

HFUS 1 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO.

SDF NUMBER 237

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 25 AUGUST 1979

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. REGION 1943 (N25E03) PRODUCED A M1/1B FLARE AT 1943Z. MINOR CENTIMETRIC BURSTS AND MODERATE SHORT WAVE FADE ACCCOMPANIED THIS FLARE. ADDITIONALLY, A SWARM OF SUBFLARES HAVE BEEN REPORTED, HAVING OCCURRED IN NINE OF THE 13-SPOOTTED REGIONS. REGION 1943 STILL RETAINS THREE DELTA CONFIGURATIONS WITHIN ITS ELONGATED STRUCTURE. AFTER ITS RAPID RISE YESTERDAY, REGION 1951 (N18E11) HAS SLOWED ITS GROWTH. REGION 1942 (S32E03) IS BEGINNING TO SIMPLIFY.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE WITH REGION 1943 RETAINING ITS POTENTIAL FOR ENERGETIC FLARES. ADDITIONALLY, REGIONS 1951 AND 1942 SHOULD ADD TO THE CLASS C ACTIVITY.

II. THE GEOMAGNETIC FIELD WAS UNSETLED UNTIL NEAR 0730Z AND ACTIVE SINCE. THE FIELD IS EXPECTED TO BE PRIMARILY IN STORM CONFIGURATION DURING THE NEXT THREE DAYS. THE SOLAR WIND FROM THE CORONAL HOLE IS EXPECTED TO BE HIGHER AND MORE TURBULENT DUE TO PAST FLARES IN REGION 1943.

III. EVENT PROBABILITIES 26 - 28 AUG

CLASS M 9 0/9 0/9 0

CLASS X 4 0/4 0/4 0

PREDICTED 3 0/4 0/4 0

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 AUG 232

PREDICTED 26-28 AUG 225/222/215

90-DAY MEAN 25 AUG 173

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 24 AUG 09

ESTIMATED AFR/AP 25 AUG 16/18

PREDICTED AFR/AP 26-28 AUG 35/55 35/55 28/30

SOLTERWARN

BT