

MFUS 3 BOU 250530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 115A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 25 APRIL 1978

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 8 HOURS. NO FLARES
HAVE BEEN REPORTED DURING THAT PERIOD, THOUGH OBSERVATIONS HAVE
BEEN SPARSE. SEVERAL SMALL C-CLASS X-RAY BURSTS HAVE BEEN OBSERVED
DURING THE PERIOD.

IB. REGIONS 1083 (N15W29), 1086 (N21W33) AND 1092 (N27E80) ALL
POSSESS ENERGETIC FLARE POTENTIAL. THERE IS A HIGH PROBABILITY
OF AT LEAST M-CLASS FLARES DURING THE NEXT THREE DAYS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TO UNSETTLED DURING
THE LAST 8 HOURS. THE FIELD IS EXPECTED TO BE GENERALLY MILDLY
ACTIVE DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 25 APRIL - 27 APRIL

CLASS M 90/90/90

CLASS X 40/50/50

PROTON 05/05/05

RCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 APRIL 158

PREDICTED 25-27 APRIL 163/165/168

90-DAY MEAN 24 APRIL 143

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 APRIL 24

ESTIMATED AFR/AP 24 APRIL 25/52

PREDICTED AFR/AP 25-27 APRIL 20/20 - 15/18 - 12/14

SOLTERWARN

BT

NFUS 3 BOU 251500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 115B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 25 APRIL 1978

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST EIGHT HOURS. SEEING HAS BEEN LIMITED AND THE ONLY OPTICAL ACTIVITY WAS A SUB-FAINT FLARE FROM REGION 1082 (S30W32) AT 25/0926Z. SMALL INFREQUENT CLASS C X-RAY BURSTS WERE ALSO OBSERVED. REGION 1092 (N27E78) APPEARS TO BE AN E TYPE GROUP.

IB. SOLAR ACTIVITY SHOULD REMAIN AT LOW TO MODERATE LEVELS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE WITH NO CHANGE EXPECTED.

III. EVENT PROBABILITIES 24 APRIL - 26 APRIL

CLASS M 90/90/90

CLASS X 40/50/50

PROTON 05/05/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 APRIL 158

PREDICTED 25-27 APRIL 163/165/168

90-DAY MEAN 24 APRIL 143

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 APRIL 24

ESTIMATED AFR/AP 24 APRIL 25/52

PREDICTED AFR/AP 25-27 APRIL 20/20 - 15/18 - 12/14

SOLTERWARN

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HFUS 1 BOU 252200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 115

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 25 APRIL 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE. REGION 1092 (N23W72) IS NOW FULLY ON THE DISK AND IS A LARGE E-TYPE GROUP WITH A BETA-GAMMA-DELTA MAGNETIC CONFIGURATION. THIS REGION PRODUCED A 1B CLASS M2 FLARE AT 25/1542Z (MAX) STRONG RADIO BURSTS UP TO 8700 FU'S WERE OBSERVED AT 10 CM. SEVERAL SMALL C-CLASS EVENTS WERE RECORDED THROUGH THE DAY BUT SOURCE REGIONS ARE UNCLEAR.

IB. SOLAR ACTIVITY SHOULD REMAIN MODERATE. REGION 1092 CAN BE EXPECTED TO PRODUCE DAILY CLASS M EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE WITH GENERALLY UNSETTLED CONDITIONS EXPECTED THROUGH THE PERIOD.

III. EVENT PROBABILITIES 26 APRIL - 28 APRIL

CLASS M 90/90/90

CLASS X 40/40/40

PROTON 15/20/25

FCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 APRIL 169

PREDICTED 26 - 28 APRIL 163/165/165

90-DAY MEAN 25 APRIL 144

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 24 APRIL 31

ESTIMATED AFR/AP 25 APRIL 13/18

PREDICTED AFR/AP 26 - 28 APRIL 12/15 - 12/15 - 12/12

SOLIERWARN

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