

HFUS3 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 238

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 25 AUG 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/2100 TO 25/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW THIS PERIOD. EVENTS HAVE BEEN LIMITED TO B LEVEL X-RAY FLARES, OPTICAL SUBFLARES AND MINOR RADIO BURSTS. REGION 4565 (S13W10) IS STILL THE MOST IMPRESSIVE SPOT GROUP ON THE DISK, WITH A D TYPE SPOT CLASSIFICATION. THIS REGION HAS GROWN SLIGHTLY IN WHITE LIGHT. ONE NEW REGION WAS NUMBERED THIS PERIOD, 4567 (S05E65), A C TYPE SPOT GROUP. THE REMAINDER OF THE DISK APPEARS STABLE AT THIS TIME.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE VERY LOW TO LOW THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 24/2100Z TO 25/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE LEVELS, AT ALL LATITUDES, THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE AT UNSETTLED TO ACTIVE LEVELS, AT ALL LATITUDES, THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 26 AUG-28 AUG

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 AUG 081

PREDICTED 26 AUG-28 AUG 083/084/086

90 DAY MEAN 25 AUG 092

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 AUG 015/029

ESTIMATED AFR/AP 25 AUG 016/018

PREDICTED AFR/AP 26 AUG-28 AUG 012/015-015/015-018/015

SOLTERWARN

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