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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 PLAGES 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 AFR/AP 20 NOV 04/05

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

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HFUS 1 BOU 210600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 325A

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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.

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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

SOLTERWARN

SPAN

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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
PREDICTED	21 NOV - 23 NOV 83/86/89
90-DAY MEAN	20 NOV 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	19 NOV 02
ESTIMATED AFR/AP	20 NOV 04/05
PREDICTED AFR/AP	21 NOV - 23 NOV 04/05 - 03/04 - 03/04
SOLTERWARN	
SPAN	
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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, PRECEDED BY 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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