

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 04/29/86 00:00:00

End : 04/29/86 23:59:00

04/29 22:00

2121

SFUS3 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 119

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 29 APR 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 28/2100 TO 29/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4726 (N04W72) CONTINUED TO SLOWLY DECAY IN ALL ASPECTS. A 28 DEGREE LONG FILAMENT DISAPPEARED FROM S12E03 BETWEEN 29/0600 AND 1135Z. THIS DISAPPEARANCE WAS ACCCOMPANIED BY AN INCREASE TO A 170SFU MAXIMUM OF THE 245MHZ LONG DURATION RADIO NOISE STORM FROM REGION 4726, AND ONLY THE SLIGHTEST ENHANCEMENT OF THE X-RAY ENERGY WITH A SOFT X-RAY EVENT OF B1.5 AT 29/0830Z. NO DISCRETE RADIO BURSTS, SWEEPS, NOR ANY OPTICAL SIGHTINGS WERE OBSERVED OTHER THAN ITS FADING/DISAPPEARANCE. NO NEW REGION WAS ASSIGNED.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 28/2100Z TO 29/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE.

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

III. EVENT PROBABILITIES 30 APR-02 MAY

CLASS M 15/10/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 APR 076

PREDICTED 30 APR-02 MAY 074/072/071

90 DAY MEAN 29 APR 079

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 28 APR 013/020

ESTIMATED AFR/AP 29 APR 009/015

PREDICTED AFR/AP 30 APR-02 MAY 009/015-008/010-010/010

SOLTERWARN

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