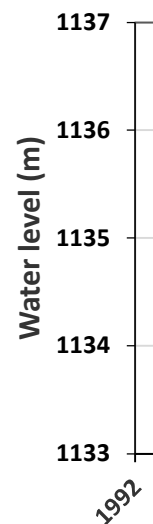


Table S27 Water level change in lake Victoria based on satellite altimetry (1992 – 2020)

Lake Victoria				
dates	mean dGWL (m)	dWLA (m)	LongT (m)	Long(km3)
9/15/1992	1134.89	-0.01	0.21	0.00
10/15/1992	1134.90	0.00	0.19	0.00
11/15/1992	1134.95	0.04	0.17	0.00
12/15/1992	1134.98	0.08	0.15	0.00
1/15/1993	1135.06	0.16	0.12	0.00
2/15/1993	1135.07	0.17	0.10	0.00
3/15/1993	1135.06	0.16	0.08	0.00
4/15/1993	1135.04	0.14	0.05	0.00
5/15/1993	1135.06	0.16	0.03	0.00
6/15/1993	1135.20	0.30	0.00	0.00
7/15/1993	1135.04	0.14	-0.02	0.00
8/15/1993	1134.91	0.01	-0.05	0.00
9/15/1993	1134.74	-0.16	-0.08	0.00
10/15/1993	1134.73	-0.17	-0.10	0.00
11/15/1993	1134.63	-0.27	-0.13	0.00
12/15/1993	1134.62	-0.29	-0.16	0.00
1/15/1994	1134.51	-0.39	-0.17	0.00
2/15/1994	1134.54	-0.36	-0.19	0.00
3/15/1994	1134.51	-0.39	-0.21	0.00
4/15/1994	1134.57	-0.33	-0.22	0.00
5/15/1994	1134.73	-0.17	-0.23	0.00
6/15/1994	1134.82	-0.08	-0.23	0.00
7/15/1994	1134.74	-0.17	-0.22	0.00
8/15/1994	1134.66	-0.24	-0.21	0.00
9/15/1994	1134.55	-0.35	-0.20	0.00
10/15/1994	1134.53	-0.37	-0.18	0.00
11/15/1994	1134.66	-0.25	-0.16	0.00
12/15/1994	1134.89	-0.01	-0.14	0.00
1/15/1995	1134.78	-0.12	-0.13	0.00
2/15/1995	1134.80	-0.11	-0.11	0.00
3/15/1995	1134.79	-0.11	-0.09	0.00
4/15/1995	1134.87	-0.03	-0.08	0.00
5/15/1995	1134.97	0.07	-0.07	0.00
6/15/1995	1135.06	0.16	-0.05	0.00
7/15/1995	1134.98	0.08	-0.04	0.00
8/15/1995	1134.88	-0.03	-0.03	0.00
9/15/1995	1134.77	-0.13	-0.02	0.00
10/15/1995	1134.77	-0.13	-0.01	0.00
11/15/1995	1134.77	-0.13	0.01	0.00
12/15/1995	1134.80	-0.10	0.02	0.00
1/15/1996	1134.84	-0.06	0.03	0.00
2/15/1996	1134.91	0.01	0.04	0.00
3/15/1996	1134.89	-0.01	0.05	0.00



