

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/06/86 00:00:00

End : 10/06/86 23:59:00

10/06 22:00

2202

HFUS3 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 279

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 06 OCT 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100Z TO 06/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4746 (N08W19) HAS CONTINUED TO DECAY AND IS NOW SPOTLESS. REGION 4747 (N34W05) BEGAN TO GROW AGAIN AND HAD A FEW SUBFLARES DURING THE PERIOD. A NEW REGION, 4748 (S03E05), DEVELOPED DURING THE PERIOD: IT APPEARS TO BE A SMALL BIPOLAR GROUP AND EXHIBITED SOME SUBFLARE ACTIVITY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS. THERE IS A CHANCE FOR CONTINUED SUBFLARE ACTIVITY FROM REGIONS 4747 AND 4748.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED TO ACTIVE.

A BRIEF PERIOD OF MINOR STORM CONDITIONS WAS OBSERVED FROM 0600-1030UT, WITH SOME HIGH LATITUDE STATIONS REPORTING MAJOR STORM CONDITIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT THREE DAYS. A GRADUAL INCREASE IN LEVELS IS FORECAST OVER THE PERIOD DUE TO EXPECTED RECURRENT EFFECTS.

III. EVENT PROBABILITIES 07 OCT-09 OCT

CLASS M 04/04/04

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 OCT 073

PREDICTED 07 OCT-09 OCT 073/073/073

90 DAY MEAN 06 OCT 069

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 OCT 013/024

ESTIMATED AFR/AP 06 OCT 013/020

PREDICTED AFR/AP 07 OCT 09 OCT 010/015-015/017-017/020

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10/06 22:00

2303

HFUS3 BOU 062200 RTD

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NNNN

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