

# **Supplement of**

## **Detailed analysis of changes in glacier dynamics at the northern Antarctic Peninsula since 1985**

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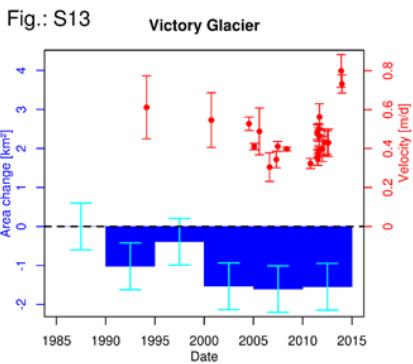
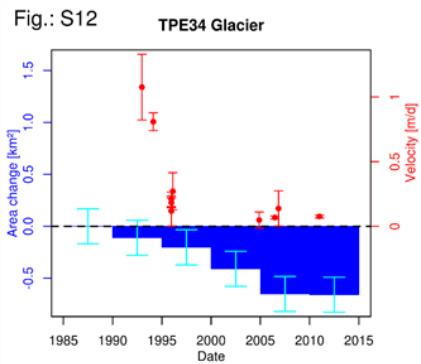
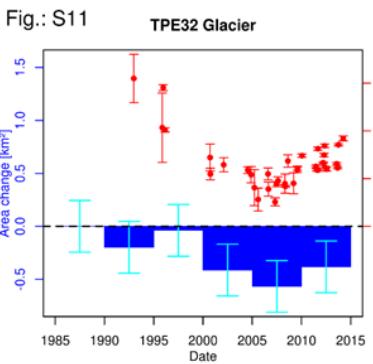
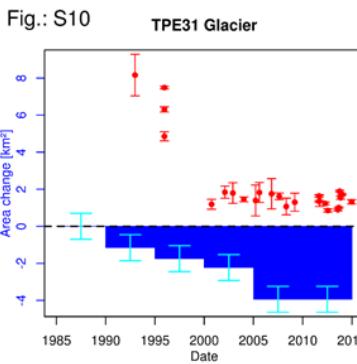
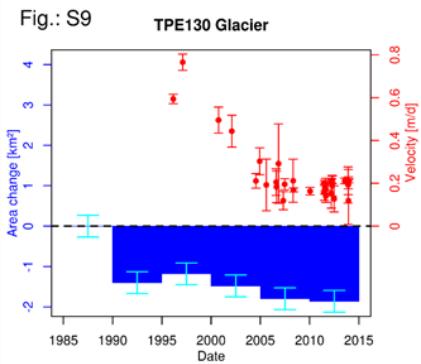
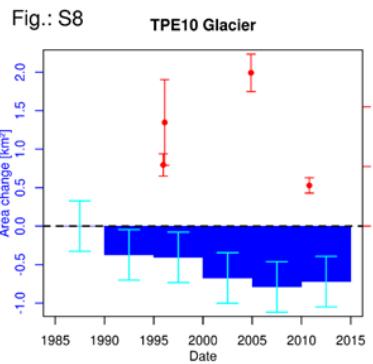
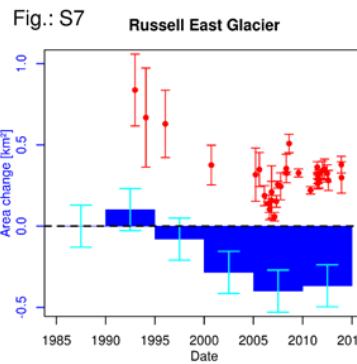
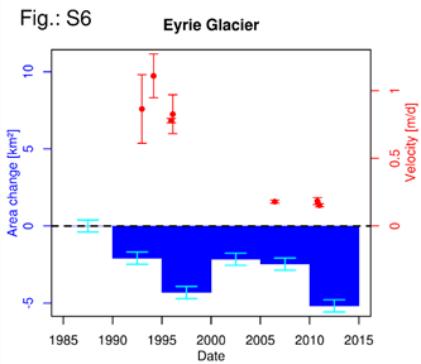
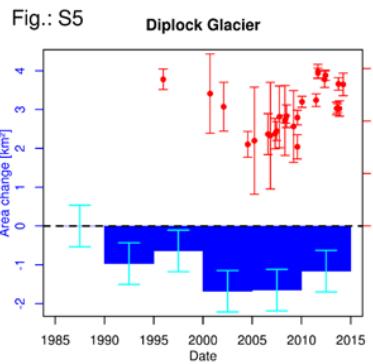
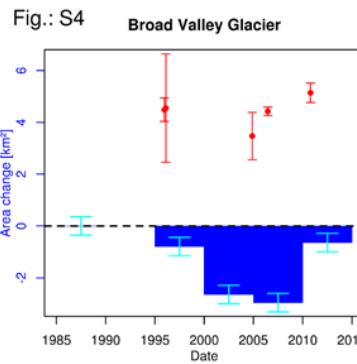
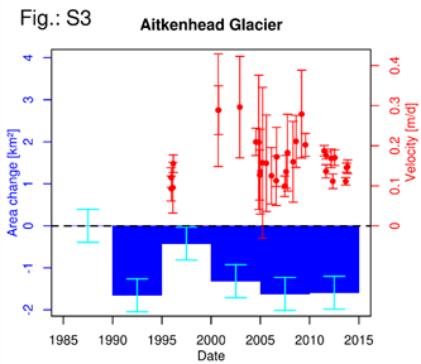
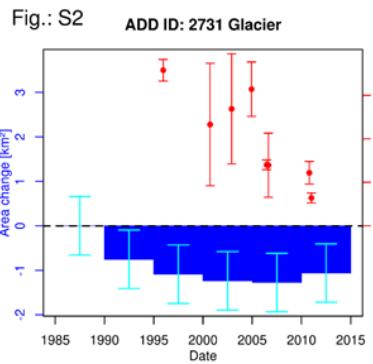
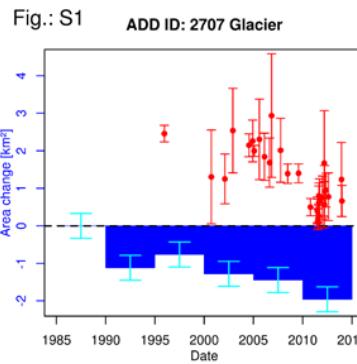
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### **Overview:**

