

HFUSS BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 064

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 05 MAR 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/2100 TO 05/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. THERE ARE NO SPOTTED OR NUMBERED PLAGE REGIONS ON THE VISIBLE DISK. NO LIMB ACTIVITY WAS REPORTED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW THROUGHOUT THE FORECAST PERIOD. SOLAR LONGITUDES WHICH WERE ACTIVE TWO ROTATIONS AGO WILL RETURN ON 7 MARCH BUT THERE IS NO INDICATION OF EAST LIMB SURGING OR ENHANCED 10 CM FLUX AT THIS TIME.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 04/2100Z TO 05/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY ACTIVE FOR THE PAST 24 HOURS, WITH STORM LEVEL CONDITIONS BEING REPORTED AT HIGH LATITUDES AFTER 1930 UT TODAY. THIS ACTIVITY IS RECURRENT AND IS ATTRIBUTED TO THE EFFECTS OF A POSITIVE-POLARITY SOUTHERN CORONAL HOLE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO PERSIST AT GENERALLY ACTIVE LEVELS FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 06 MAR-08 MAR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 MAR 069

PREDICTED 06 MAR-08 MAR 070/070/070

90 DAY MEAN 05 MAR 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 04 MAR 008/012

ESTIMATED AFR/AP 05 MAR 017/030

PREDICTED AFR/AP 06 MAR-08 MAR 015/025-015/020-015/020

SOLTERWARN

BT