



ORKUSTOFNUN

Vatnamælingar

**Vatnshæðarmælingar  
í Jökulsárlóni  
á Breiðamerkursandi  
1991 - 1998**

**Snorri Zóphóniasson  
Ragnhildur Freysteinsdóttir**

**1999**

**Unnið fyrir Vegagerðina  
OS-99048**





**ORKUSTOFNUN**  
Grensásvegi 9, 108 Reykjavík

Verknr. 7-514264

**Snorri Zóphóníasson**  
**Ragnildur Freysteinsdóttir**

## **Vatnshæðarmælingar í Jökulsárlóni á Breiðamerkursandi 1991 - 1998**

**Unnið fyrir Vegagerðina**

**OS-99048**

**Júní 1999**



<b>Skýrsla nr:</b> OS-99048	<b>Dags:</b> Júní 1999	<b>Dreifing:</b> <input checked="" type="checkbox"/> Opin <input type="checkbox"/> Lokuð til
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<b>Heiti skýrslu / Aðal- og undirtitill:</b> Vatnshæðarmælingar í Jökulsárlóni á Breiðamerkursandi 1991 - 1998	<b>Upplag:</b> 30
	<b>Fjöldi síðna:</b> (55)

<b>Höfundar:</b> Snorri Zóphóníasson Ragnhildur Freysteinsdóttir	<b>Verkefnisstjóri:</b> Snorri Zóphóníasson
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<b>Gerð skýrslu / Verkstig:</b> Vatnshæðarmælingar, samantekt	<b>Verknúmer:</b> 7-514264
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<b>Unnið fyrir:</b> Vegagerðina
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<b>Samvinnuaðilar:</b>
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<b>Útdráttur:</b> Í skýrslunni er samantekt gagna um vatnshæðarmælingar í Jökulsárlóni á Breiðamerkursandi á tímabilinu 1991-1998. Meginefnið er sett fram á myndformi, stöplarit og línurit, samtals 52 myndir. Verkið er unnið fyrir Vegagerðina. Vatnshæðarmælirinn í lóninu var fyrst settur í gang 15. maí 1991. Hann var upphaflega við suðurströnd lónsins nokkur hundruð metra vestan við Jökulsána, en í miklum vatnshæðarbreytingum og þykkum ís vorið 1995 eyðilagðist allt sem viðkom mælinum. Þá var valinn nýr staður til mælinga og rörabúnaðinum komið fyrir á annan hátt, eða svipað og á brunnsríta. Fór sítinn að rita þar þann 9. nóvember 1995 og gekk snurdulaust þar til hann skemmdist af völdum íss í mars 1998. Í framhaldi af því var settur niður nýr skynjari í sama rör á sama stað 24. júlí 1998. Tölurnar í fyrri skýrslum um vatnshæð í Jökulsárlóni eru miðaðar við hæðarkerfi OS. Þar munar 83,2 cm. Þær tölur þarf því að lækka um það sem því nemur til þess að vera sambærilegar við það sem birt er í þessari skýrslu.
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<b>Lykilorð:</b> Jökulsárlón á Breiðamerkursandi, vatnshæð, mælingar	<b>ISBN-númer:</b>
	<b>Undirskrift verkefnisstjóra:</b> <i>Snorri Zóphóníasson</i>
	<b>Yfirfarið af:</b> PI

## Vatnshæðarmælingar í Jökulsárlóni á Breiðamerkursandi 1991 - 1998

Vatnshæðarmælir nr. 264 í Jökulsárlóni var fyrst settur í gang 15. maí 1991. Hann var við suðurströnd lónsins nokkur hundruð metra vestan við Jökulsána. Vatnshæðin var numin með þrýstiskynjara sem komið hafði verið fyrir á botni lónsins. Gagnasöfnunartækið var í húsi rétt ofan við hámarksvatnshæð lónsins. Rafleiðslan til skynjarans var í járn Röri sem lá ofan á bakkanum og út í lónið. Lónið leggur á vetrum og fraus rörið fast í þykkum ís. Vorið 1995 urðu miklar vatnshæðarbreytingar í lóninu á meðan rörið var fast í ísnum. Eyðilagðist þá allt sem viðkom mælinum; rör, leiðslur og hús. Var þá orðið ljóst að koma yrði búnaðinum fyrir á annan hátt ef mælingar ættu að geta gengið snurðulaust framvegis. Með hjálp Fjölnis Torfasonar bónda á Hala í Suðursveit fannst staður þar sem vatnsbakkinn er brattur og stöðugur þannig að hægt var að grafa rörið niður og láta það koma út í vatnið neðan við neðri brún lagnaðaríss og neðan við djúprista ísjaka. Frágangurinn var svipaður og á rörum brunnsíríta. Skynjarinn var dreginn í rörið á þann hátt að fyrst var dregið rafmagnsrör utan um kapal hans og honum ýtt út í enda rörsins í vatninu þar sem hann fellur í milli þéttra O hringja. Að lokum var rörið fyllt frostlegi til þess að kapallinn skemmist ekki af ísmyndun. Síritinn fór að rita á nýja staðnum 9. nóvember 1995 og gekk snurðulaust þar til hann skemmdist af völdum íss í mars 1998. Í framhaldi af því var settur niður nýr skynjari í sama rör á sama stað 24. júlí 1998.

Vatnshæðarskynjarinn er í hæðinni - 0,811 m y.s. samkvæmt meðalsjó (Hæðarkerfi landshæðarnets). Kortahnit fastmerkis er A 637937.042, N397726.461 og hæðin 4,597 m y.s. Skynjarinn er 30 m vestur af því.

Tölurnar í fyrri skýrslum um vatnshæð í Jökulsárlóni eru miðaðar við hæðarkerfi OS. Þar munar 83,2 cm. Þær tölur þarf því að lækka um það sem því nemur til þess að vera sambærilegar við það sem birt er í þessari skýrslu.

Skynjarar hafa verið samkvæmt landshæðarneti sem hér segir:

m y.s.  
-0.465 1991.05.15. - 1994.07.05.  
0.209 1994.07.06. - 1995.01.10.  
-0.811 1995.11.10. - ?

**Mynd 1** sýnir stöplarit yfir mánaðarmeðaltöl vatnshæðar í lóninu og **mynd 2** sýnir stöplarit yfir ársmeðaltöl vatnshæðar, þar sem til eru heil ár.

**Myndir 3 - 5** sýna vatnshæðarlínurit fyrir árin 1996 til 1998 (allt árið) og **myndir 6 - 36** sýna það sama mánuð fyrir mánuð.

**Myndir 37 - 44** eru vatnshæðarskýrslur fyrir vhm 264 frá árunum 1991 til 1998 og vatnshæð miðuð við landshæðarnet.

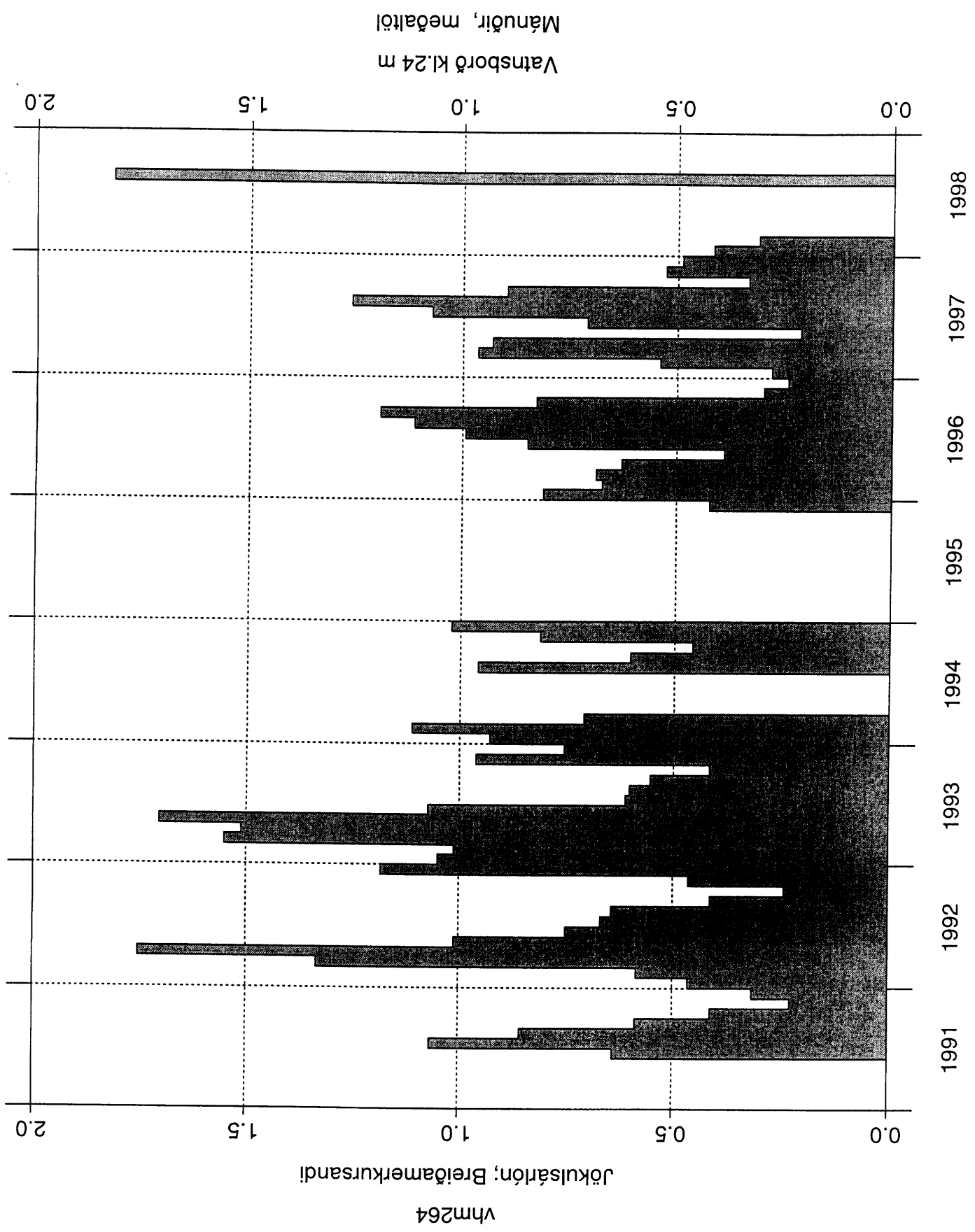
**Myndir 45 til 52** sýna veðurfar (úrkomu og hitastig) á Kirkjubæjarklaustri ásamt rennslislínuriti fyrir vhm 264 frá 1991 til 1998.

### **Fyrri skýrslur og greinargerðir:**

Vatnshæðarmælingar í Jökulsárlóni á Breiðamerkursandi 1991 og 1992.  
Orkustofnun, OS-93002/VOD-01B.

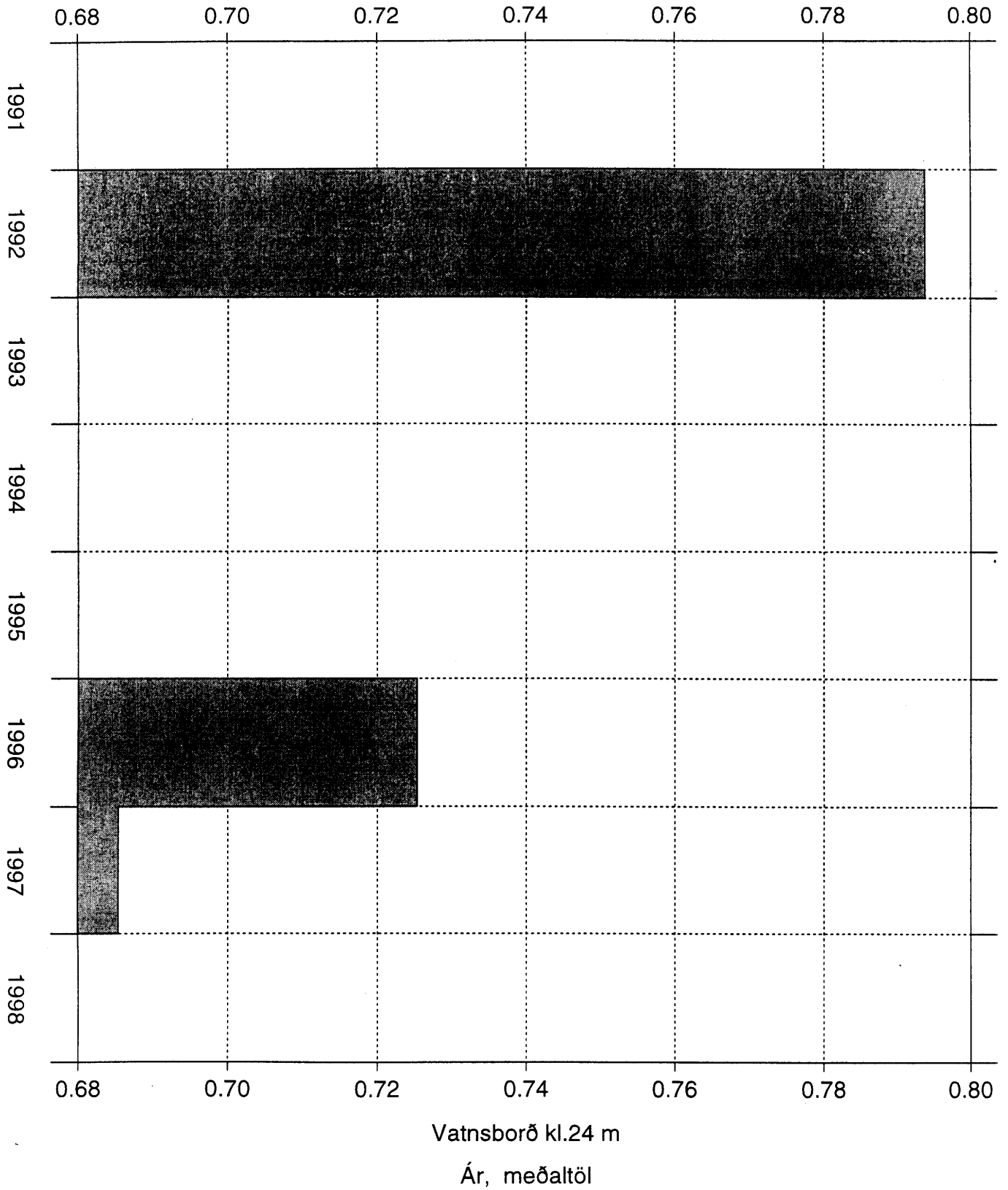
Vatnshæðarmælingar í Jökulsárlóni á Breiðamerkursandi 1993.  
Snorri Zóphóníasson - Orkustofnun, greinargerð SZ-94/02.

Vatnshæðarmælingar í Jökulsárlóni á Breiðamerkursandi 1994.  
Snorri Zóphóníasson - Orkustofnun, greinargerð SZ-95/02.



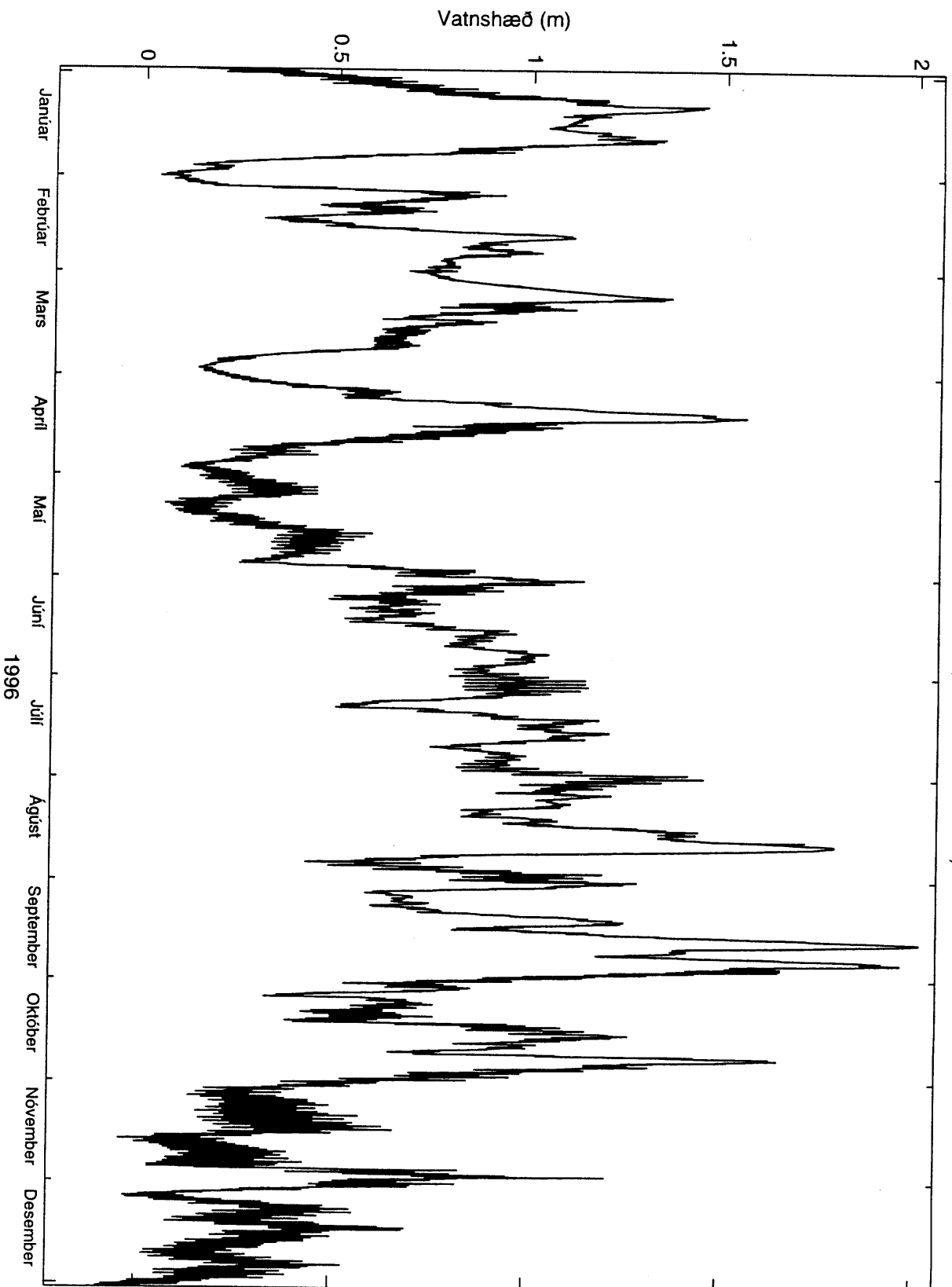
vhm264

Jökulsárlón; Breiðamerkursandi

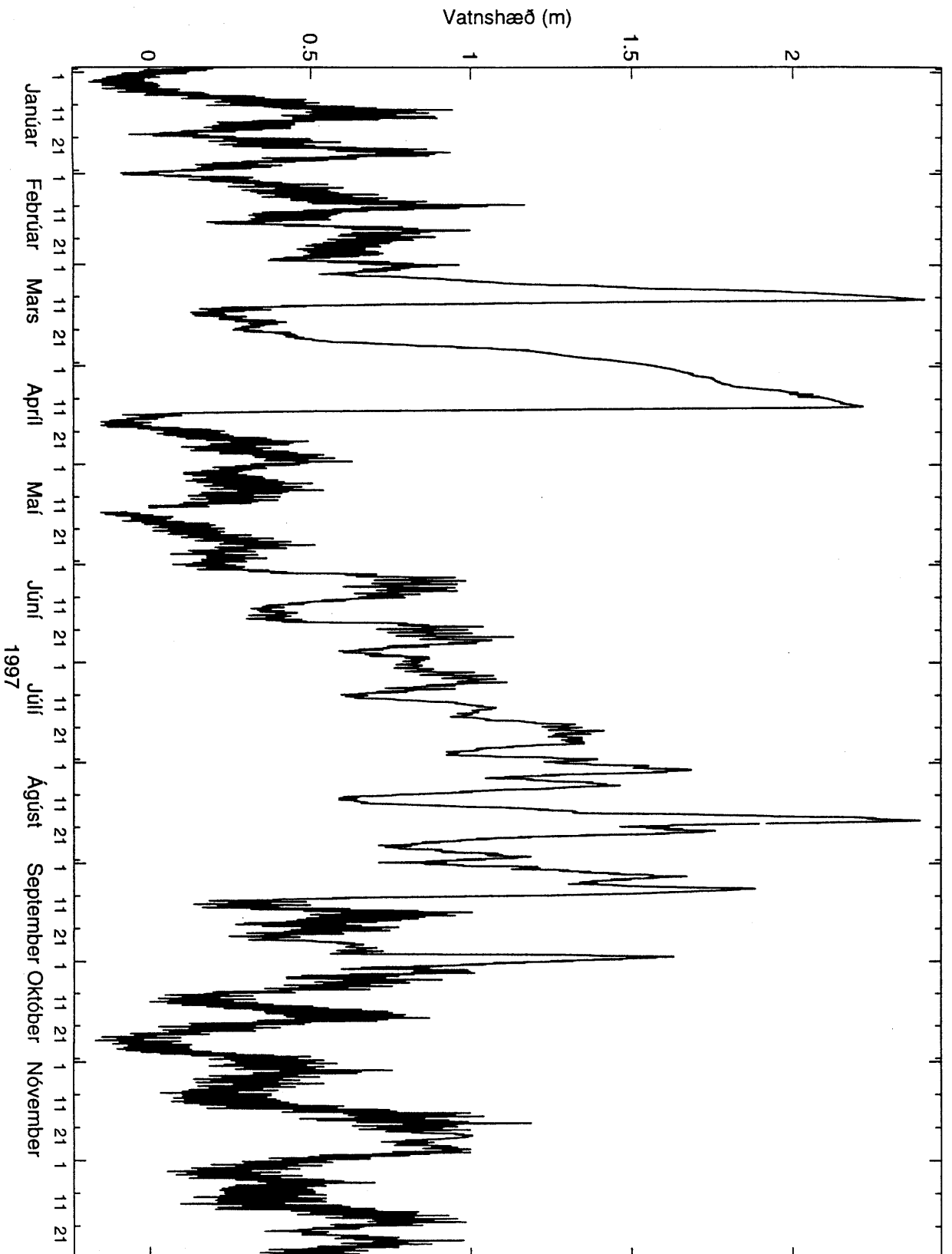




V264, Jökulsátlón, Breiðamerkursandi:

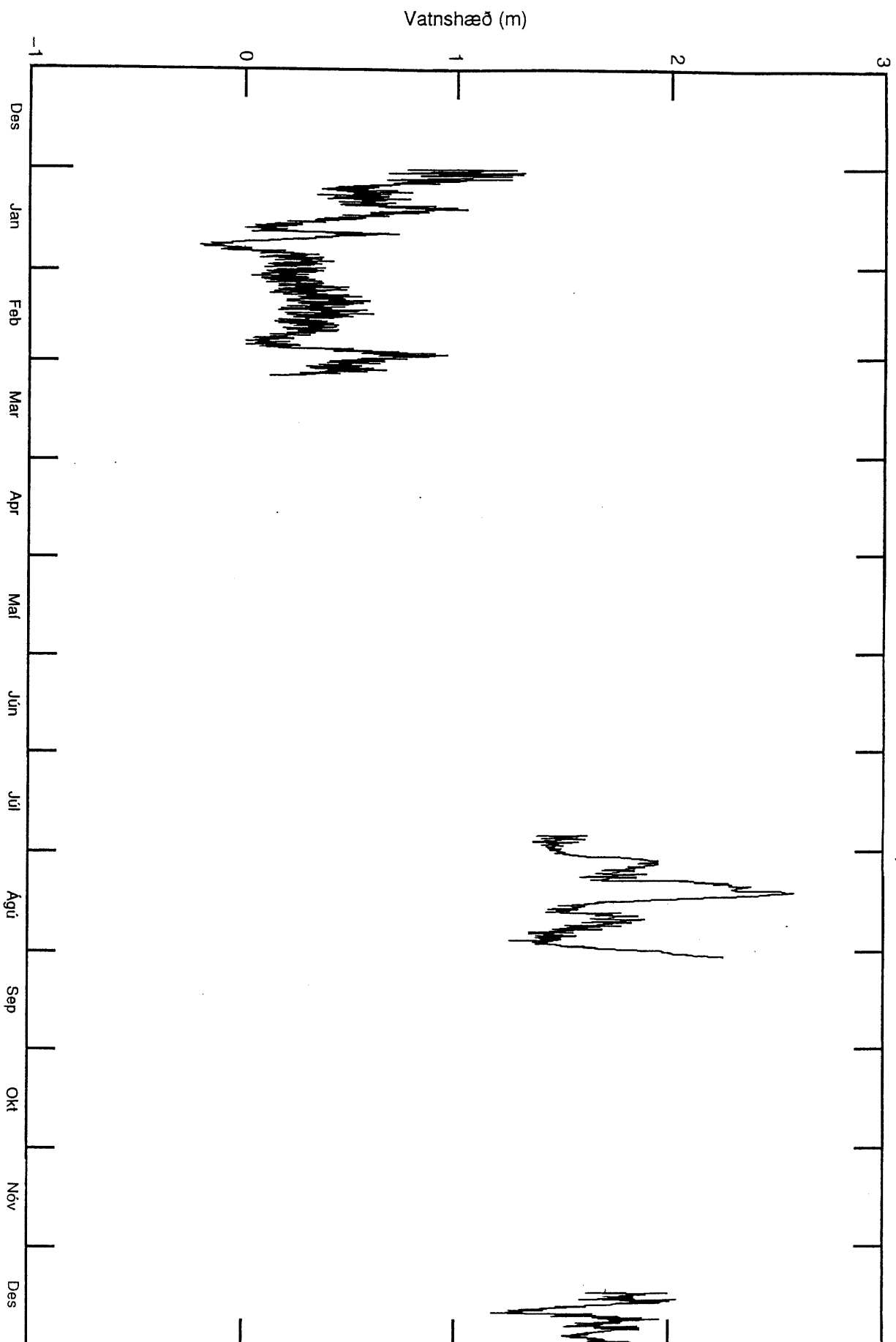


V264, Jökulsárlón, Breiðamerkursandi:



