

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 05/16/87 00:00:00

End : 05/16/87 23:59:00

05/16 22:00

2202

HFUS3 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 136

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 16 MAY 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/2100Z TO 16/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGIONS 4810 (S24E52) AND 4811 (N29E59) HAVE BOTH PRODUCED C-CLASS ACTIVITY DURING THE PERIOD. REGION 4808 (S20W37) RECOUPED ITS SPOTS AND HAS GROWN RAPIDLY IN WHITE-LIGHT AND H-ALPHA. IT HAS GENERATED A NUMBER OF SMALL FLARES IN THE PAST EIGHT HOURS. A NOISE STORM AT 245 MHZ CONTINUED THROUGHOUT THE DAY, AND FREQUENT TYPE III AND V RADIO SWEEP ACTIVITY WAS REPORTED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW, ALTHOUGH AN INCREASE IS QUITE POSSIBLE. C-CLASS FLARES SHOULD CONTINUE AND M-CLASS THRESHOLDS MAY BE REACHED. REGION 4811 IS A DYNAMIC SPOT GROUP WITH THE POTENTIAL FOR ENERGETIC ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 15/2100Z TO 16/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN AT QUIET TO UNSETTLED LEVELS THROUGH 19 MAY.

III. EVENT PROBABILITIES 17 MAY-19 MAY

CLASS M 20/20/20

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 MAY 096

PREDICTED 17 MAY-19 MAY 100/102/102

90 DAY MEAN 16 MAY 080

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 15 MAY 005/008

ESTIMATED AFR/AP 16 MAY 005/009

PREDICTED AFR/AP 17 MAY-19 MAY 005/010-005/010-005/012

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