

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 05/22/86 00:00:00

End : 05/22/86 23:59:00

05/22 22:00

2130

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FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 142

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 22 MAY 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 21/2100 TO 22/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4731 (N07E23) PRODUCED A SINGLE SUB-FLARE (OF/B2) EARLY IN THE PERIOD. IT DECAYED SLIGHTLY IN MOST ASPECTS, BUT CONTINUED ENHANCEMENTS AND INTENSITY FLUCTUATIONS. TWO SMALL FILAMENTS HAD DISAPPEARED BY 2020Z ON 21 MAY: A SIX DEGREE LONG SEGMENT FROM N07E29 AND A FOUR DEGREE LONG SEGMENT FROM N00E30. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4731 CONTINUES TO PROVIDE A VERY SLIGHT CHANCE OF MODERATE (M-LEVEL X-RAY) ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 21/2100Z TO 22/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO QUIET.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED. IT WILL RANGE FROM ACTIVE CONDITIONS AT HIGH LATITUDES, TO QUIET CONDITIONS AT MID-LATITUDES.

III. EVENT PROBABILITIES 23 MAY-25 MAY

CLASS M 03/03/03

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 MAY 077

PREDICTED 23 MAY-25 MAY 077/078/077

90 DAY MEAN 22 MAY 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 21 MAY 008/013

ESTIMATED AFR/AP 22 MAY 005/008

PREDICTED AFR/AP 23 MAY-25 MAY 009/020-007/015-009/010

SOLTERWARN

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