Data Source: hiti.dgfi.tu

4/15/1996	1135.12	0.22	0.06	0.00
5/15/1996	1135.18	0.28	0.06	0.00
6/15/1996	1135.15	0.25	0.07	0.00
7/15/1996	1135.07	0.17	0.07	0.00
8/15/1996	1135.01	0.11	0.07	0.00
9/15/1996	1135.00	0.09	0.07	0.00
10/15/1996	1134.96	0.06	0.06	0.00
11/15/1996	1134.89	-0.01	0.04	0.00
12/15/1996	1134.94	0.04	0.03	0.00
1/15/1997	1134.94	0.04	0.02	0.00
2/15/1997	1134.82	-0.08	0.01	0.00
3/15/1997	1134.74	-0.17	0.00	0.00
4/15/1997	1134.86	-0.04	0.04	0.00
5/15/1997	1135.03	0.13	0.08	0.00
6/15/1997	1134.93	0.03	0.12	0.00
7/15/1997	1134.85	-0.05	0.18	0.00
8/15/1997	1134.75	-0.16	0.23	0.00
9/15/1997	1134.62	-0.28	0.28	0.00
10/15/1997	1134.50	-0.40	0.34	0.00
11/15/1997	1134.77	-0.13	0.39	0.00
12/15/1997	1135.14	0.24	0.44	0.00
1/15/1998	1135.49	0.59	0.50	0.00
2/15/1998	1135.65	0.75	0.55	0.00
3/15/1998	1135.70	0.80	0.61	0.00
4/15/1998	1135.80	0.90	0.65	0.00
5/15/1998	1136.05	1.15	0.69	0.00
6/15/1998	1136.01	1.11	0.72	0.00
7/15/1998	1135.86	0.96	0.73	0.00
8/15/1998	1135.73	0.83	0.74	0.00
9/15/1998	1135.55	0.65	0.75	0.00
10/15/1998	1135.61	0.71	0.74	0.00
11/15/1998	1135.61	0.71	0.73	0.00
12/15/1998	1135.58	0.68	0.72	0.00
1/15/1999	1135.64	0.74	0.69	0.00
2/15/1999	1135.44	0.54	0.66	0.00
3/15/1999	1135.45	0.55	0.63	0.00
4/15/1999	1135.59	0.69	0.60	0.00
5/15/1999	1135.71	0.81	0.58	0.00
6/15/1999	1135.57	0.67	0.55	0.00
7/15/1999	1135.42	0.52	0.52	0.00
8/15/1999	1135.29	0.39	0.49	0.00
9/15/1999	1135.27	0.37	0.46	0.00
10/15/1999	1135.21	0.31	0.43	0.00
11/15/1999	1135.24	0.34	0.39	0.00
12/15/1999	1135.36	0.46	0.36	0.00
1/15/2000	1135.37	0.47	0.32	0.00
2/15/2000	1135.24	0.34	0.28	0.00

3/15/2000	1135.24	0.33	0.24	0.00
4/15/2000	1135.16	0.26	0.21	0.00
5/15/2000	1135.19	0.29	0.18	0.00
6/15/2000	1135.03	0.13	0.15	0.00
7/15/2000	1134.92	0.02	0.13	0.00
8/15/2000	1134.83	-0.07	0.10	0.00
9/15/2000	1134.69	-0.21	0.08	0.00
10/15/2000	1134.64	-0.27	0.06	0.00
11/15/2000	1134.76	-0.14	0.04	0.00
12/15/2000	1134.85	-0.05	0.02	0.00
1/15/2001	1134.95	0.05	0.02	0.00
2/15/2001	1134.99	0.09	0.02	0.00
3/15/2001	1134.91	0.01	0.01	0.00
4/15/2001	1134.99	0.09	0.02	0.00
5/15/2001	1135.05	0.15	0.03	0.00
6/15/2001	1135.07	0.17	0.04	0.00
7/15/2001	1134.97	0.07	0.04	0.00
8/15/2001	1134.90	-0.01	0.05	0.00
9/15/2001	1134.82	-0.08	0.06	0.00
10/15/2001	1134.83	-0.07	0.07	0.00
11/15/2001	1134.91	0.01	0.08	0.00
12/15/2001	1134.95	0.05	0.09	0.00
1/15/2002	1134.98	0.08	0.09	0.00
2/15/2002	1134.95	0.05	0.10	0.00
3/15/2002	1134.99	0.09	0.10	0.00
4/15/2002	1135.11	0.21	0.10	0.00
5/15/2002	1135.32	0.42	0.11	0.00
6/15/2002	1135.25	0.35	0.11	0.00
7/15/2002	1135.12	0.21	0.11	0.00
8/15/2002	1134.98	0.08	0.11	0.00
9/15/2002	1134.88	-0.03	0.10	0.00
10/15/2002	1134.82	-0.08	0.10	0.00
11/15/2002	1134.86	-0.05	0.09	0.00
12/15/2002	1134.93	0.03	0.09	0.00
1/15/2003	1135.01	0.11	0.08	0.00
2/15/2003	1135.03	0.12	0.07	0.00
3/15/2003	1134.92	0.02	0.06	0.00
4/15/2003	1134.99	0.09	0.06	0.00
5/15/2003	1135.06	0.16	0.05	0.00
6/15/2003	1135.11	0.21	0.04	0.00
7/15/2003	1135.03	0.13	0.02	0.00
8/15/2003	1134.92	0.02	0.01	0.00
9/15/2003	1134.86	-0.04	-0.01	0.00
10/15/2003	1134.87	-0.03	-0.03	0.00
11/15/2003	1134.83	-0.08	-0.06	0.00
12/15/2003	1134.83	-0.07	-0.08	0.00
1/15/2004	1134.78	-0.13	-0.11	0.00

