

HFUS 3 BOU 160600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 106A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 16 APRIL 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. NO CHANGE IN THE DISK OR LIMBS.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED, AND SHOULD  
REMAIN THIS WAY FOR THE REST OF TODAY

III. EVENT PROBABILITIES 16-18 APRIL

CLASS M 70/70/70

CLASS X 10/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 APR 140

PREDICTED 16-18 APR 138/136/136

90-DAY MEAN 15 APR 138

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 APR 31

ESTIMATED AFR/AP 15 APR 14/21

PREDICTED AFR/AP 16-18 APR 12/18 - 12/15 - 14/18

SOLTERWARN

BT

HFUS 3 BOU 161500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 1068

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 16 APRIL 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 17 HOURS. SEVERAL C-CLASS SUBFLARES HAVE BEEN REPORTED AS WELL AS ONE M-CLASS FLARE, AN M1/SB WITH A MAXIMUM AT 16/0921Z. WHENEVER OPTICAL REPORTS WERE AVAILABLE, X-RAY ACTIVITY WAS ASSOCIATED WITH SUBFLARES IN REGION 1070 (N14W25). THE M1 EVENT CAUSED STRONG SHORT WAVE FADES FROM 9 TO 18 MHZ.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE MODERATE WITH OCCASIONAL SMALL M-CLASS FLARES FROM REGION 1070 AND THE USUAL ACCOMPANYING GEOPHYSICAL RESPONSES.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO QUIET DURING THE PAST 17 HOURS. THE FIELD IS EXPECTED TO BE MILDLY UNSETTLED TO QUIET DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 16 APRIL-18 APRIL

CLASS M 70/70/70

CLASS X 10/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 APRIL 140

PREDICTED 16-18 APRIL 138/136/136

90-DAY MEAN 15 APRIL 138

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 APRIL 31

ESTIMATED AFR/AP 15 APRIL 14/21

PREDICTED AFR/AP 16-18 APRIL 7/8 - 7/8 - 7/8

SOLTERWARN

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HFUS 1 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 106

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 16 APRIL 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE TO LOW DURING THE PAST 24 HOURS  
ALMOST ALL OF THE FLARES OBSERVED WERE C-CLASS SUBFLARES. HOWEVER,  
AN M1/SB FLARE OCCURRED IN REGION 1070 (N14W29) WITH A MAXIMUM AT  
16/0921Z. THIS EVENT WAS ACCOMPANIED BY MODERATE TO STRONG SHORT-  
WAVE FADEOUTS AND SMALL RADIO BURSTS AT CENTIMETRIC WAVELENGTHS.  
SEVERAL OTHER REGIONS PRODUCED ISOLATED SMALL SUBFLARES.

IB. REGION 1070 IS A PROVEN X-RAY PRODUCER, BUT IT HAS EVIDENTLY  
STABILIZED NOW. ENERGETIC ACTIVITY SHOULD BECOME LESS FREQUENT UN-  
LESS 1070 BEGINS TO DISINTEGRATE RAPIDLY. OTHER REGIONS ARE EX-  
PECTED TO CONTINUE RELATIVELY STABLE.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY UNSETTLED TO QUIET  
FOR THE LAST 24 HOURS. THE FIELD IS EXPECTED TO BE GENERALLY UNSET-  
TLED TO MILDLY ACTIVE UNTIL 19 APRIL WHEN QUIETER CONDITIONS ARE  
EXPECTED.

III. EVENT PROBABILITIES 17 APRIL - 19 APRIL 1978

CLASS M 60/50/40

CLASS X 10/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 APRIL 137

PREDICTED 17-19 APRIL 134/132/132

90-DAY MEAN 16 APRIL 139

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 APRIL 15

ESTIMATED AFR/AP 16 APRIL 07/09

PREDICTED AFR/AP 17-19 APRIL 16/18 - 13/15 - 09/10

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