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HOUS 2 BOU 030200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
03/0200Z APRIL 1973

I. SUNSPOT DATA FROM CANARY IS. AT 02/0830Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

061 N07W69 157 0070 H XX 02 ALPHA

064 S05W03 091 0480 E 14 35 BETA-GAMMA

067 N13E38 050 0220 D 06 06 GAMMA

069 N09W62 150 0050 C 06 03 ALPHA

070 S12E51 037 0020 B XX 02 BETA

071 S06E87 001 0040 H XX 01 ALPHA

MAG CLASSES FROM MT. WILSON. DELTAS IN 064 AND 067.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END

067 1B 02/1322Z 1326Z 1352Z

064 1N 02/1532Z 1534Z 1551Z

III. AREAS OF SPECIAL INTEREST-

WATCH SE LIMB FOR OLD 057 AND 056.

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HFUS 1 BOU 030601

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 093A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 03 APRIL 1973

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

REGION 071 (S15E78) HAS BEEN THE MOST ACTIVE, ONLY MINOR SUBFLARES
HAVE BEEN OBSERVED.

IB. NO CHANGE.

II. THE GEOMAGNETIC FIELD CONTINUES TO BE DISTURBED.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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need either j or a

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HFUS 1 BOU 031300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 093B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1300Z 03 APRIL 1973

I. SOLAR ACTIVITY REMAINS LOW. REGIONS 061/069 (N07W74/N09W67) ARE CONTINUING TO DECLINE, PRODUCING FEW SUBFLARES. REGIONS 064/067 (S05W08/N13E33), WHILE NOT SHOWING MUCH RECENT GROWTH, REMAIN QUITE ACTIVE AND POTENTIAL AND CONTINUE TO SUBFLARE, EACH PRODUCING AN OPTICAL CLASS 1 FLARE EARLY IN THE FOREGOING 24 HOUR PERIOD. REGIONS 070/071 (S12E46/S06E82) ARE SMALL, SHOWING ONLY MINOR PLAGE ACTIVITY AND AN OCCASIONAL SUBFLARE.

IB. DESPITE THE CURRENT LULL IN SOLAR ACTIVITY, THE LARGE ACTIVE REGIONS 064/067 HAVE STRONG POTENTIAL FOR MODERATELY ENERGETIC EVENTS, AND SOME POSSIBILITY OF CLASS X OR PROTON EVENTS. EAST LIMB ACTIVITY EVIDENCES THE RETURN OF OLD REGIONS 056/057.

II. THE GEOMAGNETIC FIELD HAS QUIETED CONSIDERABLY SINCE YESTERDAY'S STORM, AND ITS DECLINING TREND SHOULD BE GRADUAL, TOWARD AN UNSETTLED STATE, THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 03 APR - 05 APR

CLASS M 35/85/80

CLASS X 25/25/10

PROTON 05/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 APR 122

PREDICTED 03 APR - 05 APR 126/128/126

90-DAY MEAN 02 APR 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 APR 67

ESTIMATED 02 APR 36

PREDICTED 03 APR - 05 APR 25/20/15

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NO comma here

should be comma - minor point

how about "last" -
simple words always
better

Jim - good forecast

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HFUS BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO 1400

SDF NUMBER 093

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 03 APRIL 1973

IA. ACTIVITY CONTINUES MODERATE. REGION 064 (S06W23): MAINTAINS DELTA CONFIGURATION, HAS SHOWN SPOT GROWTH, AND THE LEADER PENUMBRA HAS BROKEN UP SOMEWHAT. 067 (N12E17): SLIGHT DECLINE, AND IS NO LONGER A DELT. BOTH REGIONS CONTINUE TO SUBFLARE, AND BOTH HAVE PRODUCED HIGH C OR LOW M-CLASS ACTIVITY ACCOMPANIED BY IMPORTANCE 2 TYPE III EVENTS. 061/069 IS AT WEST LIMB AND SHOWS FURTHER DECLINE. 070 (S12E32): GROWTH CONTINUES, BUT THE REGION IS STILL SMALL AND SIMPLE. 071 (S12E65): NOW VISIBLE AS A BIPOLE. NEW REGION 072 HAS APPEARED AT S13 EAST LIMB, IS OLD 057 RETURNING AS AN H-TYPE SPOT.

IB. BOTH 064 AND 067 ARE LIKELY TO PRODUCE M-CLASS EVENTS, AND MAY PRODUCE X-CLASS EVENTS. PROBABILITIES ARE SLIGHTLY HIGHER FOR 064 THAN 067. OLD 056 IS EXPECTED TO RETURN AT S11 WITHIN 12 HOURS.

II. THE MAGNETIC FIELD HAS BEEN UNSETTLED DURING DAYLIGHT HOURS AND REACHED MINOR STORM LEVEL DURING NIGHTTIME HOURS. GENERAL LEVELS OF ACTIVITY SHOULD DECREASE DURING THE NEXT THREE DAYS, WITH CONTINUED INCREASED ACTIVITY DURING NIGHTTIME HOURS. POSSIBLE WEAK SUDDEN COMMENCEMENT AND INCREASED UNSETTLEMENT ON 05/0600Z DUE TO 1B FLARE AT 01/1707Z.

III. EVENT PROBABILITIES 04-06 APRIL

CLASS M 75/70/70

CLASS X 20/15/15

PROTON 10/10/10

PCAF GREEN

IV. OTTAWA 10.7CM FLUX *125 106*

OBSERVED 03 APRIL 129

PREDICTED 04-06 APRIL 130/128/126

90-DAY MEAN 03 APRIL 101

V. GEOMAGNETIC A-INDICES

OBSERVED FREDERICKSBURG 02 APRIL 37

ESTIMATED 03 APRIL 25

PREDICTED 04-06 APRIL 20/15/15

SOLTERWARN

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