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HOUS 2 BOU 270200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
27/0200Z MARCH 1973

I. SUNSPOT DATA FROM BOULDER AT 26/1615Z

NMBR LOCATION LO AREA Z LL NM MAG-TYPE

059 N15W61 227 0080 H 02 03 ALPHA

061 N06E20 146 0260 H 03 05 ALPHA

062 N05E20 146 0020 C 08 09 BETA

NOTE- MAGNETIC CLASSIFICATIONS INFERRED AT BOULDER. AT 26/2000Z
AN H TYPE SPOT WAS OBSERVED AT S05E88. THIS WILL BE NUMBERED
REGION 064.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

059 ON 25/2356Z 25/2359Z 26/0010Z S

061 ON 26/1925Z 1928Z 2040Z S

III. AREAS OF SPECIAL INTEREST-

A NEW REGION IS BEGINNING TO ROTATE ONTO THE DISK AT SE 04-06.

OSO-7 X-RAY DATA SHOWS CONSIDERABLY ENHANCED FLUX AT 8-15
ANGSTROMS IN THIS REGION.

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HFUS 1 BOU 270601

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 086A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 27 MARCH 1973

IA. NO CHANGE

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 086B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 27 MARCH 1973

IA. SOLAR ACTIVITY CONTINUES TO DECLINE, WITH ONLY ONE SUBFLARE
REPORTED IN THE LAST 15 HOURS. REGION 064(S05E79) IS NOW VISIBLE
AS A "D" TYPE GROUP.

IB. REGIONS 061/062(N05E10) ARE STILL CAPABLE OF OCCASIONAL
CLASS M EVENTS. REGION 059(N15W71) NO LONGER APPEARS CAPABLE OF
ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING THE PAST 24 HOURS.
UNSETTLED DAYTIME AND ACTIVE NIGHTTIME CONDITIONS ARE EXPECTED FOR
THE NEXT 36 HOURS WITH SOME INCREASED DISTURBANCE LIKELY ON THE
29TH.

III. EVENT PROBABILITIES 27 - 29 MAR

CLASS M 50/50/50

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 MAR 89

PREDICTED 27 - 29 MAR 90/92/93

90-DAY MEAN 26 MAR 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 MAR 42

ESTIMATED 26 MAR 19

PREDICTED 27 - 29 MAR 15/15/20

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 086

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 27 MARCH 1973

IA. SOLAR ACTIVITY HAS DECLINED TO A VERY LOW LEVEL WITH ONLY
8 VNON-ENERGETIC SUBFLARES OBSERVED DURING THE LAST 24 HOURS.
FOUR OF THESE SUBFLARES OCCURRED IN REGION 059 (N08W77).

A 1B FLARE, IN PROGRESS AT 2130Z, IS ACCOMPANIED BY
SHORT WAVE FADES AND A STRONG TYPE III RADIO-BURST AT DEKAMETRIC
WAVELENGTHS. SPOT DECAY HAS BEEN OBSERVED IN THIS REGION.

REGIONS 61 AND 62 ARE NOW COMBINED INTO A SINGLE REGION 061
(N08E02) WHICH PRODUCED 2 SUBFLARES. SOME SLIGHT SPOT DECAY HAS
OCCURRED IN THIS REGION, BUT THE REGION STILL HAS A MODERATELY COM-
PLEX MAGNETIC FIELD. NEW REGION 064 (S03E70) IS THE BRIGHTEST
FEATURE ON THE DISK AND IS FREQUENTLY FLUCTUATING TO NEAR FLARE
INTENSITY. TWO SUBFLARES HAVE OCCURRED IN THIS REGION DURING THE
LAST 6 HOURS. THIS REGION DOES NOT APPEAR COMPLEX, BUT THE REGION
HAS DEVELOPED ON THE BACK SIDE OF THE DISK AND MAY STILL BE GROWING.

IB. A GENERALLY LOW LEVEL OF SOLAR ACTIVITY IS EXPECTED DURING THE
FORECAST PERIOD, BUT ONE OR TWO SMALL CLASS M X-RAY EVENTS ARE
POSSIBLE FROM REGION 059, 061 OR 064.

II. THE GEOMAGNETIC FIELD CONTINUES ACTIVE. DURING THE NEXT 24
HOURS, UNSETTLED DAYTIME AND ACTIVE NIGHTTIME CONDITIONS ARE EX-
PECTED WITH MOST ACTIVITY LIKELY ON THE 29TH.

III. EVENT PROBABILITIES 28 MAR - 30 MAR.

CLASS M 40/40/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 27 MAR 90

PREDICTED 28 MAR - 30 MAR 94/96/97

90-DAY MEAN 27 MAR 101

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 26 MAR 19

ESTIMATED 27 MAR 19

PREDICTED 28 MAR - 30 MAR 15/20/15

SOLTERWARN

SPAN

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