



Veðurstofa Íslands Greinargerð

**Póranna Pálsdóttir
Pórður Arason**

**Vindáttir á helstu flugvöllum landsins
tímabilið 17.2. 1994 - 25.1. 1998**

**VÍ-G98006-ÚR06
Reykjavík
Janúar 1998**

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Í þessari greinargerð eru birtar vindrósir fyrir helstu flugvelli landsins. Notaðar eru athuganir sem gerðar voru á flugvöllum og hefur verið safnað síðan 17. febrúar 1994, þ.e.a.s. í tæp fjögur ár. Hér er um frumúrvinnslu að ræða og aðeins fjallað um dreifingu vindátta. Á flugvöllum eru ýmis fleiri atriði mæld eða metin þ.á.m. skýjafar, veðurhæð, hiti og loftvog. Flugmálastjórn hefur umsjón með mælitækjum á flestum flugvöllum en Keflavík og Reykjavík eru í umsjón Veðurstofunnar. Gengið er út frá að vindáttir séu réttvísandi því annars á að geta um það í veðurskeytinu.

Frá flestum flugvöllum eru send MET REPORT skeyti og þá oftast aðeins hluta úr degi. Í Reykjavík og Keflavík eru gerðar METAR athuganir, þ.e.a.s. athuganir á a.m.k. klukkutíma fresti allan sólarhringinn, og einnig nú orðið á Egilsstöðum. Frá sumum stöðum er sent SPECIAL REPORT/SPECI ef þurfa þykir og er fjöldi þeirra skeyta skráður fyrir neðan vindrósina. Einnig var talið hve mörg skeyti koma í hverjum mánuði og á hvaða klukkustund og eru niðurstöður sýndar á stöplaritum neðan við hverja vindrós. Klukkustundum var skipt á heilum tímum en hefði í raun átt að vera einhvers staðar þar á milli, en það verður að bíða betri tíma. Skeytum þar sem leiðrétting (CORR) var send er sleppt en það kom aðeins fyrir í Reykjavík og Keflavík.

Í Keflavík var athugað á ½ klukkustundar fresti og er því fjöldi athugana þar mikill, u.þ.b. 68 þúsund. Í þessari úrvinnslu eru athuganir á heila tímanum notaðar fyrir Keflavík til samanburðar við Reykjavík en þar er athugað á heilum tíma. Næst flestar voru athuganir í Reykjavík, rúmlega 34 þús.

Vindrós var gerð fyrir þá flugvelli sem hafa yfir 1000 athuganir. Fyrir alla staði var fundin dreifing vindátta á ársgrundvelli og fyrir aðalvellina Keflavík, Reykjavík, Egilsstaði, Akureyri, Vestmannaeyjar, Ísafjörð og Hornafjörð var dreifing vindátta einnig athuguð fyrir sumarmánuðina júní til ágúst. Á þessum stöðum var fjöldi athugana yfir 14 þúsund. Uppröðun vindrósanna fer eftir heildarfjölda athuguna frá hverjum stað, þ.e.a.s. sá staður sem hefur flestar athuganir kemur fyrst. Á stöðum eins og Sauðárkróki, Húsavík, Patreksfirði, Bíldudal, Þingeyri og Holti í Öndarfirði

eru mun færri athuganir og eru þær yfirleitt gerðar á tímum þegar flug er áætlað. Á Egilsstöðum er gerður greinarmunur á tímabilunum fyrir og eftir 12.2.1996 en þá var farið að gera METAR-athuganir þar. Við úrvinnsluna þurfti að gera nokkur forrit þ.á.m. er til skeljarforritð rós sem gerir vindrós.

Í töflunni flug_metar var fjöldi athugana þ.25.1.1998 eftirfarandi:

Eink. flugv.	Fj.ath.	Staður	Eink. flugv.	Fj.ath.	Staður
BIKF	69001	Keflavík	BIHT	1118	Holt í Öndurarf.
BIRK	34455	Reykjavík	BIHK	904	
BIEG	27148	Egilsstaðir	BIBV	543	
BIAR	25170	Akureyri	BIBF	450	
BIVM	20420	Vestmannaeyjar	BIGR	434	
BIHN	15020	Hornafjörður	BITH	280	
BIIS	14891	Ísafjörður	BIKP	263	
BIKR	5750	Sauðárkrókur	BIRG	187	
BINF	3858	Norðfjörður	BISU	115	
BIHU	3772	Húsavík	BISI	26	
BIPA	2641	Patreksfjörður	BIBK	1	
BIBD	2426	Bíldudalur	BIBL	1	
BITE	1864	Pingeyri	BIVW	1	
BIVO	1537	Vopnafjörður			

Niðurstöður:

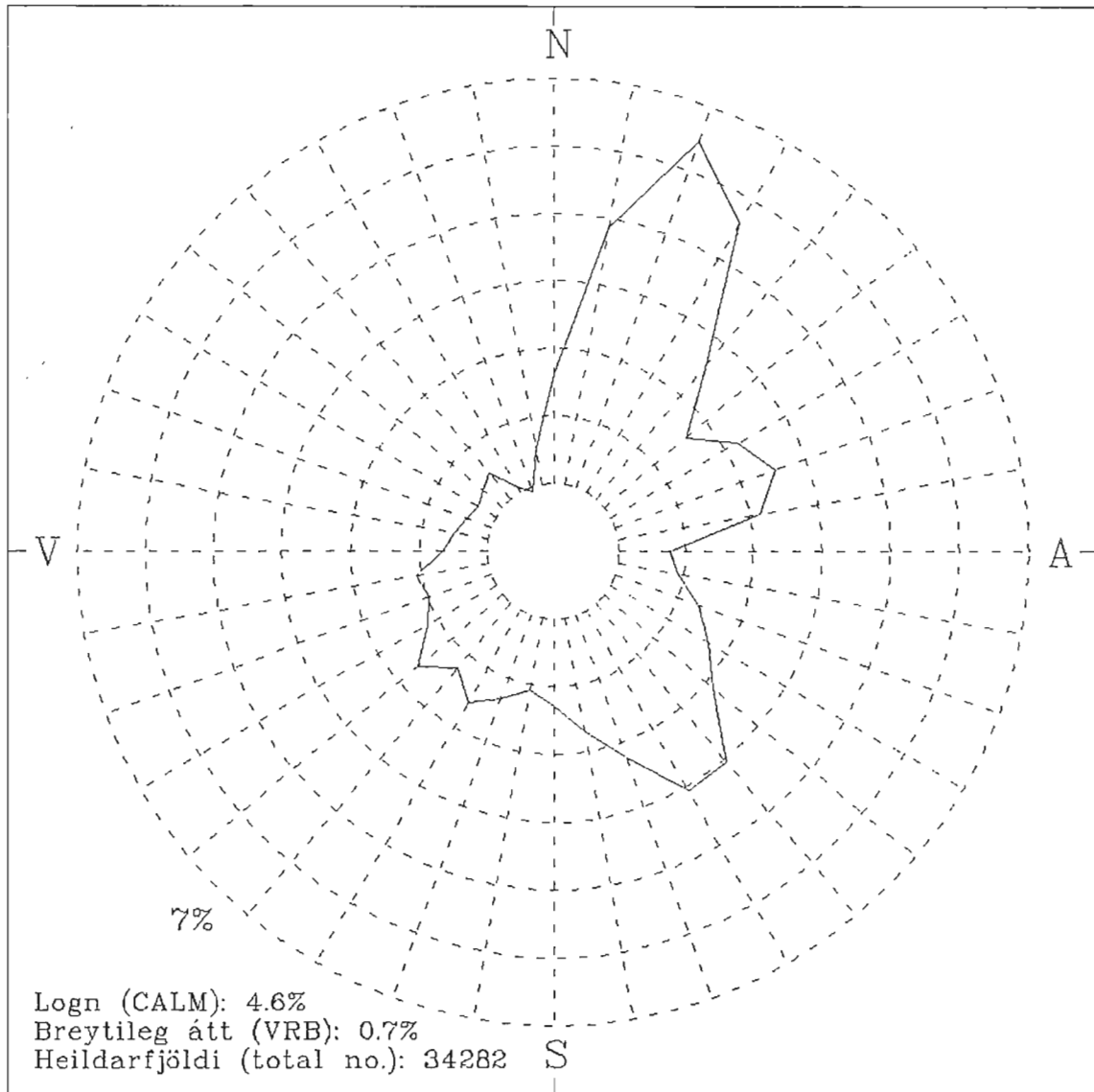
Hér verður ekki fjallað um hverja vindrós fyrir sig, þær skýra sig sjálfar. Eins og við var að búast laga vindáttirnar sig í ríku mæli að landslagi. Helstu atriði sem vert er að nefna eru:

1. Áhrif hafgolu eru mikil að sumarlagi t.d. á Akureyri, í Reykjavík, á Sauðarkróki og á Höfn en minni á öðrum stöðum og nánast engin inn í landi t.d. á Egilsstöðum.
2. Áhugaverð er breyting á tíðni norðanáttu (einkum 350°) á Egilsstöðum fyrir og eftir 12.2.1996.
3. Vert er að benda á litlu flugvellina Bíldudal, Pingeyri, Vopnafjörð og Holt í Öndurarfirði. Á þeim eru flestar athuganir (50% eða jafnvel meir) gerðar milli klukkan 8 og 9 og lýsir vindrósinn aðallega vindáttum á morgnana jafnvel áður en hafgolu leggur inn. Logn taldist í um 30% tilvika á Patreksfirði, Bíldudal og Vopnafirði og hefur athugunartíminn mikil áhrif þar, en erfiðara er að rökstyðja lognið á Norðfirði, sem var 44 %.

27. janúar 1997

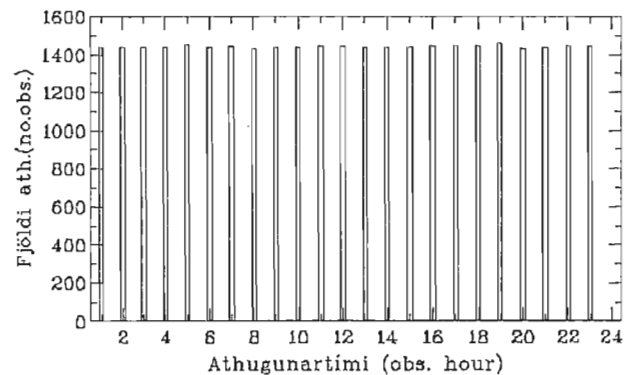
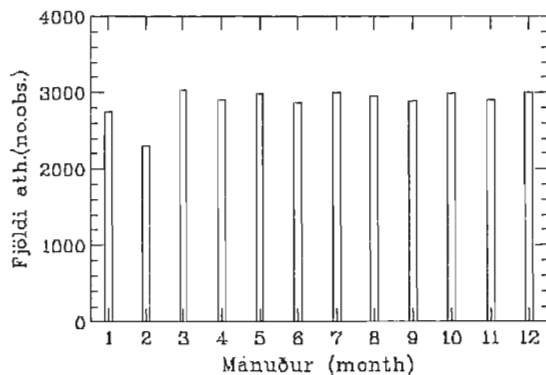
Þórunna Pálsdóttir,
Þórður Arason.

Keflavík BIKF

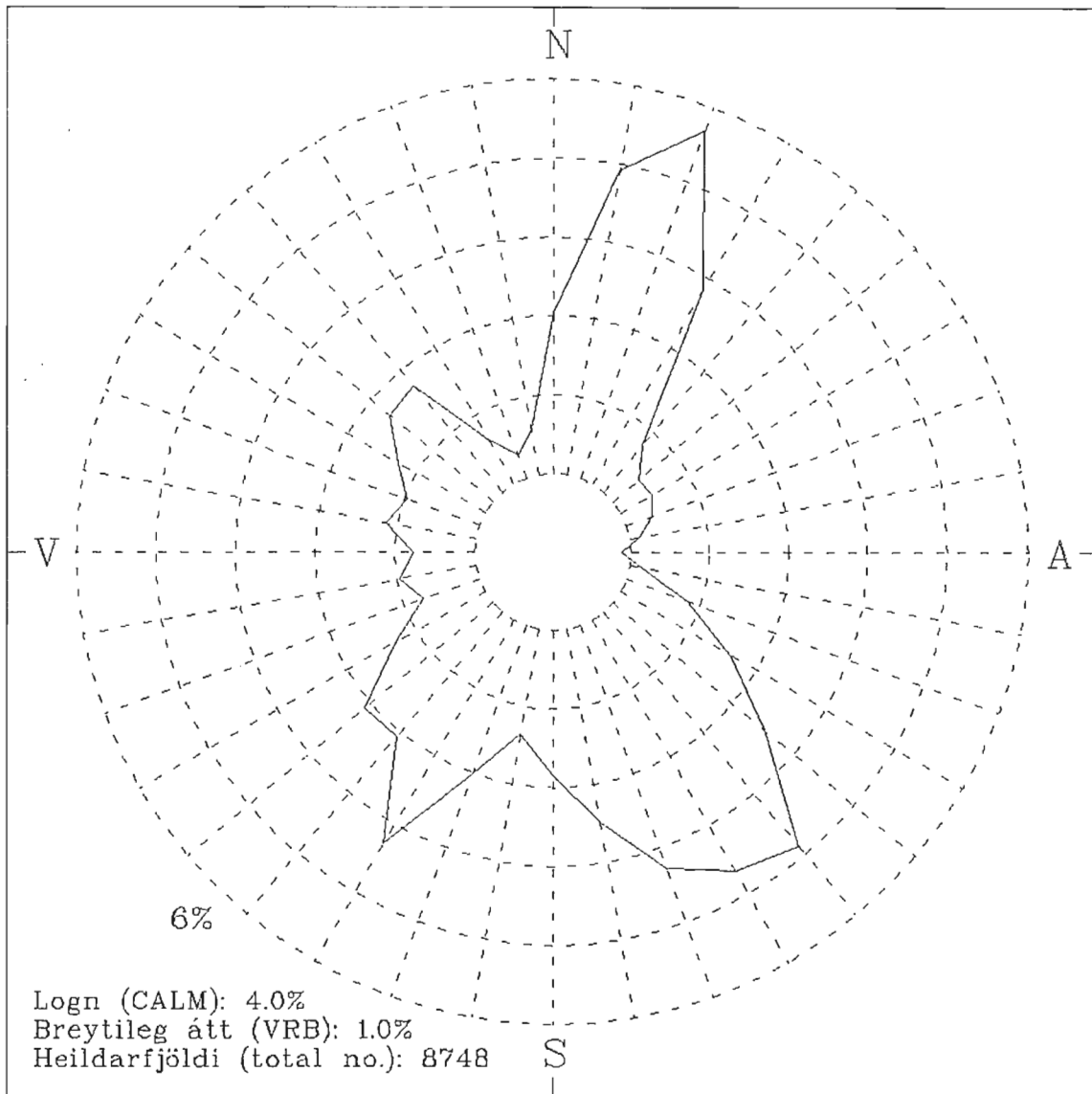


Tímabil (period): ALLT ÁRID 17.2.94-25.1.98 METAR

SPECI-skeyti voru: 328 og eru ekki tekin með.