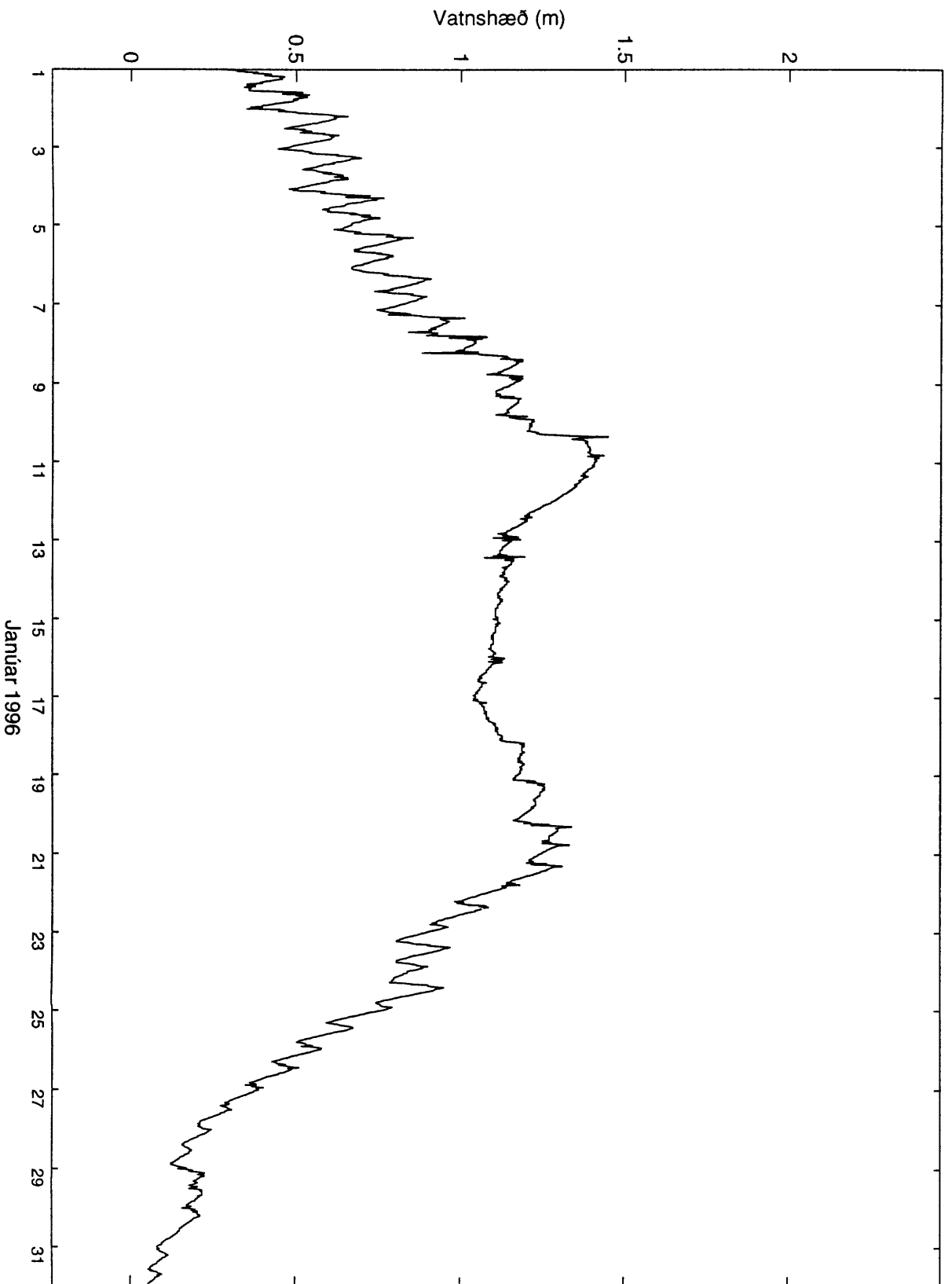
Mynd 4

V264, Jökulsárlón, Breiðamerkursandi;

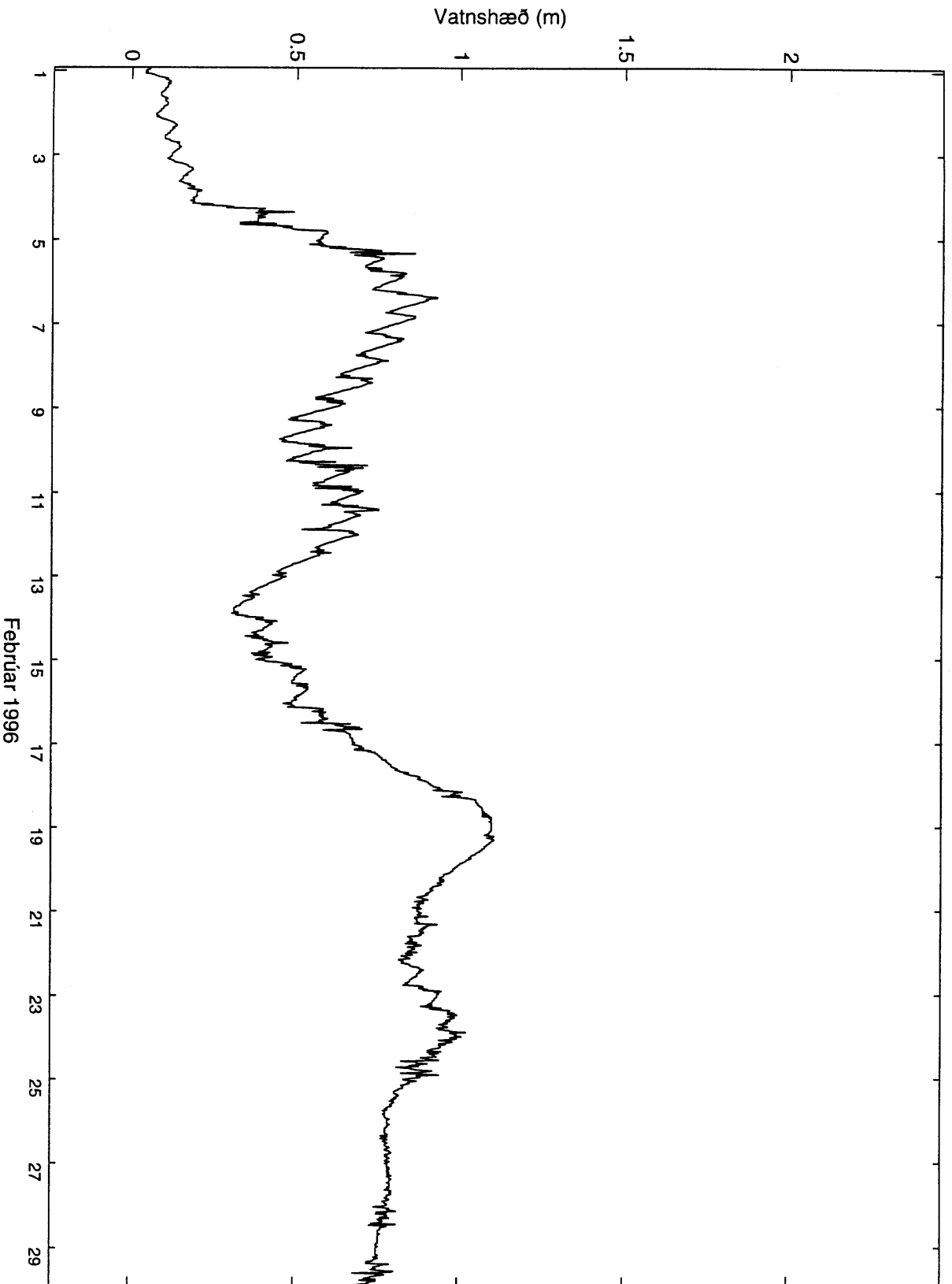


1998

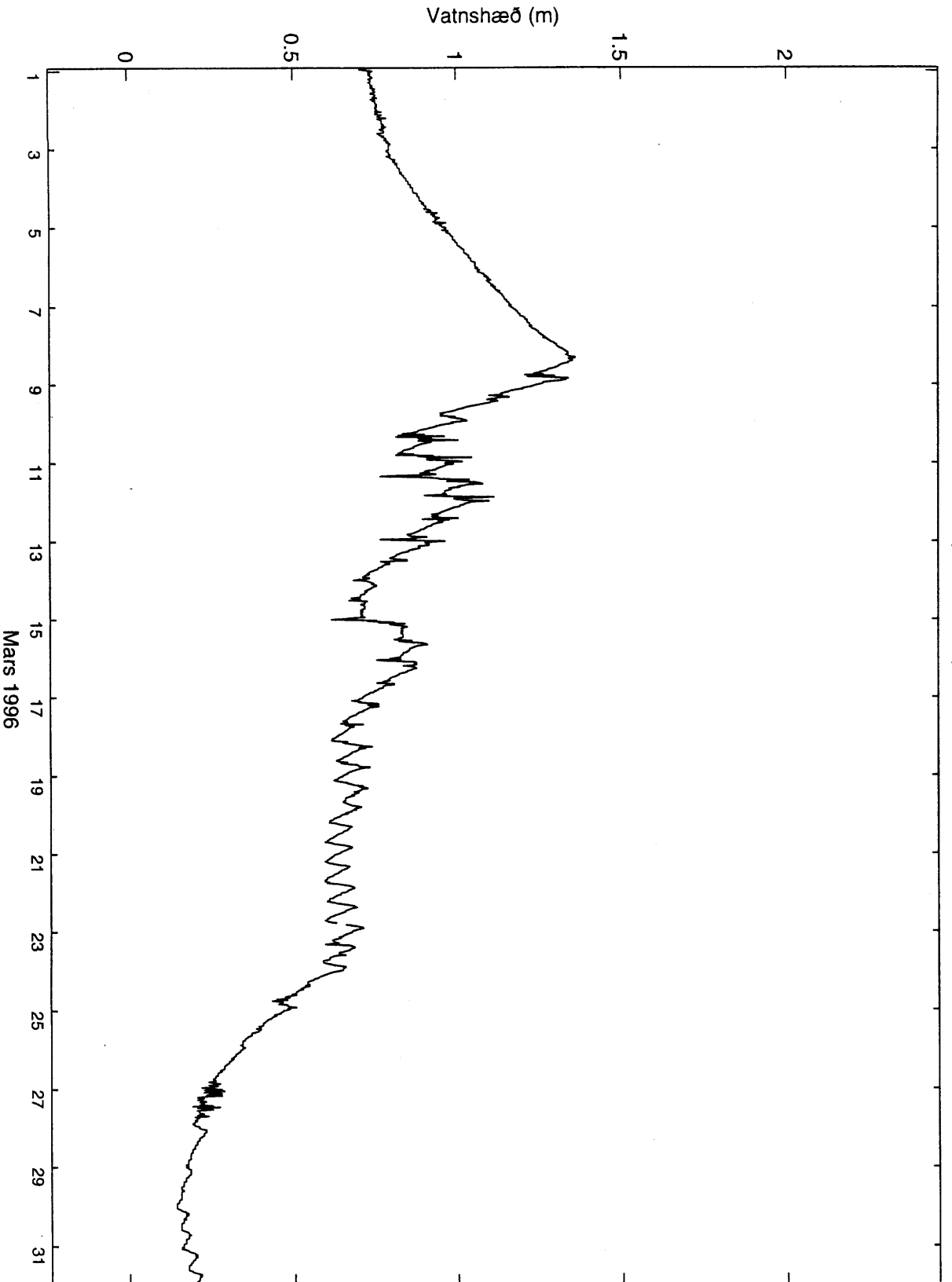
V264, Jökulsárlón, Breiðamerkursandi;



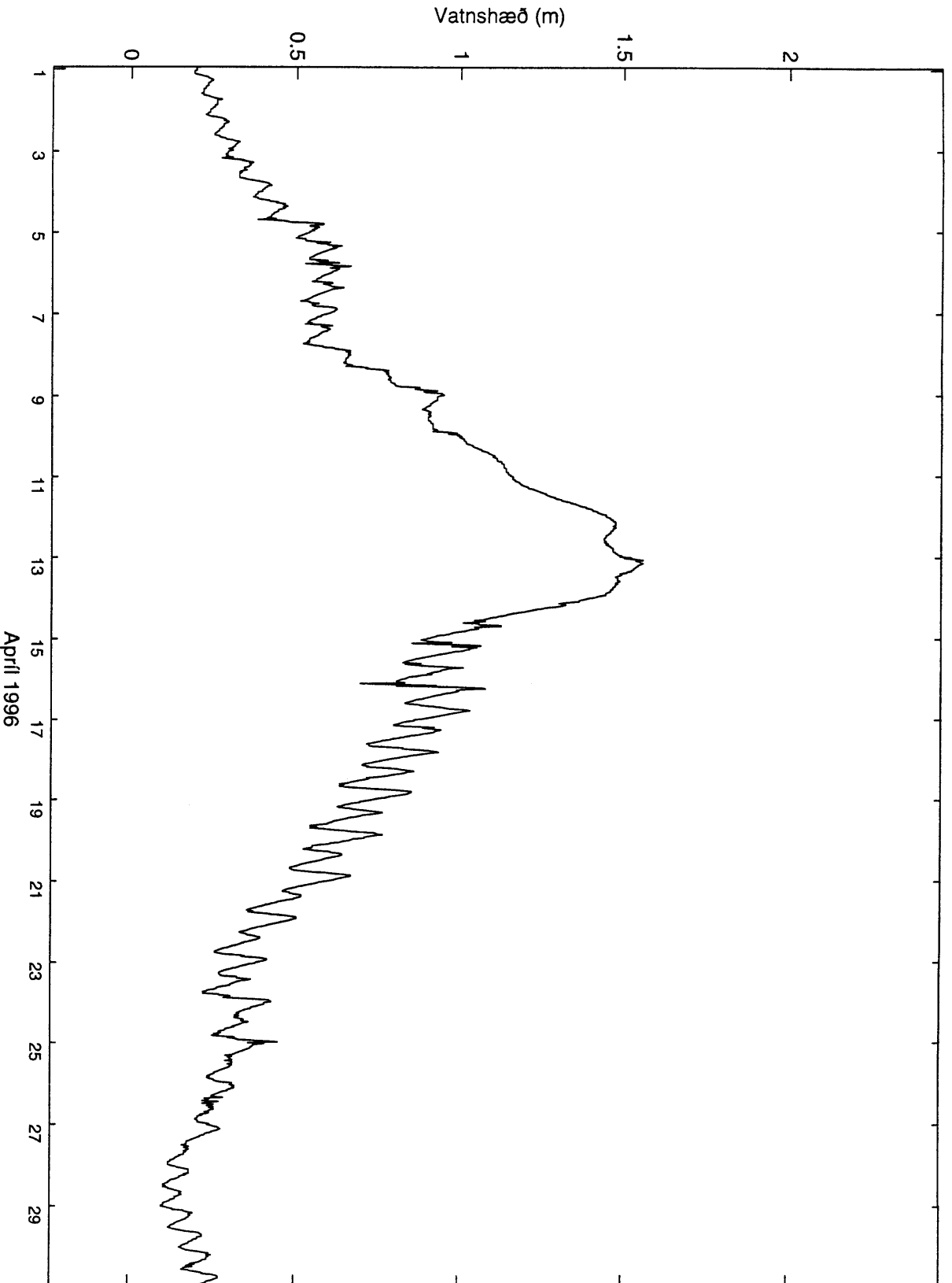
V264, Jökulsárlón, Breiðamerkursandi;



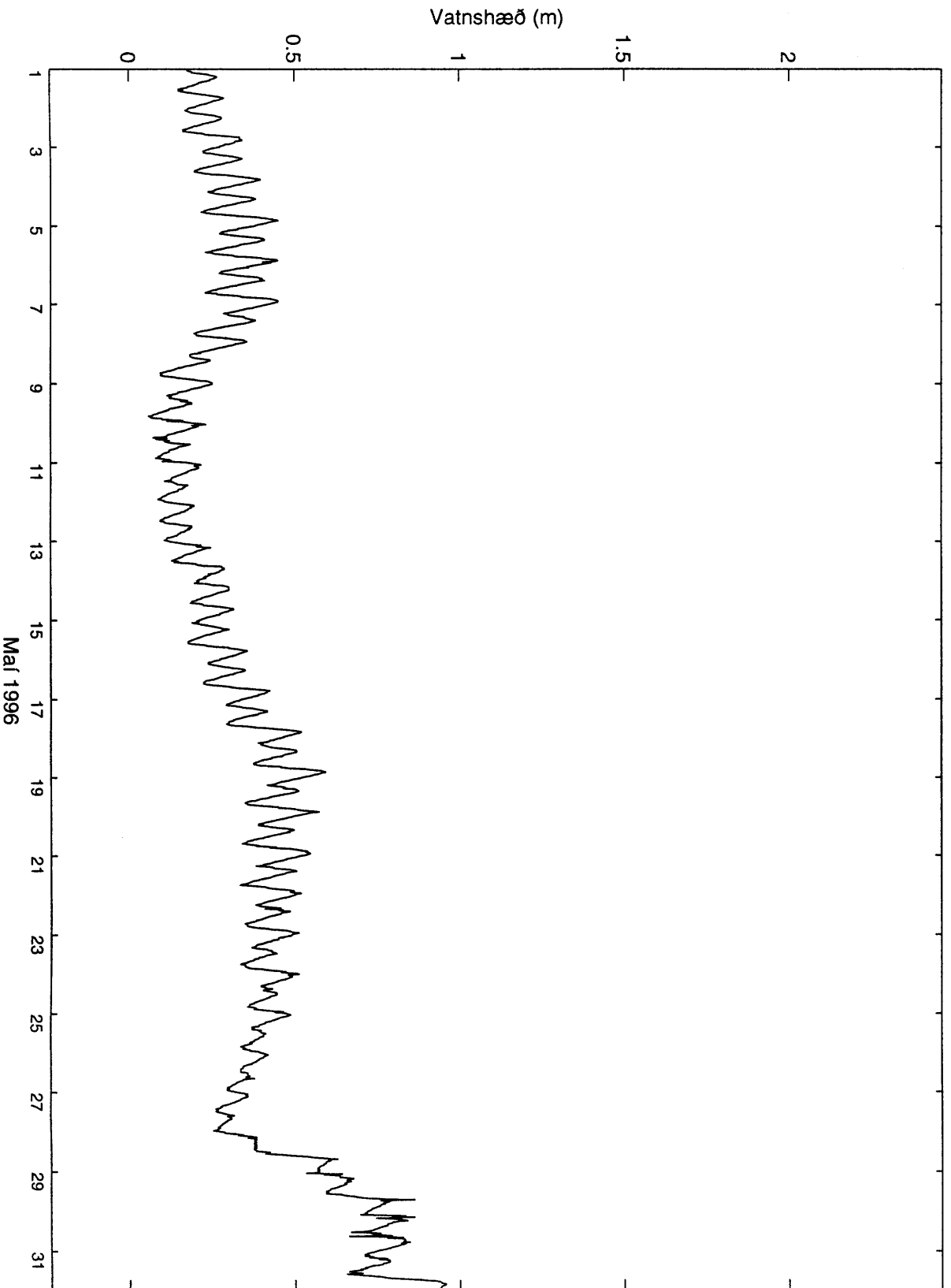
V264, Jökulsárlón, Breiðamerkursandi;



V264, Jökulsárlón, Breiðamerkursandi:

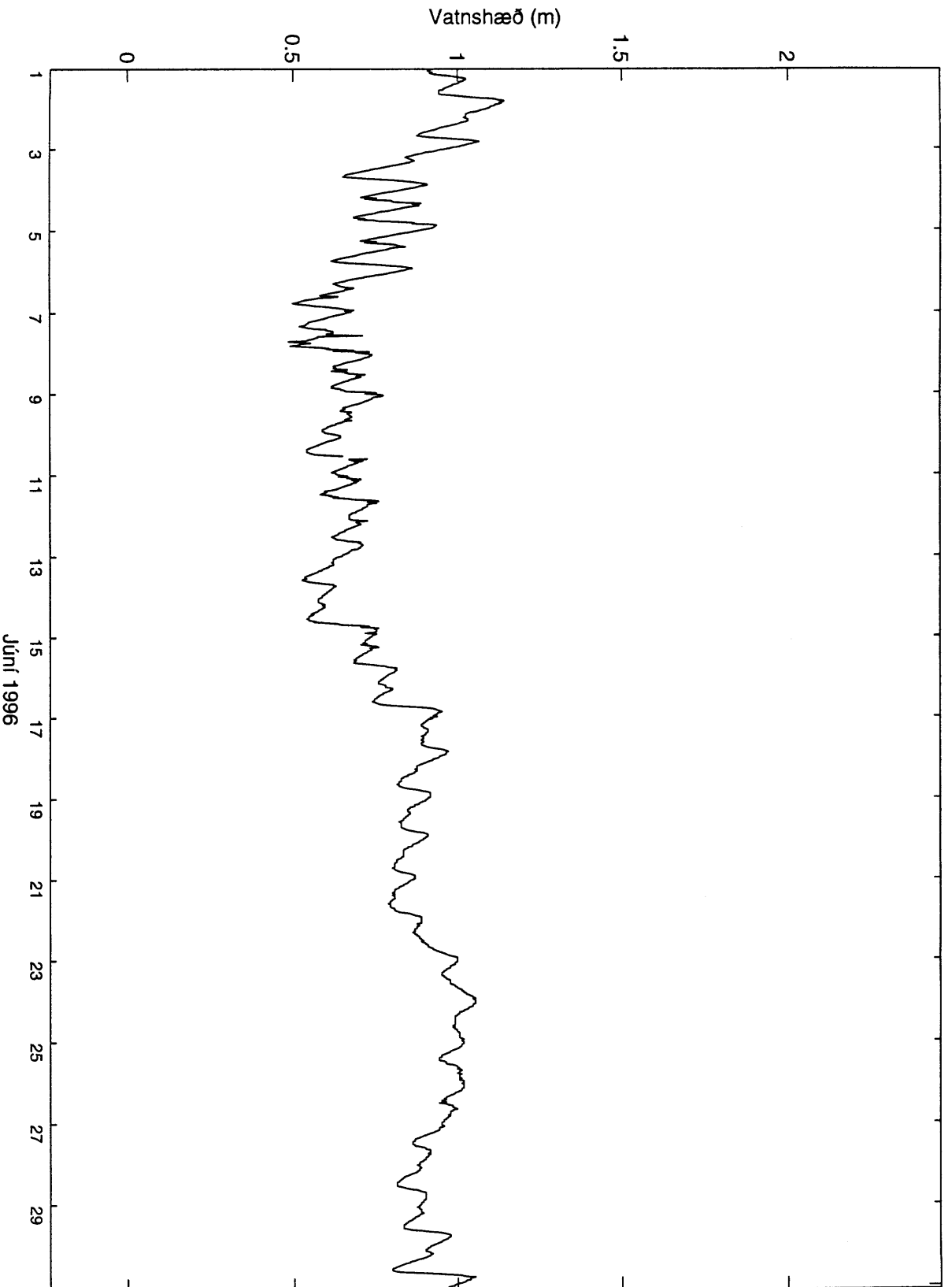


V264, Jökulsárlón, Breiðamerkursandi;

