

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 04/30/87 00:00:00

End : 04/30/87 23:59:00

04/30 22:00

2214

HFUS3 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 120

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 30 APR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 29/2100Z

TO 30/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGIONS

4797 (N03W45) AND 4803 (S28W25) HAVE GROWN SLIGHTLY IN SUNSPOT

NUMBER AND AREA SINCE YESTERDAY. NEW REGION 4804 (S23W73)

ROTATED AROUND THE EAST LIMB AS A SINGLE SPOT AND IS LOCATED

IN THE VICINITY OF OLD REGION 4786. HFUS3 BOU 302200 RTD

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

VERY LOW FOR MOST OF THIS FORECAST PERIOD. REGION COMPLEX

4787/4790 (S32, L-132 CLASS/AREA DK1/240 ON 19 APRIL 87) IS

DUE TO RETURN NEAR THE END OF THE PERIOD. THERE IS A CHANCE

OF MODERATE ACTIVITY AS THIS COMPLEX ROUNDS THE EAST LIMB.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 29/2100Z TO 30/2100Z:

THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS

EXPECTED TO BE GENERALLY UNSETTLED AT MIDDLE LATITUDES AND

UNSETTLED TO ACTIVE AT HIGH LATITUDES.

III. EVENT PROBABILITIES 01 MAY-03 MAY

CLASS M 01/01/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 APR 076

PREDICTED 01 MAY-03 MAY 078/080/082

90 DAY MEAN 30 APR 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 29 APR 003/007

ESTIMATED AFR/AP 30 APR 004/007

PREDICTED AFR/AP 01 APR-03 MAY 012/015-012/015-010/010

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