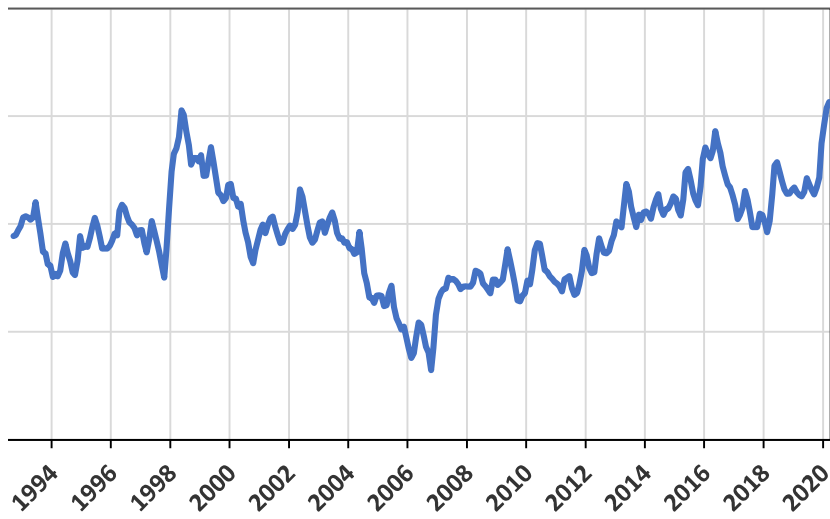
2/15/2004	1134.77	-0.14	-0.15	0.00
3/15/2004	1134.72	-0.18	-0.18	0.00
4/15/2004	1134.74	-0.17	-0.22	0.00
5/15/2004	1134.93	0.02	-0.26	0.00
6/15/2004	1134.77	-0.13	-0.30	0.00
7/15/2004	1134.54	-0.36	-0.34	0.00
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9/15/2004	1134.32	-0.58	-0.41	0.00
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3/15/2005	1134.24	-0.66	-0.61	0.00
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6/15/2005	1134.43	-0.47	-0.70	0.00
7/15/2005	1134.23	-0.67	-0.73	0.00
8/15/2005	1134.13	-0.78	-0.76	0.00
9/15/2005	1134.08	-0.82	-0.79	0.00
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12/15/2005	1133.94	-0.96	-0.87	0.00
1/15/2006	1133.85	-1.05	-0.89	0.00
2/15/2006	1133.76	-1.14	-0.91	0.00
3/15/2006	1133.80	-1.10	-0.93	0.00
4/15/2006	1133.95	-0.95	-0.92	0.00
5/15/2006	1134.09	-0.81	-0.92	0.00
6/15/2006	1134.07	-0.84	-0.91	0.00
7/15/2006	1133.96	-0.94	-0.89	0.00
8/15/2006	1133.86	-1.04	-0.86	0.00
9/15/2006	1133.81	-1.09	-0.84	0.00
10/15/2006	1133.65	-1.25	-0.81	0.00
11/15/2006	1133.85	-1.05	-0.77	0.00
12/15/2006	1134.16	-0.74	-0.73	0.00
1/15/2007	1134.31	-0.60	-0.70	0.00
2/15/2007	1134.36	-0.54	-0.66	0.00
3/15/2007	1134.40	-0.50	-0.62	0.00
4/15/2007	1134.40	-0.50	-0.59	0.00
5/15/2007	1134.50	-0.40	-0.55	0.00
6/15/2007	1134.49	-0.42	-0.52	0.00
7/15/2007	1134.49	-0.41	-0.50	0.00
8/15/2007	1134.47	-0.43	-0.49	0.00
9/15/2007	1134.44	-0.46	-0.47	0.00
10/15/2007	1134.40	-0.51	-0.46	0.00
11/15/2007	1134.42	-0.48	-0.46	0.00
12/15/2007	1134.42	-0.48	-0.45	0.00

