

KBOU

HFUS 1 BOU 130600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 348 A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 13 DECEMBER 1972

IA. NO CHANGE

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

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HFUS 1 BOU

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 348B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 13 DECEMBER 1972

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 15 HOURS WITH TWO  
SUBFLARES HAVING BEEN REPORTED. REGION 496/502(CENTERED AT N11W25)  
HAS DULLED IN PLAGE STRUCTURE. HOWEVER WEAK DELTA STILL REMAINS  
IN THIS COMPLEX. REGION 500(S20E26) CONTINUES ITS GROWTH PATTERN  
BUT REMAINS SIMPLE MAGNETICALLY AT THIS TIME.

IB. A CLASS M EVENT IS POSSIBLE FROM EITHER REGIONS 496/502 OR  
500 DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAD BEEN QUIET UNTIL 13/0500Z AND HAS  
BECOME HIGHLY ACTIVE SINCE. THE FIELD IS EXPECTED TO REMAIN ACTIVE  
FOR THE NEXT 24 HOURS AND THEN BECOME MODERATELY UNSETTLED FOR THE  
BALANCE OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 13 - 15 DEC

CLASS M 70/60/60

CLASS X 05/05/05

PROTON 10/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 DEC 112

PREDICTED 13 - 15 DEC 114/116/118

90-DAY MEAN 12 DEC 111

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 DEC 02

ESTIMATED 12 DEC 03

PREDICTED 13 - 15 DEC 27/14/09

SPAN

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HFUS BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 348

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 13 DEC 1972

IA. SOLAR ACTIVITY HAS BEEN LOW, WITH 10 SUBFLARES REPORTED DURING THE PAST 24 HOURS. REGION 496 /N11W24/ RETAINS ITS DELTA CONFIGURATION BUT IS DECLINING IN WHITE LIGHT. THIS REGION HAS PRODUCED SIX SUBFLARES. FILAMENT REALIGNMENT IS OCCURRING IN REGION 502 /N12W31/, WHICH IS JUST WEST OF AND CLOSELY ASSOCIATED WITH REGION 496. REGION 502 HAS PRODUCED TWO CLASS C2 X-RAY EVENTS. REGION 500 /S19E21/ IS EXPERIENCING SPOT GROWTH AND HAS A LONG ARCH FILAMENT BETWEEN THE LEADER AND FOLLOWER IN BRIGHT PLAGE. THIS REGION NOW HAS A BETA GAMMA MAGNETIC CONFIGURATION. A SLIGHT ENHANCEMENT OF PROTONS WAS OBSERVED STARTING AT 13/1520Z ON THE ATS-1 5-21 MEV CHANNEL.

IB. CLASS M X-RAY EVENTS ARE POSSIBLE FROM REGIONS 496, 500, AND 502. LIMB ACTIVITY INDICATES THE POSSIBILITY OF A MODERATE SIZED REGION ROUNDING THE EAST LIMB NEAR S12 IN THE NEXT 48 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DUE TO PROBABLE SECTOR BOUNDARY PASSAGE AND IS EXPECTED TO BE UNSETTLED FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 14-16 DEC

CLASS M 70/70/70

CLASS X 10/10/10

PROTON 05/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 DEC 123

PREDICTED 14-16 DEC 125/128/130

90-DAY MEAN 13 DEC 110.8

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 DEC 006

ESTIMATED 13 DEC 020

PREDICTED 14-16 DEC 015/008/012

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