

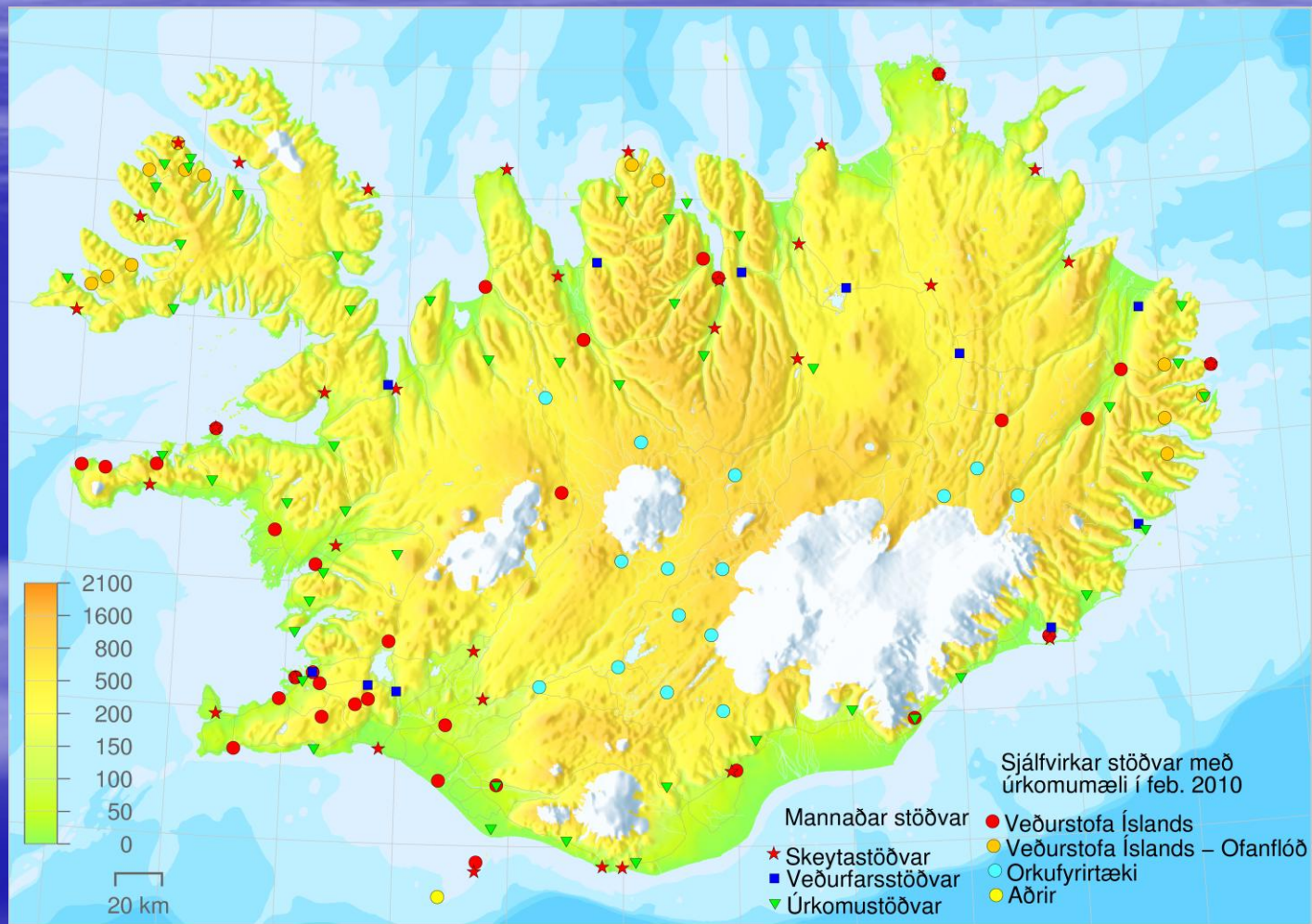


Sjálfvirkar úrkomumælingar og úrvinnsla þeirra