**Figure S1-S74: Temporal changes in glacier area and flow speed**

**Table S1: Uncertainties of intensity tracking results**

**Table S2: Observe parameters of the individual glaciers**



**Figure S1-S13:** Temporal trend of surface velocity (red) and area (blue) changes of glaciers in sector "East".

Fig.: S14 ADD ID: 2558 Glacier

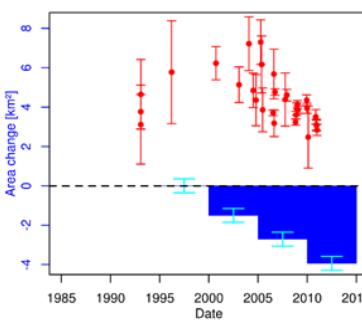


Fig.: S15 ADD ID: 2668 Glacier

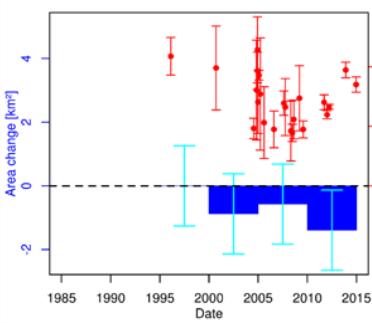


Fig.: S16 APPE Glacier

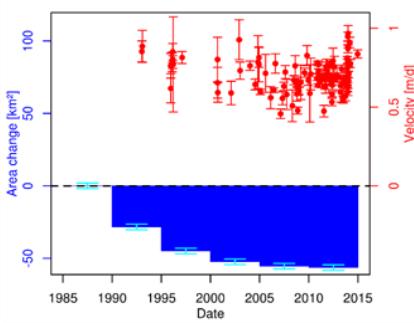


Fig.: S17 Arronicefall Glacier

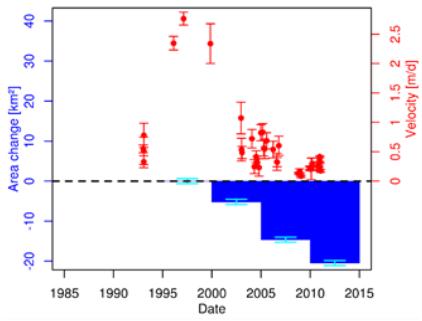


Fig.: S18 Boydell Glacier

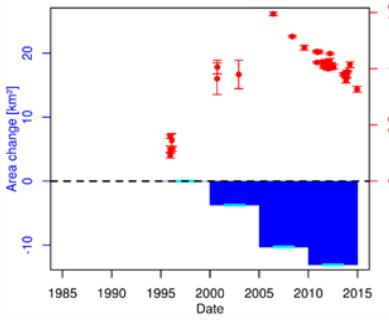


Fig.: S19 DBE Glacier

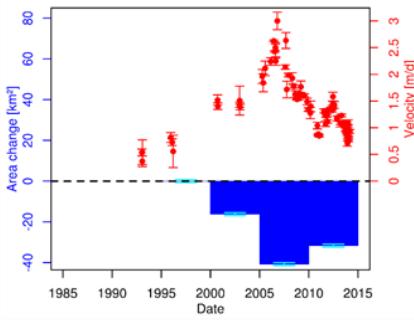


Fig.: S20 Drygalski Glacier

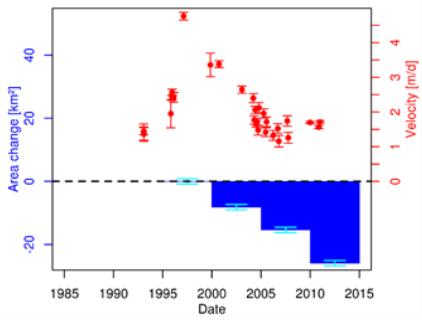


Fig.: S21 LAB2 Glacier

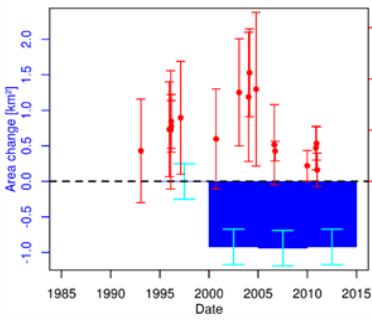


Fig.: S22 LAB32 Glacier

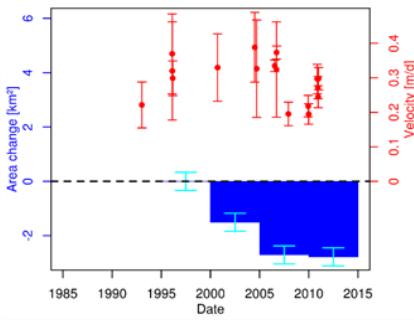


Fig.: S23 Sjögren Glacier

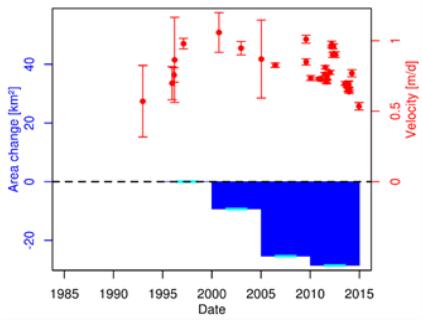


Fig.: S24 TPE114 Glacier

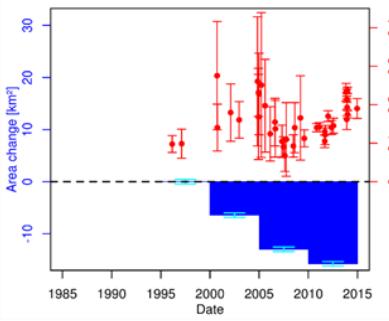


Fig.: S25 TPE61 Glacier

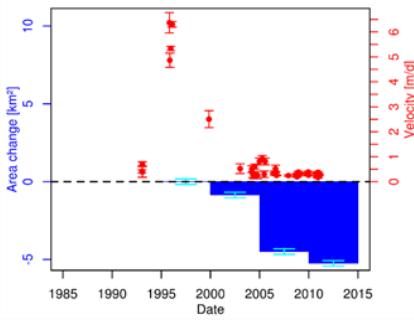


Fig.: S26 TPE62 Glacier

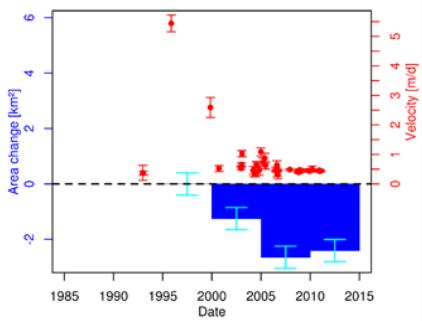
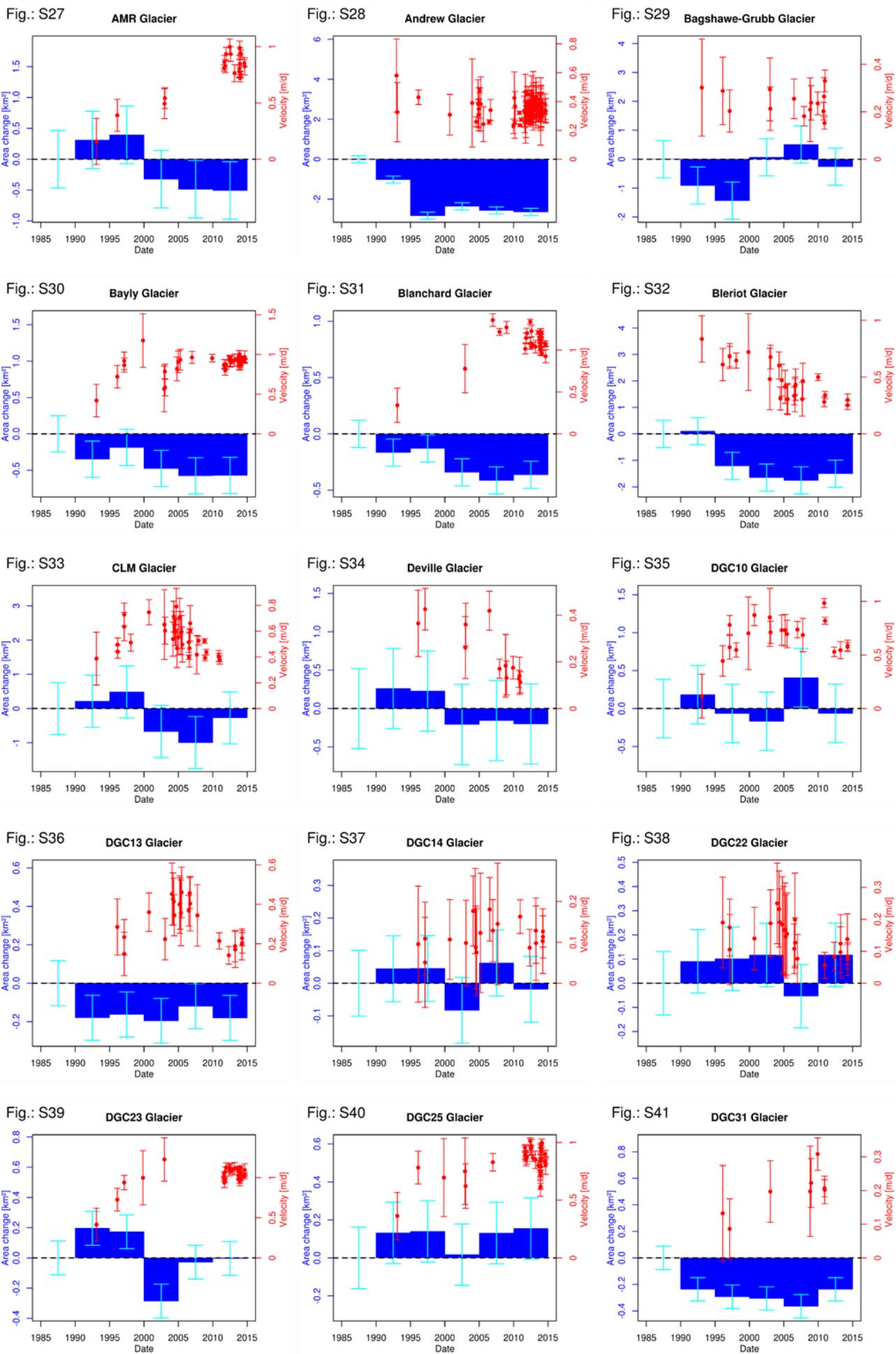
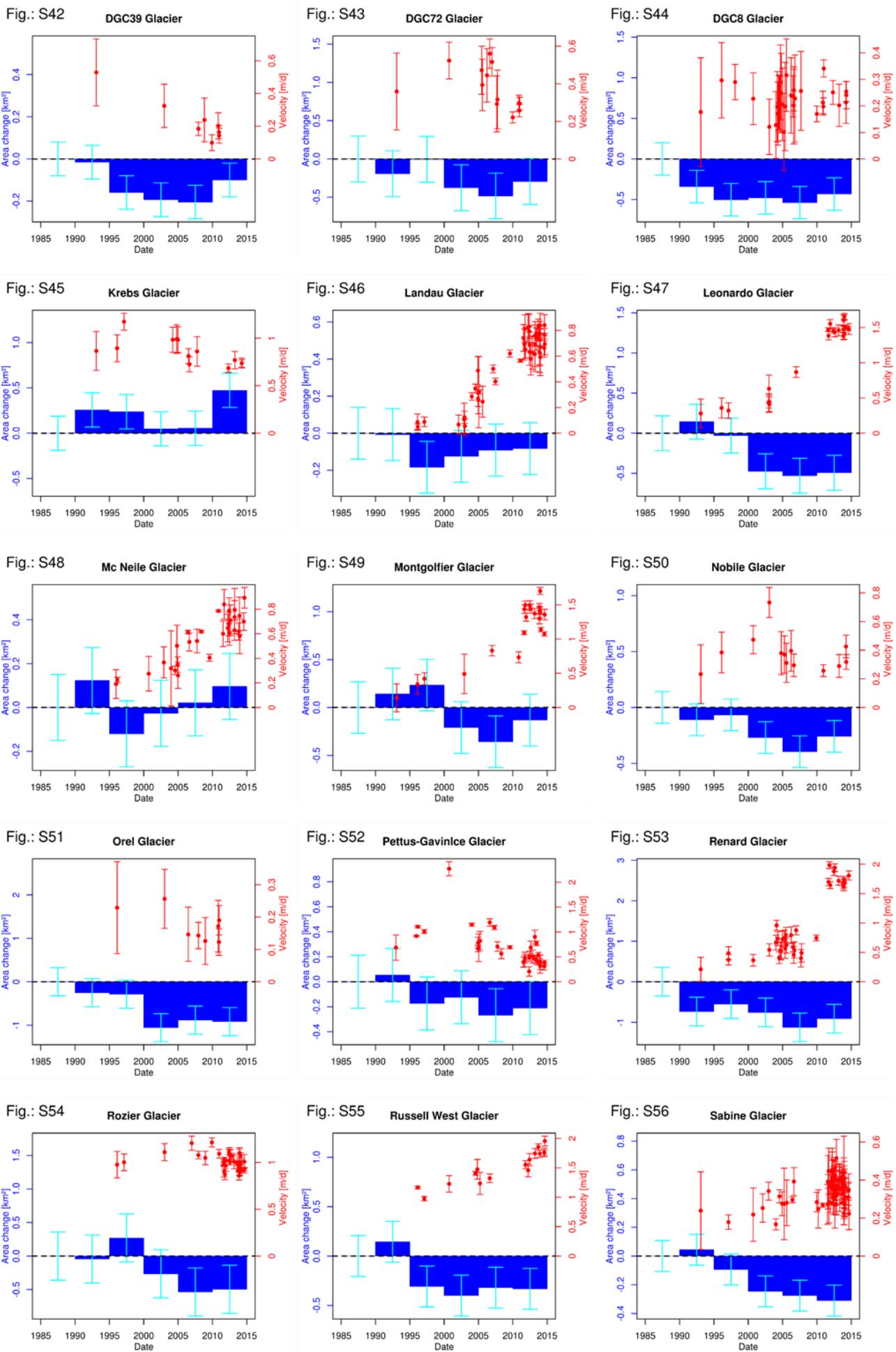


