

HFUS 3 BOU 100530
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 100A
JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 10 APRIL 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE. AT 10/0224Z AN M-1 EVENT
WAS OBSERVED. HOWEVER NO OPTICAL REPORTS WERE RECEIVED. OTHER
EVENTS HAVE BEEN LIMITED TO CLASS C X-RAY BURST. NO SIGNIFICANT
CHANGE HAS BEEN NOTED IN DISK REGIONS.

IB. SOLAR ACTIVITY SHOULD REMAIN MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE FIELD IS EXPECTED
TO BECOME DISTURBED WITHIN THE NEXT EIGHT HOURS WITH ACTIVE TO
MINOR STORM LEVEL EXPECTED.

III. EVENT PROBABILITIES 10 APRIL - 12 APRIL

CLASS M 90/95/95

CLASS X 40/40/40

PROTON 40/40/40

FCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 APRIL 156

PREDICTED 10-12 APRIL 158/160/162

90-DAY MEAN 09 APRIL 135

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 APRIL 04

ESTIMATED AFR/AP 09 APRIL 06/07

PREDICTED AFR/AP 10-12 APRIL 25/25 - 30/30 - 25/25

SOLTERWARN

BT

HFUS

3.BOU 101500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 100B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 10 APRIL 1978

IA. SOLAR ACTIVITY CONTINUES AT A MODERATE LEVEL. THE
LARGEST EVENT DURING THE PAST 8 HOURS WAS A M-9 AT 10/1051 U.T.
CLOUDS PREVENTED OPTICAL CORRELATION. THIS FLARE HAD A 200
FLUX UNIT BURST AT 2695 MHZ AND SWF AS HIGH AS 18 MHZ. BRIEF
GLIMPSES OF THE DISK INDICATE THAT REGION 1057 (N20W42) IS IN A
DECLINING PHASE AND 1062 (S27W17) CONTINUES TO GROW.

IB. SOLAR ACTIVITY WILL REMAIN AT A MODERATE LEVEL.

I. THE GEOMAGNETIC FIELD IS QUIET TO OCCASIONALLY UNSETTLED
UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED LATER TODAY.

III. EVENT PROBABILITIES 10 APRIL - 12 APRIL

CLASS M 95/95/95

CLASS X 40/40/40

PROTON 40/40/40

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 APRIL 156

PREDICTED 10-12 APRIL 158/160/162

90-DAY MEAN 09 APRIL 135

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 APRIL 04

ESTIMATED AFR/AP 09 APRIL 06/07

PREDICTED AFR/AP 10-12 APRIL 17/25 - 30/30 - 25/25

SOLTERWARN

BT

HFUSL1 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 100

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 10 APRIL 1978

IA. SOLAR ACTIVITY IS AT A MODERATE LEVEL. THE 1-8 ANGSTROM X-RAY BACKGROUND IS AT C-2 LEVEL. REGION 1070 (N16E57) IS REPORTEDLY THE MOST DYNAMIC REGION ON THE DISK. FLUCTUATIONS POINT BRIGHTENINGS AND SURGE ACTIVITY HAS CHARACTERIZED THIS REGIONS BEHAVIOR MOST OF THE DAY. REGION 1062 (S27W22) IS ALSO DYNAMIC AS IT IS FLUCTUATING IN BRIGHTNESS, HAS A STRONG ARCH FILAMENT SYSTEM AND ITS TRAILING PORTIONS ARE DEVELOPING. REGION 1057 (N21W48) HAS PRODUCED SEVERAL SMALL FLARES BUT IT IS APPARENTLY DECAYING VERY SLOWLY. A NEW REGION 1073 (N20E67) HAS ROTATED ONTO THE DISK IMMEDIATELY BEHIND REGION 1070. SEVERAL CLASS M X-RAY BURST HAVE BEEN OBSERVED DURING THE PAST 24 HOURS WITH THE LARGEST BEING AN M-9 AT 10/1051 U.T.

IB. SOLAR ACTIVITY WILL CONTINUE AT A MODERATE LEVEL.

II. THE GEOMAGNETIC FIELD IS UNSETLED. UNSETLED TO ACTIVE CONDITIONS WITH OCCASIONAL MINOR STORM CONDITIONS ARE EXPECTED DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 11-13 APRIL

CLASS M 95/95/95

CLASS X 40/40/40

PROTON 40/40/40

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 APR 155

PREDICTED 11-13 APR 156/156/156

90-DAY MEAN 10 APR 135

V. GEOMAGNETIC A-F INDICES

OBSERVED FREDERICKSBURG 09 APR 06

ESTIMATED AFR/AP 10 APR 17/20

PREDICTED AFR/AP 11-13 APR 30/30 - 25/25 - 18/20

SOLTERWARN

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