

HFUS 3 BOU 020530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 061A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 02 MARCH 1978

IA. DESPITE SEVERAL INTERESTING AND CAPABLE ACTIVE REGIONS, THE SUN HAS BEEN RELATIVELY QUIET. THE X-RAY BACKGROUND FLUX IS AT THE C-1 LEVEL WITH FREQUENT SMALL INCREASES. REGION 1015 (N38W43) PRODUCED THE MOST ENERGETIC FLARE OF THE PAST 8 HOURS, A C-2 AT 0325Z. THE AREA NEAR 1024 (N20E66) AND 1025 (N17E71) HAS BEEN ACTIVE IN MINOR BRIGHTENINGS AND REMAINS THE BRIGHTEST ON THE DISK, HOWEVER, DUE TO LIMB PROXIMITY FEW DETAILS ARE BEING REPORTED.

IB. REGION 1015 IS A LIKELY CANDIDATE FOR MORE ACTIVITY, HOWEVER, ENERGETIC EVENTS ARE MORE PROBABLE FROM THE 1024/1025 COMPLEX.

II. THE GEOMAGNETIC FIELD AT BOULDER HAS BEEN UNSETTLED TO ACTIVE THE PAST 8 HOURS WITH THE LARGEST LOCALLY OBSERVED SUBSTORM OCCURRING AROUND 0000Z. ACTIVE CONDITIONS SHOULD CONTINUE THRU THE NIGHT SECTORS DECREASING TO GENERALLY UNSETTLED LEVELS AT THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 02 MARCH - 04 MARCH

CLASS M 25/30/40

CLASS X 01/01/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 MARCH 139

PREDICTED 02-04 MARCH 141/142/143

90-DAY MEAN 01 MARCH 120

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 FEBRUARY 32

ESTIMATED AFR/AP 01 MARCH 20/26

PREDICTED AFR/AP 02-04 MARCH 18/25 - 12/14 - 12/13

SOLTERWARN

BT

HFUS 3. BOU M21500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 061-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 02 MAR 1978

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 8 HOURS. THERE HAVE  
BEEN SEVERAL SUBFLARES FROM REGIONS 1015 (N38W48), 1011 (N19W87),  
AND 1015 (N17E66) THRU THE NIGHT. THE REST OF THE DISK/LIMB IS  
LITTLE CHANGED.

IB. SOLAR ACTIVITY SHOULD BE LOW. REGIONS 1015 AND THE COMPLEX  
1024/1025 (N18E63) ARE MOST LIKELY TO PRODUCE ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. CONDITIONS ARE EXPECTED  
TO BE UNSETLED TO ACTIVE FOR THE REMAINDER OF TODAY.

III. EVENT PROBABILITIES 02 - 04 MAR

CLASS M 25/30/40

CLASS X 01/01/05

PROTON 01/01/01

PCAF "GREEN"

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 MAR 139

PREDICTED 02 - 04 MAR 141/142/143

90-DAY MEAN 01 MAR 120

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 FEB 32

ESTIMATED AFR/AP 01 MAR 20/26

PREDICTED AFR/AP 02 - 04 MAR 15/25 - 12/14 - 12/13

SOLTERWARN

BT

HFUS 1 BOU 022200  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 061  
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 02 MAR 1978

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. REGION 1024 (N21E58) HAS SHOWN MUCH GROWTH AND IS AN E-TYPE WITH 44 SPOTS. AT 1831Z (MAX) IT PRODUCED A SN FLARE (C-6 XRAY), AND OTHER SUBFLARES AT 1954Z AND 2028Z. REGION 1015 (N38W52) HAS PRODUCED A 1B AT 1813Z (MAX) AND SEVERAL SUBFLARES THROUGH THE DAY. NEW REGION 1026 (S18W31) IS AN A-GROUP AND NEW REGION 1027 (N30E70) IS AN H-TYPE GROUP. THE BACK GROUND XRAY LEVEL HAS BEEN AT C-1 LEVEL THROUGHOUT THE DAY.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE. REGIONS 1015 AND ESPECIALLY 1024 SHOW DEVELOPING POTENTIAL WHICH COULD RESULT IN AN M-CLASS X-RAY EVENT.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TODAY. CONDITIONS SHOULD BE UNSETLED BY THE END OF TOMORROW, STAYING UNSETLED THRU THE FORECAST PERIOD.

III. EVENT PROBABILITIES 03 - 05 MAR

CLASS M 35/40/50

CLASS X 01/05/05

PROTON 01/01/01

RCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 MAR 144

PREDICTED 03 - 05 MAR 145/147/149

90-DAY MEAN 02 MAR 120

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 MAR 28

ESTIMATED AFR/AP 02 MAR 22/25

PREDICTED AFR/AP 03 - 05 MAR 12/16 - 12/14 - 09/10

SOLTERWARN

BT