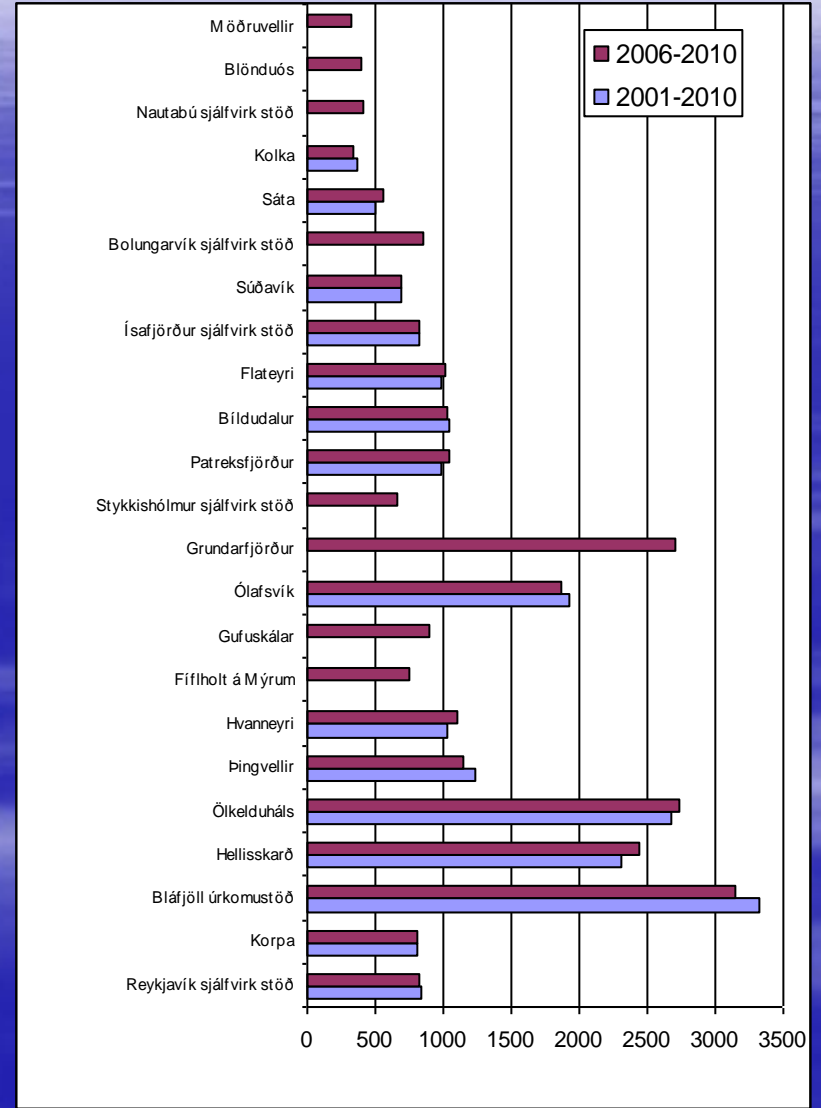
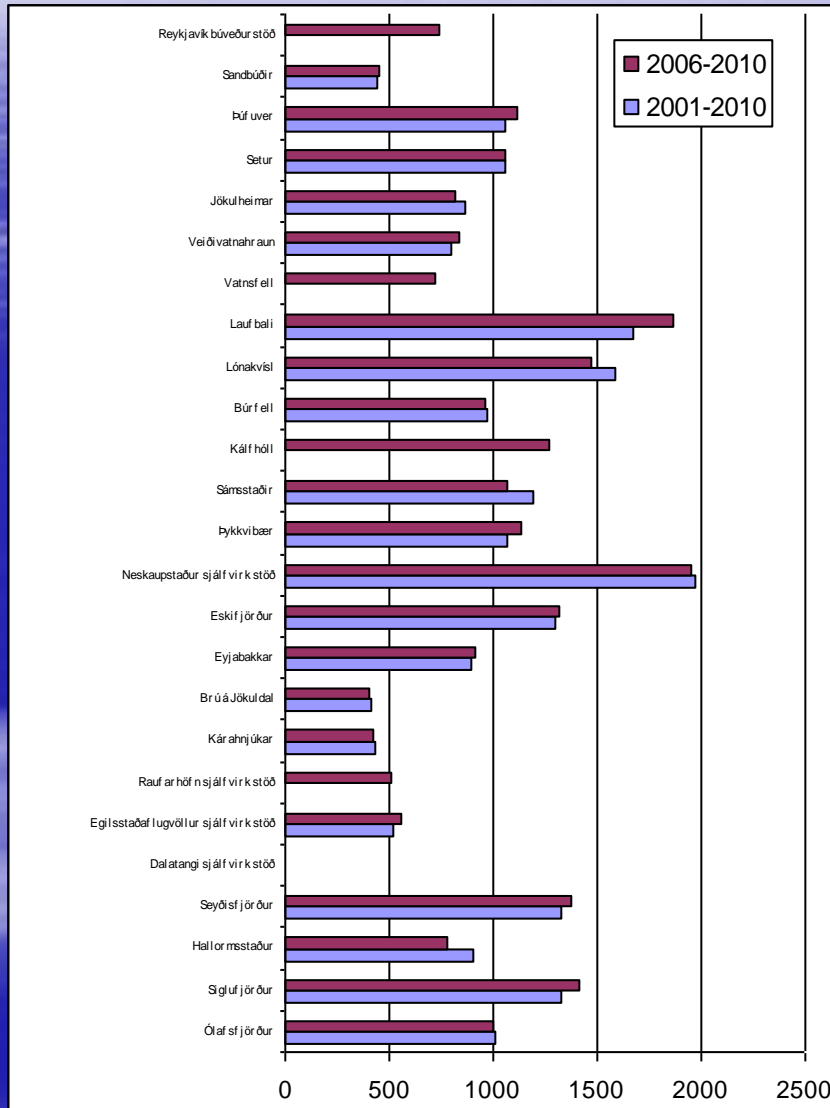
Þórunna Pálsdóttir

