

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 05/31/87 00:00:00

End : 05/31/87 23:59:00

05/31 22:00

2201

HFUS3 BOU 312200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 151

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 31 MAY 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/2100Z TO 31/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 24 HOURS. REGION 4812 (N22W44) HAS CONTINUED TO DECREASE IN SPOTS AND AREA. THE REMAINDER OF THE DISK AND LIMBS ARE QUIET AND STABLE.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 30/2100Z TO 31/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED AT MID LATITUDES. HIGH LATITUDE STATIONS OBSERVED MOSTLY ACTIVE CONDITIONS DURING THE PAST 24 HOURS WITH BRIEF PERIODS OF DECREASES IN ACTIVITY TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE ON 01 JUN AND UNSETTLED ON 02-03 JUN. THE FORECAST OF ACTIVE CONDITIONS ON DAY ONE OF THE PERIOD IS DUE MAINLY TO AN SMM RECORDED CORONAL MASS EJECTION IN ASSOCIATION WITH A LONG DURATION C-CLASS X-RAY EVENT THAT OCCURRED AT APPROXIMATELY 2100 UT ON 29 MAY.

III. EVENT PROBABILITIES 01 JUN-03 JUN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 MAY 075

PREDICTED 01 JUN-03 JUN 075/075/076

70 DAY MEAN 31 MAY 083

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 30 MAY 011/016

ESTIMATED AFR/AP 31 MAY 013/017

PREDICTED AFR/AP 01 MAY-03 JUN 018/020-010/012-010/011

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