

HFUS 3 BOU 210530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 080A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 21 MARCH 1978

I A. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL WITH NO SIGNIFICANT
CHANGES NOTED IN ACTIVE REGIONS. NEW REGION 1040 (N 14E 75) IS NOW
CONFIRMED.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETLED THE PAST 8
HOURS AND IS EXPECTED TO REMAIN SO THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 21 MARCH - 23 MARCH

CLASS M 15/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 MARCH 126

PREDICTED 21-23 MARCH 126/128/128

90-DAY MEAN 20 MARCH 131

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 19 MARCH 14

ESTIMATED AFR/AP 20 MARCH 05/08

PREDICTED AFR/AP 21-23 MARCH 08/08 - 05/08 - 08/08

SOLTERWARN

BT

HFUS 3 BOU 211500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 080-B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 21 MAR 1978

IA. SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 8 HOURS.
ONE SUBFLARE WAS NOTED IN REGION 1035 (N19W09) AT 211300 UT. ONE
C-CLASS X-RAY EVENT WAS ALSO OBSERVED. IT WAS A CLASS C-2 ASSOCIATED
WITH A SUBFAINT FLARE IN REGION 1040 (N14E70) AT 210023 U.T. A
SMALL SPOT GROUP HAS FORMED NEAR N10W08. IT IS NOW A "B" TYPE SPOT
GROUP AND IS NUMBER 1041. ANOTHER REGION, 1042 (N36E74), ROTATED OVER
THE LIMB AND HAS A SMALL H TYPE SPOT GROUP.

IB. SOLAR ACTIVITY WILL BE AT A VERY LOW LEVEL FOR THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD IS QUIET TO OCCASIONALLY UNSETTLED. NO
SIGNIFICANT CHANGES EXPECTED.

III. EVENT PROBABILITIES 21 - 23 MAR

CLASS M 15/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 MAR 126

PREDICTED 21 - 23 MAR 126/128/128

90-DAY MEAN 20 MAR 131

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 19 MAR 14

ESTIMATED AFR/AP 20 MAR 25/08

PREDICTED AFR/AP 21 - 23 MAR 08/08 - 05/08 - 08/08

SOLTERWARN

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HFUS 1 BOU 212200 21 MAR 1978
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 080
JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 21 MAR 1978

IA. SOLAR ACTIVITY HAS BEEN AT A VERY LOW LEVEL WITH ONLY A FEW SUB-
FLARES BEING REPORTED. THE PAST 24 HOURS SAW THE APPEARANCE OF 3
NEW REGIONS. REGION 1040 (N15E71) ROTATED ONTO THE DISK LATE ON
20 MARCH, REGION 1041 (N11W11) WAS BORN ON THE DISK EARLY ON 21 MARCH
AND REGION 1042 (N37E78) ROTATED ONTO THE DISK EARLY ON 21 MARCH.
ALL OF THESE REGIONS APPEAR SIMPLE IN STRUCTURE SO FAR.

IB. SOLAR ACTIVITY WILL BE AT A VERY LOW LEVEL FOR THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD IS QUIET. GENERALLY QUIET CONDITIONS SHOULD
PERSIST FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 22 - 24 MAR

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 MAR 119

PREDICTED 22 - 24 MAR 120/120/122

90-DAY MEAN 21 MAR 131

V. GEOMAGNETIC A-F INDICES

OBSERVED FREDERICKSBURG 20 MAR 07

ESTIMATED AFR/AP 21 MAR 08/09

PREDICTED AFR/AP 22 - 24 MAR 05/06 - 08/08 - 08/10

SOLTERWARN

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