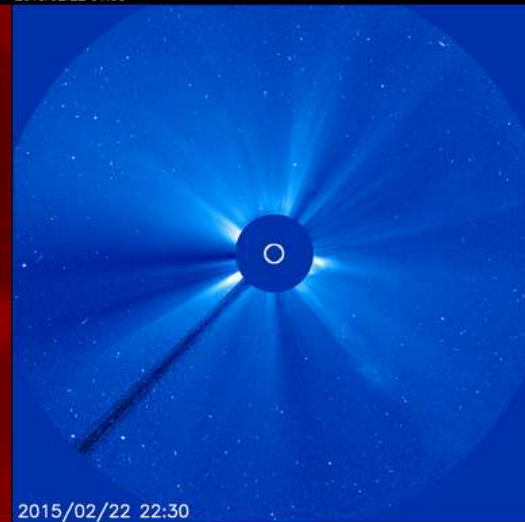
2015/02/22 01:06



2015/02/22 01:19

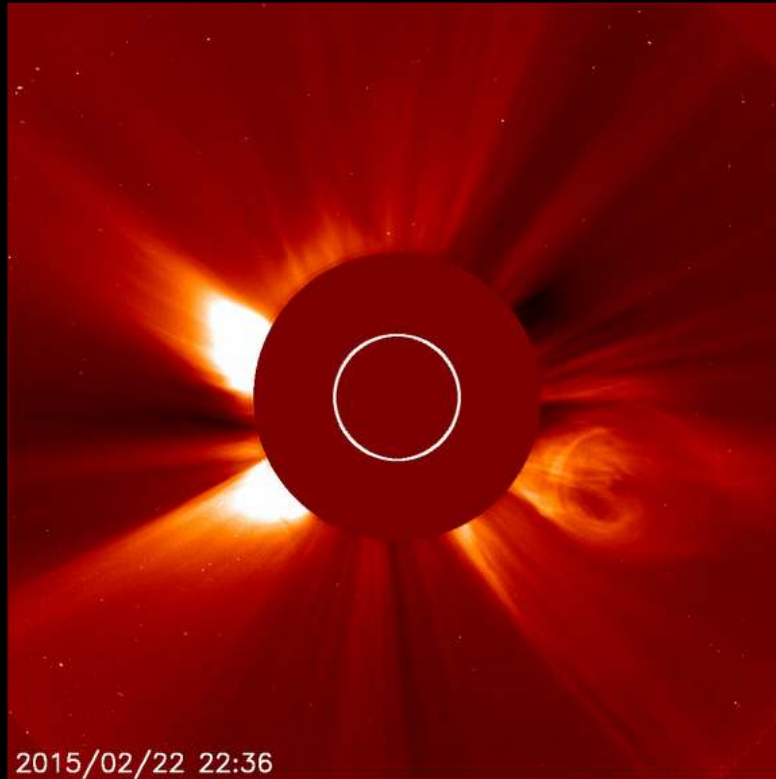


2015/02/22 22:36

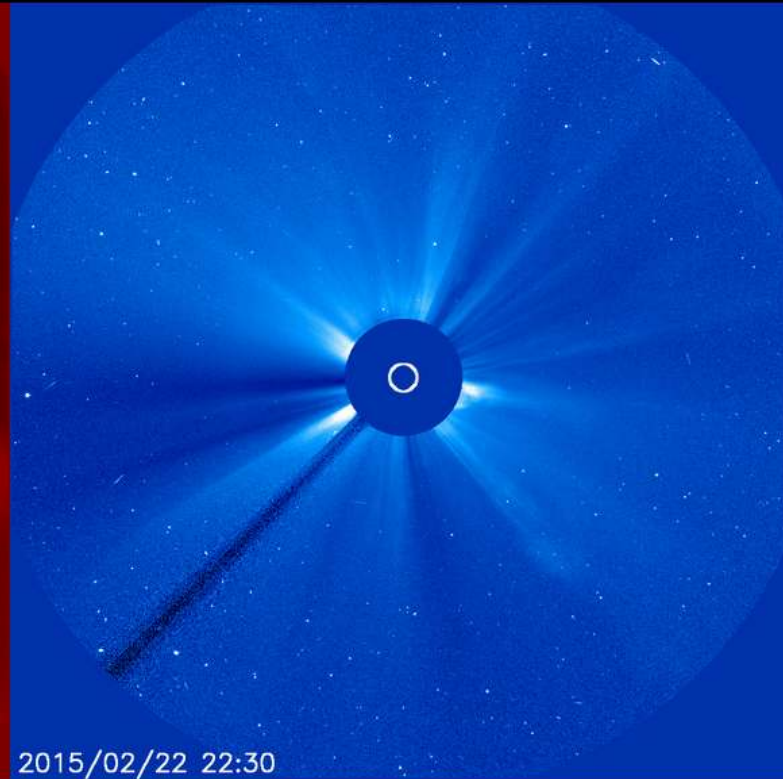


2015/02/22 22:30

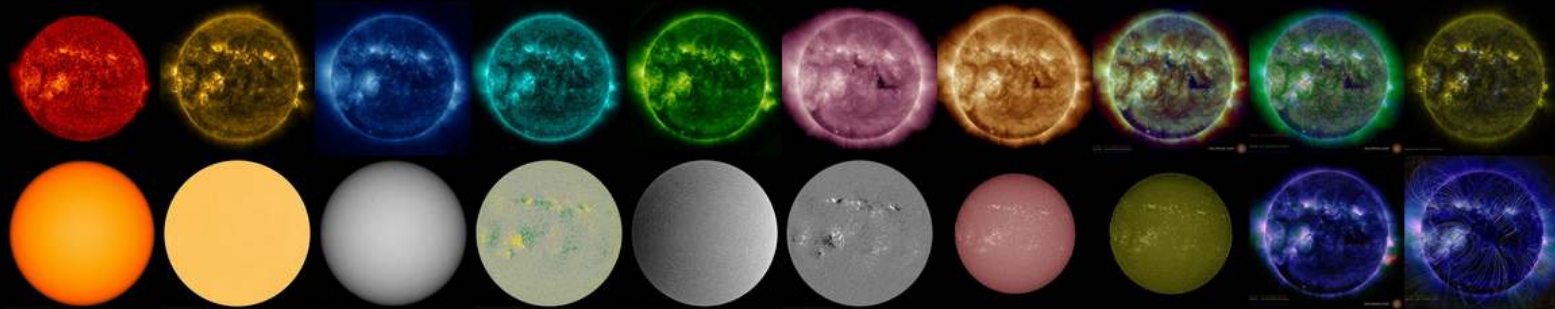
Sun, 22 Feb 2015 23:16:03 GMT Sun Feb 22 2015 16:16:03 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 