

KBOU

HOUS 2 BOU 240200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
240200 APRIL 1973

I. SUNSPOT DATA FROM CANARY IS. AT 23/0900Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

0082 N12E11 149 0280 D 09 30 BETA-GAMMA-DELTA

0083 S16W30 190 0060 D 06 09 BETA

0084 N11E13 147 0070 H 02 03 ALPHA

0085 S04E70 090 0240 D 02 06 BETA-GAMMA-DELTA

0086 S16W22 182 0030 C 02 05 -----

MAGNETIC DATA FROM MT. WILSON.

MT. WILSON ANALYZED REGIONS 083 AND 086 AS A SINGLE BI-POLAR
REGION. MT. WILSON REPORTS THREE GROUPS NEAR THE SOUTHEAST LIMB.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

085 IN 23/2253Z 2300Z 2320Z

23/0523Z 0524Z 0541Z S

NO OPTICAL FLARE OBSERVED WITH LAST ENTRY.

III. AREAS OF SPECIAL INTEREST-

REGIONS 082 AND 085 FOR POSSIBLE ACTIVITY DUE TO MAGNETIC
COMPLEXITY OF THE REGIONS.

SOLTERWARN

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HFUS 1 BOU 240601

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 114A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 24 APRIL 1973

IA. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL. ALL REGIONS APPEAR STABLE.

IB. NO CHANGE.

II. THE GEOMAGNETIC DISTURBANCE IS DECLINING GRADUALLY.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

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HFUS 1 BOU 241300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 114B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 24 APRIL 1973

IA. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL WITH ONLY SEVEN
SUBFLARES OBSERVED IN THE PAST 24 HOURS. REGIONS 082 (N11W02)
AND 084 (N09W02) APPEAR INACTIVE EXCEPT FOR AN ADF. REGION 083
(S15W39) IS THE MOST ACTIVE REGION ON THE DISK, BUT IS CONSIDERED
TO BE DECLINING. AN EARLIER DECISION TO DIVIDE REGION 083 INTO
TWO REGIONS, 083 AND 086, HAS BEEN REVERSED. REGION 085 (S04E54)
IS QUIET. A NEW SPOT HAS BEEN OBSERVED NORTH OF THE WESTERN MOST
SPOT IN REGION 082.

IB. REGION 082 IS LIKELY TO PRODUCE SUBFLARES AND SMALL M-CLASS
EVENTS ARE POSSIBLE. MT WILSON INDICATES THAT NEW ACTIVITY IS
FORTHCOMING OVER THE S.E. LIMB.

II. THE GEOMAGNETIC FIELD HAS BEEN FLUCTUATING BETWEEN ACTIVE AND
UNSETTLED, WITH A GENERAL TREND TOWARD THE LATTER. THE ACTIVITY
IS EXPECTED TO DECLINE.

III. EVENT PROBABILITIES 24-27 APR

CLASS M 55/60/60

CLASS X 05/05/05

PROTON 02/03/03

PCAF GREEN

IV. OTTAWA 10.7CM FLUX

OBSERVED 23 APR 108

PREDICTED 24-27 APR 112/116/119

90-DAY MEAN 23 APR 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 22 APR 36

ESTIMATED 23 APR 26

PREDICTED 24-27 APR 18/12/12

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KBOU

HFUS BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 114

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 24 APRIL 1973

IA. CLASS M SUBFLARES IN REGION 082 (N11W06) PRODUCED SHORTWAVE
FADES AT 1414 AND 1922Z TODAY. THIS REGION REMAINS MAGNETICALLY
COMPLEX WITH A DELTA CONFIGURATION LOCATED IN THE NORTHEAST PART OF
ITS "E" TYPE SPOT GROUP. THE 085/087/088 PLAGE COMPLEX (NEAR
S06E54) HAS BEEN RELATIVELY STABLE. A DELTA CONFIGURATION IS STILL
VISIBLE IN THE MAIN SPOT OF REGION 085.

IB. CLASS M FLARE ACTIVITY IS EXPECTED TO CONTINUE. OLD REGION
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,
DEKAMETRIC 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

SOLTERWARN

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