

HFUS 3 BOU 260530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 057A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 26 FEBRUARY 1978

IA. SOLAR ACTIVITY WAS LOW DURING THE PAST EIGHT HOURS. REGION 1011  
(N20W25) PRODUCED A IN/C2 FLARE WHICH MAXED AT 26/0125Z AND SEVERAL  
SUBFLARES. THE PLAGE IN THIS REGION IS NEAR FLARE INTENSITY. OTHER  
REGIONS HAVE BEEN GENERALLY QUIET, INCLUDING TWO NEW SPOT GROUPS  
NEAR N22W08 (REGION 1021) AND N16E35 (REGION 1022).

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

II. THE GEOMAGNETIC FIELD WAS AT ACTIVE TO MINOR STORM LEVELS  
DURING THE PAST EIGHT HOURS. THE FIELD IS EXPECTED TO BE DISTURBED  
TO MINOR STORM LEVELS DURING THE REST OF THE ZULU DAY.

III. EVENT PROBABILITIES 26 FEBRUARY - 28 FEBRUARY

CLASS M 60/60/60

CLASS X 10/15/20

PROTON 05/10/15

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 FEBRUARY 142

PREDICTED 26-28 FEBRUARY 144/147/149

90-DAY MEAN 25 FEBRUARY 117

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 FEBRUARY 02

ESTIMATED AFR/AP 25 FEBRUARY 10/09

PREDICTED AFR/AP 26-28 FEBRUARY 28/32 - 21/24 - 16/18

SOLTERWARN

BT

HFUS 3 BOU 261500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER CO

SDF NUMBER 057B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 26 FEBRUARY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST EIGHT HOURS. AT 26/0619Z  
A C-8 X-RAY BURST WAS RECORDED WITH MINOR RADIO BURSTS ALSO OBSERVED.  
NO OPTICAL DATA WAS RECEIVED HOWEVER. AT 1414Z A SUB-BRILLIANT  
FLARE FROM REGION 1011 (N18W36) PRODUCED A C-7 X-RAY EVENT. A  
SUB-NORMAL FLARE FROM REGION 1019 (S25E54) OCCURRED SIMULTANEOUSLY.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE.

II. THE GEOMAGNETIC FIELD WAS GENERALLY ACTIVE. THE FIELD IS EXPECTED  
TO BE UNSETTLED TO ACTIVE FOR THE NEXT 72 HOURS WITH PERIODS OF  
MINOR STORM CONDITIONS POSSIBLE DURING SUB-STORM ACTIVITY.

III. EVENT PROBABILITIES 26 FEBRUARY - 28 FEBRUARY

CLASS M 60/60/60

CLASS X 10/15/20

PROTON 05/10/15

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 FEBRUARY 142

PREDICTED 26-28 FEBRUARY 144/147/149

90-DAY MEAN 25 FEBRUARY 117

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 FEBRUARY 02

ESTIMATED AFR/AP 25 FEBRUARY 10/09

PREDICTED AFR/AP 26-28 FEBRUARY 28/32 - 21/24 - 16/18

SOLTERWARN

BT

HFUS 1 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 057

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 26 FEBRUARY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1011 (N22 W33) REMAINS LARGE, CONTAINS A DELTA WITH WEAK GRADIENTS AND HAS PRODUCED SEVERAL SUB-FLARES AND CLASS C X-RAY BURSTS. REGION 1015 (N40W01) HAS GROWN INTO A D TYPE GROUP WITH POINT BRIGHTENINGS AND PLAGE FLUCTUATIONS. THREE NEW REGIONS HAVE BEEN NUMBERED, 1021 (N22W20) MAY HAVE ALREADY LOST ITS SPOTS, 1022 (N15E22) IS A B TYPE GROUP WITH AN AFS AND 1023 (S29E35) IS A STABLE B TYPE GROUP.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE. REGION 1011 HAS THE GREATEST POTENTIAL FOR ENERGETIC EVENTS HOWEVER TOTAL SPOT AREA IS RATHER SMALL.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY ACTIVE. HIGH LATITUDES AND FOR SHORT PERIODS, LOW LATITUDES, HAVE BEEN AT MINOR STORM LEVELS. THE GEOMAGNETIC FIELD SHOULD BE GENERALLY ACTIVE EARLY WITH SHORT PERIODS OF MINOR STORM CONDITIONS DURING SUB-STORM ACTIVITY. THE FIELD SHOULD DECLINE TO UNSETTLED LEVELS BY THE END OF THE PERIOD.

III. EVENT PROBABILITIES 27 FEB-01 MAR 78

CLASS M 60/60/60

CLASS X 10/15/15

PROTON 10/20/25

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 FEB 138

PREDICTED 27 FEB-01 MAR 140/142/144

90-DAY MEAN 26 FEB 118

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 FEB 09

ESTIMATED AFR/AP 26 FEB 22/30

PREDICTED AFR/AP 27 FEB-01 MAR 18/22 - 14/18 - 10/12

SOLTERWARN

BT