

KBOU

HFUS 1 BOU 110545

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 285A

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z OCT 11 1972

IA. NO CHANGE

IB. NO CHANGE

II. OSCILLATIONS IN BOULDER D-TRACE PRODUCED K VALUES OF 5 AND 4
FOR 11/0000-0300 AND 11/0300-0600 RESPECTIVELY. NEARLY QUIET TRACE
RESUMED AT 0400Z.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

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KBOU

HFUS 1 BOU 111240

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 285B

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 11 OCT 1972

IA. SOLAR ACTIVITY REMAINS LOW BUT SOME INCREASE IN SUBFLARE ACTIVITY HAS BEEN NOTED WITH A TOTAL OF 11 SUBFLARES REPORTED DURING THE LAST 24 HOURS. REGION 433 (S05W63) PRODUCED 3 OF THESE SUBFLARES. THIS REGION HAS GROWN SLIGHTLY IN BOTH WHITE LIGHT AND H ALPHA AND CURRENTLY EXHIBITS OCCASIONAL PLAGE FLUCTUATIONS TO NEAR FLAR INTENSITY. REGION 440 (N11W66) HAS ALSO SHOWN SOME GROWTH AND HAS PRODUCED TWO SUBFLARES, BUT CURRENTLY APPEARS STABLE.

IB. CONTINUED SUBFLARE ACTIVITY IS LIKELY WITH A SLIGHT CHANCE OF A SMALL CLASS M EVENT, PRIMARILY DURING THE FIRST PORTION OF THE PERIOD BEFORE REGIONS 433 AND 440 ROTATE OVER THE LIMB. NO SIGNIFICANT REGIONS ARE FORECAST TO RETURN.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED AT TIMES DURING THE DAY ON THE 10TH AND BECAME ACTIVE AFTER 0000Z ON THE 11TH WITH OBSERVED K VALUES OF ONE 5 AND THREE 4'S. THIS DISTURBANCE IS APPARENTLY ASSOCIATED WITH A RECENT SECTOR BOUNDARY PASSAGE. GEOMAGNETIC SUBSTORM ACTIVITY SHOULD CONTINUE DURING LOCAL NIGHT TIME HOURS BUT WITH DECREASING AMPLITUDE DURING THE NEXT TWO DAYS.

III. EVENT PROBABILITIES 11 OCT - 13 OCT

CLASS M 25/25/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 OCT 95

PREDICTED 11 OCT - 13 OCT 95/95/95

90-DAY MEAN 10 OCT 118

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 09 OCT 03

ESTIMATED 10 OCT 06

PREDICTED 11 OCT - 13 OCT 20/15/10

SOLTERWARN

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KBOU

HFUS BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 285

JOINT AESC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 11 OCT 1972

IA. SOLAR ACTIVITY HAS BEEN LOW. A SUBFLARE AT 11/0845Z IN
REGION 433 /S06W66/ REACHED X-RAY INTENSITY CLASS C2-THE MOST
ENERGETIC EVENT IN SEVERAL DAYS.

IB. REGION 433 WILL PROBABLY CONTINUE TO SLOWLY GROW ANOTHER
24-48 HOURS AS IT PRODUCES FLARES CLASS C. THE OTHER REGIONS
WILL PROBABLY PRODUCE ONLY INSIGNIFICANT CHROMOSPHERIC ACTIVITY.
OLD REGION 419 ASSOCIATED WITH MANILA PLAGE REGION 766 IS DUE
TO RETURN DURING 12 OCT AT N17.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING LOCAL NIGHT-
TIMES WITH MID LATITUDE K VALUES REACHING FIVE. THE SAME SORT
OF ACTIVITY BUT OF LESSER MAGNITUDE IS EXPECTED FOR THE NEXT
48 HOURS.

III. EVENT PROBABILITIES 12-14 OCT

CLASS M 15/15/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7CM FLUX

OBSERVED 11 OCT 96

PREDICTED 12-14 OCT 96/96/95

90-DAY MEAN 11 OCT 117.8

V. GEOMAGNETIC A-INDICES

OBSERVED FREDERICKSBURG 10 OCT 05

ESTIMATED 11 OCT 21

PREDICTED 12-14 OCT 13/09/09

SOLTERWARN

SPAN

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