

HFUS3 BDU 122200  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 164  
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 12 JUN 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100  
TO 12/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW THIS PERIOD.  
EVENTS HAVE BEEN LIMITED TO MINOR RADIO BURSTS, A B LEVEL X-RAY  
FLARE AND TWO OPTICAL SUBFLARES. REGIONS 4511 (S07E45) AND 4509  
(S11E09) ARE THE LARGEST SPOT GROUPS ON THE DISK, EACH HAS A C  
TYPE SPOT CLASSIFICATION. THE REMAINDER OF THE DISK IS STABLE  
AND UNIMPRESSIVE. NO REGIONS WERE NUMBERED THIS PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE VERY LOW  
TO LOW THROUGHOUT THE FORECAST PERIOD. THE RETURN OF OLD REGION  
4492 (CARRINGTON 357), ON THE 13TH OF JUNE, MIGHT RAISE EVENT  
PROBABILITIES.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z:  
THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED, AT ALL LATITUDES,  
THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD  
SHOULD BE AT UNSETTLED TO ACTIVE LEVELS, AT ALL LATITUDES,  
THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 13 JUN-15 JUN

CLASS M 01/10/15.

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 JUN 090

PREDICTED 13 JUN-15 JUN 092/096/098

90 DAY MEAN 12 JUN 125

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 JUN 012/014

ESTIMATED AFR/AP 12 JUN 008/010

PREDICTED AFR/AP 13 JUN-15 JUN 015/015-011/015-015/020

SOLTERWARN

BT

*Very low  
unsettled*

*Sol quiet*