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HOUS 2 BOU 250200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
25/0200Z MARCH 1973

I. SUNSPOT DATA FROM CANARY AT 24/0915Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

059 N15W30 226 0150 D 06 08 BETA DELTA

061 N08E51 145 0250 H 02 01 ALPHA

062 N06E50 146 0030 C 03 05 BETA

063 N12E03 193 0000 A 00 02 ALPHA

NOTE- MT WILSON COMBINES 061/062 AS ONE GROUP CLASSIFIED GAMMA.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

059 1N 24/0305Z 0312Z 0345Z

059 0B 24/1153Z 1159Z 1209Z M-1

III. AREAS OF SPECIAL INTEREST-

REGION 059 MAGNETICALLY COMPLEX WITH COMPLEXITY INCREASING.

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HFUS 1 BOU 250601

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 084A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 25 MARCH 1973

IA. MAUNO LOA REPORTED AN EPL AT S04E90, WHICH STARTED ERUPTING
24/2000Z AND ENDED NEAR 24/2200Z. CORONAL TRANSIENTS WERE OBSERVED
WITH THE EPL. IN REGION 059 (N15W40) A SUB-BRIGHT FLARE AT 25/0032Z
PRODUCED A MINOR BURST ON 10 CM.

IB. FLARE ACTIVITY WILL CONTINUE AT PRESENT LEVEL.

II. THE GEOMAGNETIC FIELD CONTINUES TO BE DISTURBED.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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HFUS 1 BOU 251300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 084B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 25 MARCH 1973

IA. SOLAR ACTIVITY HAS BEEN MODERATE. REGION 059 (N15W37) HAS INCREASE
IN MAGNETIC COMPLEXITY AND HAS PRODUCED THREE CLASS M X-RAY EVENTS IN
THE PAST 24 HOURS.

IB. ONE TO THREE CLASS M EVENTS ARE EXPECTED FROM REGION 059 DURING
THE NEXT 48 HOURS.

II. THE GEOMAGNETIC FIELD HAS CONTINUED TO EXPERIENCE MINOR STORM
CONDITIONS. THE MINOR STORM WILL CHANGE GRADUALLY TO ACTIVE CONDITIONS
DURING THE REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 25-27 MAR

CLASS M 55/55/40

CLASS X 01/01/01

PROTON 02/03/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 MAR 90

PREDICTED 25-27 MAR 91/90/88

90-DAY MEAN 24 MAR 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 MAR 31

ESTIMATED 24 MAR 25

PREDICTED 25-27 MAR 33/23/15

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COMMA

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 084

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 25 MARCH 1973

IA. SOLAR ACTIVITY CONTINUES AT A MODERATE LEVEL WITH MOST ACTIVITY
REPORTED FROM REGION 059 (N14W50) WHERE 8 SUBFLARES WERE OBSERVED
DURING THE LAST 24 HOURS. CLASS M3 X-RAY EVENTS AND SHORT WAVE
FADES ACCCOMPANIED SUBFLARES FROM THIS REGION AT 0038Z AND 0915Z
AND A 100 FLUX UNIT RADIO BURST AT 2695 MHZ WAS OBSERVED AT 0038Z.
A SUBFLARE IN REGION 059 AT 0448Z WAS ACCCOMPANIED BY AN M1 X-RAY
EVENT, A MINOR SHORT WAVE FADE AND A 46 FLUX UNIT BURST AT 2695
MHZ. AT 1620Z, AN X-RAY EVENT OF GREATER THAN C4 CLASS WAS OBSERVED
WITH A STRONG PHASE SHIFT IN THE JUPITER VLF SIGNAL. A MODERATE
SHORT WAVE FADE ACCCOMPANIED THIS EVENT. NO OPTICAL EVENT WAS RE-
PORTED, BUT VERY POOR TO NON-EXISTENT SEEING WAS REPORTED AT ALL
OBSERVING SITES. REGIONS 061 (N07E28) AND 62 (N04E29) HAVE PRODUCED
TWO SMALL SUBFLARES, AND SOME SLIGHT GROWTH HAS BEEN OBSERVED IN
THE COMPLEX, BUT THE REGION NOW APPEARS STABLE.

IB. REGION 059 RETAINS A COMPLEX MAGNETIC CONFIGURATION AND
SHOULD CONTINUE TO PRODUCE OCCASIONAL SUBFLARES WITH ONE TO THREE
MORE M EVENTS LIKELY DURING THE FORECAST PERIOD. THE 061/062
COMPLEX MAY PRODUCE A FEW SUBFLARES, BUT ENERGETIC ACTIVITY IS NOT
EXPECTED FROM THESE REGIONS.

II. MINOR GEOMAGNETIC STORM CONDITIONS CONTINUE, BUT THE GEOMAG-
NETIC FIELD IS EXPECTED TO GRADUALLY BECOME LESS DISTURBED, WITH
UNSETTLED TO ACTIVE CONDITIONS EXPECTED DURING THE LAST 2 DAYS
OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 26 MAR - 28 MAR.

CLASS M 60/50/40

CLASS X 02/02/01

PROTON 03/03/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 25 MAR 91

PREDICTED 26 MAR - 28 MAR 92/94/96

90-DAY MEAN 25 MAR 101

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 24 MAR 33

ESTIMATED 25 MAR 36

PREDICTED 26 MAR - 28 MAR 26/15/15

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