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HFUS 1 BOU 260550

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 300A

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 26 OCTOBER 1972

IA. REGION 460 (S11E47) HAS PRODUCED ONLY FIVE SUBFLARES IN THE
PAST EIGHT HOURS.

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 261240

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 300B

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 26 OCTOBER 1972

IA. REGION 460 (S11E44) CONTINUES TO PRODUCE SIGNIFICANT X-RAY
ACTIVITY AND ASSOCIATED IONOSPHERIC DISTURBANCES. THE LARGEST
EVENT TODAY WAS AN IMPORTANCE 1 FLARE AT 0646Z WHICH PRODUCED
SEVERE SHORT WAVE FADES LASTING UP TO 40 MINUTES. THE VELA
SATELLITE RECORDED THIS FLARE AS A CLASS X-2 EVENT. THE RADIO
CHARACTERISTICS OF THIS EVENT SUGGEST THAT THERE WERE NO ENERGETIC
PROTONS PRODUCED.

IB. REGION 460 WILL CONTINUE TO PRODUCE CLASS M EVENTS AND MINOR
IONOSPHERIC DISTURBANCES. A CLASS X EVENT AND ASSOCIATED MAJOR
IONOSPHERIC DISTURBANCE IS LIKELY DURING THE NEXT 24 HOURS.
ENERGETIC PARTICLE EMISSION IS POSSIBLE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED SINCE 0300Z TODAY.
SLIGHTLY UNSETTLED CONDITIONS ARE EXPECTED DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 26-28 OCTOBER

CLASS M 100/100/100

CLASS X 50/50/50

PROTON 20/25/35

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 OCT 174

PREDICTED 26-28 OCT 178/183/185

90-DAY MEAN 25 OCT 119.9

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 OCT 08

ESTIMATED 25 OCT 05

PREDICTED 26-28 OCT 15/10/10

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KBOU

HFUS BOU 262200

FROM SPACE ENVIRONMENT SERVICE CENTER BOULDER COLO

SDF NUMBER 300

JOINT AESC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 26 OCT 1972

IA. REGION 460 /S10E38/ REMAINED ACTIVE DURING THE PAST 24 HOURS.
FLARES FROM THIS REGION PRODUCED SHORT WAVE FADES TODAY AT 0316,
0645, 0917, 1155 AND 1328Z. THE 0645Z FADE, ASSOCIATED WITH A
CLASS X-3 IMPORTANCE ONE FLARE, WAS TOTAL AT 16 MHZ FOR 40 MINUTES.
IMPORTANCE ONE FLARES ALSO PRODUCED CLASS M X-RAY BURSTS AT 1255 AND
1328Z. RECENT MAGNETIC OBSERVATIONS INDICATE THAT THIS LARGE
REGION IS STILL COMPLEX WITH A DELTA CONFIGURATION. THE REMAINING
SOLAR FEATURES ARE STABLE.

IB. REGION 460 IS EXPECTED TO PRODUCE SEVERAL ENERGETIC FLARES
DURING THE NEXT 72 HOURS.

II. THE GEOMAGNETIC FIELD IS UNSETTLED. QUIET TO OCCASIONALLY
SETTLED CONDITIONS ARE EXPECTED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 27-29 OCT

CLASS M 100/095/095

CLASS X 45/ 40/ 40

PROTON 20/ 25/ 35

PCAF YELLOW

IV. OTTAWA 1).7 CM FLUX

OBSERVED 26 OCT 174

PREDICTED 27-29 OCT 177/180/183

90-DAY MEAN 26 OCT 120

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 OCT 05

ESTIMATED 26 OCT 09

PREDICTED 27-29 OCT 10/08/10

SOLTERWARN

SPAN

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