

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