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HOUS 2 BOU 050200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
05/0200Z DEC 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
04/1630Z. LOCATIONS VALID AT 05 DEC 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

NO SPOTS VISIBLE.

IA. H-ALPHA PLACES WITHOUT SPOTS. LOCATIONS VALID AT 05 DEC 0000Z.

NMBR LOCATION LO COMMENT

0294 N12E16 043 POSSIBLE REVERSED POLARITY

0295 N08E56 003

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

| RGN | IMP | BEGIN | MAX | END | CLASS |
|-----|-----|-------|-----|-----|-------|
|-----|-----|-------|-----|-----|-------|

| | | | | | |
|------|----|----------|------|------|----|
| 0287 | IN | 04/0853Z | 0853 | 0908 | M1 |
|------|----|----------|------|------|----|

| | | | | | |
|------|----|----------|------|------|----|
| 0292 | 1B | 04/1142Z | 1147 | 1222 | M1 |
|------|----|----------|------|------|----|

NOTE- MAX AND END TIME ON FIRST FLARE ARE APPROXIMATE. BOTH FLARES
WERE LIMB FLARES ON THE WEST LIMB.

III. AREAS OF SPECIAL INTEREST-

NONE.

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HFUS 1 BOU 050600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 339A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 05 DEC 1973

IA. NO SIGNIFICANT ACTIVITY HAS BEEN RECORDED IN THE LAST 15 HOURS.

IB. NO SIGNIFICANT ACTIVITY IS EXPECTED AS THE DISK IS NOW SPOTLESS.

II. THE GEOMAGNETIC FIELD HAS BEEN AT MINOR STORM LEVELS FROM
04/2100Z TO 05/0300Z BUT IS NOW QUIETING. A CONTINUING TREND TOWARD
LESS DISTURBED CONDITIONS IS EXPECTED.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 DEC 03

ESTIMATED AFR/AP 04 DEC 24/26

PREDICTED AFR/AP 05-07 DEC 15/17 - 10/11 - 06/07

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HFUS 1 BOU 050600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

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ESTIMATED AFR/AP 04 DEC 21/26

PREDICTED AFR/AP 05-07 DEC 15/17 - 10/11 - 06/07

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HFUS 1 BOU 051300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 339B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 05 DEC 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGIONS
287/292 ARE NOW BEHIND WEST LIMB, AND TWO MORE BRIGHT SURGES AND
SPRAYS WERE REPORTED AT SW13 AT 0012Z AND 0945Z. THE ONLY ACTIVITY
ON THE NOW SPOTLESS DISK WAS A SUBNORMAL FLARE AT 0728Z IN REGION
295 (N03E48) WHERE SLOW PLAGE GROWTH IS OCCURRING.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE DURATION
OF THE FORECAST PERIOD, WITH A SLIGHT CHANCE OF A SIGNIFICANT X-RAY
EVENT FROM BEHIND WEST LIMB DURING THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TO UNSETTLED SINCE 0300Z.
A TREND FROM ACTIVE TO MILDLY UNSETTLED CONDITIONS IS EXPECTED DURING
THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 05 DEC - 07 DEC

CLASS M 25/10/05

CLASS X 03/01/01

PROTON 05/05/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 DEC 81

PREDICTED 05 DEC - 07 DEC 78/76/76

90-DAY MEAN 04 DEC 89

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 DEC 03

ESTIMATED AFR/AP 04 DEC 21/26

PREDICTED AFR/AP 05 DEC - 07 DEC 15/17 - 10/11 - 06/07

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 339

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 05 DECEMBER 1973.

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THIS ZULU DAY
WITH ONLY ONE SUBFLARE HAVING BEEN REPORTED. THE LIMB ACTIVITY
ASSOCIATED WITH WEST LIMB TRANSIT OF RGNS 287 AND 292 HAS DIMIN-
ISHED SHARPLY. THE TWO H-ALPHA PLACES CURRENTLY VISIBLE ON
THE DISK ARE SMALL, BETWEEN FAINT AND MODERATELY BRIGHT WITH NO
SIGNIFICANT CHANGES OCCURRING. NO SPOTS ARE VISIBLE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL AS NO
RGNS ARE DUE TO RETURN UNTIL AFTER 08 DEC.

II. THE GEOMAGNETIC FIELD IS UNSETTLED AND LITTLE OR NO CHANGE
IS EXPECTED DURING THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 06 DEC - 08 DEC.

CLASS M 10/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 05 DEC 76

PREDICTED 06 DEC - 08 DEC 74/73/73

90-DAY MEAN 05 DEC 88

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 04 DEC 22

ESTIMATED AFR/AP 05 DEC 14/16

PREDICTED AFR/AP 06 DEC - 08 DEC 09/10 - 06/07 - 05/06

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HFUS BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 339

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