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KBOU

HOUS 2 BOU 030200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
03/0200Z NOV 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM RAMEY TAKEN AT
02/1140Z. LOCATIONS VALID AT 03 NOV 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0264 S12W82 203 0200 H 02 02 ALPHA

0266 N13W48 169 0040 H 01 01 ALPHA

0275 S09W35 156 0030 D 04 03 BETA

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 03 NOV 0000Z.

NMBR LOCATION LO

0265 N22W69 190

0267 N16W33 154

0269 N04E06 115

0270 N21W27 148

II. NONE.

III. NONE.

SOLARWARN

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HFUS 1 BOU 030600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 307A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 03 NOVEMBER 1973

IA. A ONE BRIGHT FLARE WAS OBSERVED IN REGION 264 (S12W82) AT
03/0014Z. THIS FLARE PRODUCED ONLY A SMALL RADIO BURST AT
2695MHZ. THE FINAL X RAY BURST HAS NOT BEEN DETERMINED BUT
IT WAS PROBABLY A CLASS M FLARE.

IB. NO MORE MAJOR FLARES ARE EXPECTED AS ALL THE REGIONS APPEAR
STABLE.

II. THE GEOMAGNETIC FIELD IS IN A QUIET STATE AND WILL REMAIN
QUIET UNTIL THE 5TH OR 6TH OF NOVEMBER.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

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HFUS 1 BOU 031300
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 307B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 03 NOV 1973
IA. NO SIGNIFICANT SOLAR ACTIVITY HAS BEEN REPORTED SINCE THE
ONE BRIGHT FLARE AT 03/0014Z AND ALL REGIONS APPEAR STABLE OR
DECLINING.
IB. SOLAR ACTIVITY SHOULD CONTINUE AT A LOW LEVEL FOR THE REMAINDER
OF THE FORECAST PERIOD.
II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. QUIET TO SLIGHTLY
UNSETTLED CONDITIONS CAN BE EXPECTED IN THE NIGHT TIME SECTORS
FOR THE NEXT 24-36 HOURS.
III. NO CHANGE
IV. NO CHANGE
V. NO CHANGE
SOLTERWARN
SPAN
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HFUS 1 BOU 031300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 307B

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III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 307

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 03 NOVEMBER 1973.

IA. SOLAR ACTIVITY WAS HIGH IN THAT A SURPRISE WEST LIMB EVENT
WAS OBSERVED FROM REGION 264 (S12W92) (NOW OVER THE WEST LIMB).
THE FLARE WAS OBSERVED TO HAVE TWO OPTICAL PEAKS, REACHING ONE
NORMAL LEVEL AT 0014Z AND TWO BRILLIANT LEVEL AT 0034Z. SOLRAD
9 SATELLITE OBSERVED THE EVENT AS A CLASS X1 X-RAY FLARE WITH A
MAXIMUM AT 0030Z AND THE SLOW DECAY CHARACTERISTIC OF A WEST LIMB
EVENT. LOOP STRUCTURE WAS OBSERVED FROM SW14 TO SW21. 20-70
MEV PROTONS WERE OBSERVED TO BE ENHANCED TO TWENTY TIMES BACK-
GROUND NEAR 0600Z BUT HAD RETURNED TO NEAR BACKGROUND LEVELS
AT THE TIME OF THIS FORECAST. MOST OBSERVATORIES CONTINUE TO BE
PLAGUED WITH WEATHER OR EQUIPMENT PROBLEMS. THIS SINGLE ENER-
GETIC EVENT WAS THE ONLY EVENT OF ANY KIND TO BE OBSERVED DURING
THE PAST 24 HOURS.

IB. SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. WITH REGION 264
NOW PASSING OUT OF SIGHT OVER THE WEST LIMB ENERGETIC FLARE
POTENTIAL HAS DROPPED DRAMATICALLY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE PAST 24
HOURS. THE FIELD SHOULD BE QUIET EARLY IN THE FORECAST PERIOD
BECOMING UNSETTLED AND REMAINING SO THROUGH THE END OF THE
PERIOD.

III. EVENT PROBABILITIES 04 NOV - 06 NOV.

CLASS M 15/10/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 03 NOV 82

PREDICTED 04 NOV - 06 NOV 80/78/76

90-DAY MEAN 03 NOV 92

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 02 NOV 06

ESTIMATED AFR/AP 03 NOV 04/05

PREDICTED AFR/AP 04 NOV - 06 NOV 07/08-13/14-10/11

NOTE: A RECENT COMPARISON BETWEEN TWO YEARS OF FREDERICKSBURG
AND PLANETARY MAGNETIC INDICES HAS SHOWN THAT AP APPEARS HIGHER
THAN A FREDERICKSBURG. THEREFORE, BOTH INDICES WILL BE INCLUDED
IN FUTURE FORECASTS. ONLY EXTRAPOLATE AP VALUES WILL BE GIVEN
SINCE THE COMPUTATION AND PUBLICATION OF THE ACTUAL OBSERVED AP
VALUES REQUIRE APPROXIMATELY THREE MONTHS.

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HFUS BOU 032200

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