

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 05/04/87 00:00:00

End : 05/04/87 23:59:00

05/04 22:00

2-01

HFUS3 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 124

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 04 MAY 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 03/2100Z TO 04/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. ONLY THREE REGIONS REMAIN ON THE DISK THAT ARE SPOTTED. ACTIVITY HAS BEEN MINIMAL. NEW REGION 4806 (S32E77) HAS NOT FULLY ROTATED ONTO THE DISK. IT IS SUSPECTED TO BE OLD REGION COMPLEX 4787/4790 AND WILL NOT LIKELY BE IN FULL VIEW UNTIL TOMORROW. THE REMAINDER OF THE DISK AND LIMBS REMAIN QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. NEW REGION 4806 IS NOT EXPECTED TO PRODUCE THE LEVEL OR FREQUENCY OF ACTIVITY THAT WAS PRODUCED AS OLD REGION COMPLEX 4787/4790. THE REMAINDER OF THE REGIONS APPEAR TO BE DECAYING ON A NEARLY CONTINUOUS BASIS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 03/2100Z TO 04/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED. A FEW BRIEF PERIODS OF ACTIVE CONDITIONS WERE OBSERVED AT HIGH LATITUDES.

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

III. EVENT PROBABILITIES 05 MAY-07 MAY

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 MAY 083

PREDICTED 05 MAY-07 MAY 085/087/088

90 DAY MEAN 04 MAY 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 03 MAY 006/010

ESTIMATED AFR/AP 04 MAY 008/012

PREDICTED AFR/AP 05 MAY-07 MAY 010/012-008/010-008/010

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