

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/26/87 00:00:00

End : 10/26/87 23:59:00

10/26 22:00

2228

HFUS3 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 299

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 26 OCT 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100Z TO 26/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4875 (N31E51) STABILIZED DURING THE PERIOD AND REMAINS A CLASS E GROUP. NEW REGION 4878 (S20E65) APPEARED AT THE LIMB AS A DIFFUSE PLAGE WITH A SMALL SPOT. THIS REGION DID PRODUCE A LONG DURATION C1/SF AT 26/1209UT WHICH WAS AHFUS3 BOU 262200 RTD FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO SDF NUMBER 299

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IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE VERY LOW. REGION 4875 IS CAPABLE OF PRODUCING A SMALL CLASS M FLARE BUT THAT LIKELIHOOD IS DECREASING AS THE REGION BEGINS A DECAY PHASE. FROM LIMITED DATA, REGION 4878 DOES NOT APPEAR TO BE CAPABLE OF SUSTAINED SMALL OR MEDIUM FLARE PRODUCTION.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z: THE GEOMAGNETIC FIELD AT MID LATITUDES WAS UNSETTLED AND UNSETTLED TO ACTIVE AT HIGH LATITUDES. NEAR MINOR STORM CONDITIONS OCCURRED AT HIGH LATITUDES NEAR 1200UT.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD CONTINUE UNSETTLED AT MIDDLE LATITUDES. HIGHER LATITUDES SHOULD EXPERIENCE ACTIVE CONDITIONS WITH MINOR STORM LEVELS INTERSPERSED DURING LOCAL NIGHTTIME.

III. EVENT PROBABILITIES 27 OCT-29 OCT

CLASS M 15/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 OCT 098

PREDICTED 27 OCT-29 OCT 099/100/102

90 DAY MEAN 26 OCT 091

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 OCT 018/043

ESTIMATED AFR/AP 26 OCT 010/020

PREDICTED AFR/AP 27 OCT-29 OCT 012/024-010/018-007/015

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HFUS3 BOU 262200 COR  
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