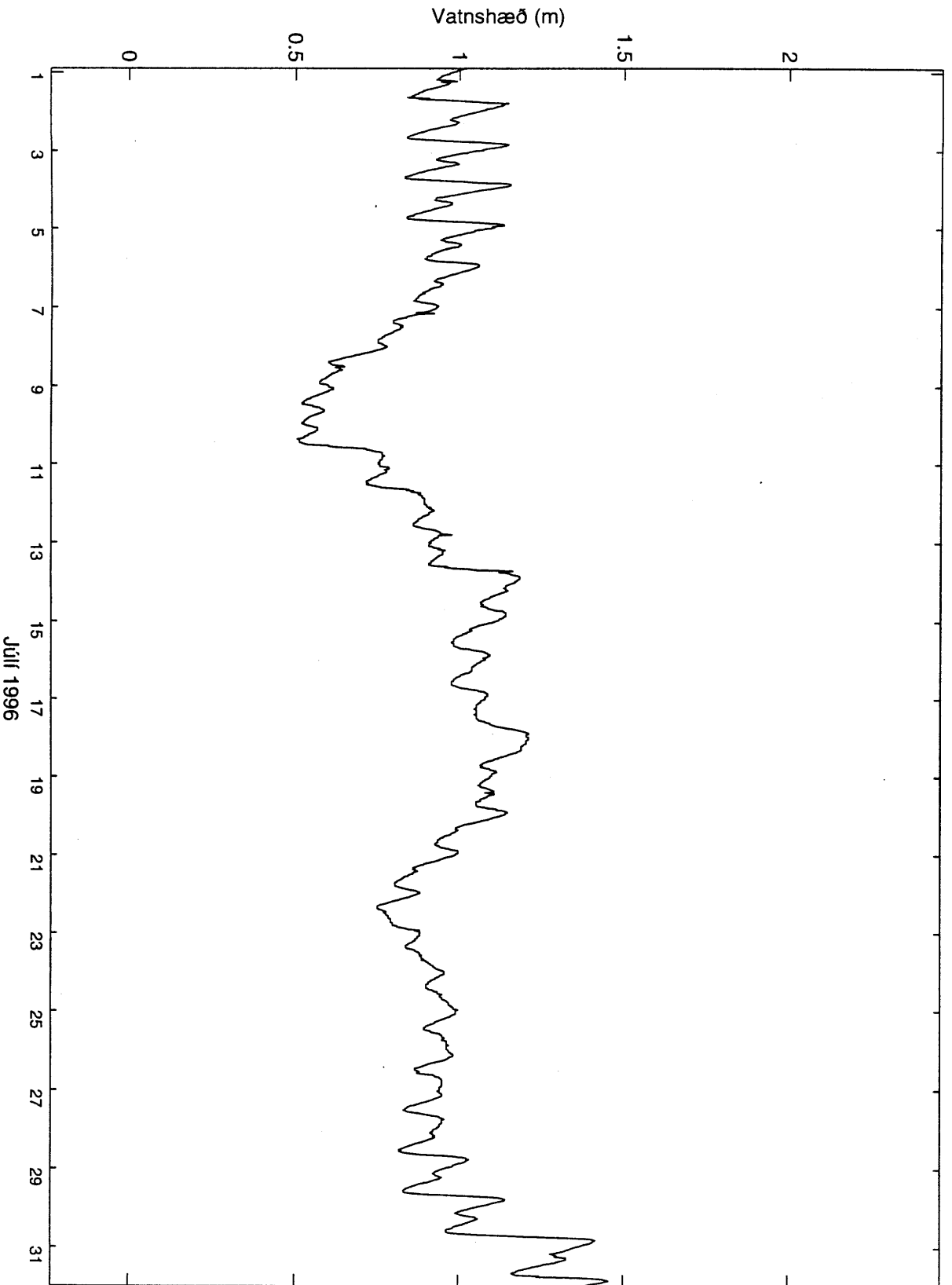




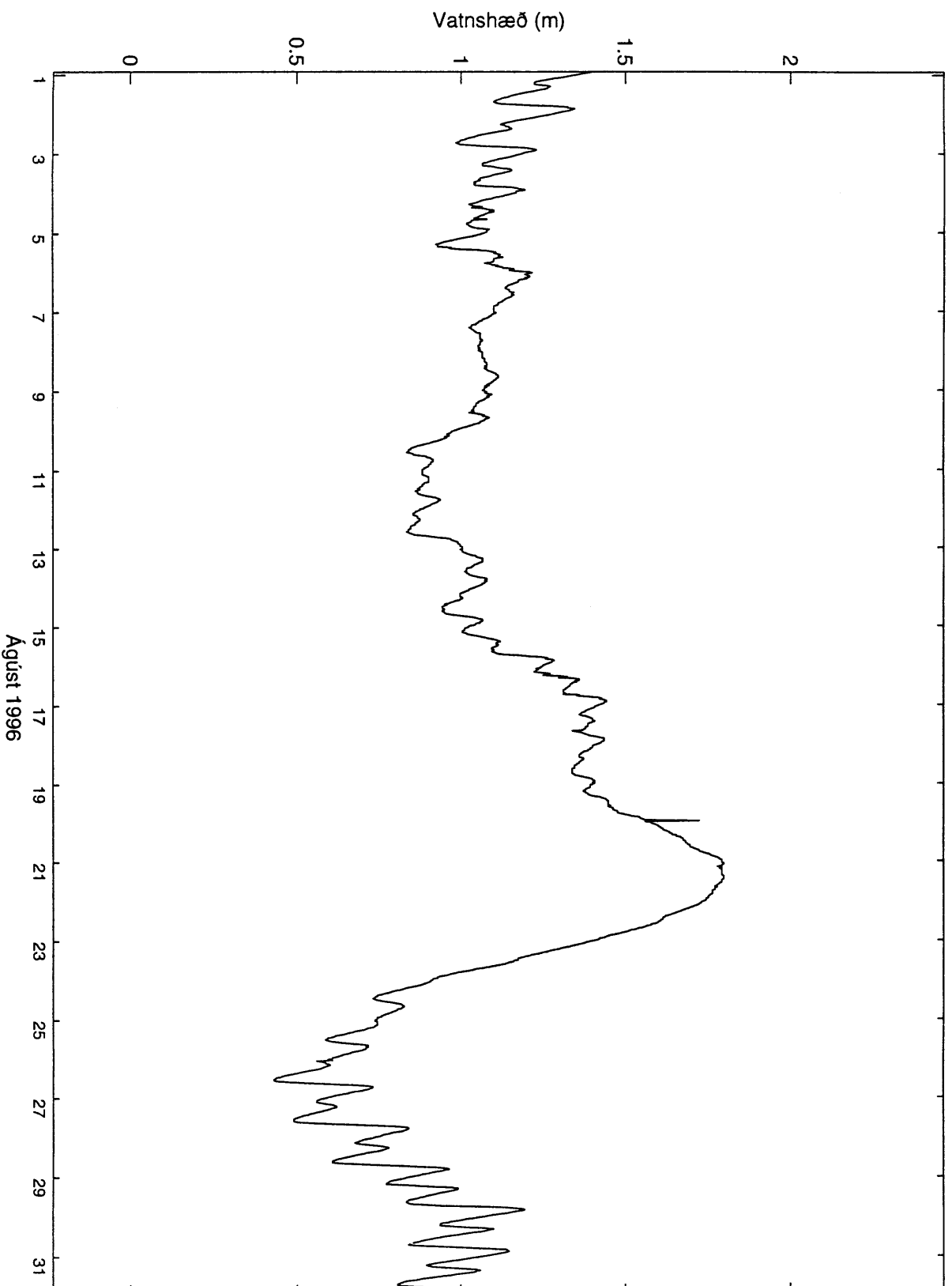
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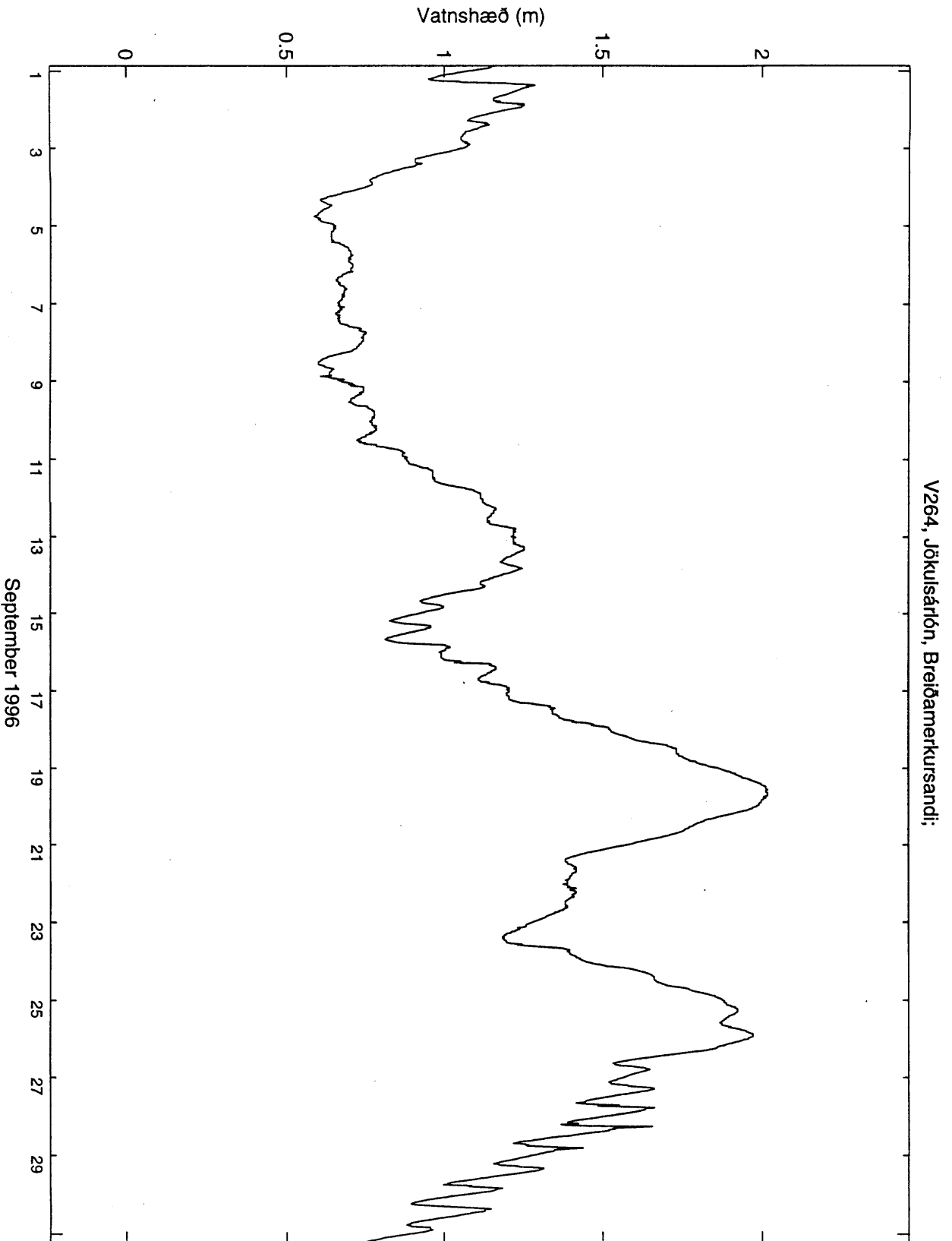


V264, Jökulsárlón, Breiðamerkursandi;

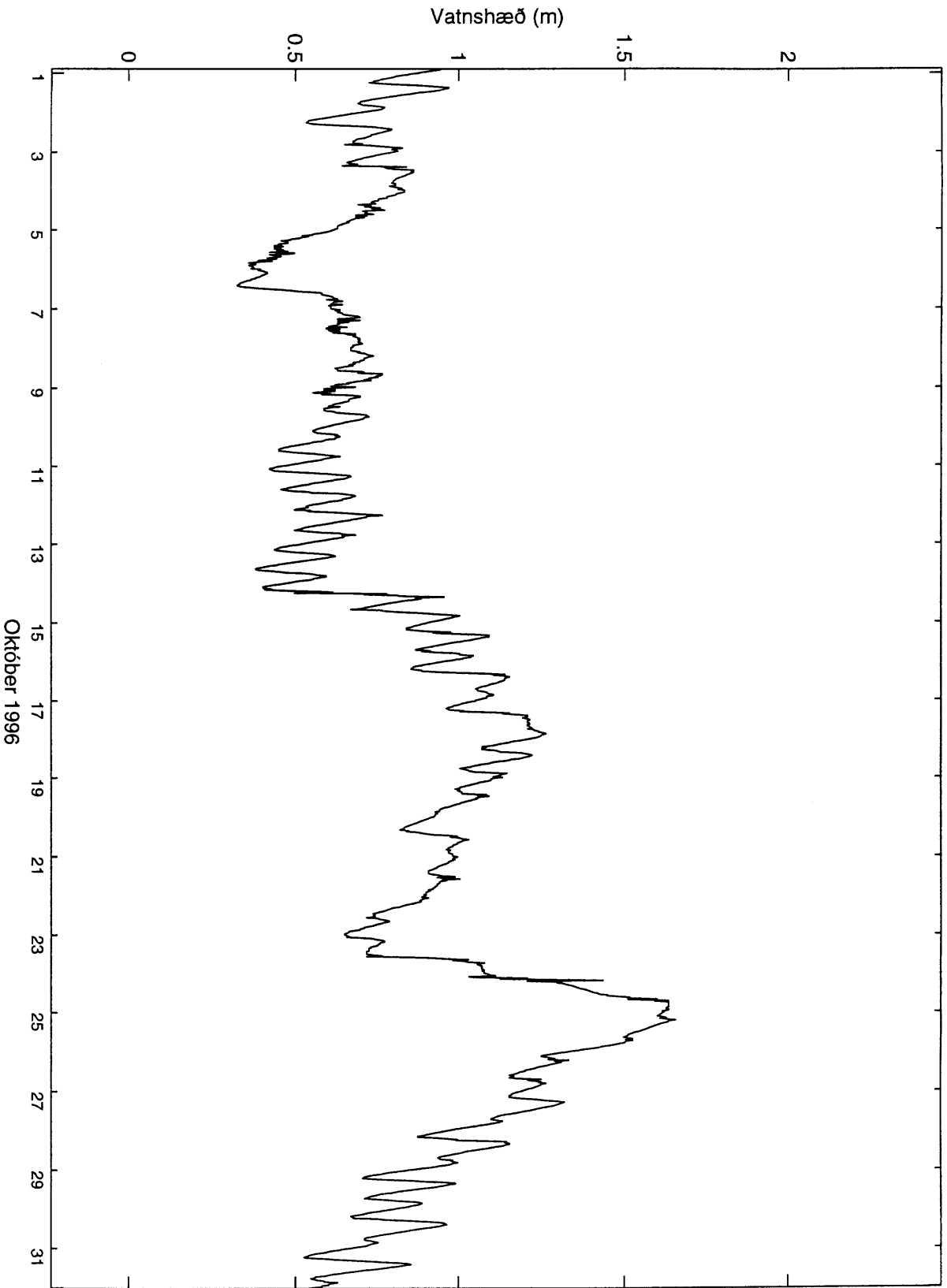


V264, Jökulsárlón, Breiðamerkursandi;

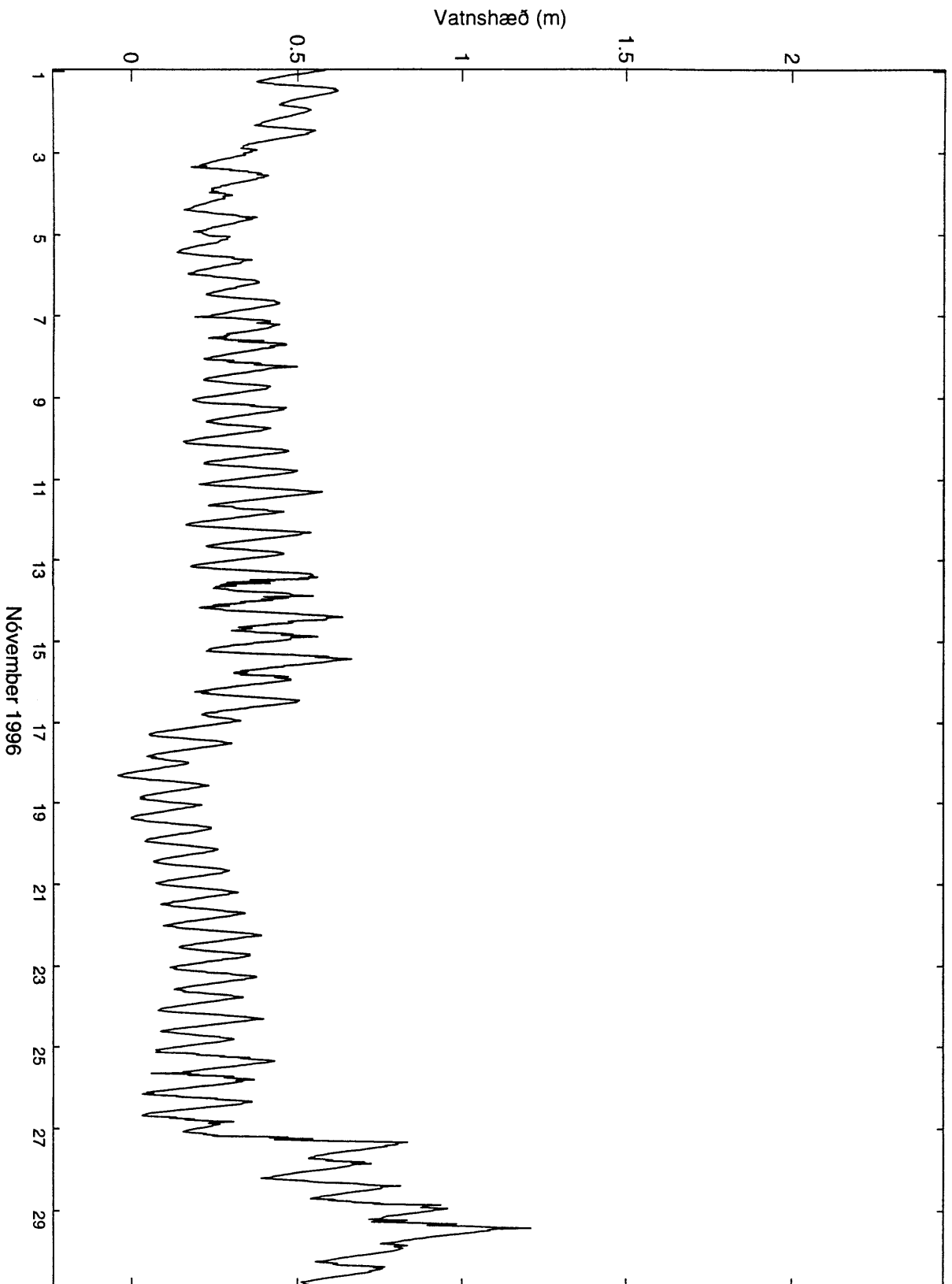




V264, Jökulsárlón, Breiðamerkursandi:

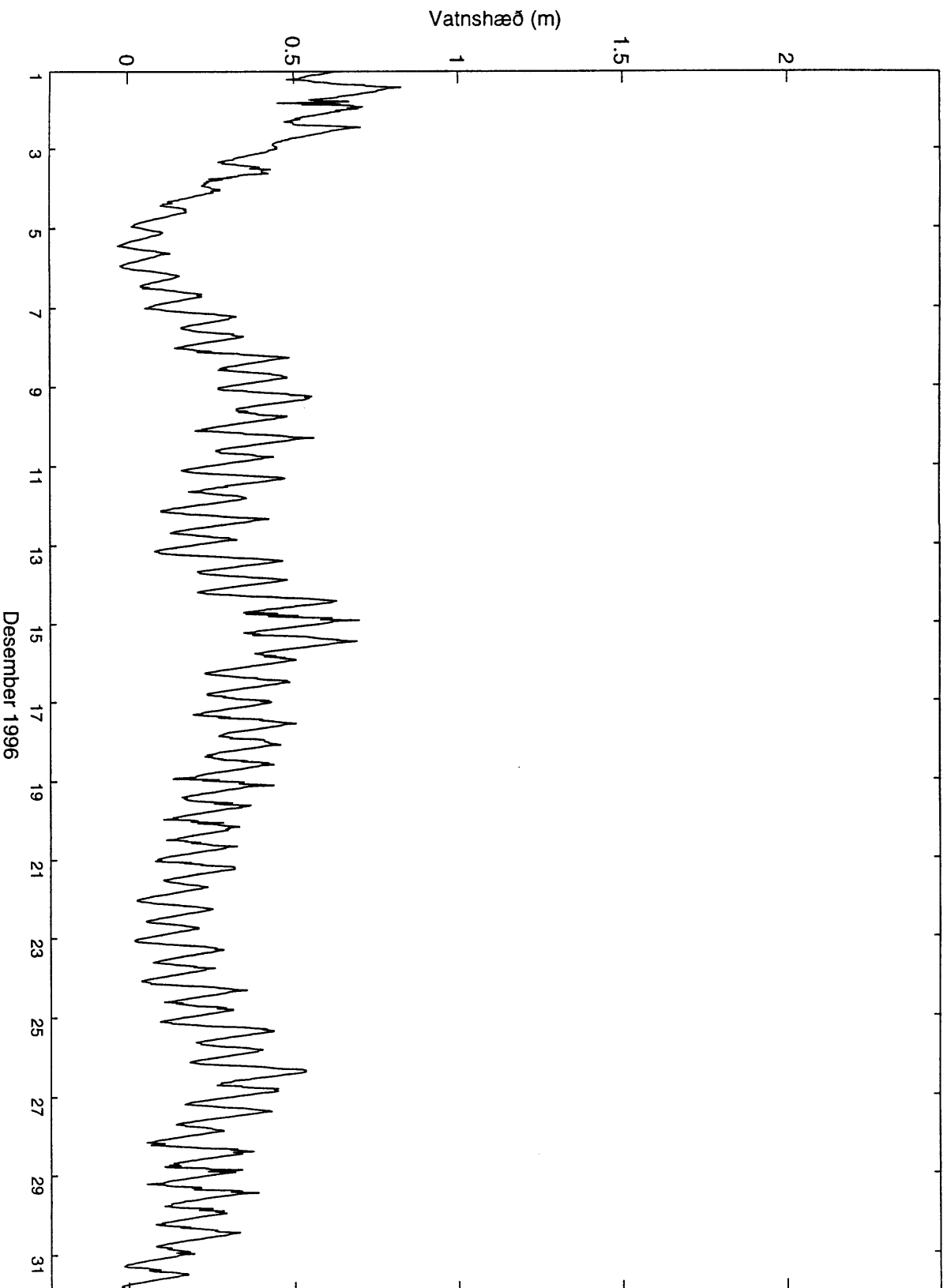


V264, Jökulsárlón, Breiðamerkursandi;

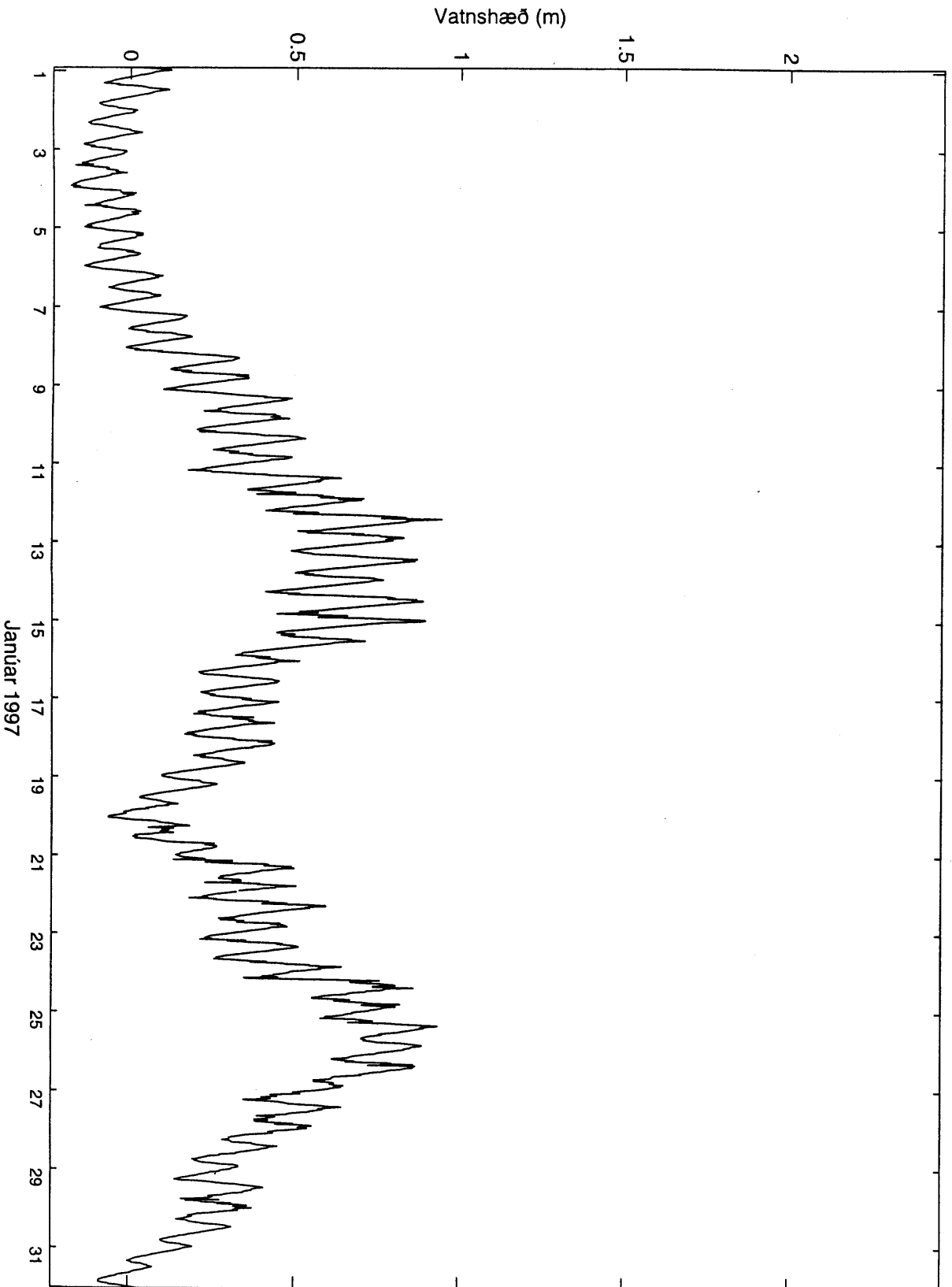


Mynd 16

V264, Jökulsárlón, Breiðamerkursandi;

