

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 04/02/87 00:00:00

End : 04/02/87 23:59:00

04/02 22:00

2225

HFUS3 BOU 022200 COR

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 092

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 02 APR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 01/2100Z TO 02/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4783 (N05W31) HAS LOST ALL BUT ONE OF ITS SPOTS. THIS HSX TYPE SPOT GROUP HAS PRODUCED SEVERAL MINOR FLARES. NO NEW REGIONS WERE NUMBERED TODAY AND THE REST OF THE DISK AND LIMBS WERE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS. NO REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 01/2100Z TO 02/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED AT ALL LATITUDES WITH A FEW ISOLATED AND BRIEF PERIODS OF MORE ACTIVE AT SOME HIGH LATITUDE STATIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED AT MIDDLE LATUTDES AND UNSETTLED TO ACTIVE AT HIGH LATITUDES FOR THE NEXT THREE DAYS. THE OVERALL TREND IS TO DECREASING ACTIVITY AT HIGHER LATITUDES.

III. EVENT PROBABILITIES 03 APR-05 APR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 APR 072

PREDICTED 03 APR-05 APR 072/072/072

90 DAY MEAN 02 APR 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 01 APR 009/016

ESTIMATED AFR/AP 02 APR 007/011

PREDICTED AFR/AP 03 APR-05 APR 012/020-012/015-010/010

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