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HFUS 1 BOU 160615

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 351A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 16 DECEMBER 1972

IA. REGION 496 (N11W57) PRODUCED A ONE BRIGHT FLARE AT 16/0346Z.

THIS FLARE WAS A TENFLARE WITH 292 FLUX UNITS ABOVE BACKGROUND.

PRELIMINARY DATA INDICATES FLARE WAS CLASS X.

IB. NO CHANGE.

II. MINOR GEOMAGNETIC DISTURBANCE CONTINUES, INTENSITY HAS NOT
REACHED STORM CRITERIA. PART V OF FORECAST WILL NEED REVISION
WHICH WILL BE ON 1300Z FORECAST.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 351B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 16 DECEMBER 1972

IA. A 1B FLARE OCCURRED IN REGION 496(N11W57) WITH MAXIMUM
16/0348Z. PRELIMINARY XRAY CLASS IS X1. COMPLEX BURSTS WERE
OBSERVED FROM 100 TO 8800 MHZ WITH AN AVERAGE OF 200 F.U. ABOVE
BACKGROUND REPORTED AT 2700 MHZ. NO SIGNIFICANT PROTON EVENT IS
EXPECTED FROM THIS FLARE. NO IMPORTANT CHANGES HAVE BEEN REPORTED
IN THE DISK REGIONS.

IB. ONE OR TWO CLASS M EVENTS CAN BE EXPECTED DURING THE NEXT 72
HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN STRONGLY UNSETTLED. IT IS
EXPECTED TO BE ACTIVE TO STRONGLY UNSETTLED FOR THE BALANCE OF
THE FORECAST PERIOD.

III. EVENT PROBABILITIES 16 - 18 DEC

CLASS M 60/50/50

CLASS X 05/03/03

PROTON 05/03/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 DEC 121

PREDICTED 16- 18 DEC 120/118/115

90-DAY MEAN 15 DEC 111

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 DEC 08

ESTIMATED 15 DEC 14

PREDICTED 16- 18 DEC 15/20/14

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HFUS BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 351

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 16 DEC 1972

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 496 /N11W74/ PRODUCED
A ONE BRIGHT OPTICAL FLARE AT 16/0346Z WITH AN ASSOCIATED CLASS
X1 X-RAY EVENT. REGION 500 /S20W18/ HAS BEEN STABLE AND HAS
PRODUCED FOUR SUBFLARES. REGION 503 /S06E25/ HAS ONLY ONE
SPOT BUT SHOWS BRIGHT PLAGE AND HAS PRODUCED FIVE SUBFLARES.

IB. CLASS M EVENTS CONTINUE TO BE POSSIBLE FROM REGIONS 496
AND 500. GROWTH IS EXPECTED FROM REGION 503 AND ENERGETIC
ACTIVITY IS POSSIBLE FROM THIS REGION WITHIN 72 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE AND IS EXPECTED TO
BE SO FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 17-19 DEC

CLASS M 60/50/50

CLASS X 05/03/03

PROTON 03/02/02

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 DEC 114

PREDICTED 17-19 DEC 112/110/108

90-DAY MEAN 16 DEC 111.3

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 DEC 013

ESTIMATED 16 DEC 022

PREDICTED 17-19 DEC 020/014/010

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