

HFUS 1 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 224

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 12 AUGUST 1978

IA. A SLIGHT INCREASE IN SOLAR ACTIVITY HAS OCCURRED OVER THE PAST 24 HOUR, MOSTLY IN TERMS OF THE EMERGENCE OF NEW ACTIVE CENTERS.

TWO SMALL REGIONS HAVE DEVELOPED EAST OF 1239 (N18W15) AND TWO TO THE WEST OF 1238 (S28W30). OF THESE REGIONS, 1249 (S22W61) APPEARS TO BE THE MOST DYNAMIC AND IS GROWING IN THE AREA NEAR OLD 1236

(S19W60). SMALL SURGE ACTIVITY HAS BEEN REPORTED ON THE EAST LIMB NEAR N35. THE REMAINDER OF THE DISK AND LIMBS APPEAR STABLE.

IB. THE VERY LOW LEVEL OF SOLAR ACTIVITY WILL CONTINUE THRU THE FORECAST PERIOD. INFREQUENT X-RAY EVENTS ARE POSSIBLE FROM THE AREA AROUND 1238 AND POSSIBLY THE NE LIMB AREA.

II. THE GEOMAGNETIC FIELD BECAME ACTIVE TO MINOR STORM LEVELS EARLY THIS UT DAY, HOWEVER, CONDITIONS HAVE AGAIN RETURNED TO GENERALLY UNSETTLED. BRIEF ACTIVE PERIODS ARE EXPECTED NEAR LOCAL MIDNIGHT WITH A GRADUAL DECLINE TO QUIET CONDITIONS BY THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 13 AUGUST - 15 AUGUST

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 AUGUST 121

PREDICTED 13-15 AUGUST 119/117/115

90-DAY MEAN 12 AUGUST 135

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 AUGUST 10

ESTIMATED AFR/AP 12 AUGUST 21/26

PREDICTED AFR/AP 13-15 AUGUST 15/18 - 08/10 - 07/08

SOLTERWARN