

HFUS3 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 003

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 03 JAN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/2100Z TO 03/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE SOLAR DISK REMAINS SPOTLESS TODAY. A FILAMENT LOCATED FROM N26E19 - N29E05 - N16E11 HAS ALMOST COMPLETELY DISAPPEARED. THE SOUTHEASTERN AND NORTHWESTERN PORTIONS OF THIS FILAMENT ARE STILL VISIBLE. AFTER FURTHER ANALYSIS, THE DISAPPEARANCE OF THE FILAMENT NEAR S01W19 DID OCCUR ABOUT 01/2330Z, NOT ON THE 2ND OF JANUARY AS REPORTED ON THE 03/0245Z GEOPHYSICAL ACTIVITY SUMMARY.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 02/2100Z TO 03/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY AT UNSETTLED LEVELS WITH ONE BRIEF PERIOD OF ACTIVE CONDITIONS WHICH OCCURRED AROUND 2400Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD REMAIN UNSETTLED THE 4TH AND 6TH OF JANUARY WITH QUIET LEVELS ON THE 5TH OF JANUARY.

THE FILAMENT NEAR N29E05 IS NOT EXPECTED TO PRODUCE SIGNIFICANT GEOMAGNETIC ACTIVITY DURING THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 04 JAN-06 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 JAN 070

PREDICTED 04 JAN-06 JAN 070/071/072

90 DAY MEAN 03 JAN 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 02 JAN 014/016

ESTIMATED AFR/AP 03 JAN 010/012

PREDICTED AFR/AP 04 JAN-06 JAN 008/010-005/010-013/010

SOLTERWARN

BT