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HOUS 2 BOU 010200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
01/0200Z OCT 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
30/1545Z. LOCATIONS VALID AT 01 OCT 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0234 N05W66 263 0080 H 01 02 ALPHA

0236 N14W58 255 0380 E 11 11 BETA

0241 N20W04 201 0100 H 02 01 ALPHA

0243 N11W62 259 0010 A 01 03 ALPHA

0245 S15E02 195 0020 B 03 16 BETA

0247 S15E23 174 0020 B 09 35 BETA

0248 N12E28 169 0130 H 02 01 ALPHA

0251 N15E40 157 0010 A 00 01 ALPHA

IA. H-ALPHA PLACES WITHOUT SPOTS. LOCATIONS VALID AT 01 OCT 0000Z.

NMBR LOCATION LO

0249 S13E63 134

II. NONE

III. AREAS OF SPECIAL INTEREST

REGION 245 CONTAINS AN ABNORMAL CONFIGURATION OF SPOT POLARITIES
WITH AN EAST-WEST NEUTRAL LINE.

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HFUS 1 BOU 010600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 274 A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 01 OCTOBER 1973

IA. SOLAR ACTIVITY HAS BEEN AT A VERY LOW LEVEL DURING THE PAST 8
HOURS. ALL REGIONS APPEAR STABLE AND QUIET.

IB. NO MAJOR ACTIVITY IS EXPECTED DURING THE NEXT 7 HOURS.

II. THE GEOMAGNETIC FIELD IS IN AN UNSETTLED CONDITION AND WILL
REMAIN THAT WAY DURING THIS ZULU DAY.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 011300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 274B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 01 OCTOBER 1973

IA. SOLAR ACTIVITY IS PRESENTLY VERY LOW, WITH ONE SUBFLARE REPORTED TODAY (X-RAY CLASS C1). THE LARGER REGIONS, 236 (N14W65) AND 247 (S15E16), HAVE GROWN A LITTLE IN THEIR SPOT GROUPS AND SHOW MINOR FLUXUATION AND RESTRUCTURING IN H-ALPHA. REGION 245 (S15W05) ALSO SHOWS MINOR GROWTH. REMAINDER OF DISK AND LIMBS ARE QUIET AND ESSENTIALLY UNCHANGED.

IB. ACTIVITY IS EXPECTED TO BE LIMITED TO NON-ENERGETIC SUBFLARES, AND PERHAPS A COUPLE OF SMALL X-RAY EVENTS (CLASS G) PER DAY.

POTENTIAL FOR MODERATELY ENERGETIC ACTIVITY APPEARS TO BE SOMEWHAT GREATER NOW THAN IT WAS IN THE PAST FEW DAYS, THOUGH SUCH ACTIVITY IS NOT PROBABLE. ACCELERATED DEVELOPMENT OR DECLINE IN REGIONS 247 OR 236 COULD RAISE THE POTENTIAL FOR A LARGE CLASS C, OR CLASS M X-RAY FLARE.

II. THE GEOMAGNETIC FIELD IS QUIET, BUT MAY BECOME MILDLY UNSETTLED TODAY AND BE UNSETTLED THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 01 OCT - 03 OCT

CLASS M 30/35/40

CLASS X 02/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 SEP 118

PREDICTED 01 OCT - 03 OCT 114/111/109

90-DAY MEAN 30 SEP 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 SEP 02

ESTIMATED 30 SEP 02

PREDICTED 01 OCT - 03 OCT 07/09/10

SOLTERWARN

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HFUS BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 274

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL
ACTIVITY ISSUED 2200Z 01 OCT 1973

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS.

THE MOST ENERGETIC EVENT REPORTED CONSISTED OF A CLASS C4
SUBNORMAL FLARE IN REGION 243 (N11W73) AT 01/1255Z.

REGION 245 (S15W11) HAS PRODUCED OCCASIONAL MINOR SUBFLARES,
WHILE REGION 247 (S14E11) PRODUCED ONLY ONE SUB-FAINT FLARE
AT 01/1532Z. REGION 245 STILL CONTAINS AN ABNORMAL MAGNETIC
CONFIGURATION WITH LEADING POLARITY SOUTH AND EAST AND FOL-
LOWING POLARITY IN THE LARGEST WESTERN SPOT OF THE GROUP.
SLOW DEVELOPMENT OF SPOTS AND PLAGE IS STILL OCCURRING IN
REGIONS 245 AND 247. REGION 247 CONTAINS ENHANCED PLAGE BUT
ITS MAGNETIC CONFIGURATION IS SIMPLE AND BIPOLAR. THE COMPLEX
OF REGIONS 236 (N14W70), 243 (N11W73), AND 234 (N05W78) HAS
SHOWN ONLY SLIGHT DEVELOPMENT BUT HAS PRODUCED SPORADIC SUB-
FLARE ACTIVITY. OTHER REGIONS ARE RELATIVELY UNIMPRESSIVE,
AND THE LIMBS ARE QUIET.

IB. SOLAR ACTIVITY PROBABLY WILL REMAIN LOW THROUGH THE
FORECAST PERIOD. SPORADIC SUBFLARES ARE EXPECTED TO OCCUR
IN REGIONS 236, 243, 234, 245 AND 247. ONE OF THESE REGIONS
MAY PRODUCE A CLASS M EVENT DURING THE THREE-DAY FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET DURING
THE PAST 24 HOURS. QUIET TO UNSETTLED CONDITIONS ARE AN-
TICIPATED DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 02-04 OCT

CLASS M 35/35/35

CLASS X 02/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7CM FLUX

OBSERVED 01 OCT 109

PREDICTED 02-04 OCT 108/106/104

90-DAY MEAN 01 OCT 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 SEP 03

ESTIMATED 01 OCT 05

PREDICTED 02-04 OCT 08/10/09

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