

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 08/28/87 00:00:00

End : 08/28/87 23:59:00

08/28 22:00

2201

HFUS3 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 240

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 28 AUG 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100Z TO 28/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4845 (N16W16) WAS QUIET AND STABLE. A NEW REGION 4847 (S23E59) ROTATED INTO VIEW AS A SIMPLE AXI SUNSPOT GROUP. THE LOCATION CORRESPONDS TO OLD REGION 4835 WHICH PRODUCED M-LEVEL ACTIVITY ON ITS LAST ROTATION.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4847 IS CONSIDERABLY LESS IMPRESSIVE THAN 4835 WAS ON THE LAST ROTATION AND IS NOT EXPECTED TO PRODUCE ANY SIGNIFICANT ACTIVITY FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 27/2100Z TO 28/2100Z: THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED AT MID-LATITUDES AND UNSETTLED TO ACTIVE WITH A BRIEF PERIOD OF MINOR STORM CONDITIONS LATE IN THE DAY AT HIGH-LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED ON 29 AUGUST, BECOMING ACTIVE ON 30 AUGUST, AND GENERALLY UNSETTLED AGAIN ON 31 AUGUST.

THE INCREASE IS EXPECTED FROM EFFECTS OF A RECURRENT CORONAL HOLE.

III. EVENT PROBABILITIES 29 AUG-31 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 AUG 080

PREDICTED 29 AUG-31 AUG 081/082/083

90 DAY MEAN 28 AUG 084

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 AUG 023/039

ESTIMATED AFR/AP 28 AUG 010/015

PREDICTED AFR/AP 29 AUG-31 AUG 005/010-016/020-010/015

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