

HFUS-1 BQU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SD E NUMBER 238

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 27 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 (N35E28), 1555 (S20E13), 1556 (N14E16), 1559 (S18E28), AND 1560 (S19E55). 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 1100Z 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 27 FEB 200

PREDICTED 08-10 FEB 207/203/195

90-DAY MEAN 27 FEB 181

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 26 FEB 15

ESTIMATED AFR/AP 27 FEB 09/10

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

SOLTERWARN

BT