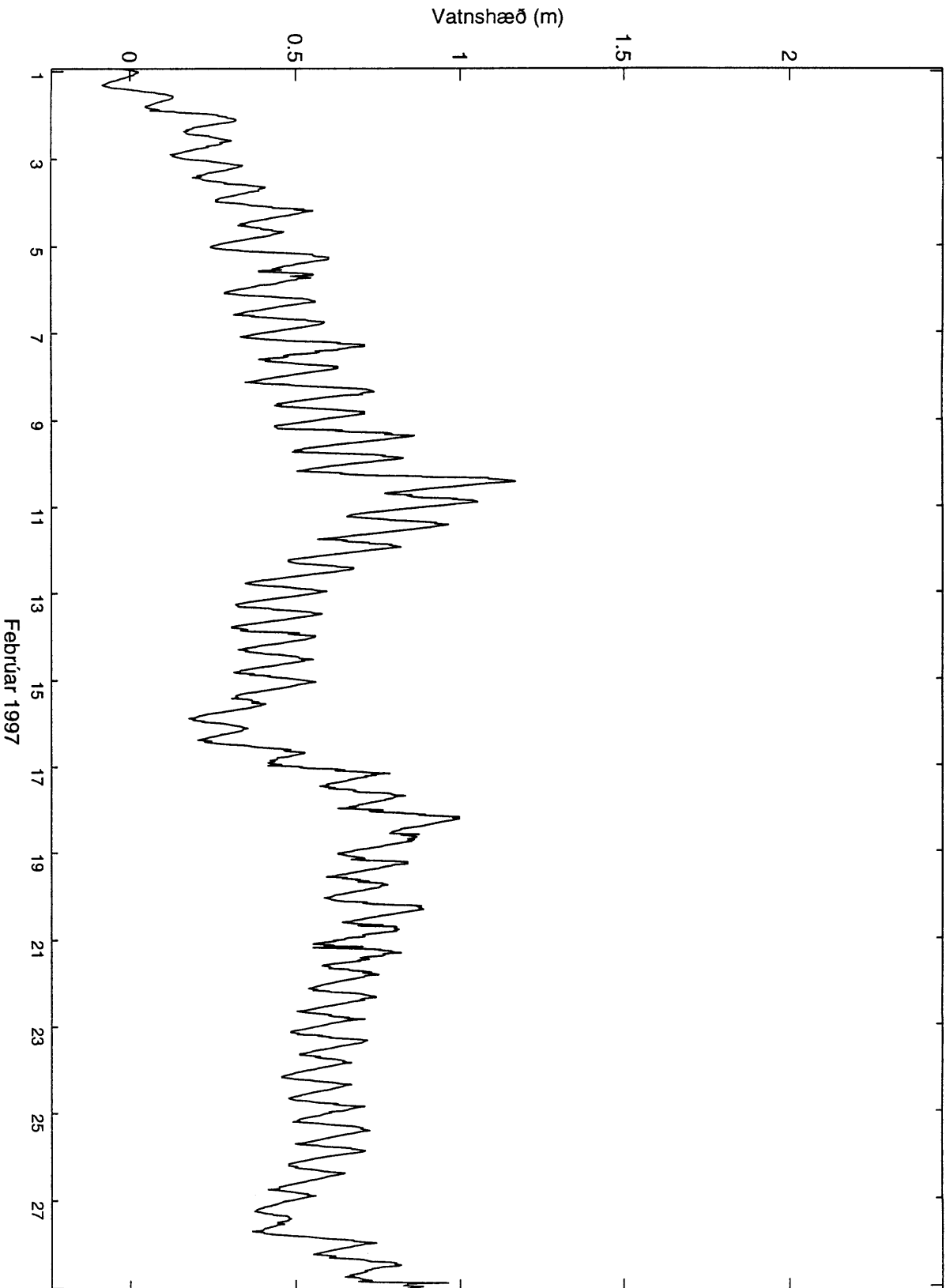


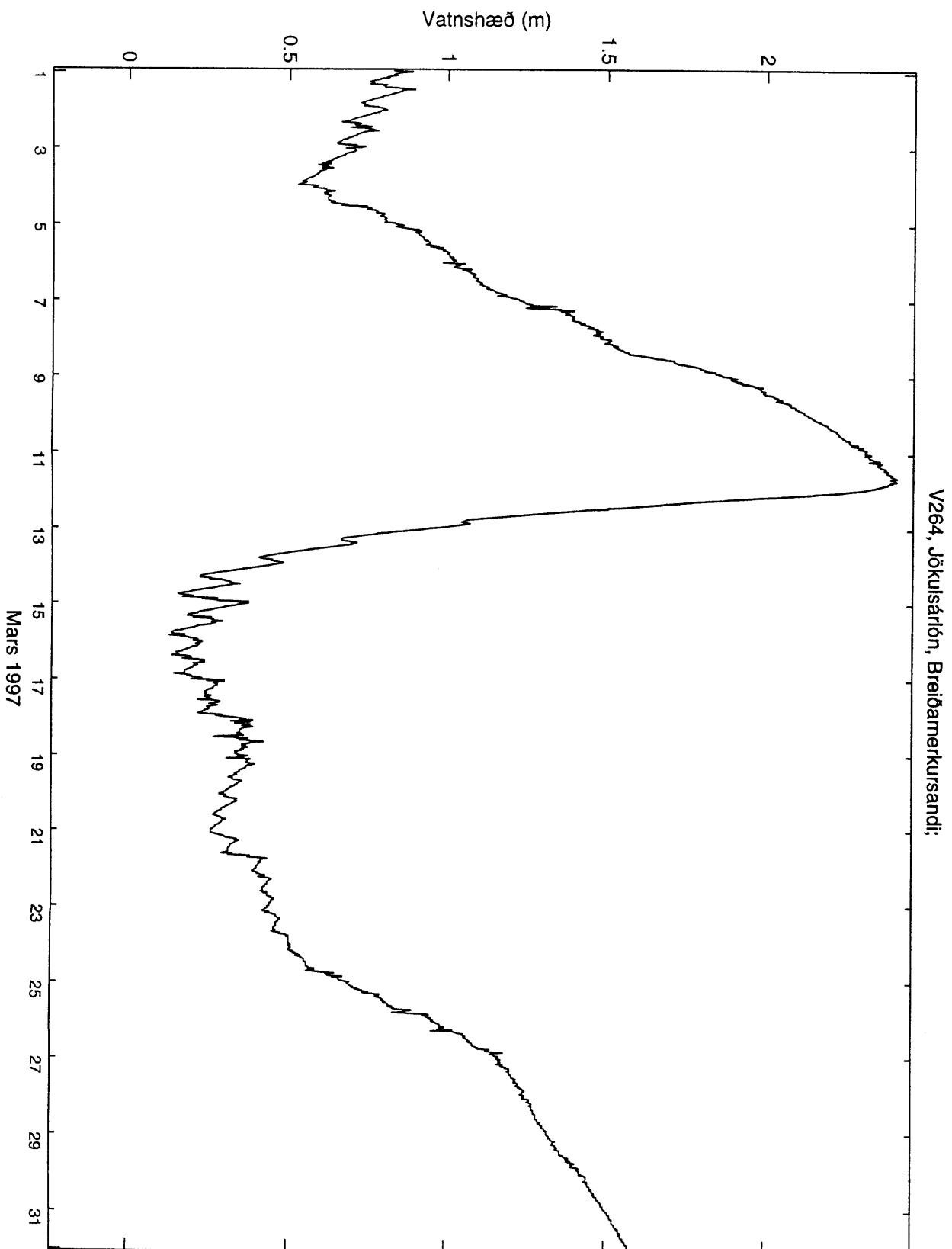
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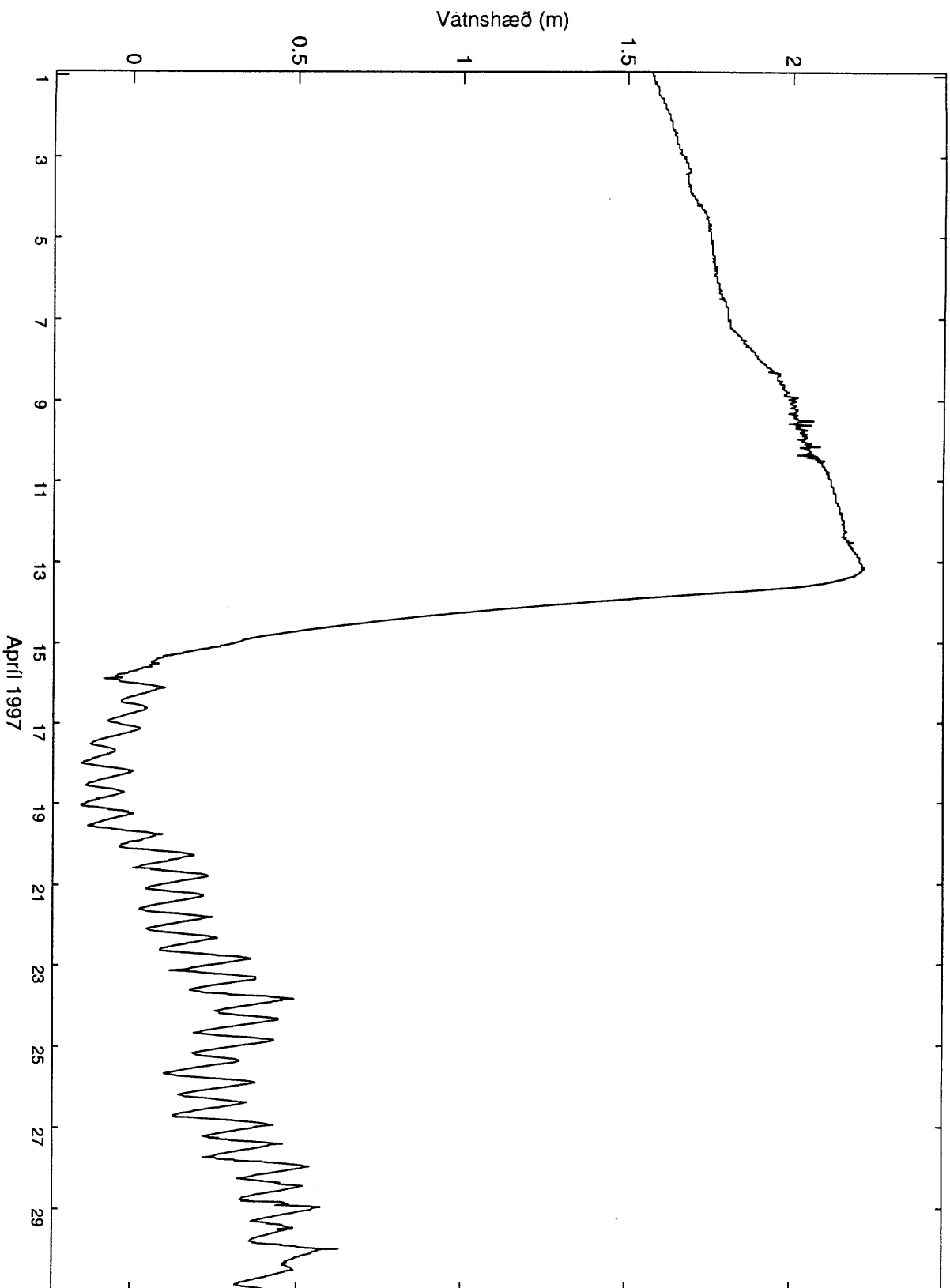
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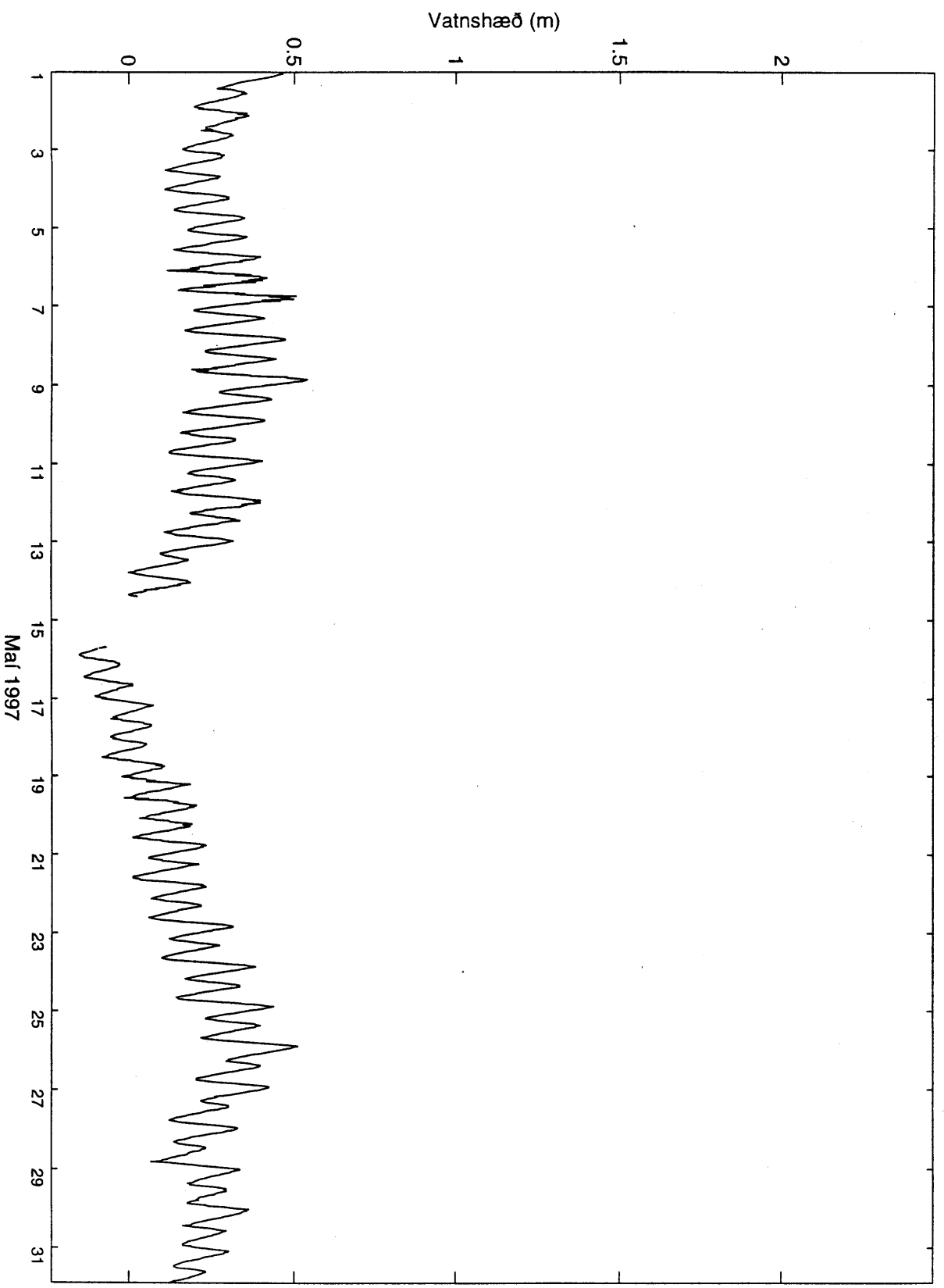


Mynd 20

V264, Jökulsárlón, Breiðamerkursandi;

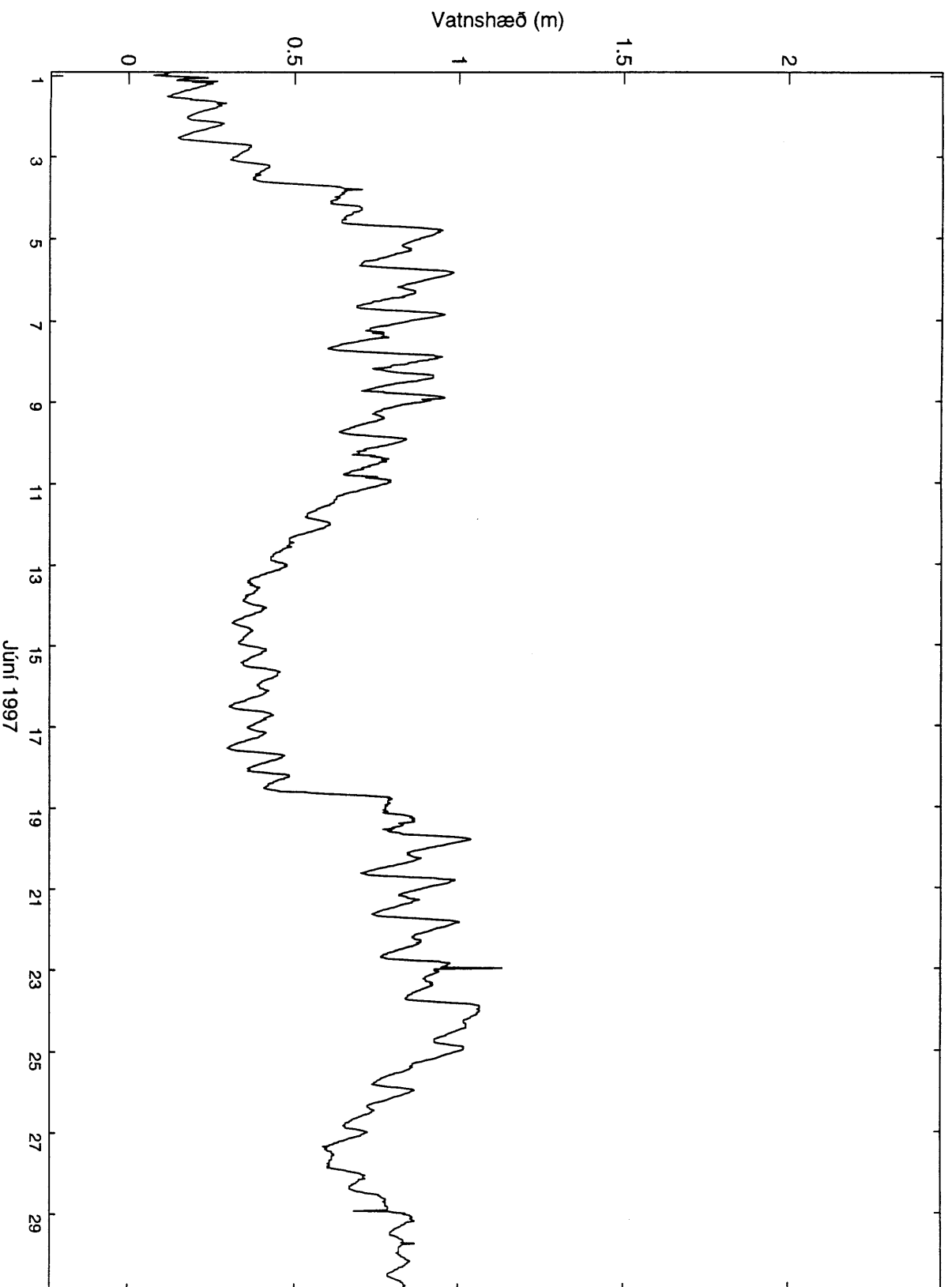


V264, Jökulsárlón, Breiðamerkursandi:

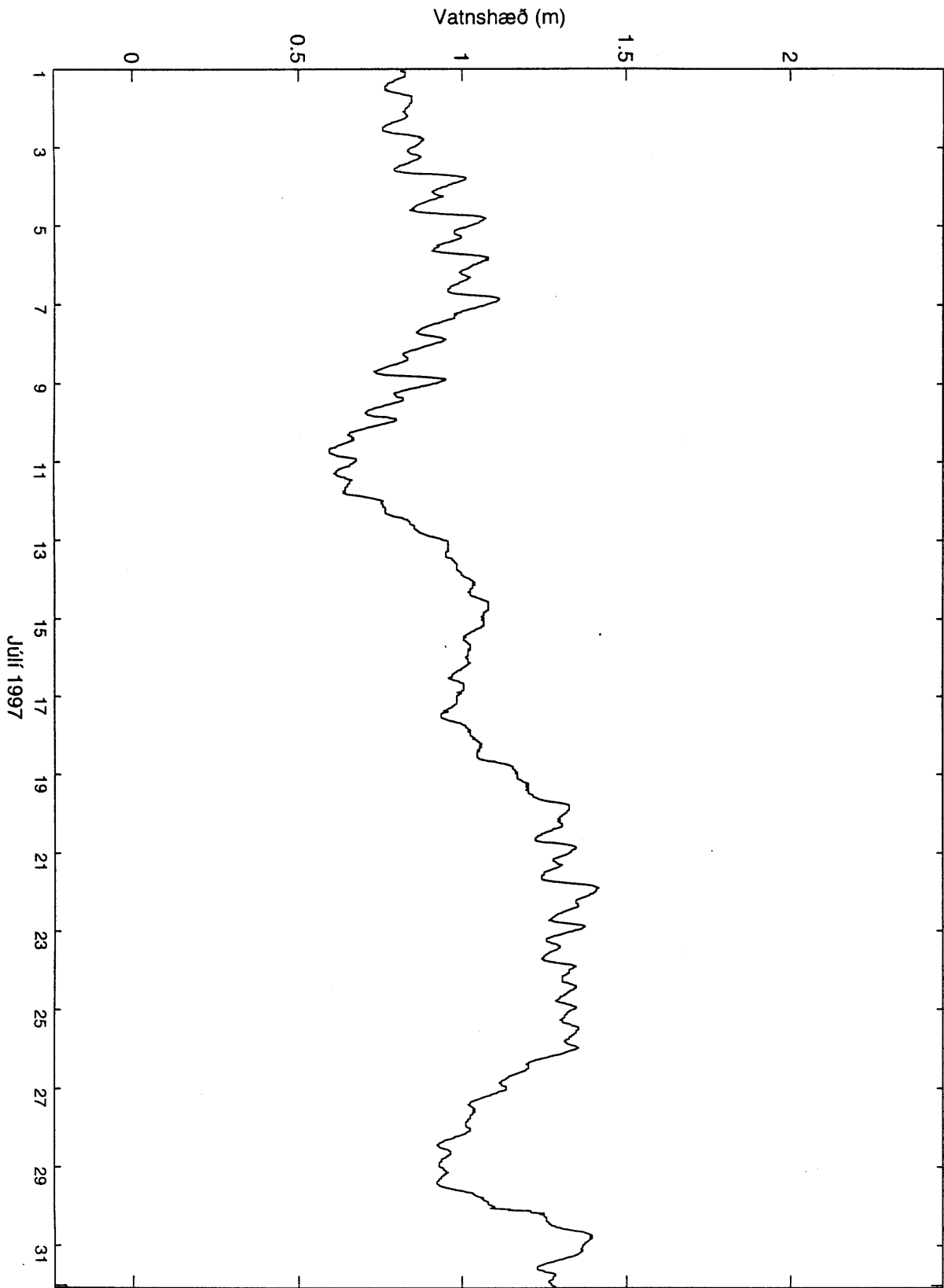


Mynd 22

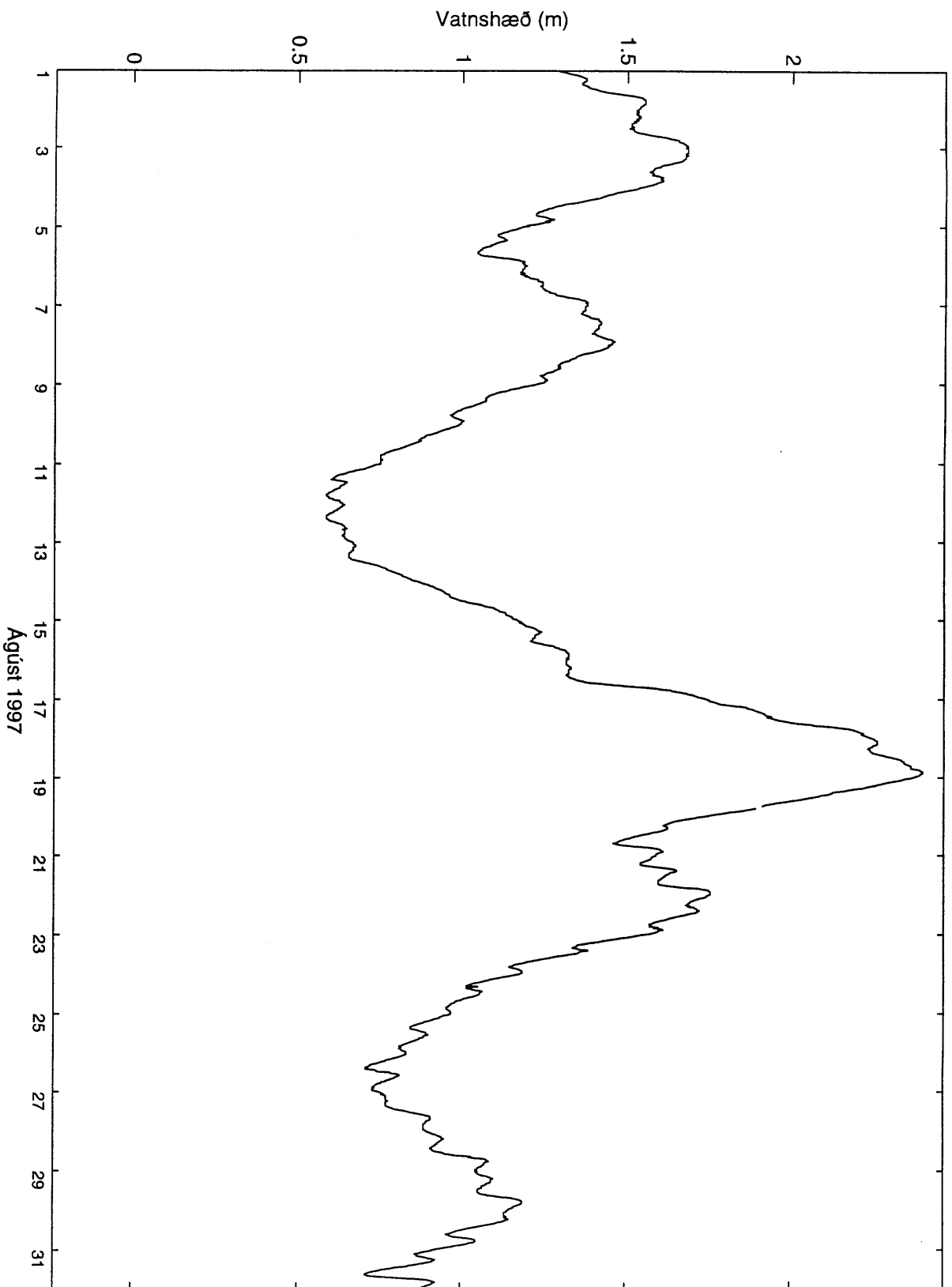
V264, Jökulsárlón, Breiðamerkursandi;



