

HFUS 1 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 030

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 30 JAN 1980

IA. SOLAR ACTIVITY RANGED FROM MODERATE TO LOW DURING THE PAST 24
HOURS. APPARENTLY REGIONS 2245 AND 2247 HAD KEPT MOST PARAMETERS
HIGH DURING THEIR WEST LIMB TRANSIT, AND PRESENT DISK REGIONS ARE
PRODUCING ONLY MINOR ACTIVITY. THE LARGEST EVENT OF THE PERIOD WAS
A C9/SB FROM REGION 2259 (N05E18). SMALL C FLARES WERE ALSO OBSERVED
IN REGIONS 2258 (S22W09) AND 2262 (N16E36). THE AREA AROUND 2262
HAS BEEN SPLIT INTO TWO REGIONS, THE SE PORTION IS NOW NUMBERED
2267 (N12E45). ALTHOUGH LITTLE HAS CHANGED STRUCTURALLY IN MOST DISK
REGIONS, THE AREA AROUND REGIONS 2259, 2262, AND 2267 APPEARS UN-
STABLE. SMALL SURGES HAVE BEEN REPORTED ON EAST LIMB NEAR S15.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE THRU THE FORECAST PERIOD
AS REGIONS RETURN TO THE EAST LIMB. IN FREQUENT ENERGETIC ACTIVITY
IS POSSIBLE FROM THE 2262/2267 AREA AND 2258.

II. THE GEOMAGNETIC FIELD WAS ACTIVE EARLY IN THE UT DAY AND IS
CURRENTLY UNSETTLED. CONDITIONS ARE EXPECTED TO REMAIN UNSETTLED
TOMORROW BECOMING QUIET BY THE END OF THE PERIOD.

III. EVENT PROBABILITIES 31 JAN - 02 FEB

CLASS M 90/90/90

CLASS X 10/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 JAN 205

PREDICTED 31 JAN-02 FEB 210/215/220

90-DAY MEAN 30 JAN 215

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 JAN 19

ESTIMATED AFR/AP 30 JAN 11/12

PREDICTED AFR/AP 31 JAN-02 FEB 10/12 07/07 06/08

SOLTERWARN

BT