23:15:55 GMT Sun Feb 22 2015 16:15:55 GMT-0700 (US Mountain Standard Time)



2015/02/22 22:36



2015/02/22 22:30



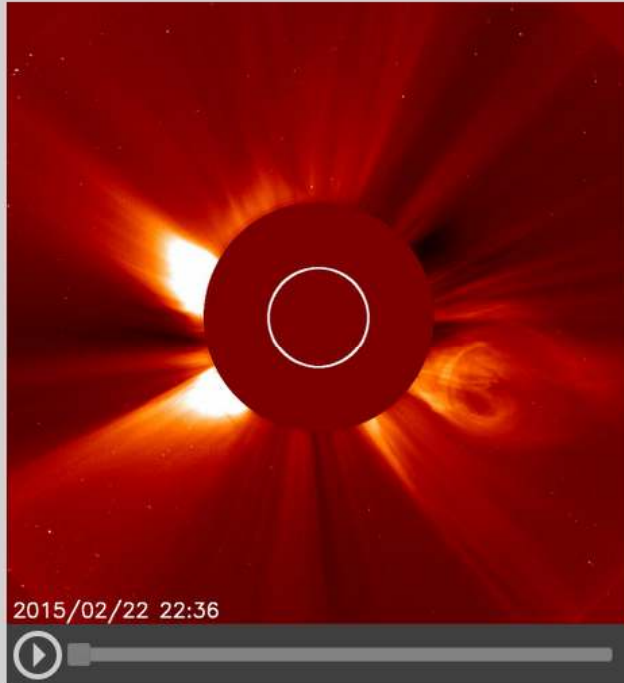


CURRENT SPACE WEATHER CONDITIONS on NOAA Scales

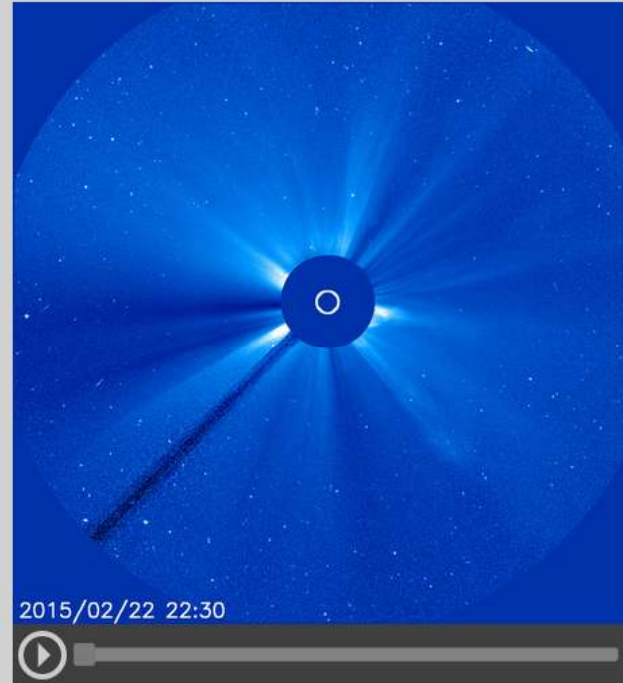


LASCO CORONAGRAPH

LASCO C2



LASCO C3



Imagery provided courtesy of NASA and ESA.

