

KBOU

HOUS 2 BOU 160200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
16/0200 OCT 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOU TAKEN AT 15/1730.

LOCATIONS VALID AT 16 OCT 0000Z.

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
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0255	N12W50	049	0010	A	02	02	ALPHA
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0259	S05W36	035	0035	B	05	08	BETA
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IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 16 OCT 0000Z.

NMBR	LOCATION	LO	COMMENT
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0257	S05E17	342	
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0258	S04W24	022	
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II. NONE

III. NONE

SPAN

BT

NNNN

NNNN

KBOU

HFUS 1 BOU 160600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 289A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 16 OCTOBER 1973

IA. THREE MINOR SUBFLARES HAVE BEEN OBSERVED DURING THE PAST 8 HOURS.
THE TWO REGIONS ON THE DISK ARE STABLE AND QUIET. BOTH EAST AND WEST
LIMBS ARE QUIET.

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

II. THE GEOMAGNETIC FIELD IS QUIET AND NO MAJOR DISTURBANCE IS
EXPECTED.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

BT

HFUS 1 BOU

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 289B

JOINT AFGWC/SESCSECONDARY

REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1300

Z 16 OCT

1973

I A. SOLAR ACTIVITY REMAINED AT A VERY LOW LEVEL DURING THE PAST SIX HOURS. REGION 259 (505 W 144°) IS DEVELOPING SLOWLY AS PENUMBRA IS NOW EVIDENT AROUND ITS TRAILER SPOTS; HOWEVER, OVERALL STRUCTURE OF RGW REMAINS SIMPLE.

I B. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A LOW LEVEL.

II. THE GEOMAGNETIC FIELD EXPERIENCED A RATHER SHARP IMPINGEMENT NEAR 160725 UT. THE GEOMAGNETIC FIELD IS EXPECTED TO CONTINUE ACTIVE WITH OCCASIONAL MINOR STORM CONDITIONS BEING OBSERVED IN THE NIGHT-TIME SECTORS.

III. EVENT PROBABILITIES

CLASS M

N/C

CLASS X

PROTON

PCAF

IV. OTTAWA 10.7 CM FLUX

OBSERVED

PREDICTED

90-DAY MEAN

N/C T 1

V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG
ESTIMATED
PREDICTED

14 OCT 06
15 OCT 06
16 - 18 OCT 13 10

NNNN

KBOU

HFUS BOU 162210

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 289

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 16 OCTOBER 1973

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. REGION 255 (N12W61) HAS BEEN THE MOST ACTIVE WITH SPORADIC SUBFAINT FLARES BUT IT APPEARS TO BE DECAYING. REGION 257 (S04W49) HAS DECLINED IN COMPLEXITY AND CONTINUES TO BE QUIET. NEW REGIONS 260 (S06W62) AND 261 (S12E15) CONSIST OF ONLY DIM PLAGE.

IB. NO MAJOR ACTIVITY IS EXPECTED. THERE CONTINUES TO BE EUV ENHANCEMENT ON THE N.E. LIMB WHERE OLD REGION 236 IS EXPECTED.

II. THE GEOMAGNETIC FIELD BECAME DISTURBED AT ABOUT 16/0530Z, AND HAS SHOWN STRONGEST ACTIVITY DURING LOCAL EARLY MORNING HOURS. THE FIELD IS EXPECTED TO DECLINE IN ACTIVITY DURING THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 17 OCT-19 OCT

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 OCT 76

PREDICTED 17 OCT-19 OCT 78/80/85

90-DAY MEAN 16 OCT 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 OCT 06

ESTIMATED 16 OCT 17

PREDICTED 17 OCT-19 OCT 14/10/08

KGFF/PASS HATM/APOLLO TELESCOPE MOUNT HOUSTON TX