

HFUS 1 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 210

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 28 JULY 1980

IA. SOLAR ACTIVITY REMAINED LOW DURING THE PAST 24 HOURS. FLARES  
CONTINUE TO BE FEW AND IN THE C-CLASS/SUBFLARE CATEGORY. VISIBLE  
DISK REGIONS ARE STILL LACKING IN DYNAMIC CHARACTERISTICS AND  
ARE BASICALLY DECLINING. THE EXCEPTION TO THIS CASE IS REGION  
2588 (S08E13) WHICH IS SLOWLY DEVELOPING TRAILER SPOTS AND IS A  
SIMPLE "E" TYPE SPOT GROUP AS A RESULT. REGION 2582 (N11W47)  
RETAINS ITS UNIQUE POLARITY ARRANGEMENT BUT CONTINUES TO DECAY  
AND SIMPLIFY. NEW REGIONS ARE DEVELOPING NEAR N11E34 AND  
S36E48 AND ARE NUMBERED 2593 AND 2594 RESPECTIVELY. SMALL SURGES  
HAVE BEEN OBSERVED WITH THE DEPARTURE OF REGION 2576 (NW15).

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. THE GEOMAGNETIC FIELD PROLONGED ITS PERIOD OF UNREST AND  
HAS REMAINED UNSETTLED TO ACTIVE. A TREND TOWARD QUIETER  
CONDITIONS IS EXPECTED FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 29 JULY - 31 JULY

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 JULY 164

PREDICTED 29-31 JULY 154/148/146

90-DAY MEAN 28 JULY 204

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 JULY 15

ESTIMATED AFR/AP 28 JULY 14/18

PREDICTED AFR/AP 29-31 JULY 07/08 - 07/07 - 12/15

SOLTERWARN

BT