

HFUS 1 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 007

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 7 JANUARY 1979

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOUR PERIOD
IN SPITE OF THE LARGE NUMBER OF REGIONS CURRENTLY VISIBLE (18).
NO SIGNIFICANT FLARES HAVE BEEN DETECTED. REGION 1494 (N10E07)
HAS EXHIBITED SOME GROWTH TRENDS. SEVERAL NEW REGIONS HAVE BEEN
OBSERVED AND HAVE BEEN NUMBERED 1500 (N34W54), 1501 (N08W12),
1502 (N16E63), AND 1503 (N20E65). NONE OF THESE REGIONS APPEAR
EXCEPTIONAL.

IB. SOLAR ACTIVITY SHOULD BE AT A LOW TO MODERATE LEVEL FOR THE
NEXT 24 HOURS. SEVERAL REGIONS ON THE DISK ARE CAPABLE OF
PRODUCING SIGNIFICANT FLARING ACTIVITY. NO EXTRAORDINARY REGIONS
ARE DUE TO RETURN DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. THE FIELD SHOULD
REMAIN GENERALLY ACTIVE FOR THE FORECAST PERIOD.

III. EVENT PROBABILITIES 08 JANUARY - 10 JANUARY

CLASS M 40/40/40

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 JANUARY 194

PREDICTED 08-10 JANUARY 200/205/205

90-DAY MEAN 07 JANUARY 169

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 JANUARY 15

ESTIMATED AFR/AP 07 JANUARY 18/29

PREDICTED AFR/AP 08-10 JANUARY 15/25 - 12/15 - 15/20

SOLTERWARN

BT