

HFUS 1 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 160

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 08 JUNE 1980

IA. SOLAR ACTIVITY HAS BEEN MODERATE. THE LARGEST EVENT WAS AN
M4 (MAX 1038Z). NO OPTICAL FLARE HAS BEEN REPORTED BUT RAMEY
OBSERVED LOOPS OVER REGION 2495 (BEYOND WEST LIMB) AFTER X-RAY
MAX. MODERATE CENTIMETRIC BURSTS AND SHORT WAVE FADE THROUGH 18
MHZ WERE REPORTED. REGION 2490 (S13W04) PRODUCED A M1/LARGE 18
AT 1702Z (MAX). THE FLARE WAS A PARALLEL RIBBON STRUCTURE IN THE
SOUTH CENTER AND TRAILER PORTION OF THE REGION. MODERATE
CENTIMETRIC BURSTS AND SHORT WAVE FADE THROUGH 15 MHZ WERE REPORTED.
ALSO, SAN BERNADINO REPORTED POST MAX LOOPS AT 1742Z. REGION 2490
IS REPORTED BY HOLLOMAN AS CURRENTLY UNDERGOING RAPID STRUCTURAL
CHANGES. REGIONS 2500 (N10W37), 2501 (S23E42), 2502 (N19E77), AND
2503 (N14E34) HAVE BEEN ADDED TODAY. CULGOORA REPORTED A CORONAL
NOISE SOURCE OVER REGION 2502. EAST LIMB PROMINENCES HAVE BEEN
VERY ACTIVE TODAY.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE. REGION 2490
IS THE CURRENT DISK REGION EXPECTED TO PRODUCE THE ENERGETIC
EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. THE FIELD IS EXPECTED
TO REMAIN ACTIVE THROUGH THE NEXT 36-48 HOURS AND THEN BECOME
UNSETTLED.

III. EVENT PROBABILITIES 09 JUNE - 11 JUNE

CLASS M 80/80/80

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 JUNE 181

PREDICTED 09-11 JUNE 170/172/175

90-DAY MEAN 08 JUNE 202

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 JUNE 29

ESTIMATED AFR/AP 08 JUNE 17/24

PREDICTED AFR/AP 09-11 JUNE 18/25 - 14/15 - 10/10

SOLTERWARN

BT