[Usage](#) [Impacts](#) [Details](#) [History](#) [Data](#)

LASCO images have been used by the SWPC forecast office to characterize the solar corona heating and transient events, including CME's, and to see the effects of the corona on the solar wind. More recently, the LASCO images are vital to the WSA-Enlil model that became operational in October of 2011. WSA-Enlil has become an important tool for forecasting the impact of Coronal Mass Ejections and the effects of the Solar Wind on the Earth.



Sun, 22 Feb 2015 23:16:58 GMT Sun Feb 22 2015 16:16:58 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 23:16:52 GMT Sun Feb 22 2015 16:16:52 GMT-0700 (US Mountain Standard Time)

GOES-15 SXI Level-1
NOAA/SWPC Boulder, CO

DN/sec

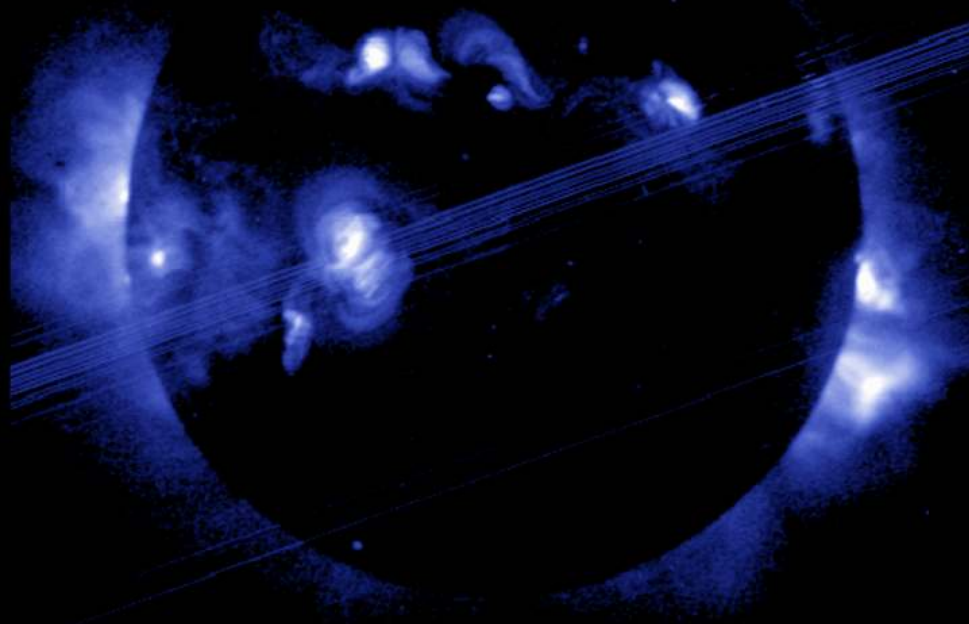
4100

3075

2050

1025

1



2015-02-22 23:12:15 UTC BE12A 1.0 s

Sun, 22 Feb 2015 23:17:31 GMT Sun Feb 22 2015 16:17:31 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 23:17:23 GMT Sun Feb 22 2015 16:17:23 GMT-0700 (US Mountain Standard Time)

