

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 05/18/87 00:00:00

End : 05/18/87 23:59:00

05/18 22:00

2200

HFUS3 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 138

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 18 MAY 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 17/2100Z TO 18/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4811 (N30E35) REMAINED FAIRLY STABLE AND PRODUCED ONLY OCCASIONAL POINT BRIGHTENINGS AND A SUBFLARE DURING THE PERIOD. REGIONS 4809 (N27W90) AND 4806 (S31W90) ROTATED QUIETLY OFF THE DISK. THE OTHER REGIONS, 4808 (S19W64) AND 4810 (S24E28), WERE QUIET AND DECLINING. THE RADIO SUN CONTINUED TO PRODUCE NUMEROUS BURSTS AND TYPE III/TYP E V SWEEPS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. THERE REMAINS A GOOD CHANCE FOR C-FLARE ACTIVITY, AND REGION 4811 CONTINUES TO BE CAPABLE OF PRODUCING AN M-FLARE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 17/2100Z TO 18/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET AT MID-LATITUDES AND QUIET TO UNSETTLED AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 19 MAY-21 MAY

CLASS M 10/10/10

CLASS X 01/01/01

OTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 MAY 096

PREDICTED 19 MAY-21 MAY 095/097/095

90 DAY MEAN 18 MAY 080

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 17 MAY 003/007

ESTIMATED AFR/AP 18 MAY 003/007

PREDICTED AFR/AP 19 MAY-21 MAY 007/012-007/012-010/013

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