

Appendix 5-13: Water Year 2006 Diel Data for STA-5

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Table 1. Statistical summary of diel parameters at STA-5 outflow (STA5DC and G344D) and canal stations (NMC, SMC, G373, and G402DS) for each deployment period during Water Year 2006.

Period	Location	Station	Water Temperature (°C)						Specific Conductivity (µS/cm)						Water pH						Dissolved Oxygen (mg/L)					
			No. of Samples	Mean	Minimum	Median	Maximum	Standard Deviation	No. of Samples	Mean	Minimum	Median	Maximum	Standard Deviation	No. of Samples	Mean	Minimum	Median	Maximum	Standard Deviation	No. of Samples	Mean	Minimum	Median	Maximum	Standard Deviation
06/16/2005 - 06/20/2005	Outflow	STA5DC	97	29.44	25.56	29.40	31.32	0.80	97	442.4	341	444	461	16.5	97	7.19	7.12	7.19	7.25	0.02	97	1.19	0.49	1.13	1.99	0.33
	Outflow	G344D	100	29.45	25.64	29.73	32.84	1.36	100	463.4	437	459.5	491	12.6	200	4.39	0.76	5.67	7.33	2.82	-ND-	-ND-	-ND-	-ND-	-ND-	
	Canal	NMC	191	29.95	29.17	29.96	30.68	0.27	191	812.6	629	815	968	116.5	191	7.10	7.01	7.11	7.18	0.05	191	2.43	1.62	2.42	3.23	0.38
	Canal	SMC	192	29.80	29.08	29.83	30.40	0.31	192	731.6	603	723	908	67.4	384	4.61	1.30	5.08	7.22	2.56	-ND-	-ND-	-ND-	-ND-	-ND-	
09/26/2005 - 09/29/2005	Outflow	STA5DC	142	26.74	25.26	26.65	30.47	1.01	142	430.4	415	432	443	7.5	142	7.28	7.19	7.27	7.45	0.04	142	0.88	0.06	0.69	3.16	0.73
	Outflow	G344D	141	26.68	25.93	26.74	27.31	0.38	141	488.7	473	488	508	9.5	141	7.07	6.96	7.07	7.12	0.02	141	0.57	0.17	0.52	1.15	0.32
	Canal	G373	138	28.54	27.90	28.45	30.40	0.48	138	1035.4	898	1074.5	1154	74.8	138	7.34	7.23	7.33	7.50	0.08	138	3.43	2.73	3.23	5.61	0.63
	Canal	G402DS	141	28.10	26.90	27.95	29.56	0.55	141	333.8	231	340	374	21.8	141	8.18	7.38	8.28	8.51	0.30	141	1.50	0.28	1.41	3.03	0.72
12/19/2005 - 12/22/2005	Outflow	STA5DC	135	18.96	16.98	19.19	20.48	0.91	135	509.5	484	510	557	18.1	135	7.51	7.41	7.51	7.63	0.07	135	2.88	2.03	2.80	3.81	0.51
	Outflow	G344D	135	19.12	16.41	19.17	21.13	1.17	135	575.6	541	554	676	38.3	135	7.39	7.23	7.40	7.51	0.06	135	2.91	0.66	2.93	4.64	0.89
	Canal	G373	135	20.24	19.01	20.36	21.07	0.49	135	1114.6	1087	1115	1124	7.4	135	7.92	7.84	7.92	7.97	0.04	135	6.95	6.72	6.94	7.27	0.11
	Canal	G402DS	135	20.64	19.56	20.75	21.46	0.46	135	507.4	502	508	509	1.5	135	7.99	7.70	8.01	8.17	0.12	135	2.67	2.15	2.67	3.12	0.32
03/20/2006 - 03/23/2006	Outflow	STA5DC	140	24.43	23.48	24.33	26.13	0.60	140	966.8	924	971	1009	27.2	140	7.67	7.56	7.64	7.94	0.10	140	5.19	3.27	4.78	9.51	1.52
	Outflow	G344D	139	24.20	22.45	23.91	26.66	1.14	139	965.7	942	965	988	8.3	139	7.29	7.14	7.28	7.41	0.07	139	6.10	4.75	6.05	7.73	0.76
	Canal	G373	140	23.58	22.13	23.06	25.76	1.04	140	643.8	610	649	679	18.7	140	8.02	7.91	7.98	8.17	0.07	140	7.41	6.46	7.15	8.61	0.56
	Canal	G402DS	141	24.68	23.83	24.57	26.61	0.60	141	837.1	814	836	858	12.1	141	7.88	7.77	7.85	8.17	0.08	141	5.85	4.63	5.52	9.59	1.03

ND – No data was available for this deployment period.

