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HOUS 2 BOU 270200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
27/0200Z FEB 1973

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

044 N07E34 141 0400 E 13 21 BETA-GAMMA

048 N07W17 192 0040 B 04 05 BETA

MAG CLASSES INFERRED AT BOULDER.

II. NONE

III. AREAS OF SPECIAL INTEREST-

REGION 044 (N07E34)

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HFUS 1 BOU 270601

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 058A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 27 FEBRUARY 1973

IA. NO CHANGE

IB. NO CHANGE

II. THE MINOR GEOMAGNETIC DISTURBANCE CONTINUES.

III. NO CHANGE

IV. NO CHANGE

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 FEBRUARY 20

ESTIMATED 26 FEBRUARY 28

PREDICTED 27 FEBRUARY-01 MARCH 25/18/10

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HFUS 1 BOU 271300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 058B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 27 FEBRUARY 1973

IA. SOLAR ACTIVITY REMAINS VERY LOW WITH ONLY 4 SUBFLARES REPORTED DURING THE LAST 24 HOURS, ALL FROM REGION 044 (N07E23). INTERMEDIATE SPOTS IN THIS REGION HAVE SHOWN SOME DECLINE WITH A POSSIBLE DECREASE IN MAGNETIC COMPLEXITY. HOWEVER, THIS REMAINS A LARGE REGION WITH A BETA-GAMMA MAGNETIC CLASSIFICATION AND SHOULD BE REGARDED AS A LIKELY SOURCE OF ENERGETIC EVENTS.

IB. THE PROBABILITY OF ENERGETIC EVENTS FROM REGION 044 REMAINS HIGH DESPITE RECENT INACTIVITY. AS THE REGION APPROACHES CENTRAL MERIDIAN, THERE IS A SMALL BUT INCREASING CHANCE OF A PROTON EVENT. OLD REGIONS 031 (N13) AND 039 (N16) ARE DUE TO RETURN 01 MARCH. REGION 039 APPEARED TO BE GROWING RAPIDLY AND PRODUCED SEVERAL SUBFLARES JUST PRIOR TO ITS LAST PASSAGE OVER THE EAST LIMB. *FCST'S ERROR NOT TYPIST*

II. THE GEOMAGNETIC FIELD CONTINUES DISTURBED WITH ACTIVE DAYTIME CONDITIONS AND MINOR GEOMAGNETIC STORM CONDITIONS DURING LOCAL NIGHT HOURS. THIS ACTIVITY IS EXPECTED TO GRADUALLY SUBSIDE THROUGH THE FORECAST PERIOD WITH ONLY UNSETTLED CONDITIONS FORECAST BY 01 MARCH.

III. EVENT PROBABILITIES 27 FEB - 01 MARCH

CLASS M 80/80/80

CLASS X 10/10/10

PROTON 01/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 FEB 098

PREDICTED 27 FEB - 01 MAR 102/105/108

90-DAY MEAN 26 FEB 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 FEB 20

ESTIMATED 26 FEB 28

PREDICTED 27 FEB - 01 MAR 25/18/10

SOLTERWARN

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Check orig.  
FCST!

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KBOU

HFUS BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 058

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 27 FEB 1973

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW. REGION 044 /N07E16/ HAS  
PRODUCED ESSENTIALLY ALL THE SUBFLARE ACTIVITY, AND THE LARGEST OF  
THESE ONLY REACHED X-RAY CLASS C-3. REGION 044 IS LITTLE CHANGED  
SINCE YESTERDAY, AND IS STILL THE ONLY SIGNIFICANT REGION ON THE DISK.  
REGION 048 /N07W36/ IS LITTLE CHANGED. A FEW SMALL SPOTS HAVE  
RE-EMERGED IN 043 /S18W21/ AND 045 /S15W14/.

IB. REGION 044 REMAINS CAPABLE OF ENERGETIC ACTIVITY, HOWEVER  
ITS HISTORY SINCE LIMB PASSAGE SUGGESTS THIS ACTIVITY WILL OCCUR  
ONLY WHEN AND IF RAPID BREAKUP OCCURS.

X-CLASS AND PROTON EVENTS REMAIN POSSIBLE.

II. THE MINOR MAGSTORM HAS CONTINUED. UNLESS ACTIVITY TAPERS OFF  
RAPIDLY, THE PRESENT DISTURBANCE WILL MERGE WITH AN EXPECTED  
RECURRING ACTIVE PERIOD DURING THE SECOND HALF OF THE THREE-DAY FORECAST  
PERIOD.

III. EVENT PROBABILITIES 28 FEB -02 MAR

CLASS M 70/70/70

CLASS X 10/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 FEB 100

PREDICTED 28 FEB - 02 MAR 103/107/112

90-DAY MEAN 27 FEB 101.8

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 26 FEB 28

ESTIMATED 27 FEB 28

PREDICTED 28 FEB - 02 MAR 23/20/20

SOLTERWARN

SPAN

BT

102