

NNNN

KBOU

HOUS 2 BOU 220200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
22/0200 NOVEMBER 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
21/1545.

LOCATIONS VALID AT 22 NOV 0000Z.

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
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0287	S11E78	153	0030	H	02	01	ALPHA	
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0288	S09W01	232	0010	B	03	05	BETA	
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0285	N13W31	262	0010	A	01	03	ALPHA	
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IA. H-ALPHA PLACES WITHOUT SPOTS. LOCATIONS VALID AT 22 NOV 0000Z.

NMBR	LOCATION	LO	COMMENT
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0286	N15E74	157	VERY DIM
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0284	S13E28	203	
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0280	N15W39	270	SPOTS NOW GONE
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II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

NONE

III. AREAS OF SPECIAL INTEREST-

NONE

SPAN

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HFUS 1 BOU 220600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 326A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 22 NOVEMBER 1973

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST EIGHT
HOURS. BAD OBSERVING CONDITIONS HAVE PREVENTED A COMPLETE FLARE
PATROL, PERHAPS EXPLAINING WHY NO OPTICAL EVENT WAS REPORTED AT
21/2324Z, WHEN A CLASS C1 X-RAY BURST OCCURRED. REGION 287
(S13E76) PRODUCED A SUB-FAINT FLARE AT 22/0220Z. REGION 287 IS
PROBABLY THE MOST DYNAMIC DISK REGION.

IB. SPORADIC MINOR ACTIVITY IS LIKELY. REGION 287 PROBABLY WILL
PRODUCE OCCASIONAL SMALL SUBFLARES.

II. THE GEOMAGNETIC FIELD HAS REMAINED UNSETTLED. UNSETTLED TO
ACTIVE CONDITIONS ARE EXPECTED TO CONTINUE THROUGH THE FORECAST
PERIOD.

III. EVENT PROBABILITIES 22 - 24 NOVEMBER

CLASS M 08/08/08

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 NOV 83

PREDICTED 22-24 NOV 89/94/97

90-DAY MEAN 21 NOV 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 NOV 04

ESTIMATED AFR/AP 21 NOV 15/17

PREDICTED AFR/AP 22-24 NOV 12/13 - 12/13 - 20/24

SOLTERWARN

SPAN

BT

HFUS BOU 221300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 326B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 22 NOVEMBER 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE LAST 8 HOURS.
REGION 287 (S13E70) HAS BEEN ENHANCED BUT QUIET SINCE PRODUCING
A SUBFAINT FLARE AT 22/0220Z. SMALL MOUNDS HAVE BEEN OBSERVED
ON THE EAST LIMB BEHIND REGION 287.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW WITH MINOR SUBFLARE
ACTIVITY LIKELY FROM REGION 287.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO QUIET AND IS EXPECTED
TO CONTINUE THE SAME THROUGH THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 22 NOV - 24 NOV

CLASS M 08/08/08

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

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SPAN

BT

HFUS BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 326

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 22 NOVEMBER 1973

IA. SOLAR ACTIVITY IS VERY LOW WITH ONLY OCCASIONAL NON-ENERGETIC
SUBFLARES REPORTED. REGION 287 (S09E65) WITH A D-TYPE SPOT GROUP
IS THE LARGEST ON THE DISK, BUT IT IS NOT ESPECIALLY INTENSE OR
MAGNETICALLY COMPLEX. REGION 288 (S10W16) HAS CONTINUED TO
DEVELOP IN WHITE LIGHT AND H-ALPHA, THOUGH ITS GROWTH SEEMS TO BE
SLOWING. A SMALL FLARE IN REGION 284 (S13E16) PRECEDED MINOR
REDEVELOPMENT THERE WHICH DOES NOT YET AMOUNT TO MUCH. A BRIGHT
MOUND AND MINOR LIMB ACTIVITY NEAR SE12 MAY INDICATE A REGION
ROTATING OVER THE LIMB. THE REST OF THE VISIBLE SOLAR FEATURES
ARE QUIET AND STABLE. A FEW SMALL TYPE III SWEEP-FREQ. BURSTS
HAVE BEEN NOTED IN THE PAST FEW HOURS.

IB. ACTIVITY IS EXPECTED TO BE LIMITED TO OCCASIONAL SUBFLARES
WITH AN INFREQUENT SMALL XRAY FLARE LIKELY. BARRING MARKED
INTENSIFICATION OF ONE OF THE LARGER REGIONS PRESENT THE POTENTIAL
FOR EVEN MODERATELY ENERGETIC ACTIVITY IS LOW.

II. THE GEOMAGNETIC FIELD HAS QUIETED IN THE WAKE OF YESTERDAYS
DISTURBANCE. TOMORROW IT IS EXPECTED TO BE UNSETTLED, AND
INCREASINGLY DISTURBED WITH THE ONSET OF A RECURRENT ACTIVE
PERIOD ABOUT 2 DAYS FROM NOW.

III. EVENT PROBABILITIES 23 NOV - 25 NOV

CLASS M 08/08/08

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 NOV 87

PREDICTED 23-25 NOV 91/97/100

90-DAY MEAN 22 NOV 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 NOV 14

ESTIMATED AFR/AP 22 NOV 06/07

PREDICTED AFR/AP 23 - 25 NOV 12/13 - 24/31 - 30/42

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