

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 03/28/87 00:00:00

End : 03/28/87 23:59:00

03/28 22:00

01

HFUS3 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 087

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 28 MAR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100Z TO 28/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4883 (NO4E36) HAS BEEN STABLE DURING THE PERIOD, PRODUCING OCCASIONAL SUBFLARES. X-RAY INSTRUMENTS OBSERVED A C1.2 CLASS X-RAY FLARE AT 0631UT WHILE OPTICAL OBSERVATIONS WERE BEING HAMPERED BY CLOUDS, HOWEVER 4883 IS UNDOUBTEDLY THE MOST LIKELY SOURCE FOR THE EVENT. NO OTHER SPOTTED REGIONS WERE OBSERVED DURING THE PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. REGION 4883 IS LIKELY TO CONTINUE PRODUCING SUBFLARES.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 27/2100Z TO 28/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED TO ACTIVE, WITH OCCASIONAL PERIODS OF MINOR STORM CONDITIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 29 MAR-31 MAR

CLASS M 01/01/01

CLASS X 01/01/01

OTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 MAR 075

PREDICTED 29 MAR-31 MAR 075/075/075

90 DAY MEAN 28 MAR 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 MAR 025/028

ESTIMATED AFR/AP 28 MAR 014/015

PREDICTED AFR/AP 29 MAR-31 MAR 010/012-010/012-010/012

NNNN

<003>

03/28 22:00

2242

HFUS3 BOU 282200 COR

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 087

: : : : : CORRECTED COPY : : : : :

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 28 MAR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100Z TO 28/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4783

(N04E36) HAS BEEN STABLE DURING THE PERIOD, PRODUCING OCCASIONAL SUBFLARES. X-RAY INSTRUMENTS OBSERVED A C1.2 CLASS X-RAY FLARE AT 0631UT WHILE OPTICAL OBSERVATIONS WERE BEING HAMPERED BY CLOUDS, HOWEVER 4783 IS UNDOUBTEDLY THE MOST LIKELY SOURCE FOR THE EVENT. NO OTHER SPOTTED REGIONS WERE OBSERVED DURING THE PERIOD.

SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. REGION 4783 IS LIKELY TO CONTINUE PRODUCING SUBFLARES.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 27/2100Z TO 28/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED TO ACTIVE, WITH OCCASIONAL PERIODS OF MINOR STORM CONDITIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 29 MAR-31 MAR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 MAR 075

PREDICTED 29 MAR-31 MAR 075/075/075

90 DAY MEAN 28 MAR 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 MAR 025/028

ESTIMATED AFR/AP 28 MAR 014/015

PREDICTED AFR/AP 29 MAR-31 MAR 010/012-010/012-010/012

NNNN

<03>

03/28 22:00

2314

HFUS3 BOU 282200 COR02

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 087

: : : : : CORRECTED COPY : : : : : : : : : : : : : : : : : : :

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 28 MAR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100Z TO 28/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4783 (N04E36) HAS BEEN STABLE DURING THE PERIOD, PRODUCING OCCASIONAL SUBFLARES. X-RAY INSTRUMENTS OBSERVED A C1.2 CLASS X-RAY FLARE AT 0309UT WHILE OPTICAL OBSERVATIONS WERE BEING HAMPERED BY CLOUDS, HOWEVER 4783 IS UNDOUBTEDLY

NNNN

<003>

03/28 22:00

2322

HFUS3 BOU 282200 COR02

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 087

CORRECTED COPY
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 28 MAR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100Z TO 28/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4783 (NO4E36) HAS BEEN STABLE DURING THE PERIOD, PRODUCING OCCASIONAL SUBFLARES. X-RAY INSTRUMENTS OBSERVED A C1.2 CLASS X-RAY FLARE AT 0309UT WHILE OPTICAL OBSERVATIONS WERE BEING HAMPERED BY CLOUDS, HOWEVER 4783 IS UNDOUBTEDLY THE MOST LIKELY SOURCE FOR THE EVENT. NO OTHER SPOTTED REGIONS WERE OBSERVED DURING THE PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. REGION 4783 IS LIKELY TO CONTINUE PRODUCING SUBFLARES.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 27/2100Z TO 28/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED TO ACTIVE, WITH OCCASIONAL PERIODS OF MINOR STORM CONDITIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 29 MAR-31 MAR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 MAR 075

PREDICTED 29 MAR-31 MAR 075/075/075

90 DAY MEAN 28 MAR 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 MAR 025/028

ESTIMATED AFR/AP 28 MAR 014/015

PREDICTED AFR/AP 29 MAR-31 MAR 010/012-010/012-010/012

NNNN

<003>