

HFUS 3 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 332

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 28 NOV 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100 TO 28/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW THIS PERIOD. ONE REGION WAS NUMBERED, 4367 (N11E77), AN A TYPE SPOT GROUP. REGION 4366 REMAINS THE LARGEST GROUP ON THE DISK WITH A D TYPE SPOT GROUP CLASSIFICATION. THE REST OF THE DISK REMAINS SPOTLESS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE VERY LOW TO LOW THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 27/2100Z TO 28/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE MAJOR PORTION OF THIS PERIOD. IT INCREASED TO ACTIVE LEVELS DURING THE 1500 TO 1800 UT TIME PERIOD AND REMAINS AT ACTIVE LEVELS AT THIS TIME.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE AT ALL LATITUDES THE FIRST DAY OF THE FORECAST PERIOD. IT SHOULD THEN BE AT UNSETTLED TO ACTIVE LEVELS AT ALL LATITUDES THE REMAINDER OF THE FORECAST PERIOD. THIS FORECAST OF ACTIVITY IS THE RESULT OF THE RECURRENT PATTERNS WITNESSED THE PAST THREE ROTATIONS.

III. EVENT PROBABILITIES 29 NOV-01 DEC

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 NOV 089

PREDICTED 29 NOV-01 DEC 095/098/100

90 DAY MEAN 28 NOV 105

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 NOV 006/011

ESTIMATED AFR/AP 28 NOV 013/015

PREDICTED AFR/AP 29 NOV-01 DEC 016/025-012/020-008/015

SOLTERWARN

BT