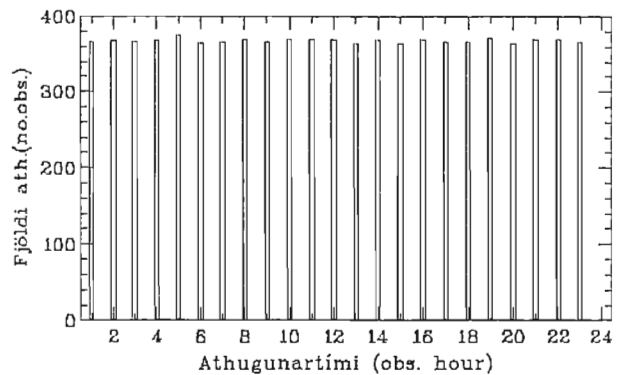
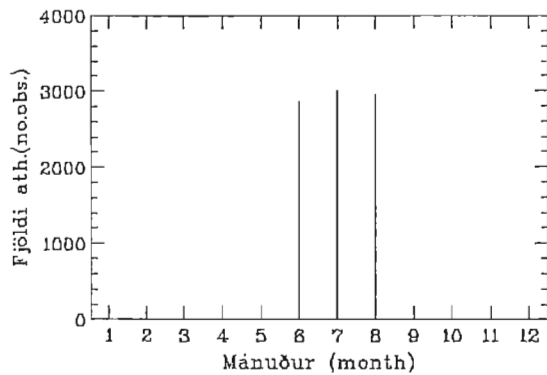


Keflavík BIKF

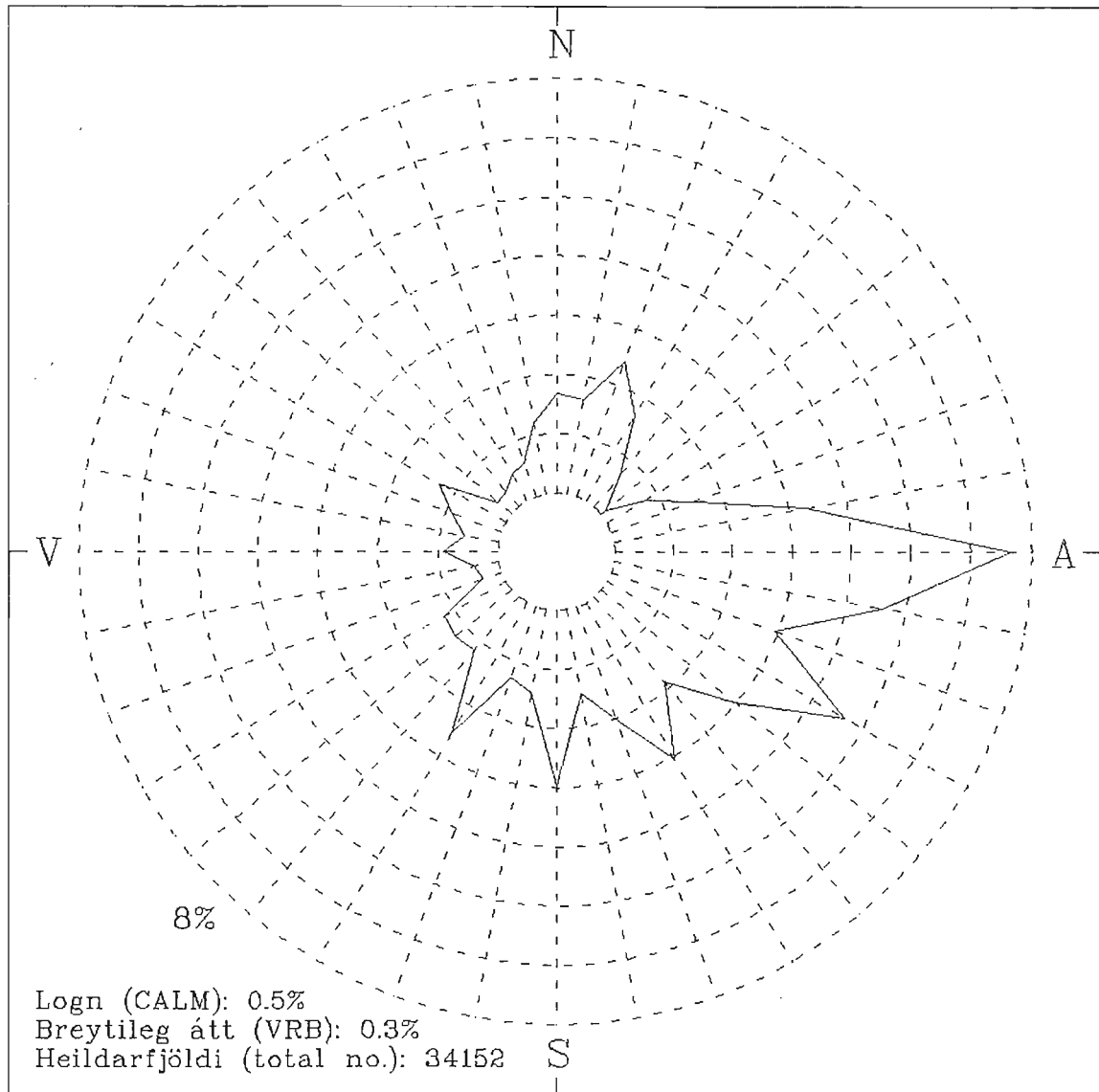


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SPECI-skeyti voru: 75 og eru ekki tekin með.

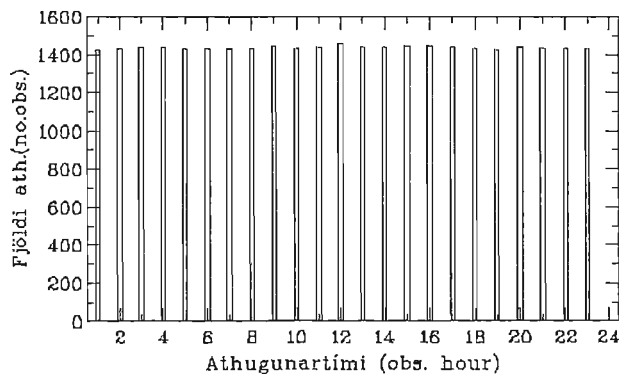
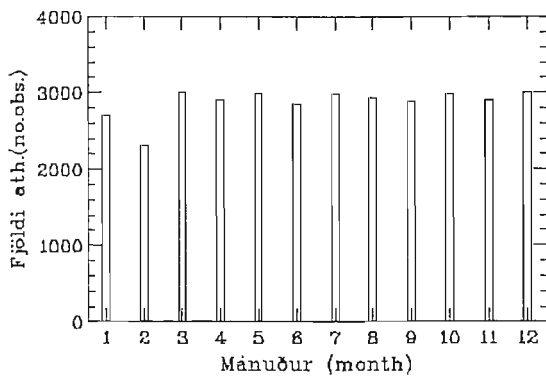


Reykjavík BIRK

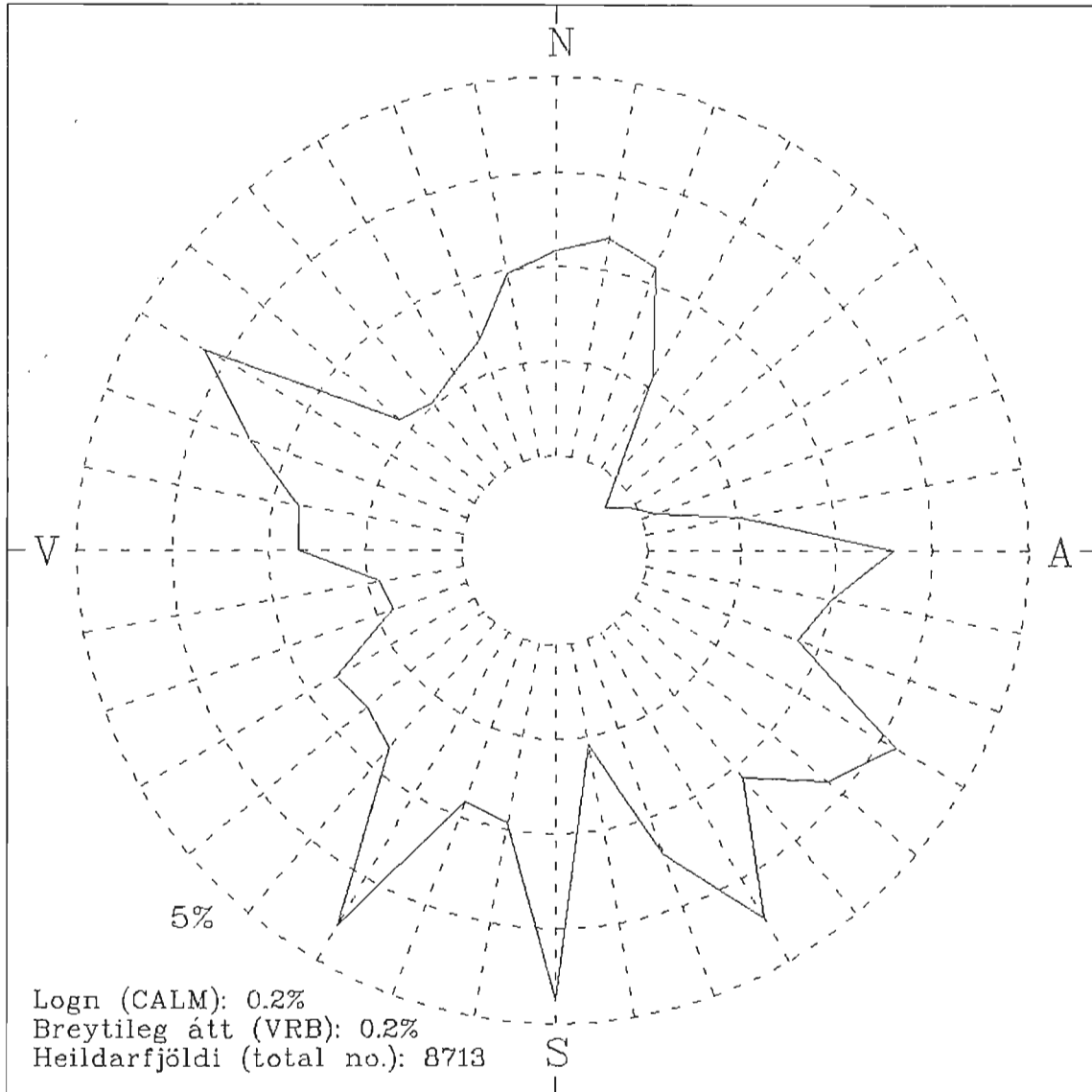


Tímabil (period): ALLT ÁRIÐ 17.2.94–25.1.98 METAR

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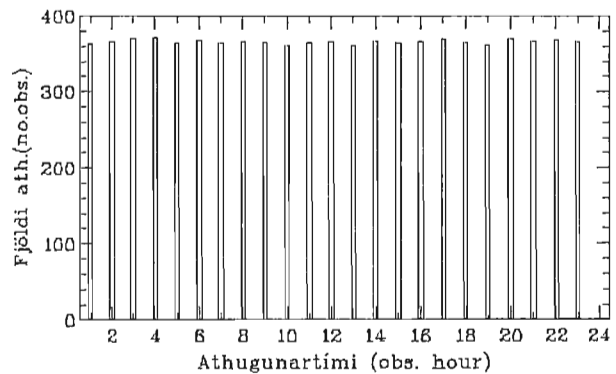
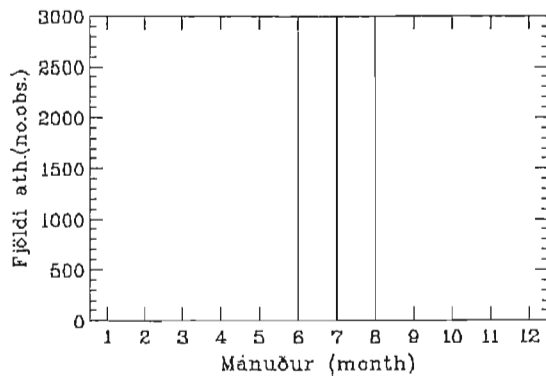


