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HOUS 2 BOU 210200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
21/0200Z NOV 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT  
20/1615Z. LOCATIONS VALID AT 21 NOV 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0280 N16W28 272 0020 B 03 05 BETA

MAGNETIC CLASSIFICATION FROM MOUNT WILSON OBSERVATORY.

IA. H-ALPHA PLACES WITHOUT SPOTS. LOCATIONS VALID AT 21 NOV 0000Z.

NMBR LOCATION LO COMMENT

0284 S14E43 201

0285 N12W18 262

0286 N15E87 157 OLD REGION 267

II. NONE.

III. AREAS OF SPECIAL INTEREST-

POSSIBLE NEW ACTIVE REGION LOCATED BEHIND EAST LIMB NEAR S13E90.

SOLTERWARN

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ZCZC 1032  
RR MJFF  
DE KAWN 211032Z  
ZUI MJFF 211030

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HFUS 1 BOU 210600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 325A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 21 NOVEMBER 1973

IA. SOLAR ACTIVITY HAS REMAINED AT A VERY LOW LEVEL, AND NO  
FLARES HAVE BEEN REPORTED. SURGES AND SMALL BRIGHT PROMINENCES  
HAVE BEEN OBSERVED NEAR S13E90, SUGGESTING THAT A NEW ACTIVE  
CENTER LIES BEHIND THE LIMB AT THAT LOCATION. FILAMENT ACTIVITY  
HAS BEEN OBSERVED IN REGION 284 (S14E41), AND SOME ASSOCIATED  
POINT BRIGHTENING HAS BEEN OBSERVED.

IB. ONLY MINOR SOLAR ACTIVITY IS LIKELY. SURGES AND OTHER MINOR  
LIMB ACTIVITY ARE LIKELY TO OCCUR AT S13E90, WHERE A NEW ACTIVE  
CENTER IS EXPECTED TO APPEAR WITHIN THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET. GENERALLY  
QUIET CONDITIONS ARE EXPECTED TO CONTINUE THROUGH THE FORECAST  
PERIOD.

III. EVENT PROBABILITIES 21 NOV - 23 NOV.

CLASS M 05/05/08

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 20 NOV 80

PREDICTED 21 NOV - 23 NOV 83/86/89

90-DAY MEAN 20 NOV 92

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 19 NOV 02

ESTIMATED ARR/AP 20 NOV 04/05

PREDICTED AFR/AP 21 NOV - 23 NOV 04/05 - 03/04 - 03/04

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CLASS M 05/05/08

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

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OBSERVED 20 NOV 80

PREDICTED 21 NOV - 23 NOV 83/86/89

90-DAY MEAN 20 NOV 92

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OBSERVED FREDERICKSBURG 19 NOV 02

ESTIMATED ARR/AP 20 NOV 04/05

PREDICTED AFR/AP 21 NOV - 23 NOV 04/05 - 03/04 - 03/04

SOLTERWARN

SPAN

BT

HFUS 1 BOU 211300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 325B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 21 NOVEMBER 1973

IA. SOLAR ACTIVITY HAS CONTINUED TO BE VERY LOW WITH NO FLARES  
REPORTED DURING THE LAST 24 HOURS. REGION 280 (N16W34) NO LONGER  
HAS VISIBLE SPOTS. REGION 285 (N14W24) HAS SHOWN SLIGHT GROWTH WITH  
A TYPE "C" SPOT GROUP NOW PRESENT. NEW REGION 287 (S17E86) HAS AN  
"H" TYPE SPOT AND HAS SHOWN NEAR CONTINUOUS MINOR SURGING.

IB. SOLAR ACTIVITY IS EXPECTED TO BECOME SLIGHTLY ENHANCED AS REGIONS  
286 AND 287 ROTATE FURTHER ON TO THE VISIBLE DISK. NO REGIONS,  
HOWEVER, APPEAR LIKELY TO PRODUCE MAJOR ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED AND IS EXPECTED  
TO CONTINUE THE SAME THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 21 NOV - 23 NOV

CLASS M 05/05/08

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 NOV 80

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ESTIMATED AFR/AP 20 NOV 04/05

PREDICTED AFR/AP 21 NOV - 23 NOV 04/05 - 03/04 - 03/04

SOLTERWARN

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HFUS BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 325

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 21 NOVEMBER 1973.

IA. SOLAR ACTIVITY REMAINS VERY LOW WITH NO FLARES REPORTED  
IN THE PAST 24 HOURS. MINOR LIMB ACTIVITY HAS BEEN  
OBSERVED ON THE SE LIMB NEAR REGION 287 (S11E80). REGION 287  
LOOKS TO BE THE MOST INTENSE ON THE DISK, BUT LIMB PROXIMITY  
PREVENTS COMPLETE ANALYSIS. NEW REGION 288 (S09E01) CONSISTS  
OF A SMALL PLAGE WITH A SMALL B-TYPE SPOT GROUP. THE REGION  
280/285 COMPLEX (N15W37/N13W29) IS QUIET, SHOWING LITTLE CHANGE  
OR SLOW DECLINE. OTHER VISIBLE SOLAR FEATURES ARE QUIET AND  
STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT LOW LEVELS.  
OCCASIONAL SUBFLARES ARE EXPECTED, WITH AN INFREQUENT SMALL  
(CLASS C) X-RAY FLARE POSSIBLE.

II. THE GEOMAGNETIC FIELD HAS BECOME MILDLY ACTIVE IN THE  
PAST FEW HOURS. THE CURRENT DISTURBANCE IS EXPECTED TO SUBSIDE  
SOME TO SLIGHTLY UNSETTLED LEVELS BY TOMORROW, PRECEEDING AN  
ANTICIPATED ACTIVE RECURRENT PERIOD LATE IN THE FORECAST PERIOD.

III. EVENT PROBABILITIES 22 NOV - 24 NOV.

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 NOV - 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 13/14

PREDICTED AFR/AP 22 NOV - 24 NOV 08/09 - 12/13 - 20/24

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PREDICTED 22 NOV - 24 NOV 89/94/97

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OBSERVED FREDERICKSBURG 20 NOV 04

ESTIMATED AFR/AP 21 NOV 13/14

PREDICTED AFR/AP 22 NOV - 24 NOV 08/09 - 12/13 - 20/24

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