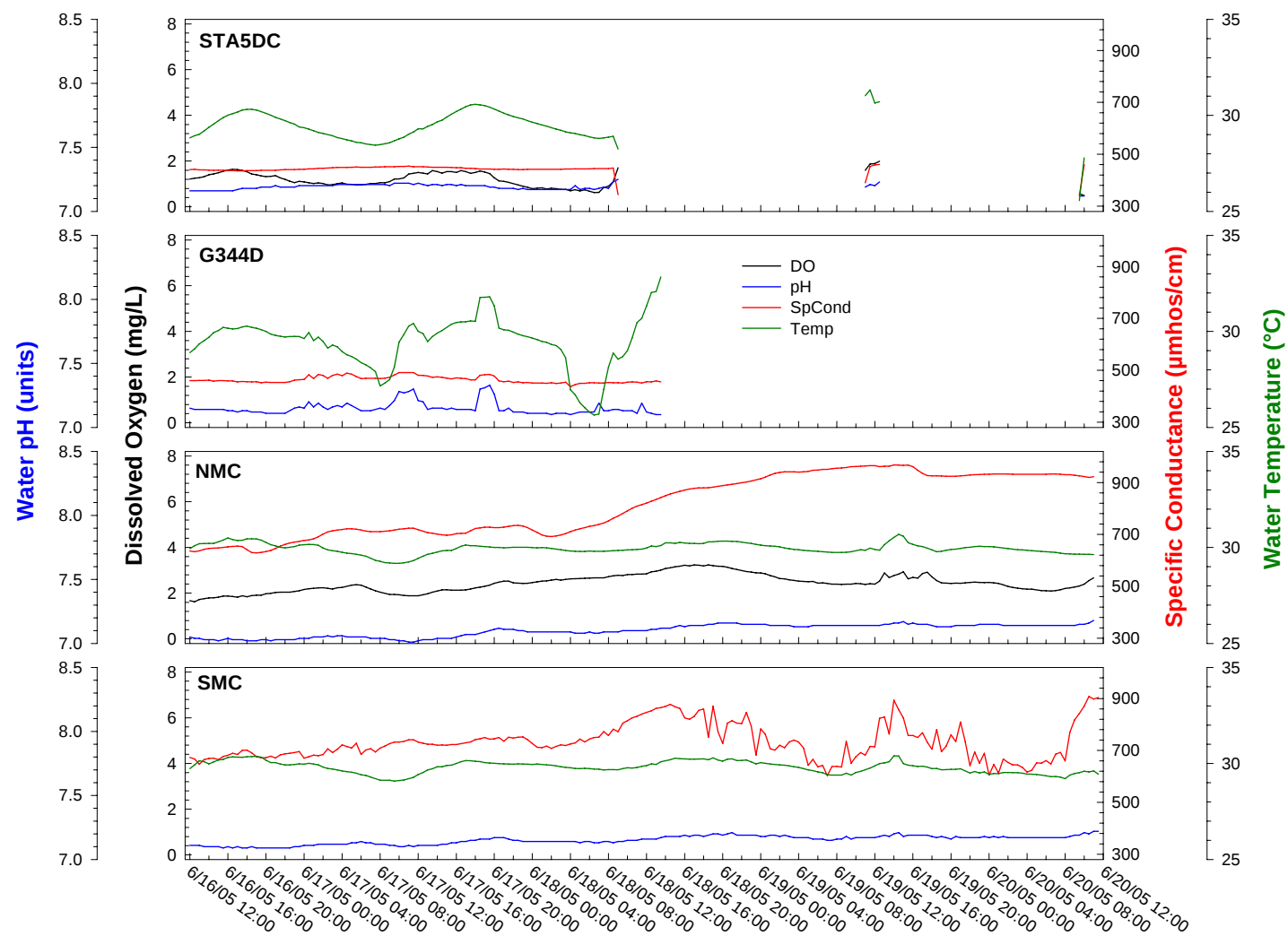


Figure 1. Diel measurements at STA5DC, G344D, NMC, and SMC in STA-1W, June 16–20, 2005.