Þorraping Veðurfræðifélagsins 22. febrúar 2011

Úrkomumælingar á Íslandi



Meðalársúrkoma (50 stöðvar 2006-2010 og 35 stöðvar 2001-2010)



Aðferðin:

Kristján Ágústsson ofl. árið 1999

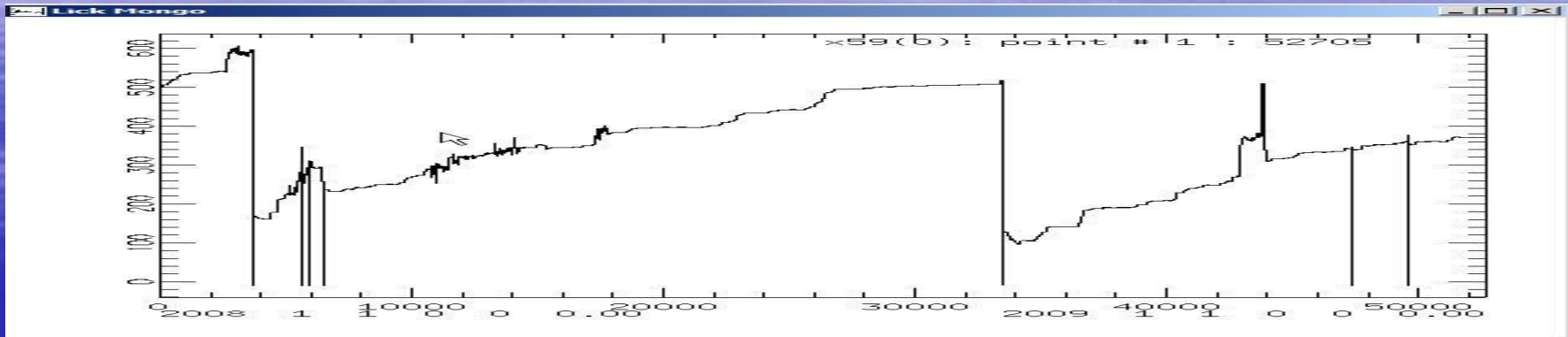
- Hrágögn handhreinsuð með forritinu **urhr**. Handhreinsaðar skrár eru geymdar.
- Fyllt í eyður með forritinu **fill**.
- Búið til klukkustundagildi með forritinu **geonor**. Suð er hreinsað og leiðrétt fyrir uppgufun. Hægt er að gera 6 tíma, 12 tíma o.s.frv. gildi uppsafnaðrar úrkomu en ekki ráðlegt að hafa færri mælingar en 6.

Aðferðin (framh.):

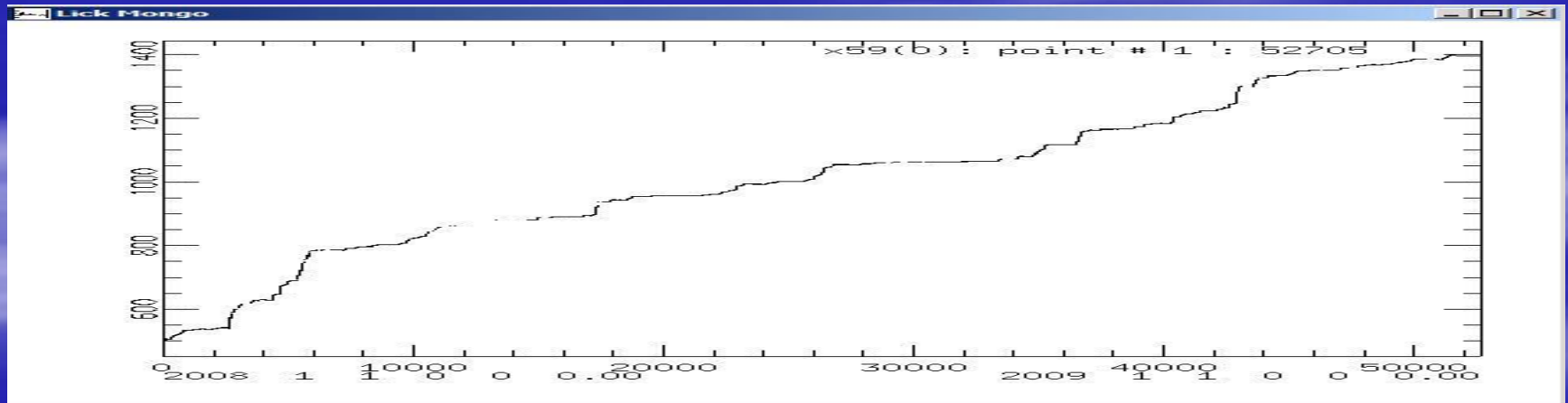
- Daggildi reiknuð og gögn vistuð í DB2:
Klukkustundagildi
ath.sj_klst
Daggildi þ.e. 00-24
ath.summa_dagur_sj_urk

