

HFUS3 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER. BOULDER, COLORADO
SDF NUMBER 081.

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 22 MAR 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 21/2100
TO 22/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW THE PAST 24 HOURS.
REGION 4637 (N07E74) PRODUCED A SUBFAINT OPTICAL FLARE A1
21/2233UT WITH AN ASSOCIATED X-RAY CLASS C2 AND A TYPE II
IMPORTANCE TWO RADIO SWEEP AT 21/2232UT. SPOTS HAVE BEEN
OBSERVED IN THIS REGION AND IT CURRENTLY SHOWS AN HKX TYPE SPOT
GROUP IN WHITE LIGHT WITH AN ALPHA-TYPE MAGNETIC
CLASSIFICATION. THE FILAMENT WHICH RUNS THROUGH THE CENTER OF
REGION 4633 (S12W33) IS STILL ACTIVE. NO NEW REGIONS WERE
NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN VERY LOW. AN INCREASE IN THE PROBABILITY OF M-LEVEL
ACTIVITY EXISTS WITH THE PRESENCE OF REGION 4637 ON THE DISK.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 21/2100Z TO 22/2100Z:
THE GEOMAGNETIC FIELD WAS GENERALLY QUIET TO UNSETTLED FOR THE
PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE ACTIVE THROUGH THE FORECAST PERIOD. THIS
ACTIVITY IS BASED ON RECURRENT PATTERNS AND THE POSSIBILITY OF
ENHANCEMENT DUE TO THE DISAPPEARING FILAMENTS ON THE 21ST OF
MARCH.

III. EVENT PROBABILITIES 23 MAR-25 MAR

CLASS M 05/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 MAR 076

PREDICTED 23 MAR-25 MAR 076/076/076

90 DAY MEAN 22 MAR 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 21 MAR 006/007

ESTIMATED AFR/AP 22 MAR 008/009

PREDICTED AFR/AP 23 MAR-25 MAR 015/015-015/015-018/020

SOLTERWARN

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