

HFUS 1 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 746

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

IA. SOLAR ACTIVITY REMAINED MODERATE. REGION 1574 (N16E48)  
PRODUCED AN M1/IB FLARE AT 1715Z, AND NUMEROUS C-CLASS X-RAY  
SUBNORMAL FLARES. SLIGHT GROWTH WAS OBSERVED IN REGION 1574.  
REGION 1568 (N19E24) PRODUCED ONLY SUBFLARES TODAY. REGION  
1573 (S16E21) HAS RETAINED A STRONG ARCH FILAMENT SYSTEM.  
NO NEW REGIONS WERE REPORTED.

IB. SOLAR ACTIVITY SHOULD REMAIN MODERATE. REGION 1574  
REMAINS THE MOST LIKELY SOURCE OF SIGNIFICANT FLARING.  
REGIONS 1568, 1573, AND 1577 (N18E63) ALSO SHOW SIGNIFICANT  
FLARE POTENTIAL.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED TODAY. THE FIELD  
SHOULD REMAIN QUIET TO UNSETTLED 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 10.7 CM FLUX

OBSERVED 15 FEB 216

PREDICTED 16-18 FEB 217/218/218

92-DAY MEAN 15 FEB 187

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 FEB 01

ESTIMATED AFR/AP 15 FEB 11/10

PREDICTED AFR/AP 16-18 FEB 08/11 - 09/13 - 08/10

SOLTERWAR N

BT