

FUS-3 BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 202

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 21 JUL 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 20/2100 TO 21/2100Z: SOLAR ACTIVITY IS LOW. THE VISIBLE DISK REGIONS ARE SHOWING LITTLE OR NO CHANGE. REGION 4255 (NO8W01) HAS DEVELOPED DRAMATICALLY IN THE TWENTY FOUR HOURS ITS BEEN ON THE DISK BUT IS JUST NOW OBTAINING SUFFICIENT SIZE TO APPEAR IMPRESSIVE. A SMALL SINGLE SPOT HAS ROTATED ONTO THE DISK WHERE OLD 4233 SHOULD RETURN AND IS NUMBERED 4258 (S06E66).

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 20/2100Z TO 21/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO SLIGHTLY ACTIVE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC CONDITIONS ARE EXPECTED TO CONTINUE AT UNSETTLED TO ACTIVE LEVELS.

III. EVENT PROBABILITIES 22 JUL-24 JUL

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 JUL 127

PREDICTED 22 JUL-24 JUL 129/131/131

90 DAY MEAN 21 JUL 135

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 20 JUL 009/011

ESTIMATED AFR/AP 21 JUL 010/010

PREDICTED AFR/AP 22 JUL-24 JUL 010/010-012/010-010/015

SOLTERWARN

BT