

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 03/25/87 00:00:00

End : 03/25/87 23:59:00

25 22:00

2201

HFUS3 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 084

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 25 MAR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/2100Z TO 25/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. NEWLY ASSIGNED REGION 4783 (N04E78) IS A MATURE H-TYPE SUNSPOT. THIS APPARENTLY IS THE RETURN OF OLD REGION 4778 WHICH PRODUCED TWO C-CLASS FLARES LAST ROTATION. THE OTHER SPOT GROUP ON THE DISK, REGION 4781 (N24W70), CONTINUES TO DECAY. THE LIMBS HAVE BEEN QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT 72 HOURS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 24/2100Z TO 25/2100Z: THE GEOMAGNETIC FIELD HAS BEEN MAINLY QUIET TO UNSETTLED. HIGH LATITUDES OBSERVED MILDLY ACTIVE CONDITIONS THE LAST THREE HOURS OF THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME ACTIVE LATE ON 26 MARCH, WITH PERIODS OF MINOR STORM CONDITIONS LIKELY THROUGH 27 MARCH. THE LONG DURATION X-RAY EVENT/DISAPPEARING FILAMENT OF 23 MARCH SHOULD AWN THIS DISTURBANCE. UNSETTLED CONDITIONS WILL PREVAIL THE REMAINDER OF THE INTERVAL.

III. EVENT PROBABILITIES 26 MAR-28 MAR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 MAR 076

PREDICTED 26 MAR-28 MAR 076/075/075

90 DAY MEAN 25 MAR 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 MAR 005/006

ESTIMATED AFR/AP 25 MAR 005/012

PREDICTED AFR/AP 26 MAR-28 MAR 010/012-020/023-010/012

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