

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 06/24/87 00:00:00

End : 06/24/87 23:59:00

06/24 22:00

32

HFUS3 BDU 242200 RTD

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 175

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 24 JUN 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/2100Z TO 24/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 24 HOURS. REGION 4819 (N19W15) CONTINUED TO PRODUCE SUBFLARES AND B-LEVEL X-RAY EVENTS, HOWEVER, NO ENERGETIC EVENTS OCCURRED AND THE REGION APPEARS TO BE DECAYING SLIGHTLY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 23/2100Z TO 24/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED DURING THE PAST 24 HOURS. THERE WAS ONE BRIEF PERIOD OF ACTIVE CONDITIONS OBSERVED AT HIGH LATITUDE STATIONS LATE IN THE FORECAST PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT ACTIVE TO MINOR STORM LEVELS ON 25 JUNE, UNSETTLED TO ACTIVE ON 26 JUNE, AND QUIET TO UNSETTLED ON 27 JUNE. THE ACTIVE TO MINOR STORM CONDITIONS ARE EXPECTED AS A RESULT OF THE DISAPPEARING FILAMENT DISCUSSED IN YESTERDAYS FORECAST.

I. EVENT PROBABILITIES 25 JUN-27 JUN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 JUN 086

PREDICTED 25 JUN-27 JUN 086/085/085

90 DAY MEAN 24 JUN 084

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 23 JUN 003/009

ESTIMATED AFR/AP 24 JUN 010/012

PREDICTED AFR/AP 25 JUN-27 JUN 025/030-010/018-005/015

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