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HOUS 2 BOU 050200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
05/0200Z APRIL 1973.

I. SUNSPOT DATA FROM RAMEY AT 04/1120Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

064	S04W30	079	0750	E	11	44	BETA-GAMMA-DELTA
067	N13E10	039	0150	H	03	06	ALPHA
070	S11E23	026	0000	H	01	01	ALPHA
071	S10E56	353	0110	C	05	07	BETA-GAMMA
072	S12E69	340	0050	C	04	02	BETA
073	S12W54	355	0000	A	00	01	ALPHA

NOTE: MAGNETIC CLASSIFICATIONS FROM BOULDER SPECTROHELIOSCOPE.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS:

RGN	IMP	BEGIN	MAX	END	CLASS
072	IN	04/1130Z	1200	A1300	M1

III. AREAS OF SPECIAL INTEREST:

REGION 056 APPEARS TO BE RETURNING WITH SURGE ACTIVITY
AT SE10.

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HFUS 1 BOU 050600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 095A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 05 APRIL 1973.

IA. SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 8 HOURS. ONLY
TWO C-CLASS SUBFLARES HAVE BEEN REPORTED.

IB. REGION 064 (S04W41) APPEARS TO BE DECLINING IN WHITE LIGHT
AND H-ALPHA. THIS DOES NOT RULE OUT THE POSSIBILITY OF A MAJOR FLARE
FROM THIS REGION.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE LAST 8 HOURS. IT IS
EXPECTED TO BECOME UNSETLED EARLY IN THE FORECAST PERIOD.

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 095B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1300Z 05 APRIL 1973

IA. SOLAR ACTIVITY REMAINS LOW. REGION 064(S06W43) CONTINUES TO EXHIBIT DECAY IN THE TRAILER PORTION AND STRUCTURAL CHANGE IN THE LEADER. REGION 067(N12W04) CONTINUES TO DECLINE, BUT THE POSSIBLE EMERGENCE OF A NEW BIPOLE REGION NE OF THE LEADER HAS BEEN REPORTED. REGION 071(S10E42) HAS PRODUCED 4 SUBFLARES, ALL FROM AN AREA SE OF THE LARGE SPOT. REGIONS 070, 072, 073(S11E09/S13E55/S13W68) REMAIN QUIET.

IB. REGIONS 064 AND 071 EXHIBIT POTENTIAL FOR ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN ~~UNSETLED~~ FOR THE PAST 7 HOURS, AND SHOULD CONTINUE TO BE THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 05 - 07 APR

CLASS M 85/85/85

CLASS X 10/10/10

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 APR 122

PREDICTED 05 - 07 APR 120/118/116

90-DAY MEAN 04 APR 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 APR 22

ESTIMATED 04 APR 11

PREDICTED 05 - 07 APR 15 12/10

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HFUS BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 095

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 05 APRIL 1973

IA. SOLAR ACTIVITY HAS BEEN LOW WITH SIX CLASS C SUBFLARES REPORTED TODAY. REGION 064 (S05W49) REMAINS LARGE AND MAGNETICALLY COMPLEX, HOWEVER, THE DELTA CONFIGURATION APPEARS TO BE WEAKENING AND FOLLOWER SPOTS ARE DECAYING. AN ISOLATED POLE HAS FORMED ABOVE THE LEADER SPOT OF REGION 067 (N12W02). MINOR SURGE ACTIVITY ON THE SOUTHEAST LIMB IS PROBABLY ASSOCIATED WITH RETURNING REGION 056. TYPE IV DEKAMETRIC RADIO ACTIVITY IS OCCURRING AGAIN TODAY.

IB. REGION 064 STILL APPEARS CAPABLE OF PRODUCING CLASS M FLARES. CLASS C ACTIVITY SHOULD INCREASE IN REGION 067.

II. THE GEOMAGNETIC FIELD IS PRESENTLY QUIET. QUIET TO MILDLY UNSETTLED CONDITIONS ARE EXPECTED DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 06-08 APRIL

CLASS M 70/65/60

CLASS X 10/05/05

PROTON 10/05/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 APR 118

PREDICTED 06-08 APR 116/114/111

90-DAY MEAN 05 APR 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 APR 10

ESTIMATED 05 APR 09

PREDICTED 06-08 APR 11/10/12

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER .095

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 05 APRIL 1973

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