

NNNN

KBOU

HOUS 2 BOU 250200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
250200Z OCT 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
242000Z.

LOCATIONS VALID AT 25 OCT 0000Z.

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
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0264	S13E39	201	0440	D	09	11	BETA	
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0265	N21E49	191	0010	A	01	01	ALPHA	
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0266	N11E75	175	0060	H	02	01	ALPHA	
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MAGNETIC CLASSIFICATIONS INFERRED AT BOULDER

IA. H-ALPHA PLACES WITHOUT SPOTS. LOCATIONS VALID AT 25 OCT 0000Z.

NMBR	LOCATION	LO	COMMENT
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0262	N15W16	256	
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II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN	IMP	BEGIN	MAX	END	CLASS
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264	IN	240031	0038	0105	BELOW C0
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XXX	IN	B242034	2036	A2049	XXX
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III. AREAS OF SPECIAL INTEREST-

REGION 264 MAY CONTAIN A BETA GAMMA MAGNETIC CONFIGURATION.

SPAN

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HFUS 1 BOU 250600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 298A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 25 OCTOBER 1973.

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS, WITH
NO FLARES REPORTED SINCE AN EVENT BEGAN AT 2034Z. THAT EVENT WAS
LOCATED AT N18E90, WHERE A NEW ACTIVE REGION (WITH SPOTS) IS NOW
ROTATING ACROSS THE EAST LIMB. THE FLARE COINCIDED WITH THE ONSET
OF A TYPE I NOISE STORM AT METER WAVELENGTHS. REGION 264(S13E36)
HAS SLOWED ITS DEVELOPMENT DURING THE PAST 24 HOURS, AND HAS
PRODUCED NO FLARES SINCE SDF 297A.

IB. REGION 264 IS STILL CAPABLE OF FLARE ACTIVITY BUT IS NOT EXPECTED
TO PRODUCE ENERGETIC EVENTS DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD IS QUIET, AND LITTLE CHANGE IS EXPECTED FOR
THE NEXT SEVERAL DAYS.

III. EVENT PROBABILITIES 25 - 27 OCT

CLASS M 25/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 OCT 100

PREDICTED 25-27 OCT 102/104/104

90-DAY MEAN 24 OCT 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 OCT 07

ESTIMATED 24 OCT 06

PREDICTED 25-27 OCT 08/08/08

SOLTERWARN

SPAN

BT

BT

HFUS 1 BOU 251300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 298B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1300Z 25 OCTOBER 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW WITH ONLY INFREQUENT SUBFLARES REPORTED. REGION 264 (S13E32) HAS ESSENTIALLY CEASED IN ITS H-ALPHA GROWTH AND A NEW REGION 267 (Q16E78) WHICH IS AN "H" TYPE SPOT HAS ROTATED OVER THE EAST LIMB. THE LIMBS HAVE BEEN QUIET.

IB. REGION 264 STILL RETAINS ITS POTENTIAL FOR ENERGETIC EVENTS BUT AT THIS TIME NO MAJOR EVENT IS ANTICIPATED.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND WILL REMAIN SO FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 25-27 OCT

CLASS M 25/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 OCT 100

PREDICTED 25-27 OCT 102/104/104

90-DAY MEAN 24 OCT 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 OCT 07

ESTIMATED 24 OCT 06

PREDICTED 25-27 OCT 04/05/06

SOLTERWARN

SPAN

BT

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 298

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 25 OCTOBER 1973.

IA. SOLAR ACTIVITY HAS BEEN LOW WITH 8 SUBFLARES REPORTED THIS
ZULU DAY. REGION 262 (N15W23) HAS EXHIBITED CONSIDERABLE GROWTH
AND IS NOW A C TYPE GROUP. REGION 264 (S13E28) HAS STABILIZED
AND RETAINS TIGHT GRADIENTS. OTHER REGIONS ARE STABLE.

IB. REGION 264 RETAINS THE POTENTIAL FOR ENERGETIC ACTIVITY BUT
IS EXPECTED TO REMAIN STABLE UNLESS RAPID DECAY BEGINS. CON-
TINUED GROWTH AND ACTIVITY IS EXPECTED FROM REGION 262. REGION
267 (N17E75) DOES NOT APPEAR TO HAVE ENERGETIC POTENTIAL BUT
CONTINUED SUBFLARES FROM THIS REGION ARE LIKELY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO
REMAIN SO THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 26 OCT - 28 OCT.

CLASS M 25/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 25 OCT 102

PREDICTED 26 OCT - 28 OCT 103/104/104

90-DAY MEAN 25 OCT 91

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 24 OCT 07

ESTIMATED 25 OCT 02

PREDICTED 26 OCT - 28 OCT 04/06/08

SOLTERWARN

SPAN

BT