

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 05/06/87 00:00:00

End : 05/06/87 23:59:00

05/06 22:00

2208

HFUS3 BOU 062200 RTD

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 126

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 06 MAY 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100Z TO 06/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGIONS 4804 (S23W03) AND REGION 4806 (S32E54) ARE THE ONLY SPOTTED REGIONS VISIBLE ON THE DISK. REGION 4804 HAS REMAINED QUIET AND STABLE. REGION 4806 HAS CONTINUED TO PRODUCE LOW LEVEL B-CLASS X-RAY FLARES AND OPTICAL SUBFLARES. THE LATEST ANALYSIS INDICATES THE REGION HAS MORE COMPLEXITY TO IT THAN PREVIOUS DAYS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4806 HAS A COMPLEXITY THAT WOULD INDICATE THE POSSIBLE PRESENCE OF MORE THAN ONE BIPOLE. HOWEVER, THE RULES GOVERNING THE NUMBERING OR SPLITTING OF REGIONS PREVENTS MAKING ANY CHANGE IN THE CURRENT STATUS. FOR EASE OF MONITORING OR ANALYZING THE REGION, IT WILL BE IDENTIFIED AS REGION 4806 COMPLEX. THIS REFERENCE WILL CONTINUE UNTIL SIGNIFICANT CHANGE FORCES MODIFICATION. REGION 4806 COMPLEX HAS POTENTIAL TO ELEVATE THE ACTIVITY LEVEL AND WILL CONTINUE TO BE FOLLOWED CLOSELY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET AT ALL LATITUDES. HIGH LATITUDE STATIONS DID OBSERVE UNSETTLED CONDITIONS MIDWAY THRU THE CURRENT PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED FOR THE NEXT THREE DAYS. THERE IS NOTHING IN THE RECURRENT PATTERN TO INDICATE ANY CHANGES FROM PREVIOUS FORECASTS.

III. EVENT PROBABILITIES 07 MAY-09 MAY

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 MAY 086

PREDICTED 07 MAY-09 MAY 087/088/089

90 DAY MEAN 06 MAY 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 MAY 005/007

ESTIMATED AFR/AP 06 MAY 007/010

PREDICTED AFR/AP 07 MAY-09 MAY 007/010-007/010-007/010

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