

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 04/21/87 00:00:00

End : 04/21/87 23:59:00

04/21 22:00

03

HFUS3 BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 111

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 21 APR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 20/2100Z TO 21/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THREE NEW REGIONS WERE NUMBERED TODAY: 4795 (S25E12), 4796 (S40E41) AND 4797 (N05E76). REGIONS 4795 AND 4796 EMERGED AS SMALL SPOT GROUPS AND 4797 APPEARS TO BE RETURNING REGION 4783. REGION 4797 IS NOW A SINGLE SPOT WITH POSSIBLY MORE SPOTS BEYOND THE LIMB. THIS REGION APPEARS TO BE THE SOURCE OF A LONG DURATION X-RAY EVENT STARTING NEAR 21/1825 UT, MAXING AT C1 AT 21/2020 UT AND ENDING AT 21/2040 UT.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 20/2100Z TO 21/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED FOR THE PAST 24 HOURS. YESTERDAY'S ACTIVITY QUICKLY DIMINISHED TO PRESENT LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED.

III. EVENT PROBABILITIES 22 APR-24 APR

CLASS M 01/01/01

CLASS X 01/01/01

MOTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 APR 078

PREDICTED 22 APR-24 APR 078/078/078

90 DAY MEAN 21 APR 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 20 APR 013/020

ESTIMATED AFR/AP 21 APR 004/007

PREDICTED AFR/AP 22 APR-24 APR 010/015-010/012-005/015

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