

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

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 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

HFUS 1 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 UNSETTLED. UNSETTLED 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 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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