GOES-15 SXI Level-1
NOAA/SWPC Boulder, CO

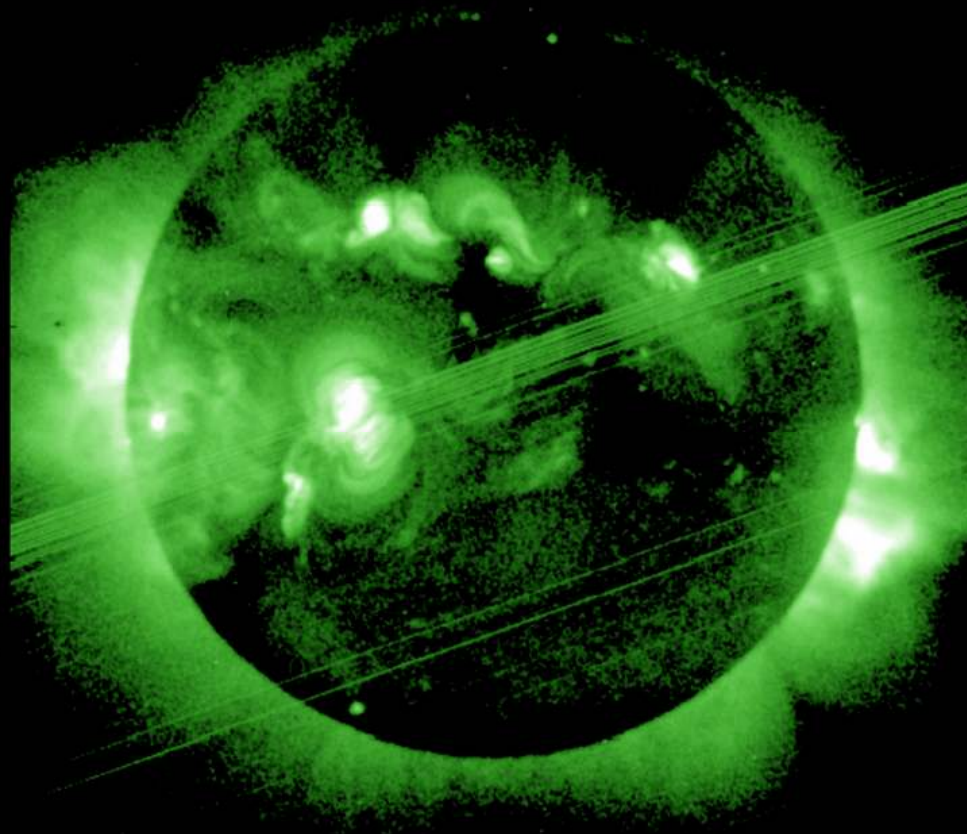
DN/sec
10270

7702

5135

2567

1



2015-02-22 23:08:15 UTC PTHK 0.4 s

Sun, 22 Feb 2015 23:18:00 GMT Sun Feb 22 2015 16:18:00 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 23:17:53 GMT Sun Feb 22 2015 16:17:53 GMT-0700 (US Mountain Standard Time)

GOES-15 SXI Level-1
NOAA/SWPC Boulder, CO

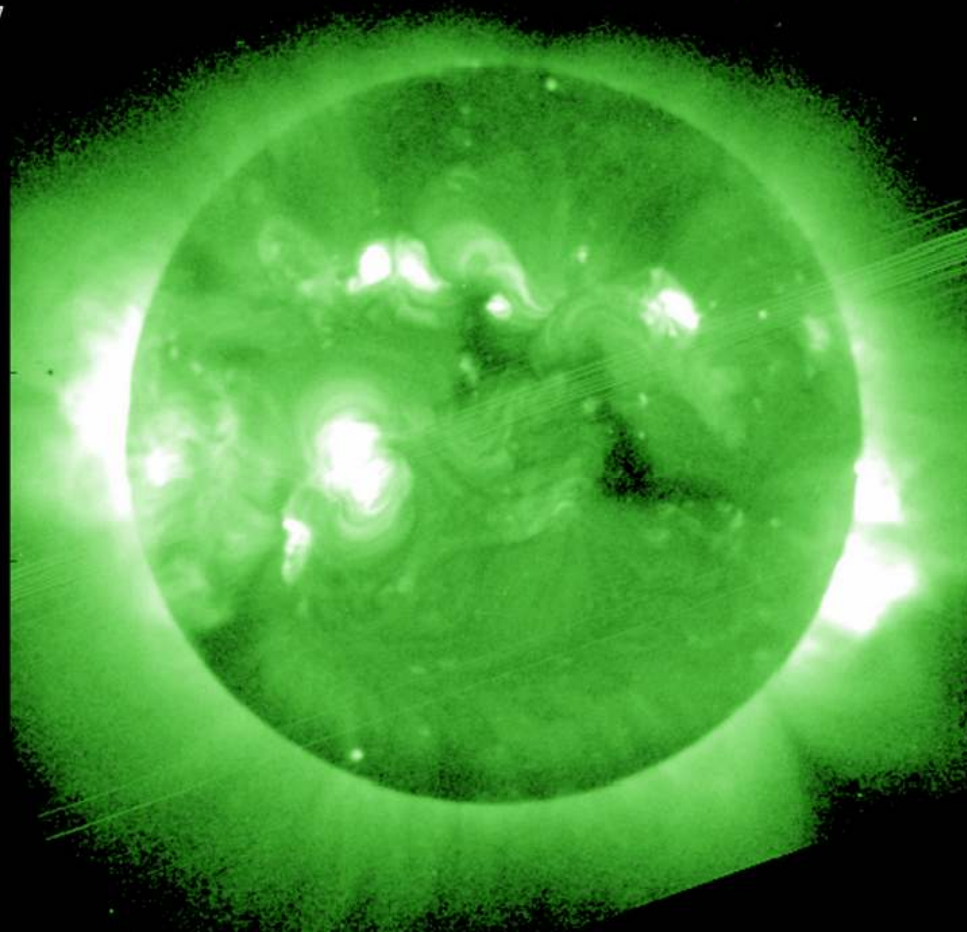
DN/sec
10257

7692

5128

2564

1



2015-02-22 23:08:00 UTC PTHNA 0.4 s

Sun, 22 Feb 2015 23:18:58 GMT Sun Feb 22 2015 16:18:58 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 23:18:51 GMT Sun Feb 22 2015 16:18:51 GMT-0700 (US Mountain Standard Time)

