

HFUS 1 BOU 2822 00

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 059

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 28 FEBRUARY 1979

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. A FEW
SMALL C CLASS FLARES HAVE OCCURRED THE LARGEST A C4/SF FROM
REGION 1598 (N08E61) AT 0228U.T. A M FLARE WAS OBSERVED FROM
REGION 1598 BUT NO X-RAY WAS OBSERVED. OPTICAL SF FLARES HAVE
ALSO BEEN OBSERVED FROM REGIONS 1599 (S22E66), 1596 (S18W22) AND
1595 (S25E39) WITH X-RAYS AT OR BELOW C2. NEW REGION 1600 (S33W14)
C TYPE WITH STRONG ARCH FILAMENT SYSTEM IN PROGRESS.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW DURING FORECAST PERIOD.
REGION 1598 AND 1595 HAVE THE BEST POTENTIAL FOR ENERGETIC
ACTIVITY. OLD REGION 1556 SHOULD BE MAKING ITS APPEARANCE AT
NE 15 NEAR END OF FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST
24 HOURS. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN NEAR
UNSETTLED CONDITIONS FOR THE NEXT 24 HOURS AND THEN TO BECOME
GRADUALLY QUIETER.

III. EVENT PROBABILITIES 10 MARCH - 03 MARCH

CLASS M 25/30/40

CLASS X 05/05/10

PROTON 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 FEB 167

PREDICTED 01-03 MAR 172/177/184

90-DAY MEAN 28 FEB 195

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 FEB 17

ESTIMATED AFR/AP 28 FEB 13/15

PREDICTED AFR/AP 01-03 MAR 08/10 - 07/07 - 08/10

SOLTERWAR N

BT