

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 03/27/87 00:00:00

End : 03/27/87 23:59:00

03/27 22:00

02

HFUS3 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 086

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 27 MAR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/2100Z

TO 27/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4783

(N05E50) IS THE SOLE SPOTTED REGION. TWOKKKKAP)(GJ)P

N45W05 DISAPPEARED BY 0040Z. THERE WAS NO X-RAY ENHANCEMENT OF

ANY SORT DETECTED WITH THE DISAPPEARANCE. OCCASIONAL SURGES

WERE OBSERVED AT WEST LIMB NEAR N24 WHERE REGION 4781 IS NOW

PERCHED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO

REMAIN VERY LOW THROUGHOUT THE PERIOD. OCCASIONAL SUBFLARES

MAY OCCUR IN REGION 4783.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 26/2100Z TO 27/2100Z:

THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE TO MINOR STORM LEVELS

SINCE EARLY IN THE PERIOD. A DISAPPEARING FILAMENT/ LONG-

DURATION X-RAY EVENT ON 23 MARCH PROBABLY GENERATED THE

DISTURBANCE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS

EXPECTED TO BE GENERALLY UNSETTLED FOR THE NEXT THREE DAYS.

THERE IS A CHANCE OF SHORT ACTIVE INTERVALS DURING THE NEXT

12 HOURS.

I. EVENT PROBABILITIES 28 MAR-30 MAR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 MAR 076

PREDICTED 28 MAR-30 MAR 075/075/075

90 DAY MEAN 27 MAR 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 26 MAR 011/015

ESTIMATED AFR/AP 27 MAR 020/030

PREDICTED AFR/AP 28 MAR-30 MAR 010/012-010/012-010/012

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03/27 22:00

2231

HFUS3 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 086

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 27 MAR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/2100Z TO 27/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4783 (N05E50) IS THE SOLE SPOTTED REGION. TWO SPOTS AND SCATTERED PLAGE MAKE UP THIS MATURE REGION. NO SIGNIFICANT ACTIVITY HAS BEEN OBSERVED THERE. AN 11 DEGREE-LONG FILAMENT CENTERED AT N45W05 DISAPPEARED BY 0040Z. THERE WAS NO X-RAY ENHANCEMENT OF ANY SORT DETECTED WITH THE DISAPPEARANCE. OCCASIONAL SURGES WERE OBSERVED AT WEST LIMB NEAR N24 WHERE REGION 4781 IS NOW PERCHED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW THROUGHOUT THE PERIOD. OCCASIONAL SUBFLARES MAY OCCUR IN REGION 4783.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 26/2100Z TO 27/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE TO MINOR STORM LEVELS SINCE EARLY IN THE PERIOD. A DISAPPEARING FILAMENT/ LONG-DURATION X-RAY EVENT ON 23 MARCH PROBABLY GENERATED THE DISTURBANCE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED FOR THE NEXT THREE DAYS. THERE IS A CHANCE OF SHORT ACTIVE INTERVALS DURING THE NEXT 12 HOURS.

III. EVENT PROBABILITIES 28 MAR-30 MAR

CLASS M	01/01/01
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	27 MAR	076
PREDICTED	28 MAR-30 MAR	075/075/075
90 DAY MEAN	27 MAR	073

V. GEOMAGNETIC A INDICES

OBSERVED	AFR/AP	26 MAR	011/015
ESTIMATED	AFR/AP	27 MAR	020/030
PREDICTED	AFR/AP	28 MAR-30 MAR	010/012-010/012-010/012

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