

HFUS 1 BOU 2722 00

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO.

SDF NUMBER 058

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 22 00Z 27 FEBRUARY 1979

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. ONLY FOUR C-CLASS SUBFLARES HAVE BEEN REPORTED. NEW REGIONS 1598 (N07E 73) AND 1599 (S23E 81) HAVE APPEARED OVER THE EAST LIMB. ANOTHER ACTIVE CENTER MAY BE FOLLOWING THE SOUTHEAST REGION ONTO THE DISK.

IB. THERE IS CURRENTLY A LULL IN SOLAR ACTIVITY. THIS RESPITE IS PROBABLY ONLY TEMPORARY. REGION 1598 HAS PERHAPS THE BEST ENERGETIC FLARE POTENTIAL OF ANY REGION ON THE DISK AND ACCURATE ASSESSMENT OF THAT POTENTIAL AWAITS A BETTER LOOK AT THE REGION.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED DURING THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BECOME GRADUALLY QUIETER OVER THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 28 FEBRUARY - 02 MARCH

CLASS M 30/30/40

CLASS X 5/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 FEB 166

PREDICTED 28 FEB-02 MAR 168/172/176

90-DAY MEAN 27 FEB 195

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 26 FEB 17

ESTIMATED AFR/AP 27 FEB 15/27

PREDICTED AFR/AP 28 FEB-02 MAR 12/18 - 10/14 - 07/12

SOLTERWARN

BT