

HFUS 1 B 0U 2722 00

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO  
SDF NUMBER 147

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 27 MAY 1979

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 24 HOURS.  
FOUR CI X-RAY BURSTS WERE NOTED USING GOES SATELLITE SENSORS BUT  
ONLY ONE OF THESE HAD ACCOMPANYING OPTICAL OBSERVATIONS. THAT WAS  
A SUBFAINT FLARE FROM THE SPOTLESS AREA NEAR (S22E38).

THIS IS THE SECOND DAY IN A ROW THAT A-SUBFLARE  
HAS OCCURRED IN THIS SPOTLESS AREA. A STRONG SURGE AT (NE22) MAY  
HERALD THE RETURN OF DYNAMIC ACTIVITY TO THE DISK.

IB. SOLAR ACTIVITY IS EXPECTED TO BEGIN TO INCREASE SLOWLY FROM  
THIS LOW POINT. HOWEVER, NO MAJOR ACTIVITY IS EXPECTED DURING THE  
NEXT 72 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING THE PAST 24 HOURS.  
ACTIVITY IS EXPECTED TO DIMINISH SLOWLY OVER THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 28 MAY - 30 MAY 1979

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 MAY 146

PREDICTED 28 - 30 MAY 147/148/150

90-DAY MEAN 27 MAY 177

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 26 MAY

ESTIMATED AFR/AP 27 MAY 20

PREDICTED AFR/AP 28 - 30 MAY 22/25

SOLTERWARN 15/20 10/10-08/10

BT