

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 05/26/87 00:00:00

End : 05/26/87 23:59:00

05/26 22:00

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HFUSS BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 146

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 26 MAY 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100Z TO 26/2100Z: SOLAR ACTIVITY HAS BEEN LOW. REGION 4811

(N28W68) CONTINUED TO PRODUCE C-CLASS FLARES OVER THE PAST 24

HOURS. THE LARGEST WAS A C8/1N MAXING AT 26/1951UT. THIS

REGION HAS SHOWN SIGNS OF SIMPLIFICATION OVER THE PAST DAY.

REMAINING DISK REGIONS HAVE BEEN QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW. REGION 4811 IS EXPECTED TO CONTINUE PRODUCING C-CLASS ACTIVITY AS IT NEARS THE WEST LIMB. AN ISOLATED M-CLASS FLARE IS POSSIBLE BEFORE THIS REGION DEPARTS THE DISK.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED AT MIDDLE LATITUDES. THE HIGH LATITUDE FIELD WAS GENERALLY ACTIVE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED AT MIDDLE LATITUDES AND UNSETTLED TO ACTIVE AT HIGH LATITUDES FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 27 MAY-29 MAY

CLASS M 20/20/01

CLASS X 01/01/01

PROTON 01/01/01

NEAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 MAY 090

PREDICTED 27 MAY-29 MAY 086/082/078

90 DAY MEAN 26 MAY 082

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 MAY 022/040

ESTIMATED AFR/AP 26 MAY 008/016

PREDICTED AFR/AP 27 MAY-29 MAY 007/015-010/015-007/012

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