

FUS 3 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 197

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 16 JUL 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/2100 TO 16/2100Z: SOLAR ACTIVITY HAS REMAINED LOW. DESPITE THE FACT THERE ARE EIGHT REGIONS ON THE SOLAR DISK, FLARES HAVE BEEN SPARSE. ONLY MINOR CHANGES ARE OCCURRING IN THESE RELATIVELY SMALL, SIMPLY CONSTRUCTED REGIONS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 15/2100Z TO 16/2100Z: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. SUBSTORM ACTIVITY CAUSED SHORT PERIODS OF MINOR STORM CONDITIONS AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE. THE IMPACT FROM THE NEXT CORONAL HOLE IS EXPECTED TO BEGIN ON THE LATTER HALF OF 18 JULY.

III. EVENT PROBABILITIES 17 JUL-19 JUL

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 JUL 117

PREDICTED 17 JUL-19 JUL 117/117/115

90 DAY MEAN 16 JUL 135

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 15 JUL 005/009

ESTIMATED AFR/AP 16 JUL 017/015

PREDICTED AFR/AP 17 JUL-19 JUL 012/020-014/020-018/020

SOLTERWARN

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