

HFUS 1 BOU 3022.00

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 630

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 30 JAN 1980

I. 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/SR 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 UNSTABLE. SMALL SURGES HAVE BEEN REPORTED ON EAST LIMB NEAR S15.

II. 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.

III. EVENT PROBABILITIES 31 JAN - 02 FEB

CLASS M 9.0/90/90

CLASS X 10/10/10

PREDICTON 25/25/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10.7 30 JAN 2.25

PREDICTED 31 JAN-02 FEB 2.10/2.15/2.20

90-DAY MEAN 30 JAN 2.15

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 JAN 11/19

ESTIMATED AFR/AP 30 JAN 11/12

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

SOLARFLARES

BT