

HFUS3 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 157

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 05 JUN 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/2100 TO 05/2100Z: SOLAR ACTIVITY REMAINS VERY LOW. THE ONLY SIGNIFICANT EVENT WAS A C3/1N AT 0216Z (X-RAY MAX) IN REGION 4500 (S13W59). STRONG TYPE II BUT WEAK TYPE IV DEKAMETRIC BURSTS ACCCOMPANIED THIS FLARE; ONLY MINOR DISCRETE FREQUENCY BURSTS OCCURRED. SLOW DECAY CONTINUES IN REGION 4500. REGION 4508 (N06E36), THE ONLY OTHER SPOTTED REGION, REMAINS QUIESCENT.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 04/2100Z TO 05/2100Z: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE AT MID LATITUDES AND ACTIVE TO STORM LEVEL AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY ACTIVE. THE EFFECTS FROM TODAY'S CORONAL TRANSIENT (TYPE II BURST) ARE EXPECTED ON THE LATTER HALF OF THE 7TH AND FIRST HALF OF THE 8TH. STORM LEVEL PERIODS ARE EXPECTED DURING THIS TIME FRAME.

III. EVENT PROBABILITIES 06 JUN-08 JUN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 JUN 102

PREDICTED 06 JUN-08 JUN 100/102/102

90 DAY MEAN 05 JUN 126

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 04 JUN 020/029

ESTIMATED AFR/AP 05 JUN 017/025

PREDICTED AFR/AP 06 JUN-08 JUN 015/020-025/030-020/025

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