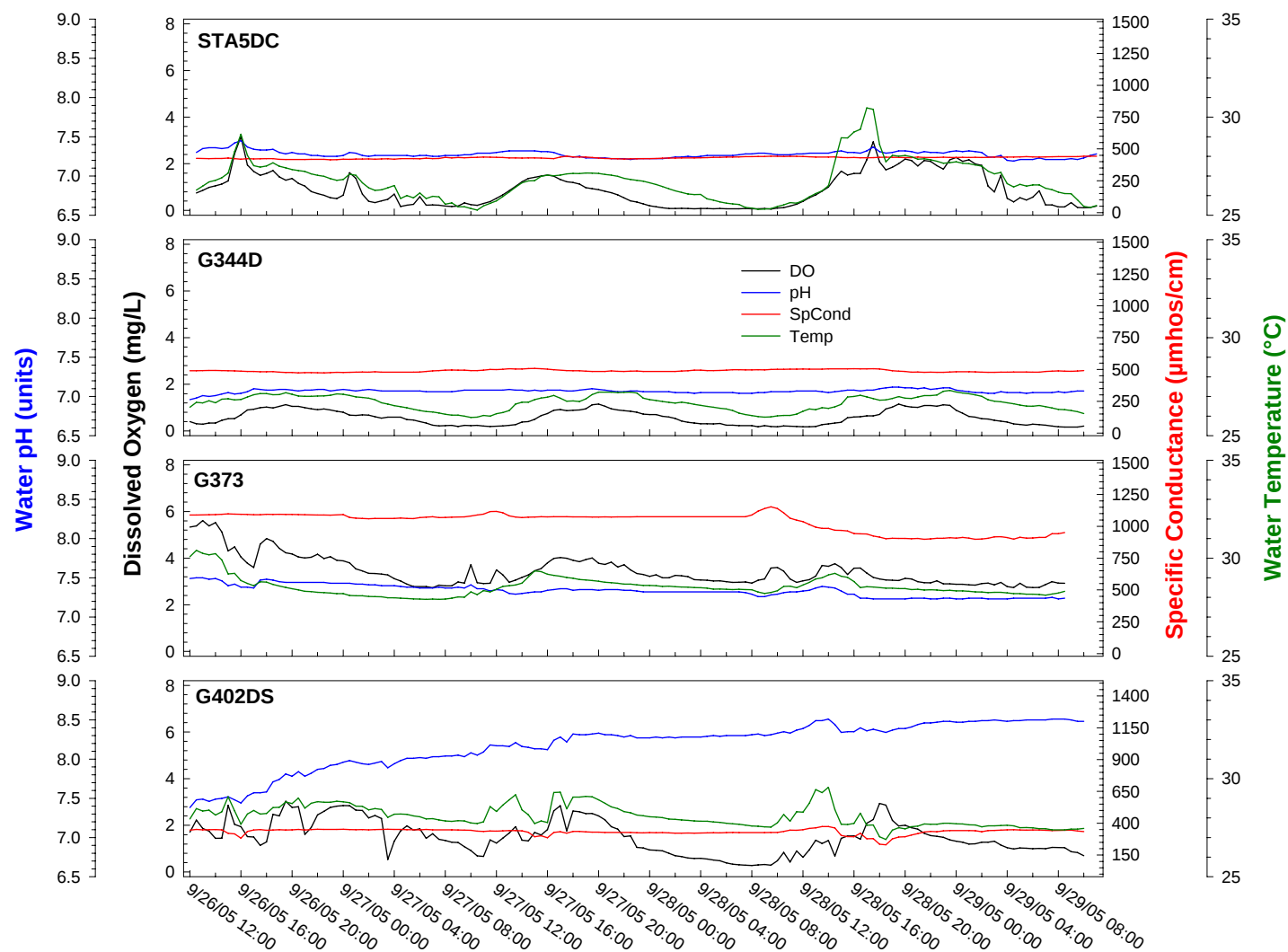


Figure 2. Diel measurements at STA5DC, G344D, G373, and G402DS in STA-1W, September 26–29, 2005.

