

HFUS 3 BOU 272200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 208

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 27 JUL 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/2100Z TO 27/2100Z: SOLAR ACTIVITY HAS CONTINUED LOW DURING THIS PERIOD. THE LARGEST EVENT OBSERVED WAS A C1/SF FROM REGION 4263 (S09E80) AT 1918UT. REGION 4263 HAS CONTINUED TO PRODUCE MINOR SURGE ACTIVITY AND NOW HAS FIVE SPOTS VISIBLE. REPORTS INDICATE THAT MORE OF THE REGION IS JUST BEYOND THE EAST LIMB. NO NEW GROUPS HAVE BEEN NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO INCREASE TO NEAR MODERATE LEVELS AS REGION 4263 CONTINUES TO ROTATE INTO VIEW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 26/2100Z TO 27/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO SLIGHTLY ACTIVE DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE FIELD IS EXPECTED TO BE AT ACTIVE TO MINOR STORM LEVELS BY EARLY ON 28 JULY. THE DISTURBANCE IS EXPECTED TO CONTINUE THROUGH 29 JULY THEN RETURN TO UNSETTLED LEVELS EARLY ON 30 JULY. THIS DISTURBANCE IS FORECAST ON A FILAMENT WHICH DISAPPEARED ON 24 JULY.

III. EVENT PROBABILITIES 28 JUL-30 JUL

CLASS M 15/20/20

CLASS X 01/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 JUL 119

PREDICTED 28 JUL-30 JUL 115/119/125

90 DAY MEAN 27 JUL 134

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 26 JUL 009/013

ESTIMATED AFR/AP 27 JUL 013/015

PREDICTED AFR/AP 28 JUL-30 JUL 035/035-020/020-010/010

SOLTERWARN

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