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HOUS 2 BOU 060200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
06/0200Z MAY 1973

I. SUNSPOT DATA FROM CANARY IS. AT 05/0730Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

0092 S13E24 339 0560 F 19 59 DELTA
0093 S11E41 322 0010 A -- 01 ALPHA
0095 S12E61 302 0020 D 06 04 BETA
0096 S13W16 019 0030 D 04 04 BETA
0098 S12E32 331 0010 C 01 03 BETA

MAGNETIC CLASSES INFERRED AT CANARY IS.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

092 ON 05/0203Z 0205Z 0225Z S
092 ON 05/0451Z 0453Z 0506Z M-1S
092 ON 05/0524Z 0536Z 0545Z S
092 ON 05/0702Z 0702Z 0717Z M-2S
092 1B 05/0932Z 0932Z 1000Z M-2S
092 2B 05/1658Z 1722Z 1844Z X-2S

III. AREAS OF SPECIAL INTEREST-

DELTA'S IN LEADER AND TRAILER OF RGN 092

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HFUS 1 BOU 060600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 126A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 06 MAY 1973

IA. SOLAR ACTIVITY HAS BEEN LOW SINCE THE TWO BRILLIANT FLARE
AT 05/1658Z. A FEW NON-ENERGETIC SUBFLARES HAVE BEEN OBSERVED.

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 061300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 126B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 6 MAY 1973

IA. NO SIGNIFICANT CHANGES HAVE OCCURRED SINCE 05/2200Z. THE TWO-BRIGHT FLARE IN 092 (S13E11) AT 05/1722Z HAS FRAGMENTED THE CENTRAL UMBRA INTO SMALLER SPOTS, AND SPOT GROWTH CONTINUES IN THE TRAILERS. 092 CONTINUES TO SUBFLARE AT A RATE SLIGHTLY LESS THAN ONE PER HOUR. THE LARGE APR AT SW18 IS ACTIVE. OTHER REGIONS ARE QUIET.

IB. REGION 092 REMAINS CAPABLE OF ENERGETIC ACTIVITY. M-CLASS FLARES ARE PROBABLE AND X-CLASS FLARES ARE POSSIBLE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET SINCE 05/2100Z AND REMAINS SO. THE FIELD MAY BECOME UNSETLED NEAR THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 06-08 MAY

CLASS M 90/90/90

CLASS X 20/20/20

PROTON 12/15/15

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 MAY 115

PREDICTED 06-08 MAY 117/119/121

90-DAY MEAN 05 MAY 103

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 MAY 08

ESTIMATED 05 MAY 04

PREDICTED 06-08 MAY 06/05/07

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HFUS BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 126

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 06 MAY 1973.

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. REGION 092 (S13E09)
HAS PRODUCED NUMEROUS SUBFLARES, TWO OF WHICH WERE SMALL X-RAY
CLASS M FLARES WITH ASSOCIATED SHORTWAVE FADES. OTHER REGIONS ON
THE DISK ARE SMALL AND HAVE PRODUCED NO ACTIVITY.

IB. REGION 092 IS REPORTED TO SHOW SOME SIGNS OF FRAGMENTATION,
BUT MAY ALSO BE DEVELOPING NEW BIPOLE FIELDS NEAR ITS CENTER. IT
REMAINS A POTENT REGION, CAPABLE OF HIGHLY ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD REMAINS QUIET, BUT HAS SHOWN SIGNS OF
BECOMING UNSETTLED OVER THE LAST FEW HOURS. RECURRENCE SUGGESTS
THAT THE FIELD MAY BECOME INCREASINGLY UNSETTLED THROUGHOUT THE
FORECAST PERIOD.

III. EVENT PROBABILITIES 07 MAY - 09 MAY.

CLASS M 80/80/80

CLASS X 15/15/15

PROTON 10/10/15

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 06 MAY 108

PREDICTED 07 MAY - 09 MAY 112/110/108

90-DAY MEAN 06 MAY 103

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 05 MAY 04

ESTIMATED 06 MAY 06

PREDICTED 07 MAY - 09 MAY 06/08/10

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SDF NUMBER 126

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