Reykjavík BIRK

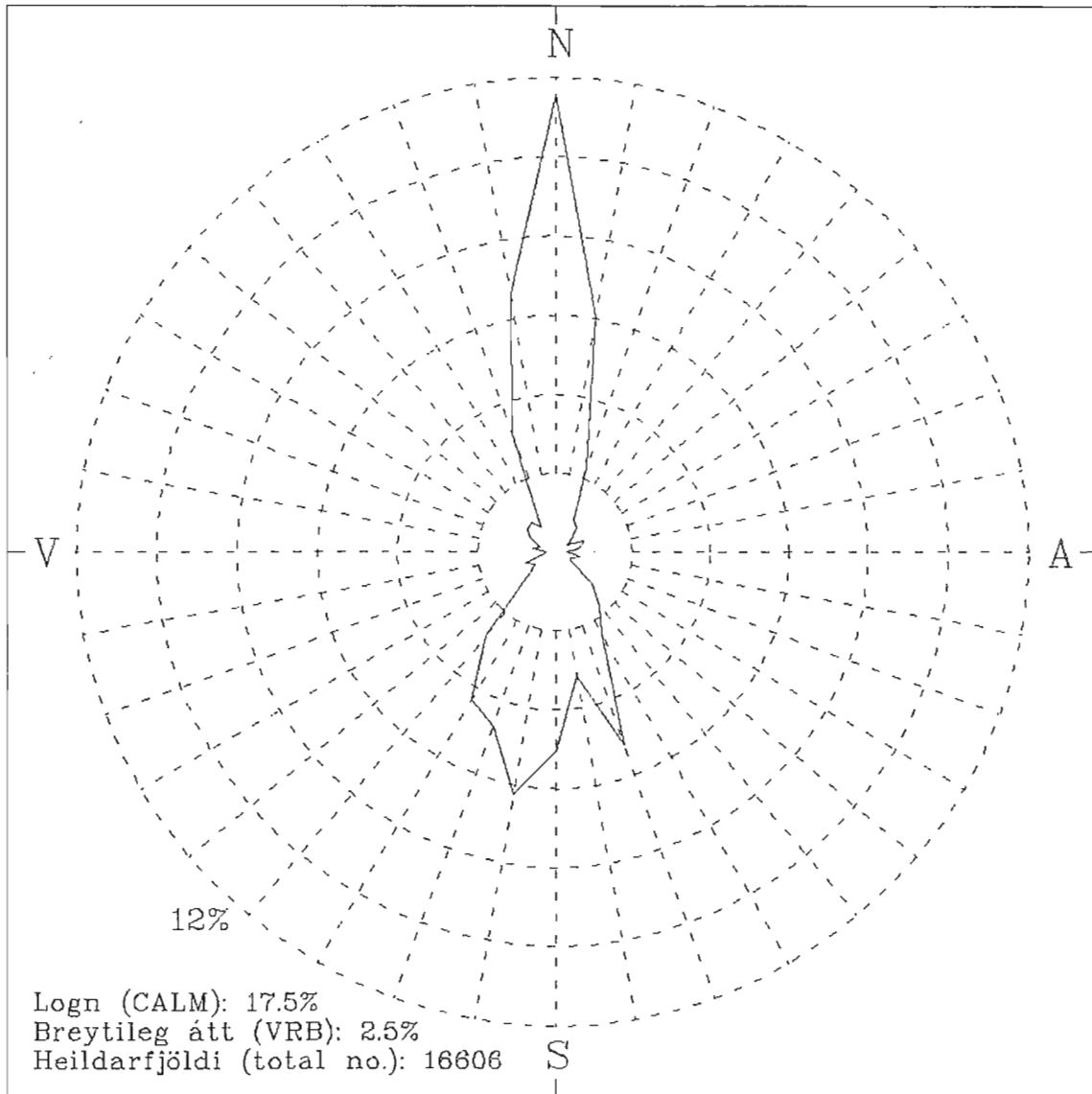


Tímabil (period): JÚNÍ-ÁGÚST 17.2.94-25.1.98 METAR

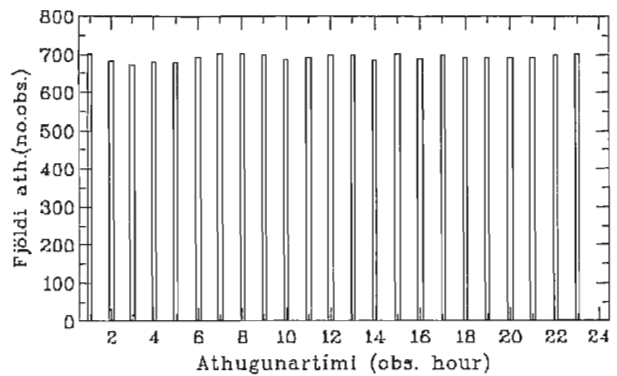
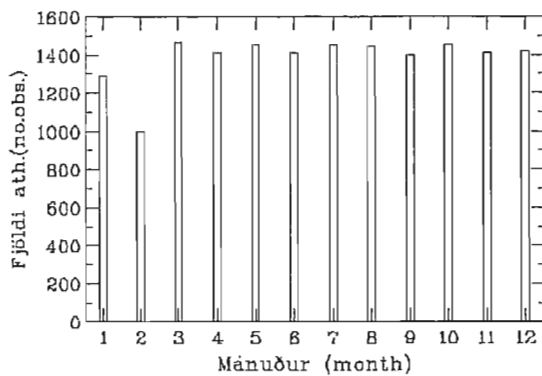
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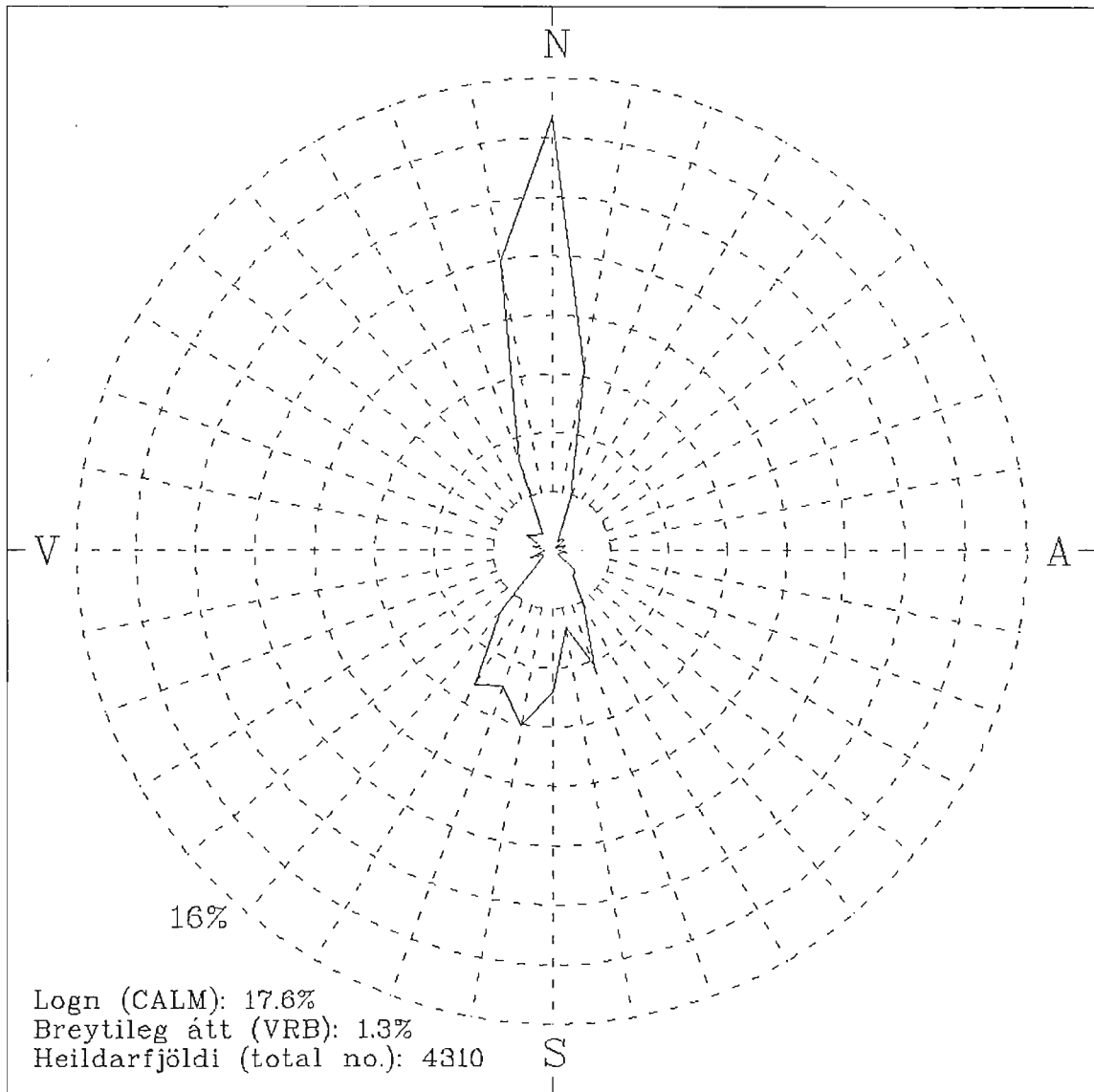
Egilsstaðir BIEG



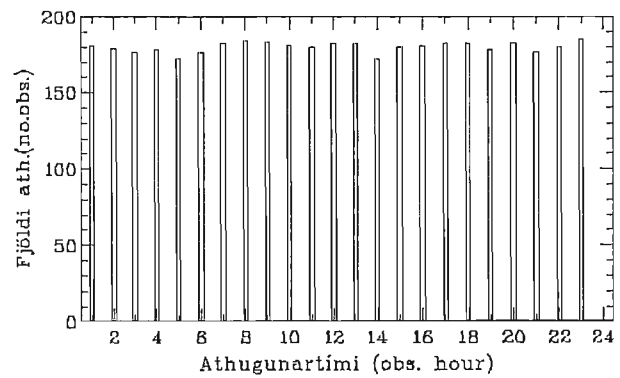
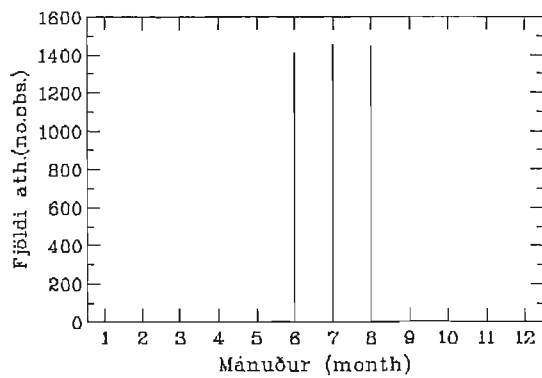
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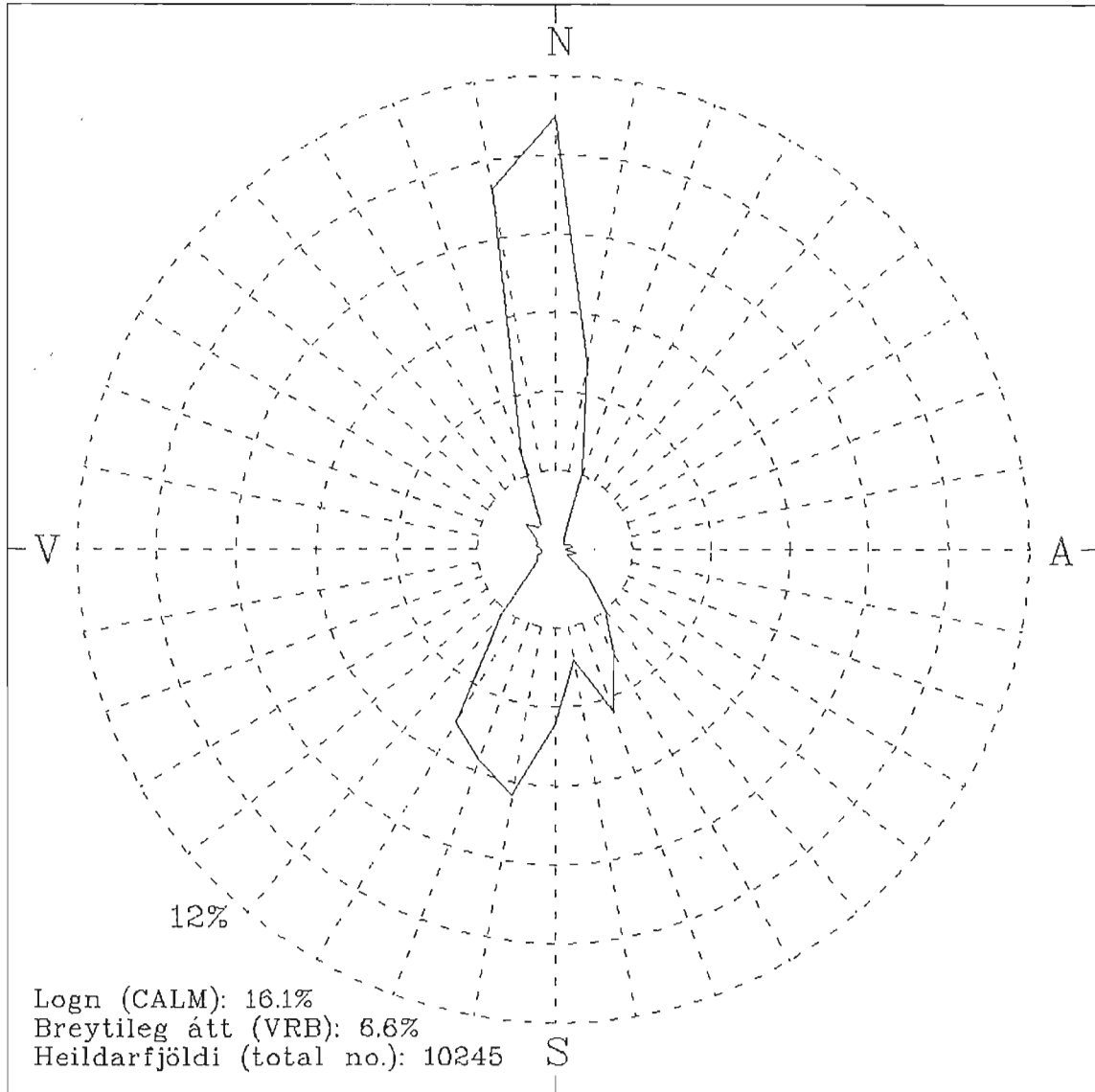
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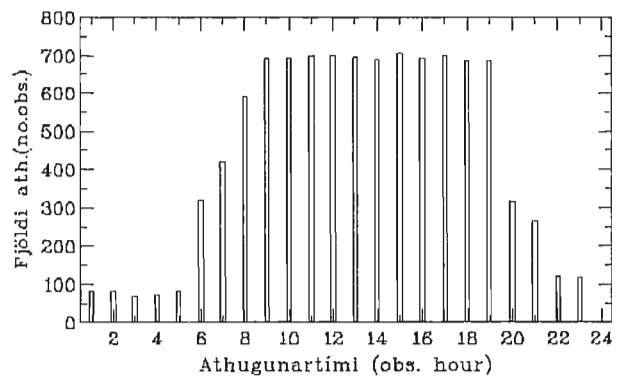
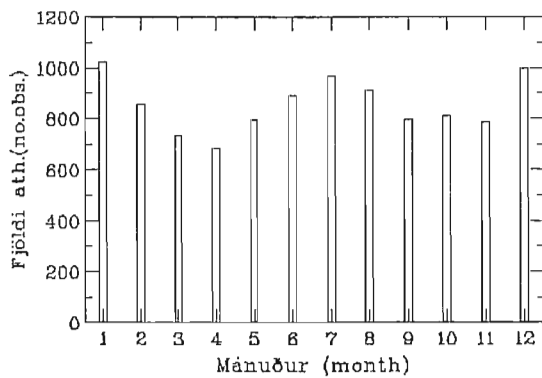
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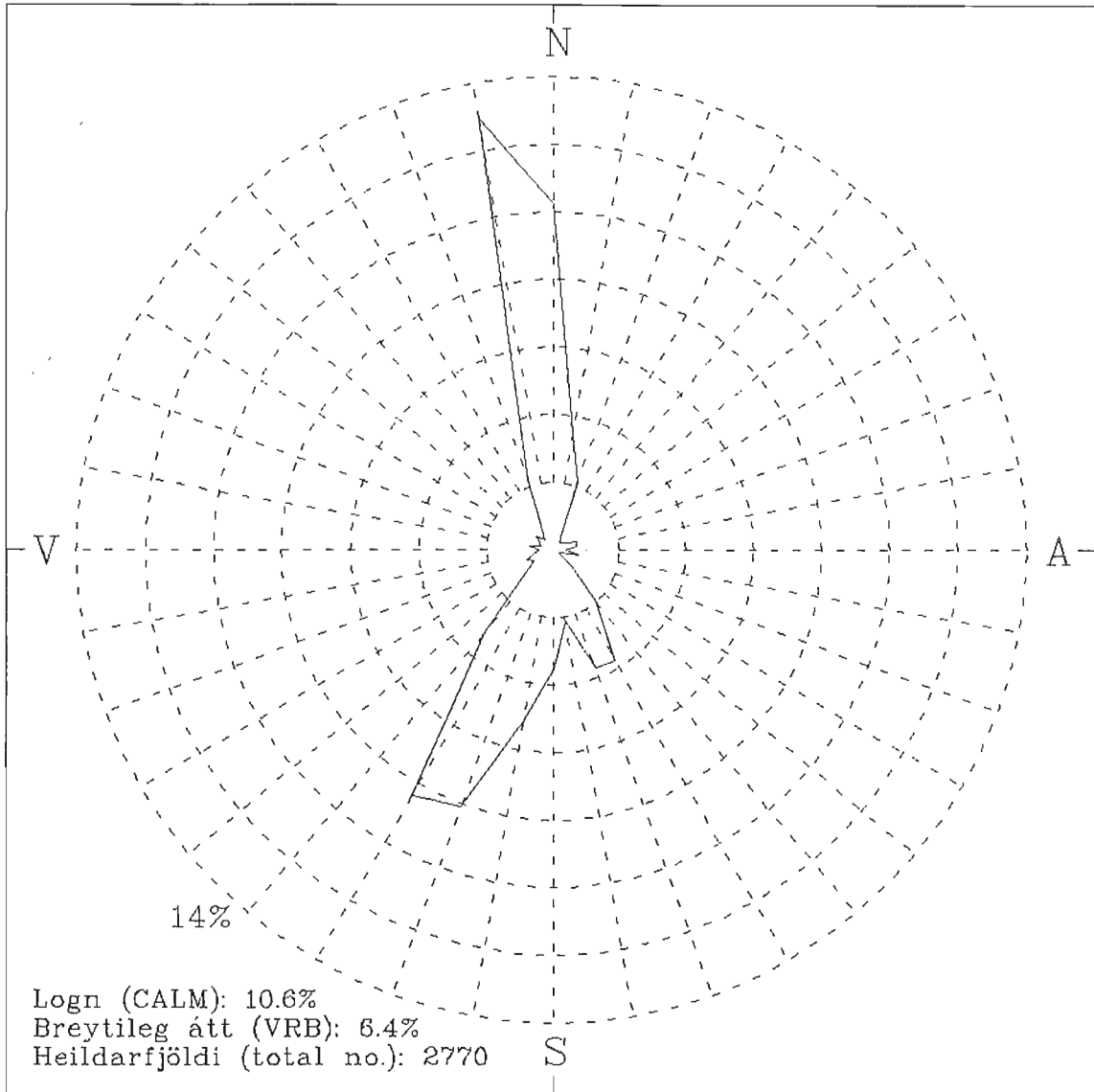
Egilsstaðir BIEG



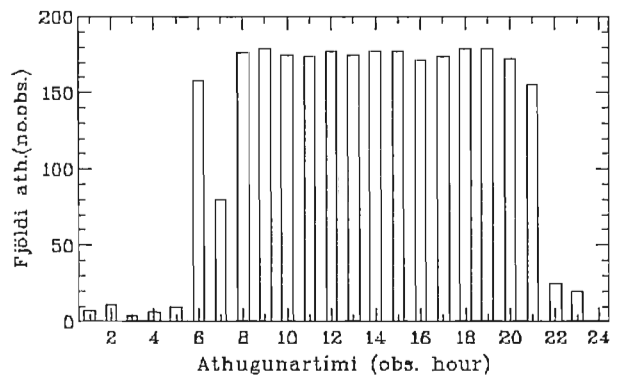
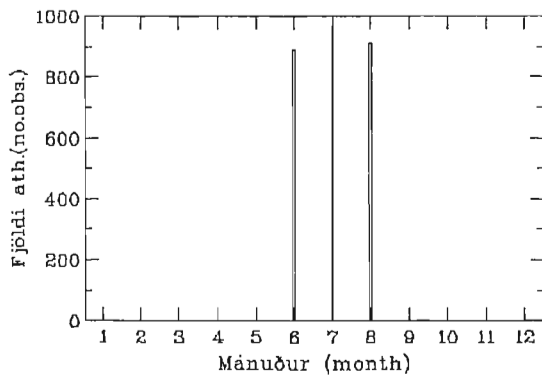
Tímabil (period): ALLT ÁRIÐ 17.2.94-12.2.96 MET REPORT



