

HFUS3 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 284

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 11 OCT 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 10/2100Z TO 11/2100Z: SOLAR ACTIVITY WAS VERY LOW. NO NEW REGION WAS ASSIGNED. A FIVE DEGREE LONG FILAMENT DISAPPEARED FROM S45E23 AT 10/2216Z.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 10/2100Z TO 11/2100Z: THE GEOMAGNETIC FIELD WAS ACTIVE. BRIEF MINOR STORM CONDITIONS OCCURRED AT HIGH LATITUDES. THIS DISTURBANCE IS PROBABLY DUE TO AN CORONAL HOLE EXTENSION OF THE NORTH POLAR CROWN AND POSSIBLY THE TWO DISAPPEARING FILAMENTS OF 6 OCT.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT ACTIVE TO BRIEF MINOR STORM LEVELS THE FIRST AND SECOND DAYS (12-13 OCT). THIS IS BASED ON A WEAK CORONAL HOLE EXTENSION FROM THE NORTH POLAR CROWN. THE THIRD DAY (14 OCT) IS EXPECTED TO BE ACTIVE.

III. EVENT PROBABILITIES 12 OCT-14 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 OCT 068

PREDICTED 12 OCT-14 OCT 068/068/068

90 DAY MEAN 11 OCT 071

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 10 OCT 006/012

ESTIMATED AFR/AP 11 OCT 017/020

PREDICTED AFR/AP 12 OCT-14 OCT 018/025-017/020-015/015

SOLTERWARN

BT