

HFUS 3 BOU 150530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO.

SDF NUMBER 074A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 15 MARCH 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE FOR THE PAST 8 HOURS. NEW  
REGION 1035 (N18E68) HAS PRODUCED SEVERAL C-CLASS SUBFLARES.  
THOUGH THE REGION IS FAIRLY SMALL, IT IS REPORTED TO BE GROWING  
RAPIDLY. ABOUT 15/0430Z A SLOW-RISING X-RAY EVENT WAS NOTED WITH  
A MAXIMUM AT C6 LEVELS ABOUT 0450Z. THIS EVENT IS NOT ASSOCIATED  
WITH DISK OPTICAL ACTIVITY, AND MAY SIGNAL THE ARRIVAL OF A STRONG  
ACTIVE REGION AT THE EAST LIMB.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE MODERATE. MOST OF THE  
FLARE ACTIVITY SHOULD BE PRODUCED IN REGION 1035. THIS ACTIVITY  
WILL PROBABLY BE CONFINED TO C-CLASS SUBFLARE ACTIVITY AS LONG  
AS REGION 1035 CONTINUES ITS GROWTH.

II. THE GEOMAGNETIC FIELD WAS UNSETLED UNTIL ABOUT 15/0420Z WHEN  
A SUBSTORM BEGAN. THE MAGNETIC BAY ASSOCIATED WITH THIS SUBSTORM  
PRODUCED A K-VALUE OF 4 AT MID-LATITUDES. DESPITE THIS CURRENT  
ACTIVITY, THE FIELD IS EXPECTED TO BE GENERALLY UNSETLED FOR THE  
NEXT 72 HOURS.

III. EVENT PROBABILITIES 15 MARCH - 17 MARCH

CLASS M 35/35/35

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 MARCH 162

PREDICTED 15-17 MARCH 163/163/163

90-DAY MEAN 14 MARCH 128

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 13 MARCH 09

ESTIMATED AFR/AP 14 MARCH 10/12

PREDICTED AFR/AP 15-17 MARCH 10/10 - 10/10 - 10/10

SOLTERWARN

BT

HFUS 3 BOU 151500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 074-B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 15 MAR 1978

IA. SOLAR ACTIVITY WAS LOW THE PAST EIGHT HOURS. THE MOST SIGNIFICANT EVENT WAS A 1B FLARE WITH A CLASS C-7 X-RAY BURST WITH A MAX TIME OF 15/1246Z. REGION 1035 (N 19E 64) PRODUCED THE FLARE WHICH CAUSED SHORT WAVE FADES ON FREQUENCIES UP TO 15 MHZ. OTHER X-RAY BURST RECORDED BUT WITHOUT OPTICAL CONFIRMATION FOLLOW; C-3 AT 0522Z, C-1 AT 0654Z AND A C-6 AT 1016Z.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW TO MODERATE.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE. GENERALLY UNSETTLED CONDITIONS MAY BE EXPECTED.

III. EVENT PROBABILITIES 15 MARCH - 17 MARCH

CLASS M 35/35/35

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 MARCH 162

PREDICTED 15-17 MARCH 163/163/163

90-DAY MEAN 14 MARCH 128

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 MARCH 09

ESTIMATED AFR/AP 14 MARCH 10/12

PREDICTED AFR/AP 15-17 MARCH 10/10 - 10/10 - 10/10

SOLTERWARN

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HFUS 1 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 074

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 15 MAR 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. SUB-FLARES HAVE BEEN REPORTED  
FROM REGIONS 1029 (N 16W29), 1031 (S29E06), 1032 (S33E19) AND  
1035 (N 19E60). THE MOST IMPORTANT EVENT WAS THE 1B/C-7 FROM  
REGION 1035 AT 15/1246Z. REGIONS 1031/1032 SEEM NOW TO BE ONE LARGE  
REGION. OTHER REGIONS ARE STABLE.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW. OLD REGION 1011 IS DUE  
BACK ON THE NE LIMB WITHIN THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED WITH SHORT PERIODS OF  
ACTIVE CONDITIONS. GENERALLY UNSETTLED CONDITIONS SHOULD CONTINUE  
THRU THE PERIOD.

III. EVENT PROBABILITIES 16 - 18 MAR

CLASS M 40/40/50

CLASS X 01/01/05

PROTON 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM. FLUX

OBSERVED 15 MAR 156

PREDICTED 16 - 18 MAR 152/148/147

90-DAY MEAN 15 MAR 129

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 MAR 11

ESTIMATED AFR/AP 15 MAR 12/17

PREDICTED AFR/AP 16 - 18 MAR 10/10 - 10/12 - 10/12

SOLTERWARN

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