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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

241	1N	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

SPAN

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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 236 (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 GREAT-  
EST 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

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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 UNSETTLED 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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