1/15/2008	1134.42	-0.48	-0.45	0.00
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6/15/2008	1134.54	-0.36	-0.44	0.00
7/15/2008	1134.45	-0.45	-0.43	0.00
8/15/2008	1134.42	-0.48	-0.43	0.00
9/15/2008	1134.39	-0.51	-0.43	0.00
10/15/2008	1134.36	-0.54	-0.42	0.00
11/15/2008	1134.48	-0.42	-0.42	0.00
12/15/2008	1134.49	-0.42	-0.41	0.00
1/15/2009	1134.44	-0.47	-0.41	0.00
2/15/2009	1134.46	-0.44	-0.41	0.00
3/15/2009	1134.48	-0.42	-0.41	0.00
4/15/2009	1134.63	-0.27	-0.41	0.00
5/15/2009	1134.77	-0.13	-0.41	0.00
6/15/2009	1134.66	-0.24	-0.42	0.00
7/15/2009	1134.54	-0.36	-0.41	0.00
8/15/2009	1134.43	-0.47	-0.41	0.00
9/15/2009	1134.29	-0.61	-0.41	0.00
10/15/2009	1134.28	-0.62	-0.40	0.00
11/15/2009	1134.34	-0.56	-0.39	0.00
12/15/2009	1134.36	-0.54	-0.38	0.00
1/15/2010	1134.48	-0.43	-0.37	0.00
2/15/2010	1134.44	-0.46	-0.37	0.00
3/15/2010	1134.57	-0.33	-0.36	0.00
4/15/2010	1134.76	-0.14	-0.35	0.00
5/15/2010	1134.82	-0.08	-0.35	0.00
6/15/2010	1134.82	-0.09	-0.34	0.00
7/15/2010	1134.71	-0.19	-0.34	0.00
8/15/2010	1134.57	-0.33	-0.34	0.00
9/15/2010	1134.56	-0.35	-0.34	0.00
10/15/2010	1134.52	-0.39	-0.36	0.00
11/15/2010	1134.49	-0.41	-0.37	0.00
12/15/2010	1134.46	-0.44	-0.38	0.00
1/15/2011	1134.45	-0.46	-0.39	0.00
2/15/2011	1134.42	-0.48	-0.41	0.00
3/15/2011	1134.37	-0.53	-0.42	0.00
4/15/2011	1134.49	-0.41	-0.42	0.00
5/15/2011	1134.50	-0.40	-0.42	0.00
6/15/2011	1134.52	-0.38	-0.42	0.00
7/15/2011	1134.40	-0.50	-0.41	0.00
8/15/2011	1134.34	-0.56	-0.40	0.00
9/15/2011	1134.36	-0.54	-0.39	0.00
10/15/2011	1134.44	-0.46	-0.38	0.00
11/15/2011	1134.56	-0.34	-0.36	0.00

12/15/2011	1134.76	-0.14	-0.34	0.00
1/15/2012	1134.71	-0.19	-0.31	0.00
2/15/2012	1134.59	-0.31	-0.29	0.00
3/15/2012	1134.54	-0.36	-0.26	0.00
4/15/2012	1134.55	-0.35	-0.23	0.00
5/15/2012	1134.72	-0.18	-0.20	0.00
6/15/2012	1134.87	-0.03	-0.17	0.00
7/15/2012	1134.79	-0.11	-0.14	0.00
8/15/2012	1134.73	-0.17	-0.11	0.00
9/15/2012	1134.73	-0.17	-0.08	0.00
10/15/2012	1134.75	-0.15	-0.04	0.00
11/15/2012	1134.84	-0.06	-0.01	0.00
12/15/2012	1134.90	-0.01	0.02	0.00
1/15/2013	1135.02	0.12	0.05	0.00
2/15/2013	1134.99	0.09	0.08	0.00
3/15/2013	1134.97	0.07	0.11	0.00
4/15/2013	1135.16	0.26	0.13	0.00
5/15/2013	1135.37	0.47	0.15	0.00
6/15/2013	1135.30	0.40	0.17	0.00
7/15/2013	1135.16	0.26	0.18	0.00
8/15/2013	1135.06	0.16	0.19	0.00
9/15/2013	1134.97	0.07	0.20	0.00
10/15/2013	1135.09	0.19	0.21	0.00
11/15/2013	1135.04	0.14	0.21	0.00
12/15/2013	1135.11	0.21	0.22	0.00
1/15/2014	1135.12	0.22	0.22	0.00
2/15/2014	1135.09	0.19	0.22	0.00
3/15/2014	1135.05	0.15	0.23	0.00
4/15/2014	1135.15	0.25	0.24	0.00
5/15/2014	1135.23	0.33	0.24	0.00
6/15/2014	1135.28	0.38	0.25	0.00
7/15/2014	1135.14	0.24	0.26	0.00
8/15/2014	1135.09	0.18	0.27	0.00
9/15/2014	1135.14	0.24	0.27	0.00
10/15/2014	1135.14	0.24	0.29	0.00
11/15/2014	1135.19	0.29	0.30	0.00
12/15/2014	1135.26	0.35	0.31	0.00
1/15/2015	1135.24	0.33	0.33	0.00
2/15/2015	1135.13	0.23	0.34	0.00
3/15/2015	1135.08	0.18	0.36	0.00
4/15/2015	1135.23	0.33	0.38	0.00
5/15/2015	1135.48	0.58	0.40	0.00
6/15/2015	1135.51	0.61	0.42	0.00
7/15/2015	1135.41	0.51	0.45	0.00
8/15/2015	1135.28	0.38	0.48	0.00
9/15/2015	1135.22	0.32	0.50	0.00
10/15/2015	1135.17	0.27	0.53	0.00