Eyjabakkar

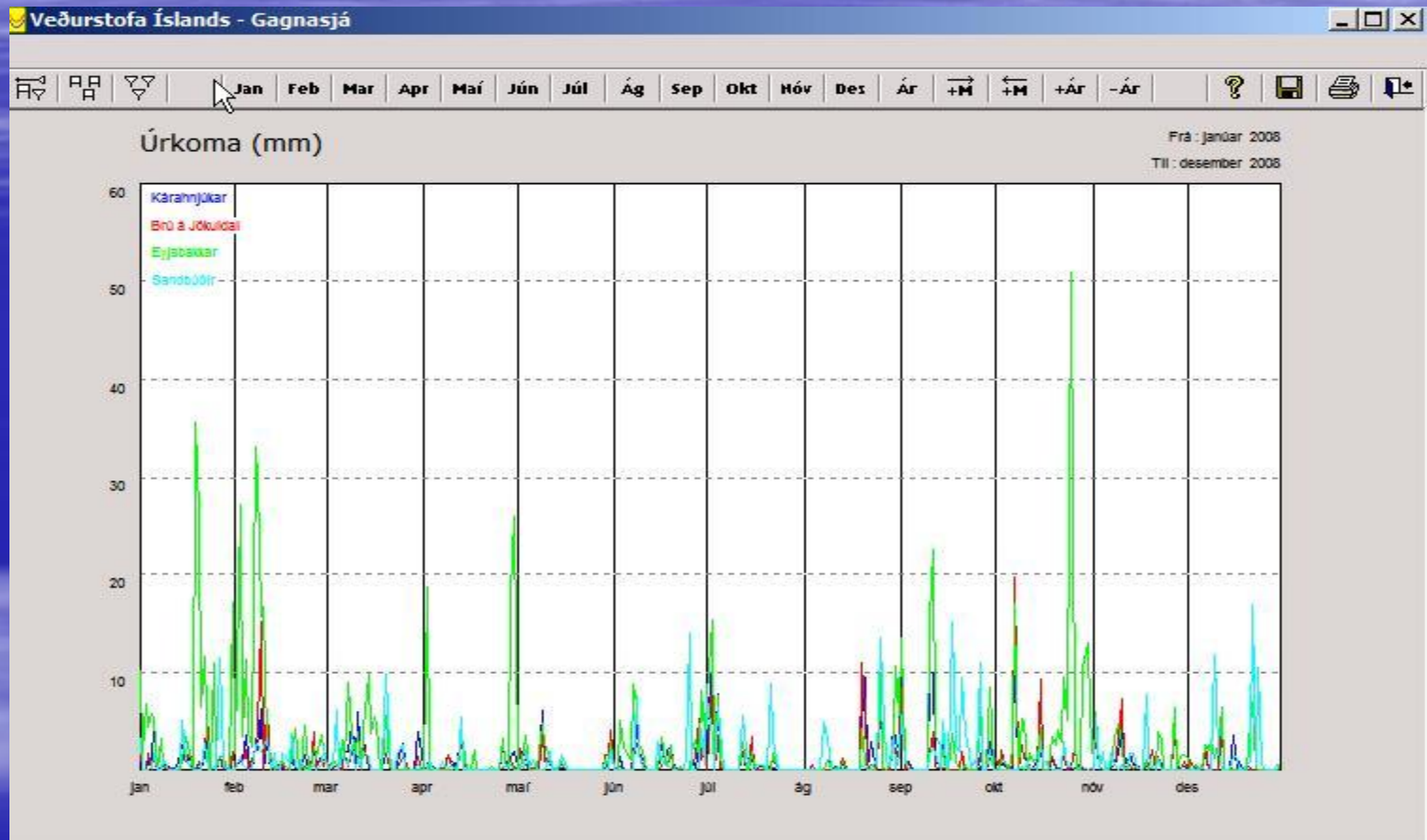
óhreinsað



hreinsað

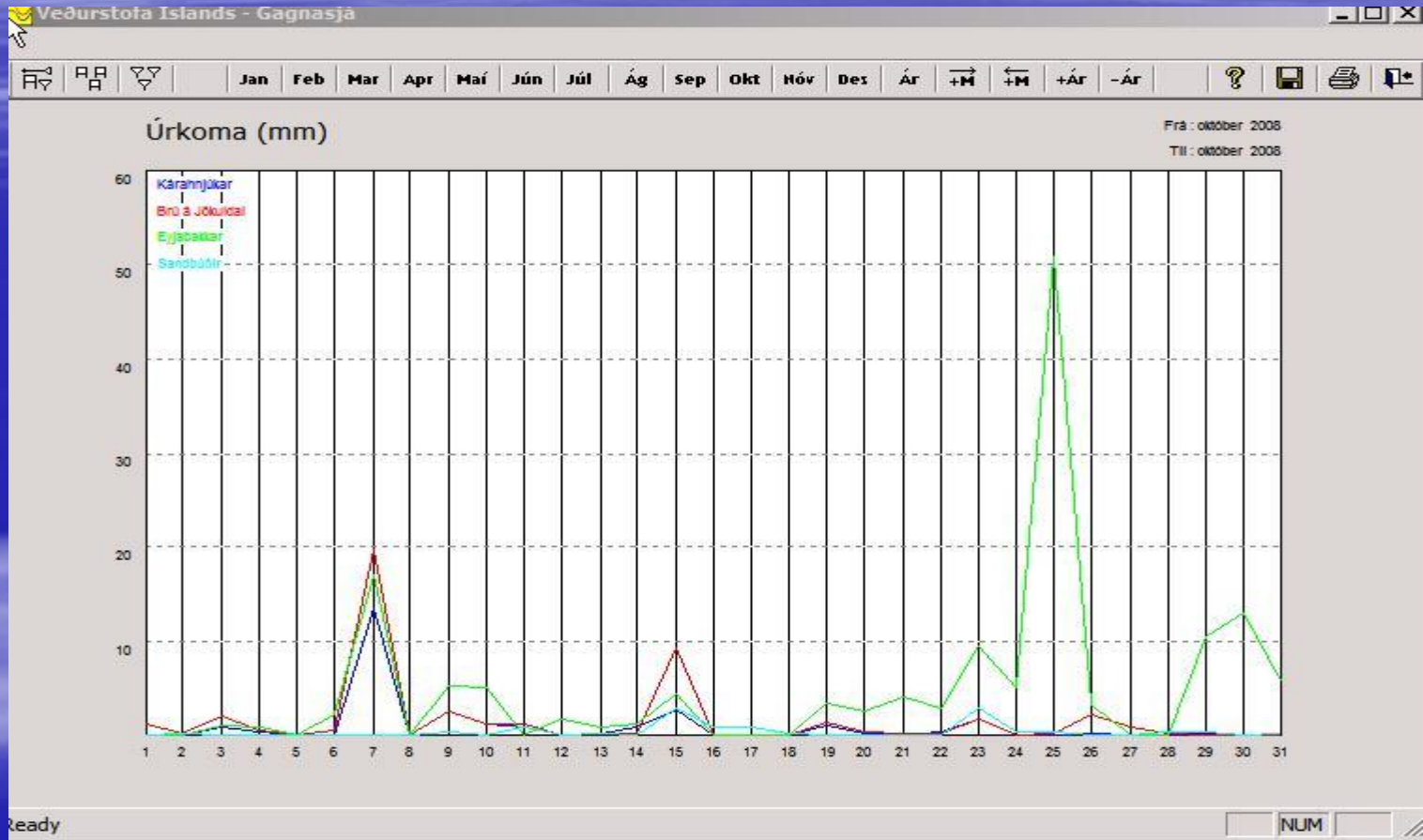


