

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 03/17/87 00:00:00

End : 03/17/87 23:59:00

03/17 22:00

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HFUS3 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 076

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 MAR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100Z

TO 17/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION

4779 (HSX/ALPHA S32E39) HAS REMAINED STABLE WITH VERY LITTLE

CHANGE. REGION 4780 (BXD/BETA S19W07) HAS SHOWN GROWTH

IN SPOT NUMBER, BUT HAS NOT PRODUCED ANY ACTIVITY. THE

REMAINDER OF THE DISK AND LIMBS ARE QUIET.

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

VERY LOW FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z:

THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE DURING

THE PAST 24 HOURS. HIGH LATITUDE STATIONS OBSERVED MINOR

STORM CONDITIONS FROM 17/0430Z TO 17/0900Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS

EXPECTED TO BE UNSETTLED TO ACTIVE ON 18 MARCH AND ACTIVE

ON 19 AND 20 MARCH. RECURRENCE IS THE PRIMARY BASIS FOR

THE FORECAST.

III. EVENT PROBABILITIES 18 MAR-20 MAR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

CAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 MAR 072

PREDICTED 18 MAR-20 MAR 073/073/073

90 DAY MEAN 17 MAR 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 MAR 009/015

ESTIMATED AFR/AP 17 MAR 010/015

PREDICTED AFR/AP 18 MAR-20 MAR 008/015-018/025-015/020

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