

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 09/28/87 00:00:00

End : 09/28/87 23:59:00

09/28 22:00

2217

HFUS3 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 271

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 28 SEP 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100Z TO 28/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. PRESENT NUMBERED REGIONS HAVE BEEN RELATIVELY QUIET WITH ONLY SMALL SUBFLARES OBSERVED. REGION 4859 (S20E66) IS ONLY ONE SMALL SPOT IN WHITE LIGHT AND DOES NOT APPEAR OVERLY THREATENING. MORE OF THIS REGION, OR POSSIBLY ANOTHER, IS STILL ROUNDING THE EAST LIMB.

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IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN VERY LOW. ONLY SUBFLARES ARE EXPECTED FROM THE REGIONS PRESENTLY ON THE DISK.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 27/2100Z TO 28/2100Z: THE GEOMAGNETIC FIELD AT MIDDLE LATITUDES HAS BEEN AT QUIET TO ACTIVE LEVELS FOR THE PAST 24 HOURS. THE HIGH LATITUDE FIELD HAS BEEN AT UNSETTLED TO MAJOR STORM LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED FOR THE NEXT THREE DAYS. ACTIVE CONDITIONS ARE POSSIBLE AT HIGH LATITUDES ON 29 SEPTEMBER.

III. EVENT PROBABILITIES 29 SEP-01 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 SEP 082

PREDICTED 29 SEP-01 OCT 084/086/088

90 DAY MEAN 28 SEP 087

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 SEP 010/015

ESTIMATED AFR/AP 28 SEP 018/028

PREDICTED AFR/AP 29 SEP-01 OCT 010/020-010/015-010/013

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07/28 22:00

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HFUSS BOU 282200 COR
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 271

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