

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 09/13/87 00:00:00

End : 09/13/87 23:59:00

09/13 22:00

2201

HFUS3 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 256

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 13 SEP 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100Z TO 13/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4849 (S23W83) CONTINUED TO SLOWLY DECAY. IT PRODUCED BRIGHT SURGING WITH SMALL B-LEVEL X-RAY EVENTS. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4849 PROVIDES A VERY SLIGHT CHANCE OF MODERATE ACTIVITY. IT IS EXPECTED TO CONTINUE TO DECAY VERY SLOWLY AS IT CROSSES THE WEST LIMB.

IIA) GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY ACTIVE TO UNSETTLED.

BRIEF MAJOR TO OCCASIONAL MINOR STORM CONDITIONS OCCURRED AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE TO UNSETTLED THE FIRST ONE-HALF OF THE PERIOD. INTERMITTENT STORM CONDITIONS ARE POSSIBLE AT HIGH LATITUDES AS THE RESTABILIZATION CONTINUES. SOME BRIEF PULSES ARE ALSO POSSIBLE DUE TO THE HYDER-FLARE OF 11/1855Z. THE LAST ONE-HALF OF THE PERIOD IS EXPECTED TO BE UNSETTLED TO QUIET.

I. EVENT PROBABILITIES 14 SEP-16 SEP

CLASS M 05/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 SEP .089

PREDICTED 14 SEP-16 SEP 088/087/086

90 DAY MEAN 13 SEP .087

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 SEP 019/035

ESTIMATED AFR/AP 13 SEP 014/027

PREDICTED AFR/AP 14 SEP-16 SEP 008/023-008/020-007/020

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