

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 03/06/87 00:00:00

End : 03/06/87 23:59:00

03/06 22:00

07

HFUS3 BOU 062200 RTD

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 065

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 06 MAR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100Z TO 06/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4778

(N07W26) PRODUCED A FEW SUBFLARES AND CONTINUES TO GROW AS THE LEADER AND TRAILER PORTIONS HAVE DEVELOPED PENUMBRA. AN ARCH FILAMENT SYSTEM WAS OBSERVED IN THE REGION THROUGHOUT THE DAY. THE ONLY OTHER SPOTTED REGION, 4773 (N37W48), HAS DECLINED TO A SIMPLE SUNSPOT WITHOUT PENUMBRA AND WAS QUIET DURING THE PERIOD.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z:

THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET TO UNSETTLED AT MID-LATITUDES AND GENERALLY UNSETTLED AT HIGH-LATITUDES.

A BRIEF SUBSTORM WAS OBSERVED FROM 07/2100Z TO 08/0130Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED FOR 07 MARCH, BECOMING ACTIVE ON 08 MARCH, AND DIMINISHING TO UNSETTLED TO ACTIVE CONDITIONS FOR 09 MARCH. THIS DISTURBANCE IS EXPECTED FROM THE FILAMENT DISRUPTION OF 04 MARCH.

III. EVENT PROBABILITIES 07 MAR-09 MAR

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 MAR 077

PREDICTED 07 MAR-09 MAR 077/076/075

90 DAY MEAN 06 MAR 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 MAR 016/019

ESTIMATED AFR/AP 06 MAR 007/009

PREDICTED AFR/AP 07 MAR-09 MAR 010/012-020/025-012/017

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