

HFUS 1 BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 023

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 23 JANUARY 1979

IA. DESPITE NUMEROUS SUBFLARES FROM EIGHT OF THE SPOTTED REGIONS,
SOLAR ACTIVITY HAS BEEN LOW TODAY. THE LARGEST EVENTS WERE A
C5 AT 0631Z WITH SIMULTANEOUS SUBFLARES IN REGIONS 1519 (N19W30) AND
1525 (N12E06); AND, A C6/SB AT 2034Z IN REGION 1528 (N21E27).
REGION 1519 IS DECAYING IN STRUCTURE BUT RETAINS A BETA GAMMA
CONFIGURATION (YESTERDAYS DELTA HAS DECAYED). REGIONS 1525 AND
1527 (N10E08) SHARE A COMMON, COMPLEX NEUTRAL LINE. REGIONS
1528, 1532 (S15E36) AND 1533 (S26E48) ALL CURRENTLY CONTAIN
ISOLATED POLARITIES WITHIN BASIC BIPOLAR STRUCTURES.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE WITH ALL OF THE REGIONS
LISTED IN IA CAPABLE OF PRODUCING CLASS M X-RAY FLARES.

II. THE FIELD WAS UNSETTLED, BECOMING ACTIVE AFTER 0000Z.
THE FIELD IS EXPECTED TO BE ACTIVE FOR THE NEXT 12-18 HOURS
WITH A GRADUAL TRANSITION TO UNSETTLED CONDITIONS THE
BALANCE OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 24-26 JANUARY

CLASS M 90/90/90

CLASS X 15/15/15

PROTON 15/15/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 JANUARY 232

PREDICTED 24-26 JANUARY 232/232/232

90-DAY MEAN 23 JANUARY 175

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 22 JANUARY 0

ESTIMATED AFR/AP 23 JANUARY 18/25

PREDICTED AFR/AP 24-26 JANUARY 14/26 / 12/17 / 10/13

SOLTERWARN

BT