

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 07/31/86 00:00:00

End : 07/31/86 23:59:00

07/31 22:00

2132

53 BOU 312200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 212

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 31 JUL 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/2100 TO 31/2100Z: SOLAR ACTIVITY WAS VERY LOW. ALTHOUGH REGION 4741 (N09E25) IS A CONCENSUS DSO/BETA SPOT GROUP, OPTICAL REPORTS INDICATE THE REGION TO BE DECAYING IN NEARLY ALL CHARACTERISTICS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. REGION 4741 STILL EXHIBITS POTENTIAL FOR FLARES, BUT AT A DIMINISHED LEVEL.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 30/2100Z TO 31/2100Z: THE GEOMAGNETIC ACTIVITY WAS UNSETTLED TO ACTIVE DURING THE LAST 24 HOURS. MINOR STORM CONDITIONS WERE OBSERVED AT HIGH LATITUDES FOR SEVERAL HOURS DURING THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC ACTIVITY IS EXPECTED TO BE UNSETTLED TO ACTIVE. ACTIVE LEVELS WITH POSSIBLE MINOR STORM CONDITIONS AT HIGH LATITUDES ARE EXPECTED ON 2 AUGUST. THE INCREASED LEVELS ARE DUE TO THE EFFECTS OF THE FILAMENT DISAPPEARANCE OF 28 JULY AND SUSPECTED CORONAL HOLE INFLUENCE.

III. EVENT PROBABILITIES 01 AUG-03 AUG

CLASS M 02/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 JUL 071

PREDICTED 01 AUG-03 AUG 070/070/070

90 DAY MEAN 31 JUL 070

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 30 JUL 011/022

ESTIMATED AFR/AP 31 JUL 013/020

PREDICTED AFR/AP 01 AUG-03 AUG 012/020-017/025-012/020

SOLTERWARN

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