

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 08/24/87 00:00:00

End : 08/24/87 23:59:00

08/24 22:00

2201

HFUS3 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 236

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 24 AUG 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/2100Z TO 24/2100Z: SOLAR ACTIVITY HAS BEEN MODERATE. REGION 4845 (N16E36) PRODUCED ONE M-CLASS FLARE AT 2348Z. IT IS NOW CLASSIFIED AS BETA-GAMMA MAGNETICALLY. THE REST OF THE DISK AND LIMBS HAVE BEEN QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. M-CLASS ACTIVITY FROM REGION 4845 IS STILL POSSIBLE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 23/2100Z TO 24/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED AT MID-LATITUDES. HIGH LATITUDES WERE GENERALLY ACTIVE WITH AN INTERVAL OF MINOR STORM CONDITIONS. A SUDDEN IMPULSE OF 40 GAMMAS (0935Z) WAS OBSERVED AT BOULDER.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED AT MID-LATITUDES. HIGH LATITUDES EXPECT ACTIVE TO MINOR STORM CONDITIONS THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 25 AUG-27 AUG

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 AUG 088

PREDICTED 25 AUG-27 AUG 086/085/084

90 DAY MEAN 24 AUG 084

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 23 AUG 010/021

ESTIMATED AFR/AP 24 AUG 013/021

PREDICTED AFR/AP 25 AUG-27 AUG 010/025-010/030-010/020

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