

April 2015 has been an unsettled month in the sense of solar activity. Especially in the sense of coronal mass ejections (CMEs) April 2015 was more active than the previous months. A number of 131 CMEs have been spotted, with 12 CMEs with angular width $90^\circ < da < 180^\circ$, 2 CMEs with angular width $180^\circ < da < 270^\circ$ and 5 HALO CMEs resulting into distinct modulation of the galactic cosmic rays (source: <http://sidc.oma.be/cactus/catalog.php>). Also April was less active in the sense of solar flares (SFs). A number of 167 C-, M- and X-class SFs spotted with 156 C- and 11 M-class SFs, the most energetic one being an M4.0 on 21/04/2015 at 15:45 UT from the AR 2322, N10W80 (Fig. 1).

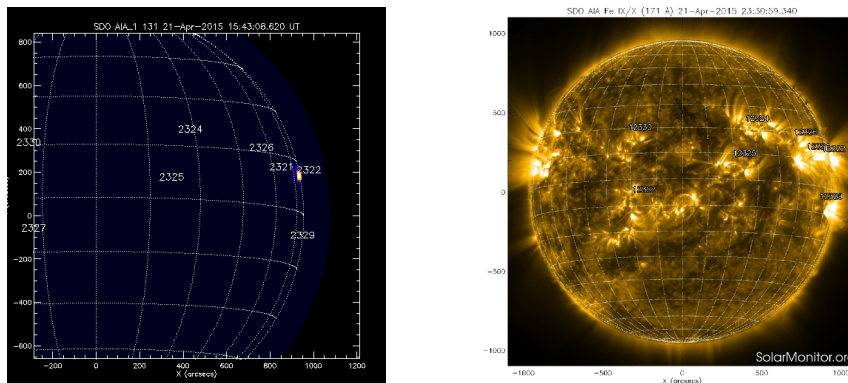


Figure 1: The M4.0 solar flare of 21/04/2015 at 15:45 UT peak time (from solarmonitor.org)

Multiple Forbush decreases are spotted in April 2015 as a result of the partial or/and the HALO CMEs. Hourly values of the cosmic ray intensity recorded at the Athens neutron monitor station (cut-off rigidity 8.53 GV) are illustrated in Fig. 2.

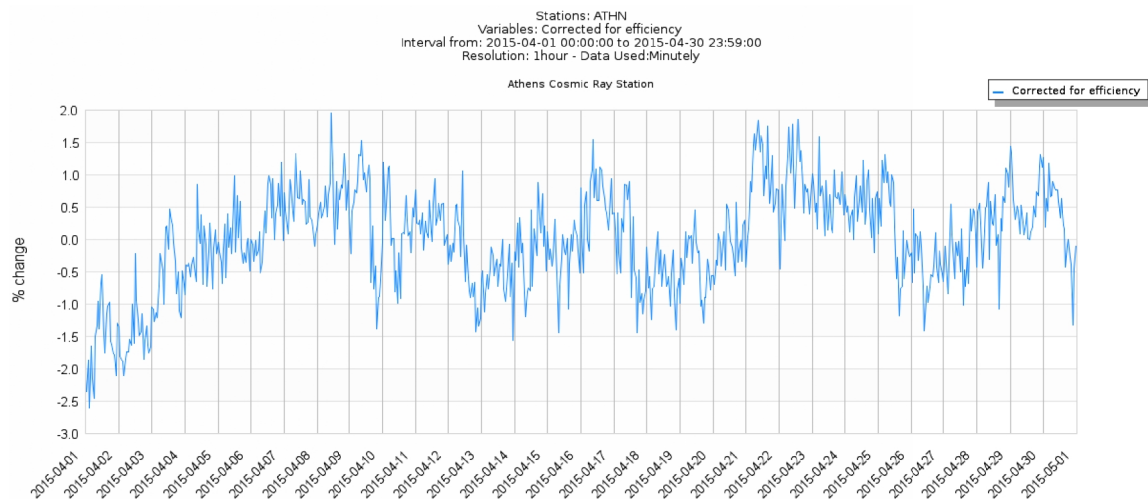


Figure 2: The corrected for pressure and efficiency counting rate of the Athens Neutron Monitor Station from 01-30/04/2015 (From multi station service of Athens CR Station).

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