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KBOU

HOUS 2 BOU 200200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
20/0200Z APRIL 1973.

I. SUNSPOT DATA FROM PALEHUA, HAWAII AT 19/1815Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

0082 N10E60 148 0280 D 09 10 BETA

0083 S16E25 183 0100 D 07 15 BETA

NOTE: MAGNETIC CALSSIFICATIONS FROM MT. WILSON

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS:

NONE

III. AREAS OF SPECIAL INTEREST:

WATCH FOR RETURN OF OLD REGION 064 AT S05 ON APRIL 21

AROUND 1500Z.

SOLTERWARN

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HFUS 1 BOU 200600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 110A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 20 APRIL 1973

IA. NO CHANGE

IB. NO CHANGE

II. THE MINOR STORM STILL EXISTS, WITH ACTIVITY AT A RELATIVELY CONSTANT LEVEL. THIS LEVEL OF ACTIVITY IS EXPECTED TO CONTINUE THROUGHOUT THE FORECAST PERIOD.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

BT

HFUS 1 BOU 201300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 110B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 20 APRIL 1973

IA. SOLAR ACTIVITY REMAINS LOW. SLIGHT GROWTH HAS CONTINUED IN REGION 082 (N12E50) BUT 083 (S13E10) APPEARS TO HAVE STABILIZED. BOTH REGIONS ARE SIMPLE MAGNETICALLY.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. THE MINOR MAGSTORM LEVEL HAS CONTINUED. THE FIELD IS EXPECTED TO REMAIN ACTIVE BUT DECREASE IN INTENSITY OVER THE FORECAST PERIOD.

III. EVENT PROBABILITIES 20 APR - 22 APR

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 APR 82

PREDICTED 20 - 22 APR 84/86/89

90-DAY MEAN 19 APR 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 APR 35

ESTIMATED 19 APR 32

PREDICTED 20 - 22 APR 27/23/20

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HFUS BOU 202200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 110
JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 20 APRIL 1973

IA. SOLAR ACTIVITY CONTINUES LOW, AND NO SIGNIFICANT CHANGES HAVE OCCURED IN THE PAST 24 HOURS. REGION 082 (N13E42) HAS GROWN IN WHITE LIGHT AND MAGNETIC COMPLEXITY, BUT IS STILL RELATIVELY UNIMPRESSIVE IN H-ALPHA. NOTE THAT THE LARGE FOLLOWER SPOTS IN THE SOUTHERN PORTION OF THE REGION ARE NOW DESIGNATED SEPARATE REGION 084 (N11E44). REGION 083 (S14E10) HAS STABILIZED, AND MAGNETIC GRADIENTS ARE WEAKER. THE LIMBS HAVE BEEN QUIET.

IB. NO SIGNIFICANT SOLAR ACTIVITY IS EXPECTED. MEDIUM CLASS M FLARES ARE POSSIBLE BUT NOT PROBABLE FROM REGION 082.

II. MINOR STORM ACTIVITY CONTINUES IN THE GEOMAGNETIC FIELD, WITH ONLY SLIGHT MODERATION. ACTIVITY SHOULD DECREASE GRADUALLY THROUGH THE FORECAST PERIOD, WITH ISOLATED PERIODS OF HIGH ACTIVITY DURING LOCAL NIGHTTIME HOURS.

III. EVENT PROBABILITIES 21-23 APRIL

CLASS M 20/20/20
CLASS X 01/01/01
PROTON /01/01/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 APRIL 85
PREDICTED 21-23 APRIL 88/90/94
90-DAY MEAN 20 APRIL 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 19 APRIL 32
ESTIMATED 20 APRIL 32
PREDICTED 21-23 APRIL 29/26/20
SOLTERWARN