

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 09/08/87 00:00:00

End : 09/08/87 23:59:00

09/08 22:00

2246

HFUSS BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 251

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 08 SEP 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100Z TO 08/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4849 (S22W19) GREW EARLY IN THE PERIOD IN THE TRAILER AREA AND DEVELOPED A BETA-GAMMA-DELTA MAGNETIC CONFIGURATION. NONETHELESS IN SPITE OF THE REGION'S SIZE AND COMPLEXITY IT PRODUCED ONLY SUBFLARE LEVEL ACTIVITY DURING HFUSS BOU 082200 RTD FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO SDF NUMBER 251

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IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO MODERATE. REGION 4849 CONTINUES TO BE A LIKELY SOURCE FOR M-FLARES AND COULD POSSIBLY PRODUCE X-FLARES DURING THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED AT MID-LATITUDES AND GENERALLY UNSETTLED TO ACTIVE AT HIGH LATITUDES. A VERY BRIEF PERIOD OF MINOR STORM CONDITIONS WAS REPORTED AT SOME HIGH LATITUDE STATIONS FROM 0130Z TO 0300Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY ACTIVE AT MID-LATITUDES AND AT ACTIVE TO MINOR STORM LEVELS AT HIGH LATITUDES FOR THE NEXT THREE DAYS. THE FORECAST IS BASED PRIMARILY ON RECURRENCE.

III. EVENT PROBABILITIES 09 SEP-11 SEP

CLASS M 30/30/30

CLASS X 05/05/05

PROTON 05/05/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 SEP 101

PREDICTED 09 SEP-11 SEP 103/103/103

90 DAY MEAN 08 SEP 086

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 SEP 009/017

ESTIMATED AFR/AP 08 SEP 010/020

PREDICTED AFR/AP 09 SEP-11 SEP 020/035-016/030-016/030

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09/08 22:00

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HFUS3 BOU 082200 COR

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

|||||CORRECTED COPY|||||

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