

FUS 3 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 199

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 18 JUL 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 17/2100 TO 18/2100Z: SOLAR ACTIVITY IS LOW. SUBFLARE ACTIVITY CONTINUES INTERMITTENTLY AND THE DISK DOES NOT APPEAR CAPABLE OF PRODUCING ANYTHING LARGER AT THE PRESENT TIME. RESTRUCTURING IS OCCURRING IN SEVERAL REGIONS BUT OVERALL THE DISK REGIONS ARE SMALL AND SIMPLE. REGION 4245 (N13E06) IS THE LARGEST VISIBLE REGION AND ITS ONLY 150 MILLIONTHS IN AREA.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 17/2100Z TO 18/2100Z:

THE GEOMAGNETIC FIELD WAS AT STORM LEVELS EARLIER TODAY BUT HAS SINCE QUIETENED TO UNSETTLED LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT ACTIVE LEVELS EARLY IN THE PERIOD THEN BECOME UNSETTLED BY THE THIRD DAY.

III. EVENT PROBABILITIES 19 JUL-21 JUL

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 JUL 114

PREDICTED 19 JUL-21 JUL 114/115/115

90 DAY MEAN 18 JUL 135

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 17 JUL 023/030

ESTIMATED AFR/AP 18 JUL 020/020

PREDICTED AFR/AP 19 JUL-21 JUL 018/020-015/015-012/010

SOLTERWARN

BT