

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 08/26/87 00:00:00

End : 08/26/87 23:59:00

08/26 22:00

2226

HFUS3 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 238

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 26 AUG 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100Z

TO 26/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4845

(N09E10) PRODUCED A C2/1B FLARE AT 0053UT AND HAS DECAYED

CONSIDERABLY SINCE THEN. REGION 4846 (N18W75) CONTINUED TO

GROW, DEVELOPING PENUMBRA ON LEADER AND TRAILER SPOTS. NO

FLARES WERE OBSERVED TO OCCUR IN THIS RHFUS3 BOU 262200 RTD

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GROW, DEVELOPING PENUMBRA ON LEADER AND TRAILER SPOTS. NO

FLARES WERE OBSERVED TO OCCUR IN THIS REGION DURING THE PERIOD.

THE REMAINDER OF THE SOLAR DISK WAS SPOTLESS.

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

VERY LOW. FLARE ACTIVITY IS EXPECTED TO BE REDUCED DURING THE

NEXT THREE DAYS: ANY FLARES THAT DO OCCUR ARE EXPECTED TO BE

FROM REGION 4846.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z:

THE GEOMAGNETIC FIELD RANGED FROM UNSETTLED TO MAJOR STORM

LEVELS. GEOMAGNETIC STORM CONDITIONS PREVAILED EARLY IN THE

PERIOD AND WERE PARTICULARLY INTENSE FROM 0000-0600UT.

THE FIELD BECAME UNSETTLED TO ACTIVE AFTER ABOUT 26/1500UT.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS

EXPECTED TO BE AT ACTIVE TO MINOR STORM CONDITIONS FOR 27

AUGUST WITH SUBSTORMING EXPECTED IN THE LOCAL NIGHTTIME SECTORS.

GEOMAGNETIC CONDITIONS ARE EXPECTED TO BECOME UNSETTLED TO

ACTIVE FOR 28 AUGUST AND QUIET TO UNSETTLED FOR 29 AUGUST.

III. EVENT PROBABILITIES 27 AUG-29 AUG

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 AUG 086

PREDICTED 27 AUG-29 AUG 088/086/087

90 DAY MEAN 26 AUG 084

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 AUG 034/058

ESTIMATED AFR/AP 26 AUG 040/090

PREDICTED AFR/AP 27 AUG-29 AUG 030/035-014/017-007/012