

FUS 3 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 234

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 22 AUG 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 21/2100 TO 22/2100Z: SOLAR ACTIVITY WAS AT A LOW LEVEL THIS PERIOD. THE LARGE C2/SB EVENT FROM REGION 4288 (N14E19) AT 1235UT, REGION 4282 (N07W34) PRODUCED A C1/SF FLARE AT 1458UT. REGIONS 4288 AND 4282 HAVE REMAINED SIMPLE SMALL GROUPS DURING THIS PERIOD. NO NEW GROUPS WERE ASSIGNED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS FORECAST TO CONTINUE AT LOW LEVELS DURING THIS FORECAST PERIOD AS CURRENT DISK REGIONS SEEN INCAPABLE OF ENERGETIC ACTIVITY. RADIO SCANS SHOW NO INDICATION OF REGION 4263 (S10 L290) WHICH IS DUE TO RETURN AT 1800UT ON 23 AUG. THIS REGION PRODUCED 8 "M" CLASS EVENTS DURING ITS LAST DISK PASSAGE THE REGION WAS EXHIBITING SLIGHT DECAY AS IT APPROACHED THE WEST LIMB.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 21/2100Z TO 22/2100Z: THE GEOMAGNETIC FIELD WAS AT ACTIVE TO UNSETTLED LEVELS AT THE HIGH LATITUDE SITES WHILE THE MID-LATITUDE SITES WERE GENERALLY QUIET TO UNSETTLED. A LARGE SOUTHERN CORONAL HOLE HAS JUST PASSED CENTRAL MERIDIAN.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN AT UNSETTLED TO SLIGHTLY ACTIVE LEVELS UNTIL NEAR THE END OF THIS FORECAST PERIOD WHEN THE EFFECTS OF THE CORONAL HOLE IS EXPECTED TO INCREASE THE FIELD TO ACTIVE WITH SHORT PERIODS AT MINOR STORM LEVELS.

III. EVENT PROBABILITIES 23 AUG-25 AUG

CLASS M 20/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 AUG 109

PREDICTED 23 AUG-25 AUG 107/108/114

90 DAY MEAN 22 AUG 132

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 21 AUG 029/035

ESTIMATED AFR/AP 22 AUG 010/015

PREDICTED AFR/AP 23 AUG-25 AUG 012/015-010/015-015/010

SOLTERWARN

BT

Phil

NOT a sentence

good

