

HFUS 1 BOU 140500  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO  
SDF NUMBER 257A  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 14 SEPTEMBER 1974

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 8 HOURS. A FEW NON ENERGETIC SUBFLARES HAVE BEEN OBSERVED. THE LIMBS ARE QUIET.

IB. REGIONS 487 (N09E14) AND 488 (S10E13) ARE BOTH CAPABLE OF MAJOR FLARE PRODUCTION. ACTIVITY IS EXPECTED TO BE MODERATE TO HIGH DURING THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED AND IS EXPECTED TO BE UNSETLED TO ACTIVE DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

SOLTERWARN  
BT.

HFUS BOU 141430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 257B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1430Z 14 SEPTEMBER 1974

IA. SOLAR ACTIVITY HAS BEEN LOW SINCE THE M5 EVENT AT 1510Z  
YESTERDAY. THIS EVENT OCCURRED IN REGION 488 (S10E08) AND WAS  
ACCOMPANIED BY MAJOR IONOSPHERIC EFFECTS, A MAJOR 10 CM RADIO  
BURST AND TYPE IV DEKA METRIC CONTINUUM. RIOMETER OBSERVATIONS  
INDICATE A PCA EVENT IN PROGRESS DURING DAYLIGHT HOURS. SO FAR  
TODAY, ONLY MINOR SUBFLARES HAVE OCCURRED, ALL IN REGION 487  
(N09E09). THIS REGION REMAINS COMPLEX AND CAPABLE OF MAJOR ACTIVITY.  
IB. THE M5 EVENT IS EXPECTED TO CONTINUE THE PCA EVENT AND ENHANCE  
THE GEOMAGNETIC FIELD. THERE REMAINS A GOOD CHANCE FOR ANOTHER M  
OR X EVENT.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED AND IS EXPECTED TO  
BECOME ACTIVE TODAY WITH MINOR STORM CONDITIONS THE FOLLOWING  
TWO DAYS.

III. EVENT PROBABILITIES 14 - 16 SEPT

CLASS M 80/80/80

CLASS X 40/40/40

PROTON 25/25/25

PCAF RED

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 SEPT 106

PREDICTED 14 - 16 SEPT 106/106/106

90-DAY MEAN 13 SEPT 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 SEPT 03

ESTIMATED AFR/AP 13 SEPT 12/15

PREDICTED AFR/AP 14 - 16 SEPT 15/22 - 30/42 - 30/45

SOLTERWARN

BT

HFUS BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 257

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 14 SEPTEMBER 1974

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS WITH ONLY OCCASIONAL C EVENTS. REGION 487 (N08E03) HAS PRODUCED MOST OF THE ACTIVITY AND RETAINS ITS COMPLEXITY. THE PCA EVENT HAS APPARENTLY ENDED, HOWEVER THE M5 EVENT OF 131510Z MIGHT REGENERATE THE PCA WITHIN THE NEXT 24 HOURS. THE REMAINING REGIONS ARE RELATIVELY INACTIVE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE WITH A GOOD CHANCE OF AN X OR M EVENT.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED. A RECURRING DISTURBANCE IS EXPECTED WITHIN THE NEXT 24 HOURS WHEN THE FIELD SHOULD BE AT MINOR STORM LEVEL.

III. EVENT PROBABILITIES 15 SEPT - 17 SEPT

CLASS M 70/70/70

CLASS X 30/30/30

PROTON 15/15/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 SEPT 103

PREDICTED 15 SEPT - 17 SEPT 102/101/100

90-DAY MEAN 14 SEPT 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 SEPT 13

ESTIMATED AFR/AP 14 SEPT 8/10

PREDICTED AFR/AP 15 SEPT - 17 SEPT 30/42 - 30/42 - 30/42

SOLTERWARN

BT