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KBOU

HOUS 2 BOU 250200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
25/0200Z SEPT 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
24/1700Z. LOCATIONS VALID AT 25 SEPT 0000Z.

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
0227	N14W51	327	0010	A	01	01	ALPHA	
0231	N04W07	283	0010	B	03	05	BETA	
0234	N05E15	261	0090	H	02	02	ALPHA	
0236	N14E21	255	0280	D	09	23	BETA GAMMA	
0241	N21E76	200	0100	H	02	01	ALPHA	
0242	N13E29	247	0010	A	00	01	ALPHA	
0243	N09E16	260	0010	A	00	01	ALPHA	
0244	N03E13	263	0010	A	00	01	ALPHA	

MAGNETIC CLASSIFICATIONS FROM MT. WILSON.

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 25 SEPT 0000Z.

NMBR LOCATION LO

0226	S08W72	348
0228	S15W53	329
0240	S15E17	259

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN	IMP	BEGIN	MAX	END	CLASS
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241	IN	24/0242Z	0244Z	0256Z	-
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III. AREAS OF SPECIAL INTEREST-

REGION 236 MAY BE DEVELOPING MORE COMPLEX MAGNETIC STRUCTURE.

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HFUS 1 BOU 250600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 268A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 25 SEPTEMBER 1973

IA. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. REGION 236 (N14E20) CONTINUES TO GROW IN WHITE LIGHT. ALL OTHER REGIONS APPEAR STABLE AND QUIET.

IB. NO MAJOR ACTIVITY IS EXPECTED DURING THE NEXT SEVEN HOURS.

II. THE MINOR GEOMAGNETIC DISTURBANCE CONTINUES.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE

SOLTERWARN

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HFUS 1 BOU 251300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 268B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 25 SEPTEMBER 1973

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW. SLIGHT DEVELOPMENT HAS OCCURRED IN REGION 235 (N14E14). A REGION CONTAINING AN H-TYPE SPOT WITH ENHANCED FOLLOWING PLAGE HAS CROSSED THE EAST LIMB NEAR S16. THIS REGION MAY BE OLD REGION 209.

IB. NO MAJOR ACTIVITY IS EXPECTED. REGION 236 PROBABLY HAS THE GREATEST FLARE POTENTIAL OF ANY OF THE DISK REGIONS.

II. THE LEVEL OF GEOMAGNETIC DISTURBANCE HAS DECREASED DURING THE PAST SEVEN HOURS. K- INDICES AT BOULDER FOR 0600-0900Z AND 0900-1200Z ARE 3 AND 2 RESPECTIVELY.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

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HFUS BOU 252225

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 268

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 25 SEP 1973

IA. SOLAR ACTIVITY CONTINUES LOW, ALTHOUGH THE FREQUENCY OF
NON ENERGETIC SUBFLARES HAS INCREASED. REGION 236 (N14 E09)
HAS PRODUCED FOUR SUBFLARES AND HAS SHOWN FURTHER SPOT GROWTH.
THIS REGION ALSO CONTAINS A COMPLEX MAGNETIC CONFIGURATION WITH
A POSSIBLE DELTA IN THE LEADER, AND IT APPEARS CAPABLE OF PRODUCING
ENERGETIC EVENTS. REGION 231 (N05W22) PRODUCED ONE SUBFLARE BUT
HAS NOT EXHIBITED ANY ADDITIONAL GROWTH SINCE YESTERDAY. REGION
241 (N21E66) PRODUCED A ONE NORMAL AT 25/0100Z BUT HAS BEEN QUIET
SINCE THEN. REGION 245 (S16E74) PRODUCED A C6 X RAY CLASS SUBFLARE
AT 25/1810Z, BUT THIS REGION HAS ALSO BEEN QUIET SINCE THEN.
AN ACTIVE SURGE REGION AT SE12 HAS PRODUCED SOME FLARE BRIGHT
SURGES AND PROBABLY INDICATES THE RETURN OF OLD REGION 215.
SOME SMALL SURGES IN THE NE PROBABLY INDICATES THE RETURN OF OLD
REGION 212 AT N04. REGION 219 IS DUE BACK ON 28 SEPT AT S12.

IB. SOLAR ACTIVITY SHOULD INCREASE TO MODERATE LEVELS WITH AT
LEAST ONE CLASS M EVENT LIKELY, PROBABLY FROM REGION 236.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE DURING
THE LAST 24 HOURS. THE DISTURBANCE SHOULD CONTINUE AT SIMILAR
LEVELS FOR THE NEXT TWO DAYS, BECOMING SOMEWHAT QUIETER NEAR
THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 26 SEP-28 SEP

CLASS M 60/65/70

CLASS X 05/05/05

PROTON 01/02/03/

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 SEP 112

PREDICTED 26 SEP-28 SEP 114/117/120

90-DAY MEAN 25 SEP 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 SEP 22

ESTIMATED 25 SEP 15

PREDICTED 26 SEP-28 SEP 18/18/15

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