

HFUS3 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 213

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 01 AUG 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 31/2100 TO 01/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. NO FLARES HAVE BEEN REPORTED IN THE LAST 24 HOURS. BOTH OF THE SPOTTED REGIONS ON THE DISK, 4680 (N06E02) AND 4682 (S15E16), HAVE BEEN STABLE. REGION 4680 RETAINS A VERY SLIGHT DEGREE OF MAGNETIC COMPLEXITY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE AT A VERY LOW LEVEL THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 31/2100Z TO 01/2100Z: THE GEOMAGNETIC FIELD HAS BEEN PREDOMINANTLY UNSETTLED TO MILDLY ACTIVE THE PAST 24 HOURS. THE RECENT GEOMAGNETIC STORM HAS ABATED AT MID-LATITUDES, BUT STORM CONDITIONS ARE STILL IN EVIDENCE AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: EXPECT UNSETTLED TO ACTIVE CONDITIONS THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 02 AUG-04 AUG

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 AUG 078

PREDICTED 02 AUG-04 AUG 078/078/078

90 DAY MEAN 01 AUG 079

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 31 JUL 038/045

ESTIMATED AFR/AP 01 AUG 014/024

PREDICTED AFR/AP 02 AUG-04 AUG 015/020-015/025-015/020

SOLTERWARN

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