

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 08/21/87 00:00:00

End : 08/21/87 23:59:00

08/21 22:00

2201

HFUS3 BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 233

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 21 AUG 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 20/2100Z TO 21/2100Z: SOLAR ACTIVITY REMAINS VERY LOW. REGION 4841 (S31W46) CONTINUED TO GENERATE ISOLATED SUBFLARES, THE LARGEST BEING A C2/ON ATTAINING MAXIMUM AT 0605Z. NEWLY NUMBERED REGION 4845 (N16E75) ROTATED ONTO THE DISK AS A SINGLE MATURE SUNSPOT. IT MOST LIKELY IS THE RETURN OF OLD REGION 4834 WHICH PRODUCED BUT ONE SUBFLARE LAST ROTATION.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 20/2100Z TO 21/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED AT MID-LATITUDES. UNSETTLED TO ACTIVE CONDITIONS HAVE PREVAILED AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE. AN INCREASE IN ACTIVITY IS POSSIBLE 24 AUG. DUE TO DISAPPEARING FILAMENTS ON 20 AUG.

III. EVENT PROBABILITIES 22 AUG-24 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 AUG 094

PREDICTED 22 AUG-24 AUG 092/090/088

90 DAY MEAN 21 AUG 084

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 20 AUG 007/016

ESTIMATED AFR/AP 21 AUG 007/014

PREDICTED AFR/AP 22 AUG-24 AUG 010/015-010/018-015/020

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