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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	2 ND 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
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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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SDF NUMBER 102

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