

HFUS 3 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 310

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 06 NOV 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100Z TO 06/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW THIS PERIOD AS NO OPTICAL FLARES HAVE BEEN RECORDED AND ONLY ONE, A B4, X-RAY EVENT OBSERVED DURING THE PAST 24 HOURS. REGION 4354 (S18E16) HAS RETAINED ITS SIZE HOWEVER IT HAS LOST THE DELTA OF YESTERDAY. NEW REGION TODAY 4358 (N08W30) IS A SIMPLE "B" TYPE GROUP. ALL OTHER REGIONS HAVE BEEN REPORTED AS STABLE OR SLIGHTLY DECAYED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW DURING THIS FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT GENERALLY QUIET LEVELS DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN AT QUIET TO UNSETTLED LEVELS UNTIL MIDDAY ON 08 NOV WHEN THE EFFECTS OF A SOLAR SECTOR BOUNDARY, WHICH WAS AT CENTRAL MERIDIAN ON 03 NOV, ARRIVES. THE FIELD IS THEN EXPECTED TO BE AT ACTIVE, WITH PERIODS AT MINOR STORM, LEVELS FOR THE REST OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 07 NOV-09 NOV

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 NOV 106

PREDICTED 07 NOV-09 NOV 107/108/106

90 DAY MEAN 06 NOV 113

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 NOV 003/005

ESTIMATED AFR/AP 06 NOV 004/015

PREDICTED AFR/AP 07 NOV-09 NOV 012/015-017/020-025/025

SOLTERWARN

BT