GOES-15 SXI Level-1
NOAA/SWPC Boulder, CO

DN/sec
8205

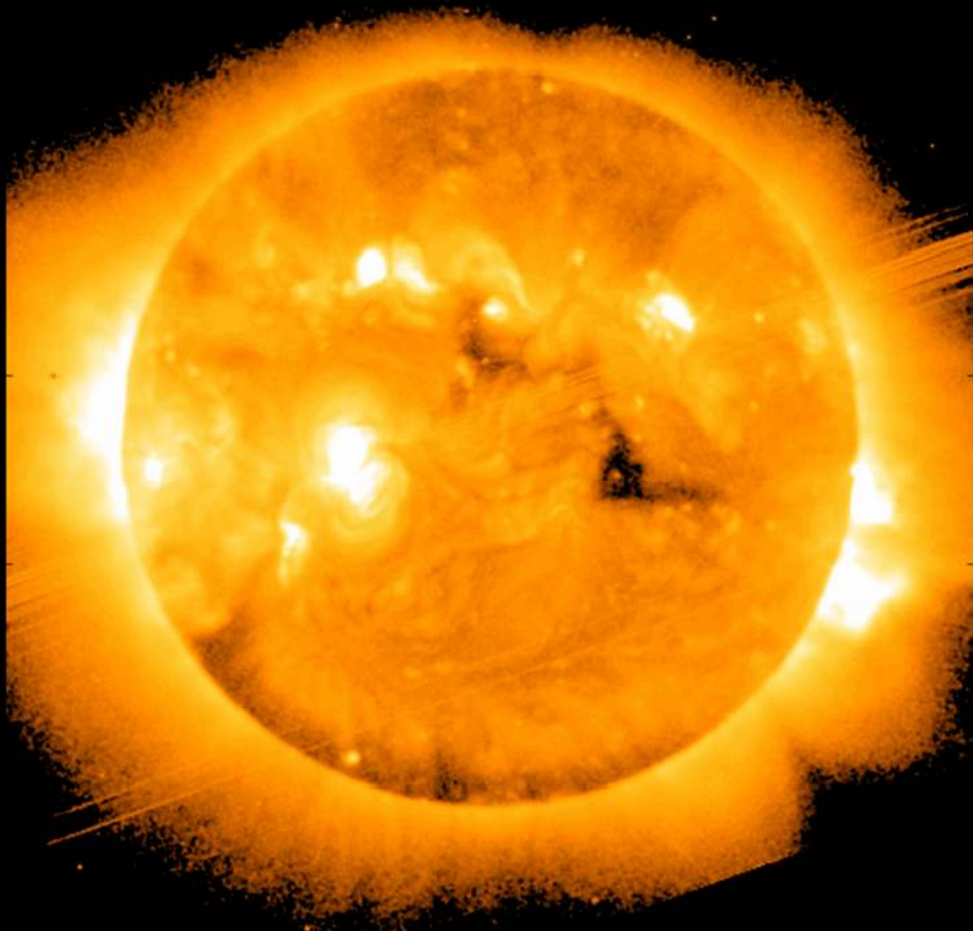
8205

6153

4102

2051

1



2015-02-22 23:14:15 UTC TM 0.5 s

Sun, 22 Feb 2015 23:19:55 GMT Sun Feb 22 2015 16:19:55 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 23:19:49 GMT Sun Feb 22 2015 16:19:49 GMT-0700 (US Mountain Standard Time)

