

HFUS 1 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 360

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 01 MARCH 1979

IA. THE SOLAR ACTIVITY WAS HIGH DURING THE LAST 24 HOURS. A
X1 FLARE OCCURRED AT 01/1019Z. MOSCOW REPORTED A 3B FLARE IN REGION
1599 (S21E54) AT 01/1025Z. A TENFLARE OF 290 FLUX UNITS WAS ALSO
REPORTED WITH THE X1 FLARE. REGION 1595 (S24E27) HAD A M2/SB
FLARE AT 01/1134Z. REGION 1600 (S33W32) PRODUCED A SN FLARE AT
1308Z AND A SF AT 1713Z. REGION 1599 ALSO PRODUCED A C8/SF FLARE
AT 1556Z. A SF AT 1126Z AND A SN AT 1516Z AND 1651Z. NEW REGION
1602 (N24W12), B TYPE GROUP, PRODUCED A SF FLARE AT 1824Z. A IN/C3
FLARE AT 2018Z WAS OBSERVED AT SE 18, REGION WHICH PRODUCED FLARE
IS STILL BEHIND THE LIMB, THIS SHOULD BE OLD REGION 156.
NEW REGION 1603 (N35E23) IS A B TYPE GROUP. H TYPE SPOT NE OF 1601
(N13E73) MAY BE PART OF REGION 1601, HOWEVER DETERMINATION WILL
HAVE TO WAIT UNTIL THE REGION OR REGIONS ROTATE FURTHER
ONTO THE VISIBLE DISK.

IB. SOLAR ACTIVITY SHOULD BE MODERATE DURING FORECAST PERIOD.
REGIONS 1599, 1595 AND 1601 HAVE POTENTIAL FOR ENERGETIC
ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE LAST
24 HOURS. THE FIELD IS EXPECTED TO REMAIN UNSETTLED.

III. EVENT PROBABILITIES 22 MARCH - 04 MARCH

CLASS M 40/40/50

CLASS X 10/10/15

PROTON 01/05/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 MAR 172

PREDICTED 22-04 MAR 177/184/191

90-DAY MEAN 01 MAR 195

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 28 FEB 13

ESTIMATED AFR/AP 01 MAR 20/14

PREDICTED AFR/AP 22-04 MAR 07/07 - 08/10 - 12/15

SOLTERWARN

BT