

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 09/29/87 00:00:00

End : 09/29/87 23:59:00

09/29 22:00

2200

HFUS3 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 272

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 29 SEP 1987

I. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 28/2100Z TO 29/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. NEWLY NUMBERED REGION 4860 (N30E69) APPEARS TO BE A CAO SPOT GROUP AND HAS EXHIBITED MINOR FLARE ACTIVITY DURING THE PAST 24 HOURS. REGION 4859 (S24E58), A BXO SPOT GROUP, SHOWED MINOR FLUCTUATIONS IN PLAGE INTENSITY AND WAS RESPONSIBLE FOR THE LARGEST FLARE OBSERVED DURING THE SUMMARY PERIOD - A B8/SF FLARE OCCURRING AT 1804 UT.

II. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW THROUGHOUT THE FORECAST PERIOD. REGIONS 4859 AND 4860 ARE EXPECTED TO INCREASE IN ACTIVITY DURING THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 28/2100Z TO 29/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT UNSETTLED TO ACTIVE LEVELS FOR THE PAST 24 HOURS. MINOR STORM CONDITIONS WERE OBSERVED AT HIGH LATITUDES THROUGHOUT THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED AT MID-LATITUDES THROUGHOUT THE FORECAST PERIOD. ACTIVE CONDITIONS ARE EXPECTED AT HIGH LATITUDES ON 30 SEP AND 02 OCT WITH PREDOMINATELY UNSETTLED CONDITIONS OCCURRING ON 01 OCT.

III. EVENT PROBABILITIES 30 SEP-02 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 SEP 083

PREDICTED 30 SEP-02 OCT 086/089/091

90 DAY MEAN 29 SEP 087

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 28 SEP N-A/031

ESTIMATED AFR/AP 29 SEP 020/033

PREDICTED AFR/AP 30 SEP-02 OCT 015/025-010/015-010/018

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