

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 M1/1N 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 CLASSIFIED BY SEVERAL OBSERVATORIES RANGING FROM IMPORTANCE IF 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
SOLTERWARN
BT

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 1N (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

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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 IN/M1 FLARE (MAXIMUM AT 04/0054Z) AND A IB/M1 FLARE
(MAXIMUM AT 04/1243Z). THIS SECOND FLARE WAS CONCURRENT WITH A
IN 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 IN/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

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