

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 05/15/87 00:00:00

End : 05/15/87 23:59:00

05/15 22:00

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HFUS3 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 135

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 15 MAY 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 14/2100Z TO 15/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4811 (N29E72) HAS BEEN THE CENTER OF ACTIVITY DURING THE INTERVAL. IT IS PROBABLY THE SOURCE OF TWO C-1 X-RAY FLARES DETECTED AT APPROXIMATELY 0030 AND 1020Z. WEATHER CONDITIONS PREVENTED ANY VISUAL RECORD OF THESE EVENTS. REGION 4810 (S25E64), CONSISTING OF FIVE SPOTS AND COMPACT PLAGUE, HAS BEEN STABLE. REGION 4806 (S31W56) CONTINUES ITS QUIET DECAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4811 IS STILL DIFFICULT TO ANALYZE DUE TO ITS CURRENT LOCATION, BUT SEEMS CAPABLE OF CONTINUED C-CLASS ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 14/2100Z TO 15/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED.

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

III. EVENT PROBABILITIES 16 MAY-18 MAY

CLASS M 05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 MAY .092

PREDICTED 16 MAY-18 MAY 092/093/094

90 DAY MEAN 15 MAY .079

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 14 MAY .009/.015

ESTIMATED AFR/AP 15 MAY .005/.011

PREDICTED AFR/AP 16 MAY-18 MAY .005/.010-.005/.010

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