

HFUS 1 BDU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 191

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 09 JULY 1980

IA. SOLAR ACTIVITY HAS REMAINED LOW. THE LARGEST CORRELATED FLARE WAS A C7/SB AT 1220Z FROM REGION 2550 (N27W81). MINOR CENTIMETRIC BURSTS ACCOMPANIED THIS FLARE. REGION 2550 CONTINUES ITS APPARENT DECAY. NO OPTICAL REPORT HAS YET BEEN RECEIVED FOR THE LARGEST X-RAY BURST, A C9, WHICH OCCURRED AT 0755Z. ACTIVITY FROM REGION 2559 (N17E69) HAS BEEN MINIMAL TODAY. REGION 2561 (S04E41) HAS EMERGED TODAY. STRONG GROWTH CONTINUES IN THIS REGION. WEAK LOOP PROMINENCE AND CORONAL RAIN WAS OBSERVED AT 1330Z FROM NE 15-21. THIS IS THE AREA WHERE OLD REGION 2524 IS DUE BACK TOMORROW. ALSO, INTERMITTENT SURGING IS OCCURRING NEAR SE 11.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE. OLD REGION 2524 PRODUCED 5 CLASS M EVENTS LAST ROTATION. THE LOOP PROMINENCE SYSTEM INDICATES THE REGION MAY STILL BE ACTIVE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. THE FIELD IS EXPECTED TO BE UNSETTLED TO QUIET THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 10 JULY - 12 JULY

CLASS M 70/80/80

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 JULY 150

PREDICTED 10-12 JULY 150/154/158

90-DAY MEAN 09 JULY 203

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 JULY 12

ESTIMATED AFR/AP 09 JULY 10/13

PREDICTED AFR/AP 10-12 JULY 10/12 - 08/10 - 06/08

SOLTERWARN

BT