

HFUS 3 BOU 140600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 104A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 14 APRIL 1978

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 8 HOURS. REGION 1073  
(N18E25) PRODUCED A SN FLARE AT 0024Z (MAX). THE REST OF THE DISK/  
LIMB IS LITTLE CHANGED.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW TO MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE FOR THE PAST 8 HOURS.  
CONDITIONS ARE EXPECTED TO REMAIN ACTIVE POSSIBLY WITH SOME PERIODS  
OF MINOR STORM ACTIVITY.

III. EVENT PROBABILITIES 14-16 APRIL

CLASS M 95/70/70

CLASS X 40/20/20

PROTON 30/30/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 APRIL 145

PREDICTED 14-16 APRIL 141/138/135

90-DAY MEAN 13 APRIL 137

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 APRIL 24

ESTIMATED AFR/AP 13 APRIL 13/19

PREDICTED AFR/AP 14-16 APRIL 30/35 - 18/25 - 12/15

SOLTERWARN

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HFUS 3 BOU 141500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SOF NUMBER 104B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 14 APRIL 1978

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. THE LARGEST EVENTS WERE SUBFLARES FROM REGION 1070 (N15E16). THESE OCCURRED AT 0841Z (C8) AND 1101Z (C6). THERE HAVE BEEN NO STRONG DEVELOPMENTAL CHANGES IN ANY OF THE DISK REGIONS.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE WITH REGIONS 1070 AND 1073 PRODUCING MOST OF THE FLARE ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN AT STORM LEVEL THIS ZULU DAY. STORM CONDITIONS WILL DIMINISH THROUGH THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 14-16 APRIL

CLASS M	95/70/70
CLASS X	40/20/20
PROTON	30/30/10
PCAF	YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED	13 APRIL 145
PREDICTED	14-16 APRIL 141/138/135
90-DAY MEAN	13 APRIL 137

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	12 APRIL 24
ESTIMATED AFR/AP	13 APRIL 13/19
PREDICTED AFR/AP	14-16 APRIL 40/50 - 18/25 - 12/15

SOLTERWARN

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HFUS 1 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 104

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 14 APRIL 1978

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. FLARE ACTIVITY HAS BEEN  
CONFINED TO C-LEVEL X-RAY EVENTS, PREDOMINANTLY FROM REGIONS 1070  
(N14W02) AND 1073 (N17E13). BOTH REGIONS CONTINUE STRUCTURAL CHANGES  
AND ARE BETA GAMMA MAGNETICALLY. REGIONS 1078 (N18E23) AND 1079  
(S2E30) HAVE BEEN ADDED TODAY; BOTH ARE SMALL AND SIMPLE IN STRUC-  
TURE. ADDITIONAL REGIONS ARE ROTATING ON TO THE DISK NEAR NE28 AND  
SE31.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW TO MODERATE WITH MOST OF  
THE ACTIVITY PRODUCED BY REGIONS 1070 AND 1073.

II. THE GEOMAGNETIC FIELD HAS BEEN AT STORM LEVEL. ACTIVE CONDITIONS,  
WITH PERIODS AT STORM LEVEL, ARE EXPECTED THROUGH THE NEXT 18 HOURS.  
THE FIELD IS THEN EXPECTED TO BE UNSETTLED TO ACTIVE.

III. EVENT PROBABILITIES 15-17 APR

CLASS M 70/70/70

CLASS X 10/10/10

PROTON 10/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 APRIL 138

PREDICTED 15-17 APRIL 134/132/132

90-DAY MEAN 14 APR 138

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 APR 22

ESTIMATED AFR/AP 14 APR 34/55

PREDICTED AFR/AP 15-17 APR 20/25 - 12/20 - 12/15

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