

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 12/27/87 00:00:00

End : 12/27/87 23:59:00

12/27 22:00

2207

HFUS3 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 361

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 27 DEC 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/2100Z TO 27/2100Z: SOLAR ACTIVITY HAS BEEN LOW. REGION 4912 (S34E50) IS NOW THE ONLY SPOTTED REGION ON THE DISK. IT CONSISTS OF APPROXIMATELY 20 SPOTS AND BRIGHT, COMPACT PLAGE. MAGNETICALLY IT IS ESSENTIALLY A BIPOLE BUT THERE IS A MIXTURE OF POLARITIES IN THE TRAILER SPOTS. HXUS BOU 272205

AFRED 00528 00529 00530

TENCM 10628 10829 11030

AFAPF 01028 01029 01230

PREDM 07028 07029 07030

PREDX 01028 01029 01030

PREDP 00128 00129 00130

PCAFT 00101

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12/27 22:00

2211

HFUS3 BOU 272200 RTD

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

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IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE. REGION 4912 IS LIKELY TO GENERATE M-CLASS ACTIVITY DURING THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 26/2100Z TO 27/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT QUIET LEVELS AT ALL LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED THROUGH 30 DEC.

1. EVENT PROBABILITIES 28 DEC-30 DEC

CLASS M 70/70/70

CLASS X 10/10/10
PROTON 01/01/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 DEC 105

PREDICTED 28 DEC-30 DEC 106/108/110

90 DAY MEAN 27 DEC 098

GEOMAGNETIC A INDICES

OBSERVED AFR/AP 26 DEC 003/006

ESTIMATED AFR/AP 27 DEC 001/005

PREDICTED AFR/AP 28 DEC-30 DEC 005/010-005/010-005/012

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