

HFUS 3 BOUL220500
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 UNSETLED. THE GEOMAGNETIC FIELD SHOULD BE UNSETLED 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

SOLIERWARN

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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

BT

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 UNSETLED 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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