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HOUS 2 BOU 310200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
31/0200Z MAR 1973

I. SUNSPOT DATA FROM CANARIES AT 300930Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

061 N07W30 146 0200 D 03 06 BETA

064 S05E36 080 0410 D 10 27 BETA/GAMMA

067 N12E77 039 0180 H XX 01 ALPHA

NOTE- MAGNETIC TYPE INFERRED BY CANARIES.

II. NONE.

III. AREAS OF SPECIAL INTEREST-

REGION 064 (S05E35) AND EAST LIMB, BOTH NORTH & SOUTH
FOR REGIONS ROTATING ONTO THE VISIBLE DISK.

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HFUS 1 BOU 310601

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 090A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 31 MARCH 1973

IA. SMALL SURGES HAVE BEEN OBSERVED AT N15 EAST LIMB.

IB. NO CHANGE.

II. NO CHANGE.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 090B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 31 MARCH 1973

IA. SOLAR ACTIVITY CONTINUES LOW WITH TEN SUBFLARES REPORTED THUS
FAR TODAY. LOW C-CLASS XRAY EVENTS AND WEAK CENTIMETRIC BURSTS
WERE ASSOCIATED WITH THREE OF THESE SUBFLARES. MOST SUBFLARE
ACTIVITY HAS BEEN IN RGN 064(S05E25) WHICH CONTINUES MODERATE
PLAGE AND SPOT GROWTH. NEW BIPOLAR GROWTH IS OCCURRING IN H-ALPHA
AND WHITE LIGHT JUST NE OF RGN 061(N07W45).

IB. ACTIVITY WILL CONTINUE LOW TO MODERATE. RGN 064 HAS CAPABILITY
TO PRODUCE AN M-CLASS XRAY EVENT. RENEWED ACTIVITY IS LIKELY IN
RGN 061.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED WITH ACTIVE PERIODS
DURING LOCAL NIGHT SINCE 28 MARCH. STRONGLY UNSETTLED CONDITIONS
ARE EXPECTED TO PERSIST THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 31 MAR - 02 APR

CLASS M 40/45/45

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 MAR 103

PREDICTED 31 MAR-02 APR 105/107/108

90-DAY MEAN 30 MAR 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 MAR 13

ESTIMATED 30 MAR 12

PREDICTED 31 MAR-02 APR 12/14/14

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HFUS BOU 312100

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 090

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 31 MARCH 1973.

IA. SOLAR ACTIVITY HAS BEEN VERY LOW, BUT DEVELOPMENT OF SEVERAL REGIONS IS SIGNIFICANT. REGION 061 (N07W48) HAS BEEN INACTIVE, BUT A NEW SPOT GROUP, 069 (N09W37) WAS BORN IN CLOSE PROXIMITY. ARCH FILAMENT STRUCTURE IN THE TRAILER OF 069 SUGGESTS THAT ADDITIONAL SPOTS MAY APPEAR. REGION 067 (N08E61) APPEARS TO BE MAGNETICALLY COMPLEX. SLOW GROWTH OF 064 (S05E21) CONTINUES, AND THE LATTER TWO REGIONS HAVE PRODUCED ALL OF THE CLASS C EVENTS SINCE REPORT 089.

IB. CLASS C ACTIVITY IS EXPECTED TO INCREASE IN ALL THREE REGIONS, AND CLASS M ACTIVITY MAY BEGIN IN THE NEXT DAY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED, WITH A FEW ACTIVE PERIODS (ESPECIALLY AT HIGHER LATITUDES). THESE CONDITIONS ARE EXPECTED TO CONTINUE, AND MAY INTENSIFY SOMEWHAT, AS THE PASSAGE OF A SOLAR WIND SECTOR BOUNDARY IS EXPECTED TOMORROW.

III. EVENT PROBABILITIES 1 APR -3 APR

CLASS M 50/55/60

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 MARCH 111

PREDICTED 1 - 3 APRIL 112/115/117

90-DAY MEAN 31 MARCH 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 MARCH 11

ESTIMATED 31 MARCH 13

PREDICTED 1 APR -3 APR 14/14/10

SOLTERWARN

SPAN

BT