

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/31/86 00:00:00

End : 10/31/86 23:59:00

10/31 22:00

2208

HFUS3 BOU 312200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 304

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 31 OCT 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/2100 TO 31/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGIONS 4751 (S27W73), 4754 (N00E18), AND 4755 (N01E31) ARE THE ONLY REGIONS WITH SPOTS. REGION 4755 PRODUCED A FEW SUBFLARES AND SEEMS TO BE SLOWING FROM ITS INITIAL GROWTH PHASE. A 245 MHZ RADIO NOISE STORM WAS OBSERVED FOR PERIODS OF THE DAY WITH NUMEROUS BURSTS SUPERPOSED OVER THE BACKGROUND LEVELS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. THERE IS A SLIGHT CHANCE FOR M-FLARE ACTIVITY FROM 4755 OR 4754.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 30/2100Z TO 31/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED. BRIEF PERIODS OF ACTIVE TO MINOR STORM CONDITIONS WERE OBSERVED AT HIGH LATITUDES EARLY IN THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 01 NOV-03 NOV

CLASS M 20/15/15

CLASS X 01/01/01

PROTON 05/04/04

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 OCT 091

PREDICTED 01 NOV-03 NOV 087/085/085

90 DAY MEAN 31 OCT 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 30 OCT 010/020

ESTIMATED AFR/AP 31 OCT 007/010

PREDICTED AFR/AP 01 NOV-03 NOV 010/010-010/010-005/010

SOLTERWARN

BT

NNNN

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10/31 22:00

2219

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