

HFUS 1 20U 132200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 195

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 13 JULY 1980

IA. SOLAR ACTIVITY HAS BEEN MODERATE TODAY DUE TO AN M2.2/SB  
FLARE FROM REGION 2562 (S12E42) AT 1718Z. THIS REGION HAS BEEN  
RESPONSIBLE FOR NUMEROUS C-CLASS X-RAY EVENTS AND POSSESSES A  
VERY STRONG MAGNETIC GRADIENT AND AT LEAST THREE DELTAS. REGIONS  
2563 (N21E20) AND 2567 (S12E60) EACH PRODUCED A SUBFLARE. REGIONS  
2554 (N17W27) AND 2565 (N17W37) BOTH CONTAIN A DELTA. THREE NEW  
REGIONS WERE NUMBERED TODAY: 2568 (S08W31), 2569 (N20E77), AND  
2570 (S22E76).

IB. SOLAR ACTIVITY IS EXPECTED TO BECOME HIGH FOR THE FORECAST  
PERIOD DUE TO FLARE POTENTIAL OF REGION 2562. REGIONS 2554,  
2563, AND 2565 ALL POSSESS MODERATE FLARE POTENTIAL.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TODAY AND IS  
EXPECTED TO REMAIN MILDLY UNSETTLED FOR THE FORECAST PERIOD.

III. EVENT PROBABILITIES 14 JULY - 16 JULY

CLASS M 9 0/9 0/9 0

CLASS X 25/25/25

PROTON 01/05/15

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 JULY 191

PREDICTED 14-16 JULY 190/197/203

90-DAY MEAN 13 JULY 200

V. GEOMAGNETIC A INDICES

OBSERVED BOULDER 12 JULY 08

ESTIMATED ABO/AP 13 JULY 09/11

PREDICTED AFR/AP 14-16 JULY 07/10 - 06/08 - 08/08

SOLTERWARM

BT