

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
(N 18E 25) 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

BT

HFUS 3 BOU 141500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF 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

ESTIMATED AFR/AP

PREDICTED AFR/AP

SOLTERWARN

BT

12 APRIL 24

13 APRIL 13/19

14-16 APRIL 40/50 - 18/25 - 12/15

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 STRUCTURE. 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

SOLTERWARN

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