

HFUS 3 BOU 100600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 069A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 10 MARCH 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1029 (N16E42) PRODUCED A
IN FLARE AT 0109Z (MAX). THE REST OF THE DISK/LIMB IS LITTLE CHANGED

IB. SOLAR ACTIVITY SHOULD BE MODERATE. WHATEVER REGION TURNS UP
EAST OF REGION 1031 WILL BEAR WATCHING.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 8 HOURS.
QUIET TO UNSETTLED CONDITIONS ARE EXPECTED FOR THE REST OF TODAY

III. EVENT PROBABILITIES 10-12 MAR

CLASS M 60/80/80

CLASS X 05/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 MARCH 186

PREDICTED 10-12 MARCH 185/185/187

90-DAY MEAN 09 MARCH 125

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 MAR 12

ESTIMATED AFR/AP 09 MAR 12/15

PREDICTED AFR/AP 10-12 MAR 09/10 - 08/10 - 08/10

SOLTERWARN

BT

HFUS 3 BOU 101500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 069-B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 10 MAR 1978

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. SEVERAL LOW LEVEL CLASS C EVENTS OCCURRED THIS ZULU DAY PRIOR TO AN M1 X-RAY BURST AT 1056Z (MAX). NO OPTICAL OBSERVATION WAS RECEIVED FOR THIS EVENT. SHORT WAVE FADE (SWF) THROUGH 18 MHZ OCCURRED. THE LOW LEVEL C EVENTS THAT HAVE OCCURRED WITH REPORTED OPTICAL FLARES HAVE OCCURRED IN REGION 1029 (N16E38). ANOTHER MODERATE SIZED SPOT HAS CROSSED THE LIMB AT S32. AT THIS TIME IT IS DIFFICULT TO TELL IF THIS IS A SEPARATE REGION OR A PART OF REGION 1031 (S29E72).

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE.

II. THE GEOMAGNETIC FIELD HAD BEEN UNSETTLED, BECOMING ACTIVE AFTER 0700Z. THE FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 10-12 MAR

CLASS M 60/80/80

CLASS X 05/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 MARCH 186

PREDICTED 10-12 MARCH 185/185/187

90-DAY MEAN 09 MARCH 125

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 MAR 12

ESTIMATED AFR/AP 09 MAR 12/15

PREDICTED AFR/AP 10-12 MAR 12/10 - 08/10 - 08/10

SOLTERWARN

BT

HFUS 1 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 069

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 10 MAR 1978

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. OPTICAL FLARES HAVE BEEN REPORTED FROM REGIONS 1027 (N27W34), 1028 (N15W06), 1029 (N15E36), AND 1031 (S30E71). ONLY LOW LEVEL CLASS C X-RAY BURSTS HAVE ACCOMPANIED THESE FLARES. THE LARGEST EVENT WAS AN M1 X-RAY BURST AT 1056Z (MAX). NO OPTICAL OBSERVATION WAS RECEIVED FOR THIS EVENT. SHORT WAVE FADE (SWF) THROUGH 18 MHZ OCCURRED. SPOTS CONTINUE TO ROTATE AROUND THE SE LIMB. THE STRUCTURE OF REGION 1031 AND 1032 (S34E85) IS STILL DIFFICULT TO ANALYZE DUE TO LIMB PROXIMITY

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

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE. THE FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE 11 MARCH WITH GENERALLY UNSETTLED CONDITIONS ON 12-13 MARCH.

III. EVENT PROBABILITIES 11 - 13 MAR

CLASS M 80/80/80

CLASS X 10/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 MAR 180

PREDICTED 11 - 13 MAR 178/176/174

90-DAY MEAN 10 MAR 126

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 09 MAR 14

ESTIMATED AFR/AP 10 MAR 13/20

PREDICTED AFR/AP 11 - 13 MAR 10/14 - 08/12 - 08/10

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