

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 05/13/87 00:00:00

End : 05/13/87 23:59:00

05/13 22:00

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HFUS3 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 133

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 13 MAY 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100Z TO 13/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. BOTH SPOTTED REGIONS ON THE DISK - 4806 (S31W31) AND 4809 (N27W34) - HAVE BEEN STABLE AND QUIET. THERE IS A LARGE QUIESCENT PROMINENCE NEAR S43 AT EAST LIMB.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW THROUGHOUT THE PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z: THE GEOMAGNETIC FIELD HAS BEEN PREDOMINANTLY QUIET TO UNSETTLED. HIGH LATITUDE SITES OBSERVED ONE EPISODE OF ACTIVE CONDITIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE EARLY IN THE PERIOD AS A RESULT OF A DISAPPEARING FILAMENT ON 10 MAY. QUIET TO UNSETTLED CONDITIONS WILL CHARACTERIZE THE REMAINDER OF THE INTERVAL.

III. EVENT PROBABILITIES 14 MAY-16 MAY

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

AF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 MAY 086

PREDICTED 14 MAY-16 MAY 085/084/082

90 DAY MEAN 13 MAY 079

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 MAY 002/006

ESTIMATED AFR/AP 13 MAY 007/011

PREDICTED AFR/AP 14 MAY-16 MAY 010/017-005/012-005/010

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