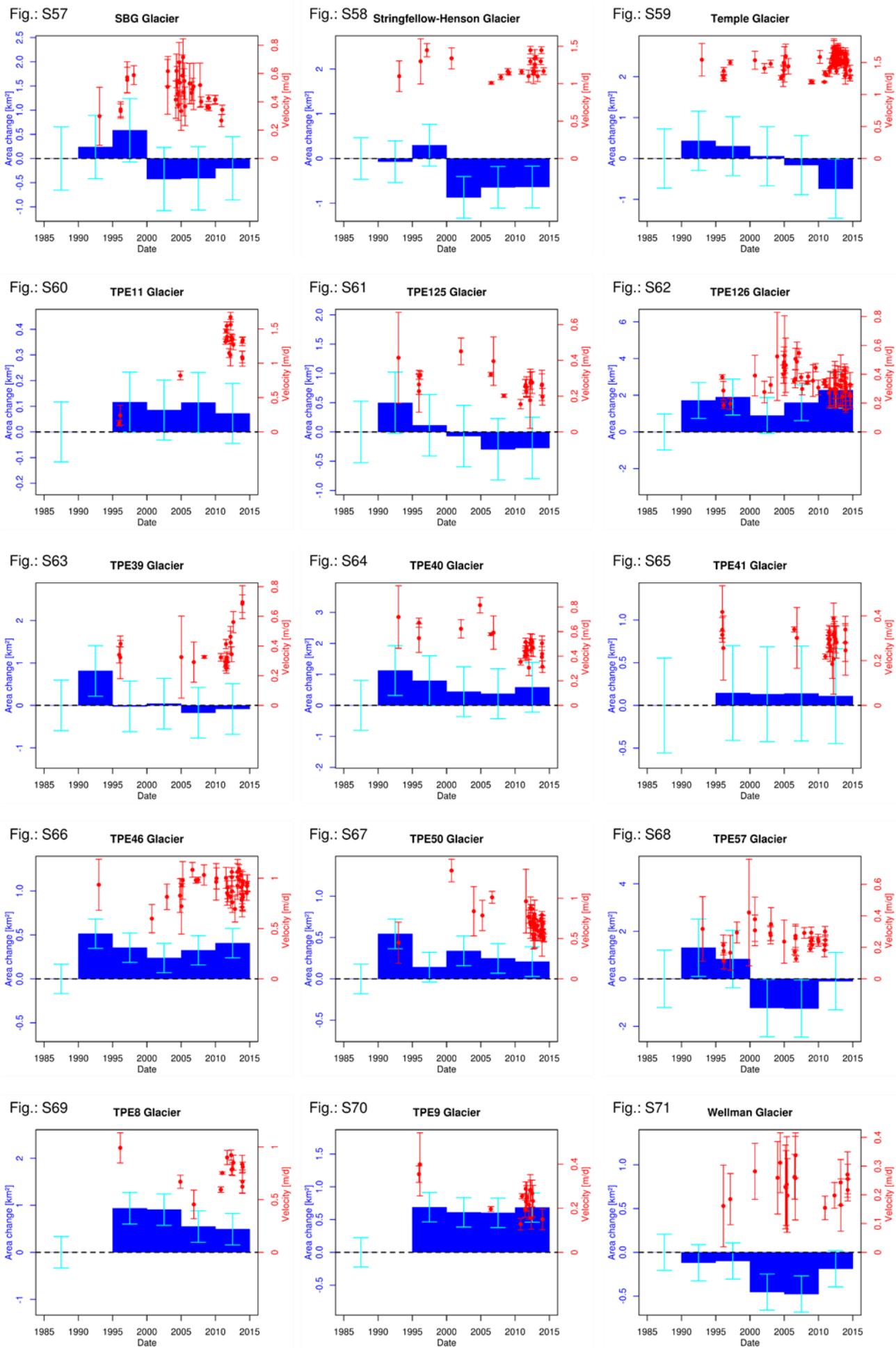
Figure S14-S26: Temporal trend of surface velocity (red) and area (blue) changes of glaciers in sector "East-Ice-Shelf".



**Figure S27-S41:** Temporal trend of surface velocity (red) and area (blue) changes of glaciers in sector "West".



**Figure S42-S56:** Temporal trend of surface velocity (red) and area (blue) changes of glaciers in sector "West".



**Figure S57-S71:** Temporal trend of surface velocity (red) and area (blue) changes of glaciers in sector "West".

Fig.: S72 Wheatstone Glacier

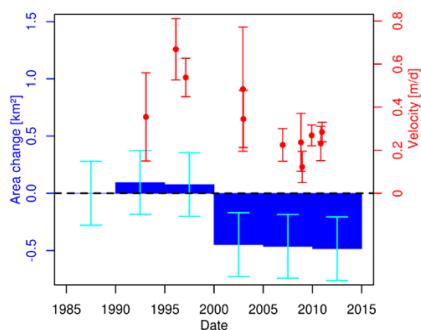


Fig.: S73 Whitecloud Glacier

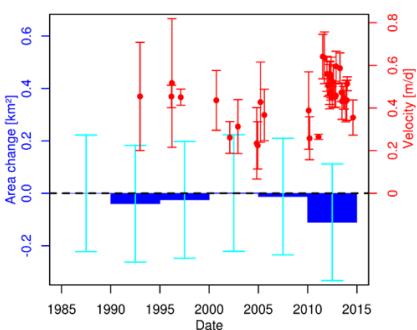
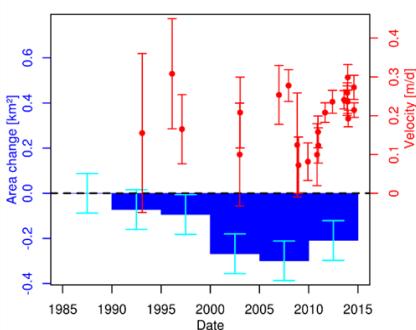


Fig.: S74 Woodbury Glacier

**Figure S72-S74:** Temporal trend of surface velocity (red) and area (blue) changes of glaciers in sector "West".

**Table S1:** Observed parameters of the individual glaciers.  $l_f$  – length of ice front;  $A$  – Glacier area in the respective period;  $dA$  – Change in glacier area between 1985 and 2015; Area change category – see definition in Section 4.1; Date  $v_s$  - date of first velocity measurement; Date  $v_E$  – date of last velocity measurement;  $dt$  - mean time period of velocity measurements,  $v_s$  – mean of earliest velocity measurements (1992-1996);  $v_E$  – mean of latest velocity measurements (2010-2014),  $dv$  – mean velocity change;  $n_v$  – sum of velocity measurements in the observation period ( $dt$ ); Velocity change category – see definition in Table 3;  $h_{max}$  – average maximum altitude of individual basins,  $HI$  – Hypsometric Index of the basin; Hypsometric category – see Table 4;  $FA$  – Flux gate to catchment size ratio; Group – Classification of glaciers in sector “West” according to the hierarchical cluster analysis in Section 4.4.

