

HFUS3 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 287

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 14 OCT 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/2100 TO 14/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4696 (S11W24) HAS DECAYED TO A SPOTLESS DULL PLAGE REGION. NEWLY ASSIGNED REGION 4697 (S16W05) HAS EXHIBITED GROWTH DURING THE PAST 24 HOURS. IT IS NOW A CRO BETA GROUP WITH AT LEAST FIVE VISIBLE SPOTS AND MODERATE PLAGE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 13/2100Z TO 14/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE WITH SOME BRIEF MINOR STORM LEVELS AT HIGH LATITUDES. THIS ACTIVITY MAY BE ATTRIBUTED TO WEAK CORONAL HOLE EXTENSION FROM THE NORTH POLAR CROWN.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE. A DISAPPEARING FILAMENT ON 12 OCT COMBINING WITH RECURRENCE IS EXPECTED TO ENHANCE THE FIELD TO THE ACTIVE LEVELS THE SECOND AND THIRD DAY. BRIEF MINOR STORM CONDITIONS ARE POSSIBLE AS ANOTHER WEAK CORONAL HOLE EXTENSION FROM THE NORTH POLAR CROWN IS ROTATING INTO POSITION.

III. EVENT PROBABILITIES 15 OCT-17 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 OCT 070

PREDICTED 15 OCT-17 OCT 070/071/072

90 DAY MEAN 14 OCT 071

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 OCT 016/021

ESTIMATED AFR/AP 14 OCT 010/020

PREDICTED AFR/AP 15 OCT-17 OCT 010/020-015/025-020/025

SOLTERWARN

BT