

HFUS 3 BOU 090500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO
DF NUMBER 252A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 09 SEP 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW THE PAST SEVEN HOURS. TWO
LOW LEVEL CLASS C X-RAY EVENTS HAVE OCCURRED WITH NO OPTICAL
COUNTERPART YET REPORTED. REGION 889 (N07E85) IS STILL ROTATING ON
TO THE DISK WITH A BRIGHT PLAGE AND LARGE SPOT VISIBLE. THE OTHER
REGIONS REMAIN QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE WITH ENERGETIC
EVENTS PROBABLE FROM REGION 889. IT CURRENTLY APPEARS TO BE A
DEVELOPING REGION.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED
THE PAST 12 HOURS. GENERALLY UNSETTLED CONDITIONS ARE EXPECTED
THE BALANCE OF THIS ZULU DAY.

III. EVENT PROBABILITIES 09-11 SEP

CLASS M 60/60/60

CLASS X 25/25/25

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 SEP 90

PREDICTED 09-11 SEP 94/100/104

90-DAY MEAN 08 SEP 85

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 SEP 05

ESTIMATED AFR/AP 08 SEP 07 07 05

PREDICTED AFR/AP 09-11 SEP 12/14 - 30/35 - 18/20

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HFUS 3 BOU 091500
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 252-B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 09 SEP 1977

IA. SOLAR ACTIVITY HAS BEEN AT A MODERATE LEVEL SO FAR THIS ZULU DAY. SEVERAL CLASS "C" X-RAY BURST AND AN M-1 X-RAY BURST AT 01021 U.T. HAVE BEEN REPORTED. THE END OF THIS EVENT WAS SEEN BY RAMEY AND WAS CLASSED A SUB-BRILLIANT FLARE IN REGION 889 (N07E74). APPARENTLY 889 HAS AN "E" TYPE SPOT GROUP WITH A POSSIBLE DELTA CONFIGURATION. THE OTHER DISK FEATURES SHOW SLOW DECAY OR NO SIGNIFICANT CHANGES.

IB. SOLAR ACTIVITY WILL BE AT A MODERATE LEVEL FOR THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD IS BECOMING UNSETLED. UNSETLED TO OCCASIONALLY ACTIVE PERIODS WILL CONTINUE FOR THE NEXT 24 TO 36 HOURS.

III. EVENT PROBABILITIES 09 - 11 SEP

CLASS M 60/60/60

CLASS X 25/25/25

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 SEP 90

PREDICTED 09 - 11 SEP 94/100/104

90-DAY MEAN 08 SEP 85

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 SEP 05

ESTIMATED AFR/AP 08 SEP 07/05

PREDICTED AFR/AP 09 - 11 SEP 12/14 - 30/35 - 18/20

SOLTERWARN

HFUS 1 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO
SDF NUMBER 252

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 09 SEPT 1977

IA. SOLAR ACTIVITY WAS AT A MODERATE TO HIGH LEVEL DURING THE PAST 24 HOURS. A 2B FLARE AT 09~~1~~646 U.T. WAS ACCCOMPANIED BY AN X2 X-RAY BURST AND OTTAWA RECORDED AN 1100 FLUX UNIT RADIO BURST ON 2695 MHZ. SHORT WAVE FADES TO AT LEAST 15 MHZ WERE OBSERVED. REGION 889 (N07E 77) WAS RESPONSIBLE FOR THIS EVENT. POST FLARE LOOPS ARE STILL IN PROGRESS. REGION 889 IS LARGE, COMPLEX AND MODERATELY BRIGHT. THE "E" TYPE SPOT GROUP HAS DARK, DISTINCT UMBRA AND THE PENUMBRA IS LARGE AND COMPLEX. THE OTHER REGIONS ON THE DISK ARE INSIGNIFICANT BY COMPARISON.

IB. SOLAR ACTIVITY WILL REMAIN AT A MODERATE TO HIGH LEVEL FOR THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD IS UNSETLED TO ACTIVE. UNSETLED TO ACTIVE CONDITIONS SHOULD CONTINUE WITH PERIODS OF MINOR STORM CONDITIONS INTERSPERSED.

III. EVENT PROBABILITIES 10-21 SEPT

CLASS M 85/85/85

CLASS X 35/35/35

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 9 SEPT 094

PREDICTED 10-12 SEPT 100/102/104

90-DAY MEAN 09 SEPT 086

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 SEPT 09

ESTIMATED AFR/AP 09 SEPT 12/14

PREDICTED AFR/AP 10-12 SEPT 16/20 - 25/35 - 18/25

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