Sólarhringsúrcoma 2008



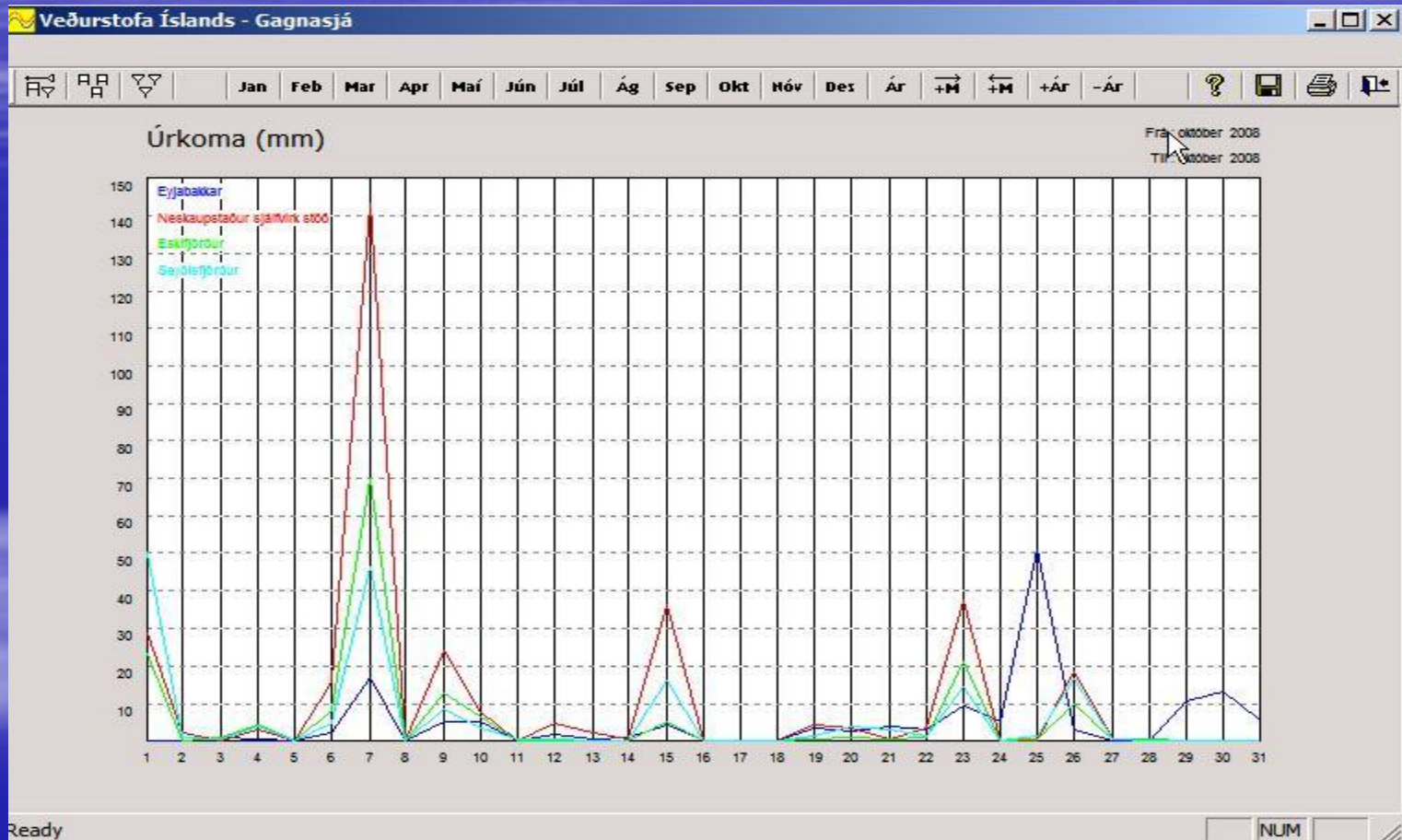
Október 2008

Kárahnj. Brú, Eyjabakkar, Sandb.



Október 2008

