

HFUS 3 BOU 150600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 105A

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

IA. SOLAR ACTIVITY HAS BEEN MODERATE FOR THE PAST 8 HOURS. REGIONS 1057 WHICH PASSED BEYOND THE NW LIMB PRODUCED A 1B FLARE (M-2 XRAY) AT NW20 AT 2247Z (MAX). A LOOP-SHAPED ASR DEVELOPED IN THAT AREA. REGION 1070 (N14W06) IS STILL DEVELOPING WITH GRADIENTS INCREASING. THE REST OF THE DISK/LIMB IS LITTLE CHANGED.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE. REGIONS 1070 AND 1073 (N17E09) HAVE COMPLEXITY SUFFICIENT TO PRODUCE SOME LARGE ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO SLIGHTLY ACTIVE FOR THE PAST 8 HOURS, AND SHOULD REMAIN SO FOR THE REST OF TODAY.

III. EVENT PROBABILITIES 15-17 APRIL

CLASS M 70/70/70

CLASS X 10/10/10

PROTON 10/05/05

PCAF GREEN

IV. OTTAWA - 10.7 CM FLUX

OBSERVED 14 APRIL 138

PREDICTED 15-17 APRIL 134/132/132

90-DAY MEAN 14 APRIL 138

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 APR 22

ESTIMATED AFR/AP 14 APR 34/51

PREDICTED AFR/AP 15-17 PAR 20/29 - 12/20 - 12/15

SOLTERWARN

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HFUS 3 BOU 151500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 105-B

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

IA. SOLAR ACTIVITY HAS BEEN MODERATE. REGION 1057 (BEYOND WEST LIMB)
PRODUCED AN M2/LIMB FLARE AT 14/2247Z. REGION 1070 (N 14W 10) PRO-
DUCED A SN/M1 FLARE AT 15/0815Z. ADDITIONALLY A C-8 X-RAY EVENT OCC-
URRED AT 15/0628Z. ALL THREE OF THESE EVENTS PRODUCED IMP2-3 SWF
FROM 9-18 MHZ AND CENTIMETRIC BURSTS. REGIONS 1073 (N 17E 05) AND
1074 (S 44E 30) HAVE ALSO FLARED.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW TO MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE THIS ZULU DAY. GENERALLY
ACTIVE CONDITIONS ARE EXPECTED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 15 - 17 APRIL

CLASS M 70/70/70

CLASS X 10/10/10

PROTON 10/05/05

RCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 APRIL 138

PREDICTED 15-17 APRIL 134/132/132

90-DAY MEAN 14 APRIL 138

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 APR 22

ESTIMATED AFR/AP 14 APR 34/51

PREDICTED AFR/AP 15-17 PAR 20/25 - 12/20 - 12/15

SOLTERWARN

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MFUS 1 BOUL 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 105

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

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. FLARES HAVE OCCURRED IN REGIONS 1070 (N14W16), 1073 (N17E01), 1074 (S43E28), 1075 (N19W27) AND 1081 (N17E65). THE LARGEST FLARES, IN/C8 AT 0634Z AND SN/M1 AT 0814Z, OCCURRED IN REGION 1070. THIS REGION HAS DEVELOPED ISOLATED POLES AND INCREASED MAGNETIC GRADIENTS. REGIONS 1080 (N32E61), 1081, AND 1082 (S31E74) HAVE BEEN ADDED TODAY.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE WITH THE MOST ENERGETIC ACTIVITY FROM REGION 1070.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TO UNSETTLED. THE FIELD IS EXPECTED TO BE UNSETTLED, WITH PERIODS ACTIVE, THROUGH 18 APR

III. EVENT PROBABILITIES 16 - 18 APR

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 14/25

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

SOLTERWARN

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