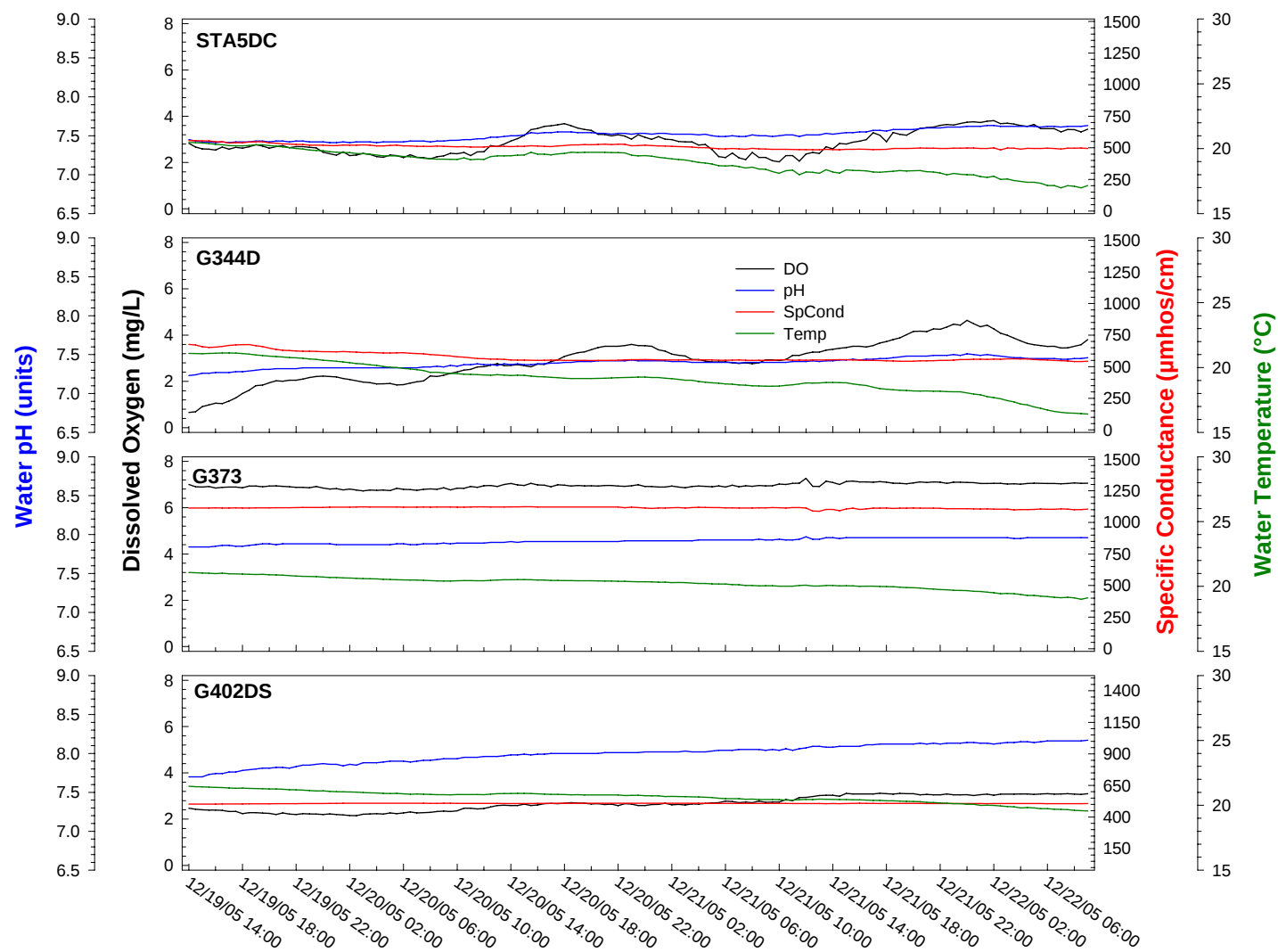


Figure 3. Diel measurements at STA5DC, G344D, G373, and G402DS in STA-1W, December 19–22, 2005.