Sector	Basin	$l_f$ [m]	$A_{1985-1990}$ [km $^2$ ]	$A_{2010-2015}$ [km $^2$ ]	$dA$ [km $^2$ ]	Area change category	Date $v_s$ [yyyy-mm-dd]	Date $v_E$ [yyyy-mm-dd]	$dt$ [a]	$v_s$ [m d $^{-1}$ ]	$v_E$ [m d $^{-1}$ ]	$dv$ [m d $^{-1}$ ]	$dv$ [%]	$n_v$	Vel. change category	$h_{max}$ [m a.s.l.]	$HI$	Hypsometric category	$FA$	Group	
East	ADD ID: 2707	5535	28.78	26.82	-1.96	retreated	1994-02-01	2013-12-24	19.91	0.553	0.107	-0.446	-80.690	35	decreased	1278	5.14	very bottom-heavy	0.0056		
	ADD ID: 2731	10955	56.92	55.85	-1.06	retreated	1995-12-18	2010-12-31	15.05	0.358	0.093	-0.265	-73.985	12	decreased	1327	2.93	very bottom-heavy	0.0055		
	Aitkenhead	6532	156.70	155.11	-1.59	retreated	1995-12-18	2014-03-27	18.28	0.108	0.147	0.039	36.646	46	peak	1746	-1.23	top-heavy	0.0024		
	Broad Valley	5948	246.73	246.08	-0.64	retreated	1994-02-01	2010-12-31	16.92	0.743	0.230	-0.512	-68.969	10	stable	1118	-1.02	equidimensional	0.0005		
	Diplock	8916	235.30	234.14	-1.16	retreated	1995-12-18	2014-12-16	19.01	0.559	0.618	0.059	10.626	33	trough	1845	-1.44	top-heavy	0.0017		
	Eryie	6570	89.53	84.35	-5.18	retreated	1992-12-25	2010-12-31	18.03	0.865	0.169	-0.696	-80.499	7	decreased	1076	2.39	very bottom-heavy	0.0035		
	Russell East	2156	93.75	93.38	-0.37	retreated	1992-12-25	2013-12-07	20.96	0.963	0.389	-0.573	-59.559	34	decreased	1370	1.48	bottom-heavy	0.0035		
	TPE10	5465	225.96	225.24	-0.72	retreated	1994-02-01	2010-12-31	16.92	0.633	0.102	-0.531	-83.928	9	peak	1386	1.43	bottom-heavy	0.0033		
	TPE130	4493	40.58	38.72	-1.86	retreated	1994-02-01	2013-12-24	19.91	0.244	0.201	-0.043	-17.777	36	peak	983	2.07	very bottom-heavy	0.0076		
	TPE31	11684	52.70	48.76	-3.94	retreated	1992-12-25	2014-12-16	21.99	1.844	0.344	-1.500	-81.352	25	decreased	1490	3.50	very bottom-heavy	0.0076		
	TPE32	4071	108.63	108.24	-0.38	retreated	1992-12-25	2014-03-27	21.27	1.549	0.755	-0.794	-51.271	36	decreased	1646	1.46	bottom-heavy	0.0037		
	TPE34	2814	22.91	22.25	-0.66	retreated	1992-12-25	2010-12-31	18.03	1.076	0.076	-1.000	-92.937	10	decreased	500	-1.37	top-heavy	0.0023		
	Victory	9975	180.30	178.75	-1.55	retreated	1995-12-18	2013-12-24	18.03	3.448	0.765	-2.683	-77.809	26	trough	1645	2.11	very bottom-heavy	0.0041		
Summary	mean									18.79	0.995	0.307	-0.688	-69.121			1339				
East	sum	85114	1538.78	1517.71	-21.07										319						
East-Ice-Shelf	ADD ID: 2558	5890	60.2433	56.31	-3.94	retreated	1993-01-29	2010-12-29	17.93	0.435	0.353	-0.082	-18.758	30	peak	1840	9.08	very bottom-heavy	0.0067		
	ADD ID: 2668	20996	162.324	160.93	-1.39	retreated	1996-02-13	2014-12-16	18.85	0.435	0.340	-0.095	-21.821	27	peak	1342	2.88	very bottom-heavy	0.0041		
	APPE	31872	696.24	639.85	-56.39	retreated	1993-01-12	2014-12-16	21.94	0.869	0.853	-0.015	-1.766	114	fluctuating	1964	1.82	very bottom-heavy	0.0003		
	Arron Icefall	10557	152.356	131.88	-20.48	retreated	1993-01-12	2011-01-22	18.04	0.532	0.288	-0.244	-45.793	39	peak	1979	-1.08	equidimensional	0.0061		
	Boydell	1954	108.039	94.95	-13.09	retreated	1995-12-18	2014-12-16	19.01	0.290	0.975	0.685	236.007	38	peak	1842	-1.07	equidimensional	0.0009		
	DBE	12140	658.91	627.24	-31.67	retreated	1993-01-12	2014-02-27	21.14	0.535	0.950	0.415	77.569	88	peak	2167	1.37	bottom-heavy	0.0011		
	Drygalski	14018	990.41	964.49	-25.92	retreated	1993-01-29	2010-12-29	17.93	1.422	1.641	0.219	15.374	29	peak	2043	1.60	very bottom-heavy	0.0003		
	LAB2	4157	38.3889	37.47	-0.92	retreated	1993-01-29	2010-12-29	17.93	0.060	0.065	0.006	9.726	17	peak	1779	3.76	very bottom-heavy	0.0046		
	LAB32	5534	66.3816	63.60	-2.78	retreated	1993-01-12	2010-12-29	17.97	0.221	0.284	0.063	28.300	19	stable	1841	3.21	very bottom-heavy	0.0046		
	Sjögren	3838	329.298	300.73	-28.57	retreated	1992-12-25	2014-12-16	21.99	0.570	0.638	0.068	11.897	42	peak	1926	1.97	very bottom-heavy	0.0014		
	TPE114	7310	126.385	110.61	-15.78	retreated	1996-02-29	2014-12-16	18.81	0.998	0.183	0.084	85.924	56	stable	1759	2.96	very bottom-heavy	0.0014		
	TPE61	2943	54.3413	49.09	-5.25	retreated	1993-01-12	2011-01-22	18.04	0.406	0.276	-0.130	-31.942	42	peak	1981	2.78	very bottom-heavy	0.0022		
	TPE62	6700	211.811	209.40	-2.41	retreated	1992-12-25	2011-01-22	18.09	0.372	0.448	0.076	20.424	43	peak	2118	2.43	very bottom-heavy	0.0013		
Summary	mean									19.05	0.480	0.561	0.081	16.811			1891				
East-Ice-Shelf	sum	127909	3655.13	3446.54	-208.59										584						
West	AMR	7773	137.24	136.73	-0.51	retreated	1993-02-01	2014-08-22	21.57	0.157	0.837	0.679	431.515	21	increased	1884	-3.82	very top-heavy	0.0021	1	
	Andrew	2951	47.05	44.41	-2.64	retreated	1992-12-25	2014-08-27	21.68	0.453	0.358	-0.095	-21.030	119	decreased	1731	1.99	very bottom-heavy	0.0057	4	
	Bagshawe-Grubb	10720	280.43	280.17	-0.26	stable	1993-02-01	2010-12-22	17.90	0.302	0.233	-0.069	-22.782	14	stable	2169	-2.88	very top-heavy	0.0019	1	
	Bayly	4149	47.89	47.32	-0.57	retreated	1993-02-01	2014-08-22	21.57	0.419	0.912	0.493	117.584	42	increased	1529	-1.06	equidimensional	0.0027	2	
	Blanchard	2005	38.00	37.63	-0.36	retreated	1993-02-01	2014-08-22	21.57	0.341	1.084	0.744	218.153	31	increased	2060	1.53	very bottom-heavy	0.0025	2	
	Bleriot	8527	182.20	180.69	-1.50	retreated	1993-02-01	2014-04-10	21.20	0.836	0.300	-0.536	-64.134	30	decreased	1943	1.28	bottom-heavy	0.0019	3	
	CLM	12682	809.85	809.58	-0.27	stable	1993-02-01	2010-12-29	17.92	0.388	0.396	0.008	2.157	34	peak	2191	1.13	equidimensional	0.0016	2	
	Deville	8699	34.99	34.79	-0.20	stable	1996-02-15	2010-12-22	14.86	0.364	0.127	-0.237	-65.116	12	decreased	1389	-1.19	equidimensional	0.0025	3	
	DGC10	6423	23.47	23.40	-0.06	stable	1993-02-01	2014-04-10	21.20	0.116	0.580	0.465	401.477	24	increased	1219	-1.10	equidimensional	0.0064	2	
	DGC13	1950	10.95	10.76	-0.18	retreated	1996-02-15	2014-04-10	18.16	0.285	0.205	-0.081	-28.256	27	peak	901	1.28	bottom-heavy	0.0071	3	
	DGC14	1684	5.66	5.64	-0.02	stable	1996-02-15	2014-04-10	18.16	0.096	0.113	0.018	18.626	25	stable	884	1.90	very bottom-heavy	0.0109	3	
	DGC22	2188	8.98	9.10	0.12	stable	1996-02-15	2014-04-10	18.16	0.190	0.084	-0.106	-55.993	31	stable	1113	-1.24	top-heavy	0.0148	3	
	DGC23	1868	15.92	15.91	0.00	stable	1993-02-01	2014-08-22	21.57	0.414	1.025	0.611	147.314	37	increased	1379	-1.33	top-heavy	0.0023	2	
	DGC25	2693	14.12	14.27	0.15	stable	1993-02-01	2014-08-22	21.57	0.363	0.820	0.457	125.807	37	increased	1850	1.52	very bottom-heavy	0.0028	2	
	DGC31	1466	13.30	13.06	-0.24	retreated	1996-02-15	2010-12-11	14.83	0.132	0.204	0.072	54.579	10	stable	1488	1.86	very bottom-heavy	0.0029	2	
	DGC39	1331	15.07	14.97	-0.10	retreated	1993-02-01	2010-12-22	17.90	0.529	0.164	-0.365	-69.044	8	decreased	1472	1.02	equidimensional	0.0040	3	
	DGC72	4990	38.39	38.09	-0.30	stable	1993-02-01	2014-04-10	21.20	0.359	0.695	0.336	93.651	19	peak	1706	1.17	equidimensional	0.0027	2	
	DGC8	3340	9.34	8.91	-0.43	retreated	1993-02-01	2014-04-10	21.20	0.177	0.241	0.064	36.012	32	stable	1061	2.07	very bottom-heavy	0.0094	4	
	Krebs	3152	34.80	35.27	0.47	advanced	1993-02-01	2014-04-10	21.20	0.866	0.738	-0.128	-14.780	16	peak	2029	-2.00	very top-heavy	0.0006	1	
	Landau	2330	33.99	33.90	-0.08	stable	1996-02-13	2014-08-27	18.55	0.069	0.727	0.658	954.866	49	increased	1747	-1.79	very top-heavy	0.0027	1	
	Leonardo	3632	84.22	83.72	-0.49	retreated	1993-02-01	2014-08-22	21.57	0.281	1.493	1.212	431.732	24	increased	2106	1.06	equidimensional	0.0009	2	

