

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 UNSETLED THE PAST 8
HOURS. THE FIELD IS EXPECTED TO BE UNSETLED, 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

22 23 24 25

PREDICTED 22-24 APR 138/133/130

144 141 140 140

90-DAY MEAN 21 APR 142

V. GEOMAGNETIC 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 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 (N 19W25). IT IS A D-TYPE. TWO SUB-FAINT FLARES HAVE BEEN OBSERVED IN REGION 1088 (N 19W71) 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 UNSETLED 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

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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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