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HOUS 2 BOU 300200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
30/0200Z SEP 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM CANARY ISLANDS
TAKEN AT 29/1130Z. LOCATIONS VALID AT 30 SEP 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0231 N05W75 285 0010 H 00 02 ALPHA

0236 N15W45 255 0400 D 10 13 BETA GAMMA

0241 N19E14 196 0120 H 01 01 ALPHA

0245 S15E16 194 0030 B 02 02 BETA

0247 S12E34 176 0030 B 08 13 BETA

0248 N12E44 166 0110 H 01 01 ALPHA

0250 S15E45 165 0000 A 00 01 ALPHA

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 30 SEP 0000Z.

NMBR LOCATION LO

0234 N05W49 259

0249 S13E76 134

II. NONE.

III. AREAS OF SPECIAL INTEREST-
REGIONS 236 AND 247.

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HFUS 1 BOU 300600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 273A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 30 SEPTEMBER 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.

A FEW NON-ENERGETIC SUBFLARES HAVE BEEN OBSERVED.

IB. NO MAJOR ACTIVITY IS EXPECTED. REGION 236 (N13W47) IS THE MOST
LIKELY REGION FOR THE MINOR ACTIVITY WHICH IS EXPECTED.

II. THE GEOMAGNETIC FIELD IS QUIET AND MAY BECOME SLIGHTLY UNSETTLED
DURING THE NEXT 24 HOURS/

III/ NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 273B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 30 SEPTEMBER 1973

IA. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL, WITH ONLY
OCCASIONAL NON-ENERGETIC SUBFLARES REPORTED. REGION 236 (N15W52)
SHOWS SOME SPOT GROWTH AND POSSIBLE EMERGENCE OF NEW FIELDS.
REGIONS 245 (S15E09) AND 247 (S12E27) ARE CONTINUING GRADUAL
SPOT GROUP DEVELOPMENT. A SUB-NORMAL FLARE IN REGION 234 (N05W56)
AT 0600Z PRODUCED A LARGE DARK SURGE. REMAINDER OF THE DISK
REGIONS SHOW NO SIGNIFICANT DEVELOPMENT OR ACTIVITY.

IB. SUBFLARE ACTIVITY IS EXPECTED TO CONTINUE AT A LOW LEVEL,
WITH AN INFREQUENT XRAY FLARE ABOVE C1 LEVEL (ONE OR TWO PER DAY)
POSSIBLE. POTENTIAL EXISTS FOR MODERATELY ENERGETIC ACTIVITY
(CLASS M), BUT SUCH ACTIVITY IS UNLIKELY.

II. THE GEOMAGNETIC FIELD IS QUIET, AND MAY BECOME GRADUALLY
UNSETTLED THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 30 SEP-02 OCT

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 SEP 116

PREDICTED 30 SEP-02 OCT 113/111/110

90-DAY MEAN 29 SEP 091

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 SEP 04

ESTIMATED 29 SEP 03

PREDICTED 30 SEP-02 OCT 09/12/09

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HFUS BOU 302210

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 273

JOINT AEGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 30 SEP 1973

IA. SOLAR ACTIVITY HAS BEEN AT A LOW LEVEL DURING THE PAST NINE HOURS. OCCASIONAL NON-ENERGETIC SUBFLARES HAVE BEEN PRODUCED BY REGIONS 245 (S15E04), 247 (S15E25), AND 248 (N12E30). REGION 245 HAS AN UNUSUAL MAGNETIC CONFIGURATION WITH TRAILING POLARITY IN THE NORTH AND WEST AND LEADING POLARITY IN THE SOUTH. THE NEUTRAL LINE IN REGION 245 RUNS EAST-WEST THROUGH THE PLAGE, AND RECENT SPOT GROWTH HAS BEEN OBSERVED. ALL OF THIS INFORMATION SUGGESTS THAT REGION 245 MAY GAIN SIGNIFICANT POTENTIAL FOR PRODUCING ENERGETIC FLARES IF DEVELOPMENT CONTINUES THERE. REGION 247 HAS EXHIBITED RECENT SPOT GROWTH AND ENHANCED PLAGE, BUT THIS REGION CONTAINS A RELATIVELY SIMPLE MAGNETIC CONFIGURATION WITH A GENERALLY NORTH-SOUTH-RUNNING NEUTRAL LINE. REGIONS 236 (N14W56), 243 (N11W60), AND 234 (N05W64) HAVE SHOWN LITTLE RECENT CHANGE AND DO NOT APPEAR PARTICULARLY DYNAMIC NOW. OTHER REGIONS ARE RELATIVELY UNIMPRESSIVE, AND THE LIMBS HAVE REMAINED QUIET.

IB. REGION 245 PROBABLY WILL BECOME MORE DYNAMIC AS DEVELOPMENT CONTINUES. REGION 247 MAY PRODUCE OCCASIONAL SUBFLARES BUT IS EXPECTED TO RETAIN ITS SIMPLE MAGNETIC STRUCTURE. REGIONS 236, 243 AND 234 MAY PRODUCE OCCASIONAL SUBFLARES. OTHER REGIONS PROBABLY WILL REMAIN UNIMPRESSIVE AND GENERALLY QUIET.

II. THE GEOMAGNETIC FIELD HAS REMAINED QUIET DURING THE PAST 24 HOURS. UNSETTLED CONDITIONS PROBABLY WILL DEVELOP SOMETIME OCTOBER 1 AND CONTINUE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 01-03 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 01-03 OCT 114/111/109

90-DAY MEAN 30 SEP 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 SEP 02

ESTIMATED 30 SEP 02

PREDICTED 01-03 OCT 09/12/09

SOLTERWARN

SPAN

BT