

HFUS 1800 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

IA. 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.

IB. 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 50/50/60

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTAWA 10.7 CM FLUX

OBSERVED 16 FEB 205

PREDICTED 17 - 19 FEB 204/201/201

90-DAY MEAN 16 FEB 206

V. GEOMAGNETIC A 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