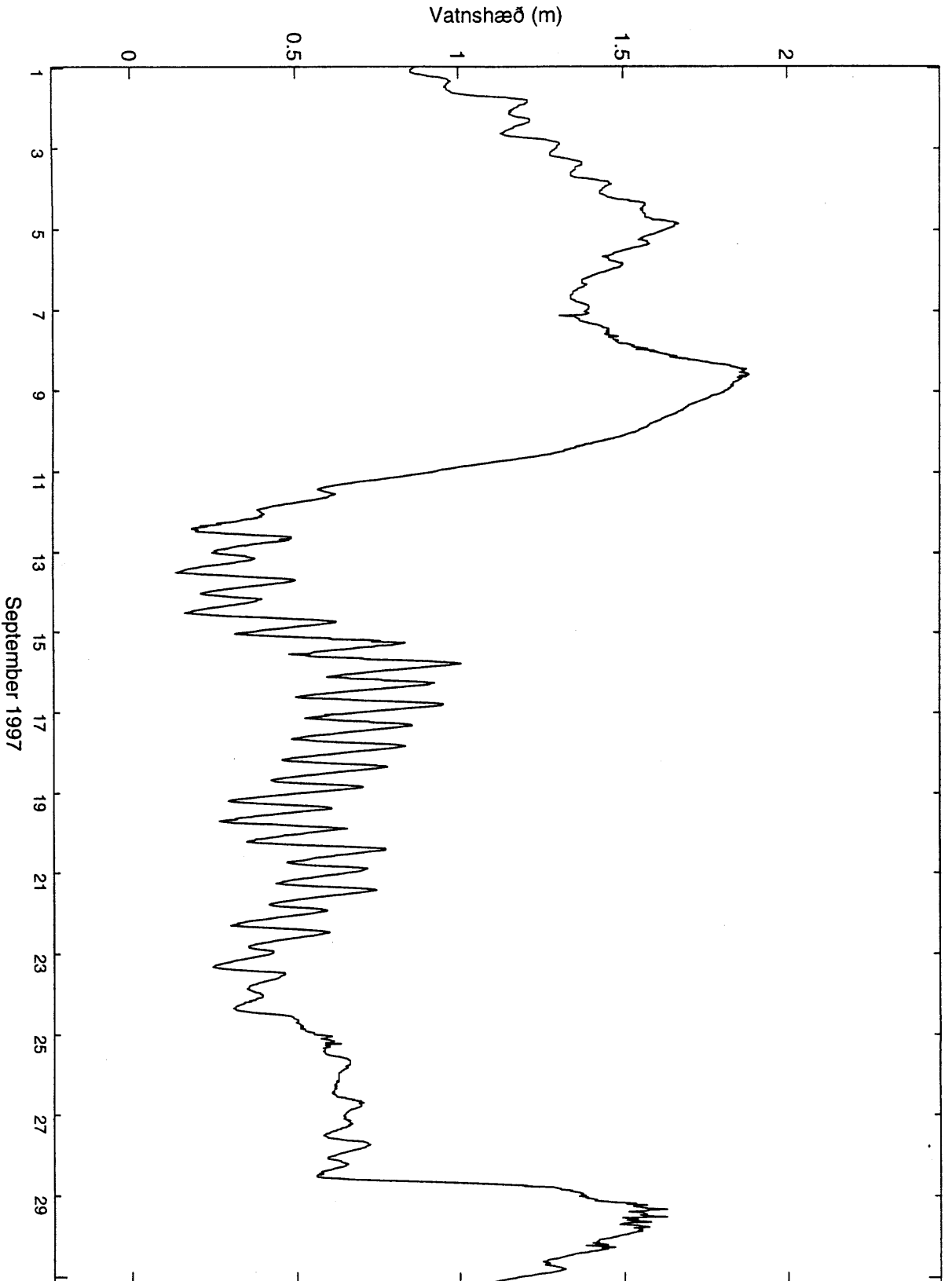
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V264, Jökulsárlón, Breiðamerkursandi;

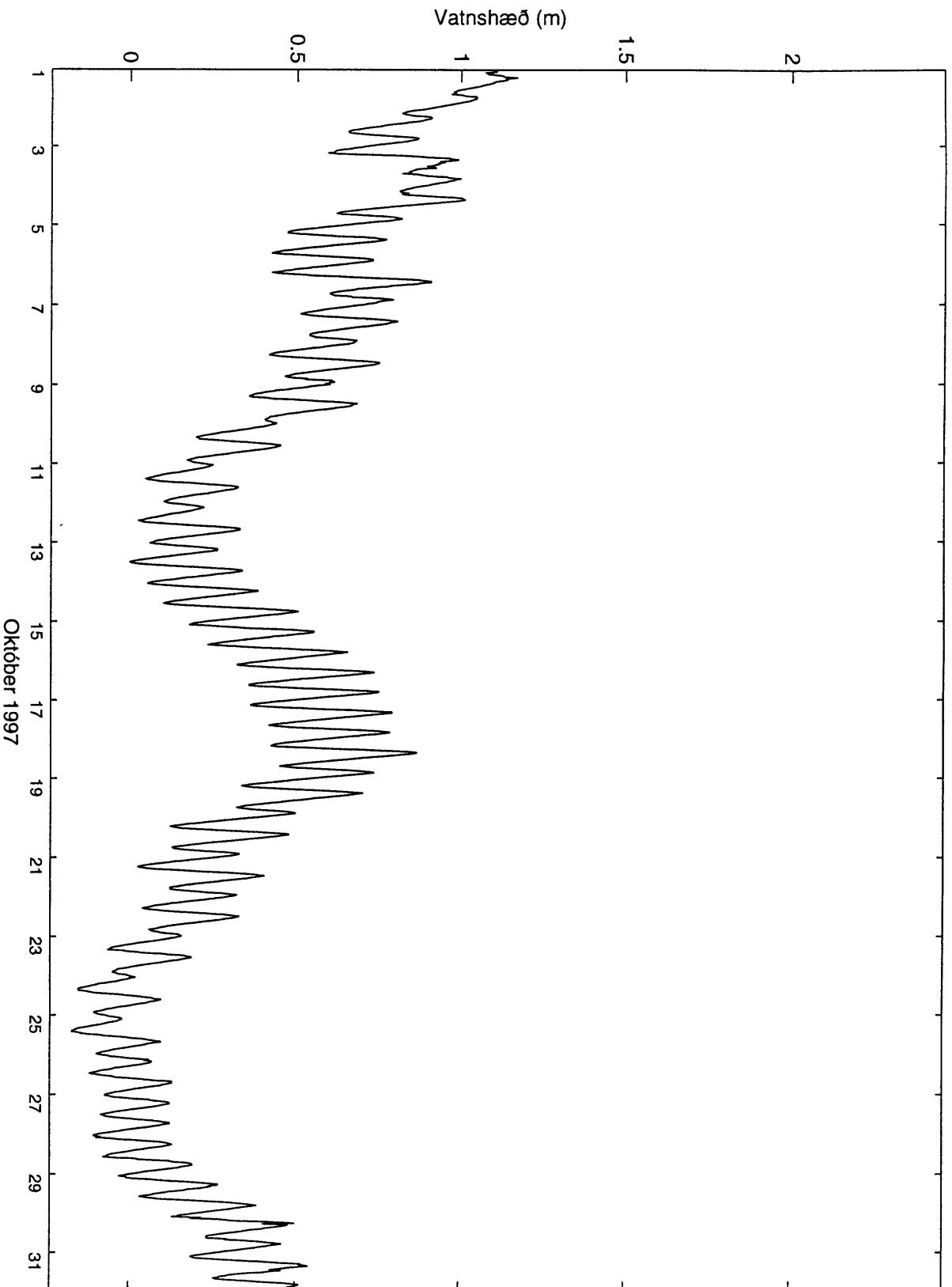


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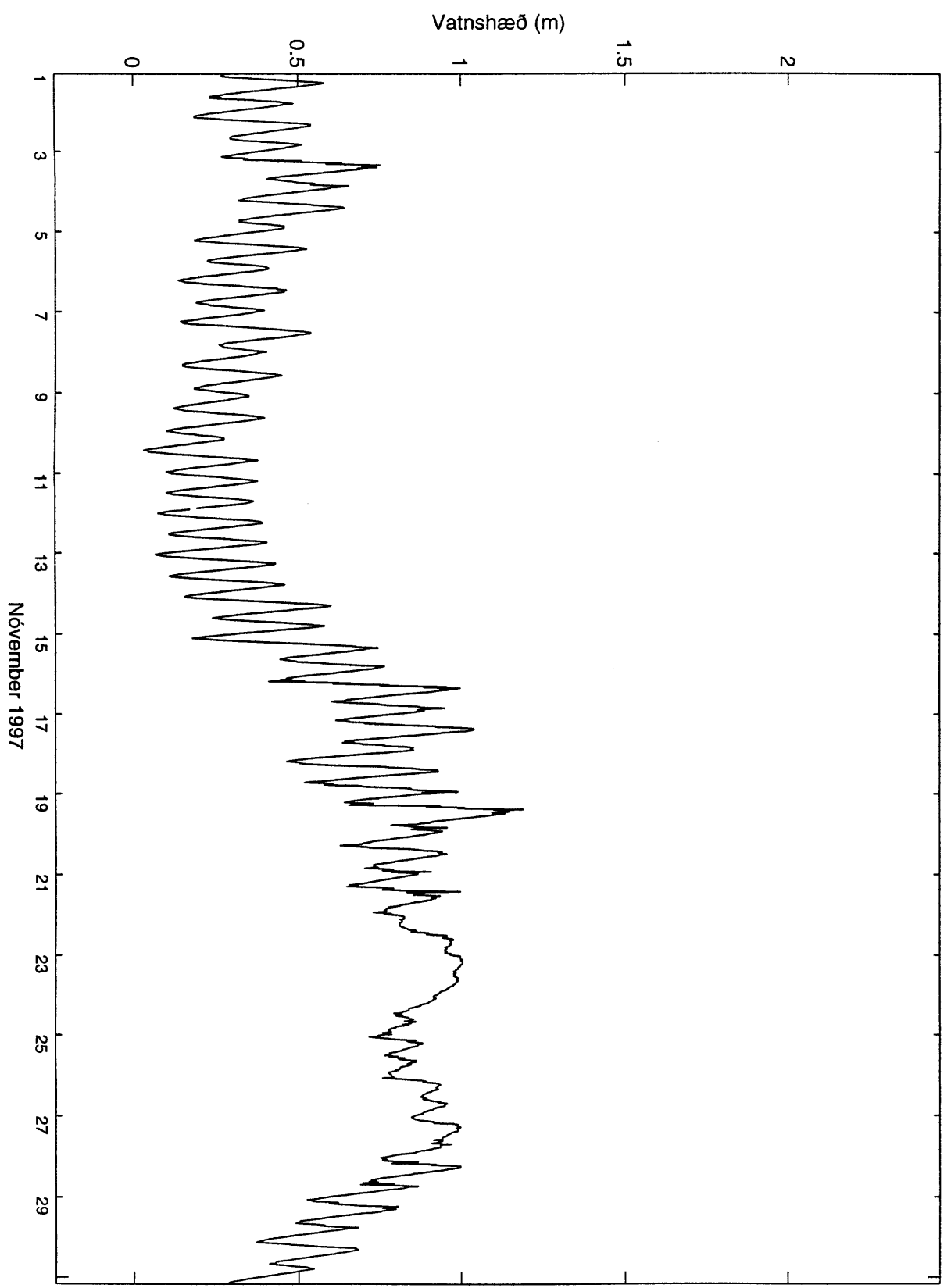




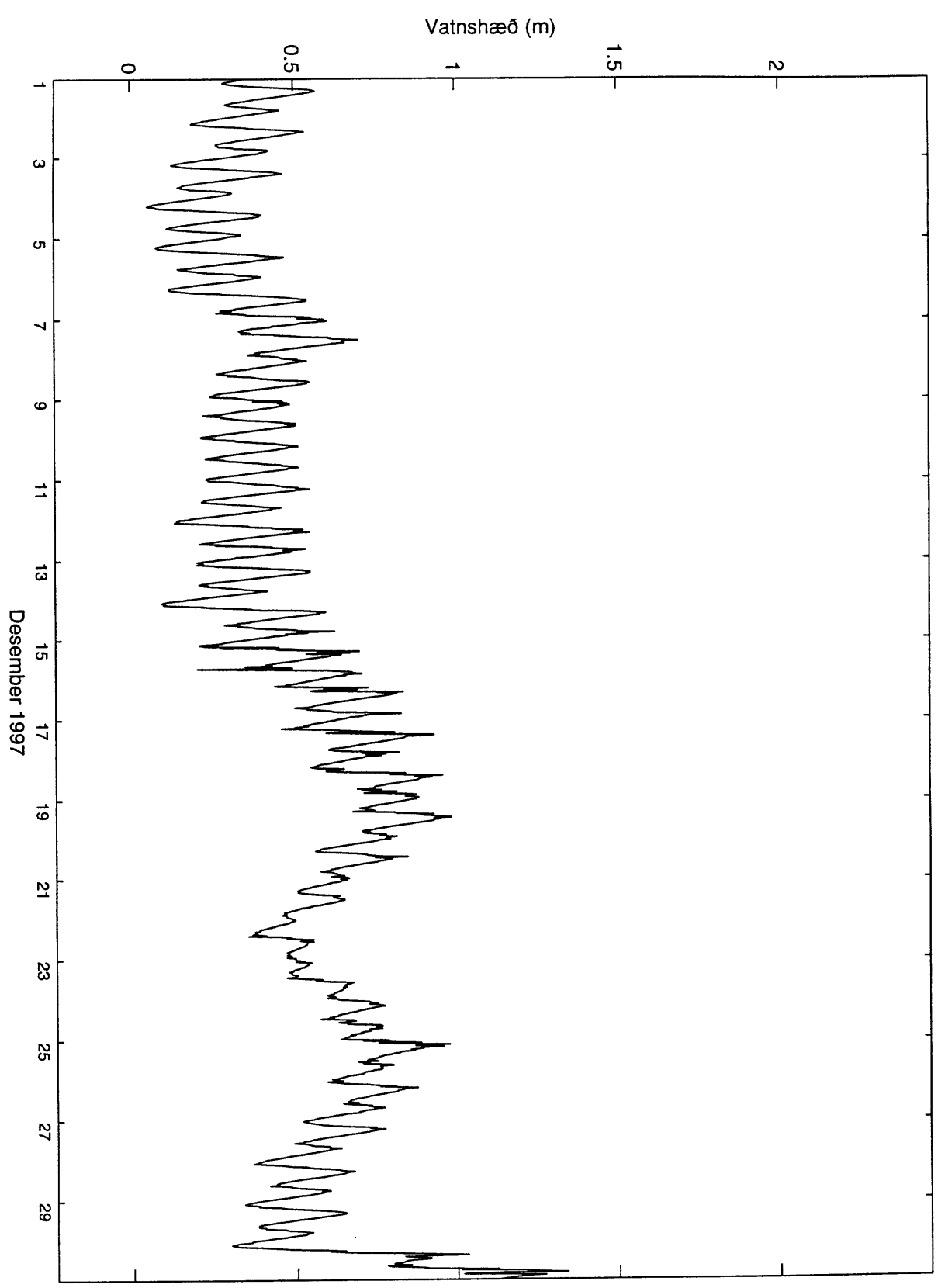
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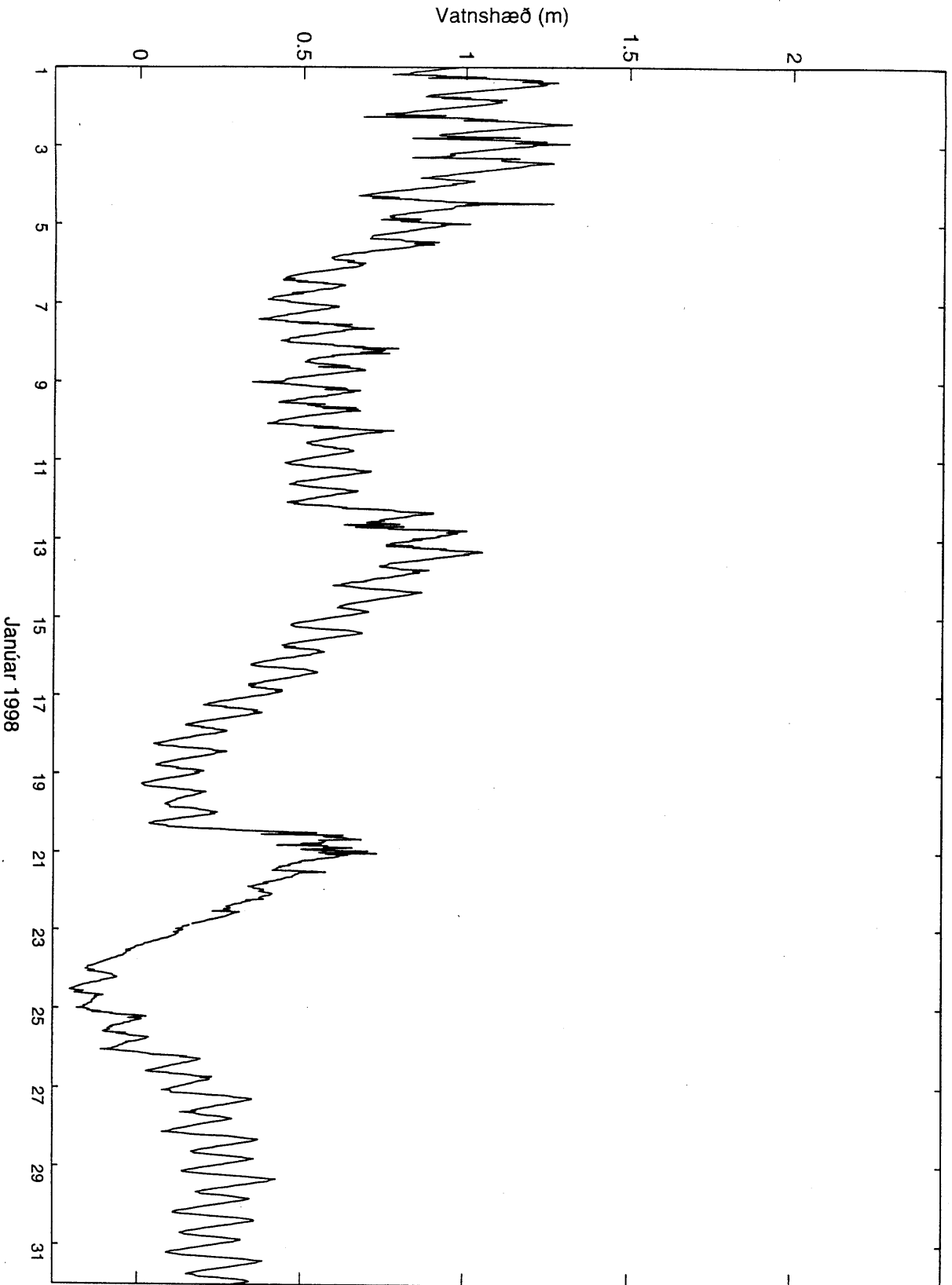
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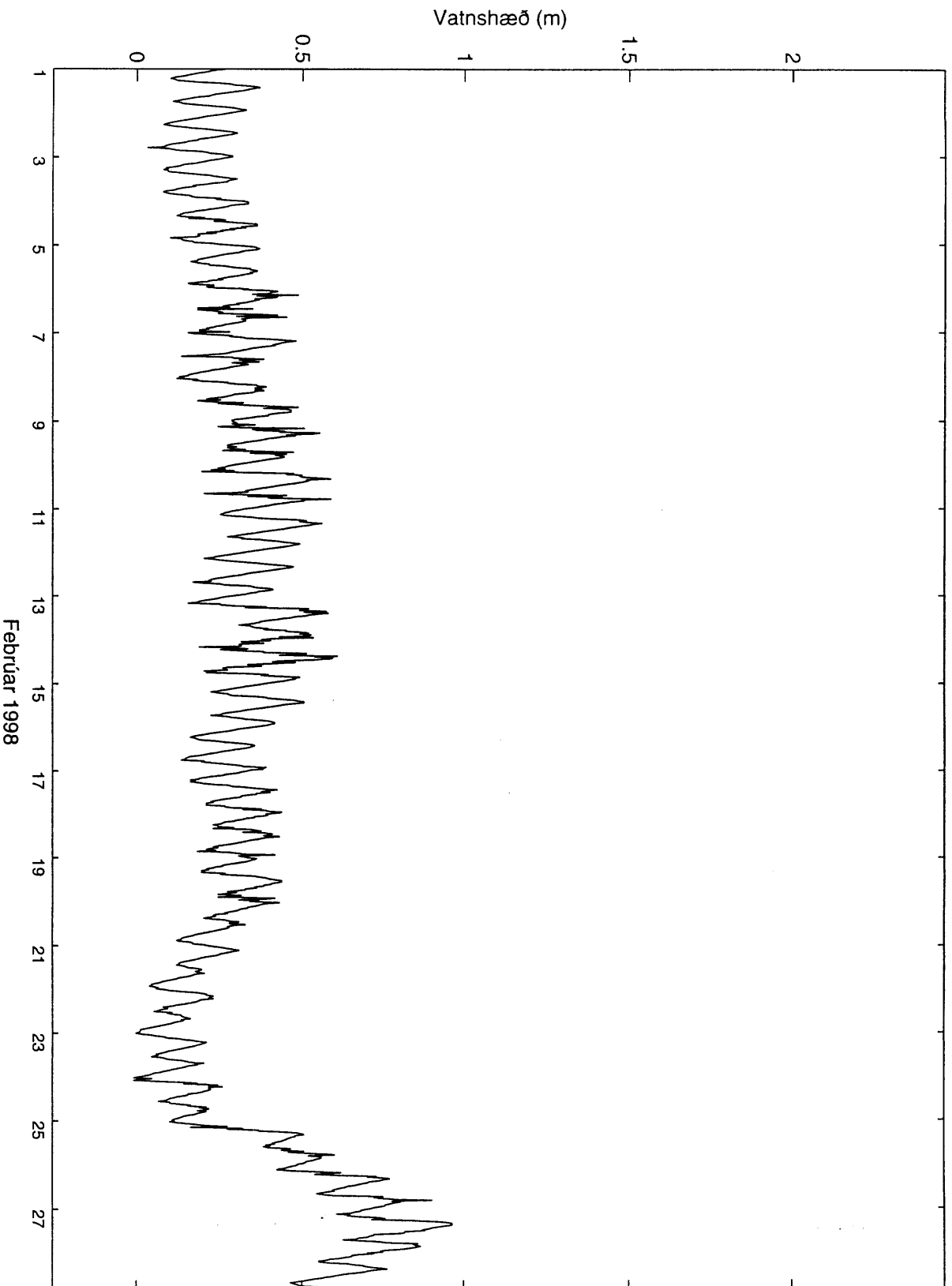
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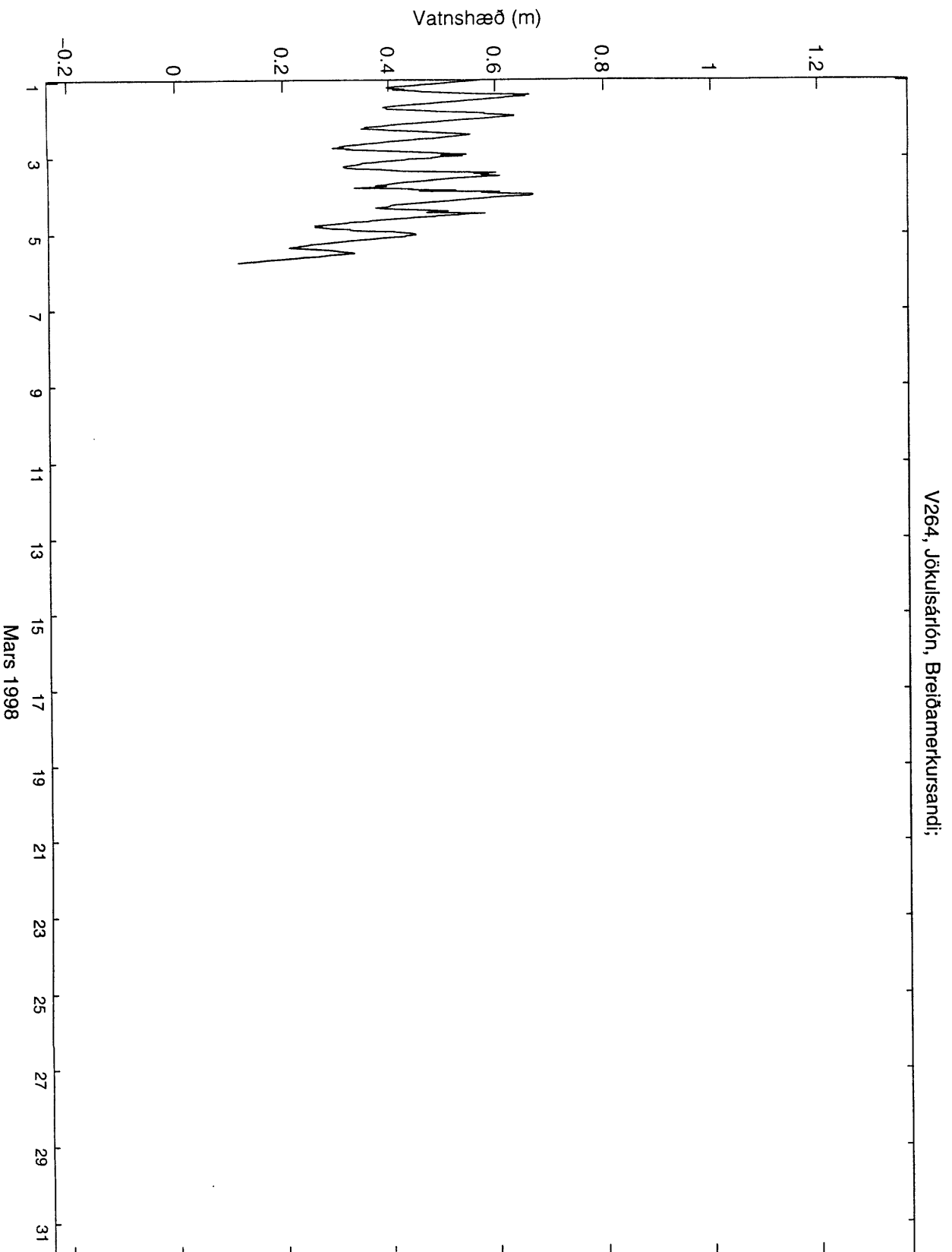