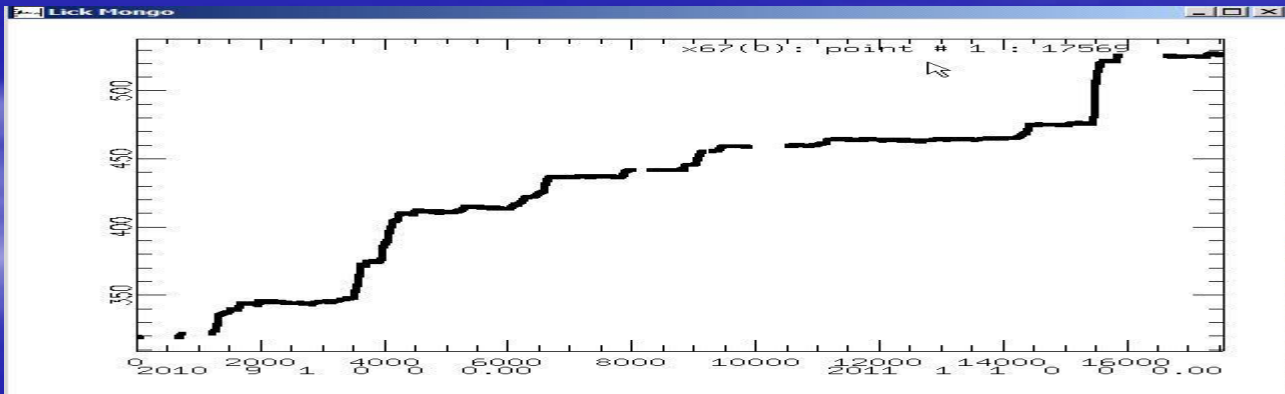
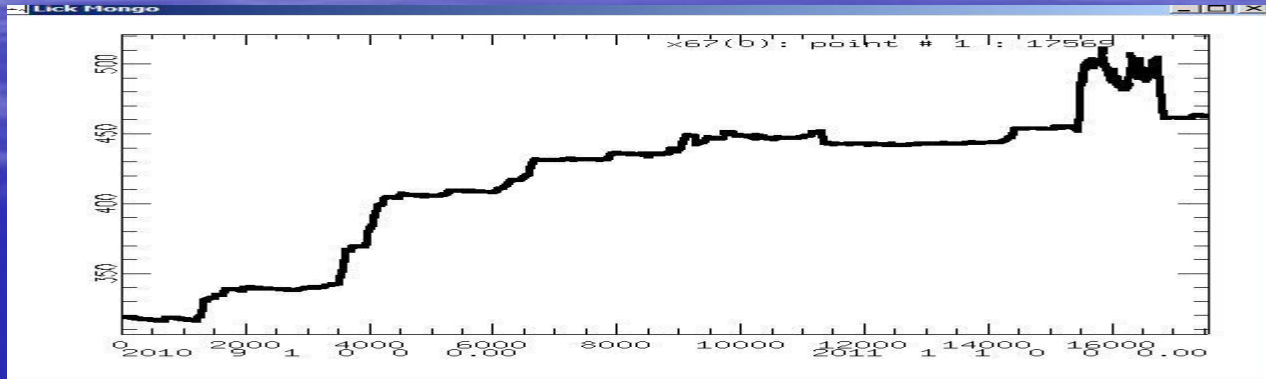
Eyjabakkar, Neskaupst., Eskifj. Seyðisfj.



