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HOUS 2 BOU 220200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
22/0200Z MARCH 1973.

I. SUNSPOT DATA FROM CANARY ISLANDS AT 21/0950Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

059 N17E12 223 0180 D 07 17 BETA

NOTE: MAGNETIC CLASSIFICATION INFERRED AT CANARIES

AN H TYPE SPOT (REGION NUMBER 061) HAS ROTATED ONTO
THE VISIBLE DISK NEAR N10.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS:

NONE

III. AREAS OF SPECIAL INTEREST:

AREA OF EMERGING FLUX AT S15E07.

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HFUS 1 BOU 220600
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 081A
JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 22 MARCH 1973
IA. SOLAR ACTIVITY REMAINS VERY LOW. A TYPE H SPOT GROUP
(REGION 061) HAS ROTATED ONTO THE VISIBLE DISK NEAR N08. ACTIVITY
FROM THIS REGION HAS BEEN LIMITED TO NON-ENERGETIC SUBFLARES
AND SURGES.
IB. NO CHANGE
II. THE MINOR GEOMAGNETIC STORM CONTINUES.
III. NO CHANGE
IV. NO CHANGE
V. NO CHANGE
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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 081B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1300Z 22 MARCH 1973

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 059(N15W03) APPEARS TO HAVE DECLINED SOMEWHAT IN WHITE LIGHT AND H-ALPHA, ALTHOUGH SOME NEW SPOTS HAVE APPEARED SOUTHWEST OF THE LEADER. THIS REGION HAS PRODUCED SEVEN C-CLASS SUBFLARES SINCE 21/2200Z. NEW REGION 061(N08E80) PRODUCED ONE C-CLASS SUBFLARE AT 0414Z.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW, CONFINED MAINLY TO C-CLASS SUBFLARES.

II. THE GEOMAGNETIC DISTURBANCE CONTINUES. MID LATITUDE NIGHTTIME GEOMAGNETIC K INDICES OF 5 AND 6 CONTINUE TO BE RECORDED. THE MAGNETIC ACTIVITY IS EXPECTED TO DECLINE GRADUALLY THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 22 - 24 MAR

CLASS M 20/10/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 MAR 88

PREDICTED 22 - 24 MAR 90/92/94

90-DAY MEAN 21 MAR 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 MAR 43

ESTIMATED 21 MAR 37

PREDICTED 22 - 24 MAR 35/30/25

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HFUS BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 081

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 22 MARCH 1973

IA. EIGHT SUBFLARES HAVE OCCURRED IN REGION 059 (N16W09) AND FOUR
SUBFLARES IN REGION 061 (N09E73)/062 (N06E73) COMPLEX. NO XRAY
EVENT GREATER THAN C5 HAS OCCURRED DURING THE PAST 24 HOURS.

TRAILER SPOTS HAVE EMERGED DIRECTLY BELOW THE LEADER OF REGION 059
WITH A MODERATE MAGNETIC GRADIENT EXISTING. REGIONS 061/062
SHARE A COMMON PLAGE BUT ARE TOO CLOSE TO THE LIMB FOR ANALYSIS.

IB. CLASS C EVENTS ARE EXPECTED FROM REGIONS 059 AND 061/062.
CLASS M EVENTS ARE POSSIBLE AND WILL DEPEND ON CONTINUED INCREASE
IN STRUCTURAL GROWTH/GRADIENTS IN REGIONS 059 AND 061/062.

II. MINOR GEOMAGNETIC STORM CONDITIONS CONTINUE. PIONEER 9 DATA
SUGGESTS THIS RECURRENT STORM CONDITION WILL CONTINUE, WITH
A GRADUAL ABATEMENT EXPECTED TOWARD THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 23-25 MAR

CLASS M 20/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 MAR 91

PREDICTED 23-25 MAR 92/95/96

90-DAY MEAN 22 MAR 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 MAR 42

ESTIMATED 22 MAR 31

PREDICTED 23-25 MAR 44/39/30

SOLTERWARN

SPAN

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