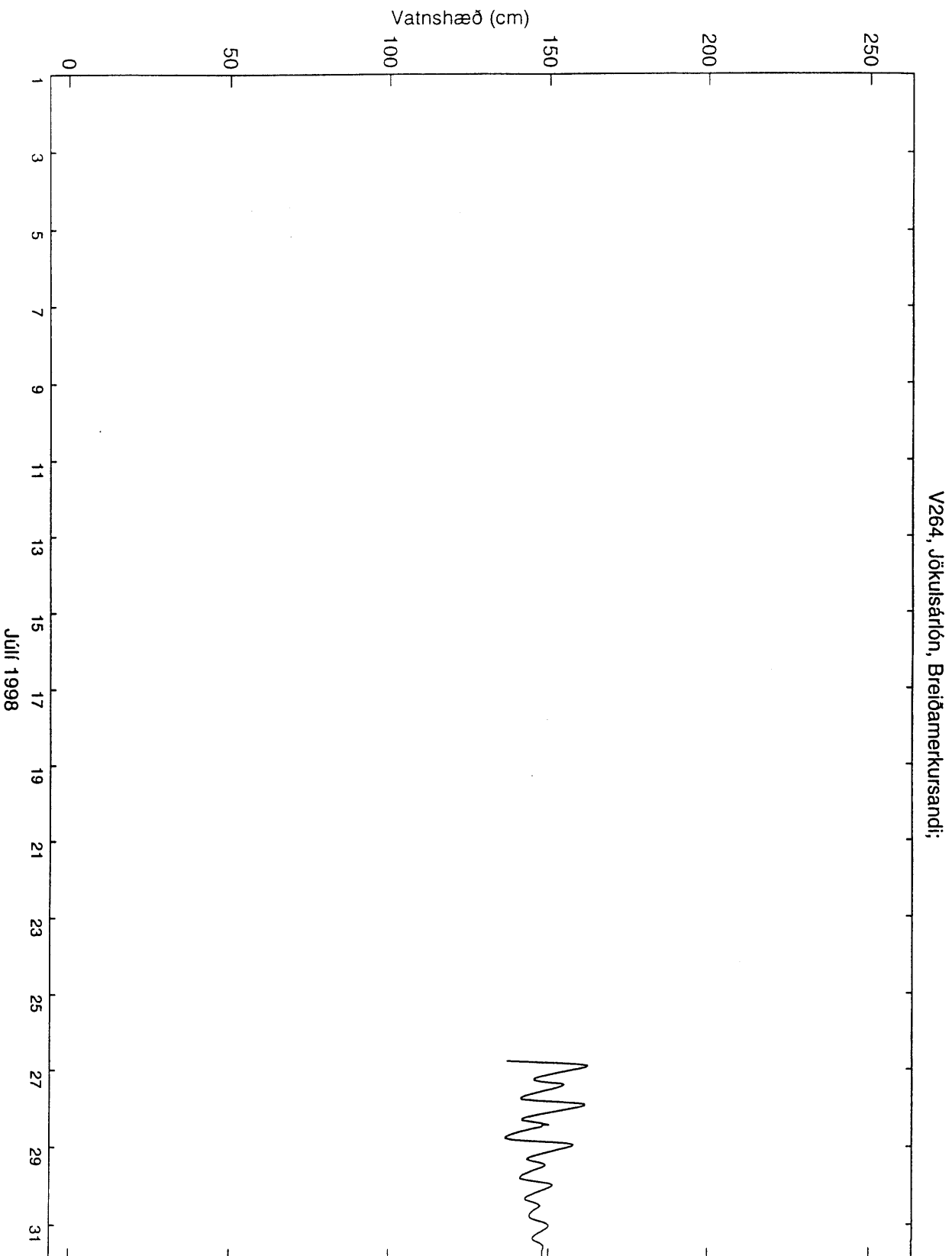
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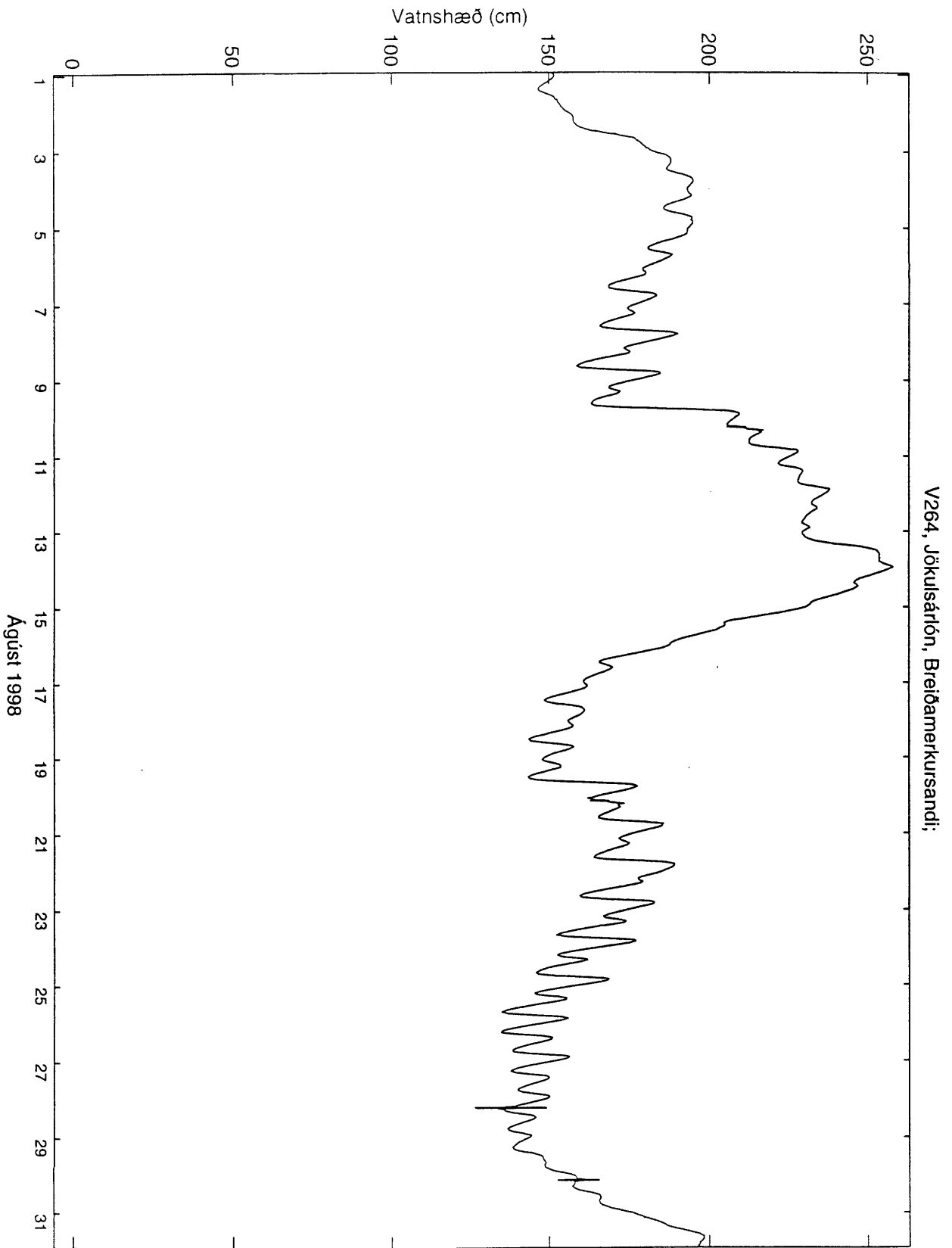


V264, Jökulsárlón, Breiðamerkursandi;

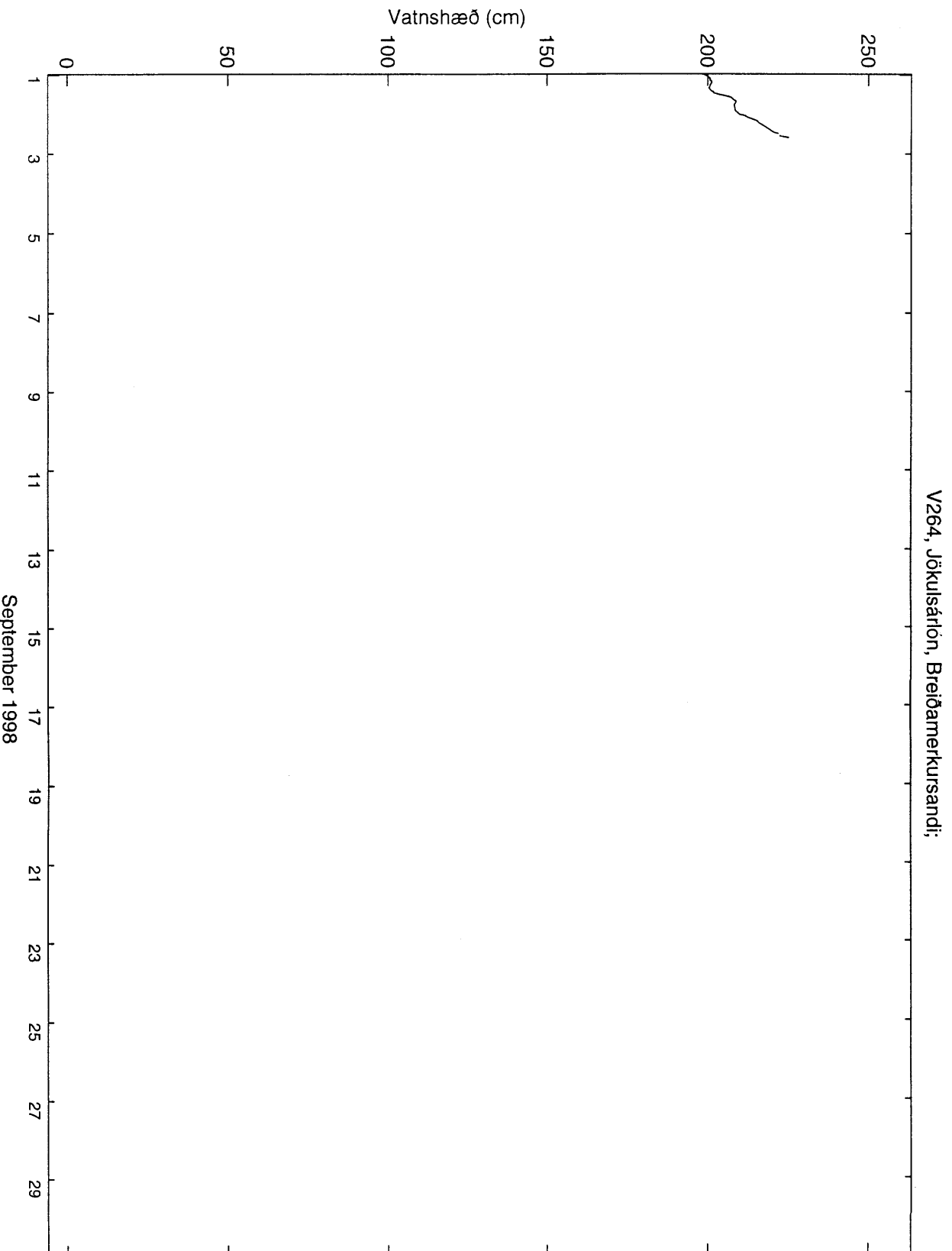


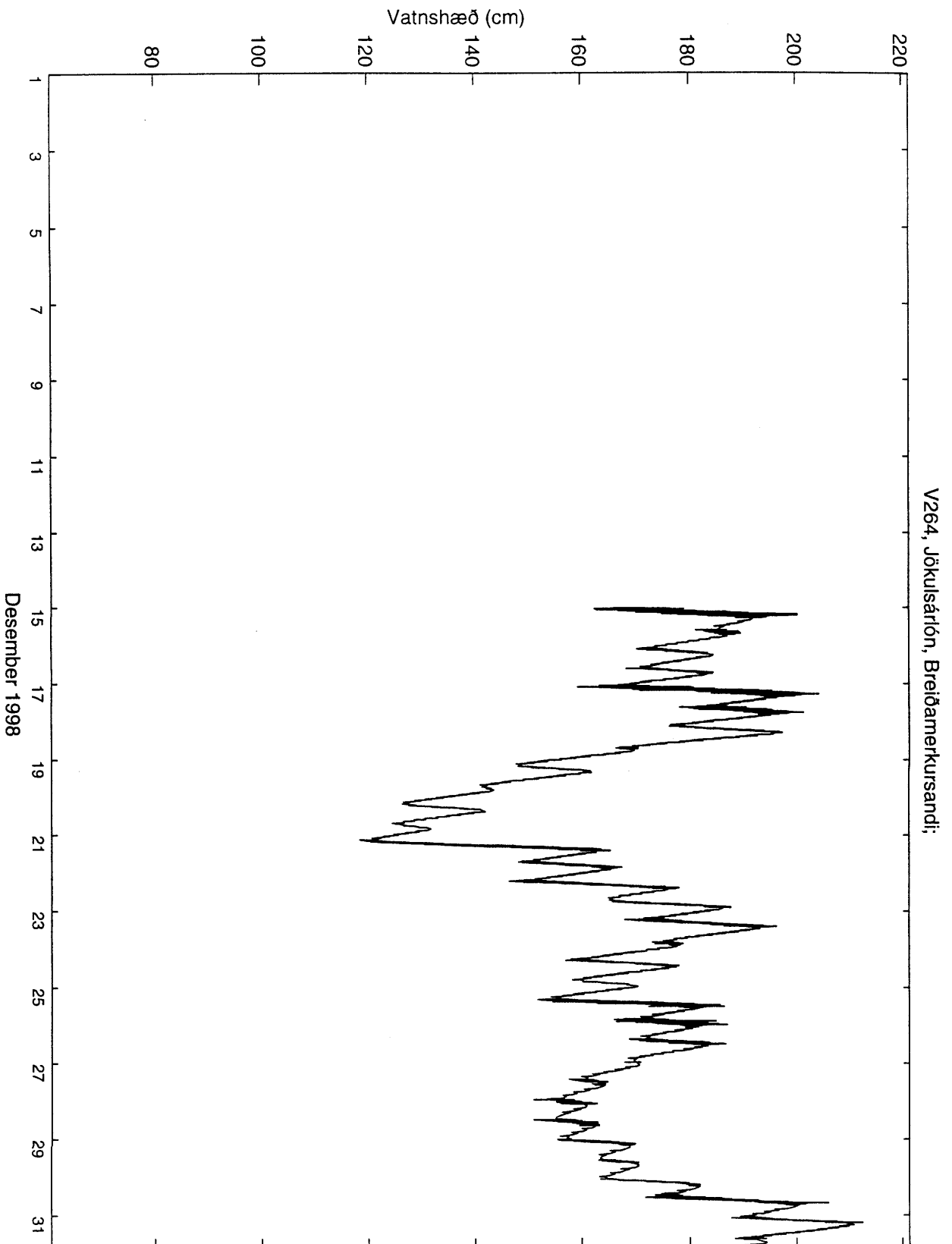












## Jökulsárlón; Breiðamerkursandi

Vatnshæð er í m

	Jan	Feb	Mar	Apr	Maí	Jún	Júl	Ágú	Sep	Okt	Nóv	Des
1						0.58	1.10	0.87	0.48	0.43	0.71	0.16
2						0.52	1.15	0.96	0.52	0.54	0.54	0.04
3						0.48	1.10	1.11	0.72	0.73	0.45	0.06
4						0.50	1.17	1.24	0.73	0.56	0.37	0.00
5						0.43	1.51	1.16	0.58	0.48	0.21	0.09
6						0.34	1.42	1.20	0.79	0.79	0.28	0.20
7						0.22	1.32	1.11	0.87	0.91	0.22	0.34
8						0.25	1.29	1.05	0.85	0.78	0.05	0.31
9						0.34	1.40	1.08	0.71	0.75	0.02	0.38
10						0.42	1.37	1.10	0.63	0.96	0.49	0.35
11						0.49	1.18	1.09	0.58	0.80	0.37	0.41
12						0.63	1.34	1.06	0.63	0.52	0.32	0.40
13						0.70	1.42	0.94	0.80	0.26	0.31	0.27
14						0.79	1.20	0.88	0.77	0.15	0.00	0.22
15					0.35	0.83	1.04	0.83	0.41	0.30	-0.08	0.10
16					0.47	0.79	1.00	0.70	0.31	0.28	-0.22	0.35
17					0.66	0.70	0.88	0.45	0.38	0.02	-0.17	0.53
18					0.57	0.65	0.82	0.59	0.44	-0.14	-0.25	0.49
19					0.81	0.61	0.84	0.66	0.42	-0.17	-0.22	0.42
20					0.52	0.61	0.80	0.57	0.61	-0.05	-0.05	0.42
21					0.37	0.59	0.82	0.55	0.85	-0.03	0.14	0.39
22					0.18	0.54	0.74	0.55	0.75	-0.06	0.21	0.67
23					0.12	0.62	0.68	0.64	0.57	0.10	0.40	0.54
24					0.18	0.71	0.74	0.63	0.59	0.21	0.43	0.34
25					0.31	0.79	0.74	0.85	0.44	0.35	0.54	0.44
26					0.39	0.90	0.85	0.98	0.39	0.38	0.39	0.33
27					0.48	0.99	1.02	0.82	0.42	0.60	0.52	0.33
28					0.61	0.98	1.08	0.88	0.27	0.58	0.46	0.31
29					0.68	1.11	1.25	0.79	0.34	0.45	0.31	0.14
30					0.65	1.09	0.94	0.63	0.77	0.63	0.06	0.34
31					0.59		0.87	0.59		0.67		0.41
Meðaltal						0.64	1.07	0.86	0.59	0.41	0.23	0.32
Hámark						1.13	1.52	1.30	1.18	1.30	0.99	1.01
Dagur klst						29 23	13 20	10 19	21 18	07 07	01 15	23 09
Lágmark						0.16	0.60	0.35	0.03	-0.19	-0.26	-0.03
Dagur klst						08 11	25 14	18 08	29 06	18 11	16 23	05 02

á = áætlun, N = almenn athugasemd

Meðalvatnshæð ársins var , hámarksvatnshæð þess , lágmarksvatnshæð

Samkvæmt gagnabanka Vatnamælinga Orkustofnunar 1999.02.09 (réttur áskilinn til endurskoðunar)

## Jökulsárlón; Breiðamerkursandi

Vatnshæð er í m

	Jan	Feb	Mar	Apr	Maí	Jún	Júl	Ágú	Sep	Okt	Nóv	Des
1	0.49	0.46	0.64	1.88	0.46	0.82	0.55	0.88	0.54	0.86	0.43	1.25
2	0.57	0.66	0.62	1.86	0.43	0.88	0.55	0.84	0.36	0.68	0.45	1.08
3	0.77	0.40	0.66	1.85	0.49	0.93	0.61	0.76	0.21	0.45	0.50	0.89
4	0.59	0.40	0.94	1.85	0.70	0.82	0.63	0.64	0.06	0.14	0.46	0.84
5	0.38	0.47	1.00	1.86	0.81	0.89	0.65	0.46	0.08	0.00	0.57	0.68
6	0.57	0.69	0.92	1.85	0.88	0.95	0.62	0.34	0.47	0.07	0.19	0.63
7	0.47	0.66	0.79	1.84	0.88	0.94	0.59	0.24	0.42	0.27	-0.12	0.56
8	0.29	0.84	0.85	1.86	0.85	0.89	0.65	0.14	0.33	0.35	0.21	0.75
9	0.40	0.89	1.10	1.88	0.86	1.06	0.62	0.31	0.32	0.25	0.31	0.88
10	0.53	0.62	1.15	1.90	0.88	1.01	0.55	0.40	0.23	0.41	0.28	1.07
11	0.36	0.38	1.13	1.92	0.91	0.82	0.45	0.43	0.23	0.27	0.19	1.01
12	0.29	0.83	1.09	1.92	1.01	0.85	0.54	0.51	0.38	0.28	0.13	0.92
13	0.38	0.53	1.05	1.90	1.12	0.92	0.63	0.48	0.34	0.23	0.04	0.96
14	0.29	0.34	1.02	1.88	1.23	0.84	0.78	0.76	0.32	0.14	0.14	1.03
15	0.20	0.34	1.02	1.87	1.19	0.76	0.78	1.00	0.29	0.10	0.47	0.97
16	0.13	0.27	1.03	1.85	1.19	0.83	0.74	0.88	0.17	0.23	0.52	0.87
17	0.17	0.40	1.25	1.88	1.23	0.80	0.85	0.82	0.56	0.19	0.32	0.86
18	0.26	0.46	1.42	1.86	1.24	0.85	0.91	0.91	0.36	0.07	0.13	0.99
19	0.34	0.79	1.52	1.85	1.22	0.95	0.94	0.77	0.50	0.04	0.09	1.01
20	0.53	0.85	1.60	1.94	1.19	1.04	0.90	1.10	0.69	0.00	0.00	1.16
21	0.80	0.88	1.73	2.01	1.22	0.77	0.86	1.08	0.39	-0.03	-0.09	1.41
22	0.84	0.84	1.79	2.03	1.17	0.66	0.50	0.85	0.30	0.11	0.14	1.72
23	1.13	0.97	1.84	2.15	1.22	0.54	0.46	0.87	0.33	0.19	0.62	1.85
24	0.94	0.55	1.88	2.28	1.30	0.40	0.52	0.58	0.23	0.14	1.20	1.68
25	0.55	0.55	1.88	2.40	1.39	0.23	0.49	0.37	0.31	0.14	1.26	1.50
26	0.40	0.41	1.89	2.28	1.35	0.33	0.64	0.45	0.52	0.24	1.00	1.56
27	0.43	0.42	1.90	0.80	1.39	0.38	0.64	0.47	0.80	0.31	0.94	1.68
28	0.31	0.47	1.92	0.33	1.39	0.41	0.72	0.54	0.85	0.32	0.90	1.74
29	0.20	0.60	1.94	0.26	0.82	0.44	0.89	0.67	0.97	0.31	1.37	1.76
30	0.35		1.92	0.49	0.68	0.52	0.78	0.71	0.83	0.28	1.29	1.72
31	0.44		1.90		0.67		0.74	0.73		0.44		1.71
Meðaltal	0.46	0.59	1.34	1.75	1.01	0.75	0.67	0.64	0.41	0.24	0.46	1.19
Hámark	1.35	1.16	1.94	2.47	1.44	1.09	1.13	1.19	1.22	1.01	1.82	1.89
Dagur klst	23 21	20 09	29 17	26 18	28 20	10 02	29 19	21 12	29 08	01 10	25 08	23 11
Lágmark	0.04	0.21	0.55	0.25	0.33	0.14	0.22	0.00	-0.22	-0.25	-0.22	0.55
Dagur klst	12 20	12 08	03 15	29 14	03 15	26 10	02 16	09 11	05 09	19 07	14 04	08 01