Sector	Basin	$I_f$ [m]	$A_{1985-1990}$ [km $^2$ ]	$A_{2010-2015}$ [km $^2$ ]	$dA$ [km $^2$ ]	Area change category	Date $v_s$ [yyyy-mm-dd]	Date $v_E$ [yyyy-mm-dd]	$dt$ [a]	$v_s$ [m d $^{-1}$ ]	$v_E$ [m d $^{-1}$ ]	$dv$ [m d $^{-1}$ ]	$dv$ [%]	$n_v$	Vel. change category	$h_{max}$ [m a.s.l.]	$HI$	Hypsometric category	FA	Group
West	Mc Neile	2507	184.56	184.66	0.10	stable	1995-12-19	2014-08-27	18.70	0.207	0.699	0.492	237.738	30	increased	1882	-4.58	very top-heavy	0.0006	1
	Montgolfier	4486	55.20	55.06	-0.13	stable	1993-02-01	2014-08-22	21.57	0.141	1.371	1.230	872.806	21	increased	1929	-1.32	top-heavy	0.0022	1
	Nobile	2361	57.04	56.78	-0.26	retreated	1993-02-01	2014-04-10	21.20	0.233	0.372	0.139	59.586	13	peak	1901	-1.28	top-heavy	0.0018	1
	Orel	5399	19.02	18.11	-0.92	retreated	1996-02-15	2010-12-22	14.86	0.229	0.172	-0.057	-25.010	9	stable	1148	1.95	very bottom-heavy	0.0066	4
	Pettus-Gavinlce	3535	330.88	330.67	-0.21	stable	1992-12-25	2014-08-05	21.62	0.686	0.385	-0.301	-43.827	33	peak	1846	1.24	bottom-heavy	0.0030	2
	Renard	5904	118.15	117.24	-0.91	retreated	1993-02-01	2014-08-22	21.57	0.212	1.698	1.486	699.238	36	increased	2043	-1.82	very top-heavy	0.0011	1
	Rozier	5984	35.57	35.07	-0.50	retreated	1996-02-15	2014-08-22	18.53	0.977	0.944	-0.033	-3.420	41	peak	2061	2.70	very bottom-heavy	0.0036	2
	Russell West	3450	329.28	328.95	-0.33	retreated	1996-02-29	2014-08-27	18.50	1.072	1.759	0.687	64.111	18	increased	1645	1.44	bottom-heavy	0.0028	2
	Sabine	1795	83.09	82.78	-0.31	retreated	1993-02-01	2014-08-27	21.58	0.239	0.348	0.109	45.520	82	increased	1843	1.21	bottom-heavy	0.0070	2
	SBG	10917	327.95	327.75	-0.20	stable	1993-02-01	2010-12-29	17.92	0.298	0.306	0.007	2.395	35	peak	2220	1.08	equidimensional	0.0047	2
Stringfellow-Henson	7775	670.38	669.74	-0.64	retreated	1993-02-01	2014-02-28	21.09	1.100	1.233	0.132	12.029	24	fluctuating	2167	1.55	very bottom-heavy	0.0026	2	
	Temple	12056	453.96	453.22	-0.74	retreated	1992-12-25	2014-08-11	21.64	1.544	1.516	-0.028	-1.821	92	fluctuating	1962	-1.06	equidimensional	0.0031	1
	TPE11	1947	70.06	70.13	0.07	stable	1995-12-20	2013-12-24	18.02	0.184	1.203	1.018	552.655	21	increased	1268	1.05	equidimensional	0.0028	2
	TPE125	8741	40.41	40.13	-0.27	stable	1992-12-25	2013-12-24	21.01	0.415	0.260	-0.155	-37.319	23	fluctuating	1104	1.82	very bottom-heavy	0.0116	3
	TPE126	16295	145.52	147.80	2.28	advanced	1995-12-19	2014-08-27	18.70	0.287	0.306	0.019	6.542	58	peak	1655	2.20	very bottom-heavy	0.0060	2
	TPE39	9931	139.49	139.40	-0.08	stable	1995-12-19	2013-12-07	17.98	0.341	0.690	0.348	102.092	21	peak	1384	1.13	equidimensional	0.0051	2
	TPE40	13405	184.11	184.69	0.58	stable	1992-12-25	2013-12-24	21.01	0.718	0.406	-0.312	-43.414	27	decreased	1386	1.01	equidimensional	0.0059	3
	TPE41	9256	53.13	53.24	0.11	stable	1995-12-19	2013-12-07	17.98	0.326	0.281	-0.046	-13.987	26	stable	1094	1.98	very bottom-heavy	0.0107	3
	TPE46	2785	33.94	34.34	0.41	advanced	1992-12-25	2014-08-27	21.68	0.935	0.881	-0.054	-5.756	43	fluctuating	1843	-1.86	very top-heavy	0.0026	1
	TPE50	2987	31.32	31.53	0.21	advanced	1992-12-25	2014-08-27	21.68	0.450	0.517	0.067	14.899	114	peak	1839	1.13	equidimensional	0.0023	2
	TPE57	20111	100.43	100.34	-0.10	stable	1993-02-01	2010-12-29	17.92	0.317	0.230	-0.087	-27.382	32	peak	1132	1.31	bottom-heavy	0.0090	3
	TPE8	5582	111.74	112.24	0.49	advanced	1996-02-11	2013-12-24	17.88	0.991	0.739	-0.252	-25.395	17	trough	1104	1.19	equidimensional	0.0035	3
	TPE9	3735	48.96	49.64	0.68	advanced	1995-12-19	2013-12-24	18.03	0.355	0.150	-0.205	-57.744	20	decreased	1085	1.41	bottom-heavy	0.0057	3
	Wellman	3449	48.67	48.48	-0.19	stable	1996-02-15	2014-04-10	18.16	0.161	0.255	0.094	58.300	25	stable	1772	1.47	bottom-heavy	0.0037	2
	Wheatstone	4642	52.66	52.18	-0.48	retreated	1993-02-01	2010-12-22	17.90	0.355	0.258	-0.097	-27.262	11	peak	1569	1.21	bottom-heavy	0.0029	2
	Whitecloud	3711	177.77	177.66	-0.11	stable	1992-12-25	2014-08-11	21.64	0.454	0.481	0.027	5.848	59	fluctuating	1950	-2.94	very top-heavy	0.0013	1
	Woodbury	1464	20.24	20.03	-0.21	retreated	1993-02-01	2014-08-11	21.54	0.155	0.239	0.084	53.784	27	stable	1862	1.02	equidimensional	0.0024	2
Summary West	mean	268763	5809.33	5800.18	-9.14				20	0.427	0.605	0.177	41.487			1636				
Summary all glaciers	mean	481786	11003.23	10764.42	-238.81				19	0.537	0.545	0.008				1600			1629	
	sum															2503				

**Table S2:** Uncertainty  $\sigma_v$  of intensity tracking results. Date: Mean date of SAR acquisitions;  $\Delta t$ : Time interval in days between consecutive SAR acquisitions;  $\sigma_v^C$ : Uncertainty of image coregistration;  $\sigma_v^T$ : Uncertainty of intensity tracking process; If  $\Delta t = 1\text{d} \rightarrow \sigma_v = \sigma_v^C$  see manuscript.

Date [yyyy-mm-dd]	Satellite	$\Delta t$ [d]	$\sigma_v^C$ [m d <sup>-1</sup> ]	n	$\sigma_v^T$ [m d <sup>-1</sup> ]	$\sigma_v$ [m d <sup>-1</sup> ]
1992-12-25	ERS	35	0.13	9721	0.05	0.14
1992-12-25	ERS	35	0.25	23678	0.05	0.26
1993-01-12	ERS	70	0.07	9880	0.02	0.07
1993-01-29	ERS	35	0.10	6090	0.05	0.11
1993-01-29	ERS	35	0.23	4533	0.05	0.24
1993-02-01	ERS	35	0.20	6321	0.05	0.21
1994-02-01	ERS	21	0.35	22007	0.08	0.36
1994-02-18	ERS	54	0.07	28834	0.03	0.08
1994-02-28	ERS	33	0.16	26276	0.05	0.17
1995-10-31	ERS	1	0.41	150	1.60	0.41
1995-11-14	ERS	1	0.36	1961	1.60	0.36
1995-11-16	ERS	1	0.29	448	1.60	0.29
1995-12-18	ERS	71	0.02	68711	0.02	0.03
1995-12-18	ERS	70	0.03	77246	0.02	0.04
1995-12-19	ERS	71	0.02	70974	0.02	0.03
1995-12-19	ERS	70	0.06	67287	0.02	0.06
1995-12-19	ERS	69	0.12	66877	0.02	0.12
1995-12-20	ERS	70	0.04	70897	0.02	0.04
1995-12-21	ERS	70	0.08	10755	0.02	0.08
1995-12-21	ERS	69	0.09	9000	0.02	0.10
1996-01-22	ERS	1	0.24	49973	1.60	0.24
1996-01-23	ERS	1	0.34	546	1.60	0.34
1996-02-11	ERS	35	0.12	10215	0.05	0.12
1996-02-11	ERS	35	0.14	8164	0.05	0.15
1996-02-13	ERS	35	0.06	23882	0.05	0.08
1996-02-15	ERS	35	0.14	9379	0.05	0.15
1996-02-29	ERS	35	0.02	39573	0.05	0.05
1996-03-03	ERS	34	0.05	18324	0.05	0.07
1996-03-03	ERS	35	0.05	18395	0.05	0.07
1996-03-20	ERS	1	0.30	9049	1.60	0.30
1997-02-13	ERS	35	0.04	44246	0.05	0.06
1997-02-15	ERS	35	0.11	14969	0.05	0.12
1997-02-18	ERS	35	0.09	6705	0.05	0.10
1998-02-03	ERS	35	0.07	3176	0.05	0.08
1999-11-09	ERS	1	0.34	4022	1.60	0.34
2002-02-07	ERS	35	0.07	9893	0.05	0.09
2002-11-29	ERS	35	0.13	61073	0.05	0.13
2002-12-03	ERS	35	0.13	19079	0.05	0.13
2002-12-08	ERS	35	0.29	1965	0.05	0.29
2002-12-21	ERS	70	0.05	21331	0.02	0.05
2002-12-21	ERS	35	0.27	3396	0.05	0.27
2002-12-26	ERS	70	0.13	2437	0.02	0.13
2003-01-07	ERS	35	0.05	24658	0.05	0.07
2003-01-08	ERS	70	0.19	4794	0.02	0.19
2003-01-12	ERS	35	0.09	2548	0.05	0.10
2003-01-25	ERS	35	0.10	14207	0.05	0.11
2004-11-01	ERS	35	0.17	30346	0.05	0.17
2004-11-17	ERS	70	0.06	71277	0.02	0.07
2004-11-19	ERS	70	0.08	32153	0.02	0.09
2004-12-06	ERS	35	0.11	33520	0.05	0.12
2004-12-24	ERS	70	0.11	34409	0.02	0.11
2004-12-25	ERS	35	0.14	12592	0.05	0.14
2005-01-10	ERS	35	0.28	23466	0.05	0.28

