

HFUS 1 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 232

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 01 FEBRUARY 1979

IA. SOLAR ACTIVITY HAS BEEN MODERATE. REGION 1548 (N 38E41) PRODUCED AN M2/2B FLARE AT 0758Z AND TWO SUBFLARES LATER IN THE DAY. A SECOND M2 FLARE OCCURRED AT 0906Z WITH NO OPTICAL REPORT. REGION 1548 SHOWED CONSIDERABLE GROWTH TODAY. REGIONS 1545 (N 08E22) AND 1547 (N 19E21) BOTH PRODUCED SUBFAINT FLARES.

IB. SOLAR ACTIVITY SHOULD REMAIN MODERATE FOR THE FORECAST PERIOD. REGION 1548 HAS DEVELOPED THE GREATEST POTENTIAL FOR SIGNIFICANT FLARING. ALSO, 1545 WILL MAINTAIN ITS FLARING POTENTIAL.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TODAY AND IS EXPECTED TO REMAIN UNSETLED THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 02 FEBRUARY - 04 FEBRUARY

CLASS M 170/65/65

CLASS X 10/10/10

PROTON .05/05/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 FEBRUARY 190

PREDICTED 02-04 FEBRUARY 190/186/184

90-DAY MEAN 01 FEBRUARY 179

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 31 JANUARY 08

ESTIMATED AFR/AP 01 FEBRUARY 08/09

PREDICTED AFR/AP 02-04 FEBRUARY 08/09 - 07/08 - 07/08

SOLTERWAR N

BT