

HFUS 3 BOU 170600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 076A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 17 MARCH 1978

I A. SOLAR ACTIVITY HAS BEEN VERY LOW. NO OPTICAL OR X-RAY EVENTS
HAVE BEEN REPORTED. APR IN REGION NEAR NE 16 MAY BE ASSOCIATED WITH
OLD REGION 1011. OTHER REGIONS ARE STABLE.

I B. SOLAR ACTIVITY SHOULD REMAIN LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE AT MID-LATITUDES AND AT
MINOR STORM LEVELS AT HIGH LATITUDES THE PAST EIGHT HOURS. THE FIELD
IS EXPECTED TO RETURN TO GENERALLY UNSETTLED LEVELS.

III. EVENT PROBABILITIES 17 - 19 MAR

CLASS M 40/30/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 MAR 138

PREDICTED 17 - 19 MAR 134/131/129

90-DAY MEAN 16 MAR 129

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 15 MAR 13

ESTIMATED AFR/AP 16 MAR 14/23

PREDICTED AFR/AP 17 - 19 MAR 18/25 - 10/12 - 10/14

SOLTERWARN

BT

HFUS 3 BOU 171500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO
SDF NUMBER 076B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 17 MARCH 1978

IA. SOLAR ACTIVITY HAS BEEN AT A VERY LOW LEVEL DURING THE PAST 8 HOURS. ONE SUBFLARE FROM REGION 1035 (N20E41) IS THE ONLY FLARE REPORT RECEIVED. CLOUDS HAVE HAMPERED OBSERVATIONS AT MOST OBSERVATORIES BUT RADIO AND X-RAY DATA SHOW THAT THE DISK HAS BEEN QUIET.

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

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE.
GENERALLY UNSETLED CONDITIONS SHOULD PREVAIL FOR THE COMING 24 HOURS.

III. EVENT PROBABILITIES 17 - 19 MAR

CLASS M 40/30/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 MAR 138

PREDICTED 17 - 19 MAR 134/131/129

90-DAY MEAN 16 MAR 129

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 MAR 13

ESTIMATED AFR/AP 16 MAR 14/23

PREDICTED AFR/AP 17 - 19 MAR 18/25 - 10/12 - 10/14

SOLTERWARN

BT

HFUS 1 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 076

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 17 MARCH 1978

IA. SOLAR ACTIVITY HAS BEEN AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. REGION NUMBER 1035 (N18E30) PRODUCED TWO LOW ENERGY SUBFLARES WHILE THE REST OF THE DISK FEATURES REMAINED QUIET. A NEW H-TYPE SPOT GROUP ROTATED ONTO THE DISK NEAR N20E70 AND IS NUMBER 1036. A SMALL A-TYPE SPOT GROUP DEVELOPED NEAR N28W32 AND IS NUMBER 1037. REGION NUMBER 1032 HAS BEEN DROPPED AS IT IS APPARENT FROM MAGNETIC DATA THAT IT IS THE TRAILING PORTIONS OF REGION 1031.

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

II. THE GEOMAGNETIC FIELD IS OCCASIONALLY ACTIVE. GENERALLY UNSETTLED CONDITIONS ARE EXPECTED DURING THE NEXT 24 HOURS

III. EVENT PROBABILITIES 18-20 MAR

CLASS M .35/25/20

CLASS X .01/01/01

PROTON .01/01/01

PCAF . GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 MAR 136

PREDICTED 18-20 MAR 132/129/128

90-DAY MEAN . 17 MAR 130

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 16 MAR 18

ESTIMATED AFR/AP . 17 MAR 16/29

PREDICTED AFR/AP . 18-20 MAR 10/14 - 10/10 - 08/08

SOLIERWARN

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