Ready

NUM

Setur haust 2010 (6748)



		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
1361	Grindavík																862
																	365
1473	Straumsvík							247	333	869	835	550	971	356			
								171	122	365	366	365	365	222			
1475	Reykjavík sjálfvirk stöð			573	719	761	782	789	892	929	888	715	892	1096	863	670	587
				275	365	365	366	365	365	365	366	365	365	365	366	365	365
1479	Korpa						544	562	726	1061	1003	736	924	833	1010	808	467
							366	365	365	365	336	365	365	365	366	365	365
1481	Hólmsheiði														1277	756	677
															339	365	365
1485	Bláfjöll úrkomustöð			414	2999	3592	3066	3161	3713	3551	3979	3143	3235	4130	3502	2477	2417
				34	365	365	366	365	365	365	366	365	322	365	366	265	311
1490	Hellisskarð							2042	2350	2337	2055	2116	3022	2988	2393	2146	1646
								348	365	365	274	365	365	365	366	365	365
1493	Ölkelduháls							2396	2501	2657	3168	2357	3431	3662	2380	2421	1746
								349	365	365	366	365	365	365	366	365	365
1596	Þingvellir			1072	1167	1065	1219	1332	1500	1396	1078	1389	1568	1170	1045	581	
				306	365	366	365	365	365	365	300	365	365	365	366	365	213
1672	Ás í Melasveit											501					
												244					
1779	Hvanneyri					1053	849	960	812	970	1193	862	1280	1613	1069	901	640
						365	366	365	365	365	366	363	365	365	366	365	365
1868	Fíflholt á Mýrum												566	1044	879	701	550
													306	365	366	365	365
1919	Gufuskálar											829	1012	1266	895	777	558
												365	365	365	347	344	365
1924	Ólafsvík						944	1981	2075	1883	2357	1664	2032	3001	1860	1461	992
							271	365	365	365	366	365	267	365	366	365	365
1938	Grundarfjörður											2233	3336	3687	2610	2346	1581
												365	365	365	366	365	365
2050	Stykkishólmur sjálfvirk stöð											343	722	921	663	591	392
												204	365	365	366	365	365
2319	Patreksfjörður		576	1278	937	1245	1283	673	1002	828	1155	1009	1410	1201	1111	863	671
			249	365	365	366	366	314	365	298	366	365	365	267	366	320	365
2323	Tálknafjörður															816	747
																365	365
2423	Bíldudalur				256	859	935	1011	1010	1072	1298	935	1211	1406	1083	826	642
					97	365	366	365	365	365	366	365	365	365	366	365	365
2631	Flateyri			182	888	1292	1031	1027	911	837	1102	952	1099	1142	1062	1046	707
				72	365	365	366	365	365	365	336	366	365	365	366	365	365
2642	Ísafjörður sjálfvirk stöð				290	719	681	823	783	843	877	719	831	949	933	880	560
					98	365	366	365	365	365	366	365	365	365	366	365	365
2646	Súðavík					313	596	605	667	705	797	624	836	811	674	684	435
						95	366	365	365	365	366	365	365	365	392	365	365
2738	Bolungarvík sjálfvirk stöð							804				777	995	1001	873	809	596
								365				365	365	365	366	365	365

		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
3054	Sáta						73	437	334	402		553	600	547	502	463	661
							124	365	269	243		351	365	275	363	365	365
3225	Kolka		50	441	403	392	314	411	421	444	348	372	320	448	321	351	258
			71	365	365	365	366	365	365	319	318	365	365	364	343	365	356
3242	Nautabú sjálfvirk stöð											532	434	523	378	411	281
												330	365	365	366	365	365
3317	Blönduós											322	470	484	386	410	253
												365	365	365	366	365	365
3463	Möðruvellir											53	353	358	282	373	253
												61	365	365	366	365	365
3471	Akureyri - Krossanesbraut											20	381	348	293	407	314
												31	245	365	366	365	365
3658	Ólafsfjörður			192	1068	1135	1190	866	958	943	1222	1111	1031	909	912	1114	1044
				63	365	365	366	365	365	365	366	365	365	365	366	365	365
3752	Siglufjörður	100	682	1181	1458	1563	1577	1415	642			1451	1495	1249	1260	1708	1374
		53	304	303	365	365	366	365	181			365	365	365	366	365	365
4060	Hallormsstaður					165	839	667	1916	1375	592	608	839	660	621	985	794
						61	234	237	365	365	366	365	365	365	366	352	365
4180	Seyðisfjörður	72	1296	1188	1505	1198	1303	1309	1863	1101	1132	966	1361	1134	1231	1745	1409
		52	366	365	365	365	366	318	365	345	366	365	365	365	366	365	365
4193	Dalatangi sjálfvirk stöð												416	1129	1089	1385	776
													92	365	366	365	243
4271	Egilsstaðaflugvöllur sjálfvirk stöð				199	439	468	413	639	439	457	463	584	531	419	650	581
					61	365	366	365	365	365	366	365	365	365	366	365	365
4828	Raufarhöfn sjálfvirk stöð											510	421	569	496	610	435
												220	365	365	366	365	365
5316	Kvisker sjálfvirk stöð															2505	2224
																246	273
5544	Höfn í Hornafirði sjálfvirk stöð														902	1164	802
															332	365	365

