

HFUS 3 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 331

JOINT USAF/NOAA REPORT OF SOLAR AND GEO PHYSICAL ACTIVITY.

ISSUED 2200Z 27 NOV 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/2100 TO 27/2100Z: SOLAR ACTIVITY CONTINUED AT VERY LOW LEVELS THIS PERIOD. ONE REGION WAS NUMBERED THIS PERIOD, 4566 (N17E74), A B TYPE SPOT GROUP. THE REST OF THE DISK REMAINS SPOTLESS AND UNIMPRESSIVE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE AT VERY LOW TO LOW LEVELS THROUGHOUT THE FORECAST PERIOD. INCREASED ACTIVITY MAY OCCUR WITH THE RETURN OF THE ACTIVE CARRINGTON LONGITUDES BETWEEN 60 AND 100 DEGREES.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 26/2100Z TO 27/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE AT ACTIVE LEVELS AT MIDLATITUDES AND AT HIGH LATITUDES THE FIRST TWO DAYS OF THE FORECAST PERIOD. THE FINAL DAY OF THE FORECAST PERIOD SHOULD BE AT UNSETTLED TO ACTIVE LEVELS.

III. EVENT PROBABILITIES 28 NOV-30 NOV

CLASS M 01/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 NOV 087

PREDICTED 28 NOV-30 NOV 090/095/098

90 DAY MEAN 27 NOV 105

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 26 NOV 016/022

ESTIMATED AFR/AP 27 NOV 008/015

PREDICTED AFR/AP 28 NOV-30 NOV 015/015-016/025-012/020

SOLTERWARN

BT