

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/19/87 00:00:00

End : 10/19/87 23:59:00

10/19 22:00

2201

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 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 18/2100Z TO 19/2100Z: SOLAR ACTIVITY HAS BEEN LOW. REGIONS 4866 (N23W54) AND 4870 (S24W68) CONTINUED TO DECAY SLOWLY DURING THE PAST 24 HOURS. ONLY MINOR X-RAY ACTIVITY AND OPTICAL SUBFLARES HAVE OCCURRED. NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW. AN ISOLATED M-LEVEL X-RAY FLARE IS POSSIBLE FROM REGION 4866 OR 4870.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 18/2100Z TO 19/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT QUIET TO UNSETTLED LEVELS FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED AT MIDDLE LATITUDES FOR THE NEXT THREE DAYS. THE HIGH LATITUDES FIELD IS EXPECTED TO BE GENERALLY ACTIVE.

III. EVENT PROBABILITIES 20 OCT-22 OCT

CLASS M 15/10/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 OCT 101

PREDICTED 20 OCT-22 OCT 098/096/094

90 DAY MEAN 19 OCT 092

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 18 OCT 005/008

ESTIMATED AFR/AP 19 OCT 005/012

PREDICTED AFR/AP 20 OCT-22 OCT 012/020-012/025-010/020

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