

HFUS 3 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 038

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 07 FEB 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/2100  
TO 07/2100Z: SOLAR ACTIVITY HAS BEEN LOW THIS PERIOD. EVENTS  
HAVE BEEN LIMITED TO C LEVEL X-RAY FLARES AND OPTICAL  
SUBFLARES. REGION 4410 (S10E21) REMAINS THE LARGEST REGION ON  
THE DISK WITH AN E TYPE SPOT CLASSIFICATION AND A BETA MAGNETIC  
CONFIGURATION. THE REST OF THE REGIONS ON THE DISK APPEAR TO  
HAVE EITHER GROWN OR DECAYED SLIGHTLY IN WHITE LIGHT BUT REMAIN  
STABLE. ONE NEW REGION WAS NUMBERED THIS PERIOD, 4415 (N13E65),  
AN A TYPE SPOT GROUP.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN LOW  
THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 06/2100Z TO 07/2100Z:  
THE GEOMAGNETIC FIELD HAS BEEN QUIET AT MIDLATITUDES AND  
UNSETTLED AT HIGH LATITUDES THROUGHOUT THE FORECAST PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD  
SHOULD BE QUIET AT MIDLATITUDES AND UNSETTLED TO ACTIVE AT HIGH  
LATITUDES, THE FIRST DAY OF THE FORECAST PERIOD. THE REMAINDER  
OF THE PERIOD SHOULD REFLECT THE TREND OF QUIET LEVELS AT  
MIDLATITUDES AND UNSETTLED LEVELS AT HIGH LATITUDES.

III. EVENT PROBABILITIES 08 FEB-10 FEB

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 FEB 117

PREDICTED 08 FEB-10 FEB 119/119/116

90 DAY MEAN 07 FEB 103

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 06 FEB 005/010

ESTIMATED AFR/AP 07 FEB 008/015

PREDICTED AFR/AP 08 FEB-10 FEB 005/015-005/010-005/010

SOLTERWARN

BT