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KBOU

HOUS 2 BOU 150200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
15/0200Z FEB 1973.

I. SUNSPOT DATA FROM CANARY IS. AT 14/0900Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

029 N07W38 016 0040 H 00 01 ALPHA

030 N11W41 019 0120 C 02 04 BETA

031 N12W54 032 0010 A 01 02 ALPHA

033 S04E02 336 0020 H 00 01 ALPHA

034 S17E30 308 0160 D 07 11 BETA

036 S17W42 020 0010 A 00 01 ALPHA

037 S08E50 288 0120 D 03 12 BETA

039 N15W54 032 0080 D 05 06 BETA

NOTE: MAGNETIC CLASSIFICATIONS FROM CANARY IS.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS:

RGN IMP BEGIN MAX END CLASS

039 1F B14/2253 2256 2302

NOTE: X-RAY DATA NOT AVAILABLE

III. AREAS OF SPECIAL INTEREST:

RGN 039

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HFUS 1 BOU 150600 047A

SDF NUMBER 046A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACITIVITY  
ISSUED 0600Z 15 FEB 1973.

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 151300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 046B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 15 FEBRUARY 1973

IA. SOLAR ACTIVITY HAS INCREASED SLIGHTLY. SIX FLARES HAVE BEEN  
REPORTED DURING THE PAST 15 HOURS. FIVE OF THESE OCCURRED IN REGION  
039 (N15W67). TWO WERE X-RAY FLARES, CLASS YET UNDETERMINED. GROWTH  
HAS CONTINUED IN THIS REGION AND REGION 034 (S17E17). OTHER REGIONS  
ARE STABLE.

IB. X-RAY FLARES UP THROUGH SMALL CLASS M ARE EXPECTED FROM REGION  
039 AND POSSIBLE FROM REGION 034 IF INTENSIFICATION CONTINUES.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. IT IS EXPECTED TO BECOME  
UNSETTLED THE LATTER PART OF THIS ZULU DAY AND THEN REMAIN SO FOR  
THE BALANCE OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 15-17 FEB

CLASS M 30/30/30

CLASS X 02/02/02

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 FEB 108

PREDICTED 15-17 FEB 108/108/107

90-DAY MEAN 14 FEB 104

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 FEB 04

ESTIMATED 14 FEB 06

PREDICTED 15-17 FEB 06/14/10

SOLTERWARN

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KBOU

HFUS BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 046

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 15 FEBRUARY 1973

IA. SOLAR ACTIVITY REMAINS LOW. REGION 039 (N14W74) WAS RESPONSIBLE FOR A NUMBER OF C-CLASS SUBFLARES AS WELL AS A SUB-BRILLIANT (MAXIMUM AT 14/2312Z) WHICH BARELY REACHED M-CLASS CRITERIA. THE ACTIVITY IN REGION 039 WAS ACCOMPANIED BY TYPE III AND IV RADIO BURSTS FROM 8 TO 80 MHZ AND SEVERAL SMALL DISCRETE FREQUENCY BURSTS AT CENTIMETER WAVELENGTHS. ALL OTHER REGIONS HAVE BEEN FAIRLY QUIET.

IB. REGION 039 APPEARS TO HAVE STABILIZED AS IT APPROACHES THE WEST LIMB. REGION 034 (S17E08) NOW CONTAINS A STRONG LEADER POLARITY INCURSION IN THE TRAILER PORTION. CONSEQUENTLY, THE NEUTRAL LINE HAS BECOME COMPLEX. WHILE THE REGION HAS BEEN QUIET FOR ALMOST 48 HOURS, IT MUST EVENTUALLY ADJUST ITSELF TO ITS NEW MAGNETIC SITUATION. WHEN THIS HAPPENS, MODERATE M-CLASS FLARES MAY OCCUR HERE. REGION 037 (S08E29) HAS ALSO BEGUN TO PRODUCE A FEW C-CLASS SUBFLARES AND MAY BE EXPECTED TO CONTINUE THIS NON-ENERGETIC ACTIVITY. OTHER REGIONS ARE STABLE OR DECLINING. NO OLD REGIONS ARE DUE TO RETURN.

II. THE GEOMAGNETIC FIELD HAS REMAINED QUIET FOR THE PAST 24 HOURS. IT IS EXPECTED TO BECOME SLIGHTLY UNSETTLED EARLY IN THE FORECAST PERIOD AND REMAIN SO THROUGH THE PERIOD. SLIGHTLY ACTIVE CONDITIONS ARE EXPECTED DURING LOCAL NIGHTTIME PERIODS.

III. EVENT PROBABILITIES 16 FEB - 18 FEB.

CLASS M 45/45/30

CLASS X 05/05/03

PROTON 05/05/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 15 FEB 107

PREDICTED 16 FEB - 18 FEB 106/105/104

90-DAY MEAN 15 FEB 104

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 14 FEB 07

ESTIMATED 15 FEB 08

PREDICTED 16 FEB - 18/13710/12/08

SOLTERWARN

SPAN

BT