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

I. SUNSPOT DATA FROM CANARY IS. AT 24/0720Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

0082 N11W01 149 0270 E 12 45 DELTA

0083 S16W43 191 0020 B 01 02 BETA

0084 N10E01 147 0070 C 03 04 BETA

0085 S06E57 091 0150 C 04 08 DELTA

0086 S16W40 188 0010 B 04 04 BETA

0087 S01E68 080 0000 B XX 02 BETA

0088 S09E60 088 0010 B XX 04 BETA

MAGNETIC CLASSIFICATIONS INFERRED AT CANARY IS.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

082 1B 1922 1931 2010 M-3

082 0B 1414 1416 XXXX M-1

III. AREAS OF SPECIAL INTEREST-

REGIONS 082 AND 085 STILL SHOW DELTA CONFIGURATION. OLD REGION
067 IS DUE TO RETURN AT NE12 ON 25 APRIL.

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HFUS 1 BOU 250610

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 115A

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

IA. SOLAR ACTIVITY CONTINUES MODERATE WITH FOUR SUBFLARES SINCE
25/0000Z REPORTED IN 082 (N11W13). A ONE-NORMAL AT 25/0429Z WAS
ACCOMPANIED BY RADIO OUTPUT REACHING 74 FLUX UNITS ABOVE BACKGROUND
AT 2700 MHZ. 082 AND 084 (N10W12) SHOW WHITE-LIGHT GROWTH IN THE
TRAILER PORTIONS, WITH LITTLE NET CHANGE IN COMPLEXITY. 083 HAS
SHOWN SLIGHT DECAY. 085 (S06E45) HAS DEVELOPED ARCH FILAMENTS JUST
AHEAD OF THE LARGE SPOT.

IB. CLASS M FLARE ACTIVITY IS EXPECTED TO CONTINUE. OLD 067 IS DUE
TO RETURN WITHIN THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED AND SIMILAR
CONDITIONS ARE EXPECTED DURING THE NEXT 24-36 HOURS. HOWEVER, DEKA-
METRIC RADIO BURSTS ASSOCIATED WITH REGION 082 SUGGEST INCREASED
GEOMAGNETIC ACTIVITY DURING THE LATTER HALF OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 25-27 APRIL

CLASS M 60/60/55

CLASS X 05/05/05

PROTON 02/03/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 APRIL 109

PREDICTED 25-27 APRIL 112/114/116

90-DAY MEAN 24 APRIL 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 APRIL 26

ESTIMATED 24 APRIL 12

PREDICTED 25-27 APRIL 10/18/20

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HFUS 1 BOU 251300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 115B

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

IA. SOLAR ACTIVITY REMAINS AT A MODERATE LEVEL, WITH REGION 082
(N11W16) RESPONSIBLE FOR THE MAJORITY OF IT. ONE X-RAY CLASS
M-2, OPTICAL CLASS ONE-NORMAL AT 25/0429Z, AND 8 SUBFLARES HAVE
BEEN REPORTED FROM THIS REGION SINCE 25/0000Z. THE DELTA
CONFIGURATION STILL REMAINS IN 082. TWO SUBFLARES WERE OBSERVED
IN REGION 087 (S01E53), AND ONE SUBFLARE WAS REPORTED IN REGION
085 (S06E42). A DELTA CONFIGURATION ALSO EXISTS IN THE LATTER
REGION. ALL OTHER REGIONS HAVE BEEN QUIET.

IB. DUE TO THE COMPLEXITY OF REGIONS 082 AND 085, ENERGETIC EVENTS
ARE STILL POSSIBLE. SOME LIMB ACTIVITY IS ALSO POSSIBLE, WITH OLD
REGION 067 DUE TO RETURN TODAY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED, AND IS EXPECTED TO
BECOME ACTIVE DURING THE LATTER PART OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 25-27 APRIL

CLASS M 60/60/55

CLASS X 05/05/02

PROTON PW02/03/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED W24 APRIL 109

PREDICTED 25-27 APRIL 112/114/116

90 DAY MEAN W24 APRIL 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 APRIL 26

ESTIMATED 24 APRIL 13

PREDICTED 25-27 APRIL 10/18/20

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HFUS BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 115

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

IA. SOLAR ACTIVITY REMAINS MODERATE. A CLASS 1N/M1 EVENT AT
25/0420Z IN REGION 082 (N11W22) HAS BEEN THE LARGEST EVENT DURING
THE PAST 24 HOURS. NUMEROUS CLASS C FLARES HAVE OCCURRED IN
REGION 082. BOTH REGIONS 082 AND 085 (S06E36) ARE CLASSED MAG-
NETICALLY AS GAMMA WITH POSSIBLE DELTA CONFIGURATION. BOTH
REGIONS CONTINUE THEIR EVOLUTION OF RESTRUCTURING.

IB. ONE TO TWO LOW LEVEL CLASS M EVENTS PER DAY ARE EXPECTED FROM
REGIONS 082 AND 085 THROUGH THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. IT IS EXPECTED
TO REMAIN UNSETTLED 26 APRIL WITH MAGSTORM CONDITIONS EXISTING
27-28 APRIL. THE APPROACHING SECTOR IS EXPECTED TO BE REINFORCED
BY BEHIND THE WEST LIMB ACTIVITY OF OLD REGION 064 AND THE DEKA-
METRIC TYPE II AND IV EVENTS OF THE PAST 72 HOURS.

III. EVENT PROBABILITIES 26 APR - 28 APR.

CLASS M 60/60/60

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 25 APR 111

PREDICTED 26 APR - 28 APR 112/114/114

90-DAY MEAN 25 APR 101

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 24 APR 13

ESTIMATED 25 APR 11

PREDICTED 26 APR - 28 APR 12/30/35

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

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