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HOUS 2 BOU 130200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
13/0200Z NOV 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
12/1730Z. LOCATIONS VALID AT 13 NOV 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0280 N13E76 273 0040 A 02 01 ALPHA

0282 N04W09 358 0005 A 00 01 ALPHA

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 13 NOV 0000Z.

NMBR LOCATION LO COMMENT

0276 N15W64 053

0278 S07W18 007

0279 S03W55 044

0281 S24E08 341 REVERSED POLARITY MAGNETIC FIELDS

II. NONE.

III. AREAS OF SPECIAL INTEREST-

REGION 280 IS NEW AND APPARENTLY YOUNG. IT LIES WEST OF OLD REGION
262.

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HFUS 1 BOU 130600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 317A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 13 NOVEMBER 1973

IA. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. THE TWO REGIONS
ON THE VISIBLE DISK ARE BOTH STABLE AND QUIET. REGION 280 (N13E80)
IS THE BRIGHTEST OF THE TWO REGIONS.

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

II. THE GEOMAGNETIC FIELD HAS CONTINUED TO BE QUIET. THE MINOR
DISTURBANCE WHICH HAS BEEN EXPECTED FOR TWO DAYS IS STILL
ANTICIPATED.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

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HFUS 1 BOU 1313

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 317B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 13 NOV 1973

IA. SOLAR ACTIVITY REMAINS VERY LOW WITH NO FLARE HAVING BEEN REPORTED
DURING THE PAST 24 HOURS. REGION 280 (N13E70) REMAINS MODERATELY
ENHANCED WITH PERIODIC INTENSITY FLUCTUATIONS.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET BUT IS EXPECTED TO BECOME
UNSETTLED TO ACTIVE DURING THE LATTER PORTION OF THE FORECAST PERIOD.

III. NO CHANGE

IV. NO CHANGE

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 NOV 04

ESTIMATED AFR/AP 12 NOV 04/05

PREDICTED AFR/AP 13 NOV - 15 NOV 10/11 - 20/24 - 18/21

SOLTERWARN

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 317
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 13 NOVEMBER 1973.

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST 24 HOURS, AND NO FLARES HAVE BEEN REPORTED. REGION 280 (N13E71) CONTAINS A C-TYPE SPOT GROUP. THIS REGION APPEARS TO BE UNDERGOING SLOW DEVELOPMENT IN WHITE LIGHT AND H-ALPHA, AND AN ACTIVE ABSORPTION FEATURE HAS BEEN OBSERVED ABOVE THE CENTRAL PART OF THE PLAGE. X-RAY DATA FROM OSO-7 INDICATE THAT REGION 280 IS ENHANCED AT 8-15 ANGSTROMS. MINOR PROMINENCE ACTIVITY OBSERVED NEAR N18E90 IS BELIEVED TO BE ASSOCIATED WITH THE RETURN OF OLD REGION 262. NO SPOTS ARE VISIBLE IN REGION 282 (N04W20), BUT THE SMALL BI-POLAR PLAGE THERE HAS GROWN SLIGHTLY. THE REMAINDER OF THE DISK IS UNIMPRESSIVE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW DURING THE FORECAST PERIOD. REGION 280 IS BELIEVED TO BE THE ONLY DISK REGION CAPABLE OF FLARE ACTIVITY, AND ONLY INFREQUENT SUBFLARES ARE LIKELY AT THAT SITE. SIGNIFICANT ACTIVITY IS NOT EXPECTED TO OCCUR IN RETURNING REGION 262.

II. THE GEOMAGNETIC FIELD GRADUALLY BECAME UNSETTLED AT ABOUT 13/0700Z. UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED DURING THE THREE-DAY FORECAST PERIOD.

III. EVENT PROBABILITIES 14 NOV - 16 NOV.

CLASS M 08/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 13 NOV 74

PREDICTED 14 NOV - 16 NOV 76/77/78

90-DAY MEAN 13 NOV 92

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 12 NOV 03

ESTIMATED AFR/AP 13 NOV 08/09

PREDICTED AFR/AP 14 NOV - 16 NOV 18/21 - 20/24 - 18/21

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HFUS BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 317

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 13 NOVEMBER 1973.

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST 24 HOURS,
AND NO FLARES HAVE BEEN REPORTED. REGION 280 (N13E71) CONTAINS A
C-TYPE SPOT GROUP. THIS REGION APPEARS TO BE UNDERGOING SLOW
DEVELOPMENT IN WHITE LIGHT AND H-ALPHA, AND AN ACTIVE ABSORPTION
FEATURE HAS BEEN OBSERVED ABOVE THE CENTRAL PART OF THE PLAGE.
X-RAY DATA FROM OSO- INDICATE THAT REGION 280 IS ENHANCED AT
8-15 ANGSTROMS. MINOR PROMINENCE ACTIVITY OBSERVED NEAR N18E90
IS BELIEVED TO BE ASSOCIATED WITH THE RETURN OF OLD REGION 262.
NO SPOTS ARE VISIBLE IN REGION 282 (N04W20), BUT THE SMALL BI-
POLAR PLAGE THERE HAS GROWN SLIGHTLY. THE REMAINDER OF THE DISK
IS UNIMPRESSIVE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW DURING THE FORE-
CAST PERIOD. REGION 280 IS BELIEVED TO BE THE ONLY DISK REGION
CAPABLE OF FLARE ACTIVITY, AND ONLY INFREQUENT SUBFLARES ARE
LIKELY AT THAT SITE. SIGNIFICANT ACTIVITY IS NOT EXPECTED TO OCCUR
IN RETURNING REGION 262.

II. THE GEOMAGNETIC FIELD GRADUALLY BECAME UNSETTLED AT ABOUT
13/0700Z. UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED DURING THE
THREE-DAY FORECAST PERIOD.

III. EVENT PROBABILITIES 14 NOV - 16 NOV.

CLASS M 08/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

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