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HFUS 1 BOU 210600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 356A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 21 DEC 1972

IA. NO CHANGE

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

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HFUS 1 BOU

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 356B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 21 DECEMBER 1972

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 506(N17W01) IS MODERATE  
IN SIZE BUT OPEN AND SIMPLE MAGNETICALLY. REGION 508(N11E37) HAS  
EVOLVED RAPIDLY DURING THE PAST 24 HOURS. IT IS MODERATELY BRIGHT  
IN INTENSITY WITH AN INFERRED ESSENTIALLY EAST-WEST CONVOLUTED  
NEUTRAL LINE. OF PARTICULAR INTEREST IS THE FACT BOTH THESE  
REGIONS LIE JUST EAST OF SECTOR BOUNDARIES INFERRED FROM HALPHA  
FILAMENTARY STRUCTURES.

IB. REGION 508 IS EXPECTED TO CONTINUE ITS GROWTH IN A MAGNETICALLY  
COMPLEX STRUCTURE. THIS FACT, PLUS THE STRONG POTENTIAL OF INTERFACE  
BETWEEN CORONAL ARCADES, IS THE BASIS FOR AN UPWARD TREND IN EVENT  
PROBABILITIES.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. IT WILL REMAIN QUIET  
UNTIL THE LATER PART OF 22 DECEMBER AND THEN BECOME MODERATELY  
UNSETTLED.

III. EVENT PROBABILITIES 21 - 23 DEC

CLASS M 40/50/60

CLASS X 01/02/05

PROTON 01/03/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 DEC 115

PREDICTED 21- 23 DEC 114/115/114

90-DAY MEAN 20 DEC 112

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 19 DEC 06

ESTIMATED 20 DEC 05

PREDICTED 21 - 23 DEC 03/08/12

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HFUS BOU 212200  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 356  
JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 21 DECEMBER 1972  
IA. SOLAR ACTIVITY HAS BEEN LOW, WITH ONLY NON EVERGETIC SUBFLARES  
FROM REGIONS 506 /N15W03/ AND 508 /N12E33/. REGION 508 HAS SHOWN  
SIGNIFICANT GROWTH SINCE YESTERDAY. THIS REGION HAS A WELL  
DEVELOPED ARCH FILAMENT SYSTEM, INDICATING FURTHER  
DEVELOPMENT CAN BE EXPECTED. AT THE PRESENT TIME HOWEVER, ITS  
MAGNETIC STRUCTURE IS NOT COMPLEX.  
IB. SUBFLARE ACTIVITY AND ASSOCIATED CLASS C EVENTS ARE  
EXPECTED FROM REGION 508, WITH A SMALL CLASS M EVENT POSSIBLE.  
LARGER EVENTS ARE UNLIKELY UNLESS REGION 508 DEVELOPES A MORE  
COMPLEX MAGNETIC STRUCTURE.  
II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. GENERALLY QUIET  
CONDITIONS ARE EXPECTED DURING THE NEXT 24 HOURS, WITH UNSETTLED  
CONDITIONS BEGINNING ON 23 DEC.  
III. EVENT PROBABILITIES 22 DEC - 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 01  
PREDICTED 22-24 DEC 05/12/10  
SOLTERWARN  
SPAN  
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