

HFUS 1 BOU 2322 00

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 054

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

IA. SOLAR ACTIVITY HAS BEEN MODERATE THE PAST 24 HOURS. REGION 1574 (N 17W 57) HAS SIMPLIFIED SOMEWHAT AND CONTINUES A SLOW DECAY. THIS REGION PRODUCED A M1/1B FLARE AT 23/1453Z AND SEVERAL SUBFLARES AND ASSOCIATED C-CLASS X-RAY EVENTS THROUGHOUT THE DAY. REGION 1568 (N 19W 84) HAS DEGRADED CONSIDERABLY AND HAS NOT FLARED IN THE PAST 24 HOURS. REMAINING REGIONS ARE STABLE OR UNIMPRESSIVE. NEW REGION 1588 (S 20W 03) HAS EMERGED AND IS A SMALL D-TYPE GROUP. NEW REGIONS 1589 (S 22W 33), 1590 (N 12E 69) AND 1591 (S 22E 73) ARE SMALL B, A AND C-TYPE GROUPS RESPECTIVELY.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE DURING THE NEXT 24 HOURS. REGION 1574 IS CAPABLE OF PRODUCING M-CLASS X-RAY EVENTS AS IT CONTINUES TO DECAY. REGION 1568 OFFERS LITTLE THREAT OF ENERGETIC EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE THE PAST 24 HOURS. GENERALLY UNSETTLED TO QUIET CONDITIONS ARE EXPECTED FOR THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 24-26 FEB

CLASS M 70/70/30

CLASS X 15/15/05

PROTON 10/10/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 FEB 201

PREDICTED 24-16 FEB 190/185/180

90-DAY MEAN 23 FEB 195

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 22 FEB 24

ESTIMATED AFR/AP 23 FEB 21/20

PREDICTED AFR/AP 24-26 FEB 12/14 - 07/10 - 07/08

SOLTERWARN

BT