

HFUS 3 BOU 140530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 073A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 14 MARCH 1978

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE DURING THE PAST 8 HOURS. A SUB-BRILLIANT FLARE WAS REPORTED IN REGION 1031 (S30E26). THE ACCOMPANYING X-RAY BURST REACHED C9 LEVELS AT 14/0344Z. SINGLE C-CLASS SUBFLARES WERE ALSO REPORTED IN REGION 1027 (N28W76) AND REGION 1028 (N18W49). OTHER REGIONS AND THE LIMBS WERE QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT LOW TO MODERATE LEVELS THERE IS THE POSSIBILITY OF AN OCCASIONAL M-CLASS FLARE, BUT ANY OF THE SEVEN REGIONS CURRENTLY VISIBLE ON THE DISK MAY PRODUCE C-CLASS SUBFLARES SPORADICALLY.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY UNSETTLED DURING THE PAST 8 HOURS. THE FIELD IS EXPECTED TO CONTINUE TO BE MILDLY UNSETTLED DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 14 MARCH - 16 MARCH

CLASS M 40/30/25

CLASS X 05/01/01

PROTON 05/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 MARCH 162

PREDICTED 14-16 MARCH 157/152/149

90-DAY MEAN 13 MARCH 127

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 MARCH 01

ESTIMATED AFR/AP 13 MARCH 08/11

PREDICTED AFR/AP 14-16 MARCH 10/10 - 10/10 - 12/10

SOLTERWARN

BT

HFUS 3 BOU 141500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 073B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 14 MARCH 1978

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE FOR THE PAST 8 HOURS.
REGION 1027 (N28W81) PRODUCED A C-4 X-RAY EVENT AT 14/0823Z (MAX).
AN APR AT NW25 BECAME ERUPTIVE DURING THIS TIME, EJECTA REACHING
0.18 RADII. THERE WAS A C-9 EVENT AT 14/0908Z (MAX), BUT THERE
WAS NO ASSOCIATED OPTICAL REPORT. THE REST OF THE DISK/LIMB HAS
BEEN QUIET.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW TO MODERATE.

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

III. EVENT PROBABILITIES 14 MARCH - 16 MARCH

CLASS M 40/30/25

CLASS X 05/01/01

PROTON 05/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 MARCH 162

PREDICTED 14-16 MARCH 166/166/166

90-DAY MEAN 13 MARCH 127

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 MARCH 01

ESTIMATED AFR/AP 13 MARCH 08/11

PREDICTED AFR/AP 14-16 MARCH 10/10 - 10/10 - 12/10

SOLTERWARN

BT

HFUS 1 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 073

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 14 MARCH 1978

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE TODAY. REGION 1031 (S28E 18) PRODUCED A SB FLARE AT 0340Z (C-9 X-RAY), BUT OTHERWISE IS STABLE. REGION 1027 (N28W 86) ALSO PRODUCED A C-9 X-RAY EVENT WHICH HAD EJECTA OUT TO 0.18 SOLAR RADII. NEW REGION 1034 (N32E 66) IS AN H-TYPE GROUP. NEW REGION 1035 (N18E 72) IS A B-TYPE GROUP AND HAS PRODUCED SEVERAL SF AND SN FLARES. THE REST OF THE DISK/LIMB IS LITTLE CHANGED.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TODAY. CONDITIONS ARE EXPECTED TO BE UNSETTLED FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 15 MARCH - 17 MARCH

CLASS M 35/30/30

CLASS X 01/01/01

ROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 MARCH 162

PREDICTED 15-17 MARCH 163/163/163

90-DAY MEAN 14 MARCH 128

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 MARCH 09

ESTIMATED AFR/AP 14 MARCH 10/11

PREDICTED AFR/AP 15-17 MARCH 10/10 - 10/10 - 10/10

SOLTERWARN

BT