

HFUS3 BOU 312200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 244

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 31 AUG 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/2100 TO 31/2100Z: SOLAR ACTIVITY HAS CONTINUED AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. REGION 4567 (S06W13) HAS PRODUCED SEVERAL SMALL OPTICAL AND X RAY EVENTS WITH RADIO BURSTS AT 245MHZ DURING THIS PERIOD. REGION 4567 HAS INCREASED IN SIZE HOWEVER THE DELTA IS EXHIBITING SIGNS OF DECAY. REGION 4569 (N08E54) IS A SIMPLE C-TYPE GROUP AND HAS SHOWN ONLY MINOR POINT BRIGHTNINGS DURING THE PAST 12 HOURS. OLD REGION 4565 (SW15) PRODUCED THE LARGEST OBSERVED EVENT DURING THE PAST 24 HOURS A B6/BRIGHT SURGE ON LIMB AT 30/2212UT, MINOR RADIO WAS RECORDED WITH THIS EVENT.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL DURING THIS FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 30/2100Z TO 31/2100Z: THE GEOMAGNETIC FIELD WAS AT ACTIVE LEVELS FOR THE FIRST 12 HOURS AND HAS BEEN UNSETTLED FOR THE REST OF THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO CONTINUE AT GENERALLY UNSETTLED CONDITIONS DURING THE DAY LIGHT SECTORS WITH SHORT PERIODS OF ACTIVE CONDITIONS DURING THE NIGHT TIME SECTORS. THE FIELD MAY BECOME ACTIVE AT THE END OF THIS FORECAST PERIOD DUE TO A SOLAR SECTOR BOUNDARY.

III. EVENT PROBABILITIES 01 SEP-03 SEP

CLASS M 05/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 AUG 091

PREDICTED 01 SEP-03 SEP 092/093/093

90 DAY MEAN 31 AUG 091

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 30 AUG 018/023

ESTIMATED AFR/AP 31 AUG 012/014

PREDICTED AFR/AP 01 SEP-03 SEP 010/010-010/010-010/010

SOLTERWARN

BT