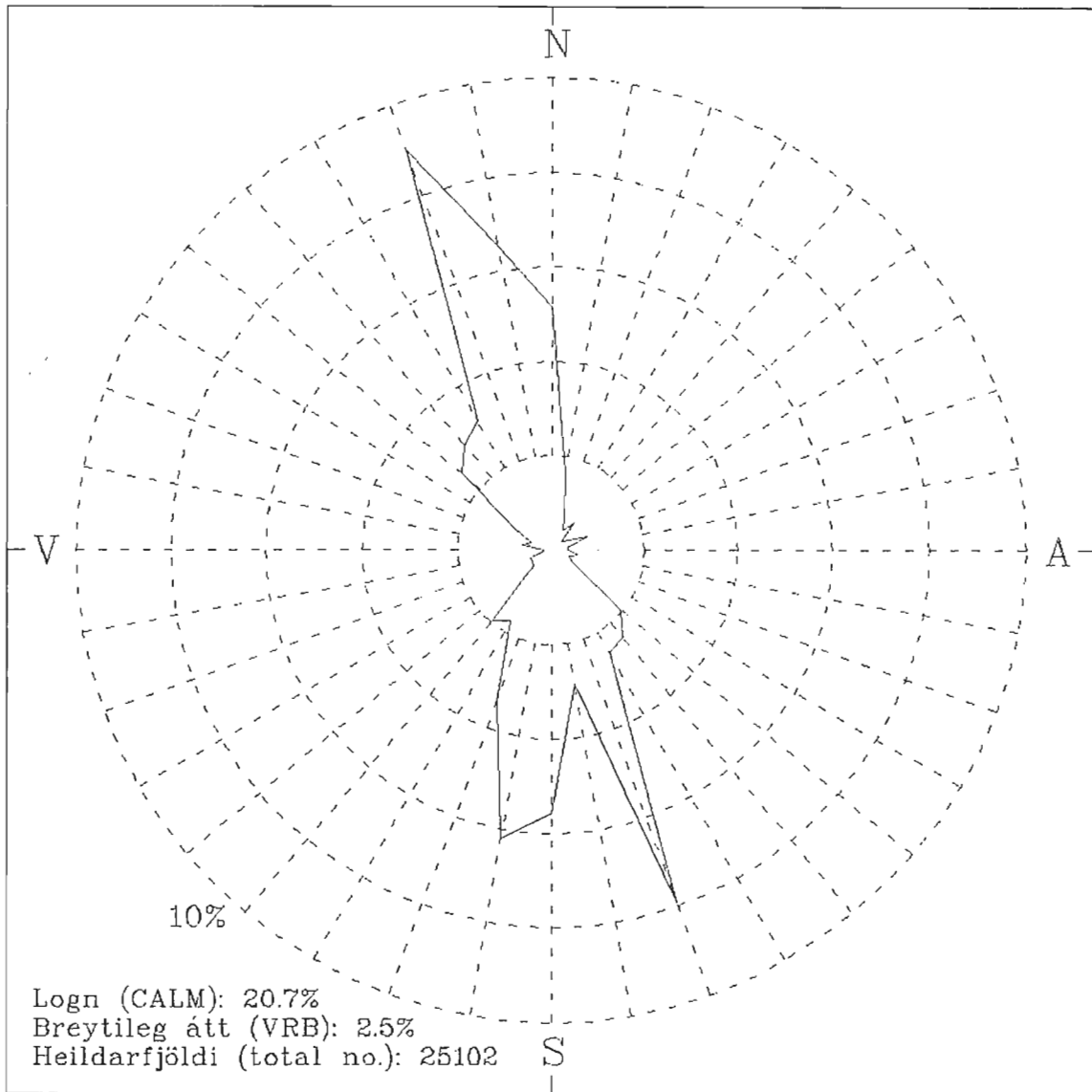
Egilsstaðir BIEG



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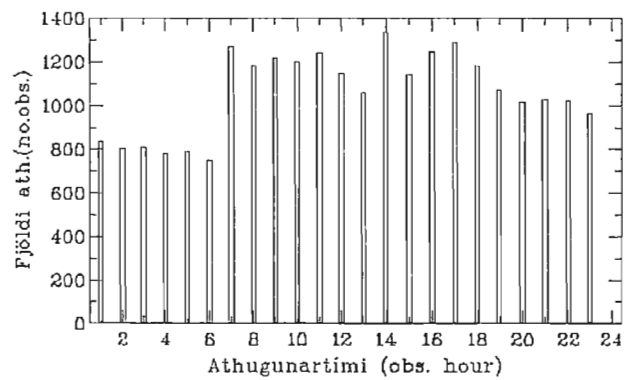
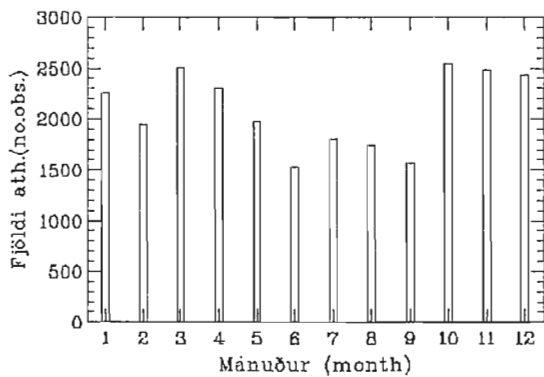


Akureyri BIAR

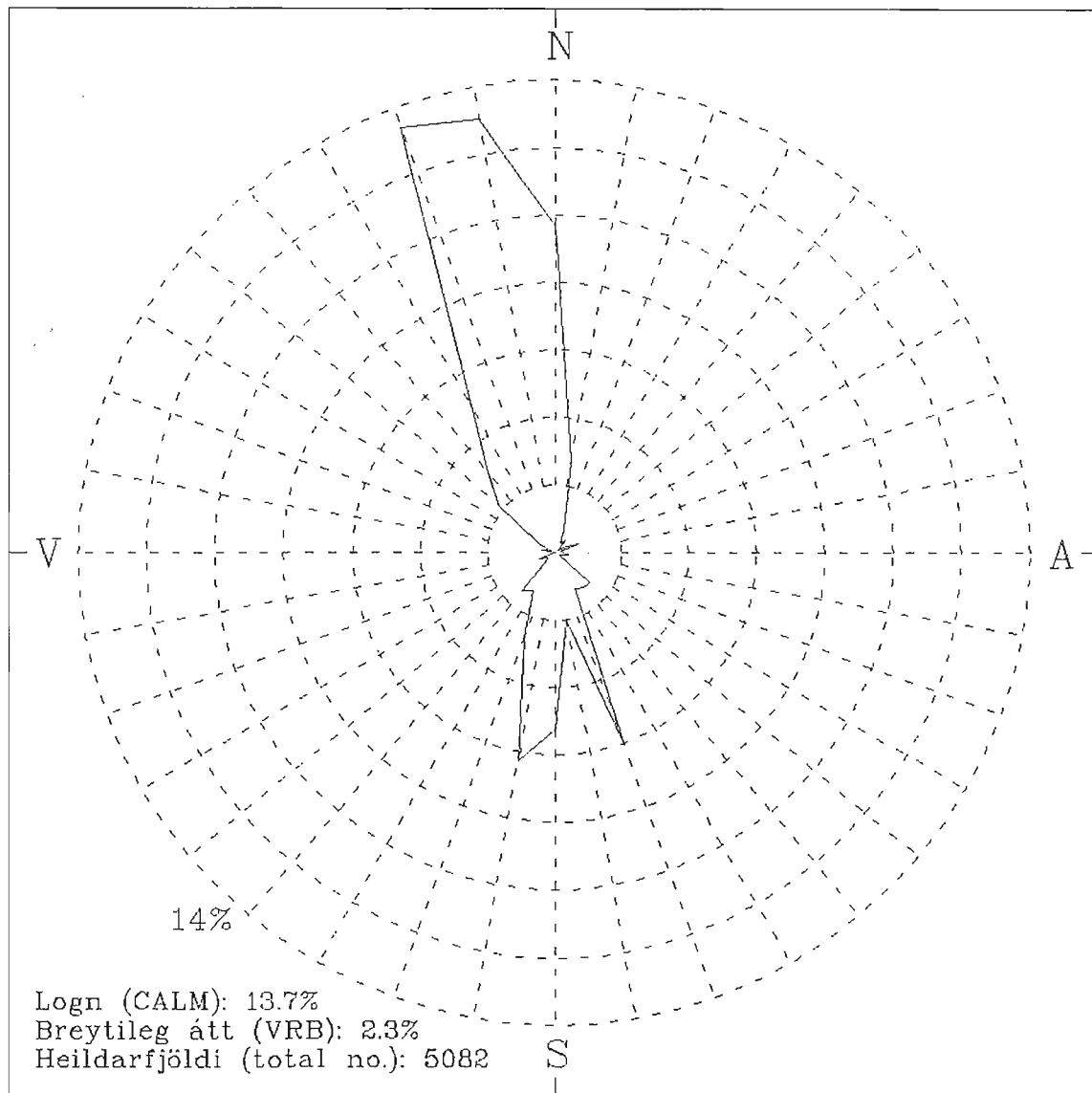


Tímabil (period): ALLT ÁRID 17.2.94-22.1.98 MET REPORT

SPECIAL-skeyti voru: 0 og eru ekki tekin með.

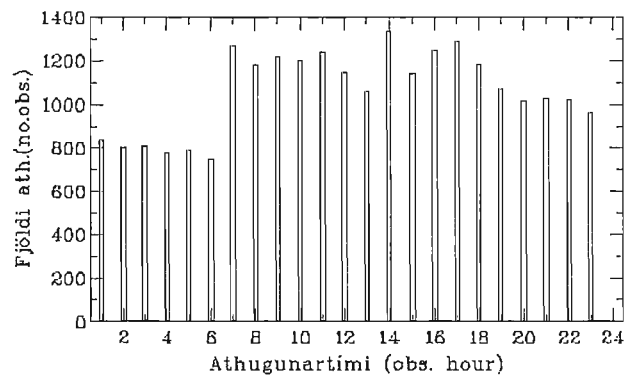
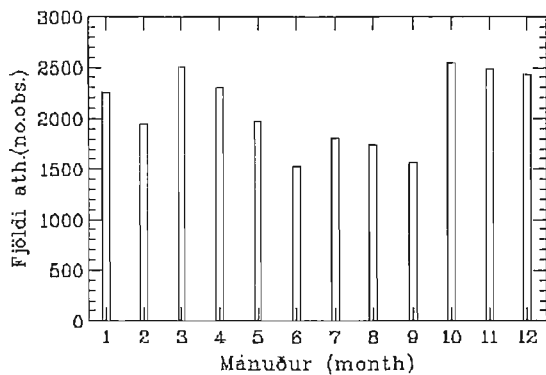


Akureyri BIAR

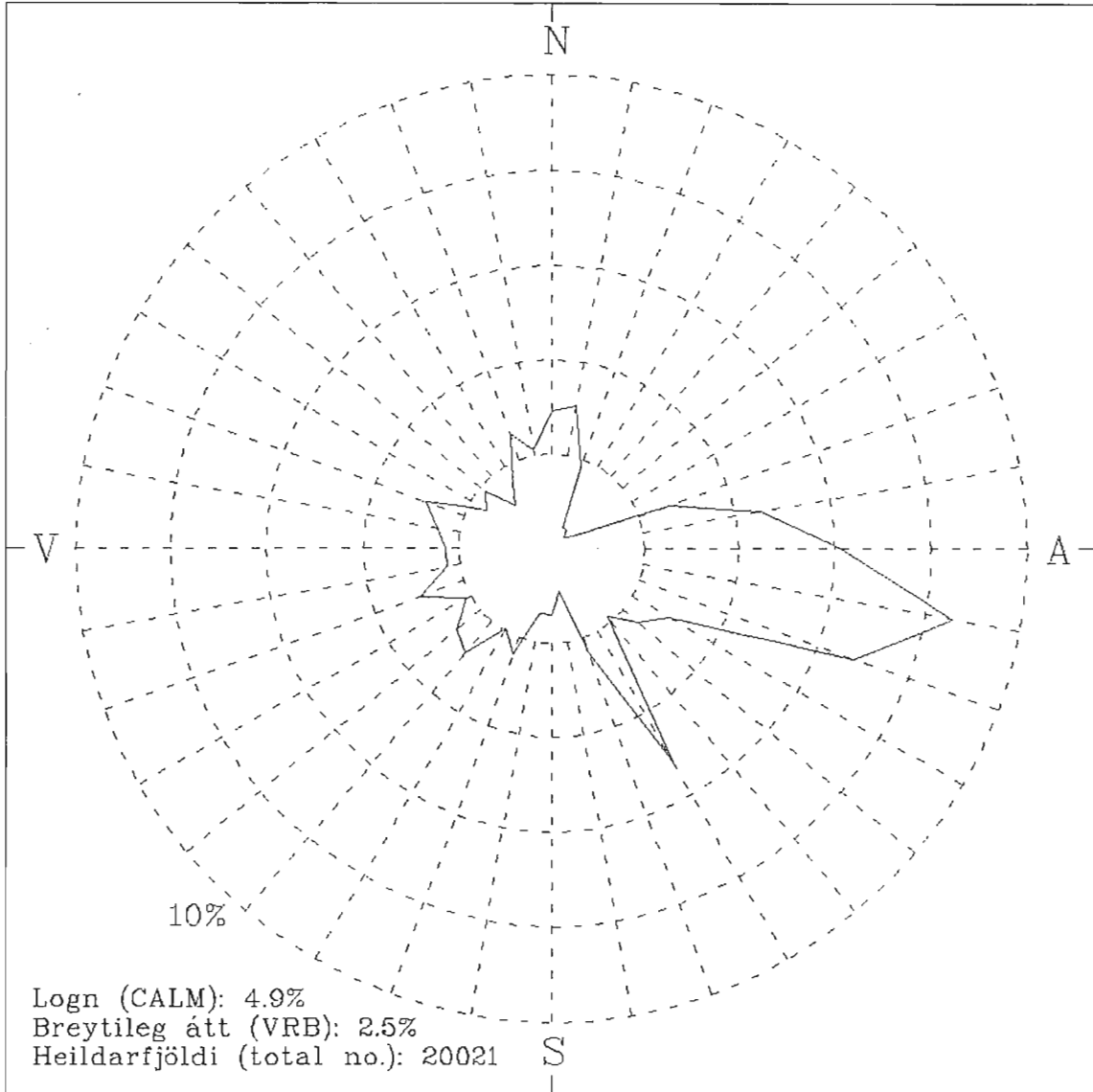


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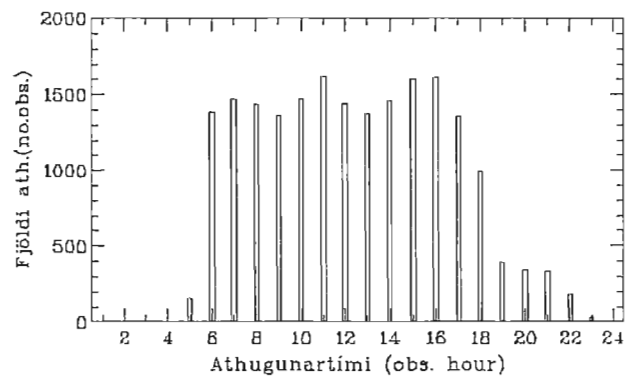
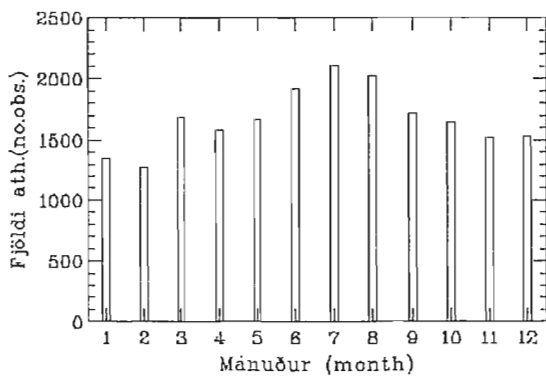


