



# Average solar global horizontal irradiance data for ghana

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The geomagnetic field was at quiet to active levels on November 24 under the influence of weak effects from CH1257. Solar wind speed at SOHO ranged between 397 and 468 km/sec, averaging 427 km/sec (+16 compared to the previous day). The high latitude magnetometer at Andenes recorded quiet to minor storm levels. The above 10 MeV proton flux was at background levels all day.

Solar flux density measured at 20h UT on 2.8 GHz was 202.7 - decreasing 52.8 over the previous solar rotation. (Centered 1 year average SF at 1 AU - 183 days ago: 186.10. In comparison SC24 peaked on June 28, 2014 at 145.50 while SC23 peaked on February 23, 2002 at 198.15. Current SC25 peak: 186.14 on May 21, 2024). The Potsdam WDC planetary A index was 7 (STAR Ap - based on the mean of three hour interval ap indices: 7.4). Three hour interval K indices: 22200124 (planetary), 12202323 (Boulder), 23200115 (Andenes).

Spotted regions not observed (or interpreted differently) by SWPC/USAF:S10384 [S18W12] was quiet and stable.S10396 [N01W10] was quiet and stable.S10397 [N14E44] reemerged with tiny spotsNew region S10402 [N24E07] was observed with tiny spots in an old plage area.

Long distance low and medium frequency (below 2 MHz) propagation along paths north of due west over upper middle and high latitudes is poor to fair. Propagation on long distance northeast-southwest paths is poor to fair.

- 1) Effects from a coronal hole could reach Earth within the next 5 days. When the high speed stream has arrived the color changes to green.
- 2) Effects from a CME are likely to be observed at Earth within 96 hours.
- 3) There is a possibility of either M or X class flares within the next 48 hours.



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