

HFUS 1 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 246

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 15 FEBRUARY 1979

I A. SOLAR ACTIVITY REMAINED MODERATE. REGION 1574 (N 15E 48) PRODUCED AN M1/1B FLARE AT 1715Z, AND NUMEROUS C-CLASS X-RAY SUBNORMAL FLARES. SLIGHT GROWTH WAS OBSERVED IN REGION 1574. REGION 1568 (N 19E 24) PRODUCED ONLY SUBFLARES TODAY. REGION 1573 (S 16E 21) HAS RETAINED A STRONG ARCH FILAMENT SYSTEM. NO NEW REGIONS WERE REPORTED.

I B. SOLAR ACTIVITY SHOULD REMAIN MODERATE. REGION 1574 REMAINS THE MOST LIKELY SOURCE OF SIGNIFICANT FLARING. REGIONS 1568, 1573, AND 1577 (N 19E 63) ALSO SHOW SIGNIFICANT FLARE POTENTIAL.

II. THE GEOMAGNETIC FIELD WAS UNSETLED TODAY. THE FIELD SHOULD REMAIN QUIET TO UNSETLED FOR THIS FORECAST PERIOD. THERE IS A WEAK CORONAL HOLE IN THE NORTH EAST WHICH MAY INFLUENCE THE GEOMAGNETIC FIELD DURING THE NEXT FORECAST PERIOD.

III. EVENT PROBABILITIES 16-18 FEBRUARY

CLASS M 85/85/85

CLASS X 10/10/10

PROTON 10/10/10

PCAF - YELLOW

IV. OTTAWA 14.7 CM FLUX

OBSERVED 14.7 CM FLUX 15 FEB 216

PREDICTED 14.7 CM FLUX 16-18 FEB 217/218/218

9-DAY MEAN 14.7 CM FLUX 15 FEB 187

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 14 FEB 01

ESTIMATED AFR/AP 14 FEB 11/10

PREDICTED AFR/AP 16-18 FEB 08/11 - 09/12 - 08/10

SOLAR WARNS

BT