Vestmannaeyjar BIVM

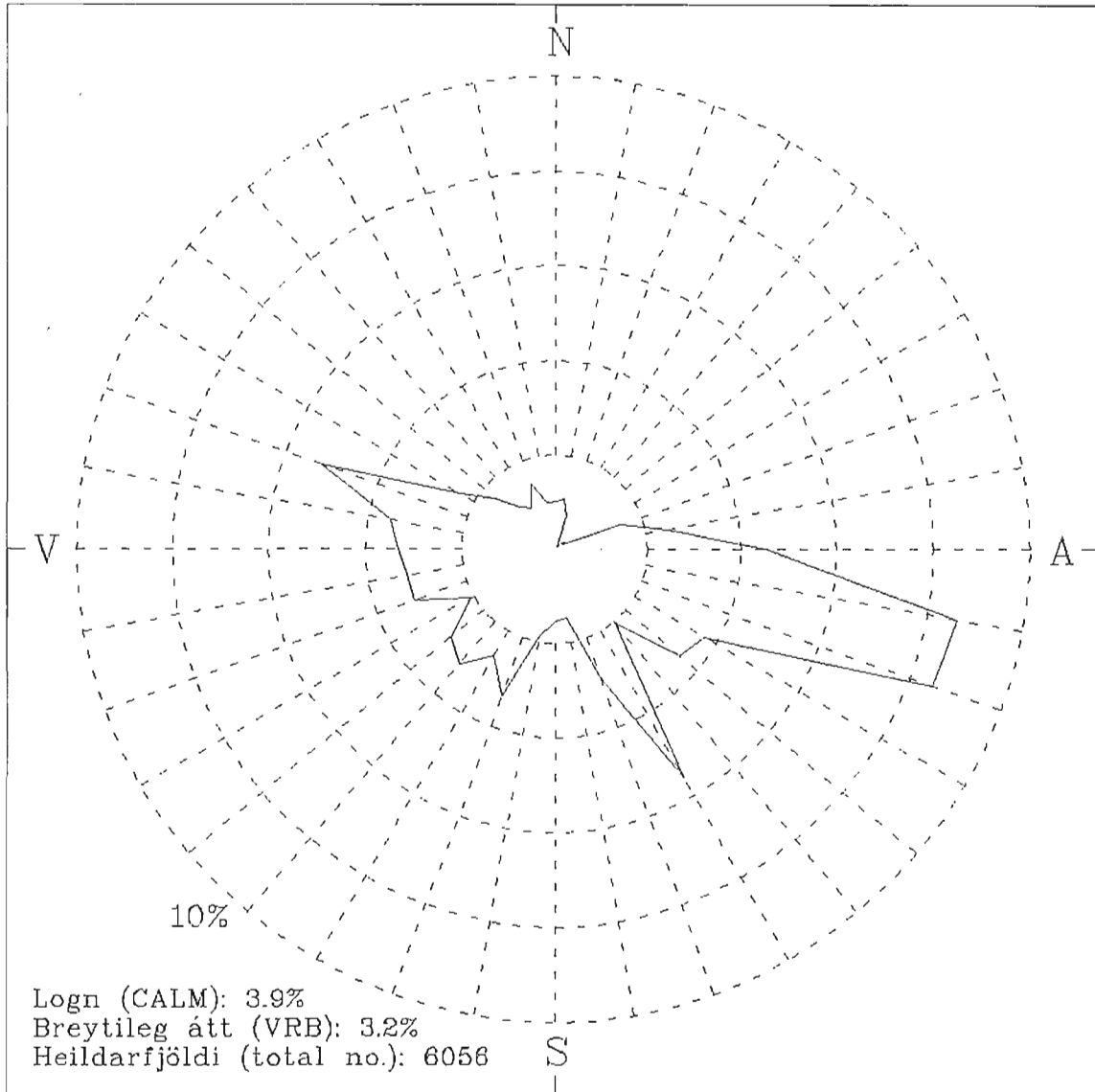


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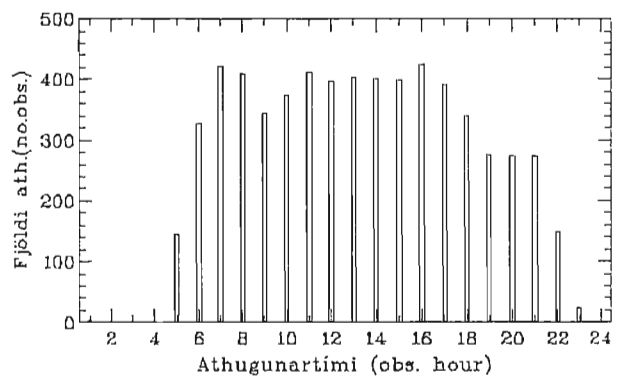
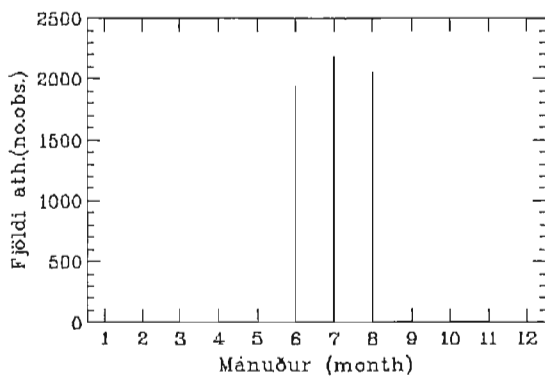


Vestmannaeyjar BIVM

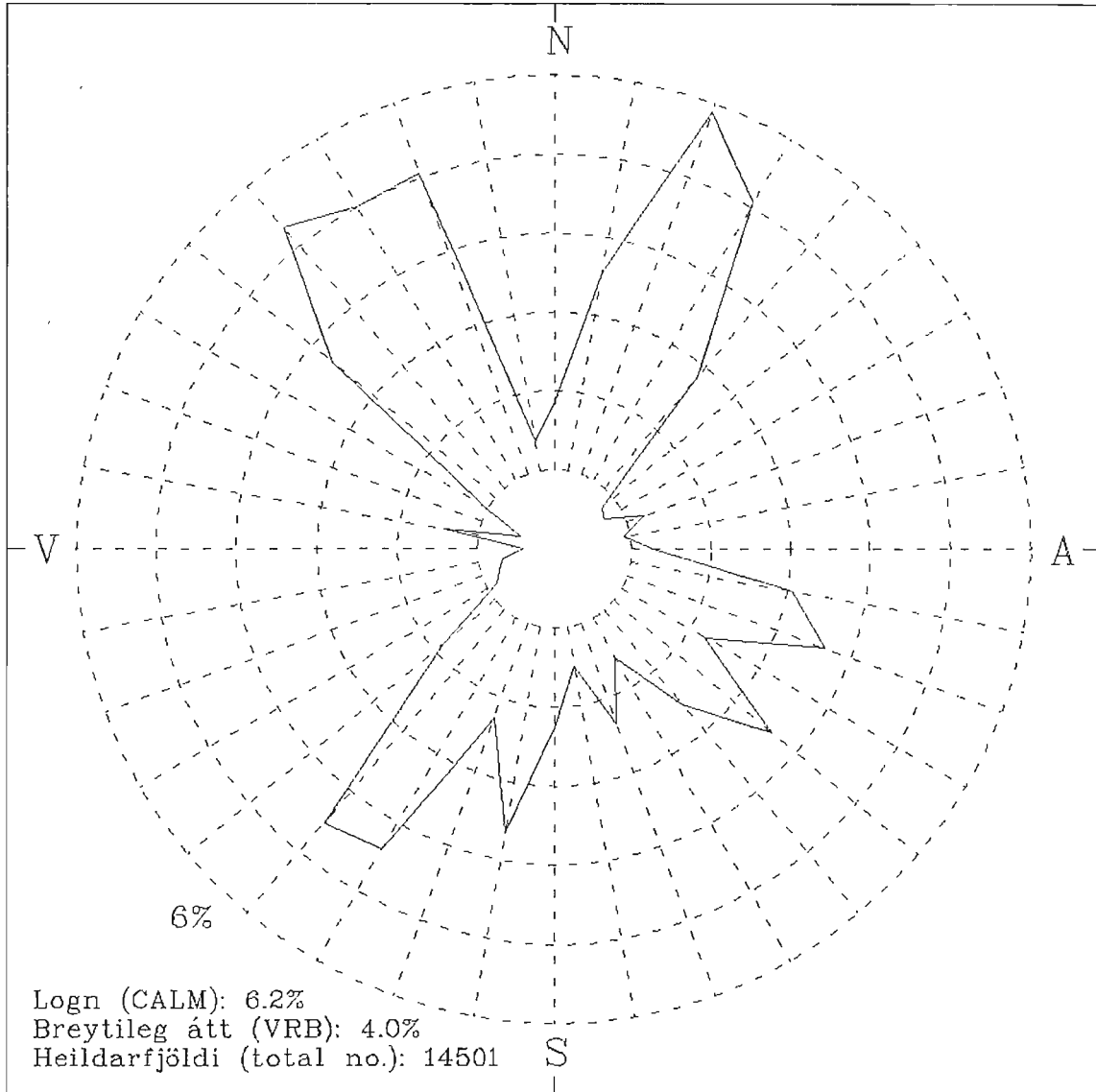


Timabil (period): JÚNÍ-ÁGÚST 17.2.94-22.1.98 MET REPORT

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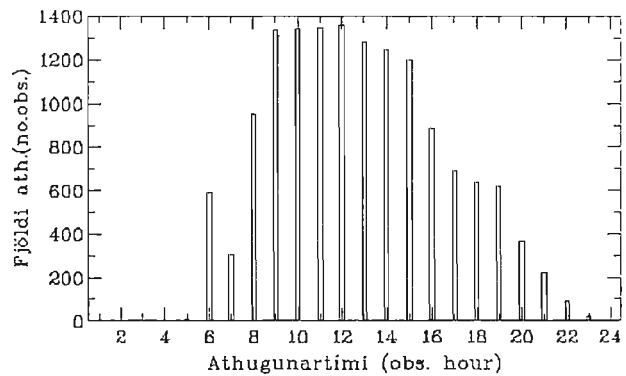
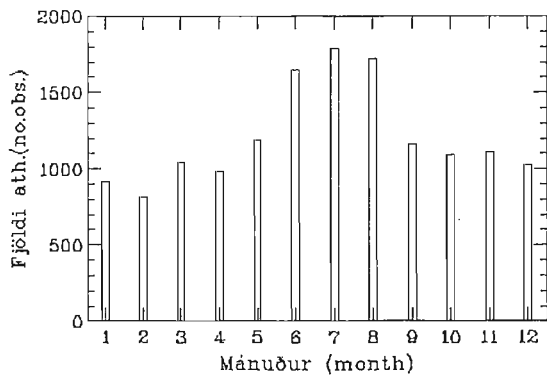


Hornafjörður BIHN

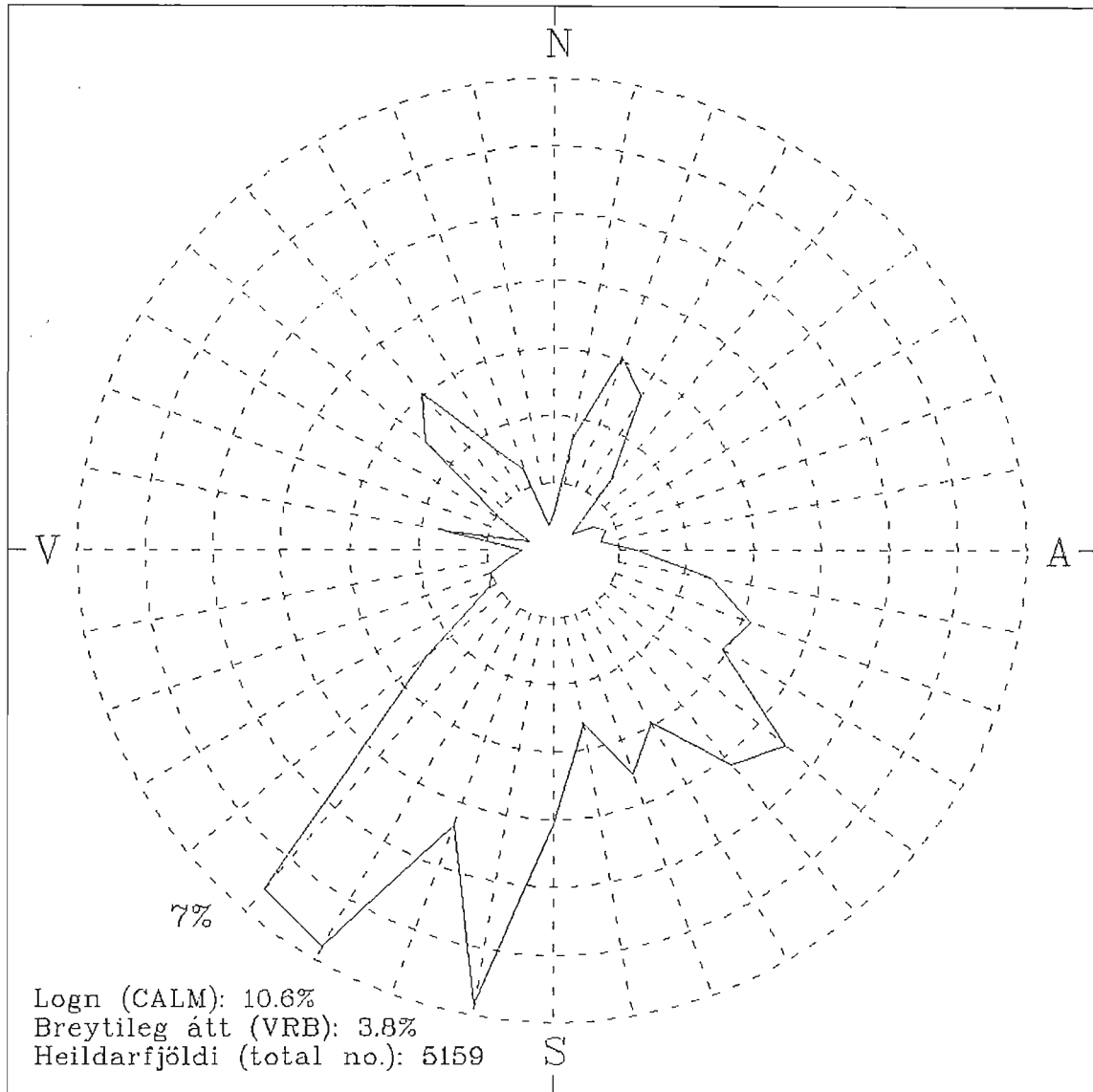


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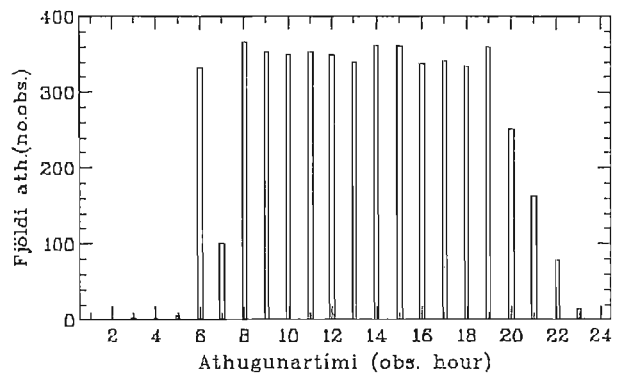
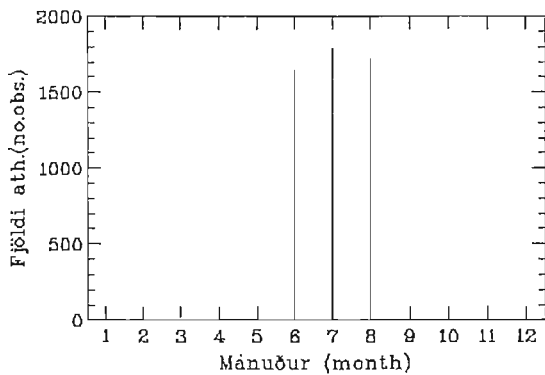


