

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 05/14/87 00:00:00

End : 05/14/87 23:59:00

05/14 22:00

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HFUS3 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 134

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 14 MAY 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/2100Z TO 14/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE EAST LIMB WAS MOST INTERESTING IN THE PAST 24 HOURS HOWEVER. TWO NEWLY ASSIGNED REGIONS - 4810 (S25E82) AND 4811 (N27E84) - ROTATED INTO VIEW. FREQUENT SURGING AND AN INCREASE IN BOTH X-RAY AND 10 CM. BACKGROUND LEVELS ACCOMPANIED THEIR ARRIVAL. THESE SEEM TO BE THE RETURN OF OLD REGIONS 4795 AND 4794, RESPECTIVELY. NEITHER OF THESE OLD REGIONS PRODUCED FLARE ACTIVITY IN THEIR LIFETIMES. WEST LIMB AND THE DISK HAVE BEEN QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. LIMB PROXIMITY MAKES ASSESSMENT OF THE FLARE POTENTIAL OF THE NEW REGIONS DIFFICULT AT THIS TIME.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 13/2100Z TO 14/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE, POSSIBLY DUE TO THE FILAMENT DISAPPEARANCE OF 10 MAY.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT QUIET TO UNSETTLED LEVELS FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 15 MAY-17 MAY

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 MAY 089

PREDICTED 15 MAY-17 MAY 089/089/088

90 DAY MEAN 14 MAY 079

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 MAY 007/010

ESTIMATED AFR/AP 14 MAY 010/017

PREDICTED AFR/AP 15 MAY-17 MAY 005/013-005/010-005/010

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