

HFUS 3 BOU 180530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 108A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 18 APRIL 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE THE PAST EIGHT HOURS. AT  
18/0114Z REGION 1070 (N17W51) PRODUCED A ONE-BRIGHT CLASS M-2  
FLARE. MINOR RADIO BURSTS ACCOMPANIED THE FLARE WHICH WAS THE  
ONLY SIGNIFICANT EVENT OF THE PERIOD.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW TO MODERATE.

II. THE GEOMAGNETIC FIELD BECAME DISTURBED ABOUT 18/0200Z. HIGH  
LATITUDE NIGHTTIME AREAS HAVE OBSERVED MINOR STORM LEVELS. THE  
FIELD IS EXPECTED TO REMAIN DISTURBED THRU THE NIGHT WITH MAJOR  
STORM LEVELS AT HIGH LATITUDES EXPECTED.

III. EVENT PROBABILITIES 18 APRIL - 20 APRIL

CLASS M 30/20/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 APRIL 132

PREDICTED 18-20 APRIL 130/128/126

90-DAY MEAN 17 APRIL 139

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 APRIL 08

ESTIMATED AFR/AP 17 APRIL 05/07

PREDICTED AFR/AP 18-20 APRIL 15/15 - 07/07 - 07/07

SOLTERWARN

BT

HFUS 1 BOU 181500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 108-B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 18 APR 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1070 (N15W53) HAS SHOWN  
SOME GROWTH IN PENUMBA. REGION 1084 (S32E37) IS GROWING AND NOW A  
D-TYPE GROUP. REGION 1082 (S31E43) HAD A SN FLARE (C-1 X-RAY) AT  
0813Z (MAX) AND IS GROWING. THE REST OF THE DISK/LIMB IS LITTLE  
CHANGED.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. GENERALLY QUIET TO UN-  
SETTLED CONDITIONS ARE EXPECTED FOR THE REST OF TODAY.

III. EVENT PROBABILITIES 18 - 20 APR

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 APR 132

PREDICTED 18 - 20 APR 130/128/126

90-DAY MEAN 17 APR 139

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 APR 08

ESTIMATED AFR/AP 17 APR 05/07

PREDICTED AFR/AP 18 - 20 APR 15/15 - 07/07 - 07/07

SOLTERWARN

BT

HFUS 1 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 108

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 18 APRIL 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE. REGION 1070 (N15W56) NOW HAS A BETA-GAMMA DELTA MAGNETIC CONFIGURATION. IT HAD A 2-B FLARE (M-2 X-RAY) AT 0114Z (MAX), AND A SF AT 0313Z (MAX). REGION 1084 (S30E33) HAS BECOME A C-TYPE REGION WITH 23 SPOTS AND MAY HAVE A DELTA CONFIGURATION. IT HAD A SN FLARE AT 2037Z (MAX). NEW REGION 1086 (N21E48) IS A B-TYPE GROUP WITH 3 SPOTS. REGION 1083 HAS NO SPOTS. THE REST OF THE DISK/LIMB IS LITTLE CHANGED.

IB. SOLAR ACTIVITY SHOULD BE MODERATE. REGION 1070 AND 1084 SHOW THE POSSIBILITY OF A MAJOR FLARE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TODAY. CONDITIONS ARE EXPECTED TO BE QUIET FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 19 APRIL - 21 APRIL

CLASS M 50/60/60

CLASS X 30/30/30

PROTON 20/20/20

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 APRIL 133

PREDICTED 19-21 APRIL 132/131/130

90-DAY MEAN 18 APRIL 140

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 APRIL 06

ESTIMATED AFR/AP 18 APRIL 12/18

PREDICTED AFR/AP 19-21 APRIL 07/18 - 07/10 - 15/10

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