

HFUS3 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 286

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 13 OCT 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100 TO 13/2100Z: SOLAR ACTIVITY WAS VERY LOW. NEWLY ASSIGNED REGION 4696 (S11W11) WAS A BXO WITH AN ARCHED FILAMENT SYSTEM. IT EMERGED LATE IN THE PERIOD.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE. MINOR STORM CONDITIONS OCCURRED. THIS DISTURBANCE WAS PROBABLY CAUSED BY THE CORONAL HOLE EXTENSION FROM THE NORTH POLAR CROWN.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE. BRIEF MINOR STORM CONDITIONS ARE POSSIBLE. THIS ENHANCED LEVEL IS EXPECTED IN RESPONSE TO A FIVE DEGREE DISAPPEARING FILAMENT OF 10 OCT FOR THE FIRST AND SECOND DAYS, AND PRIMARILY RECURRENT FOR THE LAST DAY.

III. EVENT PROBABILITIES 14 OCT-16 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 OCT 067

PREDICTED 14 OCT-16 OCT 067/068/068

90 DAY MEAN 13 OCT 071

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 OCT 009/014

ESTIMATED AFR/AP 13 OCT 016/020

PREDICTED AFR/AP 14 OCT-16 OCT 015/020-019/025-019/025

SOLTERWARN

BT