

HFUS 1 BDU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 037

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 06 FEBRUARY 1979

IA. SOLAR ACTIVITY WAS LOW EARLY IN THE DAY, INCREASING TO
MODERATE LATER. REGION 1545 (N08W45) PRODUCED AN M2/2B FLARE AT
1620Z AND TWO SUB-FLARES EARLIER. REGION 1555 (S20E27) PRODUCED
NUMEROUS SUB-FLARES. REGION 1555 HAS GROWN INTO A DELTA CONFIGURATION
WITH HIGH POTENTIAL FOR A SIGNIFICANT FLARE. THREE NEW REGIONS
HAVE BEEN REPORTED, 1558 (N19E10), 1559 (S19E40), AND 1560 (S16E79).

IB. SOLAR ACTIVITY SHOULD REMAIN MODERATE THROUGHOUT THE
FORECAST PERIOD, WITH REGIONS 1545, 1548, 1555, AND 1556 ALL
POSSESSING CLASS M-FLARE POTENTIAL.

II. THE GEOMAGNETIC FIELD WAS ACTIVE EARLY IN THE DAY, BECOMING
UNSETTLED. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN UNSETTLED
WITH ACTIVE PERIODS DURING LOCAL NIGHTTIME FOR THE NEXT 24 HOURS,
THEN BECOMING UNSETTLED FOR THE REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 07-09 FEB

CLASS M 70/80/80

CLASS X 05/10/10

PROTON 05/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 FEB 212

PREDICTED 07-09 FEB 213/213/215

90-DAY MEAN 06 FEB 180

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 FEB 10

ESTIMATED AFR/AP 06 FEB 15/16

PREDICTED AFR/AP 07/09 FEB 15/16 - 11/12 - 11/12

SOLIERWARN

BT