Date [yyyy-mm-dd]	Satellite	$\Delta t$ [d]	$\sigma_v^C$ [m d <sup>-1</sup> ]	n	$\sigma_v^T$ [m d <sup>-1</sup> ]	$\sigma_v$ [m d <sup>-1</sup> ]
2006-11-03	ERS	35	0.19	56628	0.05	0.19
2006-11-04	ERS	35	0.14	70277	0.05	0.14
2008-10-29	ERS	35	0.07	9881	0.05	0.08
2010-02-08	ERS	35	0.18	18041	0.05	0.19
2010-02-26	ERS	70	0.11	19172	0.02	0.11
2010-03-15	ERS	35	0.10	23486	0.05	0.11
2000-09-22	R1	24	0.10	20810	0.06	0.12
2000-09-22	R1	24	0.14	33870	0.06	0.15
2000-10-01	R1	24	0.06	30397	0.06	0.09
2006-08-22	R1	24	0.07	57259	0.06	0.10
2006-08-22	R1	24	0.08	21635	0.06	0.10
2003-12-22	ENVISAT	35	0.31	38866	0.05	0.31
2004-01-09	ENVISAT	70	0.03	61495	0.02	0.04
2004-01-10	ENVISAT	35	0.13	1790	0.05	0.13
2004-01-28	ENVISAT	70	0.16	1510	0.02	0.16
2004-02-14	ENVISAT	35	0.09	1898	0.05	0.10
2004-03-20	ENVISAT	35	0.13	3299	0.05	0.14
2004-04-24	ENVISAT	35	0.12	3505	0.05	0.13
2004-05-29	ENVISAT	35	0.10	3623	0.05	0.11
2004-07-03	ENVISAT	35	0.10	3546	0.05	0.11
2004-07-19	ENVISAT	35	0.03	60612	0.05	0.06
2004-08-07	ENVISAT	35	0.11	3418	0.05	0.12
2004-09-11	ENVISAT	35	0.14	3400	0.05	0.15
2004-10-16	ENVISAT	35	0.15	3449	0.05	0.16
2004-12-06	ENVISAT	35	0.06	63965	0.05	0.08
2005-01-28	ENVISAT	70	0.02	62239	0.02	0.03
2005-03-05	ENVISAT	35	0.15	2744	0.05	0.15
2005-03-21	ENVISAT	35	0.19	64254	0.05	0.19
2005-04-09	ENVISAT	35	0.13	2904	0.05	0.14
2005-05-14	ENVISAT	35	0.17	3016	0.05	0.17
2005-06-18	ENVISAT	35	0.13	3631	0.05	0.14
2005-07-23	ENVISAT	35	0.14	2943	0.05	0.14
2005-08-08	ENVISAT	35	0.12	68061	0.05	0.13
2006-02-15	ENVISAT	35	0.07	61205	0.05	0.08
2006-03-25	ENVISAT	35	0.14	2755	0.05	0.15
2006-07-08	ENVISAT	35	0.08	3488	0.05	0.09
2006-08-09	ENVISAT	35	0.06	60954	0.05	0.08
2006-08-12	ENVISAT	35	0.15	3302	0.05	0.15
2006-09-16	ENVISAT	35	0.14	3295	0.05	0.15
2006-10-21	ENVISAT	35	0.16	2741	0.05	0.17
2007-02-18	ENVISAT	70	0.03	71538	0.02	0.04
2007-04-29	ENVISAT	70	0.04	65692	0.02	0.05
2007-06-20	ENVISAT	35	0.03	63862	0.05	0.05
2007-08-12	ENVISAT	70	0.04	61079	0.02	0.05
2007-09-01	ENVISAT	35	0.15	3391	0.05	0.16
2007-10-03	ENVISAT	35	0.10	61336	0.05	0.11
2007-10-06	ENVISAT	35	0.16	3255	0.05	0.16
2008-04-30	ENVISAT	35	0.10	63576	0.05	0.11
2008-06-22	ENVISAT	70	0.03	57922	0.02	0.04
2008-08-13	ENVISAT	35	0.07	60539	0.05	0.08
2009-03-11	ENVISAT	35	0.11	64638	0.05	0.12
2009-07-29	ENVISAT	35	0.03	61130	0.05	0.05
2006-06-10	ALOS	46	0.02	15503	0.02	0.02
2006-06-17	ALOS	46	0.01	61958	0.02	0.02
2006-06-25	ALOS	46	0.08	581	0.02	0.09
2006-07-14	ALOS	46	0.02	9476	0.02	0.02
2006-09-21	ALOS	92	0.02	9912	0.01	0.02

Date [yyyy-mm-dd]	Satellite	$\Delta t$ [d]	$\sigma_v^C$ [m d <sup>-1</sup> ]	n	$\sigma_v^T$ [m d <sup>-1</sup> ]	$\sigma_v^{I}$ [m d <sup>-1</sup> ]
2006-12-23	ALOS	46	0.08	5135	0.02	0.08
2007-12-04	ALOS	46	0.03	10220	0.02	0.04
2007-12-14	ALOS	46	0.04	2193	0.02	0.04
2008-05-14	ALOS	46	0.01	43889	0.02	0.02
2008-10-21	ALOS	46	0.02	10711	0.02	0.02
2008-10-31	ALOS	46	0.13	2461	0.02	0.13
2008-11-13	ALOS	92	0.02	10861	0.01	0.02
2008-11-14	ALOS	46	0.02	33136	0.02	0.02
2008-12-06	ALOS	46	0.04	10213	0.02	0.04
2008-12-07	ALOS	92	0.02	36230	0.01	0.02
2008-12-16	ALOS	46	0.07	2291	0.02	0.07
2008-12-29	ALOS	92	0.02	10998	0.01	0.02
2008-12-30	ALOS	46	0.04	37661	0.02	0.04
2009-01-21	ALOS	46	0.02	10677	0.02	0.03
2009-12-02	ALOS	46	0.05	3484	0.02	0.05
2009-12-09	ALOS	46	0.03	9707	0.02	0.03
2009-12-21	ALOS	46	0.05	2455	0.02	0.05
2009-12-26	ALOS	46	0.03	9385	0.02	0.03
2010-01-19	ALOS	46	0.02	15505	0.02	0.02
2010-10-08	ALOS	46	0.04	620	0.02	0.04
2010-10-17	ALOS	46	0.03	79294	0.02	0.03
2010-11-06	ALOS	46	0.08	2212	0.02	0.08
2010-11-08	ALOS	46	0.01	16076	0.02	0.02
2010-11-10	ALOS	46	0.02	422	0.02	0.03
2010-11-13	ALOS	46	0.04	9956	0.02	0.05
2010-11-29	ALOS	92	0.03	2069	0.01	0.03
2010-12-01	ALOS	92	0.01	18027	0.01	0.01
2010-12-03	ALOS	92	0.40	426	0.01	0.40
2010-12-06	ALOS	92	0.03	10352	0.01	0.03
2010-12-11	ALOS	92	0.04	4683	0.01	0.04
2010-12-12	ALOS	46	0.03	9480	0.02	0.04
2010-12-22	ALOS	46	0.05	1992	0.02	0.05
2010-12-26	ALOS	46	0.02	411	0.02	0.03
2010-12-29	ALOS	46	0.03	10478	0.02	0.04
2010-12-31	ALOS	46	0.01	46824	0.02	0.02
2011-01-18	ALOS	92	0.16	430	0.01	0.16
2011-02-08	ALOS	46	0.01	17569	0.02	0.02
2011-02-10	ALOS	46	0.01	394	0.02	0.02
2008-10-19	TSX/TDX	11	0.05	4560	0.02	0.05
2008-10-25	TSX/TDX	22	0.02	4362	0.01	0.02
2008-10-30	TSX/TDX	11	0.03	4507	0.02	0.04
2009-08-01	TSX/TDX	11	0.02	11170	0.02	0.03
2009-10-28	TSX/TDX	11	0.06	4220	0.02	0.07
2010-10-26	TSX/TDX	33	0.02	2678	0.01	0.02
2010-11-01	TSX/TDX	44	0.02	3442	0.01	0.02
2010-11-17	TSX/TDX	22	0.01	5995	0.01	0.01
2010-11-17	TSX/TDX	11	0.06	3599	0.02	0.07
2010-11-28	TSX/TDX	99	0.01	3063	0.00	0.01
2010-12-15	TSX/TDX	66	0.02	3476	0.00	0.02
2010-12-20	TSX/TDX	77	0.01	3524	0.00	0.01
2010-12-20	TSX/TDX	55	0.01	4297	0.00	0.02
2010-12-26	TSX/TDX	66	0.01	4341	0.00	0.01
2011-01-22	TSX/TDX	11	0.02	4722	0.02	0.03
2011-06-25	TSX/TDX	22	0.01	15556	0.01	0.02
2011-06-25	TSX/TDX	22	0.04	9886	0.01	0.04
2011-07-06	TSX/TDX	44	0.04	10380	0.01	0.04
2011-07-16	TSX/TDX	22	0.04	3582	0.01	0.04

