

HFUS 3 BOU 140500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 287A

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

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST EIGHT HOURS. REGION 908
PRODUCED THREE SUBFLARES, (CLASS C X-RAY EVENTS) AT 13/2230Z, 14/
0125Z, AND 14/0309Z. 908 (N07W27) HAS SHOWN DECAY OVER THE PAST 24
HOURS. OTHER DISK REGIONS AND THE LIMBS ARE QUIET.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET SINCE 13/2200Z. ACTIVE
TO MINOR STORM CONDITIONS ARE POSSIBLE FOR THE NEXT 60 HOURS
PARTICULARLY DURING HOURS OF LOCAL DARKNESS.

III. EVENT PROBABILITIES 14-16 OCT

CLASS M 70/60/50

CLASS X 10/10/05

PROTON 20/20/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 OCT 99

PREDICTED 14-16 OCT 99/98/97

90-DAY MEAN 13 OCT 99

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 OCT 23

ESTIMATED AFR/AP 13 OCT 15/16

PREDICTED AFR/AP 14-16 OCT 14/14 - 20/25 - 25/25

SOLTERWARN

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HFUS 3 BOU 141500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 287-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1500Z 14 OCT 1977

IA. SOLAR ACTIVITY WAS LOW DURING THE PAST TEN HOURS WITH NO SIGNIFICANT ENERGETIC EVENTS. REGION 908 (N06W33) CONTINUES TO SHOW SOME SPOT DECAY, WHILE REGION 914 (N21E63) HAS BEEN GROWING.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE DURING THE REST OF THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED DURING THE PAST TEN HOURS. A STRONG SUDDEN COMMENCEMENT (48 GAMMAS) WAS OBSERVED AT BOULDER AT 14/1152Z. THE MAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE DURING THE REST OF THE ZULU DAY.

III. EVENT PROBABILITIES 14 - 16 OCT

CLASS M 50/50/50

CLASS X 10/10/05

PROTON 10/10/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 OCT 99

PREDICTED 14 - 16 OCT 99/98/97

90-DAY MEAN 13 OCT 99

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 OCT 23

ESTIMATED AFR/AP 13 OCT 15/16

PREDICTED AFR/AP 14 - 16 OCT 14/14 - 30/25 - 30/25

SOLTERWARN

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HFUS 1 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 287

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 14 OCT 1977

IA. SOLAR ACTIVITY WAS LOW DURING THE PAST 24 HOURS. REGION 908
(N06W37) PRODUCED SEVERAL SUBFLARES BUT SHOWED SIGNIFICANT SPOT DECAY.
HOWEVER, THE REGION, MAGNETICALLY, IS STILL A BETA GAMMA. REGIONS
914 (N22E63) AND 915 (N18W02) GREW CONSIDERABLY DURING THE PAST 24
HOURS. OTHER DISK REGIONS WERE GENERALLY STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO OCCASIONALLY MODERATE
DURING THE NEXT 24 HOURS. C-CLASS X-RAY ACTIVITY WITH OCCASIONAL
M-CLASS ACTIVITY IS POSSIBLE.

II. THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED DURING THE PAST
24 HOURS. A STRONG SUDDEN COMMENCEMENT WAS OBSERVED AT 14/1152Z.
THE GEOMAGNETIC FIELD IS EXPECTED TO BE INTERMITTENTLY AT MINOR
STORM LEVELS DURING THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 15-17 OCT

CLASS M 35/30/25

CLASS X 10/10/05

PROTON 10/10/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 OCT 99

PREDICTED 15-17 OCT 99/99/99

90-DAY MEAN 14 OCT 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 OCT 12

ESTIMATED AFR/AP 14 OCT 08/08

PREDICTED AFR/AP 15-17 OCT 30/30 - 30/30 - 25/25

SOLTERWARN

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