

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 08/05/87 00:00:00

End : 08/05/87 23:59:00

08/05 22:00

2201

HFUS3 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 217

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 05 AUG 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/2100Z TO 05/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. ONLY A FEW SMALL B-CLASS X-RAY FLARES OCCURRED DURING THE PREVIOUS 24 HOURS. REGION 4834 (N17W73) CONTINUES A SLOW DECAY AND REGION 4835 (S23E07) HAS GROWN ONLY SLIGHTLY DURING THE PAST DAY. REMAINING REGIONS HAVE BEEN QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. NO SIGNIFICANT REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 04/2100Z TO 05/2100Z: THE GEOMAGNETIC FIELD AT MIDDLE LATITUDES HAS BEEN MOSTLY QUIET TO UNSETTLED FOR THE PAST 24 HOURS. AN ISOLATED PERIOD OF ACTIVE TO MINOR STORM CONDITIONS (BOULDER K-5) OCCURRED DURING THE 03-06UT PERIOD. THE HIGH LATITUDE FIELD HAS BEEN MOSTLY ACTIVE. MINOR STORM CONDITIONS WERE EXPERIENCED DURING THE 09-12UT PERIOD WITH MAJOR STORM CONDITIONS OCCURRING OVER THE NINETY MINUTE PERIOD ENDING AT 0430UT.

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

III. EVENT PROBABILITIES 06 AUG-08 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 AUG 079

PREDICTED 06 AUG-08 AUG 078/075/075

90 DAY MEAN 05 AUG 084

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 04 AUG 007/013

ESTIMATED AFR/AP 05 AUG 015/027

PREDICTED AFR/AP 06 AUG-08 AUG 010/015-010/015-010/012

NNNN

<003>