

HFUS 3 BOU 220600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 112A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 22 APRIL 1978

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 8 HOURS. REGIONS
1073 (N19W78), 1088 (N20W65), 1090 (N18W18), AND 1086 (N21E06)
ARE ALL UNDERGOING SPOT GROWTH. PLAGE ENHANCEMENTS AND BRIGHTENINGS
ARE OCCURRING IN ALL THESE REGIONS.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETTLED THE PAST 8
HOURS. THE FIELD IS EXPECTED TO BE UNSETTLED, BECOMING ACTIVE LATER
TODAY WHEN A RECURRENT STRUCTURE IS EXPECTED.

III. EVENT PROBABILITIES 22-24 APRIL

CLASS M 40/30/30

CLASS X 10/05/01

PROTON 10/05/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 APR 142

PREDICTED 22-24 APR 138/133/130

90-DAY MEAN 21 APR 142

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 APR 13

ESTIMATED AFR/AP 21 APR 09/11

PREDICTED AFR/AP 22-24 APR 25/30 - 25/30 - 18/25

SOLTERWARN

BT

22 23 24 25
144 141 140 140

25 18 12
144

HFUS 3 BOU 221500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 112B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 22 APRIL 1978

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 8 HOURS. CONTINUED
GROWTH IS SEEN IN REGION 1090 (N19W25). IT IS A D-TYPE. TWO
SUB-FAINT FLARES HAVE BEEN OBSERVED IN REGION 1088 (N19W71)
AT 0651Z AND 1146Z.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW THIS PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 8 HOURS
BUT IS EXPECTED TO BECOME UNSETTLED TO ACTIVE BY THE END OF
THIS DAY.

III. EVENT PROBABILITIES 22-24 APRIL

CLASS M 40/30/30

CLASS X 10/05/01

PROTON 10/05/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 APR 142

PREDICTED 22-24 APR 144/141/140

90-DAY MEAN 21 APR 142

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 APR 13

ESTIMATED AFR/AP 21 APR 09/11

PREDICTED AFR/AP 22-24 APR 25/30 - 25/30 - 18/25

SOLTERWARN

BT

HFUS 1 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 112

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 22 APRIL 1978

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS. ONLY SUBFLARES
AND A FEW C CLASS X-RAYS HAVE BEEN NOTED. THESE CAME FROM REGIONS
1073 (N17W81), 1083 (N16W03), AND 1088 (N19W72). REGION 1083 HAS
BEEN DECAYING WHILE 1086 (N21W03) AND 1090 (N18W29) HAVE GROWN.
NEW REGION 1091 (N23E18) HAS APPEARED AS A C-TYPE GROUP.

IB. SOLAR ACTIVITY WILL CONTINUE LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED. IT WILL
CONTINUE AT THIS LEVEL UNTIL 23 APRIL WHEN RECURRENT ACTIVITY IS
EXPECTED AT ACTIVE LEVELS.

III. EVENT PROBABILITIES 23-25 APR

CLASS M 30/30/30

CLASS X 05/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 APR 145

PREDICTED 23-25 APR 146/140/135

90-DAY MEAN 22 APR 142

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 APR 11

ESTIMATED AFR/AP 22 APR 07/10

PREDICTED AFR/AP 23-25 APR 25/25 - 18/20 - 12/15

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