

HFUS 1 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 047

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 16 FEBRUARY 1980

I.A. SOLAR ACTIVITY WAS AT LOW LEVELS AGAIN DURING THE PAST 24 HOURS. ONLY UNINTERESTING C-CLASS SUBFLARES WERE OBSERVED WITH THREE OF THESE EVENTS OCCURRING IN REGION 2283 (S19E19). REGION 2281 (N10W02) STILL APPEARS TO HAVE FLARE POTENTIAL BUT HAS REMAINED UNEXPLAINABLY QUIET.

I.B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT LOW LEVELS FOR THE NEXT 24 HOURS, BUT AN ISOLATED M-CLASS EVENT FROM REGION 2283 OR 2281 COULD OCCUR.

II. THE GEOMAGNETIC STORM CONDITIONS WHICH GRADUALLY COMMENCED AT 1920Z ON 15 FEBRUARY DECLINED TO ACTIVE LEVELS BY 1600Z TODAY. A FURTHER GRADUAL DECLINE TO UNSETTLED CONDITIONS IS FORECAST DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 17 - 19 FEB

CLASS M 5/05/0/60

CLASS X 65/05/05

PREDICTED 21/01/01

PCAF GREEN

IV. OTAWA 10.7 CM FLUX

OBSERVED 16 FEB 2.05

PREDICTED 17 - 19 FEB 2.04/2.01/2.01

90-DAY MEAN 16 FEB 2.06

V. GEOMAGNETIC INDICES

OBSERVED, FREDERICKSBURG 15 FEB 25

ESTIMATED AFR/AP 16 FEB / 36/38

PREDICTED AFR/AP 17-19 FEB / 15/15 10/10 08/08

SOLTERWARN

BT