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HHVJJ

KBOU

HOUS 2 BOU 200200

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

I. SUNSPOT DATA FROM BOULDER AT 19/2105Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

034 S17W40 307 0220 D 08 09 BETA

041 S15E04 263 0000 A 02 04 ALPHA

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

037 1B 19/0609 0625Z 0739Z

III. AREAS OF SPECIAL INTEREST-

NONE.

SOLTERWARN

SPAN

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KBOU
HOUS 1 BOU 200600
FROM SPACE ENVIRONMENT SERVECES CENTER BOULDER COLO
SDF NUMBER 0510
JOINT AESU/SESO PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 20 FEBRUARY 1973
IA. NO CHANGE
IB. NO CHANGE
II. NO CHANGE
III. NO CHANGE
IV. NO CHANGE
V. NO CHANGE
SOLTERWARN
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HFUS 1 BOU 201300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 051B

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

IA. SOLAR ACTIVITY HAS BEEN LOW. THE EXISTING DISK REGIONS APPEAR
STABLE WITH THE EXCEPTION OF A SMALL ARCH FILAMENT SYSTEM IN 041
(S15W10). A SMALL NEW REGION IS EMERGING AT N10W71. NEITHER OF
THESE REGIONS IS FAVORABLY SITUATED FOR DEVELOPMENT INTO MAJOR
ACTIVE CENTERS.

IB. A CONTINUED LOW ACTIVITY LEVEL IS EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. SUBSTORM ACTIVITY THE PAST
13 HOURS HAS BEEN WEAK OR NONEXISTENT. THE VERY QUIET NATURE OF THE
GEOMAGNETIC FIELD IS ONE STATISTICALLY ASSOCIATED WITH A DEPRESSION
OF ACTIVITY JUST PRIOR TO PASSAGE OF A SECTOR BOUNDARY. HELIOCENTRIC
SATELLITE DATA CONFIRMS THE EXSISTENCE OF AN ENHANCED SOLAR WIND STREAM
DUE TO PASS THE EARTH LATER TODAY OR TOMORROW. HENCE AN UNSETTLED-TO-
ACTIVE PERIOD IS EXPECTED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 20 FEB - 22 FEB

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 FEB 091

PREDICTED 20-22 FEB 090/089/089

90-DAY MEAN 19 FEB 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 FEB 07

ESTIMATED 19 FEB 08

PREDICTED 20-22 FEB 05/12/10

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KBOU

HFUS BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 051

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 20 FEBRUARY 1973.

IA. SOLAR ACTIVITY CONTINUES VERY LOW WITH SEVEN SMALL, NON-ENERGETIC SUBFLARES REPORTED FROM SEVERAL SMALL REGIONS. REGION 041 (S18W11) HAS SHOWN CONSIDERABLE SPOT GROWTH DURING THE LAST 24 HOURS AND PRODUCED TWO SUBFLARES. A STRONG ARCH FILAMENT SYSTEM IS EMBEDDED IN THIS REGION. HOWEVER, THE REGION REMAINS MAGNETICALLY SIMPLE WITH A BETA CLASSIFICATION. REGION 042 (N08W81) DEVELOPED OVERNIGHT AND PRODUCED 2 SUBFLARES DURING THE LAST 12 HOURS, BUT ITS PROXIMITY TO THE LIMB PREVENTS DETAILED ANALYSIS.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW DURING THE FORECAST PERIOD, ALTHOUGH SOME SUBFLARE ACTIVITY IS LIKELY FROM REGION 041.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE LAST 24 HOURS. AN EXPECTED SECTOR BOUNDARY PASSAGE EARLY IN THE FORECAST PERIOD SHOULD PRODUCE UNSETTLED CONDITIONS.

III. EVENT PROBABILITIES 21 FEB - 23 FEB.

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 20 FEB 091

PREDICTED 21 FEB - 23 FEB 091/091/091

90-DAY MEAN 20 FEB 103

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 19 FEB 08

ESTIMATED 20 FEB 05

PREDICTED 21 FEB - 23 FEB 12/10/10

SOLTERWARN

SPAN

BT

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