Hornafjörður BIHN

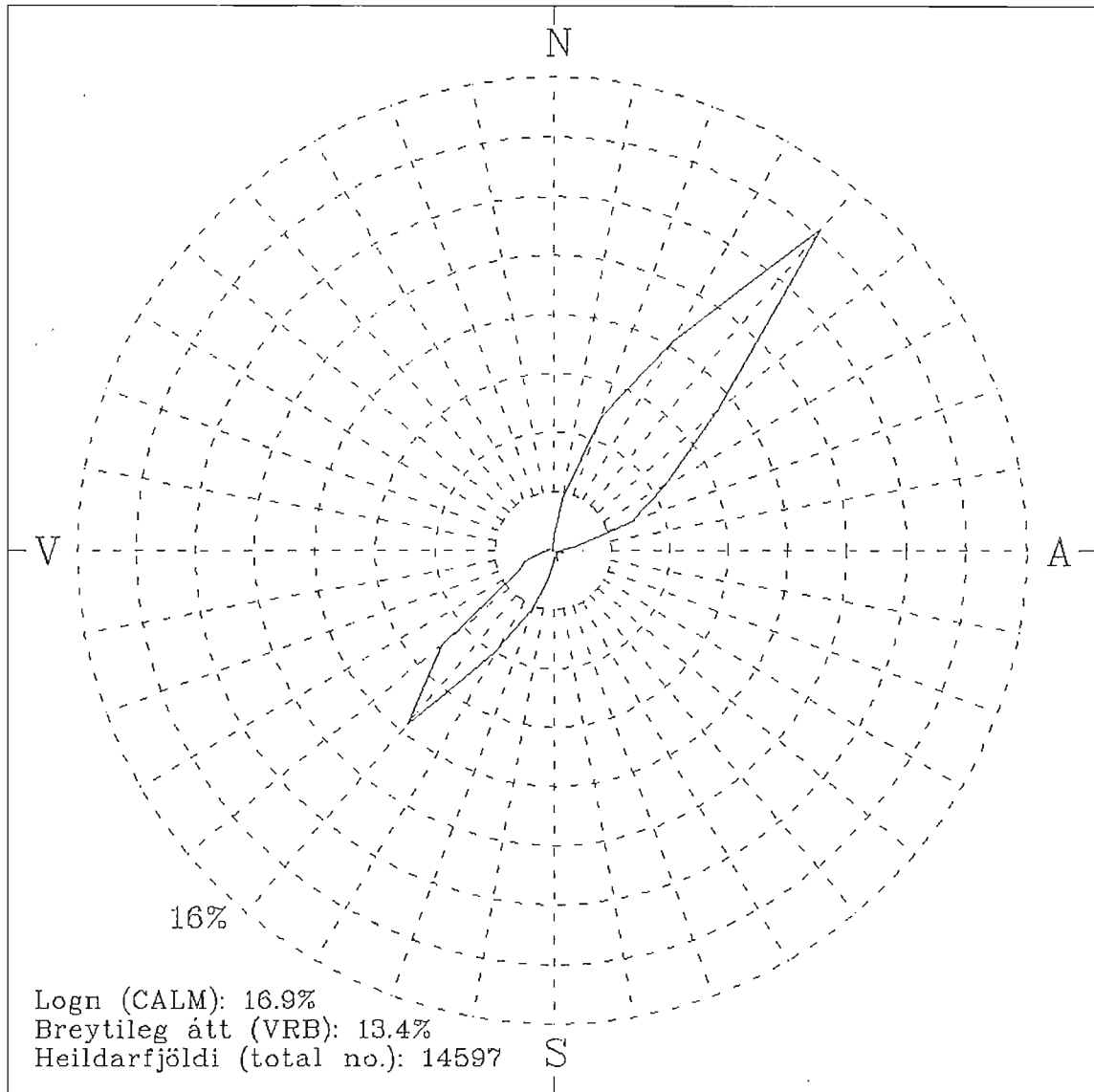


Tímabil (period): JÚNÍ-ÁGÚST 17.2.94-19.1.98 MET REPORT

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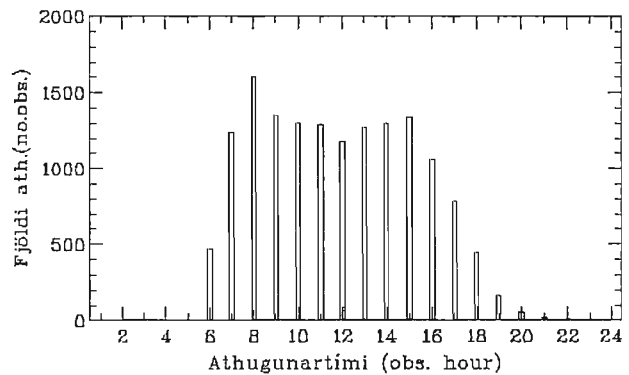
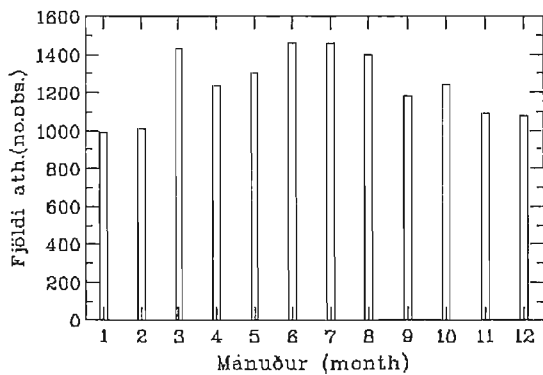


Ísafjörður BIIS

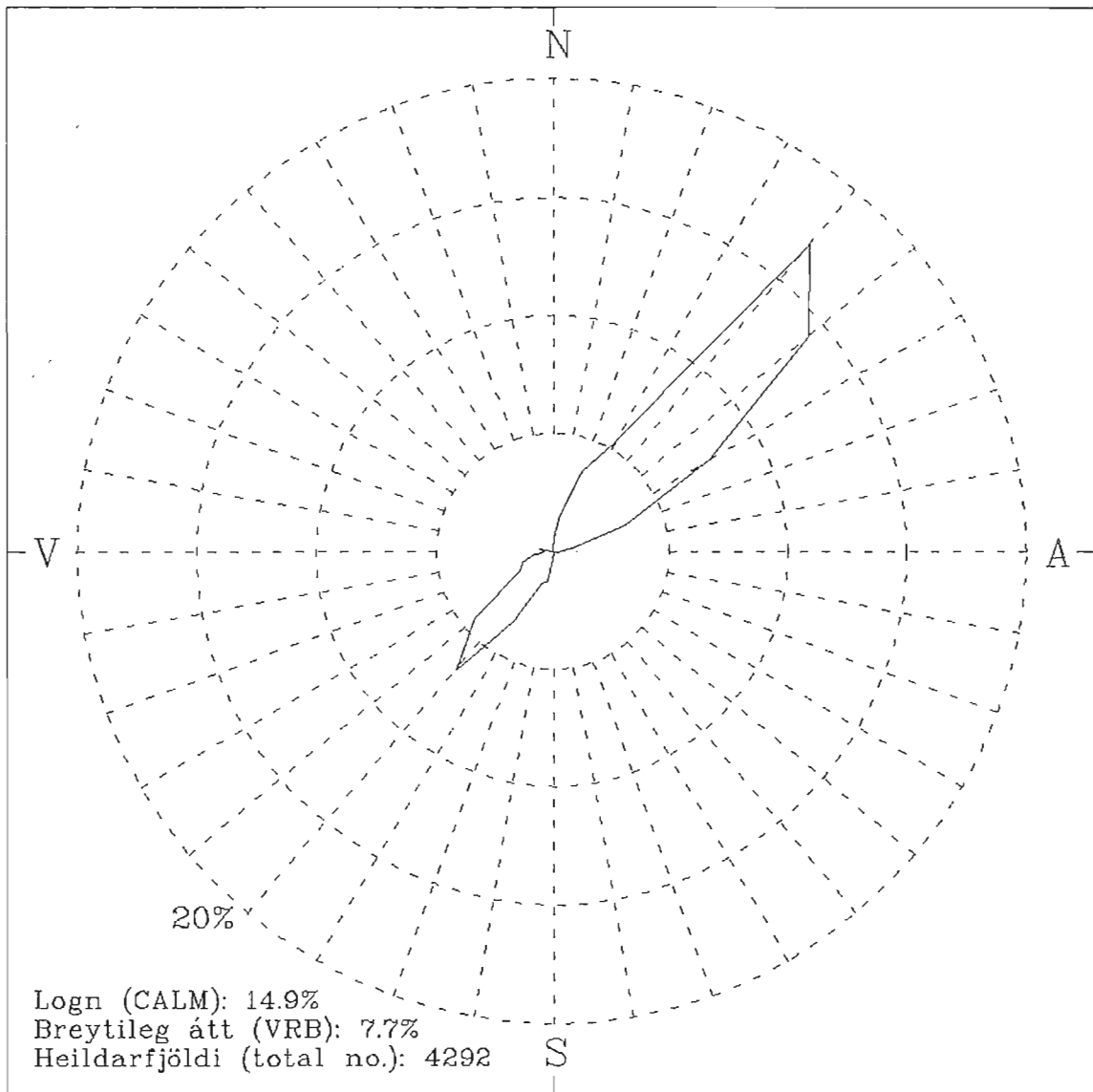


Tímabil (period): ALLT ÁRIÐ 17.2.94–25.1.98 MET REPORT

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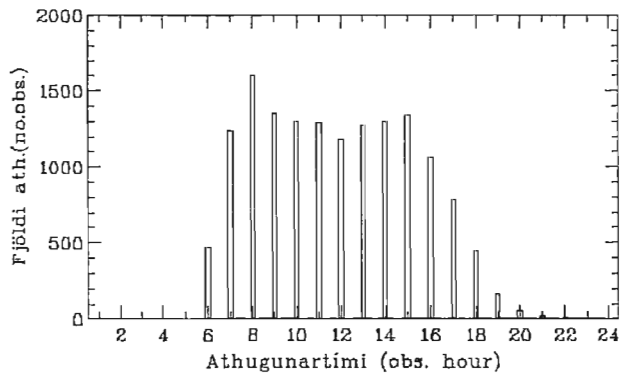
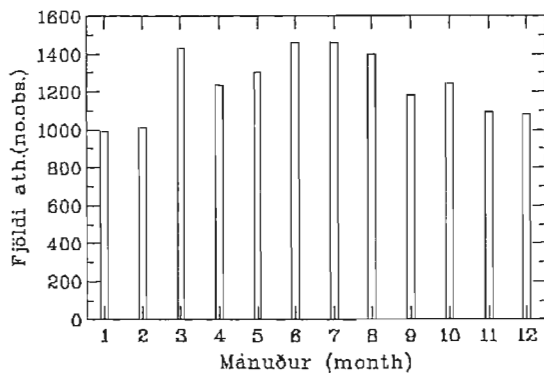


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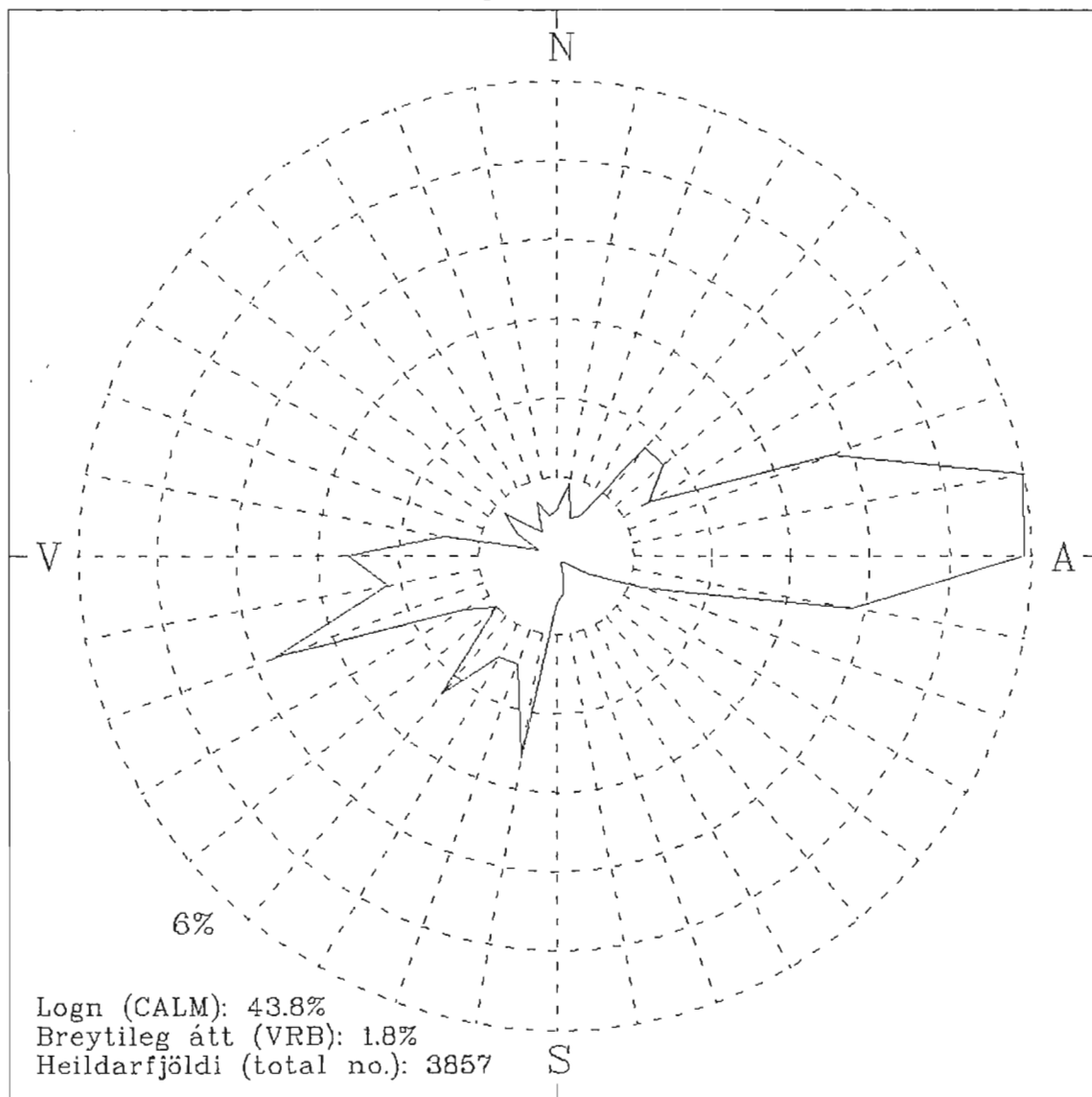


Tímabil (period): JÚNÍ-ÁGÚST 17.2.94-25.1.98 MET REPORT

SPECIAL-skeyti voru: 23 og eru ekki tekin með.

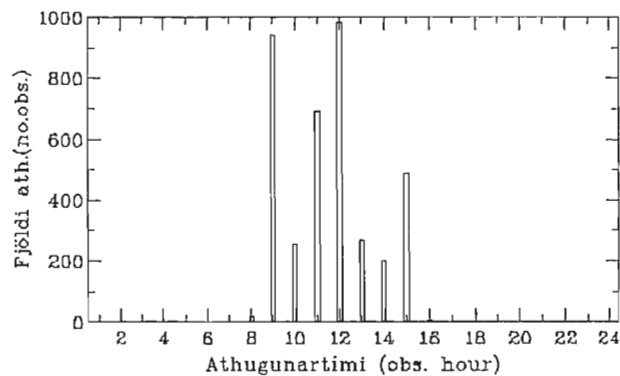
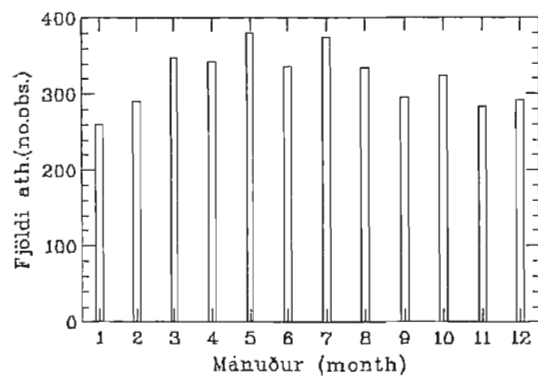


Norðfjörður BINF

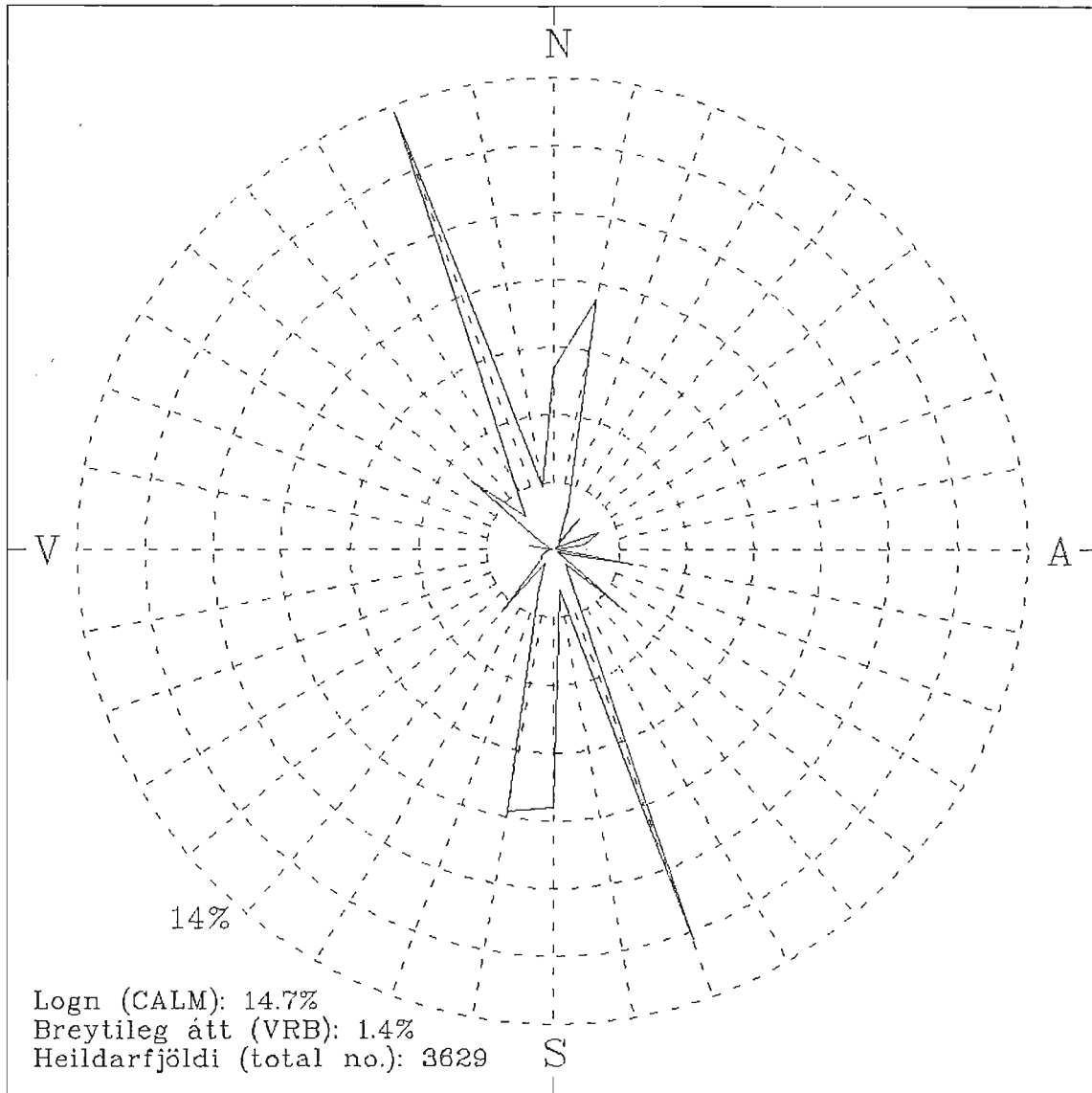


Tímabil (period): ALLT ARÍÐ 17.2.1994–25.1.1998 MET REPORT

SPECIAL-skeyti voru: 3 og eru ekki tekin með.

