

HFUS3 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER, BULDER, COLORADO  
SDF NUMBER 112

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 22 APR 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 21/2100 TO 22/2100Z: SOLAR ACTIVITY HAS BEEN MODERATE. ALL OPTICALLY CORRELATED EVENTS CAME FROM REGION 4647 (NOSE44), THE ONLY SPOTTED REGION ON THE DISK. THE LARGEST OF THESE EVENTS WAS AN M1/SB WITH AN XRAY MAXIMUM TIME OF 1640Z. THIS REGION HAS GROWN SIGNIFICANTLY SINCE YESTERDAY. IT IS NOW A DKI GROUP WITH A BETA MAGNETIC CLASSIFICATION AND A WHITE LIGHT AREA OF 410 MILLIONTHS OF THE SOLAR DISK.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE MODERATE THE FIRST DAY OF THE FORECAST PERIOD, SUBSIDING TO VERY LOW ACTIVITY BY THE THIRD DAY. THIS FORECAST IS BASED ON THE RAPID GROWTH OF REGION 4647 WHICH IS EXPECTED TO MODERATE BY THE 24TH OF APRIL.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 21/2100Z TO 22/2100Z: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE.

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

III. EVENT PROBABILITIES 23 APR-25 APR

CLASS M : 60/50/40

CLASS X : 05/01/01

PROTON : 01/01/01

PCAF : GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED : 22 APR .086

PREDICTED : 23 APR-25 APR .090/.092/.095

90 DAY MEAN : 22 APR .073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 21 APR .077/.127

ESTIMATED AFR/AP 22 APR .015/.019

PREDICTED AFR/AP 23 APR-25 APR .014/.020-.013/.020-.009/.015

SOLTERWARN

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