

HFUS3 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 042

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 11 FEB 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 10/2100 TO 11/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. REGIONS 4624 (N11W44) AND 4626 (S12E39) REMAIN AS THE ONLY VISIBLE REGIONS AND THEY ARE BOTH SMALL AND SIMPLE. REGION 4626 PRODUCED A SUBNORMAL FLARE AT 111829UT (MAX) WITHOUT ANY XRAY RESPONSE. SEVERAL SMALL RADIO BURSTS HAVE BEEN NOTED BUT OTHERWISE THE DISK HAS BEEN QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL FOR THE NEXT 24 HOURS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 10/2100Z TO 11/2100Z: THE GEOMAGNETIC FIELD EXPERIENCED A SHARP IMPULSE AT 102100UT BUT SINCE THAT TIME HAS BEEN GENERALLY UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT QUIET TO UNSETTLED LEVELS FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 12 FEB-14 FEB

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 FEB 075

PREDICTED 12 FEB-14 FEB 076/076/076

90 DAY MEAN 11 FEB 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 10 FEB 020/024

ESTIMATED AFR/AP 11 FEB 013/012

PREDICTED AFR/AP 12 FEB-14 FEB 005/010-005/010-007/010

SOLTERWARN

BT