

HFUS3 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 239

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 26 AUG 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100 TO 26/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW THIS PERIOD.

ACTIVITY HAS INCREASED SINCE THE LAST REPORT. EVENTS INCLUDED SEVERAL C LEVEL X-RAY FLARES, NUMEROUS OPTICAL SUBFLARES AND A COUPLE OF MINOR RADIO BURSTS. REGION 4567 (S05E53) CONTRIBUTED ALL OF THE C LEVEL X-RAY FLARES, THE LARGEST BEING A C3 AT 0203 UT. THIS REGION HAS GROWN SIGNIFICANTLY IN WHITE LIGHT AND IS NOW A D TYPE SPOT GROUP. REGION 4565 (S13W35) HAS REMAINED RELATIVELY STABLE THIS PERIOD. NO NEW REGIONS WERE NUMBERED AND THE REST OF THE DISK APPEARS QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE VERY LOW TO LOW THROUGHOUT THE FORECAST PERIOD. SIGNIFICANT FLARE ACTIVITY IS POSSIBLE WITH FURTHER DEVELOPMENT IN REGION 4567.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE LEVELS, AT ALL LATITUDES, THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE AT ACTIVE LEVELS, AT ALL LATITUDES, THROUGHOUT THE FORECAST PERIOD. RECURRENT PATTERNS SHOULD BE THE CAUSE OF THE ACTIVE CONDITIONS.

III. EVENT PROBABILITIES 27 AUG-29 AUG

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 AUG 086

PREDICTED 27 AUG-29 AUG 088/090/091

90 DAY MEAN 26 AUG 092

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 AUG 019/021

ESTIMATED AFR/AP 26 AUG 016/015

PREDICTED AFR/AP 27 AUG-29 AUG 018/015-020/015-020/020

SOLTERWARN

BT