

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 09/23/87 00:00:00

End : 09/23/87 23:59:00

09/23 22:00

2216

HFUS3 BOU 232200 RTD

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 266

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 23 SEP 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/2100Z TO 23/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE NEW AXX TYPE REGION AT S19E53 WAS NUMBERED 4858 TODAY. ALL OF THE SOLAR ACTIVE REGIONS WERE QUIET AND STABLE.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 22/2100Z TO 23/2100Z: THE GEOMAGNETIC FIELD WAS AT ACTIVE TO MINOR STORM LEVELS WITH PERIODS OF MAJOR STORM CONDITIONS AT HIGH LATITUDES UNTIL ABOUT 1500Z WHEN CONDITIONS DROPPED OFF TO QUIET TO UNSETTLED LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT MINOR STORM LEVELS FOR 24-25 SEPTEMBER AS A RESULT OF THE DISAPPEARANCE OF SEVERAL FILAMENTS BETWEEN 20-21 SEPTEMBER. THE DISTURBANCE IS EXPECTED TO TAPER OFF WITH UNSETTLED TO ACTIVE CONDITIONS LIKELY ON 26 SEPTEMBER.

III. EVENT PROBABILITIES 24 SEP-26 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PCAF 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 SEP 080

PREDICTED 24 SEP-26 SEP 080/080/078

90 DAY MEAN 23 SEP 087

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 22 SEP 024/036

ESTIMATED AFR/AP 23 SEP 020/037

PREDICTED AFR/AP 24 SEP-26 SEP 035/040-035/040-015/020

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09/23 22:00

2232

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