

KBOU

HOUS 2 BOU 030200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
03/0200Z DEC 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
02/1750Z. LOCATIONS VALID AT 03 DEC 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0287 S09W72 158 0070 C 06 05 BETA

0292 S13W69 155 0140 C 09 34 BETA

MAGNETIC CLASSIFICATION FROM MT. WILSON.

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 03 DEC 0000Z.

NMBR LOCATION LO

0294 N12E43 043

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN	IMP	BEGIN	MAX	END	CLASS
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292	IN	02/0153Z	0201Z	0239Z	M-1
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292	IN	02/1513Z	1518Z	1532Z	M-1S
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292	SN	02/2010Z	1	2020Z	M-1
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III. AREAS OF SPECIAL INTEREST-

NONE.

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HFUS 1 BOU 030600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 337A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 03 DECEMBER 1973

IA. REGION 292 (S13W69) HAS PRODUCED A FEW NON-ENERGETIC SUBFLARES
DURING THE PAST 8 HOURS. THE REGIONS 292 AND 287 (S09W72) HAVE
FORMED A RATHER COMPLEX REGION AND HAS BEEN ENHANCED DURING THE
PAST 8 HOURS.

IB. NO MAJOR FLARES ARE EXPECTED BUT THE REGION IS CAPABLE OF
PRODUCING CLASS M ACTIVITY.

II. THE GEOMAGNETIC FIELD IS QUIET AND IS EXPECTED TO REMAIN QUIET
DURING THE NEXT 24 HOURS.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

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HFUS 1 BOU 031300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 337B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 03 DECEMBER 1973

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST SEVEN HOURS,
AND NO FLARES HAVE BEEN REPORTED. REGION 287 (S09W79) HAS CONTINUED
TO DECAY SLOWLY, WHILE REGION 292 (S13W76) HAS STABILIZED. THESE
TWO REGIONS ARE INTERRELATED AND SHARE A COMMON MAGNETIC NEUTRAL
LINE. SMALL SURGES HAVE BEEN PRODUCED AT S07W90 BY REGION 287 AND
AT N10E90 BY A PROBABLE SMALL NEW REGION. A VERY WEAK TYPE II RADIO
BURST OCCURRED AT 03/0606-0612Z, BUT NO OTHER OPTICAL OR RADIO EVENTS
WERE ASSOCIATED WITH IT.

IB. REGIONS 287 AND 292 RETAIN THEIR POTENTIAL FOR PRODUCING ENERGETIC
ACTIVITY, DESPITE THEIR RECENT DORMANT STATE.

II. THE GEOMAGNETIC FIELD HAS REMAINED QUIET AND IS EXPECTED TO RE-
MAIN QUIET FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 03 DEC - 05 DEC

CLASS M 60/60/40

CLASS X 10/10/05

PROTON 10/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 DEC 88

PREDICTED 03 DEC - 05 DEC 87/85/82

90-DAY MEAN 02 DEC 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 DEC 02

ESTIMATED AFR/AP 02 DEC 02/03

PREDICTED AFR/AP 03 DEC - 05 DEC 06/07 - 11/12 - 15/17

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HFUS BOU 032200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 337
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 03 DEC 1973

IA. SOLAR ACTIVITY HAS RETURNED TO A VERY LOW LEVEL WITH ONLY THREE SUBFLARES DURING THE LAST 24 HOURS, NONE IN THE LAST 18 HOURS. REGION 292 (S14W82) PRODUCED THESE FLARES AND HAS BEEN THE SOURCE OF OCCASIONAL SMALL SURGES AND BRIGHTENINGS THROUGHOUT THE DAY. BOTH REGIONS 292 AND 287 (S09W84) HAVE APPARENTLY DECLINED IN BOTH WHITE LIGHT AND H ALPHA, ALTHOUGH THEIR PROXIMITY TO THE LIMB PREVENTS DETAILED ANALYSIS.

IB. REGIONS 287 AND 292 STILL RETAIN THE POTENTIAL FOR PRODUCING AN ENERGETIC EVENT BEFORE ROTATING OVER THE LIMB ON 04 DEC. AFTER THESE REGIONS DEPART, SOLAR ACTIVITY SHOULD BE VERY LOW SINCE NO REGIONS ARE DUE TO RETURN.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET BUT SHOULD BECOME UNSETLED TO SLIGHTLY ACTIVE THROUGH THE FORECAST PERIOD IN RESPONSE TO A SMALL RECURRENT DISTURBANCE.

III. EVENT PROBABILITIES 04 - 06 DEC

CLASS M 35/15/10

CLASS X 05/01/01

PROTON 05/05/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 DEC 85

PREDICTED 04-06 DEC 82/79/79

90-DAY MEAN 03 DEC 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 02 DEC 01

ESTIMATED AFR/AP 03 DEC 03/04

PREDICTED AFR/AP 04-06 DEC 11/12 - 15/17 - 10/11

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