

HFUS3 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 322

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 18 NOV 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 17/2100 TO 18/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4703 (S09W14) REMAINED A DSO TYPE SPOT GROUP AND REGION 4704 (N01E17) REMAINED A CRO TYPE SPOT GROUP. BOTH STABLE REGIONS HAD A BETA MAGNETIC CONFIGURATION. A B1.5/SN FLARE (MAX TIME NEAR 0440 UT) WAS OBSERVED AT S10W41 IN PLAGE REGION 4701 (S10W53). REGION 4702 (N08W15) HAS REGAINED ITS SPOTS AND IS AN AXB TYPE SPOT GROUP. NO NEW REGIONS WERE NUMBERED TODAY. THE REST OF THE DISK AND LIMBS WERE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS. C-LEVEL X-RAY ACTIVITY IS POSSIBLE FROM ALL FOUR REGIONS BUT THE PROBABILITIES ARE LOW. NO REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 17/2100Z TO 18/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE FOR THE PAST 24 HOURS. UNSETTLED CONDITIONS PREDOMINATED FROM 2100UT 17 NOVEMBER UNTIL ABOUT 1300UT 18 NOVEMBER. ACTIVITY LEVELS THEN INCREASED AT ALL LATITUDES WITH MINOR STORM CONDITIONS OBSERVED AT SOME HIGH LATITUDE STATIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO SLIGHTLY ACTIVE FOR THE NEXT THREE DAYS. RECURRENCE SUGGESTS THAT THE OVERALL LEVEL OF ACTIVITY WILL DIMINISH THROUGH THE PERIOD.

III. EVENT PROBABILITIES 19 NOV-21 NOV

CLASS M 02/02/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 NOV 079

PREDICTED 19 NOV-21 NOV 078/077/075

90 DAY MEAN 18 NOV 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 17 NOV 008/016

ESTIMATED AFR/AP 18 NOV 012/018

PREDICTED AFR/AP 19 NOV-21 NOV 010/020-008/015-008/015

SOLTERWARN

BT

HXUS BOU 182200

PREDM 00219 00220 00121

PREDX 00119 00120 00121

PREDP 00119 00120 00121

PCAF 00119

TENCM 07819 07720 07521

AFRED 01019 00820 00821

AFAPF 02019 01520 01521

BT