

(01) - 2011/02/15 01:58 - X2.2

(02) - 2011/03/09 23:23 - X1.5

(03) - 2011/08/09 08:05 - X6.9

(04) - 2011-09-06 22:20 - X2.1

(05) - 2011-09-07 22:38 - X1.8

(06) - 2011-09-22 11:01 - X1.4

(07) - 2011-09-24 09:40 - X1.9

(08) - 2011-11-03 20:27 - X1.9

(09) - 2012-01-27 18:37 - X1.7

(10) - 2012-03-05 04:09 - X1.1

(11) - 2012-03-07 00:24 - X5.4

(12) - 2012-03-07 01:14 - X1.3

(13) - 2012-07-06 23:08 - X1.1

(14) - 2012-07-12 16:49 - X1.4

(15) - 2012-10-23 03:17 - X1.8

(16) - 2013-05-13 02:17 - X1.7

(17) - 2013-05-13 16:05 - X2.8

(18) - 2013-05-14 01:11 - X3.2

(19) - 2013-05-15 01:48 - X1.2

(20) - 2013-10-25 08:01 - X1.7

(21) - 2013-10-25 15:03 - X2.1

(22) - 2013-10-28 02:03 - X1.0

(23) - 2013-10-29 21:54 - X2.3

(24) - 2013-11-05 22:12 - X3.3

(25) - 2013-11-08 04:26 - X1.1

(26) - 2013-11-10 05:14 - X1.1

(27) - 2013-11-19 10:26 - X1.0

(28) - 2014-01-07 18:32 - X1.2

(29) - 2014-02-25 00:49 - X4.9

(30) - 2014-03-29 17:48 - X1.0

(31) - 2014-04-25 00:27 - X1.3

(32) - 2014-06-10 11:42 - X2.2

(33) - 2014-06-10 12:52 - X1.5

(34) - 2014-06-11 09:06 - X1.0

(35) - 2014-09-10 17:45 - X1.6

(36) - 2014-10-19 05:03 - X1.1

(37) - 2014-10-22 14:28 - X1.6

(38) - 2014-10-24 21:41 - X3.1

(39) - 2014-10-25 17:08 - X1.0

(40) - 2014-10-26 10:56 - X2.0

(41) - 2014-10-27 14:47 - X2.0

(42) - 2014-11-07 17:26 - X1.6

(43) - 2014-12-20 00:34 - X1.8

(44) - 2015-03-11 16:22 - X2.1

(45) - 2015-05-05 22:11 - X2.7

PROBA2 is a small ESA satellite operated from the Royal Observatory of Belgium, with a scientific mission to explore the active Sun and monitor solar activity. PROBA2 has two solar monitoring instruments: SWAP (an EUV imager) and LYRA (an irradiance monitor). It has been watching the Sun since November 2010—near the start of the current solar cycle—and has recorded numerous flares. The series of images above show all the X-class (most powerful) flares seen in the current solar cycle as recorded by SWAP (top) and LYRA (bottom). Each SWAP image shows the Sun at the time of the flare, and the corresponding LYRA (Aluminium channel) curve shows the normalised irradiance throughout the day.