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HOUS 2 BOU 250200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
25/0200Z NOVEMBER 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
24/1730Z. LOCATIONS VALID AT 25 NOV 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0287 S11E36 155 0038 D 08 22 BETA-GAMMA

0288 S09W41 232 0003 C 06 13 BETA

MAGNETIC CLASSES INFERRED AT BOULDER

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 250000Z.

NMBR LOCATION LO COMMENT

0280 N16W84 275

0284 S12W11 202

0285 N14W72 263

0289 S14E59 132

0290 S13W50 241 BORN ON DISK

II. NONE.

III. NONE.

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HFUS 1 BOU 250600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 329A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 25 NOVEMBER 1973

IA. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL. REGION 287 (S11E36) HAS PRODUCED A FEW NON-ENERGETIC SUBFLARES. THIS REGION HAS MIXED POLARITIES AND IS CAPABLE OF PRODUCING A CLASS M FLARE. THE OTHER REGIONS AND THE LIMBS ARE QUIET AND STABLE.

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

II. THE GEOMAGNETIC FIELD IS DISTURBED. STORM LEVEL WAS REACHED AT ABOUT 24/1330Z. THE FIELD WILL REMAIN IN AN ACTIVE TO UNSETTLED CONDITION FOR 24 HOURS.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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HFUS 1 BOU 251300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 329B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 25 NOVEMBER 1973

IA. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL. A CLASS C6 SUBNORMAL FLARE OCCURRED AT 24/0853Z IN REGION 287 (S11E29). THIS EVENT EXHIBITED TWO AREAS OF ENHANCED PLAGE AND TWO X-RAY MAXIMA. SMALL CENTIMETRIC RADIO BURSTS ACCCOMPANIED THIS FLARE. REGION 287 RECENTLY HAS PRODUCED DARK SURGES AND HAS EXHIBITED AN ACTIVE FILAMENT, BUT SIGNIFICANT GROWTH OF THIS REGION HAS NOT BEEN REPORTED. REGION 288 (S09W48) CONTAINS ARCH-FILAMENTS AND APPEARS TO BE DEVELOPING. OTHER REGIONS ARE RELATIVELY UNIMPRESSIVE.

IB. SOLAR ACTIVITY PROBABLY WILL REMAIN LOW. REGION 287 APPEARS CAPABLE OF INFREQUENT ENERGETIC ACTIVITY AND MAY PRODUCE A SMALL CLASS M FLARE DURING THE THREE-DAY FORECAST PERIOD. DUE TO INCREASING DYNAMIC TRENDS IN REGION 287, FLARE PROBABILITIES HAVE BEEN RAISED SLIGHTLY.

THE GEOMAGNETIC DISTURBANCE THAT REACHED MINOR STORM LEVEL ABOUT 24/1330Z IS STILL IN PROGRESS. ACTIVE TO UNSETTLED CONDITIONS ARE EXPECTED FOR 24 TO 48 HOURS.

III. EVENT PROBABILITIES 25 NOV - 27 NOV

CLASS M 15/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 NOV 89

PREDICTED 25 NOV - 27 NOV 90/90/88

90-DAY MEAN 24 NOV 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 NOV 05

ESTIMATED AFR/AP 24 NOV 17/20

PREDICTED AFR/AP 25 NOV - 27 NOV 37/55 - 20/24 - 12/13

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HFUS BOU 252200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 329
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 25NOV 1973
IA. SOLAR ACTIVITY REMAINS LOW. REGION 287 (S11E24) WITH A PROBABLE BETA GAMMA CONFIGURATION IS THE MOST IMPRESSIVE DISK FEATURE. THIS REGION HAS PRODUCED 4 SUBFLARES, ONE A CLASS C6 X-RAY EVENT, AND SEVERAL DARK SURGES THIS ZULU DAY. THE LARGE LEADER SPOT HAS CONTINUED ITS RAPID NORTH TO EAST ROTATION AND HAS NOW ROTATED ALMOST 90 DEGREES IN TWO DAYS. REGIONS 290 (S14W58) AND 291 (N05W06) ARE EXHIBITING SLOW SPOT GROWTH.
IB. CLASS M ENERGETIC ACTIVITY IS QUITE POSSIBLE FROM REGION 287. THERE IS A LOWER PROBABILITY OF CLASS X ACTIVITY, WHICH WILL INCREASE HOWEVER IF GROWTH IN 287 CONTINUES.
II. A GEOMAGNETIC STORM HAS BEEN IN PROGRESS SINCE 24/1330Z. A GRADUAL DECLINE TO ACTIVE CONDITIONS ON 26 NOV IS EXPECTED, FOLLOWED BY A SLOW RETURN TO QUIET CONDITIONS.
III. EVENT PROBABILITIES 26 - 28 NOV
CLASS M 30/35/40
CLASS X 05/10/15
PROTON 03/03/03
PCAF GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 25 NOV 93
PREDICTED 26 - 28 NOV 96/98/99
90-DAY MEAN 25 NOV 92
V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 24 NOV 16
ESTIMATED AFR/AP 25 NOV 36/53
PREDICTED AFR/AP 26 - 28 NOV 20/24 - 15/17 - 10/11
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