

HFUS 3 BOU 110430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 254A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 11 SEPTEMBER 1977

IA. SOLAR ACTIVITY REMAINED AT A VERY LOW LEVEL THE PAST 12 HOURS
DESPITE THE PRESENCE OF REGION 889 (N09E60). THIS REGION HAS AN
IMPRESSIVE "E" TYPE SPOT GROUP AND MT WILSON REPORTS A DELTA
CONFIGURATION. THE PROXIMITY OF REGION 890 (N14E55) TO THIS REGION
MAY TRIGGER ADDITIONAL ACTIVITY. THE REMAINDER OF THE DISK AND LIMBS
HAVE BEEN QUIET. X-RAY BACKGROUND LEVELS HAVE BEEN DROPPING SLOWLY
FROM THE CLASS C LEVEL PRESENT ON 10 SEPTEMBER.

IB. ENERGETIC ACTIVITY REMAINS A POSSIBILITY FROM THE REGION 889
COMPLEX AND CLASS M X-RAY EVENTS ARE EXPECTED.

II. THE GEOMAGNETIC FIELD BECAME ACTIVE IN BOULDER AT 11/0300Z.
GENERALLY UNSETTLED CONDITIONS ARE EXPECTED THRU THE FORECAST PERIOD
WITH A GRADUAL DECLINE OVER THE NEXT 3 DAYS.

III. EVENT PROBABILITIES 11 SEPTEMBER - 13 SEPTEMBER

CLASS M 85/85/85

CLASS X 35/35/35

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 SEPTEMBER 98

PREDICTED 11-13 SEPTEMBER 99/99/100

90-DAY MEAN 10 SEPTEMBER 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 09 SEPTEMBER 12

ESTIMATED AFR/AP 10 SEPTEMBER 15/14

PREDICTED AFR/AP 11-13 SEPTEMBER 25/25 - 18/18 - 12/12

SOLTERWARN

HFUS 3 BOU 111500
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO
SDF NUMBER 254-B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 11 SEPT 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 889 (N09E54) HAS SHOWN SLIGHT GROWTH IN THE E-TYPE SPOT GROUP. OCCASIONAL POINT BRIGHTENING TO NEAR FLARE INTENSITY HAVE ALSO BEEN REPORTED. REGION 890 (N18E45) HAS DISPLAYED CONSIDERABLE GROWTH AND IS NOW REPORTED AS A D-TYPE SPOT GROUP. THE REMAINDER OF THE DISK AND LIMBS ARE QUIET AND NO SIGNIFICANT X-RAY ACTIVITY HAS BEEN OBSERVED.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE. REGION 889 IS STILL VERY IMPRESSIVE WITH A HIGH POTENTIAL FOR M AND POSSIBLE X CLASS X-RAY FLARES.

II. THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE TO MINOR STORM CONDITIONS SINCE OUR LAST REPORT. THE FIELD IS EXPECTED TO BE GENERALLY ACTIVE THROUGH THE FORECAST PERIOD WITH SHORT PERIODS AT MINOR STORM CONDITIONS POSSIBLE.

III. EVENT PROBABILITIES 11 - 13 SEPT 77

CLASS M 85/85/85
CLASS X 35/35/35
PROTON 20/20/20
PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX
OBSERVED 10 SEPT 98
PREDICTED 11-13 SEPT 103/103/103
90-DAY MEAN 10 SEPT 86

V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 09 SEPT 12
ESTIMATED AFR/AP 10 SEPT 15/14
PREDICTED AFR/AP 11-13 SEPT 25/25 - 18/18 - 12/12
SOLTERWARN
BT

HFUS 1 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 254

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 11 SEPTEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. THE ONLY X-RAY ACTIVITY
OBSERVED AT BOULDER WAS A C-1 AT 1425Z AND A C-3 AT 1852Z. REGION
889 (N11E50) IS STILL A LARGE "E" TYPE BETA/GAMMA/DELTA. ONLY
SUBFLARE ACTIVITY HAS BEEN REPORTED OPTICALLY. REGION 890 (N20E40)
HAS SHOWN SOME GROWTH THRU THE DAY AND A POINT BRIGHTENING WAS
THE CAUSE OF OUR C-1 EVENT AT 1425Z. THE REST OF THE DISK AND LIMBS
ARE QUIET.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE. REGION 889 IS CAPABLE
OF "M" AND POSSIBLE "X" CLASS ACTIVITY. REGION 890 COULD PRODUCE A
POSSIBLE "M" EVENT.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY ACTIVE. THE FIELD WILL
BE GENERALLY ACTIVE WITH PERIODS OF MINOR STORM LEVELS POSSIBLE.

III. EVENT PROBABILITIES 12 SEPTEMBER - 14 SEPTEMBER

CLASS M 85/85/85

CLASS X 35/35/35

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 SEPTEMBER 103

PREDICTED 12-14 SEPTEMBER 105/106/106

90-DAY MEAN 11 SEPTEMBER 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 SEPTEMBER 14

ESTIMATED AFR/AP 11 SEPTEMBER 19/22

PREDICTED AFR/AP 12-14 SEPTEMBER 18/24 - 15/20 - 12/20

SOLTERWARN

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