

HFUS3 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 011

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 11 JAN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 10/2100 TO 11/2100Z: SOLAR ACTIVITY WAS VERY LOW. NO SPOTTED REGIONS WERE OBSERVED ON THE DISK.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. NO SIGNIFICANT RETURNING REGIONS ARE EXPECTED.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 10/2100Z TO 11/2100Z: GEOMAGNETIC ACTIVITY WAS ACTIVE. ONE MINOR STORM LEVEL PULSE WAS REPORTED AT BOTH HIGH AND MID LATITUDES AT 11/1200Z. THIS ACTIVITY WAS ATTRIBUTED TO A CORONAL HOLE THAT WAS AT THE EQUATOR AND CARRINGTON 245 ON 6 JAN. THE ICE SATELLITE DETECTED THE MODERATELY-HIGH SPEED, LOWER DENSITY STREAM CONSISTENT WITH CORONAL HOLE RADIATION.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE AT ACTIVE-TO-MINOR-STORM LEVELS. THE CURRENT CORONAL HOLE'S HIGH SPEED STREAM IS FORECAST TO CONTINUE VARIABLY THROUGH THE THREE DAY PERIOD. OCCASIONAL MAJOR LEVELS ARE POSSIBLE AT HIGH LATITUDES DURING LOCAL MIDNIGHT PERIODS. THE OUTLOOK PERIOD FOR THE FOURTH THROUGH SEVENTH DAYS CALLS FOR A RESTABILIZATION OF THE FIELD TO ACTIVE-TO-UNSETTLED LEVELS.

III. EVENT PROBABILITIES 12 JAN-14 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 JAN 070

PREDICTED 12 JAN-14 JAN 070/070/070

90 DAY MEAN 11 JAN 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 10 JAN 025/025

ESTIMATED AFR/AP 11 JAN 019/020

PREDICTED AFR/AP 12 JAN-14 JAN 019/020-020/030-016/020

SOLTERWARN