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KBOU

HOUS 2 BOU 220200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
22/0200 NOVEMBER 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
21/1545.

LOCATIONS VALID AT 22 NOV 0000Z.

| NMBR | LOCATION | LO | AREA | Z | LL | NN | MAG | TYPE |
|------|----------|-----|------|---|----|----|-----|-------|
| 0287 | S11E78 | 153 | 0030 | H | 02 | 01 | | ALPHA |
| 0288 | S09W01 | 232 | 0010 | B | 03 | 05 | | BETA |
| 0285 | N13W31 | 262 | 0010 | A | 01 | 03 | | ALPHA |

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 22 NOV 0000Z.

| NMBR | LOCATION | LO | COMMENT |
|------|----------|----|---------|
|------|----------|----|---------|

| | | | |
|------|--------|-----|----------------|
| 0286 | N15E74 | 157 | VERY DIM |
| 0284 | S13E28 | 203 | |
| 0280 | N15W39 | 270 | SPOTS NOW GONE |

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

NONE

III. AREAS OF SPECIAL INTEREST-

NONE

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HEUS 1 BOU 220600
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 326A
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 22 NOVEMBER 1973

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST EIGHT HOURS. BAD OBSERVING CONDITIONS HAVE PREVENTED A COMPLETE FLARE PATROL, PERHAPS EXPLAINING WHY NO OPTICAL EVENT WAS REPORTED AT 21/2324Z, WHEN A CLASS C1 X-RAY BURST OCCURRED. REGION 287 (S13E76) PRODUCED A SUB-FAINT FLARE AT 22/0220Z. REGION 287 IS PROBABLY THE MOST DYNAMIC DISK REGION.

IB. SPORADIC MINOR ACTIVITY IS LIKELY. REGION 287 PROBABLY WILL PRODUCE OCCASIONAL SMALL SUBFLARES.

II. THE GEOMAGNETIC FIELD HAS REMAINED UNSETTLED. UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED TO CONTINUE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 22 - 24 NOVEMBER

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 22-24 NOV 89/94/97
90-DAY MEAN 21 NOV 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 NOV 04
ESTIMATED AFR/AP 21 NOV 15/17
PREDICTED AFR/AP 22-24 NOV 12/13 - 12/13 - 20/24

SOLTERWARN
SPAN
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HFUS BOU 221300
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 326B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 22 NOVEMBER 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE LAST 8 HOURS.
REGION 287 (S13E70) HAS BEEN ENHANCED BUT QUIET SINCE PRODUCING
A SUBFAINT FLARE AT 22/0220Z. SMALL MOUNDS HAVE BEEN OBSERVED
ON THE EAST LIMB BEHIND REGION 287.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW WITH MINOR SUBFLARE
ACTIVITY LIKELY FROM REGION 287.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO QUIET AND IS EXPECTED
TO CONTINUE THE SAME THROUGH THE NEXT 24 HOURS.

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 15/17

PREDICTED AFR/AP 22 NOV - 24 NOV 12/13 - 12/13 - 20/24

SOLTERWARN

SPAN

BT

HEUS BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 326

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 22 NOVEMBER 1973

IA. SOLAR ACTIVITY IS VERY LOW WITH ONLY OCCASIONAL NON-ENERGETIC SUBFLARES REPORTED. REGION 287 (S09E65) WITH A D-TYPE SPOT GROUP IS THE LARGEST ON THE DISK, BUT IT IS NOT ESPECIALLY INTENSE OR MAGNETICALLY COMPLEX. REGION 288 (S10W16) HAS CONTINUED TO DEVELOP IN WHITE LIGHT AND H-ALPHA, THOUGH ITS GROWTH SEEMS TO BE SLOWING. A SMALL FLARE IN REGION 284 (S13E16) PRECEDED MINOR REDEVELOPMENT THERE WHICH DOES NOT YET AMOUNT TO MUCH. A BRIGHT MOUND AND MINOR LIMB ACTIVITY NEAR SE12 MAY INDICATE A REGION ROTATING OVER THE LIMB. THE REST OF THE VISIBLE SOLAR FEATURES ARE QUIET AND STABLE. A FEW SMALL TYPE III SWEEP-FREQ. BURSTS HAVE BEEN NOTED IN THE PAST FEW HOURS.

IB. ACTIVITY IS EXPECTED TO BE LIMITED TO OCCASIONAL SUBFLARES WITH AN INFREQUENT SMALL XRAY FLARE LIKELY. BARRING MARKED INTENSIFICATION OF ONE OF THE LARGER REGIONS PRESENT THE POTENTIAL FOR EVEN MODERATELY ENERGETIC ACTIVITY IS LOW.

II. THE GEOMAGNETIC FIELD HAS QUIETED IN THE WAKE OF YESTERDAYS DISTURBANCE. TOMORROW IT IS EXPECTED TO BE UNSETLED, AND INCREASINGLY DISTURBED WITH THE ONSET OF A RECURRENT ACTIVE PERIOD ABOUT 2 DAYS FROM NOW.

III. EVENT PROBABILITIES 23 NOV - 25 NOV

CLASS M 08/08/08

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 NOV 87

PREDICTED 23-25 NOV 91/97/100

90-DAY MEAN 22 NOV 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 NOV 14

ESTIMATED AFR/AP 22 NOV 06/07

PREDICTED AFR/AP 23 - 25 NOV 12/13 - 24/31 - 30/42

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