

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 UNSETLED, 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 19 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 106B

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 UNSETLED TO QUIET DURING THE PAST 17 HOURS. THE FIELD IS EXPECTED TO BE MILDLY UNSETLED 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 ACCCOMPANIED 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 UNLESS 1070 BEGINS TO DISINTEGRATE RAPIDLY. OTHER REGIONS ARE EXPECTED TO CONTINUE RELATIVELY STABLE.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY UNSETLED TO QUIET FOR THE LAST 24 HOURS. THE FIELD IS EXPECTED TO BE GENERALLY UNSETLED 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
SOLTERWARN	

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