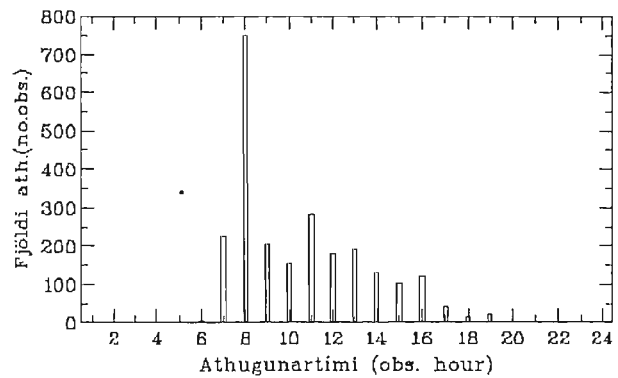
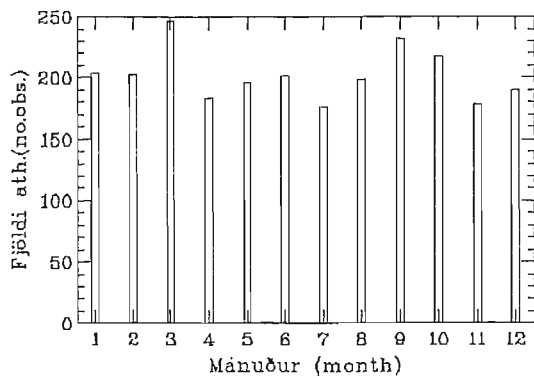


Húsavík BIHU

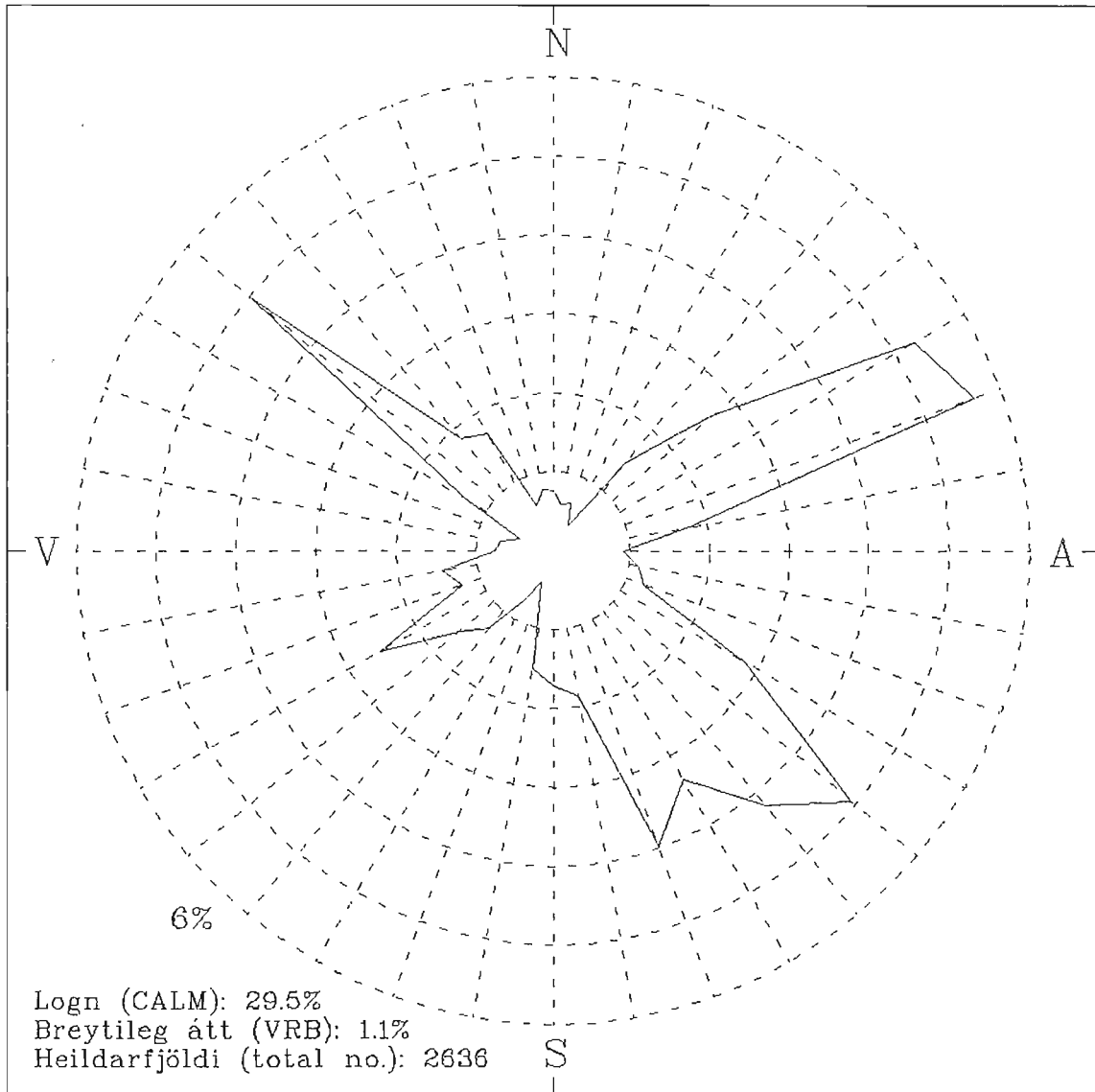


Tímabil (period): ALLT ÁRIÐ 17.2.94-25.1.98 MET REPORT

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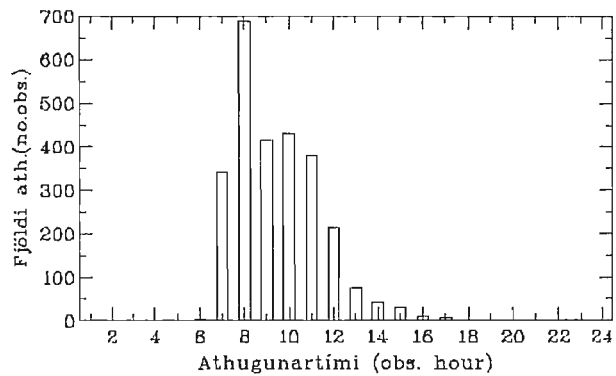
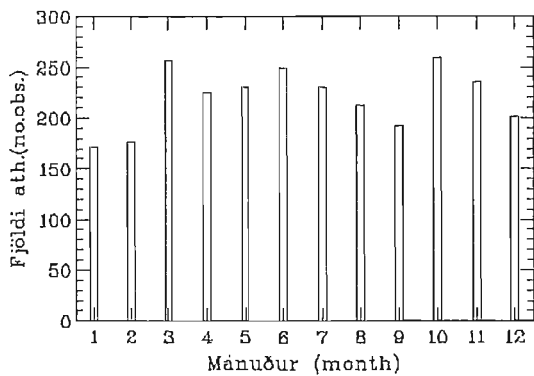


Patreksfjörður BIPA

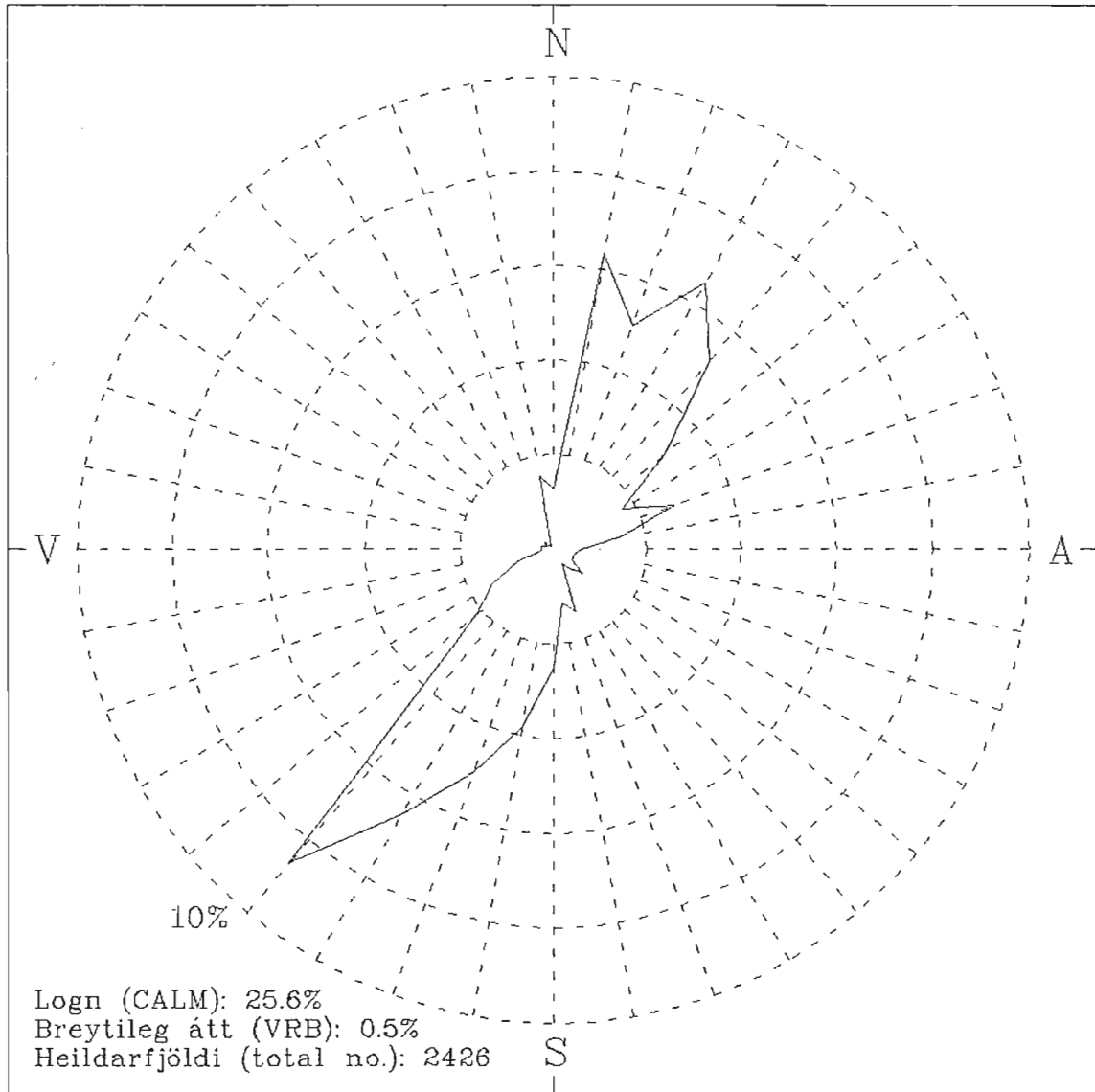


Tímabil (period): ALLT ÁRIÐ 17.2.94–25.1.98 MET REPORT

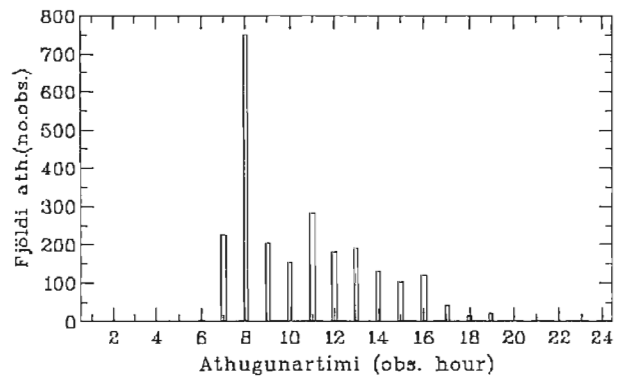
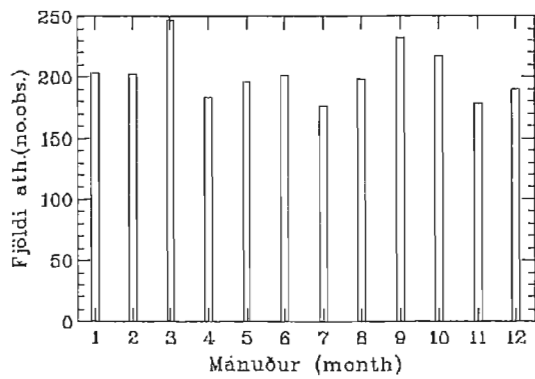
SPECIAL-skeyti voru: 5 og eru ekki tekin með.



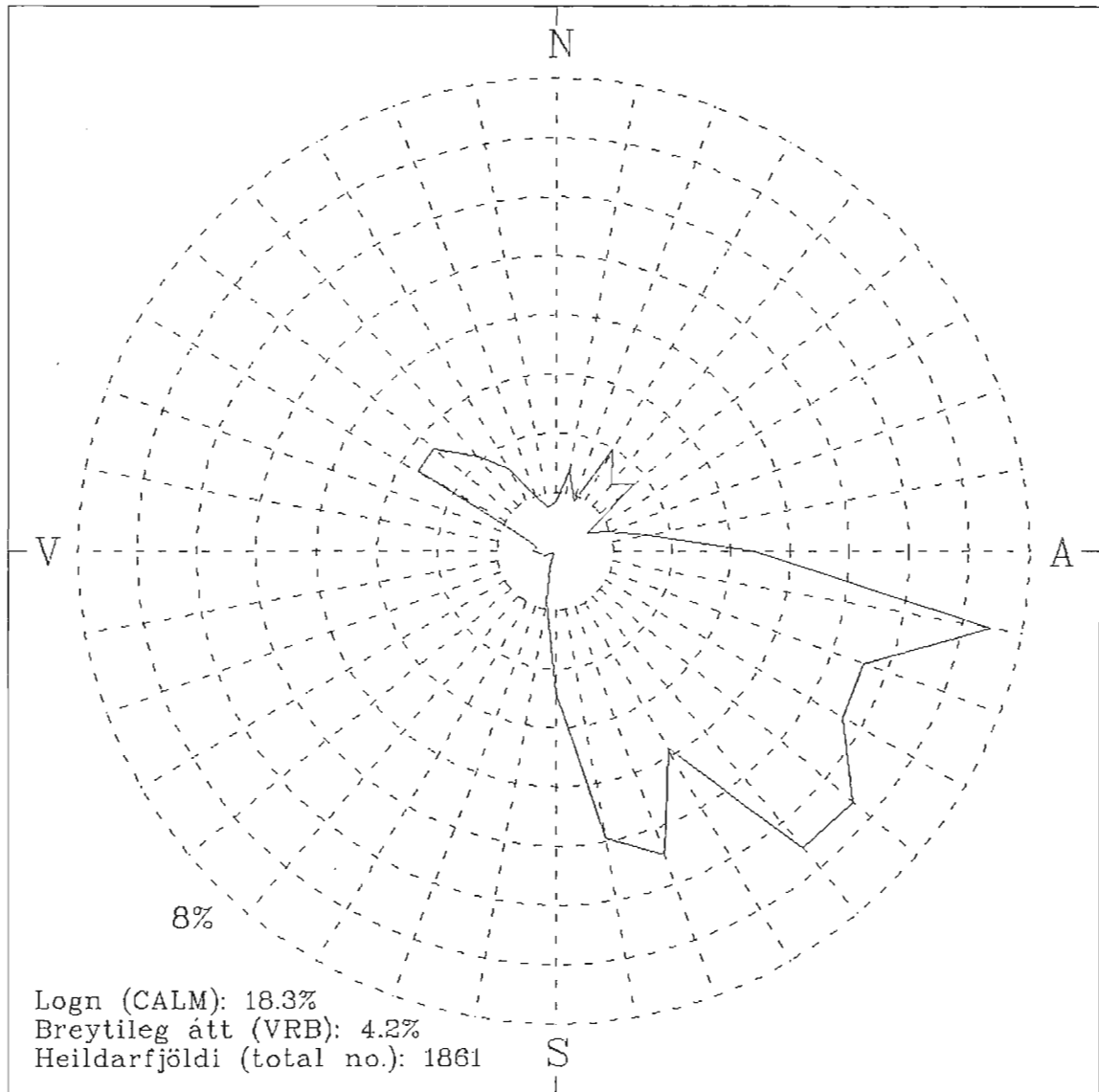
Bíldudalur BIBD



Tímabil (period): ALLT ÁRIÐ 17.2.94-25.1.98 MET REPORT

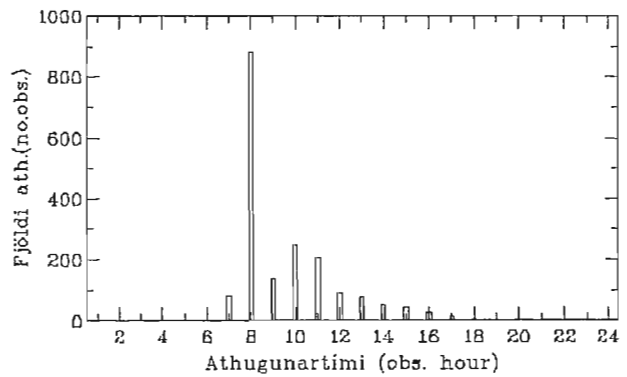
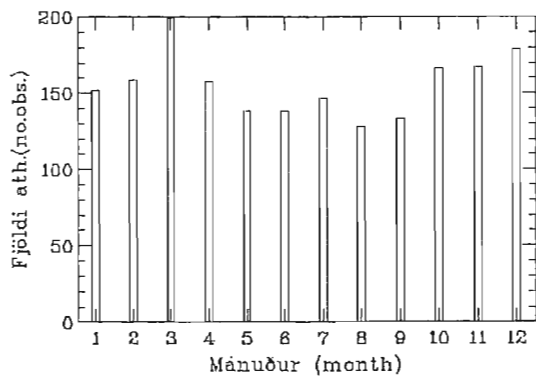