11/15/2015	1135.35	0.45	0.56	0.00
12/15/2015	1135.60	0.70	0.58	0.00
1/15/2016	1135.71	0.81	0.59	0.00
2/15/2016	1135.65	0.75	0.61	0.00
3/15/2016	1135.61	0.71	0.62	0.00
4/15/2016	1135.68	0.77	0.62	0.00
5/15/2016	1135.86	0.96	0.62	0.00
6/15/2016	1135.75	0.85	0.62	0.00
7/15/2016	1135.66	0.76	0.60	0.00
8/15/2016	1135.53	0.63	0.57	0.00
9/15/2016	1135.45	0.54	0.55	0.00
10/15/2016	1135.36	0.46	0.51	0.00
11/15/2016	1135.34	0.44	0.47	0.00
12/15/2016	1135.27	0.37	0.43	0.00
1/15/2017	1135.18	0.28	0.39	0.00
2/15/2017	1135.04	0.14	0.36	0.00
3/15/2017	1135.08	0.18	0.32	0.00
4/15/2017	1135.15	0.25	0.29	0.00
5/15/2017	1135.31	0.40	0.26	0.00
6/15/2017	1135.22	0.32	0.24	0.00
7/15/2017	1135.11	0.21	0.23	0.00
8/15/2017	1134.97	0.07	0.22	0.00
9/15/2017	1134.97	0.07	0.21	0.00
10/15/2017	1134.97	0.07	0.23	0.00
11/15/2017	1135.09	0.19	0.24	0.00
12/15/2017	1135.08	0.18	0.26	0.00
1/15/2018	1135.01	0.11	0.28	0.00
2/15/2018	1134.92	0.02	0.30	0.00
3/15/2018	1135.03	0.13	0.32	0.00
4/15/2018	1135.27	0.37	0.34	0.00
5/15/2018	1135.54	0.64	0.36	0.00
6/15/2018	1135.57	0.67	0.38	0.00
7/15/2018	1135.49	0.58	0.39	0.00
8/15/2018	1135.39	0.49	0.41	0.00
9/15/2018	1135.32	0.42	0.42	0.00
10/15/2018	1135.28	0.38	0.43	0.00
11/15/2018	1135.28	0.38	0.43	0.00
12/15/2018	1135.32	0.42	0.44	0.00
1/15/2019	1135.34	0.44	0.44	0.00
2/15/2019	1135.29	0.39	0.44	0.00
3/15/2019	1135.27	0.37	0.44	0.00
4/15/2019	1135.26	0.36	0.44	0.00
5/15/2019	1135.30	0.40	0.44	0.00
6/15/2019	1135.42	0.52	0.45	0.00
7/15/2019	1135.37	0.46	0.45	0.00
8/15/2019	1135.32	0.42	0.45	0.00
9/15/2019	1135.27	0.37	0.46	0.00

10/15/2019	1135.34	0.44	0.46	0.00
11/15/2019	1135.43	0.53	0.47	0.00
12/15/2019	1135.75	0.85	0.48	0.00
1/15/2020	1135.92	1.02	0.49	0.00
2/15/2020	1136.07	1.17	0.50	0.00
3/15/2020	1136.13	1.23	0.51	0.00



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