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HOUS 2 BOU 260200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
26/0200Z NOV 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
25/1830Z. LOCATIONS VALID AT 26 NOV 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0284 S11W26 203 0010 A 01 02 ALPHA

0287 S11E22 155 0400 E 12 15 BETA GAMMA

0288 S10W56 233 0010 B 05 04 BETA

0290 S14W60 237 0010 B 04 03 BETA

0291 N05W08 185 0010 B 03 03 BETA

MAGNETIC CLASSIFICATIONS INFERRED AT BOULDER.

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 26 NOV 0000Z.

NMBR LOCATION LO

0289 S14E46 132

0285 N14W35 263

II. NONE.

III. AREAS OF SPECIAL INTEREST-

REGION 287.

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HFUS 1 BOU 260600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 330A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 26 NOVEMBER 1973

IA. REGION 287 (S11E22) HAS PRODUCED SEVERAL NON-ENERGETIC SUBFLARES
DURING THE PAST EIGHT HOURS. THIS REGION HAS BEEN THE MOST ACTIVE
ON THE VISIBLE DISK. CLASS C FLARES AND AN OCCASIONAL CLASS M FLARE
ARE PROBABLE.

IB. NO MAJOR ACTIVITY IS EXPECTED.

II. THE GEOMAGNETIC FIELD CONTINUES AT MINOR STORM LEVEL AND IS
EXPECTED TO REMAIN DISTURBED FOR 24 HOURS.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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HFUS 1 BOU 261300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 330B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 26 NOVEMBER 1973

IA. REGION 287 (S11E15) HAS PRODUCED TWO RELATIVELY INTENSE SUB-
FLARES DURING THE PAST 8 HOURS. THESE EVENTS OCCURRED AT 26/0555Z
AND 0706Z AND WERE BOTH ACCCOMPANIED BY STRONG TYPE III DEKAMETRIC
EMISSION, BURSTS OF ABOUT 45 FLUX UNITS ABOVE BACKGROUND AT 2695
MHZ, AND MINOR IONOSPHERIC EFFECTS. NO 1-8 ANGSTROM X-RAY DATA
HAVE BEEN REPORTED FOR EITHER OF THESE FLARES. REGION 287 RETAINS
ITS DYNAMIC CHARACTERISTICS BUT HAS SHOWN SOME DECAY OF ITS SPOT
GROUP IN THE FOLLOWING AREA. REGION 291 (N05W15) CONTAINS A BROAD
ACTIVE DARK FILAMENT. BOTH REGION 291 AND 284 (S11W33) ARE STILL
GROWING.

IB. REGION 287 RETAINS ITS POTENTIAL FOR MINOR ENERGETIC ACTIVITY.
REGIONS 287, 291, AND 284 ARE EXPECTED TO PRODUCE SPORADIC SUB-
FLARES.

II. THE GEOMAGNETIC FIELD HAS REMAINED ACTIVE, AND ACTIVE CONDITIONS
ARE EXPECTED TO CONTINUE FOR ABOUT 24 HOURS, GRADUALLY BECOMING
UNSETLED AFTER THAT.

III. EVENT PROBABILITIES 26 NOV - 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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HFUS BOU 262200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 330
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 26 NOV 1973.

IA. SOLAR ACTIVITY HAS BEEN MODERATE, WITH REGION 287 (S10E09)
PRODUCING 16 FLARES THIS ZULU DAY. THIS REGION PRODUCED AN AVERAGE
OF ONE FLARE PER HOUR FOR THE FIRST 12 HOURS OF THE DAY BUT HAS
SLOWED TO AN AVERAGE OF ONE EVERY TWO HOURS DURING THE PAST 10 HOURS.
FOUR OF THE FLARES WERE ENERGETIC, THE LARGEST BEING CLASS M1.
SEVERAL FLARES WERE ACCCOMPANIED BY MODERATE SIZED RADIO EVENTS, THE
STRONGEST YIELDING 99 FLUX UNITS AT 2695 MHZ. IN WHITE LIGHT
THE LARGE LEADER SPOT APPEARS TO HAVE FRAGMENTED CONSIDERABLY
FOLLOWING THE RAPID SERIES OF FLARES EARLIER TODAY. REGION 291
(N05W20) CONTINUES SLOW GROWTH AND HAS PRODUCED FIVE NON-ENERGETIC
SUBFLARES TODAY.

IB. MAGNETIC GRADIENTS APPEAR TO HAVE LOOSEND WITH THE FRAGMENTATION
IN THE LEADER OF 287. THE REGION IS STILL MAGNETICALLY COMPLEX,
HOWEVER, AND NEW SPOTS MAY BE GROWING NORTHEAST OF THE LARGE SPOT.
THE PRESENT LULL IN ACTIVITY MAY BE FOLLOWED BY A RESURGENCE OF
ACTIVITY IN THE NEXT 24 TO 48 HOURS. THIS REGION DEFINITLY
RETAINS THE POTENTIAL FOR ENERGETIC ACTIVITY AT THIS TIME.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TODAY BUT
IS GRADUALLY BECOMING QUIETER. THIS TREND IS EXPECTED TO CONTINUE
FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 27-29 NOV

CLASS M 30/30/30
CLASS X 08/08/08
PROTON 02/02/02
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX
OBSERVED 26 NOV 95
PREDICTED 27-29 NOV 98/100/101
90-DAY MEAN 26 NOV 92

V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 25 NOV 34
ESTIMATED AFR/AP 26 NOV 20/24
PREDICTED AFR/AP 27-29 NOV 15/17 - 10/11 - 08/09
SOLTERWARN
SPAN
BT