Pingeyri BITE

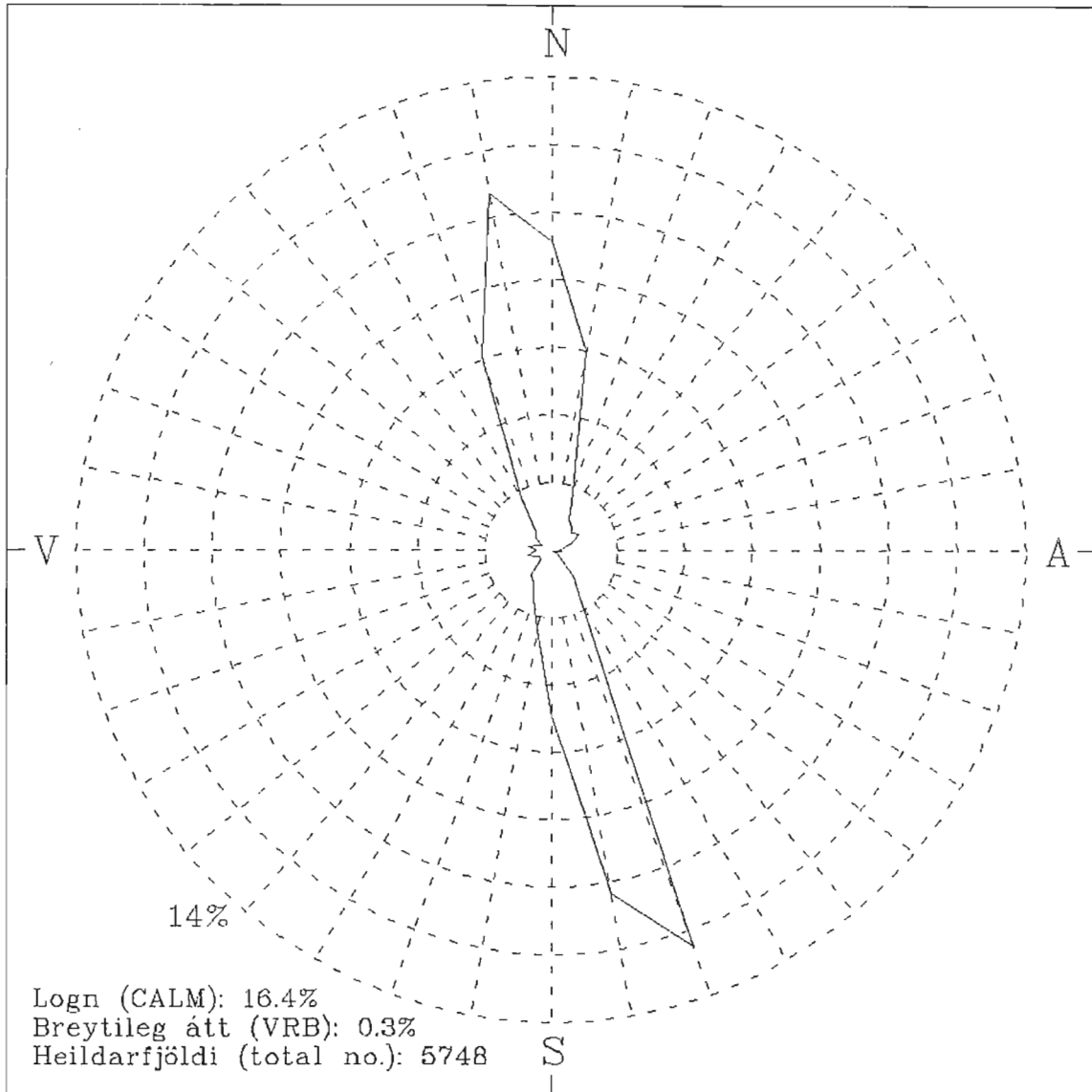


Tímabil (period): ALLT ÁRID 17.2.94-25.1.98 MET REPORT

SPECIAL-skeyti voru: 3 og eru ekki tekin með.

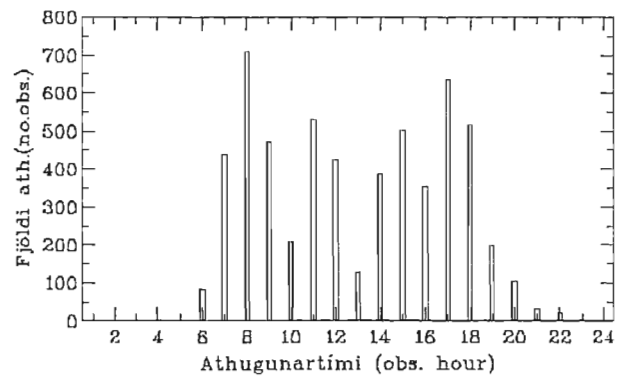
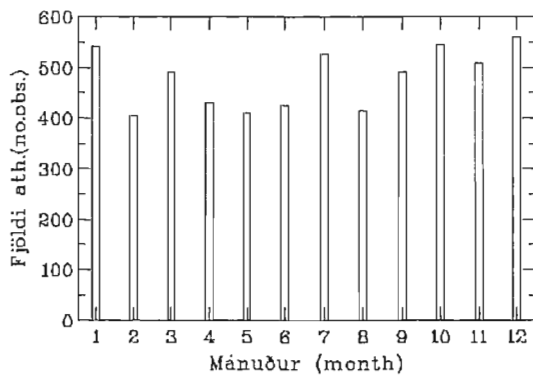


Sauðárkrókur BIKR

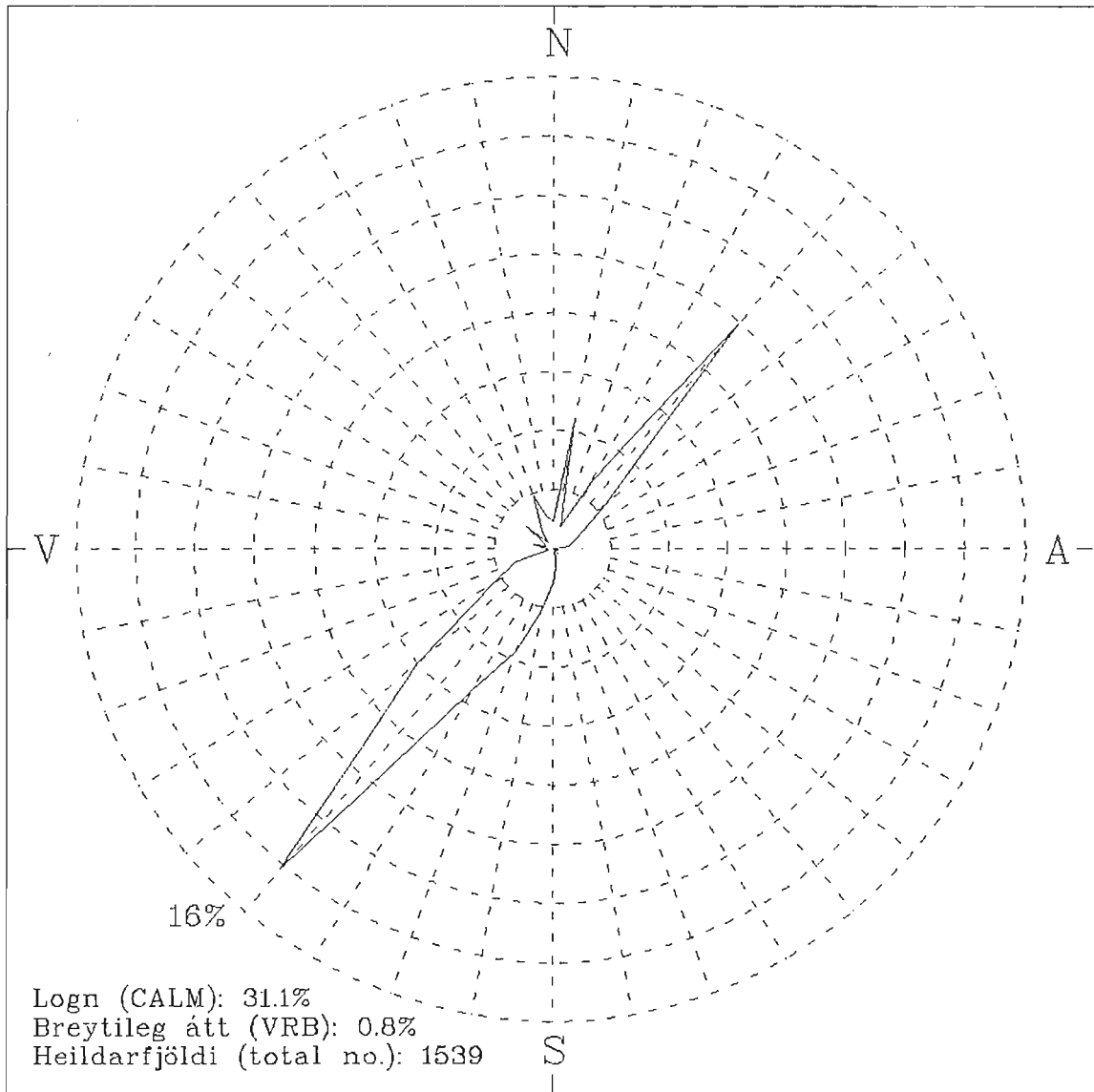


Tímabil (period): ALLT ÁRIÐ 17.2.94–25.1.98 MET REPORT

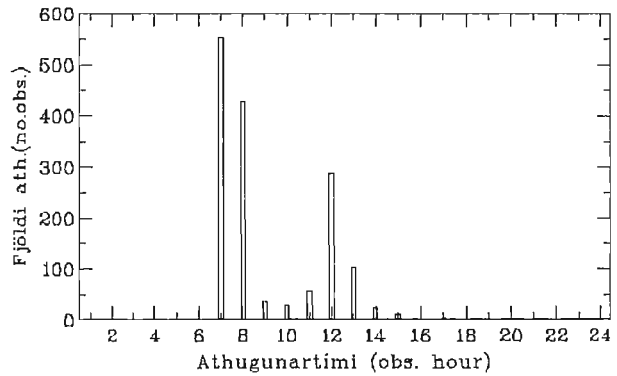
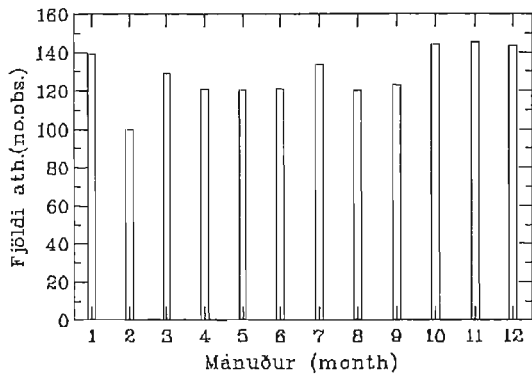
SPECIAL-skeyti voru: 2 og eru ekki tekin með.



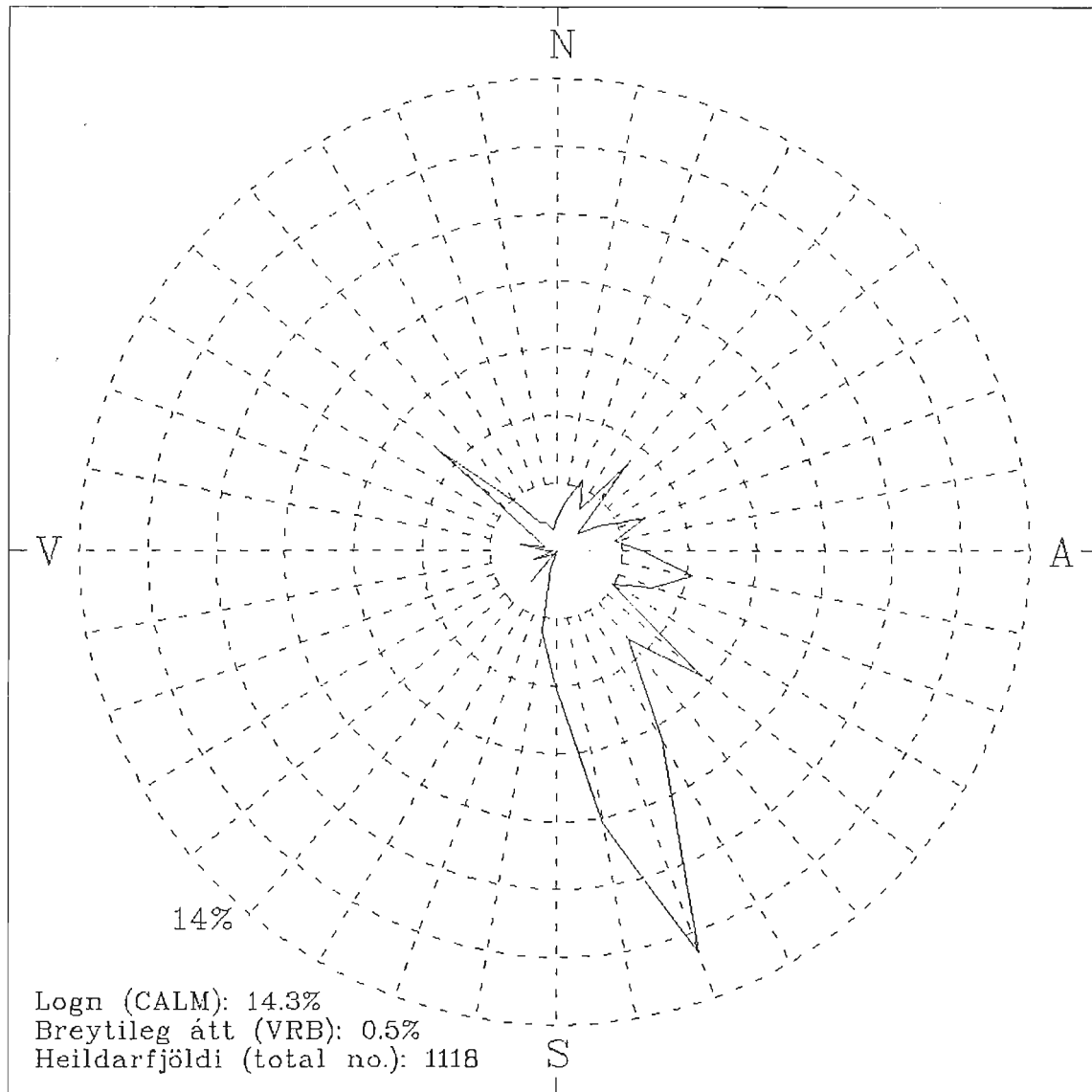
Vopnafjörður BIVO



Timabil (period): ALLT ÁRID 17.2.1994–25.1.1998 MET REPORT



Holt í Önundarfirði BIHT



Tímabil (period): ALLT ÁRID 17.2.94-27.8.97 MET REPORT

