

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/19/86 00:00:00

End : 10/19/86 23:59:00

10/19 22:00

2304

HFUS3 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 292

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 19 OCT 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 18/2100 TO 19/2100Z: SOLAR ACTIVITY WAS MODERATE TO LOW. REGION 4750 (N23E47) CONTINUED TO GROW IN ALL PARAMETERS AND PRODUCED AN M4/2B FLARE WITH RADIO ASSOCIATED TENFLARE (2695MHZ), SWEEP TYPES II AND IV, AND BURSTS ON ALL MONITORED DISCRETE FREQUENCIES. THE EVENT STARTED AT 18/2352Z, THE MAXIMUM AT 19/0047Z, AND THE END AT 19/0118Z. THE REGION EVOLVED INTO A BETA-GAMMA-DELTA MAGNETIC CONFIGURATION. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 18/2100Z TO 19/2100Z: THE GEOMAGNETIC FIELD WAS AT ACTIVE TO MINOR STORM LEVELS. MAJOR STORM CONDITIONS OCCURRED AT HIGH LATITUDES LATE IN THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT ACTIVE TO MINOR STORM LEVELS. THIS DISTURBANCE IS BASED ON RECURRENCE.

III. EVENT PROBABILITIES 20 OCT-22 OCT

CLASS M 65/70/60

CLASS X 05/10/05

PROTON 05/10/15

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 OCT 089

PREDICTED 20 OCT-22 OCT 091/094/096

90 DAY MEAN 19 OCT 070

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 18 OCT 011/016

ESTIMATED AFR/AP 19 OCT 019/032

PREDICTED AFR/AP 20 OCT-22 OCT 027/030-025/035-024/030

SOLTERWARN

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