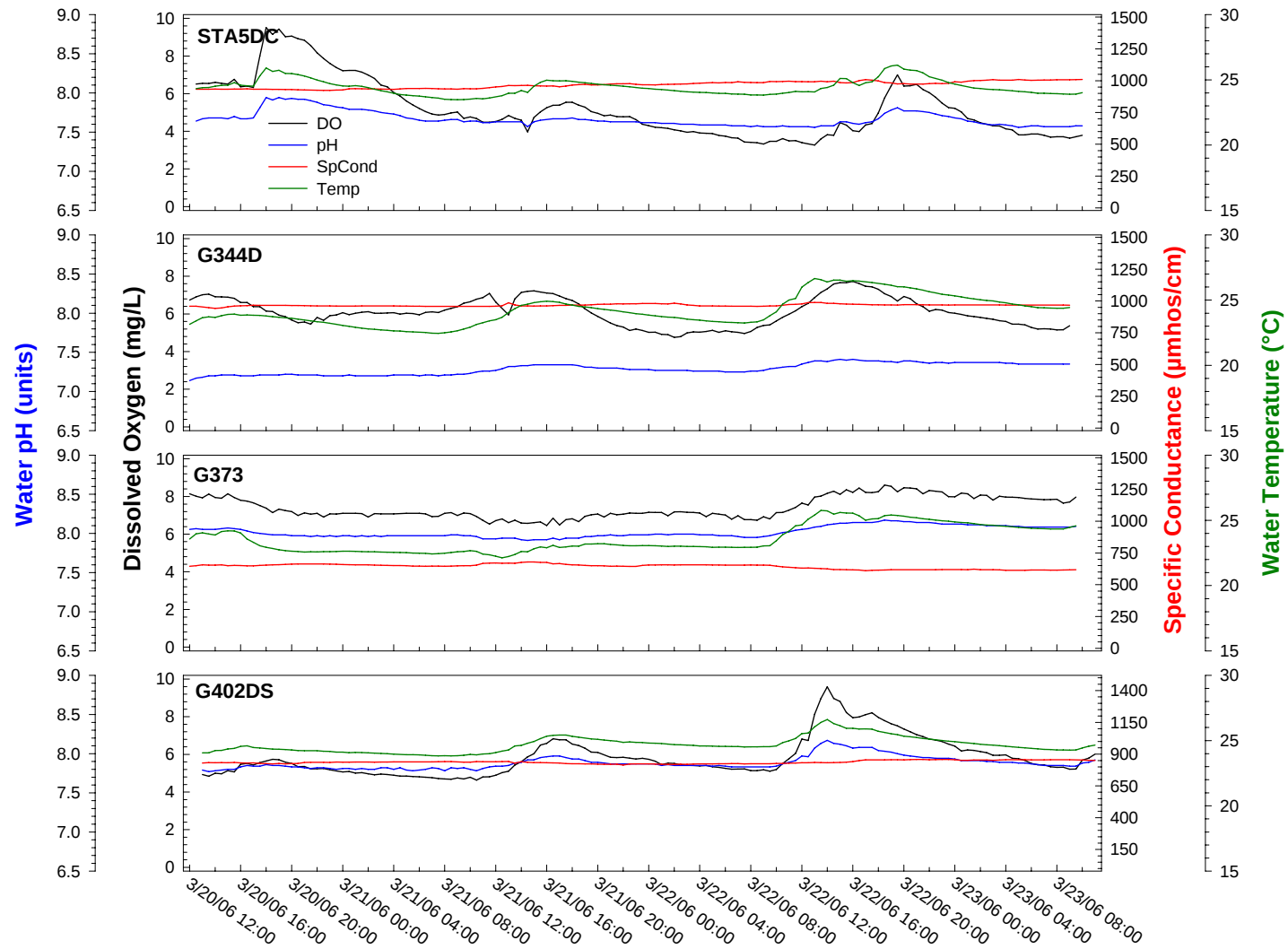


Figure 4. Diel measurements at STA5DC, G344D, G373, and G402DS in STA-1W, March 20–23, 2006.