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KBOU

HOUS 2 BOU 100200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
100200 SEPT. 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT  
09/1650. LOCATIONS VALID AT 10 SEPT 0000Z.

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
02 09	S14W83	193	0140	H	01	03		ALPHA
02 10	N23W89	203	0130	H	01	02		ALPHA
02 12	N14W51	165	0290	H	03	06		ALPHA
02 15	S17W46	160	0010	B	07	08		BETA
02 19	S13W23	137	0110	D	10	54		BETA-GAMMA
0224	S10W39	153	0090	C	06	23		BETA

IA. NONE.

II. NONE.

III. NONE.

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HFUS 1 BOU 100600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 253A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 10 SEPTEMBER 1973

IA. DURING THE PAST EIGHT HOURS REGION 224 (S10W42) HAS PRODUCED  
SEVERAL SMALL CLASS M FLARES. REGION 224 HAS PRODUCED MOST OF THE  
ACTIVITY. REGION 209 (S14W86) IS STILL CAPABLE OF PRODUCING CLASS  
M FLARES.

IB. NO MAJOR ACTIVITY IS EXPECTED DURING NEXT SEVEN HOURS. CLASS C  
AND CLASS M FLARES ARE PROBABLE FROM REGIONS 224 AND 209.

II. THE MINOR GEOMAGNETIC DISTURBANCE HAS DECREASED DURING THE PAST  
THREE HOURS. THE DISTURBANCE IS EXPECTED TO REMAIN AT MINOR LEVEL  
DURING THE NEXT 24 HOURS.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 101300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 253B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 10 SEPTEMBER 1973

IA. SOLAR ACTIVITY HAS INCREASED SLIGHTLY DURING THE LAST 24 HOURS.  
DURING THE EARLY PORTION OF THE PERIOD, SEVERAL SUBFLARES WERE  
REPORTED FROM REGION 209 WHICH IS CURRENTLY ROTATING OFF THE DISK  
AT S14W90. AN ERRUPTIVE PROMINANCE WAS OBSERVED ON THE WEST LIMB  
SOUTH OF THIS REGION AT S24 BETWEEN 10/0200Z AND 10/0530Z. REGION  
224 (S10W46) CONTINUES TO SHOW RAPID GROWTH IN BOTH H-ALPHA AND  
WHITE LIGHT AND HAS PRODUCED FREQUENT SUBFLARES, INCLUDING A LARGE  
SUB BRILLIANT FLARE AT 0232Z WHICH TENTATIVELY REACHED A CLASS M-1.  
IB. WITH CONTINUED GROWTH POSSIBLE IN REGION 224, CONTINUED FREQUENT  
SUBFLARES ARE LIKELY WITH A GOOD CHANCE OF SMALL CLASS M EVENTS FROM  
THIS REGION.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE AT TIMES DURING THE LAST  
24 HOURS AND SHOULD CONTINUE UNSETTLED TO ACTIVE DURING THE FIRST HALF  
OF THE FORECAST PERIOD, BECOMING UNSETTLED BY THE END OF THE PERIOD.

III. EVENT PROBABILITIES 10 SEP - 12 SEP

CLASS M 60/65/70

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 SEP 112

PREDICTED 10 SEP - 12 SEP 106/100/98

90-DAY MEAN 09 SEP 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 SEP 07

ESTIMATED 09 SEP 20

PREDICTED 10 SEP - 12 SEP 15/15/10

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KBOU

HFUS BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 253

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 10 SEP 1973.

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS.  
REGION 224 (S09W52) HAS CEASED ITS RAPID GROWTH BUT REMAINS MOST  
ACTIVE. IT HAS PRODUCED 8 FLARES, THE LARGEST OF WHICH WAS AN  
X-RAY CLASS M-1, ONE-NORMAL FLARE THAT HAD A DOUBLE MAXIMUM  
(FIRST AT 0232Z, SECOND AT 0259Z) AND HAD ASSOCIATED SHORT WAVE  
FADES AND RADIO BURSTS. REGION 215 (S17W57) HAS PRODUCED 3 SUB-  
FLARES THAT APPEARED ALMOST SIMULTANEOUSLY AND PERHAPS  
SYMPATHETICALLY WITH FLARE ACTIVITY IN REGION 224. REGION 219  
(S15W34) HAS BEEN STABLE THROUGH MOST OF THE PERIOD, ALTHOUGH  
THERE HAVE BEEN 3 SUBFLARES DURING THE PAST 4 HOURS.

REGIONS 209 AND 210 HAVE BEEN PASSING OVER THE WEST LIMB WITH  
ASSOCIATED PROMINENCE AND SURGE ACTIVITY.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE MODERATE THRU THE NEXT  
36 HOURS AND DECLINE SHORTLY THEREAFTER. OLD REGION 203 IS DUE  
TO RETURN IN APPROXIMATELY 24 HOURS AT N15 BUT NO SIGNIFICANT  
ACTIVITY IS EXPECTED FROM IT.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING THE PAST 24 HOURS.  
IT IS EXPECTED TO DECLINE TO UNSETLED CONDITIONS DURING THE NEXT  
48 HOURS.

III. EVENT PROBABILITIES 11 SEPT -13 SEPT

CLASS M 60/50/40

CLASS X 05/02/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 SEP 107

PREDICTED 11-13 SEP 102/98/95

90-DAY MEAN 10 SEP 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 09 SEPT 22

ESTIMATED 10 SEPT 18

PREDICTED 11 SEP -13 SEP 15/10/07

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