

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 05/10/87 00:00:00

End : 05/10/87 23:59:00

05/10 22:00

07  
HFUS3 BOU 102200  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 130

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 10 MAY 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 09/2100Z  
TO 10/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4806 (S30E03)  
PRODUCED A B3 X-RAY EVENT AT 10/1549Z ASSOCIATED WITH AN EIGHT  
DEGREE LONG DISAPPEARING FILAMENT AND A TYPE III RADIO SWEEP.  
REGION 4807 (S06E01) LOST A FILAMENT BEFORE 10/0452Z. IT WAS  
NINE DEGREES LONG WHEN LAHFUS3 BOU 102200 COR  
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REGION 4807 (S06E01) LOST A FILAMENT BEFORE 10/0452Z. IT WAS  
NINE DEGREES LONG WHEN LAST SEEN. NEWLY ASSIGNED REGION 4808  
(S20E38) WAS A SMALL BETA-TYPE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE  
VERY LOW. REGION 4806 PROVIDES A VERY SLIGHT CHANCE OF MODERATE  
ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 09/2100Z TO 10/2100Z:  
THE GEOMAGNETIC FIELD WAS ACTIVE TO UNSETTLED. MINOR STORM  
CONDITIONS OCCURRED AT HIGH LATITUDES. THIS DISTURBANCE WAS  
POSSIBLY THE EFFECT OF DISAPPEARING FILAMENTS OF 6 MAY.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS  
EXPECTED TO BE GENERALLY UNSETTLED TO ACTIVE THE FIRST TWO  
DAYS (11-12 MAY). THE LAST DAY IS EXPECTED TO BE ACTIVE WITH  
POSSIBLE STORM PERIODS AS THE DISAPPEARING FILAMENTS OF TODAY  
EFFECT OUR FIELD.

III. EVENT PROBABILITIES 11 MAY-13 MAY

CLASS M 03/02/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 MAY 088

PREDICTED 11 MAY-13 MAY 086/084/082

90 DAY MEAN 10 MAY 079

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 MAY 005/008

ESTIMATED AFR/AP 10 MAY 009/016

PREDICTED AFR/AP 11 MAY-13 MAY 008/012-008/015-015/018

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