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KBOU

HOUS 2 BOU 170200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT 170200
JUNE 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT 161730Z.
LOCATIONS VALID AT 170000Z.

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
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0131	N16W53	211	0010	A	01	01		ALPHA
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0132	S15W53	211	0000	A	00	01		ALPHA
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0137	N12E08	150	0070	C	08	29		BETA-GAMMA
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0141	N15E11	147	0010	B	03	07		BETA
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0143	S15W27	185	0010	A	02	02		ALPHA
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IA. H-ALPHA PLACES WITHOUT SPOTS. LOCATIONS VALID AT 170000Z.

NMBR	LOCATION	LO
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0135	S13W33	191
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0140	S12E36	122
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0142	S04E55	103
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0144	N22E00	158
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0145	N07W44	202
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II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN	IMP	BEGIN	MAX	END	CLASS
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137	2B	161416Z	1426Z	1516Z	M3
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III. AREAS OF SPECIAL INTEREST-

REGION 137/141.

SOLTERWARN

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 168 A

JOINT AESU/SESC SECONDARY

REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600 Z 17 JUNE 1973

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST EIGHT HOURS.
FIVE NON-ENERGETIC SUBFLARES HAVE OCCURRED IN FIVE
SEPARATE REGIONS. STRUCTURAL CHANGES CONTINUE IN
THE REGIONS 137/141 COMPLEX CENTERED NEAR N13 E07
AS NEW FLUX PATTERNS EMERGE.

IB. NO CHANGE

II. NO CHANGE

III. EVENT PROBABILITIES NO CHANGE

CLASS M

CLASS X

PROTON

PCAF

IV. OTTAWA 10.7 CM FLUX

OBSERVED

PREDICTED

90-DAY MEAN

NO CHANGE

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG

ESTIMATED

PREDICTED

NO CHANGE

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HFUS 1 BOU 171300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 168B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 17 JUNE 1973

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS. THE MOST SIGNIFICANT ACTIVITY WAS AN IMPORTANCE 2B FLARE ACCOMPANIED BY X-RAY AND RADIO EVENTS AT 1420Z, 16 JUNE FROM REGION 137 (N12E02). THIS REGION HAS SINCE PRODUCED FOUR SUBFLARES. REGION 141 (N14E04) HAS PRODUCED 6 SUBFLARES IN THE PAST 24 HOURS AND APPEARS TO BE GROWING. REGION 143 (S14W34) HAS PRODUCED THE MOST RECENT ACTIVITY WITH A SUBFLARE AT 1123Z, BUT APPEARS TO BE IN A DECLINING PHASE. NEW REGION 145 (N08W44) HAS SHOWN SOME SPOT GROWTH.

IB. CONSIDERING THE COMPLEXITY OF REGION 137-141 AND THE NUMBER OF OTHER REGIONS THERE IS A GOOD POSSIBILITY OF INCREASED ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE BUT IS EXPECTED TO SUBSIDE DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 17 JUN - 19 JUN

CLASS M 60/60/60

CLASS X 10/10/10

PROTON 01/02/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 JUN 92

PREDICTED 17 JUN - 19 JUN 93/94/94

90-DAY MEAN 16 JUN 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 JUN 12

ESTIMATED 16 JUN 11

PREDICTED 17 JUN - 19 JUN 15/10/10

SOLTERWARN

SPAN

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KBOU

HFUS BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 168

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 17 JUNE 1973.

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS. ONLY NON-
ENERGETIC SUBFLARES HAVE BEEN OBSERVED AND THESE HAVE COME PRI-
MARILY FROM REGION 143 (S14W39) WHICH NO LONGER HAS SPOTS.

THE 137/141 COMPLEX SHOWS DECAY IN 141 (N15W04) AND THE LEADER
OF 137 (N12W07) AND GROWTH AND REORGANIZATION IN THE TRAILER
OF 137. ACTIVITY IN 137/141 FOR THE PAST 18 HOURS HAS BEEN
LIMITED TO PLAGE FLUCTUATIONS AND DARK SURGES. SMALL SURGES
AND ONE SUBFLARE HAVE BEEN OBSERVED FROM REGION 147 (S06E86)
WHICH IS A SMALL PLAGE NOW CROSSING THE EAST LIMB.

IB. INFREQUENT CLASS M EVENTS ARE EXPECTED FROM THE 137/141
COMPLEX DURING THE NEXT 72 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE. UN-
SETTLED CONDITIONS ARE EXPECTED TO PERSIST FOR THE NEXT 24-36
HOURS. QUIET CONDITIONS WILL PREVAIL THEREAFTER.

III. EVENT PROBABILITIES 18 JUN - 20 JUN.

CLASS M 55/55/55

CLASS X 08/08/08

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 17 JUN 87

PREDICTED 18 JUN - 20 JUN 86/85/84

90-DAY MEAN 17 JUN 98

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 16 JUN 10

ESTIMATED 17 JUN 14

PREDICTED 18 JUN - 20 JUN 10/08/06

SOLTERWARN

SPAN

BT