

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/07/86 00:00:00

End : 10/07/86 23:59:00

10/07 22:00

2202

US3 BDU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 280

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 07 OCT 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/2100Z TO 07/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4746 (N07W31) WAS OBSERVED FOR PART OF THE DAY WITH SPOTS AND PRODUCED A SUBFLARE. REGION 4747 (N34W18), A HIGH LATITUDE REVERSE POLARITY REGION, DEVELOPED PENUMBRA IN BOTH LEADER AND TRAILER SPOTS, BUT WAS QUIET AND STABLE ALL DAY. REGION 4747 IS PROBABLY A NEW CYCLE REGION. REGION 4748 (S03W10), A SINGLE UNIPOLAR SPOT, WAS QUIET AND STABLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. THERE IS A CHANCE OF SUBFLARE ACTIVITY OVER THE NEXT THREE DAYS. REGION 4747 IS EXPECTED TO GRADUALLY DIMINISH IN SIGNIFICANCE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 06/2100Z TO 07/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETLED TO ACTIVE FOR THE NEXT THREE DAYS DUE TO RECURRENT EFFECTS. ACTIVITY IS EXPECTED TO PEAK ON 9 OCTOBER.

III. EVENT PROBABILITIES 08 OCT-10 OCT

CLASS M 09/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 OCT 074

PREDICTED 08 OCT-10 OCT 074/074/074

90 DAY MEAN 07 OCT 069

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 06 OCT 012/020

ESTIMATED AFR/AP 07 OCT 006/009

PREDICTED AFR/AP 08 OCT-10 OCT 015/017-020/020-015/017

NNNN

<003>