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KBOU

HOUS 2 BOU 240200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
24/0200Z FEB 1973

I. SUNSPOT DATA FROM CANARY IS. AT 23/0815Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

041 S18W42 260 0020 H 01 01 ALPHA

043 S18E38 180 0010 H 01 02 ALPHA

044 N09E78 140 0250 H 03 01 ALPHA

045 S13E47 171 0020 C 03 06 BETA

NOTE- MAGNETIC CLASSIFICATION INFERRED AT CANARY IS.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

044 SN 23/2309Z 2311Z 2320Z MS

III. AREAS OF SPECIAL INTEREST-

DETAILED ANALYSIS OF NEW NORTHEAST REGION OR REGIONS IS STILL
DESIREABLE.

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HFUS 1 BOU 240601
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 055A
JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 24 FEBRUARY 1973
IA. NO CHANGE
IB. NO CHANGE
II. THE GEOMAGNETIC FIELD CONTINUES TO BE DISTURBED. MINOR
STORM IN PROGRESS.
III. NO CHANGE
IV. NO CHANGE
V. NO CHANGE
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HFUS 1 BOU

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 055B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 24 FEBRUARY 1973

IA. SOLAR ACTIVITY HAS BEEN AT A LOW TO MODERATE LEVEL. A ON FLARE
AT 23/2309Z IN REGION 044(N09E61) IS PRELIMINARILY CLASSED AS AN
M1 EVENT. THIS LARGE PLAGE COMPLEX HAS TWO AND POSSIBLY THREE
SUNSPOT GROUPS. A NEW REGION AT S10W68 HAS PRODUCED THREE SUBFLARES
AND CONTINUES SLOW GROWTH. A LARGE PROMINENCE SW08-20 HAS BEEN
ACTIVE FOR SEVERAL HOURS.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A MODERATE LEVEL WITH
CLASS M EVENTS CONTINUING FROM THE NE COMPLEX.

II. THE GEOMAGNETIC FIELD HAS BEEN VERY ACTIVE. IT IS EXPECTED TO
REMAIN SO FOR THE NEXT 12 - 24 HOURS AND THEN BECOME SLIGHTLY
ACTIVE TO MODERATELY UNSETTLED.

III. EVENT PROBABILITIES 24 - 26 FEB

CLASS M 70/70/70

CLASS X 15/15/15

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 FEB 93

PREDICTED 24 - 26 FEB 95/97/98

90-DAY MEAN 23 FEB 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 22FEB 27

ESTIMATED 23 FEB 29

PREDICTED 24 - 26 FEB 30/16/12

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HFUS BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 055

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 24 FEB 1973

IA. SOLAR ACTIVITY IS CURRENTLY AT A LOW LEVEL. REGION 044/N06E63/
HAS BEEN PRODUCING NON-ENERGETIC SUBFLARES AT A RATE OF ABOUT ONE
PER TWO HOURS, BUT THERE HAVE BEEN NO SIGNIFICANT X-RAY EVENTS
REPORTED SINCE THE M-1 EVENT AT 23/2309Z. THIS REGION HAS A COMPLEX
MAGNETIC STRUCTURE AND SIGNIFICANT GROWTH IS OCCURRING IN THE SPOT
GROUP.

IB. ALTHOUGH REGION 044 IS PRESENTLY INACTIVE, ENERGETIC FLARES UP
TO CLASS M5 ARE EXPECTED DURING THE NEXT 48 HOURS. SHORT WAVE FADES
OF MODERATE INTENSITY SHOULD ACCOMPANY THESE EVENTS, BUT THEY SHOULD
BE RELATIVELY SHORT LIVED, LASTING LESS THAN 30 MINUTES.

II. THE GEOMAGNETIC FIELD REMAINS DISTURBED WITH ACTIVE CONDITIONS
DURING LOCAL DAYLIGHT HOURS AND MINOR MAGNETIC STORM CONDITIONS
DURING LOCAL MIDNIGHT HOURS. THESE CONDITIONS SHOULD PERSIST FOR THE
NEXT 24 HOURS. THE FIELD SHOULD THEN BECOME GENERALLY UNSETTLED
WITH OCCASSIONAL ACTIVE PERIODS IN THE NIGHTTIME HEMISPHERE.

III. EVENT PROBABILITIES 25-27 FEB

CLASS M 70/70/75

CLASS X 10/10/15

PROTON 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 FEB 98

PREDICTED 25-27FEB 100/102/105

90-DAY MEAN 24 FEB 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 FEB 27

ESTIMATED 24 FEB 29

PREDICTED 25-27 FEB 28/15/08

SOLTERWARN

SPAN

BT