

HFUS3 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 317

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 13 NOV 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100 TO 13/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL. NEW REGION 4703 (S08E52) PRODUCED A SMALL C1/SN FLARE AT 1702UT. REGION 4703 IS REPORTED TO BE GROWING. THE TWO OTHER SPOTTED REGIONS 4701 (S10E13) AND 4702 (N04E61) ARE DECLINING.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED UNTIL 1200UT. MINOR STORM CONDITIONS WERE OBSERVED BETWEEN 1200UT AND 1500UT AND AFTER 2030UT. THE SOURCE OF THIS DISTURBANCE IS PROBABLY A WEAK CORONAL HOLE WHICH WAS SEEN AT THE SOLAR EQUATOR NEAR E25 ON 8 NOV.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 14 NOV-16 NOV

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 NOV 076

PREDICTED 14 NOV-16 NOV 076/077/078

90 DAY MEAN 13 NOV 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 NOV 005/006

ESTIMATED AFR/AP 13 NOV 020/025

PREDICTED AFR/AP 14 NOV-16 NOV 015/020-010/015-010/015

SOLTERWARN

BT

HXUS BOU 132200

PREDM 00114 00115 00116

PREDX 00114 00115 00116

PREDP 00114 00115 00116

PCRAFT 00114

TENCM 07614 07715 07816

AFRED 01514 01015 01016

AFAPF 02014 01515 01516

BT