

HFUS3 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 005

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 05 JAN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/2100 TO 05/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE VISIBLE DISK IS ALMOST FEATURELESS. ANOTHER DAY WITH NO SPOTS VISIBLE. OUR ONLY NUMBERED REGION 4611 HAS MADE IT'S EXIT AROUND THE WEST LIMB. THERE HAVE BEEN THREE FILAMENTS THAT HAVE DISAPPEARED IN THE PAST 24 HOURS. ONE AT 04/2131Z NEAR S01-CAR301 4 DEGREES LONG, ANOTHER AT 05/1205Z NEAR S29-CAR278 8 DEGREES LONG AND ONE AT 05/1205Z NEAR S38-CAR265 21 DEGREES LONG. THE TWO FILAMENTS THAT DISAPPEARED AT 05/1205Z BOTH OCCUPIED THE SAME NEUTRAL LINE.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 04/2100Z TO 05/2100Z: THE GEOMNETIC FIELD HAS BEEN GENERALLY AT QUIET TO SLIGHTLY UNSETTLED LEVELS DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE AT ACTIVE LEVELS THROUGHOUT THE FORECAST PERIOD. THIS ACTIVITY IS EXPECTED DUE TO THE DISAPPEARANCE OF FILAMENTS AND RECURRENT PATTERNS.

III. EVENT PROBABILITIES 06 JAN-08 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 JAN 069

PREDICTED 06 JAN-08 JAN 070/070/070

90 DAY MEAN 05 JAN 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 04 JAN 007/009

ESTIMATED AFR/AP 05 JAN 008/010

PREDICTED AFR/AP 06 JAN-08 JAN 015/020-016/020-018/020

SOLTERWARN

BT