

HFUS 1 BOU 100500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO
SDF NUMBER 283A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 10 OCT 1974

IA. SOLAR ACTIVITY WAS AT A LOW LEVEL DURING THE PAST 8 HOURS WITH
ONLY 3 SUB-FAINT FLARES BEING REPORTED. NO SIGNIFICANT CHANGES IN
THE DISK HAVE BEEN REPORTED.

IB. THE PROBABILITY FOR ENERGETIC ACTIVITY IS UNCHANGED AS THE COM-
PLEX OF REGIONS IN THE NORTHEAST RETAIN THEIR COMPLEXITY AND THREAT-
ENING APPEARANCE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE. MINOR STORM
CONDITIONS ARE EXPECTED TO RECOMMENCE WITH A GENERALLY DISTURBED
FIELD EXPECTED FOR THE DURATION OF THIS FORECAST PERIOD.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

SOLTERWARN

BT

HFUS BOU 101430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 283B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 10 OCT 1974

- I.A. SOLAR ACTIVITY HAS REMAINED LOW DURING THE PAST 10 HOURS, AND ONLY RELATIVELY SMALL CLASS C FLARES HAVE BEEN REPORTED. REGION 503 (N08E18) REMAINS IMPRESSIVE AND MAGNETICALLY COMPLEX. REGIONS 501 (S17W24) AND 505 (N11E08) HAVE SHOWN RECENT DEVELOPMENT, AND BOTH THESE REGIONS NOW CONTAIN D-TYPE SPOT GROUPS. REGION 500 (N05W11) HAS SHOWN LITTLE RECENT GROWTH.
- I.B. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE DUE TO SPORADIC FLARE ACTIVITY IN REGIONS 500, 501, 503, AND 505. THERE IS A SIGNIFICANT CHANCE OF MAJOR FLARE ACTIVITY DURING THE THREE-DAY FORECAST PERIOD.

- III. THE GEOMAGNETIC FIELD HAS GRADUALLY BECOME QUIET DURING THE PAST 10 HOURS. A MINOR GEOMAGNETIC STORM IS EXPECTED TO BEGIN LATE ON 10 OCTOBER OR EARLY 11 OCTOBER.

III. EVENT PROBABILITIES 10 - 12 OCT

CLASS M 75/75/75

CLASS X 30/30/30

PROTON 15/25/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 OCT 129

PREDICTED 10 - 12 OCT 130/128/124

90-DAY MEAN 09 OCT 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 OCT 07

ESTIMATED AFR/AP 09 OCT 27/44

PREDICTED AFR/AP 10 - 12 OCT 17/20 - 30/42 - 30/42

SOLTERWARN

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HFUS BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 283

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 10 OCT 1974

IA. SOLAR ACTIVITY HAS INCREASED TO A MODERATE LEVEL DURING THE PAST 24 HOURS. REGION 503 (N08E13) PRODUCED A SHORT-LIVED CLASS M2 SUB-BRILLIANT FLARE AT 10/1810Z. THIS EVENT WAS FOLLOWED BY A CLASS M2 SUB-BRILLIANT FLARE IN REGION 505 (N11E01) AT 10/1830Z. SINCE REGIONS 503 AND 505 ARE CONNECTED MAGNETICALLY, IT IS POSSIBLE THAT THESE TWO FLARES MAY HAVE BEEN RELATED. MANY OTHER SMALL FLARES HAVE OCCURRED IN REGIONS 501 (S17W27), 503, AND 505, BUT THESE EVENTS HAVE BEEN RELATIVELY NON-ENERGETIC. REGION 503 REMAINS COMPLEX MAGNETICALLY, AND SEVERAL DELTA CONFIGURATIONS EXIST WITHIN THE SPOT GROUP. REGION 505 HAS SHOWN SIGNIFICANT RECENT DEVELOPMENT, AND A RELATIVELY STRONG DELTA CONFIGURATION HAS FORMED AT THE NORTHERN EDGE OF THE MAIN LEADING SPOT. REGION 501 REMAINS SIMPLE MAGNETICALLY BUT CONTAINS ENHANCED PLAGE. OTHER REGIONS ARE RELATIVELY UNIMPRESSIVE.

IB. SOLAR ACTIVITY PROBABLY WILL BE MODERATE DURING THE NEXT THREE DAYS. THE COMPLEX OF REGIONS 503 AND 505 IS EXPECTED TO PRODUCE SPORADIC CLASS M EVENTS AND FREQUENT CLASS C FLARES. IN ADDITION, A MAJOR FLARE MAY OCCUR IN THIS COMPLEX.

II. THE GEOMAGNETIC FIELD HAS GRADUALLY BECOME QUIET DURING THE PAST 24 HOURS. A MINOR GEOMAGNETIC STORM IS EXPECTED TO BEGIN SOMETIME ON 11 OCTOBER AND CONTINUE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 11 - 13 OCT

CLASS M 80/80/80

CLASS X 30/30/30

PROTON 25/30/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 OCT 132

PREDICTED 11-13 OCT 130/126/124

90-DAY MEAN 10 OCT 89

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 09 OCT 28

ESTIMATED AFR/AP 10 OCT 10/11

PREDICTED AFR/AP 11-13 OCT 26/35 - 35/45 - 35/50

SOLTERWARN

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