Date [yyyy-mm-dd]	Satellite	$\Delta t$ [d]	$\sigma_v^C$ [m d <sup>-1</sup> ]	n	$\sigma_v'$ [m d <sup>-1</sup> ]	$\sigma_v$ [m d <sup>-1</sup> ]
2011-07-17	TSX/TDX	22	0.01	15712	0.01	0.02
2011-07-16	TSX/TDX	22	0.10	1421	0.01	0.10
2011-07-17	TSX/TDX	22	0.03	10450	0.01	0.03
2011-07-28	TSX/TDX	44	0.02	10607	0.01	0.02
2011-08-03	TSX/TDX	22	0.40	614	0.01	0.40
2011-08-08	TSX/TDX	22	0.03	10394	0.01	0.04
2011-08-14	TSX/TDX	44	0.14	1556	0.01	0.14
2011-08-19	TSX/TDX	44	0.03	10054	0.01	0.03
2011-08-19	TSX/TDX	55	0.04	2385	0.00	0.04
2011-08-24	TSX/TDX	22	0.03	1894	0.01	0.03
2011-08-24	TSX/TDX	55	0.03	10578	0.00	0.03
2011-08-29	TSX/TDX	33	0.03	1856	0.01	0.03
2011-08-30	TSX/TDX	22	0.02	15605	0.01	0.02
2011-08-30	TSX/TDX	22	0.06	7157	0.01	0.06
2011-09-04	TSX/TDX	33	0.01	15878	0.01	0.01
2011-09-09	TSX/TDX	11	0.06	2325	0.02	0.06
2011-09-14	TSX/TDX	11	0.05	3667	0.02	0.05
2011-09-14	TSX/TDX	11	0.12	1279	0.02	0.12
2011-09-15	TSX/TDX	11	0.03	15546	0.02	0.03
2011-09-15	TSX/TDX	11	0.07	7819	0.02	0.07
2011-09-27	TSX/TDX	44	0.14	2001	0.01	0.14
2011-10-01	TSX/TDX	33	0.02	1956	0.01	0.02
2011-10-01	TSX/TDX	44	0.04	3582	0.01	0.04
2011-10-06	TSX/TDX	33	0.04	3602	0.01	0.05
2011-10-06	TSX/TDX	33	0.11	1353	0.01	0.11
2011-10-12	TSX/TDX	66	0.02	3453	0.00	0.02
2011-10-17	TSX/TDX	55	0.03	3541	0.00	0.03
2011-10-23	TSX/TDX	11	0.06	2018	0.02	0.06
2011-11-03	TSX/TDX	22	0.05	3533	0.01	0.05
2011-11-03	TSX/TDX	22	0.07	1209	0.01	0.07
2011-11-25	TSX/TDX	22	0.03	3507	0.01	0.03
2011-12-06	TSX/TDX	11	0.06	2432	0.02	0.06
2011-12-12	TSX/TDX	33	0.01	13467	0.01	0.01
2011-12-13	TSX/TDX	44	0.05	2328	0.01	0.05
2011-12-17	TSX/TDX	22	0.01	4172	0.01	0.02
2011-12-18	TSX/TDX	33	0.08	2365	0.01	0.08
2012-01-03	TSX/TDX	11	0.01	16220	0.02	0.03
2012-01-03	TSX/TDX	11	0.07	8576	0.02	0.07
2012-01-31	TSX/TDX	55	0.05	2338	0.00	0.05
2012-03-09	TSX/TDX	11	0.02	13279	0.02	0.03
2012-03-09	TSX/TDX	11	0.16	7483	0.02	0.16
2012-03-10	TSX/TDX	22	0.07	2343	0.01	0.07
2012-03-15	TSX/TDX	22	0.01	15451	0.01	0.01
2012-03-15	TSX/TDX	33	0.05	2290	0.01	0.05
2012-03-15	TSX/TDX	22	0.07	7142	0.01	0.07
2012-03-20	TSX/TDX	11	0.08	6422	0.02	0.08
2012-03-21	TSX/TDX	44	0.05	2265	0.01	0.05
2012-03-25	TSX/TDX	22	0.11	1258	0.01	0.11
2012-03-26	TSX/TDX	55	0.05	2143	0.00	0.05
2012-03-26	TSX/TDX	11	0.19	2259	0.02	0.19
2012-04-01	TSX/TDX	22	0.14	2362	0.01	0.14
2012-04-06	TSX/TDX	33	0.06	2248	0.01	0.06
2012-04-06	TSX/TDX	11	0.10	2316	0.02	0.10
2012-04-12	TSX/TDX	22	0.05	2100	0.01	0.05
2012-04-17	TSX/TDX	22	0.02	15486	0.01	0.02
2012-04-17	TSX/TDX	22	0.05	7244	0.01	0.05
2012-04-30	TSX/TDX	11	0.04	1747	0.02	0.05

Date [yyyy-mm-dd]	Satellite	$\Delta t$ [d]	$\sigma_v^C$ [m d <sup>-1</sup> ]	$n$	$\sigma_v^T$ [m d <sup>-1</sup> ]	$\sigma_v$ [m d <sup>-1</sup> ]
2012-05-08	TSX/TDX	66	0.02	3381	0.00	0.02
2012-05-09	TSX/TDX	22	0.02	15305	0.01	0.02
2012-05-09	TSX/TDX	55	0.04	2344	0.00	0.04
2012-05-09	TSX/TDX	22	0.05	6241	0.01	0.05
2012-05-13	TSX/TDX	77	0.02	3656	0.00	0.02
2012-05-15	TSX/TDX	44	0.04	2221	0.01	0.04
2012-05-19	TSX/TDX	22	0.03	3672	0.01	0.03
2012-05-19	TSX/TDX	22	0.10	1275	0.01	0.10
2012-05-20	TSX/TDX	55	0.04	2375	0.00	0.04
2012-05-24	TSX/TDX	33	0.04	1210	0.01	0.04
2012-05-30	TSX/TDX	33	0.03	2544	0.01	0.03
2012-06-04	TSX/TDX	11	0.05	3532	0.02	0.06
2012-06-04	TSX/TDX	11	0.10	1351	0.02	0.11
2012-06-05	TSX/TDX	33	0.01	15558	0.01	0.01
2012-06-11	TSX/TDX	11	0.09	2222	0.02	0.09
2012-06-15	TSX/TDX	11	0.08	3328	0.02	0.09
2012-06-15	TSX/TDX	11	0.10	1280	0.02	0.10
2012-06-21	TSX/TDX	11	0.07	2621	0.02	0.07
2012-06-27	TSX/TDX	11	0.06	7647	0.02	0.06
2012-06-28	TSX/TDX	44	0.04	2293	0.01	0.04
2012-07-03	TSX/TDX	55	0.04	2350	0.00	0.04
2012-07-03	TSX/TDX	33	0.05	2292	0.01	0.05
2012-07-09	TSX/TDX	44	0.04	2389	0.01	0.04
2012-07-13	TSX/TDX	33	0.03	2765	0.01	0.03
2012-07-19	TSX/TDX	33	0.02	15662	0.01	0.02
2012-07-25	TSX/TDX	11	0.09	2122	0.02	0.09
2012-08-04	TSX/TDX	11	0.07	2545	0.02	0.07
2012-08-09	TSX/TDX	11	0.07	3577	0.02	0.07
2012-08-09	TSX/TDX	11	0.12	1204	0.02	0.13
2012-08-10	TSX/TDX	11	0.07	7151	0.02	0.07
2012-08-11	TSX/TDX	44	0.08	2444	0.01	0.08
2012-08-16	TSX/TDX	55	0.04	2374	0.00	0.04
2012-08-22	TSX/TDX	44	0.04	2230	0.01	0.04
2012-09-07	TSX/TDX	11	0.14	1690	0.02	0.14
2012-09-23	TSX/TDX	33	0.05	1078	0.01	0.05
2012-09-29	TSX/TDX	55	0.04	1597	0.00	0.04
2012-09-29	TSX/TDX	33	0.06	2397	0.01	0.06
2012-10-05	TSX/TDX	44	0.08	2401	0.01	0.08
2012-10-10	TSX/TDX	55	0.05	2372	0.00	0.05
2012-10-20	TSX/TDX	33	0.03	2520	0.01	0.03
2012-10-21	TSX/TDX	11	0.09	2179	0.02	0.09
2012-10-27	TSX/TDX	22	0.08	2296	0.01	0.08
2012-11-01	TSX/TDX	11	0.10	2327	0.02	0.10
2012-11-01	TSX/TDX	33	0.17	1923	0.01	0.17
2012-11-05	TSX/TDX	11	0.05	3446	0.02	0.05
2012-11-05	TSX/TDX	11	0.13	1186	0.02	0.13
2012-11-07	TSX/TDX	44	0.05	2312	0.01	0.05
2012-11-12	TSX/TDX	33	0.05	2364	0.01	0.06
2012-11-12	TSX/TDX	11	0.12	2354	0.02	0.12
2012-11-18	TSX/TDX	22	0.07	2419	0.01	0.07
2012-11-23	TSX/TDX	11	0.08	2204	0.02	0.09
2012-12-26	TSX/TDX	55	0.03	2141	0.00	0.03
2013-02-23	TSX/TDX	77	0.01	3503	0.00	0.01
2013-03-01	TSX/TDX	11	0.08	2802	0.02	0.08
2013-03-17	TSX/TDX	11	0.06	3749	0.02	0.07
2013-03-17	TSX/TDX	11	0.14	1255	0.02	0.14
2013-03-23	TSX/TDX	22	0.03	3632	0.01	0.03

