

NNNN

KBOU

HFUS 1 BOU 280600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 302A

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 28 OCTOBER 1972

IA. NO CHANGE

IB. REGION 460 (S10E25) HAS SHOWN SOME BREAKING UP IN THE TRAILER
PORTION BUT STILL SHOWS POTENTIAL FOR MAJOR ACTIVITY.

II. MINOR MAGNETIC DISTURBANCE CONTINUES.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SPAN

BT

NNNN

NNNN

KBOU

HFUS 1 BOU 281300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 302B

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 28 OCT 1972

IA. PLAGE GROWTH HAS OCCURRED ON THE SOUTHERN BOUNDARY OF REGION
460 (S12E23). A SUBFLARE FROM THIS PORTION OF THE REGION AT 0355Z
TODAY PRODUCED A MINOR SHORT WAVE FADE. THE REST OF REGION
460 IS DECAYING AS ITS TRAILER SPOTS CONTINUE TO SLOWLY BREAK UP.
A LARGE ERUPTIVE PROMINENCE NEAR S10 ON THE WEST LIMB WAS THE SOURCE
OF A CLASS M-1 EVENT AT 0526Z. AN UNCONFIRMED CLASS M EVENT
WAS REPORTED AT 1007Z.

IB. ALTHOUGH A CLASS X EVENT IS POSSIBLE FROM REGION 460, ACTIVITY
SHOULD BE CONFINED TO 2-3 CLASS M EVENTS DURING THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED WITH OCCASIONAL ACTIVE
PERIODS DURING THE PAST 24 HOURS. SIMILAR CONDITIONS ARE
EXPECTED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 28-30 OCT

CLASS M 95/95/95

CLASS X 40/40/40

PROTON 25/30/35

PCFC YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 OCT 172

PREDICTED 28-30 OCT 172/174/170

90-DAY MEAN 27 OCT 121

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 26 OCT 09

ESTIMATED 27 OCT 08

PREDICTED 28-30 OCT 13/10/12

SPAN

BT

NNNN

NNNN

KBOU

HFUS BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 302

JOINT AESC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 28 OCT 1972

IA. SUBFLARES IN REGION 460 /S10E13/ PRODUCED CLASS M X-RAY BURSTS NEAR 0405 AND 1012Z AND A LARGE CLASS C BURST NEAR 0453Z. THIS REGION'S LEADER SPOT IS SEPARATING FROM THE GROUP AND SLIGHT PENUMBRAL DECAY HAS OCCURRED. THE CANARY ISLAND OBSERVATORY REPORTS COUNTERCLOCKWISE MOTION OF SMALL SPOTS AROUND THE NORTHEAST PORTION OF THE LEADER. A NON-ENERGETIC IMPORTANCE ONE FLARE NEAR S08E61 AT 1756Z WAS APPARENTLY PRODUCED BY AN ERUPTING FILAMENT. THE REMAINING DISK REGIONS ARE STABLE. THE DEKAMETRIC RADIO NOISE STORM CONTINUES. IB. CLASS M FLARE ACTIVITY SHOULD CONTINUE, WHILE THE POSSIBILITY OF CLASS X ACTIVITY IS EXPECTED TO DECLINE SLOWLY. REGIONS 429 AND 431 ARE DUE TO RETURN WITHIN THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD WAS SLIGHTLY UNSETTLED DURING THE PAST PERIOD AND UNSETTLED CONDITIONS ARE EXPECTED TO CONTINUE DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 29-31 OCT

CLASS M 90/90/85

CLASS X 30/25/20

PROTON 25/25/25

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 OCT 165

PREDICTED 29-31 OCT 162/160/156

90-DAY MEAN 28 OCT 121

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 OCT 07

ESTIMATED 28 OCT 09

PREDICTED 29-31 OCT 11/10/10

SOLTERWARN

SPAN

BT