

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 09/27/87 00:00:00

End : 09/27/87 23:59:00

09/27 22:00

2202

HFUS3 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 270

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 27 SEP 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/2100Z TO 27/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4856

(S27W69) BEGAN TO EMERGE OVER THE PAST 24 HOURS, DEVELOPING SPOTS FOR THE FIRST TIME SINCE IT APPEARED ON THE DISK. THE REGION IS A SMALL BIPOLAR GROUP IN WHITE LIGHT. NEW REGION 4859 (S20E90) IS ROTATING AROUND THE EAST LIMB NEAR THE POSITION OF OLD REGION 4849. THIS REGION HAS PRODUCED ONE SMALL SUBFLARE AND ASSOCIATED B-CLASS X-RAY EVENT WHILE STILL ON THE LIMB. NO SPOTS ARE YET VISIBLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4856 IS EXPECTED TO PRODUCE ISOLATED SUBFLARE ACTIVITY AS IT NEARS THE WEST LIMB. ADDITIONAL SUBFLARES ARE ALSO POSSIBLE FROM REGION 4859 AS IT ROTATES INTO VIEW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 26/2100Z TO 27/2100Z:

THE GEOMAGNETIC FIELD AT MIDDLE LATITUDES HAS BEEN AT MOSTLY QUIET LEVELS FOR THE PAST 24 HOURS. THE HIGH LATITUDE FIELD HAS BEEN MOSTLY UNSETTLED WITH PERIODS OF ACTIVE CONDITIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS

EXPECTED TO BE GENERALLY UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 28 SEP-30 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 SEP 080

PREDICTED 28 SEP-30 SEP 082/084/084

90 DAY MEAN 27 SEP 087

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 26 SEP 017/040

ESTIMATED AFR/AP 27 SEP 010/016

PREDICTED AFR/AP 28 SEP-30 SEP 010/015-010/015-010/015

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