

HFUS 3 BOU 220500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 203A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 22 JULY 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. A SUNBNORMAL FLARE TOOK PLACE  
AT S15E88 AT 2325Z. THERE ARE NO SUNSPOTS OR ACTIVE REGIONS VISIBLE,  
ALTHOUGH THERE WAS A SURGE AT SE15 FROM 2310Z TO 0030Z. REGION  
849 (N21E28) NOW HAS 2 SPOTS. CULGOORA REPORTS POSSIBLE EMERGING  
REGIONS NEAR N25 W00 AND N15E20. THE REST OF THE DISK/LIMB HAS  
BEEN QUIET.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TO UNSETTLED. THE GEOMAGNETIC  
FIELD SHOULD BE UNSETTLED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 22-24 JULY

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 JULY 79

PREDICTED 22-24 JULY 82/84/85

90-DAY MEAN 21 JULY 84

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 JULY 25

ESTIMATED AFR/AP 21 JULY 15/13

PREDICTED AFR/AP 22-24 JULY 12/14 - 25/25 - 20/20

SOLTERWARN

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HFUS 3 BOU 221500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 203-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 22 JULY 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. TWO NEW REGIONS ARE ROTATING  
ONTO THE DISK ONE AT SE25 (REPORTED EARLIER AS SE15) WITH NO SPOTS  
BUT IT HAS PRODUCED POSSIBLE SUBFLARES AND A C-4 X-RAY EVENT AT  
1159. A SIMILAR REGION IS AT NE30. REPORTS ALSO INDICATE A NEW  
B-TYPE GROUP AT N19E21 AND SPOTS HAVE EMERGED IN REGION 849 (N21E25).

IB. SOLAR ACTIVITY SHOULD REMAIN VERY LOW. THE NUMBER OF DEVELOPING  
AND EMERGING REGIONS MAY INCREASE THE CHANCE OF SIGNIFICANT ENERGETIC  
ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE THRU THE NIGHT BUT  
APPEARS TO BE UNSETTLED AT THIS TIME. THE FIELD SHOULD REMAIN UNSETTLED  
THRU THE DAY. GENERALLY ACTIVE CONDITIONS SHOULD PREVAIL FOR THE  
REMAINDER OF THE PERIOD.

III. EVENT PROBABILITIES 22 - 24 JULY

CLASS M 03/05/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 JULY 79

PREDICTED 22 - 24 JULY 082/084/085

90-DAY MEAN 21 JULY 84

V. GEOMAGNETIC A INDICES

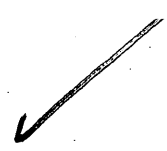
OBSERVED FREDERICKSBURG 20 JULY 25

ESTIMATED AFR/AP 19 JULY 15/13

PREDICTED AFR/AP 22 - 24 JULY 16/20 - 25/25 - 20/20

SOLTERWARN

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HFUS 1 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 203

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 22 JULY 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. MINOR X-RAY ACTIVITY HAS BEEN  
PRODUCED BY REGION 852 (S23E69) OTHER REGIONS AND THE LIMBS ARE QUIET.  
AN UNCONFIRMED NEW REGION HAS BEEN REPORTED BY BOULDER AT N20W46.

IB. SOLAR ACTIVITY WILL REMAIN VERY LOW. NO REGIONS DISPLAY SIGNIFICANT  
GROWTH PARAMETERS.

II. THE GEOMAGNETIC FIELD CONTINUES TO BE ACTIVE DURING LOCAL  
NIGHT AND QUIET TO UNSETTLED DURING THE DAY LIGHT HOURS. THE FIELD  
IS EXPECTED TO SHOW SIMILAR CHARACTERISTICS WITH OVERALL ACTIVITY  
DECREASING THRU THE PERIOD.

III. EVENT PROBABILITIES 23-25 JULY

CLASS M . 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 JULY 80

PREDICTED 23-25 JULY 83/85/85

90-DAY MEAN 22 JULY 84

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 JULY 13

ESTIMATED AFR/AP 22 JULY 14/14

PREDICTED AFR/AP 23-25 JULY 20/20 - 15/15 - 12/12

SOLTERWARN

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