

160-20

HFUS 1 BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO.  
SDF NUMBER 361

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

IA. SOLAR ACTIVITY HAS BEEN MODERATE FOR THE PAST 24 HOURS.

AN M3/SF FLARE OCCURRED AT 0340 UT (MAXIMUM) FROM REGION 1591 (S21W15). C-CLASS SUBFLARES ORIGINATED FROM REGIONS 1599 (S21E41), 1595 (S34W45). A NEW REGION WHICH WAS TENTATIVELY ASSOCIATED WITH 1601 (N13E5) YESTERDAY, HAS BEEN NUMBERED SEPARATELY AS 1604 (N17E66). REGIONS 1601/1604 ARE IN THE LOCATION OF RETURNING

REGION 1556, WHICH PRODUCED CONSIDERABLE ACTIVITY LAST ROTATION. NEW REGION 1605 (S15E76) IS A D-TYPE BETA AND IS RETURNING

REGION 1555 WHICH ALSO WAS ACTIVE LAST ROTATION. Region 1605 is currently showing class subflare activity

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE FOR THE NEXT 24 HOURS. REGIONS 1599 AND 1595 ARE MAGNETICALLY COMPLEX AND REGIONS 1601, 1604, AND 1605 SHOULD INCREASE THE PROBABILITIES OF ENERGETIC EVENTS AS THEY ROTATE ONTO CENTER DISK.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE FOR THE PAST 24 HOURS. THE FIELD SHOULD REMAIN UNSETLED THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 03-05 MARCH

CLASS M 70/75/80

CLASS X 20/25/30

PROTON 35/35/10

PCAF GREEN

IV. OTTAWA 10.7 CM. FLUX

OBSERVED 02 MAR 174

PREDICTED 03-05 MAR 178/184/190

9-DAY MEAN 02 MAR 195

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 01 MARCH 07

ESTIMATED AFR/AP 02 MARCH 14/19

PREDICTED AFR/AP 03-05 MARCH 10/10 - 12/12 - 15/15

SOLAR WARNS

BT