

NNNN

KBOU

HOUS 2 BOU 130200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
13/0200 MARCH 1973

I. SUNSPOT DATA FROM BOULDER AT 12/1615Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

051 S18W28 018 0030 H 02 03 ALPHA

053 S16W29 019 0010 B 03 04 BETA

054 N13W36 026 0100 D 08 34 BETA-GAMMA

055 S07E11 339 0370 D 10 32 BETA

056 S11E26 324 0110 H 03 04 ALPHA

057 S13E20 330 0090 C 09 30 BETA

058 N08E43 307 0000 A 01 01 ALPHA

MAG-TYPE INFERRED AT BOULDER

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

051 1N 12/0359Z 0408Z 0459Z --

051 1B 12/1058Z 1104Z 1200Z S

III. AREAS OF SPECIAL INTEREST-

REGION 051 (S18W28) & REGION 055 (S07E11)

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HFUS 1 BOU 130600

SDF NUMBER 072A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 13 MARCH 1973

IA. NO CHANGE

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

BT

HFUS 1 BOU 131300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 072 B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 13 MARCH 1973

IA. REGIONS 054 (N13W48), 055 (S07W03), AND 057 (S13E05) HAVE PRODUCED  
SUBFLARES. A SN/IN FLARE AT 13/0859Z IN REGION 054 WAS CLASS M1 AND  
PRODUCED WEAK SHORT WAVE FADEOUTS. NO DRAMATIC CHANGES HAVE OCCURRED  
IN THE VISIBLE REGIONS.

IB. INFREQUENT SMALL CLASS M EVENTS ARE EXPECTED DURING THE NEXT 72  
HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. QUIET TO MILDLY UNSETTLED  
CONDITIONS ARE EXPECTED FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 13-15 MAR

CLASS M 40/40/40

CLASS X 01/01/01

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 MAR 116

PREDICTED 13-15 MAR 115/115/114

90-DAY MEAN 12 MAR 103

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 MAR 08

ESTIMATED 12 MAR 09

PREDICTED 13-15 MAR 08/10/10

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AFUS BOU 132200  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 072

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 13 MARCH 1973

IA. SOLAR ACTIVITY HAS BEEN MODERATE WITH FREQUENT SUBFLARES IN  
REGIONS 054 (N13W49), 055 (S07W02) AND 057 (S13E06). THE MOST  
ENERGETIC WERE BOTH CLASS M1-IN REGION 054 AT 13/0900Z AND IN  
REGION 057 AT 13/1930Z. 10CM RADIO EMISSION WAS OF THE ORDER  
OF 15-25 FLUX UNITS. TYPE III DEKAMETRIC RADIO EVENTS HAVE BEEN  
RECORDED SPORADICALLY TODAY. SOME GROWTH AND/OR DEVELOPMENT HAS  
BEEN REPORTED IN REGIONS 054, 057 AND IN THE TRAILER OF 055. ~~ALTHOUGH~~  
THE LATTER SHOWS OVERALL SIMPLIFICATION.

IB. FREQUENT SUBFLARES THAT MAY OCCASIONALLY EXCEED CLASS M  
THRESHOLDS ARE EXPECTED TO CONTINUE FROM ANY OF THE REGIONS MEN-  
TIONED IN PART I AS WELL AS REGIONS 051 (S18W41) AND 056 (S11E13).

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO MILDLY UNSETTLED. A  
SLOWLY INCREASING LEVEL OF ACTIVITY IS EXPECTED FOR THE NEXT 72  
HOURS. NIGHTTIME SUBSTORMS ARE EXPECTED TO BE AT LEAST MODER-  
ATELY INTENSE THROUGH THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 14 MAR - 16 MAR.

CLASS M 50/50/40

CLASS X 01/01/01

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 13 MAR 120

PREDICTED 14 MAR - 16 MAR 121/122/121

90-DAY MEAN 13 MAR 103

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 12 MAR 10

ESTIMATED 13 MAR 06

PREDICTED 14 MAR - 16 MAR 10/10/12

SOLTERWARN

SPAN

BT