

HFUS 3 BOU 090530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 068A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 09 MARCH 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. BACKGROUND X-RAY FLUX LEVELS
(1-8 ANGSTROM) REMAIN JUST BELOW C-LEVEL THRESHOLD. BOTH REGIONS
1028 (N16E30) AND 1030 (S03E61) HAD SF FLARES AT 2213Z. THE REST
OF THE DISK/LIMB IS LITTLE CHANGED.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW. HOWEVER REGION 1029 (N16E55)
STILL MAINTAINS THE POSSIBILITY OF CLASS M EVENTS.

II. THE GEOMAGNETIC DISTURBANCE THAT BEGAN 08/1450Z HAS ENDED
CONDITIONS FOR TOMORROW SHOULD BE MAINLY UNSETLED.

III. EVENT PROBABILITIES 09 MARCH - 11 MARCH

CLASS M 40/40/40

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 MARCH 171

PREDICTED 09-11 MARCH 170/169/165

90-DAY MEAN 08 MARCH 124

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 MARCH 07

ESTIMATED AFR/AP 08 MARCH 12/19

PREDICTED AFR/AP 09-11 MARCH 09/12 - 08/10 - 07/10

SOLTERWARN

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HFUS 3 BOU 09 1500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO.

SDF NUMBER 068-B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 09 MAR 1978

IA. SOLAR ACTIVITY HAS BEEN LOW THIS ZULU DAY. SUBFLARES FROM FIVE
DIFFERENT REGIONS HAVE PRODUCED LOW LEVEL CLASS C X-RAY BURSTS.
REGION 1029 (N15E51) IS CONTINUING TO GROW IN COMPLEXITY. REGION
1030 (S03E57) CONTINUES TO GROW IN SUNSPOT STRUCTURE; THE PLAGE IS
MODERATELY BRIGHT WITH FREQUENT FLUCTUATIONS TO NEAR FLARE INTENSITY.
REGION 1031 (S29E85) IS ROTATING ONTO THE SE LIMB AND PRODUCED ONE
OF THE EVENTS.

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

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE THIS ZULU
DAY. GENERALLY UNSETLED CONDITIONS ARE EXPECTED FOR THE NEXT
24 HOURS.

III. EVENT PROBABILITIES 09 MARCH - 11 MARCH

CLASS M 40/40/40

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 MARCH 171

PREDICTED 09-11 MARCH 170/169/165

90-DAY MEAN 08 MARCH 124

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 MARCH 07

ESTIMATED AFR/AP 08 MARCH 12/19

PREDICTED AFR/AP 09-11 MARCH 12/20 - 10/12 - 08/10

SOLTERWARN

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HFUS 1 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO.

SDF NUMBER 068

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 09 MAR 1978

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. ONLY SUBFLARES AND LOW LEVEL CLASS C BURSTS OCCURRED UNTIL 1841Z. AT THIS TIME A BRIGHT EJECTA WAS OBSERVED RAPIDLY MOVING AWAY FROM THE LIMB NEAR SE35. THE ASSOCIATED X-RAY BURST WAS AN M1 (1842 MAX). A VERY IMPULSIVE BURST WAS OBSERVED AT CENTIMETRIC WAVELENGTHS WITH 460 F.U. AT 2700 MHZ, 16 MINUTES DURATION. THIS EVENT APPEARED TO BE DISTINCTLY SEPARATED FROM REGION 1031 (S29E76). RAMEY REPORTS 1031 CURRENTLY AS A C-TYPE SUNSPOT GROUP. REGIONS 1024 (N21W28), 1028 (N16E07), AND 1029 (N16E47) ALL HAVE VARYING DEGREES OF NEUTRAL LINE COMPLEXITY BUT GRADIENTS DO NOT APPEAR TO BE STRONG.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE THIS ZULU DAY. THE FIELD IS EXPECTED TO BE GENERALLY UNSETTLED FOR THE NEXT THREE DAYS

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 MAR 186

PREDICTED 10 - 12 MAR 185/185/187

90-DAY MEAN 09 MAR 125

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 MAR 12

ESTIMATED AFR/AP 09 MAR 12/13

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

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