

HFUS3 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 282

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 08 OCT 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100 TO 08/2100Z: SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL.

SPOTS HAVE REAPPEARED IN THE AREA OF REGION 4582 (S05E01). AN AFS WITH BRIGHT PLAGE APPEARED NORTHWEST OF THE OLDER PORTIONS OF REGION 4582 EARLY IN THE DAY AND SPOTS WERE REPORTED BY 1430UT. THE FILAMENT RUNNING SE OF REGION 4582 HAS REDEVELOPED AND PROMINENCE ACTIVITY WAS REPORTED ON THE WEST LIMB.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL. TWO SMALL REGIONS, 4578 (N13 L241) AND 4579 (S08L248), ARE DUE BACK ON THE EAST LIMB BUT BOTH ARE EXPECTED TO BE INSIGNIFICANT.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z: THE GEOMAGNETIC FIELD RANGED FROM STORM TO UNSETTLED LEVELS. THE DAY BEGAN WITH THE FIELD AT MINOR STORM LEVELS. THE FIELD WENT TO UNSETTLED CONDITIONS BY 1500UT. THIS ACTIVITY IS THOUGHT TO BE CORONAL HOLE PRODUCED. THE ICE SPACECRAFT OBSERVED CORONAL HOLE TYPE INTERPLANETARY VELOCITIES AND DENSITIES EARLIER TODAY.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE BASICALLY ACTIVE. SOME BRIEF PERIODS AT MINOR STORM LEVELS ARE POSSIBLE EARLY IN THE FORECAST. THE FIELD IS EXPECTED TO BECOME UNSETTLED BY THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 09 OCT-11 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 OCT 075

PREDICTED 09 OCT-11 OCT 075/075/076

90 DAY MEAN 08 OCT 081

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 OCT 028/040

ESTIMATED AFR/AP 08 OCT 022/024

PREDICTED AFR/AP 09 OCT-11 OCT 020/020-015/015-010/015

SOLTERWARN

BT