

US 3 BOU 040600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER CO

DF NUMBER 063A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 4 MAR 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 8 HOURS. REGION 1024 (N17E44) PRODUCED AN M1/IN FLARE AT 040034 U.T. SEVERAL OTHER REGIONS HAVE PRODUCED LOW ENERGY EVENTS AND AT LEAST ONE OF THESE WAS APPARENTLY OPTICALLY IMPRESSIVE; A C7 EVENT NEAR 040235 U.T. WAS CLASSED BY SEVERAL OBSERVATORIES RANGING FROM IMPORTANCE 1F TO IMPORTANCE 2N. NO SIGNIFICANT STRUCTURAL CHANGES IN THE VISIBLE REGIONS HAVE BEEN REPORTED.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE DURING THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD IS QUIET. QUIET TO UNSETTLED CONDITIONS ARE EXPECTED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 04-06 MAR

CLASS M 40/50/50

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 MAR 149

PREDICTED 04-06 MAR 151/152/153

90-DAY MEAN 03 MAR 121

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 02 MAR 20

ESTIMATED AFR/AP 03 MAR 12/15

PREDICTED AFR/AP 04-06 MAR 12/15 - 10/15 - 08/08

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HFUS 3 BOU 041500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 063-B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 04 MAR 1978

IA. SOLAR ACTIVITY WAS MODERATE DURING THE PAST 8 HOURS. REGIONS 1024 (N17E37) AND 1015 (N19W71) PRODUCED FLARES ALMOST SIMULTANEOUSLY RESULTING IN A SLOW-RISING LONG-LASTING M1 X-RAY EVENT. THE OPTICAL FLARES WERE A 1IN (MAXIMUM ABOUT 04/1231Z) AND A 1B (MAXIMUM AT 041248Z) FROM 1024 AND 1015, RESPECTIVELY. OTHERWISE, THE DISK AND LIMBS REMAIN QUIET. OLD REGION 1001 HAS APPARENTLY RETURNED AS A BENIGN H-CLASS SPOT AT (N17E79).

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE DURING THE NEXT 24 HOURS. FURTHER GROWTH IN REGION 1024 PROMISES TO KEEP ACTIVITY LEVELS UP.

II. THE GEOMAGNETIC FIELD BECAME VERY QUIET WITH THE BEGINNING OF THE NEW U.T. DAY. THE FIELD IS EXPECTED TO REMAIN GENERALLY QUIET DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 04 - 06 MAR

CLASS M 40/50/50

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 MAR 149

PREDICTED 04 - 06 MAR 151/152/153

90-DAY MEAN 03 MAR 121

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 02 MAR 20

ESTIMATED AFR/AP 03 MAR 12/15

PREDICTED AFR/AP 04 - 06 MAR 03/05 - 05/06 - 07/08

SOLTERWARN

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HFUS 1 BOU 042200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 063

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 04 MAR 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS. REGION 1024 (N20E31), A BETA-GAMMA GROUP WHICH IS STILL GROWING, PRODUCED A 1N/M1 FLARE (MAXIMUM AT 04/0054Z) AND A 1B/M1 FLARE (MAXIMUM AT 04/1243Z). THIS SECOND FLARE WAS CONCURRENT WITH A 1N FLARE IN REGION 1015 (N36W88). THE SLOW-RISING LONG-LIVED M1 X-RAY EVENT OBSERVED DURING THE SIMULTANEOUS FLARES IN REGIONS 1024 AND 1015 LEADS TO THE SUSPICION THAT THE TWO REGIONS MAY BE INFLUENCING EACH OTHER, THOUGH THEY ARE FAR APART ON THE SUN. REGION 1027 (N29E44) PRODUCED A 1N/C7 FLARE (MAXIMUM AT 04/0249Z) OTHER DISK REGIONS AND THE LIMBS HAVE BEEN QUIET. OLD REGION 1001 HAS RETURNED TO THE DISK AS REGION 1028 (N16E70).

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE DURING THE NEXT 24 HOURS. FURTHER GROWTH IN REGION 1024 IS EXPECTED TO KEEP ACTIVITY LEVELS UP.

II. THE GEOMAGNETIC FIELD BECAME VERY QUIET WITH THE BEGINNING OF THE NEW U.T. DAY. THE FIELD IS EXPECTED TO BE GENERALLY QUIET FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 05 - 07 MAR 1978

CLASS M 50/50/50

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 MAR 151

PREDICTED 05 - 07 MAR 154/154/154

90-DAY MEAN 04 MAR 121

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 MAR 13

ESTIMATED AFR/AP 04 MAR 02/05

PREDICTED AFR/AP 05 - 07 MAR 04/05 - 07/08 - 09/10

SOLTERWARN

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