

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 09/06/87 00:00:00

End : 09/06/87 23:59:00

09/06 22:00

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HFUS3 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 249

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 06 SEP 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100Z TO 06/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. ALL REGIONS HAVE REMAINED RELATIVELY STABLE. REGION 4849 (S22E06) CONTINUES TO BE IMPRESSIVE LOOKING, YET HAS NOT GAINED ANY COMPLEXITY OVER THE PAST FEW DAYS. A NEW REGION HAS ROTATED ON THE DISK (S27E76) DURING THE PAST 24 HOURS BUT HAS NOT MET SESC REQUIREMENTS FOR NUMBERING AS OF THIS REPORT. THE REMAINDER OF THE DISK AND LIMBS ARE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4849 IS STABLE AND HAS ONLY A SLIGHT CHANCE TO PRODUCE ANY ENERGETIC EVENTS IN THE VERY NEAR FUTURE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT QUIET TO UNSETTLED LEVELS FOR THE PAST 24 HOURS. HIGH LATITUDE STATIONS DID OBSERVE ONE PERIOD OF ACTIVE CONDITIONS BETWEEN 1200-1330UT.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE ON 7 SEP. ACTIVE TO MINOR STORM LEVELS ARE EXPECTED ON 8-9 SEP DUE TO THE REASONS DISCUSSED IN YESTERDAYS FORECAST. THE 8-9 SEP WINDOW IS MOST LIKELY TO BE THE MID POINT OF THE STRONG CONDITIONS. ACTUAL HIGH LEVEL ACTIVITY IS EXPECTED TO BEGIN LATE ON 7 SEP.

III. EVENT PROBABILITIES 07 SEP-09 SEP

CLASS M 02/02/02

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 SEP 095

PREDICTED 07 SEP-09 SEP 094/093/091

90 DAY MEAN 06 SEP 085

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 SEP 006/019

ESTIMATED AFR/AP 06 SEP 010/017

PREDICTED AFR/AP 07 SEP-09 SEP 020/020-025/035-018/030

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