

KBOU  
HFUS 1 BOU 220600  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 357A  
JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 22 DEC 1972  
IA. NO CHANGE  
IB. NO CHANGE  
II. NO CHANGE  
III. NO CHANGE  
IV. NO CHANGE  
V. NO CHANGE  
SOLARWARN  
SPAN  
**BT**

NNNN

KBOU

HFUS 1 BOU

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 357B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 22 DECEMBER 1972

IA. SOLAR ACTIVITY REMAINS LOW. TWO SUBFLARES IN REGION 508(N11E18)  
OCCURRING NEAR 0633Z AND 0730Z ARE PRELIMINARILY CLASSED AS C4 AND  
C5 RESPECTIVELY. REGION 508 HAS GROWN TO 9 DEGREES IN LONGITUDE,  
DECREASED IN INTERMEDIATE SUNSPOT STRUCTURE AND HAS BEGUN TO  
SIMPLIFY IN MAGNETIC STRUCTURE. FIVE OTHER DISK REGIONS ARE SIMPLE  
AND NONPRODUCTIVE.

IB. CLASS C FLARES ARE EXPECTED FROM REGION 508 AND A CLASS M EVENT  
IS POSSIBLE.

II. THE GEOMAGNETIC FIELD HAS BEEN VERY QUIET. IT IS EXPECTED TO  
BECOME UNSETTLED WITHIN THE NEXT 12 HOURS AND REMAIN SO FOR THE  
BALANCE OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 22 - 24 DEC

CLASS M 40/40/50

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 DEC 120

PREDICTED 22 - 24 DEC 122/124/124

90-DAY MEAN 21 DEC 112

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 DEC 05

ESTIMATED 21 DEC 02

PREDICTED 22 - 24 DEC 05/12/10

SPAN

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HFUS BOU 222200  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 357  
JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 22 DEC 1972  
IA. SOLAR ACTIVITY HAS INCREASED SLIGHTLY AS REGION 508/N13E20/ HAS BEEN PRODUCING FREQUENT SUBFLARES WITH ASSOCIATED X-RAY EVENTS RANGING FROM CLASS C-1 TO C-5. THIS REGION HAS GROWN IN WHITE LIGHT SINCE YESTERDAY AND ITS MAGNETIC STRUCTURE IS SLIGHTLY MORE COMPLEX.  
IB. CONTINUED CLASS C ACTIVITY IS EXPECTED FROM REGION 508. A SMALL CLASS M EVENT DURING THE PERIOD 23/1500Z TO 24/1500Z SEEMS LIKELY IF REGION 508 CONTINUES TO DEVELOP. LARGER EVENTS ARE NOT EXPECTED.  
II. THE GEOMAGNETIC FIELD WAS QUIET UNTIL 1200Z TODAY, BUT HAS SINCE BEEN SLIGHTLY UNSETLED. GENERALLY UNSETLED GEOMAGNETIC CONDITIONS ARE EXPECTED DURING THE NEXT 48 HOURS, WITH PERIODS OF ACTIVE CONDITIONS DURING LOCAL MIDNIGHT HOURS.  
III. EVENT PROBABILITIES 23 DEC - 25 DEC  
CLASS M 50/50/40  
CLASS X 01/01/01  
PROTON 01/01/01  
PCAF GREEN  
IV. OTTAWA 10.7CM FLUX  
OBSERVED 22 DEC 115  
PREDICTED 23-25 DEC 115/114/114  
90-DAY MEAN 22 DEC 112.  
V. GEOMAGNETIC A INDICES  
OBSERVED FREDERICKSBURG 21 DEC 01  
ESTIMATED 22 DEC 07  
PREDICTED 23-25 DEC 14/16/08  
SOLTERWARN  
SPAN  
BT