

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 09/04/87 00:00:00

End: 09/04/87 23:59:00

09/04 22:00

2217

HFUS3 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 247

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 04 SEP 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 03/2100Z

TO 04/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. ONLY WEAK C-CLASS X-RAY EVENTS AND OPTICAL SUBFLARES HAVE BEEN OBSERVED. REGION 4849 (S22E32) ANALYSIS INDICATES THE REGION HAS POTENTIAL FOR ENERGETIC EVENTS, BUT AS YET HAS NOT PRODUCED ANY.

IB. SOLAR ACTIVITY FORECAST: SOLHFUS3 BOU 042200 RTD

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IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE

VERY LOW TO LOW FOR THE NEXT THREE DAYS. REGION 4849 IS AN EAI/BETA SPOT GROUP. THIS CLASS OF REGION HAS SHOWN TO BE CAPABLE OF MODERATE TO STRONG ACTIVITY IN THE PAST. THUS FAR IT HAS NOT LIVED UP TO POTENTIAL, BUT BELIEF EXISTS THAT AS THE REGION BEGINS TO DECAY THAT ACTIVITY WILL TURN UPWARD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 03/2100Z TO 04/2100Z:

THE GEOMAGNETIC FIELD HAS BEEN AT MOSTLY QUIET LEVELS FOR THE PAST 24 HOURS. BRIEF UNSETTLED CONDITIONS OCCURRED AT MID LATITUDES AND HIGH LATITUDE STATIONS WERE UNSETTLED TO ACTIVE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS

EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE FIRST TWO DAYS OF THE FORECAST PERIOD. THE THIRD DAY IS EXPECTED TO BE AT UNSETTLED LEVELS.

III. EVENT PROBABILITIES 05 SEP-07 SEP

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 SEP 088

PREDICTED 05 SEP-07 SEP 090/092/090

90 DAY MEAN 04 SEP 085

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 03 SEP 004/009

ESTIMATED AFR/AP 04 SEP 010/014

PREDICTED AFR/AP 05 SEP-07 SEP 015/020-015/020-010/015

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09/04 22:30

2228

HFUS3 BOU 042230 COR

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 247

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