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HOUS 2 BOU 220200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
22/0200Z APRIL 1973

I. SUNSPOT DATA FROM CANARY IS. AT 21/0850Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

0082 N12E36 151 0140 D 10 23 BETA

0083 S16E06 181 0030 C 03 04 BETA

0084 N10E40 147 0060 C 04 04 BETA

MAGNETIC CLASSIFICATIONS FROM CANARY ISLANDS.

II. NONE

III. AREAS OF SPECIAL INTEREST-

SURGE ACTIVITY AT APPROX. S05E90 INDICATES RETURN OF OLD 064.

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HFUS 1 BOU 220601

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 112A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 22 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 221300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 112B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 22 APRIL 1973

IA. SOLAR ACTIVITY REMAINS LOW. ADDITIONAL SUNSPOT GROWTH HAS  
OCCURRED IN REGIONS 082 (N14E24) AND 083 (S16W13) DURING THE PAST  
15 HOURS BUT NO SIGNIFICANT PLAGE CHANGES HAVE OCCURRED TO THIS TIME.  
A SMALL AMOUNT OF PLAGE AND MINOR SURGING IS OCCURRING NEAR SE05  
WITH THE RETURN OF OLD REGION 064.

IB. ONE TO THREE LOW LEVEL CLASS M EVENTS ARE POSSIBLE DURING THE  
FORECAST PERIOD.

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 22 - 24 APR

CLASS M 25/30/35

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 APR 94

PREDICTED 22 - 24 APR 98/102/105

90-DAY MEAN 21 APR 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 APR 33

ESTIMATED 21 APR 32

PREDICTED 22 - 24 APR 35/26/20

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HFUS BOU 222200

FROM SPACE ENVIRONMENT SERVICE CENTER BOULDER COLO

SDF NUMBER 112

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z APRIL 22 1973

IA. SOLAR ACTIVITY HAS INCREASED DURING THE PAST FEW HOURS. A CLASS M-1 SUBFLARE IN REGION 085 /S05E85/ PRODUCED A SMALL SHORTWAVE FADE AT 1408Z TODAY. THIS REGION, WHICH APPEARS TO BE OLD REGION 064, IS STILL ROTATING ONTO THE DISK. MT. WILSON REPORTS A DELTA CONFIGURATION IN THE CENTRAL PART OF REGION 082 /N12E18/ WHERE SLOW SPOT GROWTH IS OCCURRING. A LONG-LIVED SUBFLARE IN THIS REGION AT 1503Z TODAY PRODUCED A CLASS M-1 X-RAY BURST. REGION 083 /S16W15/ IS DECAYING.

IB. SMALL CLASS M FLARES ARE EXPECTED IN REGION 082 DURING THE FORECAST PERIOD. REGION 085, TOO NEAR THE LIMB FOR A DETAILED ANALYSIS, IS PROBABLY CAPABLE OF PRODUCING ADDITIONAL CLASS M EVENTS.

II. THE MINOR GEOMAGNETIC STORM APPEARS TO BE DECLINING. A GRADUAL RETURN TO UNSETTLED CONDITIONS IS EXPECTED DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 23-25 APRIL

CLASS M 50/55/55

CLASS X 05/05/05

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 APRIL 101

PREDICTED 23-25 APRIL 108/114/116

90-DAY MEAN 22 APRIL 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 APR 34

ESTIMATED 22 APR 29

PREDICTED 23-25 APR 22/18/12

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