

HFUS3 BDU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 316

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 11 NOV 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 10/2100Z TO 11/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4592 (N16W11) CONTINUES TO EXHIBIT AN E-W ORIENTATED NEUTRAL LINE. THIS SPOT GROUP IS STILL A D-TYPE, BUT THE MAGNETIC CONFIGURATION IS A BIT MORE COMPLEX THAN YESTERDAY AS IT IS NOW A BETA GAMMA. THERE WERE NO NEW REGIONS NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE. AS LONG AS REGION 4592 RETAINS ITS MAGNETIC COMPLEXITY, THE PROBABILITY OF IT PRODUCING A SIGNIFICANT EVENT WILL REMAIN HIGH.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 10/2100Z TO 11/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE WITH ISOLATED PERIODS AT MINOR STORM ON THE 12TH OF NOVEMBER. MINOR STORM CONDITIONS ARE EXPECTED TO DOMINATE THE GEOMAGNETIC FIELD ON THE 13TH. THE ACTIVITY FORECAST ON THIS DAY IS BASED ON THE SHOCK ARRIVAL TIME OF THE TWO M-CLASS FLARES THAT OCCURRED ON THE 10TH OF NOVEMBER. MAJOR STORM LEVELS ARE EXPECTED ON THE 14TH BASED ON A RECURRENT FEATURE WHICH IS LOCATED NEAR THE FRONT END OF A PERSISTENT LARGE SOUTHERN CORONAL HOLE.

III. EVENT PROBABILITIES 12 NOV-14 NOV

CLASS M 40/40/30

CLASS X 05/05/03

PROTON 06/06/03

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 NOV 075

PREDICTED 12 NOV-14 NOV 077/077/076

90 DAY MEAN 11 NOV 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 10 NOV 017/017

ESTIMATED AFR/AP 11 NOV 015/017

PREDICTED AFR/AP 12 NOV-14 NOV 019/020-030/035-050/050

SOLTERWARN

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