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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
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039	1F	B14/2253	2256	2302	
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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 ACTIVITY
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
UNSETLED 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

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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 ACCCOMPANIED 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 UNSETLED 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/ !3? 10/12/08

SOLTERWARN

SPAN

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