

FUS 3 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 174

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 13 JUL 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100 TO 13/2100Z: SOLAR ACTIVITY HAS REMAINED LOW. THE ONE SIGNIFICANT EVENT WAS A C5/SB AT 0719Z FROM REGION 4235 (S21W81). MINOR RADIO BURSTS UP TO 4995 MHZ ACCCOMPANIED THIS FLARE. SURGING IS OCCURRING WITH REGION 4235 AS IT BEGINS TO TRANSIT WEST LIMB. OTHER DISK REGIONS REMAIN SMALL AND/OR SIMPLE IN MAGNETIC STRUCTURE. CHANGES IN THESE REGIONS HAVE BEEN MINOR. REGION 4245 (N12E73) HAS ROTATED ON TO THE DISK ACCOMPANIED BY DULL PLAGE.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z: THE GEOMAGNETIC FIELD WAS ACTIVE TO STORM LEVEL UNTIL 1500Z. IT HAS SINCE BECOME UNSETLED TO ACTIVE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE FIELD IS EXPECTED TO BE UNSETLED TO ACTIVE WITH ACTIVE CONDITIONS DOMINATING AT HIGH LATITUDES.

III. EVENT PROBABILITIES 14 JUL-16 JUL

CLASS M 15/10/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 JUL 120

PREDICTED 14 JUL-16 JUL 116/111/113

90 DAY MEAN 13 JUL 135

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 JUL 019/017

ESTIMATED AFR/AP 13 JUL 020/025

PREDICTED AFR/AP 14 JUL-16 JUL 012/025-015/025-015/020

SOLTERWARN

BT