

HFUS 1 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 238

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 07 FEB 1979

IA. SOLAR ACTIVITY WAS MODERATE TODAY. THERE WERE TWO CLASS M
X-RAY FLARES. ONE M2/SN FROM REGION 1555 (S20E13) AT 0353Z AND
AN M1 WITH NO OPTICAL REPORT AT 1103Z. THERE HAVE BEEN NUMEROUS
SUBFAINT FLARES FROM REGIONS 1545 (N08W59), 1554 (N35E03),
1555 (S20E13), 1556 (N14E16), 1559 (S18E28), AND 1560 (S19E65).
NO NEW REGIONS WERE VERIFIED TODAY.

IB. SOLAR ACTIVITY SHOULD REMAIN MODERATE THROUGHOUT THE
FORECAST PERIOD. REGIONS 1555, 1556, AND 1548 (S13W36) ARE
HIGHEST IN SIGNIFICANT FLARE POTENTIAL.

II. THE GEOMAGNETIC FIELD WAS QUIET EARLY TODAY, INCREASING TO
UNSETTLED DURING THE 1800Z PERIOD. YESTERDAY'S GEOMAGNETIC
ACTIVITY WAS APPARENTLY CAUSED BY THE PASSING OF A CORONAL HOLE
IN THE SOUTHWEST. THE GEOMAGNETIC FIELD IS EXPECTED TO BE
UNSETTLED FOR THE FORECAST PERIOD.

III. EVENT PROBABILITIES 08-10 FEB

CLASS M 80/80/80

CLASS X 10/10/10

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 FEB 209

PREDICTED 08-10 FEB 207/203/195

90-DAY MEAN 07 FEB 181

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 FEB 15

ESTIMATED AFR/AP 07 FEB 09/10

PREDICTED AFR/AP 08-10 FEB 08/09 - 07/09 - 08/10

SOLTERWAR N

BT