á = áætlun, N = almenn athugasemd

Meðalvatnshæð ársins var 0.79, hámarksvatnshæð þess 2.47, lágmarksvatnshæð -0.25

Samkvæmt gagnabanka Vatnamælinga Orkustofnunar 1999.02.09 (réttur áskilinn til endurskoðunar)

## Jökulsárlón; Breiðamerkursandi

Vatnshæðer í m

	Jan	Feb	Mar	Apr	Maí	Jún	Júl	Ágú	Sep	Okt	Nóv	Des
1	1.08	0.94	1.21	1.47	1.66	á 1.87	0.85	0.68	0.72	0.74	0.64	1.34
2	1.18	0.84	1.17	1.25	1.53	á 1.89	0.85	0.66	0.60	0.73	0.70	1.02
3	1.62	0.76	1.15	1.23	1.46	á 1.93	0.79	0.69	0.52	0.64	0.92	1.06
4	2.00	0.86	1.15	1.48	1.55	á 1.98	0.73	0.66	0.60	0.59	1.19	0.90
5	1.37	0.81	1.16	1.74	1.54	2.01	0.69	0.70	0.55	0.35	1.05	0.81
6	0.48	0.80	1.24	1.63	1.55	1.66	0.76	0.75	0.57	0.27	1.07	0.90
7	0.59	0.82	1.42	1.27	1.55	1.42	0.72	0.72	0.46	0.17	0.99	0.86
8	0.87	0.85	1.57	1.49	1.60	1.34	0.63	0.71	0.44	0.19	1.26	0.83
9	1.08	0.88	1.68	1.59	1.68	1.26	0.66	0.62	0.42	0.17	0.99	0.94
10	1.34	0.92	1.77	1.54	1.71	1.07	0.56	0.48	0.49	0.14	0.73	1.00
11	1.17	0.98	1.96	1.45	1.81	0.95	0.53	0.43	0.57	0.14	0.61	0.94
12	0.84	1.06	2.28	1.37	1.88	0.82	0.38	0.40	0.45	0.22	0.59	1.03
13	0.64	1.10	1.42	1.44	1.75	0.77	0.24	0.45	0.43	0.33	0.55	1.21
14	0.55	1.08	0.92	1.44	1.62	0.74	0.28	0.44	0.42	0.42	0.52	1.44
15	0.56	1.05	0.73	1.37	1.52	0.78	0.23	0.42	0.47	0.47	1.00	1.08
16	0.47	1.05	0.99	1.29	1.42	0.79	0.40	0.43	0.59	0.47	0.96	0.58
17	0.37	1.07	1.28	1.18	1.36	0.78	0.38	0.51	0.53	0.57	1.03	0.43
18	0.43	1.09	1.53	1.10	1.34	0.80	0.47	1.00	0.73	0.60	0.96	0.76
19	0.47	1.12	1.80	1.09	1.64	0.90	0.70	0.96	1.10	0.53	0.77	0.59
20	0.71	1.08	2.05	1.25	1.90	0.91	0.80	0.96	0.92	0.29	0.97	0.56
21	0.92	1.05	2.28	1.38	1.95	0.90	0.86	0.83	0.73	0.34	1.10	0.49
22	1.07	1.03	2.40	1.49	2.01	0.88	0.77	0.68	0.57	0.49	0.89	0.38
23	1.17	1.08	2.50	1.59	2.00	0.75	0.76	0.58	0.73	0.43	0.84	0.26
24	1.26	1.18	2.57	1.68	1.90	0.67	0.81	0.48	0.42	0.22	0.90	0.06
25	1.36	1.21	1.83	1.75	1.83	0.94	0.82	0.43	0.22	0.20	0.88	0.04
26	1.46	1.22	1.12	1.93	1.83	0.90	0.75	0.37	0.30	0.40	0.94	0.28
27	1.57	1.22	0.95	2.02	1.82	0.60	0.66	0.41	0.51	0.53	1.29	0.44
28	1.70	1.21	1.01	2.09	1.80	0.58	0.49	0.56	0.48	0.52	1.27	0.76
29	1.88		1.30	1.96	á 1.83	0.63	0.43	0.56	0.47	0.64	1.60	0.86
30	1.28		1.81	1.79	á 1.85	0.69	0.40	0.56	0.66	0.56	1.62	0.88
31	1.07		1.79		á 1.85		0.62	0.59		0.56		0.71
Meðaltal	1.05	1.01	1.55	1.51	1.70	1.07	0.61	0.60	0.56	0.42	0.96	0.76
Hámark	2.08	1.23	2.61	2.11			1.07	1.27	1.37	1.03	1.88	1.74
Dagur klst	05 08	26 22	25 10	28 23			02 18	18 19	19 21	02 08	30 09	15 08
Lágmark	0.34	0.72	0.66	1.05			0.08	0.19	0.06	-0.04	0.42	0.03
Dagur klst	15 07	04 17	15 21	19 13			14 09	12 08	26 12	08 07	15 03	26 01

á = áætlun, N = almenn athugasemd

Meðalvatnshæð ársins var 0.98, hámarksvatnshæð þess , lágmarksvatnshæð

Samkvæmt gagnabanka Vatnamælinga Orkustofnunar 1999.02.09 (réttur áskilinn til endurskoðunar)

## Jökulsárlón; Breiðamerkursandi

Vatnshæð er í m

	Jan	Feb	Mar	Apr	Maí	Jún	Júl	Ágú	Sep	Okt	Nóv	Des
1	0.60	2.07	0.77	0.95				1.41	0.50	á 0.21	0.27	1.17
2	0.72	2.22	0.88	0.70				1.10	0.87	á 0.21	0.43	1.13
3	0.80	2.35	0.75	0.57				1.08	0.96	á 0.21	0.60	1.71
4	0.61	2.48	0.66	0.52				0.97	1.14	á 0.21	0.58	1.39
5	0.48	2.69	0.58	0.39				1.08	1.16	0.40	0.53	1.27
6	0.27	2.94	0.47	0.36				1.24	1.27	0.81	0.65	0.94
7	0.17	3.12	0.48	0.33				1.38	1.12	0.85	0.57	1.47
8	0.28	0.90	0.57	0.39			1.08	1.42	0.95	0.69	0.53	0.98
9	0.52	0.46	0.58	0.40				1.12	1.24	0.93	0.81	0.73
10	0.90	0.40	0.57	0.44				1.19	1.28	0.89	0.64	0.52
11	1.14	0.69	0.77	0.53			1.19	1.09	0.61	0.38	0.32	0.35
12	1.10	0.68	0.81	0.53			1.10	0.92	0.43	0.38	0.41	0.23
13	0.92	0.57	0.81	0.45			1.14	0.77	0.26	0.35	0.60	0.22
14	0.75	0.66	0.81	0.48			1.10	0.71	0.22	0.27	0.70	á 0.59
15	0.60	0.66	0.76	0.59			1.07	0.76	á 0.23	0.22	0.53	0.55
16	0.49	0.59	0.69	0.63			1.11	0.71	0.29	0.23	0.48	0.62
17	0.49	0.64	0.55				1.00	0.69	0.47	á 0.51	0.45	0.96
18	0.61	0.73	0.48				0.98	0.80	0.60	0.71	0.57	1.15
19	0.77	0.80	0.38				0.84	0.86	0.69	0.79	0.86	1.01
20	0.89	0.73	0.29				0.90	1.03	0.64	0.77	0.92	0.87
21	1.04	0.60	0.51				0.94	1.03	0.74	0.82	1.00	0.81
22	1.12	0.57	0.79				1.10	0.92	0.69	0.72	1.11	0.86
23	1.19	0.66	0.85				1.07	0.81	0.56	0.65	1.08	0.86
24	1.26	0.58	0.77				1.19	0.85	0.38	0.53	1.12	0.91
25	1.32	0.53	0.70				1.20	0.88	0.38	0.40	1.02	1.03
26	1.40	0.57	0.67				1.53	0.93	0.27	0.37	1.18	1.19
27	1.53	0.64	0.96				1.48	1.01	0.22	0.22	1.45	1.31
28	1.57	0.61	1.10				1.51	1.01	á 0.21	0.22	1.69	1.46
29	1.68		0.98				1.86	0.77	á 0.21	á 0.21	2.08	1.66
30	1.75		0.95				2.21	0.50	á 0.21	á 0.21	1.79	1.79
31	1.85		1.10				1.87	0.46		á 0.22		1.90
Meðaltal	0.93	1.11	0.71					0.96	0.60	0.46	0.81	1.02
Hámark	1.85	3.13	1.21					1.87	1.42	1.14	2.17	1.90
Dagur klst	31 24	07 22	28 20					01 00	06 19	07 09	30 08	31 23
Lágmark	0.14	0.31	0.27					0.43	0.22	0.22	0.23	0.22
Dagur klst	07 24	11 03	20 21					31 10	13 23	01 16	01 00	13 22
á = áætlun, N = almenn athugasemd												
Meðalvatnshæð ársins var , hámarksvatnshæð þess , lágmarksvatnshæð												
Samkvæmt gagnabanka Vatnamælinga Orkustofnunar 1999.02.09 (réttur áskilinn til endurskoðunar)												

## Jökulsárlón; Breiðamerkursandi

Vatnshæðer í m

	Jan	Feb	Mar	Apr	Mai	Jún	Júl	Ágú	Sep	Okt	Nóv	Des
1	2.01											0.41
2	2.10											1.26
3	1.88											1.15
4	1.38											0.75
5	1.38											1.16
6	1.56											0.95
7	1.80											1.00
8	1.89											0.73
9	1.66											0.61
10											0.31	0.50
11											0.15	0.52
12											0.18	0.39
13											0.23	0.25
14											0.12	0.20
15											0.03	0.20
16											0.00	0.14
17											-0.06	0.09
18											-0.10	0.03
19											-0.06	-0.01
20											0.13	0.03
21											0.46	0.17
22											0.53	0.24
23											0.42	0.29
24											0.35	0.28
25											0.40	0.30
26											0.34	0.26
27											0.25	0.22
28											0.14	0.27
29											-0.01	0.20
30											0.13	0.25
31												0.25
Meðaltal												0.42
Hámark												1.46
Dagur klst												03 05
Lágmark												-0.04
Dagur klst												28 07

á = áætlun, N = almenn athugasemd

Meðalvatnshæð ársins var , hámarksvatnshæð þess , lágmarksvatnshæð

Samkvæmt gagnabanka Vatnamælinga Orkustofnunar 1999.02.09 (réttur áskilinn til endurskoðunar)

## Jökulsárlón; Breiðamerkursandi

Vatnshæð er í m

	Jan	Feb	Mar	Apr	Mai	Jún	Júl	Ágú	Sep	Okt	Nóv	Des
1	0.40	0.08	0.76	0.24	0.20	1.09	1.06	1.27	1.20	0.70	0.52	0.66
2	0.48	0.12	0.79	0.29	0.27	0.96	1.05	1.18	1.06	0.80	0.33	0.45
3	0.53	0.19	0.87	0.38	0.31	0.83	1.07	1.16	0.75	0.83	0.28	0.25
4	0.66	0.57	0.97	0.54	0.38	0.88	1.08	1.07	0.66	0.62	0.22	0.05
5	0.70	0.78	1.06	0.60	0.38	0.81	1.05	1.22	0.71	0.40	0.20	0.01
6	0.81	0.80	1.17	0.59	0.42	0.66	0.93	1.10	0.67	0.61	0.24	0.05
7	1.04	0.71	1.31	0.66	0.32	0.71	0.78	1.06	0.74	0.67	0.24	0.14
8	1.16	0.61	1.24	0.94	0.25	0.72	0.60	1.07	0.68	0.62	0.20	0.29
9	1.21	0.58	0.97	1.01	0.22	0.62	0.53	0.98	0.77	0.59	0.20	0.27
10	1.41	0.70	0.96	1.16	0.18	0.63	0.75	0.88	0.88	0.46	0.29	0.24
11	1.28	0.69	1.04	1.45	0.12	0.67	0.89	0.88	1.11	0.55	0.26	0.20
12	1.16	0.45	0.92	1.53	0.12	0.64	0.92	1.01	1.22	0.52	0.30	0.19
13	1.14	0.40	0.72	1.40	0.20	0.59	1.17	1.04	1.18	0.47	0.38	0.37
14	1.11	0.38	0.62	0.89	0.21	0.73	1.11	1.03	0.92	0.91	0.40	0.59
15	1.09	0.49	0.79	0.82	0.27	0.78	1.07	1.25	0.98	0.96	0.41	0.45
16	1.05	0.68	0.71	0.86	0.33	0.92	1.08	1.42	1.20	1.05	0.27	0.43
17	1.13	0.92	0.63	0.78	0.44	0.94	1.21	1.41	1.53	1.22	0.17	0.41
18	1.17	1.10	0.65	0.73	0.52	0.91	1.09	1.40	1.87	1.14	0.16	0.29
19	1.19	0.98	0.64	0.66	0.49	0.89	1.12	1.58	1.97	0.92	0.12	0.21
20	1.24	0.88	0.63	0.59	0.51	0.86	0.98	1.79	1.57	0.98	0.09	0.10
21	1.07	0.84	0.64	0.46	0.49	0.89	0.87	1.74	1.37	0.90	0.09	0.03
22	0.88	0.94	0.68	0.38	0.49	1.00	0.88	1.40	1.27	0.65	0.13	0.04
23	0.84	0.98	0.63	0.41	0.48	1.05	0.96	0.91	1.45	1.08	0.12	0.08
24	0.75	0.83	0.46	0.36	0.48	1.02	0.99	0.74	1.88	1.62	0.13	0.16
25	0.56	0.79	0.33	0.31	0.40	1.02	0.97	0.59	1.94	1.34	0.16	0.27
26	0.39	0.78	0.28	0.24	0.33	0.95	0.94	0.59	1.56	1.20	0.18	0.31
27	0.25	0.78	0.21	0.13	0.29	0.88	0.92	0.73	1.49	0.97	0.56	0.18
28	0.14	0.75	0.17	0.10	0.57	0.89	0.95	0.83	1.27	0.85	0.88	0.24
29	0.16	0.75	0.14	0.16	0.72	0.92	1.04	1.05	1.04	0.80	0.76	0.25
30	0.08		0.16	0.19	0.74	0.98	1.35	1.05	0.88	0.67	0.65	0.15
31	0.04		0.20		0.92		1.35	1.07		0.55		0.09
Meðaltal	0.81	0.67	0.69	0.63	0.39	0.85	0.99	1.11	1.19	0.83	0.30	0.24
Hámark	1.45	1.11	1.36	1.56	0.96	1.14	1.46	1.80	2.02		1.21	0.83
Dagur klst	10 08	19 05	08 07	13 02	31 20	01 19	31 20	21 01	19 13		29 10	01 11
Lágmark	0.04	0.04	0.14	0.10	0.06	0.49	0.51	0.43	0.59		-0.04	-0.03
Dagur klst	31 24	01 00	30 00	29 00	09 20	07 17	10 09	26 13	04 18		18 08	31 20

á = áætlun, N = almenn athugasemd

Meðalvatnshæð ársins var 0.73, hámarksvatnshæð þess , lágmarksvatnshæð

Samkvæmt gagnabanka Vatnamælinga Orkustofnunar 1999.02.09 (réttur áskilinn til endurskoðunar)



## Jökulsárlón; Breiðamerkursandi

Vatnshæð er í m

	Jan	Feb	Mar	Apr	Maí	Jún	Júl	Ágú	Sep	Okt	Nóv	Des
1	0.02	0.27	0.81	1.63	0.27	0.18	0.83	1.54	1.17	0.93	0.30	0.29
2	-0.07	0.17	0.68	1.68	0.16	0.31	0.85	1.68	1.29	0.71	0.38	0.29
3	-0.15	0.30	0.59	1.70	0.11	0.63	0.95	1.54	1.44	0.88	0.51	0.22
4	-0.13	0.25	0.85	1.75	0.20	0.88	1.03	1.18	1.63	0.66	0.37	0.28
5	-0.14	0.32	0.98	1.77	0.21	0.89	1.03	1.19	1.46	0.62	0.36	0.36
6	-0.09	0.40	1.24	1.80	0.29	0.85	1.07	1.38	1.39	0.70	0.37	0.59
7	0.01	0.46	1.50	1.90	0.34	0.88	0.91	1.44	1.59	0.63	0.38	0.51
8	0.17	0.57	1.89	2.01	0.42	0.89	0.91	1.22	1.80	0.60	0.30	0.36
9	0.29	0.67	2.13	2.03	0.33	0.81	0.77	0.99	1.54	0.43	0.15	0.27
10	0.33	0.90	2.33	2.12	0.35	0.78	0.67	0.75	0.92	0.21	0.12	0.24
11	0.59	0.74	2.24	2.16	0.40	0.61	0.76	0.63	0.40	0.11	0.07	0.14
12	0.72	0.57	0.93	2.21	0.30	0.47	0.95	0.67	0.25	0.07	0.09	0.25
13	0.70	0.56	0.43	1.36	0.18	0.40	1.03	0.86	0.22	0.07	0.21	0.16
14	0.88	0.52	0.38	0.31	-0.02	0.36	1.07	1.17	0.35	0.22	0.30	0.35
15	0.45	0.29	0.23	0.02	-0.10	0.40	1.01	1.32	0.70	0.40	0.55	0.57
16	0.37	0.52	0.20	-0.04	-0.08	0.36	0.98	1.74	0.67	0.49	0.78	0.63
17	0.26	0.70	0.33	-0.15	-0.06	0.37	1.03	2.25	0.62	0.58	0.70	0.66
18	0.11	0.65	0.35	-0.14	-0.02	0.78	1.17	2.37	0.49	0.55	0.86	0.85
19	-0.06	0.62	0.30	-0.03	0.07	0.90	1.31	1.74	0.52	0.35	0.89	0.76
20	0.15	0.65	0.26	0.09	0.11	0.89	1.33	1.59	0.64	0.25	0.85	0.63
21	0.25	0.61	0.40	0.09	0.13	0.93	1.40	1.75	0.53	0.28	0.81	0.49
22	0.30	0.57	0.44	0.22	0.21	0.93	1.33	1.55	0.42	0.15	0.98	0.50
23	0.48	0.56	0.51	0.35	0.28	1.07	1.33	1.18	0.40	0.00	0.92	0.63
24	0.68	0.61	0.69	0.31	0.35	0.99	1.33	0.97	0.59	-0.07	0.75	0.79
25	0.77	0.59	0.96	0.29	0.45	0.85	1.35	0.83	0.63	-0.08	0.79	0.63
26	0.53	0.49	1.16	0.37	0.40	0.72	1.14	0.75	0.64	-0.07	0.85	0.53
27	0.44	0.71	1.25	0.51	0.32	0.70	1.03	0.89	0.62	-0.10	0.77	0.40
28	0.30	0.87	1.32	0.55	0.33	0.83	0.94	1.05	1.36	0.00	0.59	0.39
29	0.33		1.42	0.63	0.32	0.83	1.10	1.14	1.46	0.19	0.44	0.36
30	0.17		1.50	0.43	0.21	0.83	1.37	0.91	1.17	0.25	0.38	1.07
31	0.02		1.58		0.12		1.28	0.86		0.35		0.96
Meðaltal	0.28	0.54	0.96	0.93	0.21	0.71	1.07	1.26	0.90	0.33	0.53	0.49
Hámark	0.94	1.17	2.41	2.22	0.54	1.14	1.42	2.40	1.88	1.17	1.19	1.34
Dagur klst	12 10	10 10	11 15	13 03	08 21	22 23	21 21	18 21	08 14	01 00	19 09	30 19
Lágmark	-0.19	-0.08	0.13	-0.15	-0.15	0.12	0.59	0.59	0.14	-0.17	0.03	0.05
Dagur klst	03 23	01 08	15 21	19 01	15 21	01 00	10 16	12 08	13 12	25 10	10 10	04 05

á = áætlun, N = almenn athugasemd

Meðalvatnshæð ársins var 0.69, hámarksvatnshæð þess 2.41, lágmarksvatnshæð -0.19

Samkvæmt gagnabanka Vatnamælinga Orkustofnunar 1999.02.09 (réttur áskilinn til endurskoðunar)

## Jökulsárlón; Breiðamerkursandi

Vatnshæð er í m

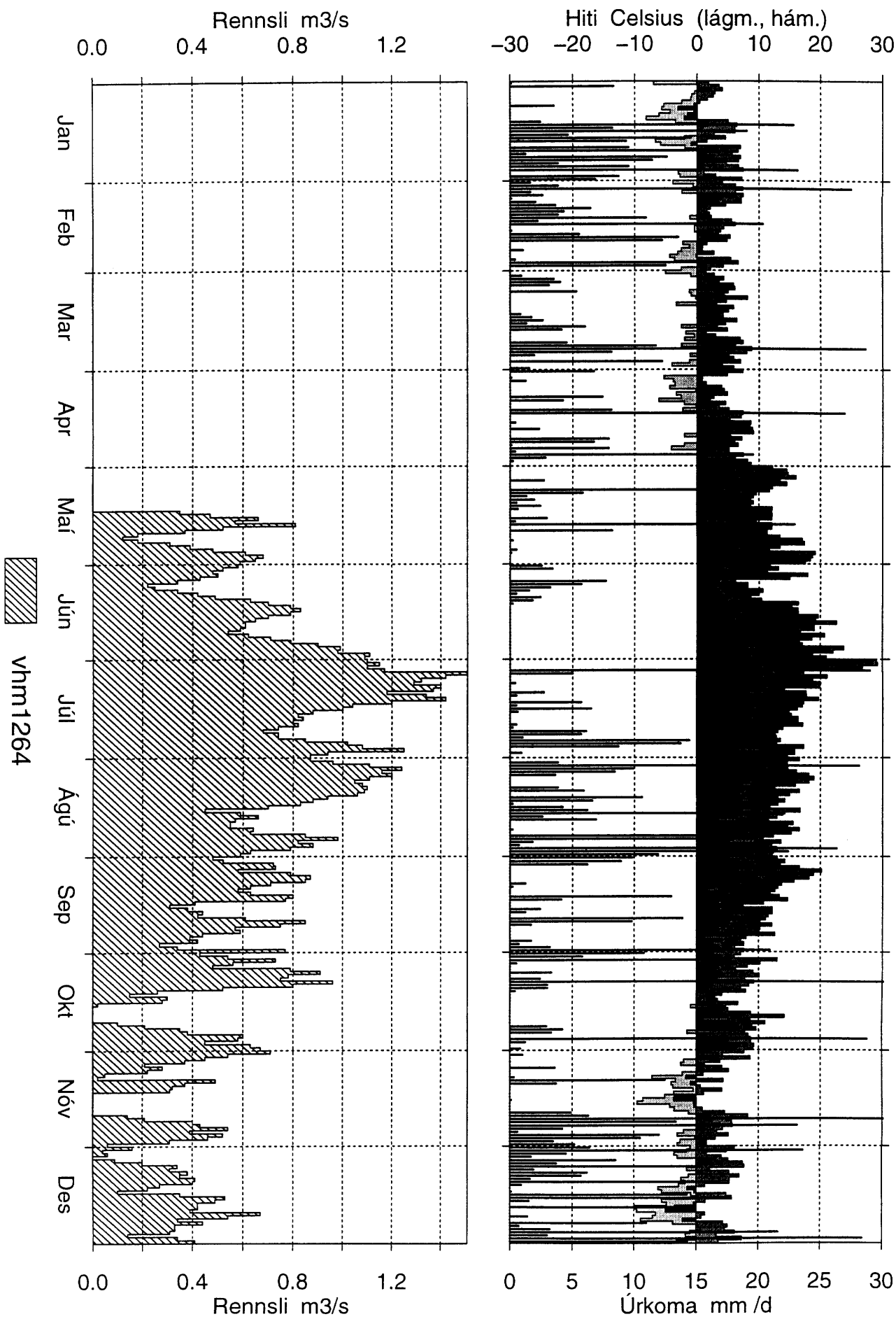
	Jan	Feb	Mar	Apr	Maí	Jún	Júl	Ágú	Sep	Okt	Nóv	Des
1	0.97	0.29	0.55					1.57	2.10			
2	1.20	0.29	0.49					1.83	2.25			
3	0.95	0.32	0.66					1.93				
4	0.92	0.28	0.45					1.94				
5	0.67	0.33						1.82				
6	0.50	0.16						1.78				
7	0.50	0.13						1.81				
8	0.34	0.29						1.77				
9	0.42	0.29						2.08				
10	0.49	0.32						2.26				
11	0.50	0.33						2.37				
12	0.87	0.29						2.30				
13	0.72	0.38						2.57				
14	0.58	0.38						2.30				
15	0.48	0.35						1.88				
16	0.37	0.33						1.61				1.71
17	0.21	0.39						1.56				1.85
18	0.18	0.33						1.48				1.56
19	0.22	0.34						1.66				1.34
20	0.55	0.22						1.76				1.26
21	0.37	0.09						1.85				1.61
22	0.14	0.00						1.75				1.84
23	-0.16	0.01						1.65				1.74
24	-0.19	0.12						1.59				1.70
25	-0.08	0.49						1.48				1.82
26	0.11	0.70					1.57	1.51				1.70
27	0.15	0.72					1.57	1.48				1.57
28	0.22	0.54					1.56	1.43				1.57
29	0.22						1.51	1.58				1.64
30	0.22						1.50	1.76				1.92
31	0.27						1.52	1.99				1.80
Meðaltal	0.42	0.31						1.82				
Hámark	1.32	0.96						2.58				
Dagur klst	02 11	27 08						13 23				
Lágmark	-0.21	-0.01						1.26				
Dagur klst	24 13	24 01						28 05				

