

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 (N05E03)  
PRODUCED A M1/1B FLARE AT 1943Z. MINOR CENTIMETRIC BURSTS AND  
MODERATE SHORT WAVE FADE ACCOMPANIED THIS FLARE. ADDITIONALLY,  
A SWARM OF SUBFLARES HAVE BEEN REPORTED, HAVING OCCURRED IN NINE  
OF THE 13 SPOTTED 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 UNSETTLED 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 90/90/90

CLASS X 40/40/40

PROTON 30/40/40

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 A 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