

HFUS 1 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 200

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 19 JULY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1203 (N17W65) HAS PRODUCED ONLY FOUR SMALL X-RAY EVENTS. HOWEVER, REGION 1203 IS STILL COMPLEX MAGNETICALLY WITH SOME INTENSIFICATION OF ITS DELTA CONFIGURATION. TWO NEW REGIONS HAVE FORMED-HIGH LATITUDE REGION 1223 (S38W20) AND REGION 1224 (S17E29). REGION 1211 (N19W09) IS SHOWING SOME SUBFLARE ACTIVITY WITH GROWTH IN H-ALPHA.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE. REGION 1203 RETAINS ITS POTENTIAL OF PRODUCING ENERGETIC ACTIVITY AND SHOULD DO SO THE REMAINDER OF ITS TRANSIT.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE. GEOMAGNETIC CONDITIONS SHOULD REMAIN GENERALLY UNSETTLED TO ACTIVE WITH A POSSIBILITY OF BRIEF PERIODS OF MINOR STORM LEVELS.

III. EVENT PROBABILITIES 20 JULY - 22 JULY

CLASS M 75/70/50

CLASS X 35/30/15

PROTON 40/35/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 JULY 144

PREDICTED 20-22 JULY 140/136/132

90-DAY MEAN 19 JULY 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 JULY 17

ESTIMATED AFR/AP 19 JULY 16/16

PREDICTED AFR/AP 20-22 JULY 18/20 - 18/25 - 18/20

SOLTERWARN

BT