GOES-15 SXI Level-1
NOAA/SWPC Boulder, CO

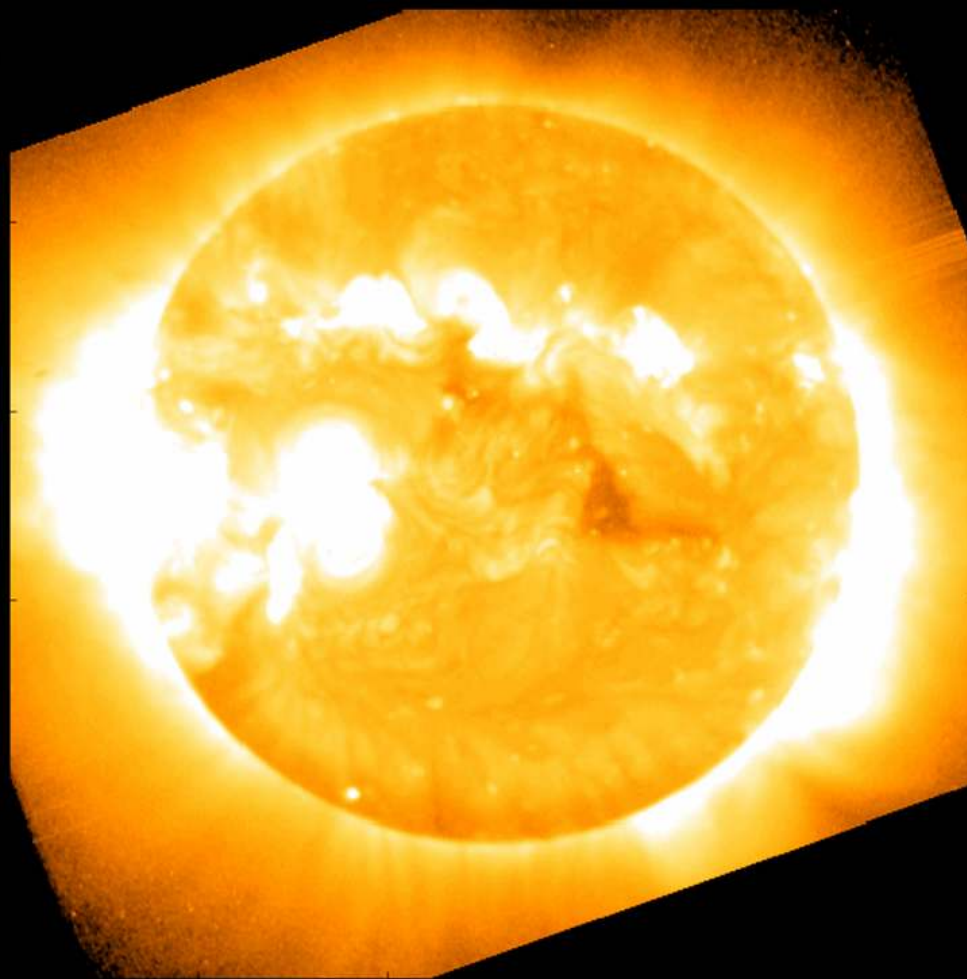
DN/sec
1576

1182

788

394

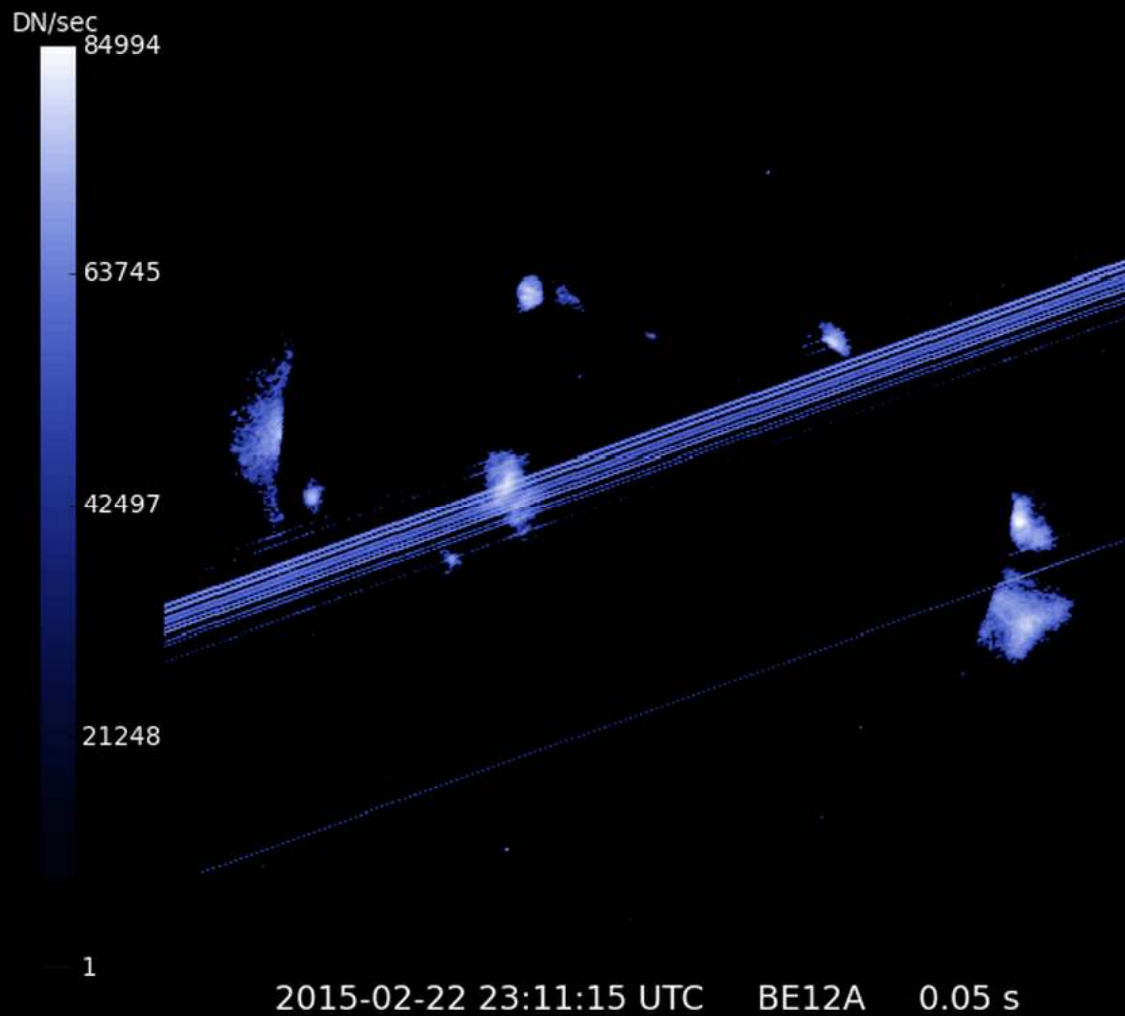
1



2015-02-22 18:11:15 UTC TM 2.6 s

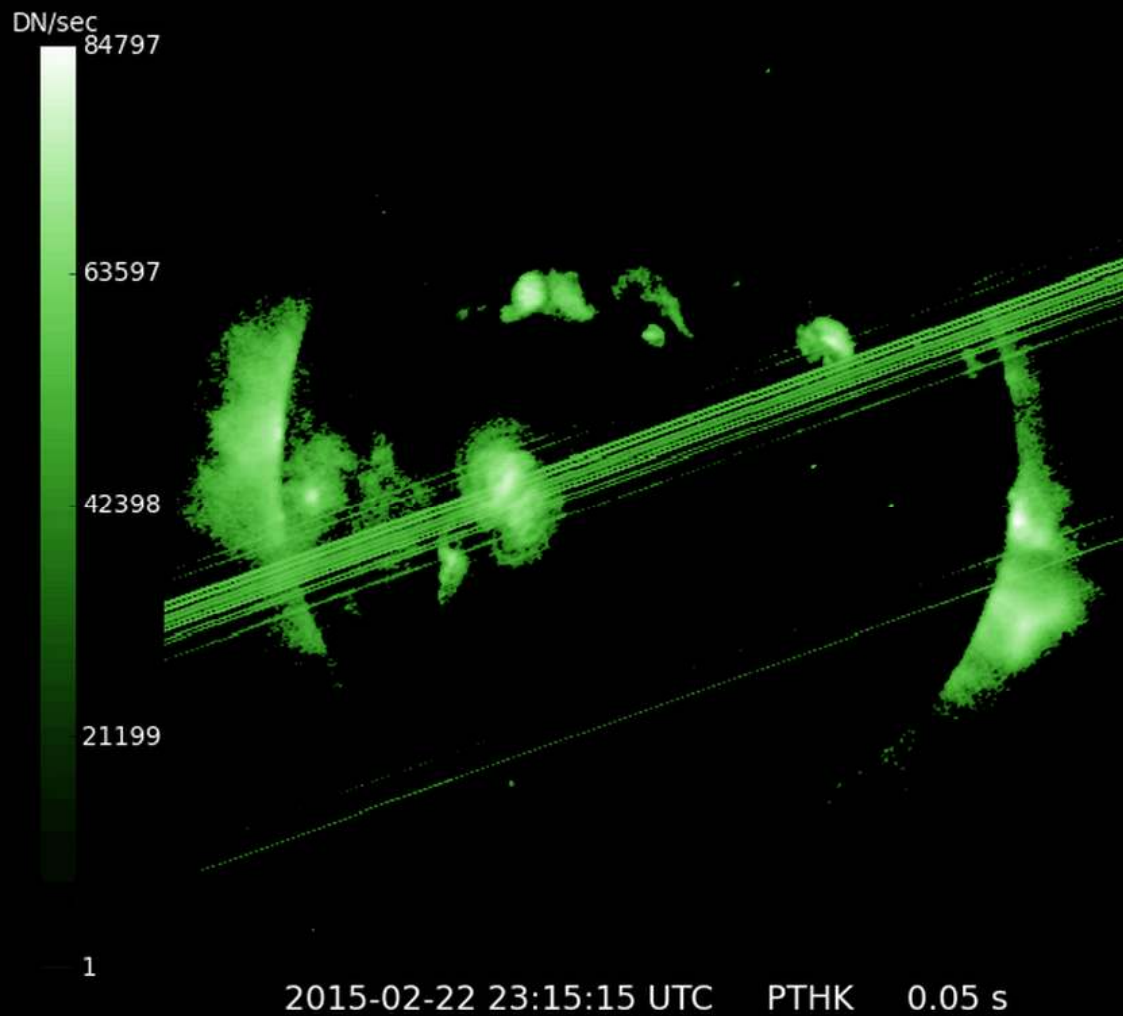
Sun, 22 Feb 2015 23:20:21 GMT Sun Feb 22 2015 16:20:21 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 23:20:15 GMT Sun Feb 22 2015 16:20:15 GMT-0700 (US Mountain Standard Time)

GOES-15 SXI Level-1
NOAA/SWPC Boulder, CO



Sun, 22 Feb 2015 23:21:00 GMT Sun Feb 22 2015 16:21:00 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 23:20:54 GMT Sun Feb 22 2015 16:20:54 GMT-0700 (US Mountain Standard Time)

GOES-15 SXI Level-1
NOAA/SWPC Boulder, CO



Sun, 22 Feb 2015 23:21:28 GMT Sun Feb 22 2015 16:21:28 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 23:21:22 GMT Sun Feb 22 2015 16:21:22 GMT-0700 (US Mountain Standard Time)

