

HFUS3 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 153

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 01 JUN 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 31/2100
TO 01/2100Z: SOLAR ACTIVITY HAS BEEN LOW. THE LARGEST EVENT WAS
A C3/1N AT 1005Z FROM SPOTLESS REGION 4504 (N23E02). REGION
4500 (S13W04) HAS HAD MOST OF TODAY'S OPTICAL FLARES BUT
ASSOCIATED X-RAY BURSTS HAVE BEEN BELOW CLASS C LEVELS.

HOWEVER, THESE FLARES HAVE HAD DISCRETE RADIO BURSTS, PRIMARILY
AT CORONAL FREQUENCIES. THE PENUMBRA ON THE LARGE LEADER HAS
SPLIT RESULTING IN A DECAY OF THE DELTA CONFIGURATION. REGION
4507 (S12W21) HAS CONTINUED A SLOW GROWTH TREND TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN LOW. THERE IS A SLIGHT CHANCE FOR AN ISOLATED CLASS M
FLARE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 31/2100Z TO 01/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO REMAIN UNSETTLED THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 02 JUN-04 JUN

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 JUN 113

PREDICTED 02 JUN-04 JUN 114/114/117

90 DAY MEAN 01 JUN 126

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 31 MAY 007/011

ESTIMATED AFR/AP 01 JUN 010/020

PREDICTED AFR/AP 02 JUN-04 JUN 010/015-008/010-008/010

SOLTERWARN

BT