

HFUS 3 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 321

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 NOV 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100 TO 17/2100Z: SOLAR ACTIVITY HAS REMAINED VERY LOW. BOTH REGIONS 4360 (S13W44) AND 4361 (S16W09) HAVE DECAYED DURING THIS PERIOD. THESE ARE THE ONLY SPOTTED REGIONS CURRENTLY ON THE DISK.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z: THE GEOMAGNETIC FIELD HAS BEEN VARIABLE BETWEEN ACTIVE AND STORM LEVEL PERIODS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN VARIABLE BETWEEN ACTIVE AND STORM LEVEL PERIODS. SOLAR WIND SPEEDS REMAIN MODERATELY STRONG - 750-850 KM/SEC.

III. EVENT PROBABILITIES 18 NOV-20 NOV

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 NOV 088

PREDICTED 18 NOV-20 NOV 088/088/088

90 DAY MEAN 17 NOV 108

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 NOV 025/026

ESTIMATED AFR/AP 17 NOV 030/035

PREDICTED AFR/AP 18 NOV-20 NOV 025/025-020/020-027/020

SOLTERWARN

BT