

NNNN

KBOU

HOUS 2 BOU 090200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
090200 SEPT 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
08/1530Z. LOCATIONS VALID AT 09 SEPT 0000Z.

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
0209	S14W67	193	0140	H	03	06		ALPHA
0210	N22W74	200	0130	H	02	01		ALPHA
0212	N14W38	164	0280	H	03	01		ALPHA
0215	S18W32	158	0010	B	03	09		BETA
0219	S12W09	135	0100	D	10	56		BETA-GAMMA

IA. NONE.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN	IMP	BEGIN	MAX	END	CLASS
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219	IN	08/1217Z	1220Z	1300Z	-
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III. AREAS OF SPECIAL INTEREST-

REGION 0219

SOLTERWARN

SPAN

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HFUS 1 BOU 090600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 252A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 09 SEPTEMBER 1973

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST EIGHT HOURS. ONLY A FEW NON ENERGETIC SUBFLARES HAVE BEEN OBSERVED. ALL REGIONS APPEAR STABLE.

IB. NO MAJOR SOLAR ACTIVITY IS EXPECTED. CLASS C FLARES AND AN OCCASIONAL CLASS M FLARE ARE PROBABLE. REGION 219 (S13W10) IS THE MOST LIKELY FLARE PRODUCER.

II. THE GEOMAGNETIC FIELD HAS BEEN VERY QUIET. A MINOR RECURRENT DISTURBANCE IS EXPECTED TO BEGIN ON 09 SEPTEMBER.

III. NO CHANGE.

IV. NO CHANGE.

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 SEPTEMBER 09

ESTIMATED 08 SEPTEMBER 07

PREDICTED 09 SEPT-11 SEPT 20/20/15

SOLTERWARN.

SPAN

BT

HFUS 1 BOU 091300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 252B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 09 SEPTEMBER 1973

IA. SOLAR ACTIVITY CONTINUES LOW WITH ONLY OCCASIONAL SUBFLARES REPORTED DURING THE LAST EIGHT HOURS. MOST OF THESE SUBFLARES HAVE COME FROM REGION 219 (S12W16) WHICH CONTAINS AN ACTIVE DARK FILAMENT AND HAS SHOWN SOME SPOT GROWTH NORTH OF THE LEADER. NEW REGION 224 (S10W32) IS SHOWING RAPID GROWTH AND CONTAINS AN ARCH FILAMENT SYSTEM. HOWEVER, NO ACTIVITY HAS YET BEEN OBSERVED FROM THIS REGION.

IB. ACTIVITY SHOULD REMAIN LOW WITH A GOOD CHANCE OF ONE OR TWO SMALL CLASS M EVENTS DURING THE FORECAST PERIOD. REGION 219 REMAINS THE MOST PROBABLE SOURCE OF ACTIVITY.

II. A SUDDEN COMMENCEMENT WAS OBSERVED AT 09/0907Z WITH A K VALUE JUST REACHING 5 DURING THE NEXT HOUR. THE GEOMAGNETIC FIELD HAS BEEN RELATIVELY QUIET SINCE 1030Z. ACTIVE GEOMAGNETIC CONDITIONS ARE LIKELY THROUGH THE FORECAST PERIOD. PROTON ENHANCEMENTS CONTINUE AT SATELLITE ALTITUDES WITH A 21-70 MEV RANGE AVERAGING 5 TO 7 TIMES BACKGROUND.

III. EVENT PROBABILITIES 09 SEP - 11 SEP

CLASS M 60/50/35

CLASS X 02/02/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 SEP 114

PREDICTED 09 SEP - 11 SEP 109/105/100

90-DAY MEAN 08 SEP 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 SEP 09

ESTIMATED 08 SEP 07

PREDICTED 09 SEP - 11 SEP 25/20/15

SOLTERWARN

SPAN

BT

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 252

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 09 SEPT 1973

IA. SOLAR ACTIVITY HAS CONTINUED LOW DURING THE PAST 24 HOURS WITH 16 SUBFLARES OBSERVED. REGION 219 (S13W22) HAS SHOWN SPOT AND PLAGE GROWTH AND 8 SUBFLARES, BUT APPEARS TO BE BECOMING STABLE. REGION 224 (S10W38) HAS BEEN GROWING STEADILY AND HAS PRODUCED 4 SUBFLARES. REGION 209 (S14W82) HAS PRODUCED 3 SUBFLARES AND ASSOCIATED FILAMENT ACTIVITY.

IB. SOLAR ACTIVITY IS EXPECTED TO DECREASE SLIGHTLY OVER THE NEXT 72 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE FOLLOWING A GRADUAL COMMENCEMENT AT ABOUT 0730Z. THE PROTON ENHANCEMENT HAS SHOWN STEADY DECLINE. THE GEOMAGNETIC FIELD IS EXPECTED TO DECLINE IN ACTIVITY OVER THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 10 SEPT-12 SEPT

CLASS M 50/30/25

CLASS X 02/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 SEPT 112

PREDICTED 10 SEPT-12 SEPT 106/100/98

90-DAY MEAN 09 SEPT 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 SEPT 07

ESTIMATED 09 SEPT 25

PREDICTED 10 SEPT-12 SEPT 20/15/10

SOLTERWARN