á = áætlun, N = almenn athugasemd

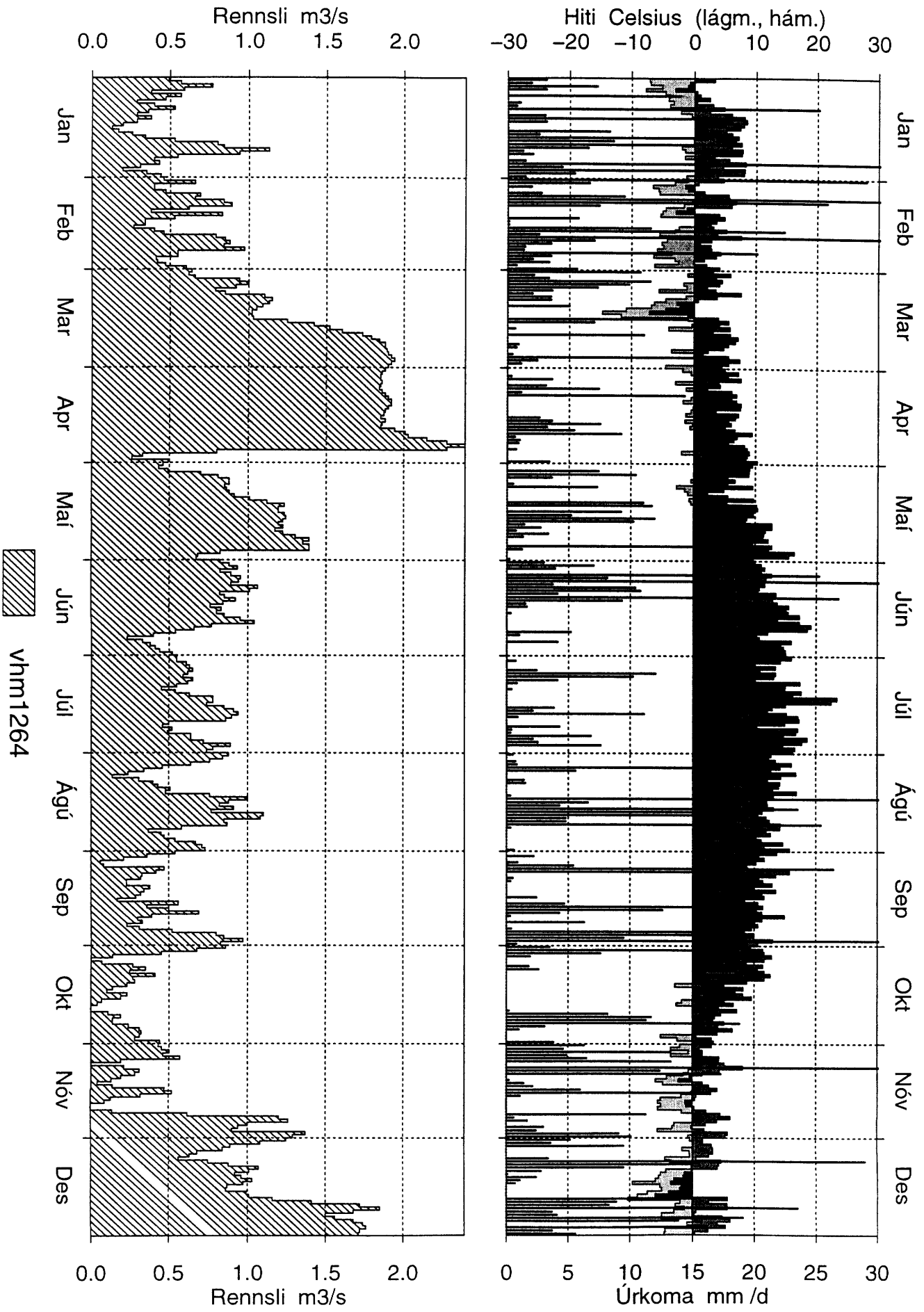
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Samkvæmt gagnabanka Vatnamælinga Orkustofnunar 1999.02.15 (réttur áskilinn til endurskoðunar)

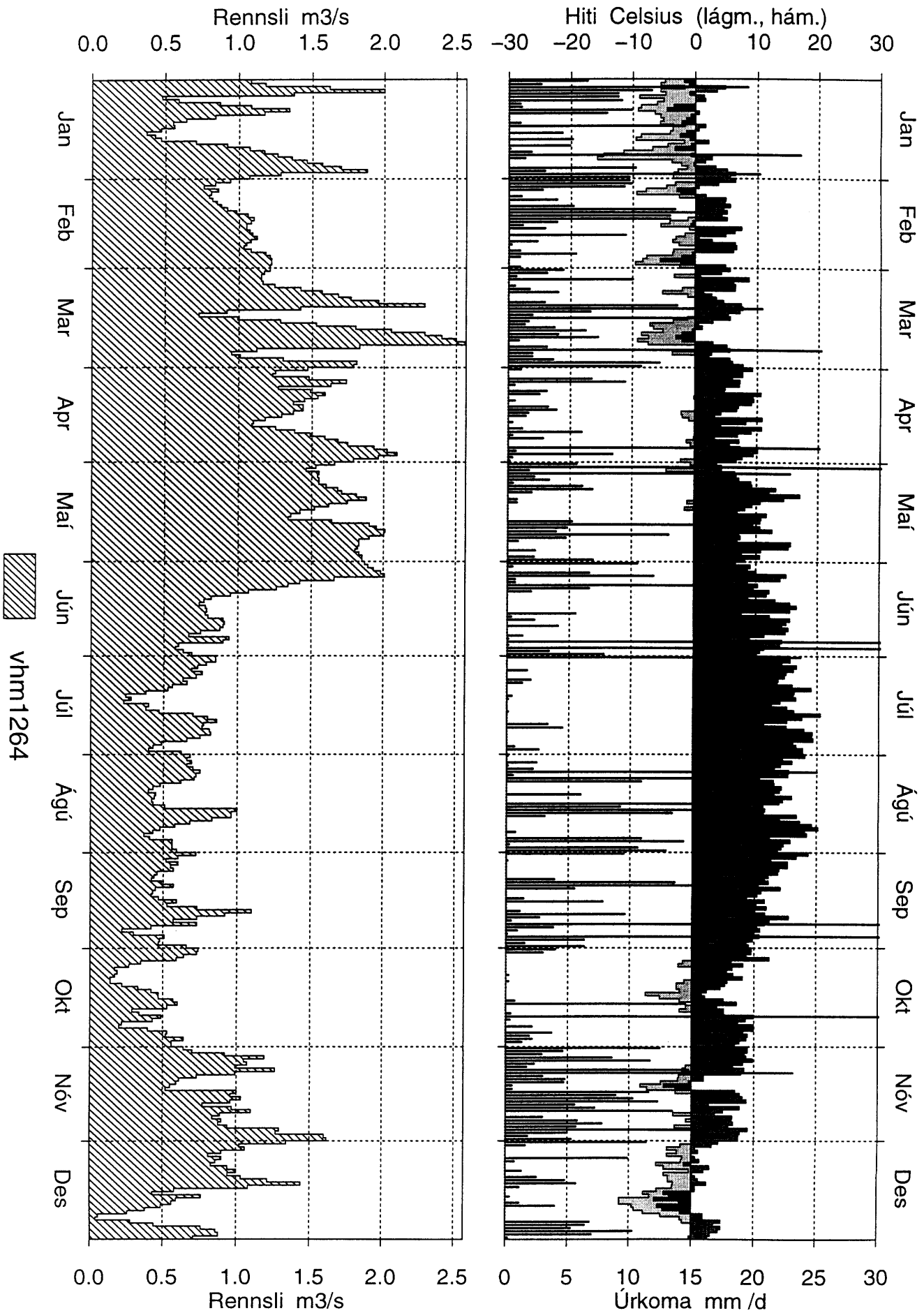
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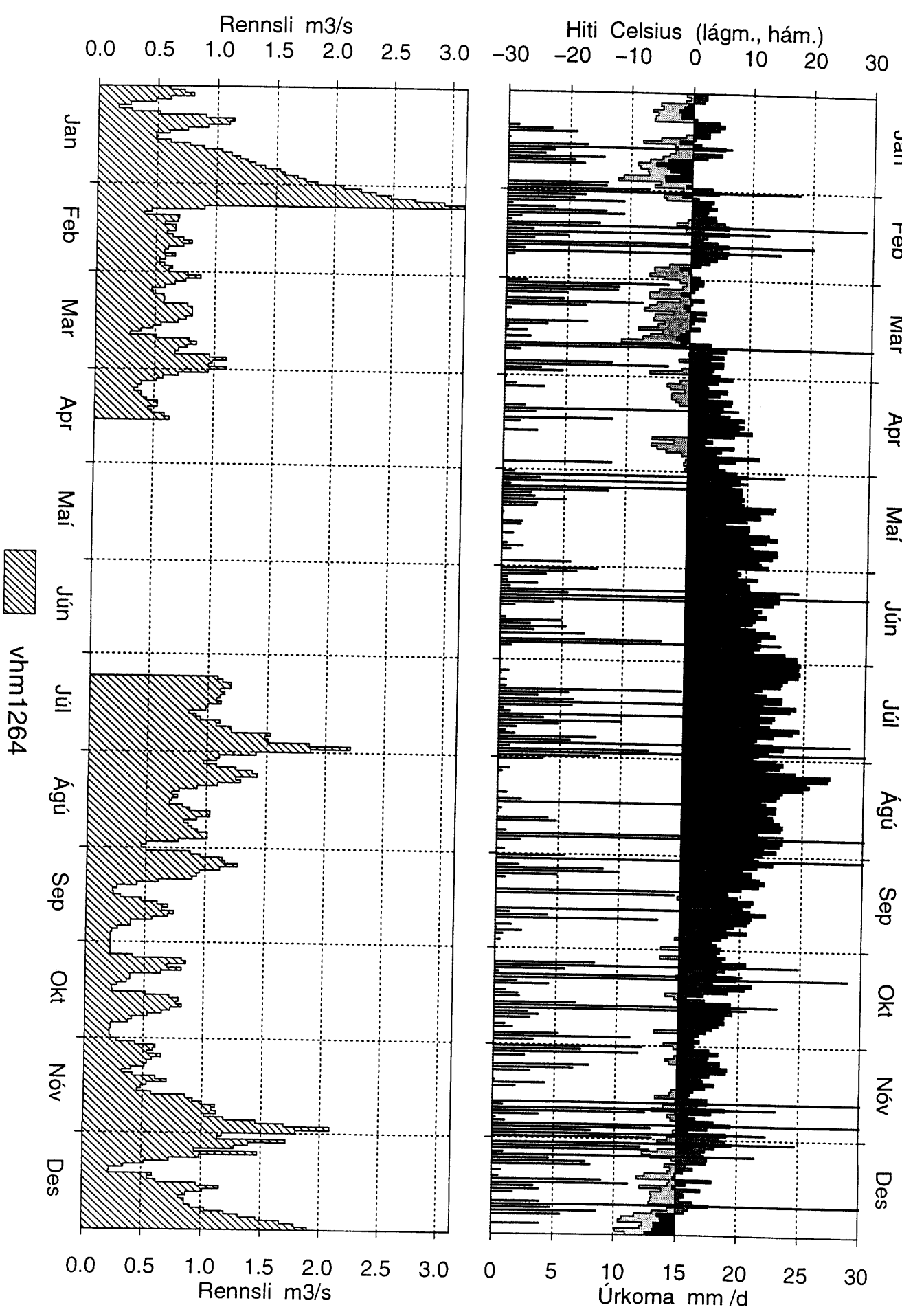
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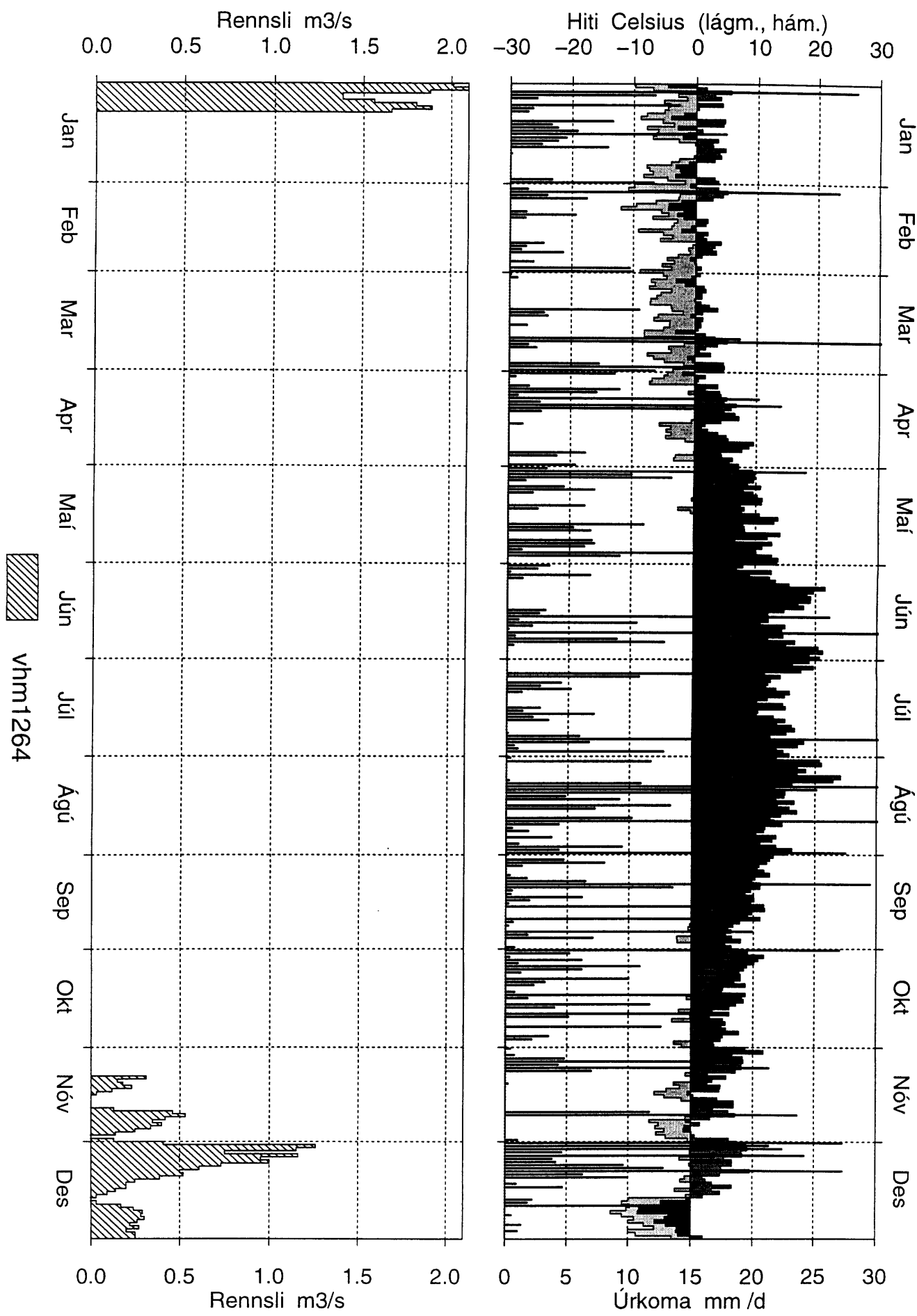
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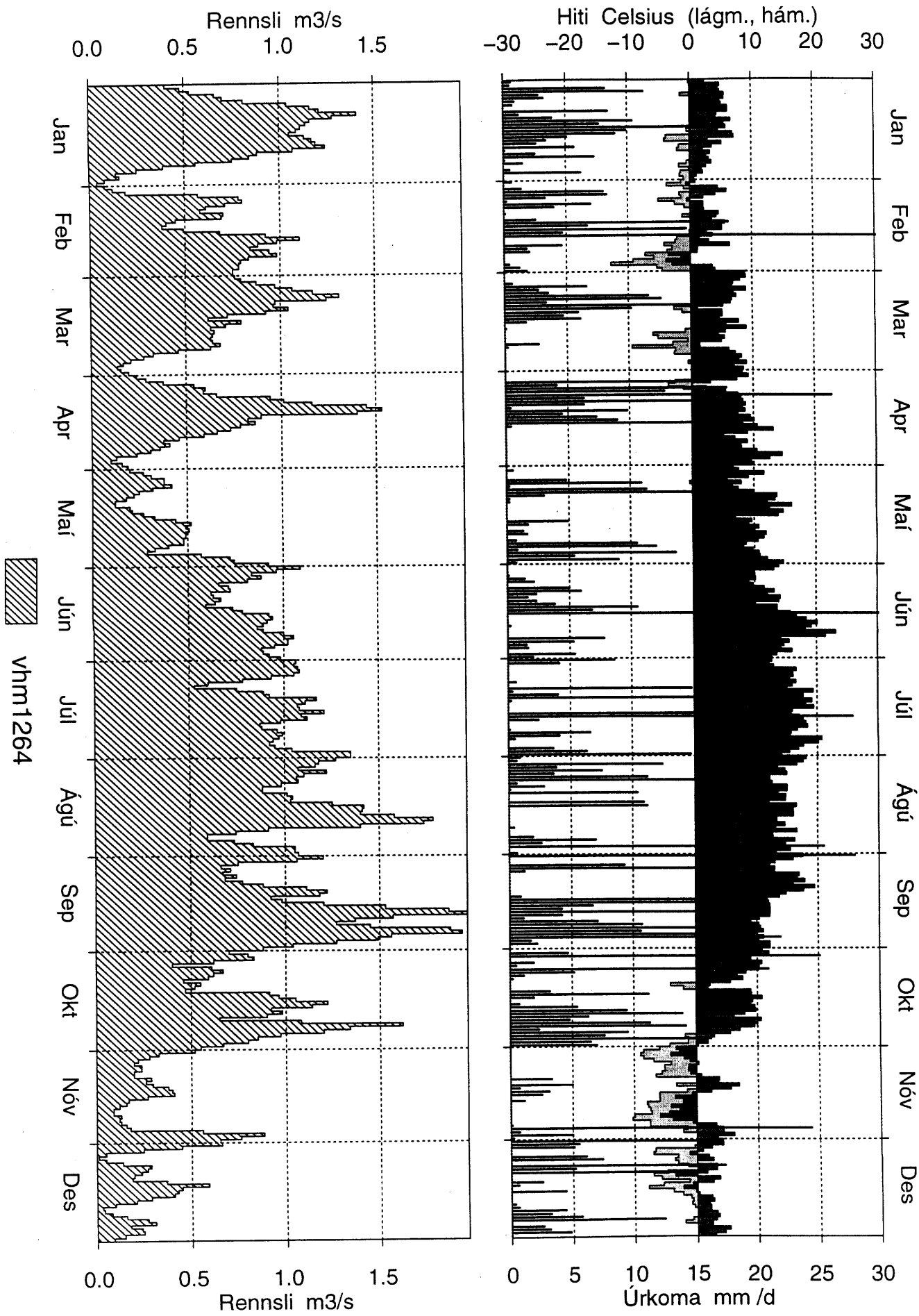
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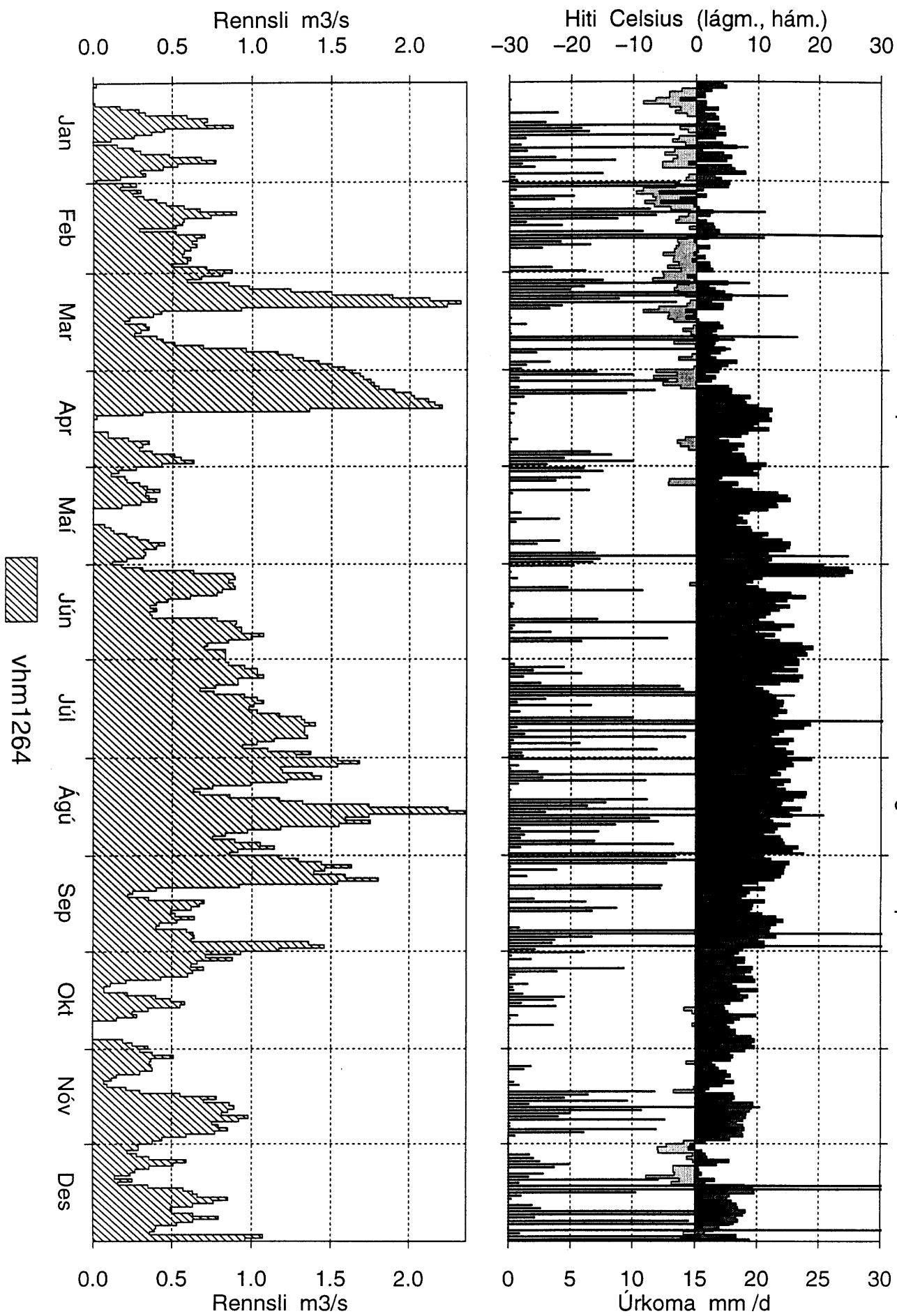


# Kirkjubæjarklaustur 1996





# Kirkjubæjarklaustur 1997



# Kirkjubæjarklaustur 1998

