

NNNN

KBOU

HOUS 2 BOU 110200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED
AT 110200Z SEPT 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN
AT 10/1430Z. LOCATIONS VALID AT 11 SEPT 0000Z.

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
212	N14W64	165	0300	H	03	01	ALPHA	
219	S15W36	137	0120	D	08	30	BETA	
224	S09W52	153	0140	D	05	26	BETA	

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 11 SEPT 0000Z.

NMBR	LOCATION	LO	COMMENT
215	S17W59	160	SOME FLARE ACTIVITY PERHAPS SYMPATHETIC WITH REGION 224 ACTIVITY.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS

RGN	IMP	BEGIN	MAX	END	CLASS
224	SB	10/0223Z	0232Z	0235Z	M-1 S
224	1N	10/0256Z	0259Z	0324Z	M-1 S

III. AREAS OF SPECIAL INTEREST

REGION 224

SPAN

BT

NNNN

KBOU

HFUS 1 BOU 110600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 254A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 11 SEPTEMBER 1973

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 8 HOURS. REGION 224
(S10W52) HAS SHOWN A LITTLE GROWTH, OTHER REGIONS ARE QUIET AND
STABLE.

IB. IN THE MESSAGE SDF 253 ISSUED 2200Z PART IB WAS IN ERROR. REGION
203 IS NOT DUE TO RETURN ON 11 SEPTEMBER. NO MAJOR ACTIVITY IS
EXPECTED DURING THE NEXT SEVEN HOURS.

II. THE MINOR GEOMAGNETIC DISTURBANCE IS STILL IN PROGRESS, DURING
THE NEXT 24 HOURS THE DISTURBANCE WILL START TO DECREASE.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLIERWARN

SPAN

BT

HFUS 1 BOU 111300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 254B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 11 SEPTEMBER 1973

IA. SOLAR ACTIVITY HAS BEEN GENERALLY LOW DURING THE LAST 24 HOURS
WITH A FEW SUBFLARES REPORTED FROM REGIONS 219 (S15W43) AND 224
(S09W59). A SUB-BRILLIANT FLARE AT 11/0704Z REACHED AN M1 X-RAY
CLASS AND WAS ACCCOMPANIED BY SHORT WAVE FADES. SPOT DECAY HAS BEEN
OBSERVED IN BOTH REGIONS 219 AND 224.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW WITH OCCASIONAL SUBFLARES,
POSSIBLY INCLUDING SOME SMALL CLASS M EVENTS, EXPECTED FROM REGIONS
219 AND 224.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE DURING THE
LAST 24 HOURS. UNSETLED CONDITIONS DURING THE FIRST PORTION OF THE
FORECAST PERIOD SHOULD GRADUALLY BECOME QUIET BY THE END OF THE PERIOD.

III. EVENT PROBABILITIES 11 SEP - 13 SEP

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 SEP - 13 SEP 102/98/95

90-DAY MEAN 10 SEP 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 09 SEP 22

ESTIMATED 10 SEP 18

PREDICTED 11 SEP - 13 SEP 15/10/07

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 254

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 11 SEPT 1973

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS.
REGION 224 (S09W64) APPEARS TO BE DECLINING: IT PRODUCED A SUB-BRIGHT M-1 FLARE WITH ASSOCIATED SHORT WAVE FADES AND RADIO BURSTS AT 0655Z BUT HAS BEEN QUIET SINCE THEN. REGION 219 (S10W45) HAS PRODUCED 7 SUBFLARES BUT APPEARS TO BE SLOWLY DECAYING. REGIONS 212 (N13W75) AND 215 (S17W71) HAVE ASSOCIATED MINOR ACTIVE PROMINENCES BUT ARE OTHERWISE STABLE. NEW REGION 225 (N14E44) CONSISTS OF A SMALL DIM PLAGE WITHOUT SPOTS THAT HAS BEEN VISIBLE SINCE SEPT. 9TH.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE TO LOW AND DECLINE WITH THE DEPARTURE OF THE REGIONS NOW PRESENT. OLD REGION 193 IS DUE TO RETURN LATE SEPT 12TH AT ABOUT N14 BUT NO SIGNIFICANT ACTIVITY IS EXPECTED.

II. THE GEOMAGNETIC FIELD HAS DECLINED TO UNSETLED CONDITIONS DURING THE PAST 24 HOURS AND IS EXPECTED TO BE UNSETLED TO QUIET DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 12 - 14 SEPT.

CLASS M 50/50/40

CLASS X 05/02/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 SEPT 96

PREDICTED 12-14 SEPT 91/89/89

90-DAY MEAN 11 SEPT 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 SEPT 21

ESTIMATED 11 SEPT 10

PREDICTED 12-14 SEPT 07/05/08

SOLTERWARN

SPAN

BT