

HFUS 1 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 198

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 17 JULY 1978.

IA. SOLAR ACTIVITY HAS BEEN LOW, CONFINED TO LOW LEVEL CLASS C X-RAY EVENTS ASSOCIATED WITH FLARES FROM FOUR REGIONS. REGION 1203 (N 18W 40) IS BEGINNING TO WEAKEN IN STRUCTURE BUT REMAINS MAGNETICALLY COMPLEX AND UNSTABLE IN BEHAVIOR. THOUGH THE SUNSPOT STRUCTURE IN REGIONS 1208 (N 15W 13) AND 1211 (N 18E 17) ARE SIMPLE MAGNETICALLY, THE H-ALPHA STRUCTURE IS MORE COMPLEX. BOTH THESE REGIONS HAVE CONTRIBUTED TO FLARE PRODUCTION TODAY.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETTLED. THE FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE, WITH THE MOST ACTIVE PERIODS OCCURRING ON 19-20 JULY.

III. EVENT PROBABILITIES 18 JULY - 20 JULY

CLASS M 85/85/85

CLASS X 40/40/40

PROTON 50/50/50

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 JULY 156

PREDICTED 18-20 JULY 153/151/149

90-DAY MEAN 17 JULY 147

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 16 JULY 05

ESTIMATED AFR/AP 17 JULY 07/10

PREDICTED AFR/AP 18-20 JULY 12/15 - 14/20 - 14/18

SOLTERWARN

BT