

HFUS 3 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 320

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 16 NOV 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/2100 TO 16/2100Z: SOLAR ACTIVITY HAS REMAINED VERY LOW. GROWTH HAS OCCURRED IN BOTH REGIONS 4360 (S13W30) AND 4361 (S15E08) BUT BOTH REGIONS REMAIN SIMPLE BIPOLAR IN STRUCTURE.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 15/2100Z TO 16/2100Z: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE WITH SHORT PERIODS AT STORM LEVEL.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY ACTIVE, BUT WITH SHORT PERIODS AT STORM LEVEL, THROUGH THE FORECAST PERIOD. SOLAR WIND SPEEDS REMAIN MODERATELY HIGH.

III. EVENT PROBABILITIES 17 NOV-19 NOV

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 NOV 093

PREDICTED 17 NOV-19 NOV 093/092/092

90 DAY MEAN 16 NOV 108

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 15 NOV 019/024

ESTIMATED AFR/AP 16 NOV 022/025

PREDICTED AFR/AP 17 NOV-19 NOV 020/020-017/020-017/020

SOLTERWARN

BT