

28 Aug 78

HFUS 1 BOU 282200

FROM SPACE ENVIRONMENTAL SERVICES CENTER BOULDER COLO

SDF NUMBER 240

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z AUGUST 1978

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. SUBFLARES HAVE OCCURRED IN  
REGIONS 1265 (N10E02) AND 1266 (N20E42), BOTH OF WHICH ARE SMALL  
AND DECLINING. MINOR NEW REGIONS HAVE APPEARED AT NORTHEAST AND  
SOUTHEAST LIMBS. A LOW-LATITUDE CORONAL HOLE IS AT CENTRAL  
MERIDIAN.

IB. SOLAR ACTIVITY WILL CONTINUE VERY LOW WITH SLOWLY RISING  
ACTIVITY INDICES.

II. A MAJOR MAGNETIC STORM REACHED PEAK INTENSITY 0600-0900Z TODAY  
AND HAS SUBSIDED THROUGHOUT THE REMAINDER OF THE DAY. UNSETTLED  
CONDITIONS ARE EXPECTED FOR THE NEXT TWO DAYS BEFORE RECURRENCE  
OF A MINOR STORM ASSOCIATED WITH A LOW-LATITUDE CORONAL HOLE.

III. EVENT PROBABILITIES 29 AUGUST - 31 AUGUST

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 AUGUST 107

PREDICTED 29-31 AUGUST 110/115/120

90-DAY MEAN 28 AUGUST 130

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 AUGUST 28

ESTIMATED AFR/AP 28 AUGUST 75/115

PREDICTED AFR/AP 29-31 AUGUST 20/20 - 15/20 - 25/25

SOLTERWARN

BT