

HFUS3 BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 002

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 02 JAN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 01/2100 TO 02/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THERE ARE NO SPOTTED REGIONS VISIBLE ON THE SOLAR DISK TODAY. A FILAMENT LOCATED NEAR S01W19 THAT WAS 4 DEGREES LONG DISAPPEARED AT 01/2330Z.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 01/2100Z TO 02/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED WITH ACTIVE TO MINOR STORM LEVELS AT ALL LATITUDES DURING THE NIGHTTIME SECTORS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD REMAIN AT UNSETTLED CONDITIONS UNTIL THE 5TH OF JANUARY WHEN QUIET LEVELS ARE EXPECTED.

III. EVENT PROBABILITIES 03 JAN-05 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 JAN 070

PREDICTED 03 JAN-05 JAN 070/072/072

90 DAY MEAN 02 JAN 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 01 JAN 028/031

ESTIMATED AFR/AP 02 JAN 014/016

PREDICTED AFR/AP 03 JAN-05 JAN 010/015-008/010-005/010

SOLTERWARN

BT