

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 11/03/87 00:00:00

End : 11/03/87 23:59:00

11/03 22:00

2218

HFUS3 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 307

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 03 NOV 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/2100Z TO 03/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4875 (N29W55)

PRODUCED FREQUENT SUBFLARES OVER THE LAST 16 HOURS, THE LARGEST

BEING A C4/OF AT 0926Z. THE REGION HAS DECAYED SLIGHTLY IN

WHITE LIGHT AND H-ALPHA. REGIONS 4878 (S21W40) AND 4883

(S23E52) HAVE ALSO GENERATED HXUS BOU 032212

GEOALERT BOU307 032200Z

SOLQUIET

MAGALERT 04

BT

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2200

HFUS3 BOU 032200 RTD

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BEING A C4/OF AT 0926Z. THE REGION HAS DECAYED SLIGHTLY IN

WHITE LIGHT AND H-ALPHA. REGIONS 4878 (S21W40) AND 4883

(S23E52) HAVE ALSO GENERATED ISOLATED SUBFLARES. THE LARGE

HEDGEROW PROMINENCE POSITIONED NEAR S25 AT EAST LIMB HAS BEEN

ACTIVE. A SECTION MAY HAVE DISAPPEARED AROUND 1820Z WITHOUT

AN ATTENDANT X-RAY ENHANCEMENT. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. THERE IS THE CHANCE OF M-CLASS ACTIVITY FROM REGION

4875.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 02/2100Z TO 03/2100Z:

THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED TO ACTIVE

AT MID-LATITUDES AND AT MOSTLY MINOR STORM CONDITIONS AT HIGH

LATITUDES. THIS DISTURBANCE IS THOUGHT TO BE THE RESULT OF A

LONG-DURATION X-RAY EVENT OF 30 OCT.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS

EXPECTED TO BE AT ACTIVE TO MINOR STORM LEVELS MOST OF THE

PERIOD. UNSETTLED TO ACTIVE CONDITIONS SHOULD BE IN EFFECT

04 NOV.

III. EVENT PROBABILITIES 04 NOV-06 NOV

CLASS M 15/15/15
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 NOV 100
PREDICTED 04 NOV-06 NOV 099/099/100
DAY MEAN 03 NOV 093

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 02 NOV 016/028
ESTIMATED AFR/AP 03 NOV 022/030
PREDICTED AFR/AP 04 NOV-06 NOV 025/035-018/030-010/025

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