Date [yyyy-mm-dd]	Satellite	$\Delta t$ [d]	$\sigma_v^C$ [m d $^{-1}$ ]	$n$	$\sigma_v^T$ [m d $^{-1}$ ]	$\sigma_v$ [m d $^{-1}$ ]
2013-03-23	TSX/TDX	22	0.08	1196	0.01	0.08
2013-03-26	TSX/TDX	11	0.08	1992	0.02	0.08
2013-03-28	TSX/TDX	11	0.17	1347	0.02	0.18
2013-03-29	TSX/TDX	33	0.05	1148	0.01	0.05
2013-04-03	TSX/TDX	33	0.09	2117	0.01	0.09
2013-04-10	TSX/TDX	22	0.06	2172	0.01	0.07
2013-04-15	TSX/TDX	33	0.07	2237	0.01	0.07
2013-04-26	TSX/TDX	55	0.05	2275	0.00	0.05
2013-04-26	TSX/TDX	11	0.12	2379	0.02	0.13
2013-04-30	TSX/TDX	55	0.02	3261	0.00	0.03
2013-06-08	TSX/TDX	22	0.03	3820	0.01	0.03
2013-06-08	TSX/TDX	22	0.04	1021	0.01	0.04
2013-06-19	TSX/TDX	44	0.02	3719	0.01	0.02
2013-06-30	TSX/TDX	22	0.03	3813	0.01	0.03
2013-06-30	TSX/TDX	22	0.09	1258	0.01	0.09
2013-07-28	TSX/TDX	33	0.01	15233	0.01	0.02
2013-08-02	TSX/TDX	33	0.02	2763	0.01	0.02
2013-08-25	TSX/TDX	33	0.05	2311	0.01	0.05
2013-08-30	TSX/TDX	33	0.01	15399	0.01	0.01
2013-09-20	TSX/TDX	33	0.03	3602	0.01	0.03
2013-09-20	TSX/TDX	33	0.05	1292	0.01	0.05
2013-09-27	TSX/TDX	33	0.04	2235	0.01	0.04
2013-10-02	TSX/TDX	33	0.01	15262	0.01	0.01
2013-10-23	TSX/TDX	33	0.02	3578	0.01	0.02
2013-10-23	TSX/TDX	33	0.05	1283	0.01	0.05
2013-10-30	TSX/TDX	33	0.05	2317	0.01	0.05
2013-11-02	TSX/TDX	11	0.02	9090	0.02	0.03
2013-11-02	TSX/TDX	11	0.07	484	0.02	0.07
2013-11-04	TSX/TDX	33	0.02	15102	0.01	0.02
2013-11-09	TSX/TDX	11	0.05	2652	0.02	0.06
2013-11-10	TSX/TDX	55	0.04	2294	0.00	0.04
2013-11-15	TSX/TDX	22	0.04	2878	0.01	0.05
2013-11-20	TSX/TDX	22	0.03	3538	0.01	0.04
2013-11-20	TSX/TDX	33	0.04	2955	0.01	0.04
2013-11-20	TSX/TDX	11	0.08	2846	0.02	0.08
2013-11-20	TSX/TDX	22	0.10	1321	0.01	0.10
2013-11-21	TSX/TDX	11	0.08	2180	0.02	0.08
2013-11-25	TSX/TDX	33	0.02	3312	0.01	0.02
2013-11-25	TSX/TDX	33	0.05	1125	0.01	0.05
2013-11-26	TSX/TDX	11	0.03	15060	0.02	0.03
2013-11-26	TSX/TDX	22	0.04	2825	0.01	0.04
2013-11-26	TSX/TDX	11	0.08	6708	0.02	0.09
2013-11-27	TSX/TDX	22	0.08	2346	0.01	0.09
2013-11-30	TSX/TDX	44	0.00	8207	0.01	0.01
2013-12-01	TSX/TDX	44	0.02	3438	0.01	0.02
2013-12-01	TSX/TDX	33	0.03	2670	0.01	0.03
2013-12-01	TSX/TDX	11	0.06	2893	0.02	0.06
2013-12-02	TSX/TDX	22	0.01	14680	0.01	0.01
2013-12-02	TSX/TDX	33	0.04	2079	0.01	0.04
2013-12-02	TSX/TDX	22	0.06	6620	0.01	0.06
2013-12-02	TSX/TDX	11	0.23	1957	0.02	0.24
2013-12-06	TSX/TDX	11	0.05	3548	0.02	0.06
2013-12-06	TSX/TDX	11	0.15	1322	0.02	0.15
2013-12-07	TSX/TDX	11	0.02	14924	0.02	0.03
2013-12-07	TSX/TDX	22	0.04	2905	0.01	0.04
2013-12-07	TSX/TDX	11	0.11	8347	0.02	0.11
2013-12-08	TSX/TDX	22	0.08	2021	0.01	0.08

Date [yyyy-mm-dd]	Satellite	$\Delta t$ [d]	$\sigma_v^C$ [m d <sup>-1</sup> ]	$n$	$\sigma_v^T$ [m d <sup>-1</sup> ]	$\sigma_v$ [m d <sup>-1</sup> ]
2013-12-12	TSX/TDX	22	0.03	3508	0.01	0.03
2013-12-12	TSX/TDX	33	0.03	2814	0.01	0.03
2013-12-12	TSX/TDX	11	0.07	3039	0.02	0.08
2013-12-12	TSX/TDX	22	0.09	1242	0.01	0.09
2013-12-13	TSX/TDX	33	0.06	2306	0.01	0.06
2013-12-13	TSX/TDX	11	0.07	2024	0.02	0.08
2013-12-17	TSX/TDX	11	0.02	3978	0.02	0.03
2013-12-17	TSX/TDX	33	0.03	3323	0.01	0.03
2013-12-17	TSX/TDX	11	0.14	1290	0.02	0.14
2013-12-18	TSX/TDX	33	0.01	13920	0.01	0.01
2013-12-18	TSX/TDX	22	0.03	2741	0.01	0.04
2013-12-23	TSX/TDX	22	0.03	3725	0.01	0.03
2013-12-23	TSX/TDX	11	0.05	2877	0.02	0.06
2013-12-23	TSX/TDX	22	0.09	1118	0.01	0.10
2013-12-24	TSX/TDX	22	0.01	14893	0.01	0.01
2013-12-24	TSX/TDX	22	0.05	7587	0.01	0.05
2013-12-24	TSX/TDX	11	0.09	2342	0.02	0.09
2013-12-28	TSX/TDX	11	0.05	3475	0.02	0.05
2013-12-28	TSX/TDX	11	0.14	1096	0.02	0.15
2013-12-30	TSX/TDX	44	0.03	2034	0.01	0.03
2014-01-03	TSX/TDX	33	0.02	2819	0.01	0.02
2014-01-04	TSX/TDX	55	0.04	2128	0.00	0.04
2014-01-04	TSX/TDX	33	0.05	1939	0.01	0.05
2014-01-09	TSX/TDX	22	0.03	2828	0.01	0.03
2014-01-10	TSX/TDX	44	0.03	2083	0.01	0.03
2014-01-10	TSX/TDX	22	0.10	2104	0.01	0.10
2014-01-14	TSX/TDX	44	0.01	3685	0.01	0.01
2014-01-15	TSX/TDX	33	0.05	2236	0.01	0.05
2014-01-19	TSX/TDX	33	0.02	3652	0.01	0.02
2014-01-31	TSX/TDX	22	0.03	2647	0.01	0.03
2014-02-27	TSX/TDX	44	0.03	3163	0.01	0.03
2014-02-28	TSX/TDX	55	0.05	2235	0.00	0.05
2014-03-24	TSX/TDX	11	0.08	1958	0.02	0.08
2014-03-27	TSX/TDX	11	0.03	15610	0.02	0.03
2014-04-04	TSX/TDX	33	0.04	1921	0.01	0.04
2014-04-10	TSX/TDX	22	0.05	1895	0.01	0.05
2014-07-25	TSX/TDX	11	0.07	1184	0.02	0.08
2014-08-05	TSX/TDX	33	0.05	1130	0.01	0.05
2014-08-06	TSX/TDX	22	0.03	2495	0.01	0.03
2014-08-11	TSX/TDX	33	0.02	2649	0.01	0.02
2014-08-11	TSX/TDX	22	0.08	1340	0.01	0.08
2014-08-22	TSX/TDX	11	0.08	3049	0.02	0.08
2014-08-27	TSX/TDX	11	0.08	1215	0.02	0.09
2014-12-16	TSX/TDX	11	0.03	15265	0.02	0.03

datasets	Mean values:					
382	All	0.07	11717	0.05	0.08	
59	ERS	0.14	26475	0.04	0.15	
5	R1	0.09	32794	0.06	0.11	
41	ENVISAT	0.11	30240	0.04	0.12	
43	ALOS	0.05	13868	0.01	0.05	
234	TSX/TDX	0.06	4414	0.01	0.06	