

SDF NUMBER 033

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 02 FEBRUARY 1979

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1545 (N07E08) PRODUCED A ~~C/S~~ **C/SB**

~~200~~ SUB-BRIGHT FLARE~~S~~ STARTING AT 0014Z ~~AND 0023Z~~. THERE
WERE NUMEROUS C-CLASS X-RAY FLARES WITHOUT OPTICAL REPORTS.
REGION 1548 (S13E28) CONTINUED GROWING AT A REDUCED RATE.
THREE NEW REGIONS ROTATED OVER THE EAST LIMB TODAY, 1553
(N14E75) 1554 (N37E76), AND 1555 (S21E80).

IB. SOLAR ACTIVITY IS EXPECTED TO BECOME MODERATE. ALTHOUGH
REGIONS 1545 AND 1548 PRODUCED NO SIGNIFICANT FLARES TODAY,
THESE TWO REGIONS WILL MAINTAIN A HIGH FLARING POTENTIAL
THROUGHOUT THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED AND IS EXPECTED TO
REMAIN UNSETTLED THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 03 FEBRUARY - 05 FEBRUARY

CLASS M 65/65/70

CLASS X 10/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 FEBRUARY 190

PREDICTED 03-05 FEBRUARY 190/192/195

90-DAY MEAN 02 FEBRUARY 179

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 FEBRUARY 05

ESTIMATED AFR/AP 02 FEBRUARY 08/09

PREDICTED AFR/AP 03-05 FEBRUARY 08/10 -09/10 - 10/12

SOLTERWARN