

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

SOLTERWARN

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

**BT**

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 UNSETTLED. GENERALLY UNSETTLED GEO-  
MAGNETIC 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