

HFUS 1 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 119

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 28 APRIL 1980

IA. SOLAR ACTIVITY HAS BEEN MODERATE. THERE HAVE BEEN THREE
M CLASS X-RAY EVENTS. THE FIRST AN M2 IN REGION 2407 (S29W56),
MAX AT 1240Z. AND THE SECOND AN M1 IN REGION 2396 (S09W66),
WITH A SUBNORMAL OPTICAL FLARE MAXIMUM AT 1733. ADDITIONALLY
SEVEN FLARES OF CLASS C X-RAY GREATER OR EQUAL TO TWO HAVE BEEN
OBSERVED, WITH THE LARGEST ASSOCIATED OPTICAL OF ONE BRIGHT.
NEW FLARE DEVELOPMENT HAS BEEN OBSERVED IN THE FRONT OF REGION
2396 AND REGION 2407. A NEW REGION 2417 (S12E32) HAS APPEARED
ON THE DISK CLOSE TO REGION 2411 (S13E45). SURGING WITH LOOPS
TO ONE TENTH DISK RADIUS WERE OBSERVED ON THE EAST LIMB.

IB. SOLAR ACTIVITY SHOULD REMAIN MODERATE FOR THE FORECAST
PERIOD, WITH THE POSSIBILITY OF M CLASS ACTIVITY IN REGIONS
2396, 2407, 2411. REGIONS COMING ONTO THE DISK MAY ALSO
CONTRIBUTE.

II. MAGNETIC ACTIVITY IS EXPECTED TO REMAIN UNSETTLED.

III. EVENT PROBABILITIES 29 APRIL - 01 MAY

CLASS M 80/75/75

CLASS X 20/20/20

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 APRIL 201

PREDICTED 29 APRIL - 01 MAY 204/207/210

90-DAY MEAN 28 APRIL 193

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 APRIL 05

ESTIMATED AFR/AP 28 APRIL 05/09

PREDICTED AFR/AP 29 APRIL - 01 MAY 05/10 - 05/15 - 06/13

SOLTERWARN

BT