

HFUS3 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 025

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 25 JAN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/2100 TO 25/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4617 (S10W91) WAS LAST SEEN AS AN E-TYPE SPOT GROUP WITH A SIMPLE BETA MAGNETIC CONFIGURATION. THIS REGION CONTINUES TO EXHIBIT SURGING AS IT ROTATES AROUND THE LIMB. REGION 4618 (N06W41) REMAINS STABLE WITH AN A-TYPE SPOT GROUP. NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. NO REGIONS ARE DUE TO RETURN IN THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 24/2100Z TO 25/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO SLIGHTLY ACTIVE AT ALL LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE TO MINOR STORM AT ALL LATITUDES FOR THE NEXT THREE DAYS. THIS IS EXPECTED BECAUSE OF A LARGE NORTHERN CORONAL HOLE WHICH IS PRESUMED TO HAVE PASSED CENTRAL MERIDIAN ON 23 JANUARY.

III. EVENT PROBABILITIES 26 JAN-28 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 JAN 076

PREDICTED 26 JAN-28 JAN 073/072/070

30 DAY MEAN 25 JAN 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 JAN 007/008

ESTIMATED AFR/AP 25 JAN 014/015

PREDICTED AFR/AP 26 JAN-28 JAN 020/025-020/025-019/030

SOLTERWARN

BT