

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 07/29/87 00:00:00

End : 07/29/87 23:59:00

07/29 22:00

2201

HFUS3 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 210

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 29 JUL 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 28/2100Z TO 29/2100Z: SOLAR ACTIVITY WAS VERY LOW. TWO NEW REGIONS EMERGED TODAY: REGION 4832 (S30W29) AND REGION 4833 (N22W07). BOTH ARE SIMPLE BIPOLES BUT ARE INTERESTING IN THAT EACH IS SITUATED NEAR AN ALREADY MATURE SPOT GROUP. REGION 4827 (S24W39) AND REGION 4831 (N29E01) HAVE BEEN QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. JUST ISOLATED SUBFLARES ARE ANTICIPATED.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 28/2100Z TO 29/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT MINOR TO MAJOR STORM LEVELS. THIS DISTURBANCE, WHICH BEGAN WITH A SUDDEN COMMENCEMENT AT 28/0852Z, IS ABATING AT THIS TIME. IT WAS MOST LIKELY SPAWNED BY A LONG-DURATION X-RAY EVENT ON 24 JULY.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE EARLY IN THE PERIOD. THE DISTURBANCE SHOULD TAPER OFF AND QUIET TO UNSETTLED CONDITIONS SHOULD BE IN EVIDENCE 01 AUGUST.

III. EVENT PROBABILITIES 30 JUL-01 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 JUL 094

PREDICTED 30 JUL-01 AUG 091/088/086

90 DAY MEAN 29 JUL 083

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 28 JUL 024/027

ESTIMATED AFR/AP 29 JUL 040/065

PREDICTED AFR/AP 30 JUL-01 AUG 015/020-010/015-005/012

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07/29 22:00

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HFUS3 BOU 292200 RTD

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