

BESC Solar Summary and Forecast - For Joe Hirman

Begin: 11/05/87 00:00:00

End : 11/05/87 23:59:00

11/05 22:00

2204

HFUS3 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 309

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 05 NOV 1987

1A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/2100Z TO 05/2100Z: SOLAR ACTIVITY WAS MODERATE. REGION 4875 (N28W85) PRODUCED TWO SIGNIFICANT FLARES: AN M1/OF AT 04/2331Z, AND AN M3/OF AT 05/0503Z. BOTH EVENTS INCLUDED TYPE II SWEEP AND MODEST RADIO BURSTS AT DISCRETE FREQUENCIES. A LOOP PROMINENCE SYSTEM IS NOW VISIBLE AT WEST LIMB IN THE SAME VICINITY. LIMB PROXIMITY MAKES ACCURATE ANALYSIS OF THE REGION

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1B. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE GENERALLY VERY LOW. THE LIKELIHOOD OF M-CLASS ACTIVITY WILL DECREASE AS REGION 4875 DEPARTS THE DISK. C-CLASS FLARES ARE EXPECTED TO CONTINUE.

1IA. GEOPHYSICAL ACTIVITY SUMMARY FROM 04/2100Z TO 05/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY QUIET TO UNSETTLED ALTHOUGH HIGH LATITUDES EXPERIENCED A STRETCH OF MILDLY ACTIVE CONDITIONS LATE IN THE PERIOD.

1IB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME DISTURBED ON 07 NOV. AS A RESULT OF THE FLARE ACTIVITY MENTIONED IN PART 1A. MID-LATITUDES SHOULD BE GENERALLY ACTIVE WHILE HIGH LATITUDES MAY OBSERVE PERIODS OF MAJOR STORM CONDITIONS. THE DISTURBANCE SHOULD BECOME LESS INTENSE BY 08 NOV.

1II. EVENT PROBABILITIES 06 NOV 08 NOV

CLASS M 20/15/10

CLASS X 01/01/01  
PROTON 01/01/01  
PCAF GREEN  
IV. OTTAWA 10.7 CM FLUX  
OBSERVED 05 NOV 101  
PREDICTED 06 NOV-08 NOV 100/101/101  
DAY MEAN 05 NOV 093  
V. GEOMAGNETIC A INDICES  
OBSERVED AFR/AP 04 NOV 006/010  
ESTIMATED AFR/AP 05 NOV 007/013  
PREDICTED AFR/AP 06 NOV-08 NOV 010/020-020/050-015/040

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HFUS3 BOU 052200 RTD  
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