

HFUS 3 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 312

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 08 NOV 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100 TO 08/2100Z: SOLAR ACTIVITY REACHED A MODERATE LEVEL THIS PERIOD DUE TO A M1/1B EVENT FROM REGION 4353 (S15W01) AT 1718UT. THIS EVENT PRODUCED MINOR RADIO ACROSS THE SPECTRUM 120 FLUX UNITS WAS RECORDED AT 2695MHZ AND A WEAK TYPE II SWEEP WAS OBSERVED FROM 1736UT TO 1755UT. THE FLARE WAS OBSERVED AS PARALLEL RIBBONS ALONG A SMALL FILAMENT WHICH MAY HAVE DISAPPEARED. REGION 4353 IS A SMALL, 50 MILLIONTHS "B" TYPE GROUP OF SIMPLE MAGNETIC CONFIGURATION. REGION 4355 (S10E16) REMAINS THE MOST COMPLEX GROUP ON THE VISIBLE DISK AND HAS PRODUCED TWO SMALL X-RAY EVENTS OF ITS OWN THE LARGEST OF WHICH WAS A C2/SN EVENT AT 0046UT. NO NEW REGIONS WERE NUMBERED TODAY HOWEVER ONE AREA OF ENHANCED PLAGE HAS BEEN REPORTED AT (N18W03). REST OF DISK AND LIMBS HAVE BEEN REPORTED AS STABLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW DURING THIS FORECAST PERIOD. REGIONS CURRENTLY ON THE VISIBLE DISK DO NOT APPEAR CAPABLE OF "M" CLASS ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE TO MINOR STORM LEVELS, SHORT PERIODS OF MAJOR STORM CONDITIONS AT THE HIGH LATITUDE SITES, DURING THE PAST 15 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT ACTIVE TO MINOR STORM, SHORT PERIODS OF MAJOR STORM, CONDITIONS DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 09 NOV-11 NOV.

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 NOV 106

PREDICTED 09 NOV-11 NOV 106/106/106

90 DAY MEAN 08 NOV 112

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 NOV 011/013

ESTIMATED AFR/AP 08 NOV 025/030

PREDICTED AFR/AP 09 NOV-11 NOV 025/025-025/030-020/025

SOLTERWARN

BT