GOES-15 SXI Level-1
NOAA/SWPC Boulder, CO

DN/sec

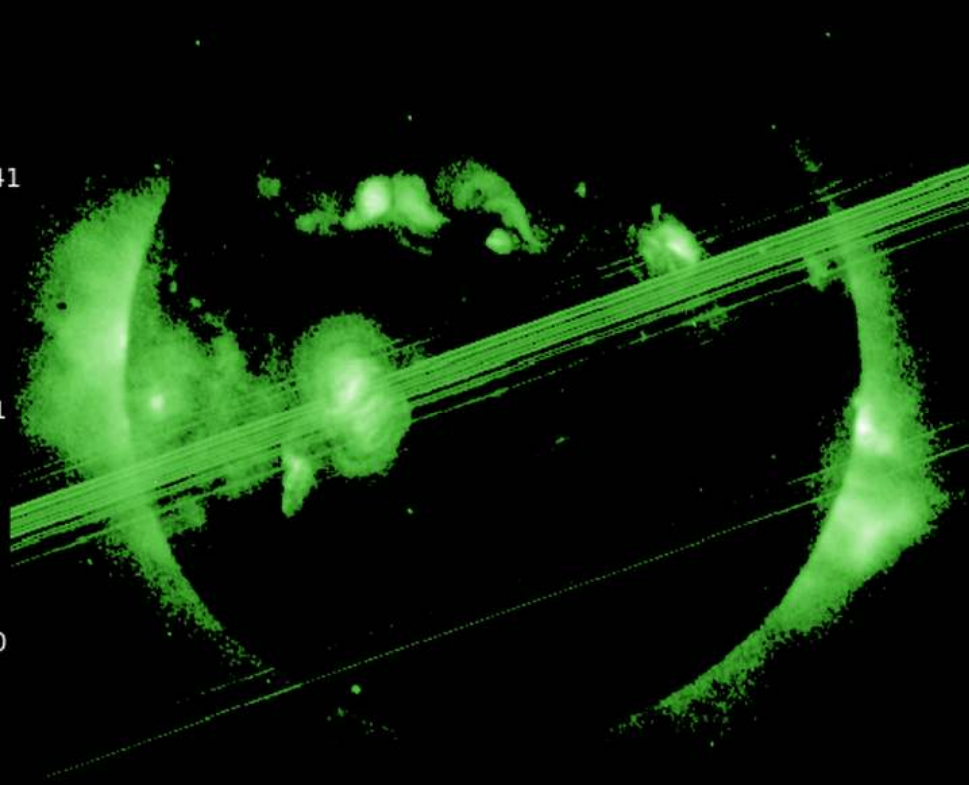
165522

124141

82761

41380

1



2015-02-22 23:15:00 UTC PTHNA 0.026 s

Sun, 22 Feb 2015 23:22:20 GMT Sun Feb 22 2015 16:22:20 GMT-0700 (US Mountain Standard Time)
Sun, 22 Feb 2015 23:22:14 GMT Sun Feb 22 2015 16:22:14 GMT-0700 (US Mountain Standard Time)

GOES-15 SXI Level-1
NOAA/SWPC Boulder, CO

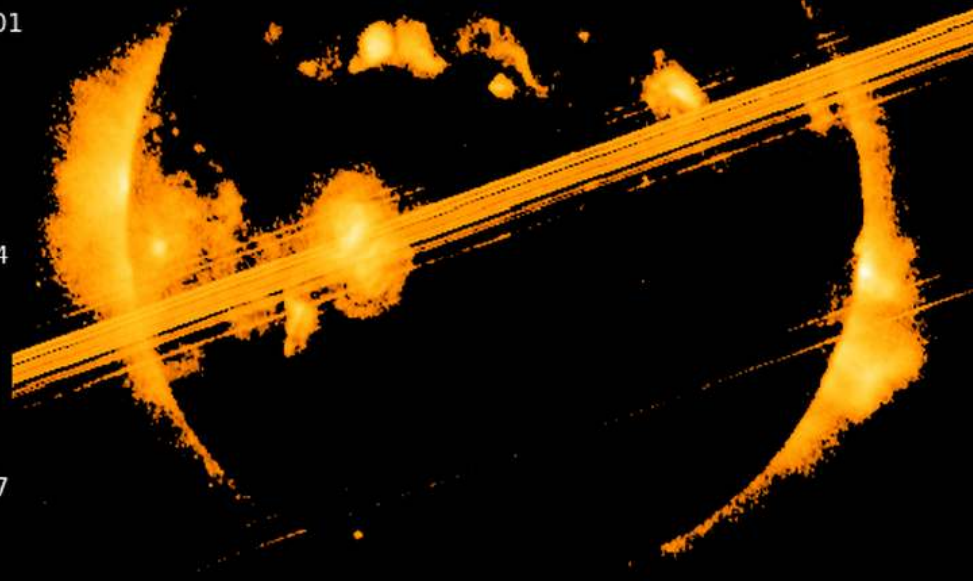
DN/sec
165468

124101

82734

41367

1



2015-02-22 23:17:15 UTC TM 0.026 s