

#NNNN

KBOU

HOUS 2 BOU 310200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
310200Z OCT 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT  
30/1800Z.

LOCATIONS VALID AT 31 OCT 0000Z.

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
0264	S13W39	200	0240	D	06	13	BETA	
0266	N12W06	167	0030	H	01	01	ALPHA	
0267	N16E06	155	0010	A	01	02	ALPHA	
0269	N03E47	114	0010	A	01	01	ALPHA	
0270	N21E12	149	0010	A	01	02	ALPHA	
0273	S17W20	181	0010	A	00	01	ALPHA	
0274	S12W11	172	XXXX	X	XX	01	ALPHA	

NOTE- DATA FOR REGION 0274 AND MAGNETIC CLASSIFICATIONS FROM  
MT. WILSON.

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 31 OCT 0000Z.

NMBR	LOCATION	LO
0265	N22W30	191
0268	S10W24	185

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-  
NONE

III. AREAS OF SPECIAL INTEREST-

DUE TO RECENT CONFUSION AND ERRORS, NUMBERS 271 AND 272 ARE NO  
LONGER BEING USED.

SPAN

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HFUS-1 BOU 310600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 304A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 31 OCTOBER 1973

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 15 HOURS.

REGION 264 (S13W42) CONTINUES SLOW DECAY.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. THE GEOMAGNETIC STORM APPEARED TO END NEAR 30/0900Z AND THE  
FIELD THEN REMAINED UNSETTLED UNTIL 31/0000Z. IT HAS SINCE RETURNED  
TO STORM CONFIGURATION. THE FIELD IS EXPECTED TO REMAIN ACTIVE  
THROUGH 01/1500Z AND THEN BECOME UNSETTLED.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

SPAN

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NNNN

KBOU

HFUS 1 BOU 310600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 304A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
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THROUGH 01/1500Z AND THEN BECOME UNSETTLED.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

SPAN

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NNNN

KBOU

HFUS 1 BOU 311300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 304B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 31 OCTOBER 1973

IA. SOLAR ACTIVITY HAS BEEN LOW WITH AN X-RAY CLASS C4 FLARE  
EARLY IN THE PAST 24 HOUR PERIOD AND ONLY INFREQUENT NONENERGETIC  
SUBFLARES SINCE THEN. REGION 264 (S13W46) CONTINUES TO DECLINE  
IN WHITE LIGHT AND H-ALPHA AND TO SIMPLIFY MAGNETICALLY. REMAINING  
REGIONS SHOW NO MARKED CHANGE. MINOR LIMB ACTIVITY IS OCCURRING  
IN A SMALL ACTIVE PROMINENCE AT SE03.

IB. ACTIVITY IS EXPECTED TO CONSIST MOSTLY OF OCCAISINAL  
NONENERGETIC SUBFLARES. THE LARGER REGIONS STILL RETAIN SOME  
POTENTIAL FOR MORE ENERGETIC ACTIVITY AND ONE OR TWO SMALL (CLASS C)  
X-RAY FLARES ARE LIKELY WITH A MODERATE (CLASS M) X-RAY FLARE POSSIBLE.

II. THE GEOMAGNETIC FIELD IS ACTIVE THOUGH LESS SO THAN YESTERDAY  
AND IS EXPECTED TO CONTINUE ITS QUIETING TREND TO UNSETLED  
CONDITIONS BY THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 31 OCT-02 NOV

CLASS M 35/30/30

CLASS X 03/02/02

PROTON 03/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 OCT 101

PREDICTED 31 OCT-02 NOV 96/94/92

90-DAY MEAN 30 OCT 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 OCT 48

ESTIMATED 30 OCT 24

PREDICTED 31 OCT-02 NOV 21/12/10

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SPAN

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HFUS BOU 312200  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 304  
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 31 OCT 1973

IA. SOLAR ACTIVITY HAS REMAINED LOW DURING THE PAST 24 HOURS, AND ONLY FIVE SUBFLARES HAVE BEEN REPORTED. THE MOST ENERGETIC OF THESE SUBFLARES WAS A CLASS C5 SUB-FAINT EVENT IN REGION 264 (S13W53). NO SIGNIFICANT RADIO BURSTS ACCCOMPANIED THIS EVENT. REGION 264 HAS DECAYED IN WHITE LIGHT AND H-ALPHA. ONLY A FEW TINY TRAILER SPOTS REMAIN, AND THE PLAGE APPEARS TO BE LESS DYNAMIC. REGION 270 (N21W00) HAS PRODUCED THREE SUBFLARES DURING THE PAST 24 HOURS, ALTHOUGH THAT REGION CONTAINS RELATIVELY UNIMPRESSIVE H-ALPHA FEATURES AND NO SPOTS. REGION 269 (N02E32) CONTAINS SOME ENHANCED PLAGE, BUT NO FLARES HAVE BEEN OBSERVED THERE. OVERALL SOLAR ACTIVITY APPEARS TO BE DECLINING.

IB. SOLAR ACTIVITY PROBABLY WILL DECLINE SOMEWHAT DURING THE NEXT THREE DAYS. REGION 264 MAY STILL PRODUCE ONE CLASS M FLARE AS IT DECAYS, BUT MAJOR ACTIVITY IS NOT EXPECTED. REGIONS 264 AND 270 MAY PRODUCE SPORADIC SUBFLARES, AND SOME OF THESE SUBFLARES MAY BE ABOVE THE CLASS C1 LEVEL.

II. THE GEOMAGNETIC FIELD HAS BECOME MORE QUIET DURING THE PAST 24 HOURS. ACTIVE CONDITIONS WERE OBSERVED DURING LOCAL NIGHT, BUT THE FIELD IS NOW QUIET. UNSETTLED CONDITIONS ARE EXPECTED DURING THE NEXT 24 HOURS, ESPECIALLY DURING LOCAL NIGHT.

III. EVENT PROBABILITIES 01-03 NOV

CLASS M 30/30/25  
CLASS X 03/02/02  
PROTON 02/02/02  
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 OCT 92  
PREDICTED 01-03 NOV 92/88/86  
90-DAY MEAN 31 OCT 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 OCT 24  
ESTIMATED 31 OCT 17  
PREDICTED 01-03 NOV 10/10/08

SOLTERWARN  
SPAN  
BT