

HFUS3 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, 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 (N05E44), THE ONLY  
SPOTTED REGION ON THE DISK. THE LARGEST OF THESE EVENTS WAS AN  
M1/5B 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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