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HFUS 1 BOU 180601

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 353A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 18 DECEMBER 1972

IA. NO CHANGE.

IB. NO CHANGE.

II. NO CHANGE.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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HFUS 1 BOU 181300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 353B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 18 DECEMBER 1972

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 503 (S05E03), WHICH HAS A  
LARGE PLAGE BUT ONLY RUDIMENTARY SPOT STRUCTURE, PRODUCED A  
SUBNORMAL CLASS M-1 FLARE AT 18/0646Z. REGION 500 (S18W41) APPEARS  
TO BE DECAYING. IT HAS PRODUCED ONLY CLASS C SUBFLARES WITHIN THE  
PAST 24 HOURS.

IB. INFREQUENT SUBFLARES, SOME POSSIBLY OF CLASS M INTENSITY, ARE  
EXPECTED FROM REGIONS 500 AND 503.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY UNSETTLED. UNSETTLED  
CONDITIONS ARE EXPECTED FOR THE NEXT 36 HOURS.

III. EVENT PROBABILITIES 18-20 DEC

CLASS M 50/40/50

CLASS X 05/03/03

PROTON 03/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 DEC 116

PREDICTED 18-20 DEC 115/113/113

90-DAY MEAN 17 DEC 112

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 DEC 24

ESTIMATED 17 DEC 09

PREDICTED 18-20 DEC 10/08/06

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HFUS BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 353

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 18 DEC 1972

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. AT LEAST SEVEN SUBFLARES HAVE BEEN REPORTED FROM THE FOUR REGIONS ON THE DISK. REGION 503 /S07W02/ PRODUCED A ONE-NORMAL FLARE MAXING AT 18/0653Z REACHING X-RAY CLASS M-1. THIS EVENT PRODUCED MINOR SWF ACTIVITY, AND THE DECLINE IN X-RAY OUTPUT TOOK OVER THREE HOURS. REGION 503 HAS BEEN ENHANCED TO NEAR FLARE BRIGHTNESS FOR FIVE HOURS, AND 506 /N17E32/ HAS ARCH FILAMENTS AND IS GROWING. ALL OTHER REGIONS ARE STABLE OR DECLINING.

IB. SOLAR ACTIVITY WILL REMAIN GENERALLY LOW. REGION 503 MAY PRODUCE SMALL X-RAY FLARES UP TO MEDIUM CLASS M INTENSITY, AND SUBFLARE ACTIVITY WILL CONTINUE FROM 500 AND 506 /N17E32/. REGION 493 IS DUE TO RETURN 19/0000Z AT S19.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY UNSETTLED AND SHOULD REMAIN SO, PERHAPS BECOMING MORE QUIET ON DEC. 21.

III. EVENT PROBABILITIES 19-21 DEC

CLASS M 50/50/50

CLASS X 03/03/03

PROTON 02/05/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 DEC 116

PREDICTED 19-21 DEC 117/120/117

90-DAY MEAN 18 DEC 111.7

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 DEC 010

ESTIMATED 18 DEC 008

PREDICTED 19-21 DEC 008/008/005

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