		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
5825	Brúaröræfi													492	484	505	398
														365	366	365	365
5860	Líkarvatn						215	707	1332	1281	1281		1196	783			
							44	305	215	365	315		306	259			
5933	Kárahnjúkar				34	283	339	356	477	389	454	534	452	403	331	520	405
					46	365	366	365	365	365	366	365	365	365	366	365	365
5940	Brú á Jökuldal				63	400	417	339	589	428	364	421	414	366	300	482	477
					45	365	366	337	365	365	366	365	365	365	366	365	365
5943	Eyjabakkar					695	755	682	947	785	981	1011	1208	687	931	892	835
						365	366	365	365	365	366	365	365	365	366	365	365
5981	Eskifjörður				510	1133	968	1187	1951	1183	1171	920	1120	1068	1153	1706	1554
					70	365	366	351	365	365	366	365	276	365	366	365	365
5982	Fáskrúðsfjörður Ljósaland														2542	1026	2086
															366	205	365
5990	Neskaupstaður sjálfvirk stöð			516	1907	1583	1869	2105	2579	1884	1865	1469	2147	1725	1698	2234	1959
				67	365	365	366	365	365	365	366	365	365	365	366	365	365
6012	Surtsey															668	887
																224	365
6015	Vestmannaeyjabær														1425	1411	1048
															366	365	365
6134	Öndarfiom																850
																	246
6208	Þykkvibær		118	584	617	850	832	938	1189	896		947	1192	1508	1052	1051	873
			32	200	275	244	318	339	365	243		365	365	365	366	365	365
6222	Sámsstaðir						877	861	1624	1712	1508	864	1140	1401	1106	931	763
							184	161	365	363	366	365	365	365	366	365	365
6272	Kirkjubæjarklaustur - Stjómarsandur												717	1699	1260	1264	1150
													122	365	366	365	365

		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
6310	Kálfhöll											1089	1400	1536	1286	1203	905
												365	365	365	366	365	365
6430	Búrfell		69	908	767	994	944	998	847	1093	1127	877	1094	1226	1000	880	590
			71	365	365	344	366	365	365	365	366	365	365	347	366	365	365
6459	Lónakvísl					320	1340	1027	2212	1964	1954	1298	1906	1464	1444	1379	1182
						102	335	365	365	349	366	365	365	365	366	365	342
6472	Laufbali						757	1337	2825	1494	177	1614	2049	1710	1761	1961	1834
							124	295	365	243	30	365	344	365	366	365	365
6546	Vatnsfell										80	709	649	925	699	681	640
											31	365	325	365	366	365	365
6657	Veiðivatnahraun	229	645	589	575	604	614	766	835	976	560	717	1069	902	718	785	690
		115	366	365	365	365	366	365	365	365	182	365	365	365	366	365	365
6670	Jökulheimar					240	518	668	890	1034	1279	692	1034	901	829	653	686
						163	366	365	353	365	366	289	365	364	357	352	343
6748	Setur			249	826	990	749	1027	751	1058	1490	935	1313	1333	1041	822	769
				92	365	365	313	365	290	334	366	365	335	322	366	327	365
6760	Þúfuver		25	793	687	641	556	767	900	1217	1095	1037	1420	1374	1073	933	782
			42	365	365	365	366	365	365	365	306	365	365	365	366	365	365
6776	Hágöngur										293	587	797	913	805	680	425
											128	341	365	350	345	365	272
6935	Hveravellir sjálfvirk stöð								325	864	898	684	953	1178	615	598	410
									188	365	366	360	365	365	312	316	365
6975	Sandbúðir				35	351	312	442	414	434	434	408	505	559	395	498	305
					41	365	366	365	365	365	366	365	365	365	366	365	365
7475	Reykjavík búveðurstöð											272	644	1076	821	622	533
												122	283	365	366	365	365

Að lokum

- Sjálfvirkar úrkomumælingar skila mikilvægum upplýsingum
- Erfiðisins virði að vinna úr hálandisstöðvum
- Aðferðin er komin til ára sinna og þarfnast andlitslyftingar
- Veðurskynjara þarf á stöðvarnar svo hægt sé að greina á milli þurra (sólar-) daga og daga þegar úrkomu varð vart (0.0 mm)
- Hægt er að nota forritið **urhr** til hreinsunar snjódyptarmælinga

Snjódýpt í Ólafsfirði 2008-2009

