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HOUS 2 BOU 210200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
21/0200Z APRIL 1973

I. SUNSPOT DATA FROM CANARY IS. AT 20/0800Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

0082 N13E49 151 0170 D 08 14 BETA

0083 S14E17 183 0090 D 08 24 BETA-GAMMA

0084 N11E51 149 0090 C 04 07 ALPHA

MAGNETIC CLASSES FROM BOULDER SPECTROHELIOSCOPE. NOTE 082 IS
REVERSED POLARITY, AND 082 AS DESCRIBED YESTERDAY IS NOW CALLED
TWO SEPARATE REGIONS--082 AND 084.

II. NONE.

III. AREAS OF SPECIAL INTEREST-

WATCH FOR RETURN OF OLD 064 AT SE05.

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HFUS 1 BOU 210601

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 111A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 21 APRIL 1973

IA. NO CHANGE

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

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HFUS 1 BOU 211300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 111B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 21 APRIL 1973

IA. SOLAR ACTIVITY REMAINS LOW. REGION 083 (S16E05) IS STABLE AND
DECLINING. BOTH REGIONS 082 (N12E35) AND 084 (N10E39) SHOW CONTINUED
EVOLUTIONARY GROWTH PATTERNS.

IB. PROBABILITIES ARE TRENDED UPWARD AS GROWTH PATTERN IN 082/084
COMPLEX INCREASES POSSIBILITY FOR LOW LEVEL CLASS M EVENTS.

II. THE GEOMAGNETIC FIELD CONTINUES AT MINOR MAGSTORM INTENSITY.
THE FIELD IS EXPECTED TO REMAIN AT MINOR MAGSTORM TO ACTIVE CONDITIONS
FOR THE BALANCE OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 21 - 23 APR

CLASS M 25/30/35

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 APR 85

PREDICTED 21 - 23 APR 88/90/94

90-DAY MEAN 20 APR 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 19 APR 32

ESTIMATED 20 APR 32

PREDICTED 21 - 23 APR 35/26/20

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

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JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1300Z 21 APRIL 1973

IA. SOLAR ACTIVITY REMAINS LOW. REGION 083 (S16E05) IS STABLE AND DECLINING. BOTH REGIONS 082 (N12E35) AND 084 (N10E39) SHOW CONTINUED EVOLUTIONARY GROWTH PATTERNS.

IB. PROBABILITIES ARE TRENDING UPWARD AS GROWTH PATTERN IN 082/084 COMPLEX INCREASES POSSIBILITY FOR LOW LEVEL CLASS M EVENTS.

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HFUS BOU 212200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 111
JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 21 APRIL 1973
IA. SOLAR ACTIVITY REMAINS LOW, WITH LITTLE CHANGE ON THE DISK
SINCE YESTERDAY. REGION 082 (N12E29) HAS SHOWN SLIGHT GROWTH WITH NO
CHANGE IN COMPLEXITY, AND 083 (S16W01) HAS SHOWN DECAY. LIMB
ACTIVITY AT N05E90 TO S05E90 AND ENHANCED EUV DATA FROM OSO-7
INDICATE OLD REGION 064 IS RETURNING.
IB. NO SIGNIFICANT ACTIVITY IS EXPECTED FROM 082, 083, OR 084 (N10E33).
082 IS CAPABLE OF MEDIUM M-CLASS ACTIVITY, BUT PROBABILITIES ARE
LOW. THE ONCOMING REGION SEEMS AT LEAST MODERATE IN SIZE, AND
ACTIVITY MAY INCREASE AS IT COMES ONTO THE DISK.
II. THE MINOR STORM IN THE GEOMAGNETIC FIELD CONTINUES WITH LITTLE
CHANGE IN INTENSITY. ACTIVITY IS EXPECTED TO SLIGHTLY
ACTIVE DURING THE NEXT 72 HOURS.
III. EVENT PROBABILITIES 22-24 APRIL
CLASS M 25/30/35
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 21 APRIL 94
PREDICTED 22-24 APRIL 98/102/105
90-DAY MEAN 21 APRIL 101
V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 20 APRIL 33
ESTIMATED 21 APRIL 32
PREDICTED 22-24 APRIL 26/22/20
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