

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/20/87 00:00:00

End : 10/20/87 23:59:00

10/20 22:00

2201

HFUS3 BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 293

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 20 OCT 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 19/2100Z TO 20/2100Z: SOLAR ACTIVITY HAS BEEN LOW. REGIONS 4866 (N22W68) AND 4870 (S25W79) CONTINUE TO DECAY. ACTIVITY LEVELS HAVE NOT CHANGED SIGNIFICANTLY SINCE YESTERDAY WITH ONLY SMALL SUBFLARES AND C-CLASS X-RAY FLARES OBSERVED. NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW. ENERGETIC ACTIVITY IS NOT EXPECTED FROM REGIONS 4866 OR 4870.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 19/2100Z TO 20/2100Z: 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 AND ACTIVE AT HIGH LATITUDES.

III. EVENT PROBABILITIES 21 OCT-23 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 OCT .097

PREDICTED 21 OCT-23 OCT 094/092/090

90 DAY MEAN 20 OCT .092

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 19 OCT 004/009

ESTIMATED AFR/AP 20 OCT 003/010

PREDICTED AFR/AP 21 OCT-23 OCT 010/025-010/020-015/018

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