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KBOU

HOUS 2 BOU 120200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
120200Z APR 1973

I. SUNSPOT DATA FROM BOULDER AT 111445Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

0071 S13W35 351 0010 B 00 04 ALPHA

0074 S09W43 359 0030 D 07 14 BETA

0077 S08W07 323 0160 D 10 60 BETA-GAMMA-DELTA

0078 S15W23 339 0010 B 01 03 ALPHA

NOTE: MAGNETIC CLASSIFICATION FROM MT. WILSON

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS:

RGN IMP BEGIN MAX END CLASS

077 0B 1404Z 1408Z ---- M3S

077 1B 1839Z 1844Z 1950Z X1S

077 2B 2017Z 2026Z ---- M4S

2B 2ND MAX 2036Z 2050Z

III. AREAS OF SPECIAL INTEREST:

REGION 077 DUE TO ACTIVITY AND MAGNETIC CONFIGURATION.

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HFUS 1 BOU 120600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 102A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 12 APRIL 1973.

IA. SOLAR ACTIVITY REMAINS HIGH. REGION 077(S08W16) CONTINUES TO  
SUBFLARE, WITH THE OUTSTANDING RECENT ACTIVITY BEING AN OPTICAL  
CLASS 2B FLARE (X-RAY CLASS M4 FROM VELA) WITH DOUBLE MAXIMUM  
2026Z/2036Z ON 11 APRIL.

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 121300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 102B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 12 APRIL 1973

IA. SOLAR ACTIVITY HAS BEEN MODERATE THUS FAR TODAY. REGION 077  
(S08W19) CONTINUES TO DOMINATE ACTIVITY. WEATHER HAS HAMPERED ALL  
OBSERVATORIES SINCE ABOUT 0400Z.

IB. ACTIVITY IS EXPECTED TO REMAIN MODERATE TO HIGH AS REGION 077  
RETAINS A DELTA CONFIGURATION AND STILL HAS POTENTIAL FOR ENERGETIC  
ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS.  
CONDITIONS ARE EXPECTED TO BECOME UNSETTLED TO ACTIVE TOWARD THE  
END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 12 APR - 14 APR

CLASS M 80/80/70

CLASS X 30/25/25

PROTON 15/15/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 APR 111

PREDICTED 12 APR - 14 APR 109/107/102

90-DAY MEAN 11 APR 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 APR 03

ESTIMATED 11 APR 17

PREDICTED 12 APR - 14 APR 10/12/18

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HFUS 1 BOU 121300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 102B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
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OBSERVED FREDERICKSBURG 10 APR 03

ESTIMATED 11 APR 17

PREDICTED 12 APR - 14 APR 10/12/18

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# Particle events— part II

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HFUS BOU 122215

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 102

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 12 APRIL 1973

IA. SOLAR ACTIVITY HAS BEEN LOW. THE DELTA CONFIGURATION IN  
REGION 077 HAS DISAPPEARED, AND WHILE THERE ARE STILL INDICATIONS  
OF MAGNETIC COMPLEXITY IN THE LEADING AND CENTRAL PORTION OF THE  
GROUP, SIGNS OF DECAY ARE EVIDENT. A SMALL ENHANCEMENT OF PROTON  
FLUXES AT SATELLITE HEIGHT BEGAN AT APPROXIMATELY 12Z TODAY.

ATS-1 REPORTED FLUXES IN BOTH 5-21 MEV AND 21-70 MEV ENERGY  
RANGES WHICH PEAKED AT ABOUT TEN TIMES BACKGROUND AT ABOUT 20Z  
TODAY.

IB. FURTHER CLASS M ACTIVITY IS EXPECTED FROM REGION 077,  
ALTHOUGH THE RATE OF OCCURRENCE WILL BE SLOWER THAN YESTERDAY.  
MAJOR ACTIVITY IS NOT EXPECTED UNLESS SIGNIFICANT REGENERATION OF  
THE REGION (IN WHITE LIGHT) OCCURS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET, BUT IS EXPECTED TO  
BECOME ACTIVE TOMORROW.

III. EVENT PROBABILITIES 13 APR - 15 APR.

CLASS M 70/60/60

CLASS X 20/10/10

PROTON 10/05/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 12 APR 104

PREDICTED 13 APR - 15 APR 99/94/90

90-DAY MEAN 12 APR 102

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 11 APR 19

ESTIMATED 12 APR 05

PREDICTED 13 APR - 15 APR 18/15/13

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 102

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
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