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HOUS 2 BOU 140200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
14/0200 MAR 1973

I. SUNSPOT DATA FROM CANARY ISLANDS AT 13/0830Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

051 S19W36 018 0070 C 03 03 BETA

054 N12W49 031 0090 E 12 25 BETA

055 S07E01 341 0400 E 14 40 BETA-GAMMA

056 S11E17 325 0110 D 06 15 BETA

057 S13E08 334 0160 D 05 15 BETA

MAGNETIC CLASSIFICATIONS INFERRED AT CANARY IS.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN	IMP	BEGIN	MAX	END	CLASS
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054	0N	13/0900Z	0903Z	0921Z	MIS
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057	0B	13/1930Z	1952Z	2030Z	M1
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III. AREAS OF SPECIAL INTEREST-

REGIONS 054 AND 057 SHOW INCREASING SPOT GROWTH AND MAGNETIC
COMPLEXITY. A DELTA MAGNETIC CONFIGURATION COULD DEVELOPE
IN EITHER GROUP.

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 073A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 14 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 141300
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 073B
JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 14 MARCH 1973
IA. SOLAR ACTIVITY REMAINS MODERATE WITH 10 SUBFLARES HAVING BEEN
REPORTED SINCE 13/2200Z. A OB FLARE IN REGION 054 (N12W62) AT 0928Z
IS PRELIMINARILY CLASSED M1. A WEAK CENTIMETRIC BURST AND SWF (9-15 MHZ)
ACCOMPANIED THIS EVENT. A SECOND XRAY EVENT AT 0753Z PRELIMINARILY
CLASSED M1 COULD HAVE BEEN ASSOCIATED WITH EITHER ON FLARES OCCURRING
SIMULTANEOUSLY IN REGIONS 054 AND 057 (S13W05). REGIONS 051 (S19W49)
AND 055 (S07W12) HAVE ALSO PRODUCED AT LEAST ONE SUBFLARE.
IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE WITH UPPER LEVEL
CLASS C/LOWER LEVEL CLASS M ACTIVITY OCCURRING IN REGIONS 054, 055 AND
057.
II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. IT IS EXPECTED TO REMAIN
QUIET, BECOMING UNSETTLED 15 MARCH.
III. EVENT PROBABILITIES 14-16 MAR
CLASS M 50/50/50
CLASS X 01/01/01
PROTON 05/05/05
PCAF GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 13 MAR 120
PREDICTED 14-16 MAR 115/114/112
90-DAY MEAN 13 MAR 103
V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 12 MAR 10
ESTIMATED 13 MAR 06
PREDICTED 14-16 MAR 05/10/12
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HFUS BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 073

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 14 MARCH 1973

IA. SOLAR ACTIVITY REMAINS AT A MODERATE LEVEL WITH SEVERAL SUB-
FLARES OBSERVED IN REGIONS 054 (N12W68) AND 057 (S13W10). THE
LARGEST OPTICAL EVENT WAS AN IMPORTANCE 1B FLARE IN REGION 054
AT 0925Z. SHORT WAVE FADES OCCURRED AT 0108, 0927, 1341, 1501
AND 1701Z. MAGNETIC GRADIENTS IN THE 056/057 COMPLEX APPEAR TO BE
INCREASING AS THE TRAILER SPOTS OF REGION 057 ARE MOVING TOWARD
THE LEADER SPOT OF 056.

IB. CLASS C ACTIVITY IS EXPECTED TO REMAIN AT A MODERATE LEVEL
AND THE 056/057 COMPLEX APPEARS CAPABLE OF PRODUCING SMALL CLASS
M EVENTS.

II. THE GEOMAGNETIC FIELD IS QUIET. A SMALL RECURRENT TYPE DIS-
TURBANCE SHOULD BEGIN WITHIN THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 15 MAR - 17 MAR.

CLASS M 60/55/55

CLASS X 01/01/01

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 14 MAR 121 ✓

PREDICTED 15 MAR - 17 MAR 118/115/114

90-DAY MEAN 14 MAR 121 ✓

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 13 MAR 06

ESTIMATED 14 MAR 03

PREDICTED 15 MAR - 17 MAR 10/12/08

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