

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 (N18W40) IS BEGINNING TO WEAKEN IN STRUCTURE BUT REMAINS
MAGNETICALLY COMPLEX AND UNSTABLE IN BEHAVIOR. THOUGH THE SUNSPOT
STRUCTURE IN REGIONS 1208 (N15W13) AND 1211 (N18E17) 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 A 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