

HFUS 3 BOU 080530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 039A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 08 FEBRUARY 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST EIGHT HOURS.  
REGION 1001 (N16E48) HAS PRODUCED A 1 IN AT 08/0007Z, A 1 IN AT 08/0203Z,  
AND A 2B AT 08/0359Z WHICH WAS M2 ON X-RAY. THIS REGION HAS SHOWN  
SOME GROWTH DURING THE PAST EIGHT HOURS. THE REST OF THE DISK HAS  
BEEN STABLE AND QUIET.

IB. SOLAR ACTIVITY WILL BE MODERATE DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO  
CONTINUE QUIET DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 08 FEBRUARY - 10 FEBRUARY

CLASS M 60/60/60

CLASS X 20/20/20

PROTON 15/15/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 FEBRUARY 162

PREDICTED 08-10 FEBRUARY 163/160/155

90-DAY MEAN 07 FEBRUARY 108

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 FEBRUARY MISSING

ESTIMATED AFR/AP 07 FEBRUARY 07/07

PREDICTED AFR/AP 08-10 FEBRUARY 07/07 - 05/05 - 05/05

SOLTERWARN

BT

HFUS 3 BOU 081500  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 039B  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 08 FEBRUARY 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE. REGION 998 (N27W03) PRODUCED THE MOST IMPORTANT FLARE OF THE PERIOD WHICH WAS A B CLASS M-1 WITH A MAX TIME OF 08/0715Z. THIS FLARE WAS REPORTED ALSO AS A SUB-NORMAL BY ANOTHER OBSERVATORY. REGION 1001 (N16E44) CONTINUES TO BE VERY IMPRESSIVE. THE REGION IS A LARGE (OVER 1000 MILLION HS) F-TYPE SPOT GROUP WITH A DELTA CONFIGURATION. ALL OTHER REGIONS ARE UNIMPRESSIVE IN COMPARISON.

IB. SOLAR ACTIVITY SHOULD CONTINUE AT A MODERATE LEVEL. REGIONS 998 AND 1001 ARE EXPECTED TO PRODUCE HFURTHER ENERGETIC EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETLED. A ONE FOLD INCREASE IN THE 0.8-4.0 MEV PROTON FLUX INDICATES UNSETLED CONDITIONS MAY BE EXPECTED.

III. EVENT PROBABILITIES 08-10 FEB

CLASS M 80/80/90  
CLASS X 30/35/40  
PROTON 30/35/40  
PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX  
OBSERVED 07 FEB 162  
PREDICTED 08-10 FEB 168/168/168  
90-DAY MEAN 07 FEB 108

V. GEOMAGNETIC A INDICES  
OBSERVED FREDERICKSBURG 06 FEB - NOT IN YET  
ESTIMATED AFR/AP 07 FEB 07/07  
PREDICTED AFR/AP 08-10 FEB 10/10 - 10/10 - 10/10  
SOLTERWARN  
BT

HFUS 1 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 039

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 08 FEBRUARY 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE. REGIONS 998 (N27W11) AND 1001 (N17E30) HAVE BEEN HIGHLY FLARE PRODUCTIVE. SIGNIFICANT FLARES INCLUDE, FROM REGION 998, 1-B/M-1 AT 08/071Z, AND, FROM REGION 1001, A 2-B/M-2 AT 08/0359Z. THESE SAME FLARES WERE CLASSED AS SUP-NORMALS BY CULGOORA. BOTH REGIONS CONTAIN WEAK DELTA'S AND ARE MORE COMPLEX THAN YESTERDAY AND 1001 CONTINUES TO GROW IN WHITE LIGHT. NEW REGION 1004 (S22E73) IS THE RETURN OF OLD 981 AND IS AN H-TYPE SPOT WITH WEAK PLAGE. OTHER REGIONS ARE GENERALLY QUIET.

IB. SOLAR ACTIVITY SHOULD REMAIN MODERATE. FURTHER ENERGETIC ACTIVITY CAN BE EXPECTED FROM REGIONS 998 AND 1001.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETLED. THE FIELD IS EXPECTED TO BE GENERALLY UNSETLED THRU THE PERIOD.

III. EVENT PROBABILITIES 09 FEBRUARY - 11 FEBRUARY

CLASS M 90/90/90

CLASS X 40/40/40

PROTON 40/40/50

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 FEBRUARY 165

PREDICTED 09-11 FEBRUARY 165/165/165

90-DAY MEAN 08 FEBRUARY 109

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 FEBRUARY 05

ESTIMATED AFR/AP 08 FEBRUARY 10/10

PREDICTED AFR/AP 09-11 FEBRUARY 10/10 - 10/10 - 10/10

SOLTERWARN

BT