

HFUS 3 BOU 270500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 239A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 27 AUG 1977

IA. SOLAR ACTIVITY IS AT A VERY LOW LEVEL. REGION 879 (N28W21) IS
DEVELOPING AND IS NOW A TYPE "C" SPOT GROUP. ALSO, A NEW REGION
MAY BE EMERGING NEAR S30E50. THE REST OF THE DISK IS QUIET.

IB. SOLAR ACTIVITY WILL BE AT A VERY LOW LEVEL FOR THE NEXT
24 HOURS.

II. THE GEOMAGNETIC FIELD IS SLIGHTLY UNSETTLED AND NO CHANGE IS
EXPECTED.

III. EVENT PROBABILITIES 27-29 AUG

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 AUG 85

PREDICTED 27-29 AUG 85/86/86

90-DAY MEAN 26 AUG 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 AUG 17

ESTIMATED AFR/AP 26 AUG 13/18

PREDICTED AFR/AP 27-29 AUG 12/14 - 08/08 - 08/08

SOLTERWARN

HFUS 3 BOU 271500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 239-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 27 AUG 1977

IA. SOLAR ACTIVITY WAS VERY LOW DURING THE PAST TEN HOURS. TWO OBSERVATORIES REPORTED A IN FLARE IN PROGRESS AT 27/1058Z FROM REGION 874 (S25W19). THE FLARE WAS ACCOMPANIED BY A C-6 X-RAY EVENT BEGAN 27/1057Z AND MAXED AT 1103Z AND WEAK RADIO BURSTS. SLIGHT SWF'S WERE ALSO REPORTED. THE NEW REGION (880) NEAR S31E47 IS NOW A C-TYPE SPOT GROUP WITH OCCASIONAL POINT BRIGHTENINGS. OCCASIONAL POINT BRIGHTENINGS WERE ALSO OBSERVED IN REGION 879 (N27W30). TEHERAN OBSERVATORY REPORTED THE OCCURRENCE OF AN ERUPTIVE PROMINENCE (NW30) EXTENDING TO .35 SOLAR RADIUS WHICH BEGAN NEAR 27/0717Z. THE EPL ENDED AT 27/0754Z.

IB. SOLAR ACTIVITY IS EXPECTED TO BE GENERALLY VERY LOW DURING THE REST OF THE FORECAST PERIOD WITH ONLY OCCASIONAL ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD WAS GENERALLY ACTIVE DURING THE PAST TEN HOURS WITH MINOR STORM CONDITIONS FROM 0900Z - 1200Z. THE FIELD SHOULD BE MOSTLY UNSETTLED DURING THE REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 27 - 29 AUG

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 AUG 85

PREDICTED 27 - 29 AUG 85/86/86

90-DAY MEAN 26 AUG 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 AUG 17

ESTIMATED AFR/AP 25 AUG 13/18

PREDICTED AFR/AP 27 - 29 AUG 12/14 - 08/08 - 08/08

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HFUS 1 BOU 272320

CORRECTED COPY

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 239

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 27 AUGUST 1977

IA. SOLAR ACTIVITY WAS VERY LOW DURING THE PAST 24 HOURS. REGION 874 (S26W14) PRODUCED SEVERAL SUBFLARES AND ONE IMPORTANCE IN FLARE AND CONTINUES TO DISPLAY PLAGE FLUCTUATIONS. THE REGION IS STILL AN E-TYPE GROUP WITH A BETA GAMMA MAGNETIC CLASSIFICATION. THE OTHER TWO SPOTTED REGIONS HAVE SHOWN ONLY OCCASIONAL PLAGE FLUCTUATIONS. AN EPL WAS OBSERVED NEAR NW30 FROM 27/0717Z TO 27/0754Z, BUT NO SIGNIFICANT X-RAY OR RADIO ACTIVITY WAS ASSOCIATED WITH IT.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A GENERALLY VERY LOW LEVEL DURING THE NEXT 24 HOURS. HOWEVER, C-CLASS X-RAY ACTIVITY REMAINS PROBABLE WITH ISOLATED M-CLASS ACTIVITY POSSIBLE.

II. THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED TO ACTIVE DURING THE PAST 24 HOURS EXCEPT FOR MINOR STORM CONDITIONS BETWEEN 27/0900Z AND 27/1200Z. THE FIELD IS EXPECTED TO BE UNSETTLED TO OCCASIONALLY ACTIVE DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 28-30 AUGUST

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 AUG 84

PREDICTED 28-30 AUG 84/84/84

90-DAY MEAN 27 AUGUST 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 26 AUG 10

ESTIMATED AFR/AP 27 AUG 15/16

PREDICTED AFR/AP 28-30 AUG 10/15 - 08/10 - 08/08

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