

NNNN

KBOU

HOUS 2 BOU 280200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
28/0200Z OCT 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
27/1630 U.T. LOCATIONS VALID AT 28 OCT 0000Z.

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
0264	S13W01	201	0540	D	07	40	BETA	DELTA
0265	N22E09	191	0010	A	01	05	ALPHA	
0266	N11E33	167	0050	H	02	01	ALPHA	
0267	N16E46	154	0070	H	02	03	ALPHA	
0268	S10E15	185	0010	A	01	03	ALPHA	

MAGNETIC CLASSIFICATIONS FROM MT. WILSON.

IA. NONE.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN	IMP	BEGIN	MAX	END	CLASS
267	2N	27/1543Z	1635Z	1851Z	M3-S

III. AREAS OF SPECIAL INTEREST-

RGN 264

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HFUS 1 BOU 280600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 301A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 28 OCTOBER 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. NO FLARES HAVE BEEN OBSERVED AND ALL REGIONS APPEAR STABLE AND QUIET.

IB. NO MAJOR ACTIVITY IS EXPECTED DURING THE NEXT 7 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN VERY QUIET DURING THE PAST 8 HOURS.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 281300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 301B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 28 OCTOBER 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. REGION
264 (S13W08) PRODUCED A SUBNORMAL PARALLEL RIBBON FLARE AT 0855Z.
OTHERWISE ALL REGIONS HAVE BEEN STABLE AND QUIET. MINOR SURGING HAS
BEEEN REPORTED ON THE EAST LIMB AT N10.

IB. NO MAJOR ACITIVITY IS EXPECTED DURING THE NEXT 8 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND QUIET TO UNSETLED
CONDITIONS ARE EXPECTED DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 28 OCT - 30 OCT

CLASS M 25/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 OCT 102

PREDICTED 28 OCT - 30 OCT 101/100/97

90-DAY MEAN 27 OCT 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 26 OCT 03

ESTIMATED 27 OCT 04

PREDICTED 28 OCT - 30 OCT 08/12/10

SOLTERWARN

SPAN

BT

HFUS BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 301

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 28 OCT 1973.

IA. A SMALL IN FLARE FROM REGION 264 (S13W11) AT 28/0855Z REACHED AN M1 X-RAY CLASS. AT 28/0948Z, AN 85 FLUX UNIT RADIO BURST WAS OBSERVED AT 2695 MHZ ACCCOMPANIED BY A C3 X-RAY EVENT. NO OBSERVATORY WAS SEEING AT THE TIME, BUT AT 1004Z, CARNARVON BRIEFLY GLIMPSED A FLARE OF UNKNOWN SIZE IN REGION 264. SINCE THEN, ONLY ONE SUBFLARE HAS BEEN OBSERVED FROM THIS REGION, BUT THE PLAGE REAMINS BRIGHT. SPOT DECAY HAS BEEN OBSERVED, ESPECIALLY IN THE INTERMEDIATE SPOTS, AND THE REGION NOW HAS A BETA GAMMA MAGNETIC CLASSIFICATION. REGION 267 (N16E34) HAS REMAINED RELATIVELY QUIET SINCE YESTERDAY'S FLARE WITH ONLY ONE SUB-NORMAL FLARE OBSERVED DURING THE LAST 24 HOURS. A NOISE STORM HAS BEEN IN PROGRESS AT 245 MHZ SINCE LOCAL SUNRISE.

IB. DESPITE SOME DECLINE IN THE COMPLEXITY OF REGION 264, THERE IS A GOOD CHANCE OF ONE OR TWO ADDITIONAL SMALL M CLASS EVENTS FROM THIS REGION.

II. THE GEOMAGNETIC FIELD HAS BECOME UNSETTLED DURING THE LAST 24 HOURS, AND UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED DURING THE NEXT 48 HOURS, BECOMING ACTIVE NEAR THE END OF THE FORECAST PERIOD DUE TO A RECURRENT DISTURBANCE.

III. EVENT PROBABILITIES 29 OCT -31 OCT

CLASS M 45/45/40

CLASS X 05/05/03

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 OCT 102

PREDICTED 29-31 OCT 101/100/98

90-DAY MEAN 28 OCT 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 OCT 03

ESTIMATED 28 OCT 13

PREDICTED 29-31 OCT 15/15/20

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