

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 05/07/87 00:00:00

End : 05/07/87 23:59:00

05/07 22:00

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HFUS3 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 127

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 07 MAY 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/2100Z TO 07/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4806 (S32E41) PRODUCED A FEW VERY LOW B-LEVEL X-RAY SUBFLARES. IT WAS STILL CLASSIFIED AS ONE REGION ALTHOUGH ANALYSIS COULD BE INTERPRETED AS TWO BI-POLAR REGIONS. ITS DISTANT POSITION NEAR THE EAST LIMB PRECLUDES MORE ACCURATE DESIGNATION TODAY. DUE TO THE SINGLE REGION CATALOG, IT WAS A BETA-GAMMA MAGNETIC CONFIGURATION. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4806 PROVIDES A VERY SLIGHT CHANCE OF MODERATE ACTIVITY. THE GREATER POTENTIAL FOR FLARES IS SOUTH-WEST OF THE LEADING SPOT AT THE EMERGENCE POINT OF A NEW BI-POLAR AREA.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 06/2100Z TO 07/2100Z: THE GEOMAGNETIC FIELD WAS ACTIVE TO UNSETTLED. A MAJOR STORM CONDITION OCCURRED AT HIGH LATITUDES EARLY IN THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO QUIET.

III. EVENT PROBABILITIES 08 MAY-10 MAY

CLASS M 05/05/05

CLASS X 01/01/01

MOTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 MAY 087

PREDICTED 08 MAY-10 MAY 088/089/090

90 DAY MEAN 07 MAY 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 06 MAY 005/009

ESTIMATED AFR/AP 07 MAY 010/018

PREDICTED AFR/AP 08 MAY-10 MAY 007/010-007/010-007/010

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