

HFUS 1 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 053

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 22 FEBRUARY 1980

IA. SOLAR ACTIVITY CONTINUES AT A LEVEL LIKE SOLAR MINIMUM WITH
ONLY THREE SMALL CLASS C EVENTS TODAY. A CLASS C3 EVENT AT 1907Z
ACCOMPANIED A SURGE/SPRAY AT N12E90. TWO C1 EVENTS OCCURRED IN
REGION 2291 (S11E57). SPOT GROWTH HAS CONTINUED SLOWLY IN REGION
2288 (N10E15). ITS STRUCTURE REMAINS SIMPLE. ALL OTHER REGIONS
ARE SMALL AND DECAYING.

IB. RETURNING REGIONS IN LONGITUDES WITH A HISTORY OF ENHANCED
ACTIVITY WILL BEGIN TO RAISE THE ACTIVITY LEVEL DURING THIS
FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS.
QUIET TO UNSETTLED CONDITIONS WILL OCCUR THROUGHOUT THE NEXT THREE
DAYS.

III. EVENT PROBABILITIES 23-25 FEB

CLASS M 25/35/50

CLASS X 01/01/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CMFLUX

OBSERVED 22 FEB 171

PREDICTED 23-25 FEB 170/175/182

30-DAY MEAN 22 FEB 205

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 21 FEB 04

ESTIMATED AFR/AP 22 FEB 05/06

PREDICTED AFR/AP 23-25 FEB 10/08 - 12/10 - 12/07

SOLTERWARN

BT