Appendix 4A-9: STA-5 Dissolved Oxygen Data

Table 1. Statistical summary of diel parameters at the outflow stations from STA-5, stations in the Miami Canal, and marsh stations in the Rotenberger Tract for each deployment period

Period	Location	Station	Temperature (°C)						Specific Conductivity (µmhos/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
05/21/2001 - 05/24/2001	Outflow	G344A	140	28.4	26.8	28.2	30.8	0.9	140	1,170.4	1,110	1,183	1,227	33.9	140	7.92	7.73	7.88	8.26	0.15	140	6.13	4.60	5.98	8.64	1.14
		G344D	140	26.7	25.4	26.6	27.9	0.6	140	1,172.5	1,144	1,166	1,231	19.9	140	7.42	7.27	7.43	7.49	0.05	140	3.05	0.70	3.40	4.80	0.99
	Miami Canal	NMC	142	27.7	27.4	27.7	28.2	0.2	142	686.1	637	683	716	9.0	142	8.05	7.88	8.02	8.29	0.11	142	5.76	4.76	5.59	7.65	0.72
		SMC	142	27.7	27.4	27.6	28.3	0.2	142	684.2	673	680	722	11.1	142	8.08	7.92	8.08	8.28	0.09	142	5.56	4.64	5.49	6.86	0.56
09/20/2001 - 09/26/2001	Outflow	G344A	300	29.0	26.8	28.9	31.4	1.2	300	400.8	372	402	427	11.0	300	7.27	7.16	7.24	7.45	0.07	300	2.05	0.37	1.57	5.31	1.42
		G344D	302	28.1	26.7	28.1	29.6	0.7	302	490.1	452	492	527	20.7	302	7.33	7.22	7.32	7.47	0.07	302	1.57	0.83	1.15	3.31	0.74
	Miami Canal	NMC	299	29.0	27.8	29.1	30.0	0.5	299	497.6	405	473	775	87.8	299	7.22	7.15	7.21	7.33	0.04	299	1.98	0.73	1.81	3.93	0.81
		SMC	298	29.1	28.2	29.1	30.3	0.5	298	441.4	389	434	702	47.3	298	7.40	7.29	7.40	7.54	0.06	298	1.80	0.56	1.70	3.53	0.82
	N	N.25	230	28.8	26.8	28.9	30.9	1.2	230	383.4	354	386	402	11.0	230	7.21	7.14	7.20	7.30	0.04	230	1.71	0.24	1.59	3.62	0.97
		N1	231	29.2	27.0	29.0	31.8	1.3	231	487.0	446	473	519	23.8	231	7.37	7.26	7.35	7.67	0.08	231	1.53	0.16	1.14	4.53	1.17
		N4	231	29.0	27.1	29.0	30.8	1.1	231	359.7	345	353	384	12.3	231	7.11	6.97	7.11	7.32	0.08	231	2.62	0.40	2.37	6.22	1.58
	S	S.25	231	28.5	27.0	28.3	30.9	1.1	231	429.2	409	431	449	10.2	231	7.17	7.11	7.15	7.31	0.05	231	1.85	0.29	1.38	4.61	1.23
		S1	230	30.3	27.5	29.7	35.4	2.2	230	459.8	420	460	489	18.3	230	7.45	7.30	7.38	7.83	0.16	230	2.45	0.18	1.64	6.85	2.14
		S4	231	28.0	26.3	28.0	29.9	1.0	231	432.8	405	434	455	14.5	231	7.05	6.97	7.03	7.24	0.06	231	1.89	0.48	1.76	4.40	1.05
11/07/2001 - 11/13/2001	Outflow	G344A	285	21.4	19.3	21.5	22.6	0.7	285	512.7	441	505	664	50.6	285	7.12	7.01	7.09	7.42	0.09	285	2.75	1.09	2.29	6.81	1.42
		G344D	286	20.8	19.7	20.8	22.3	0.6	286	466.1	452	458	619	29.7	286	7.29	7.21	7.29	7.36	0.03	286	2.10	0.79	1.99	4.03	0.80
	Miami Canal	NMC	289	21.6	20.4	21.5	22.7	0.5	289	582.0	460	541	1,026	111.8	289	7.24	7.15	7.23	7.55	0.07	289	2.47	1.07	2.19	5.36	1.03
		SMC	289	21.7	21.0	21.7	22.4	0.4	289	562.5	472	547	718	58.6	289	7.55	7.44	7.56	7.61	0.05	289	2.78	1.52	2.52	5.39	0.91
	N	N.25	280	21.7	20.0	21.6	24.0	1.0	280	509.8	489	509	551	10.4	280	7.19	7.10	7.18	7.39	0.06	280	1.80	0.37	1.70	4.84	1.08
		N1	281	21.2	19.2	21.2	23.5	1.1	281	543.7	525	547	553	7.6	281	7.20	7.12	7.19	7.31	0.04	281	1.51	0.56	1.56	3.02	0.61
		N4	281	20.7	19.3	20.7	22.9	0.7	281	447.2	427	451	457	7.9	281	7.17	6.99	7.15	7.48	0.10	281	2.03	0.54	1.76	6.70	1.04
	S	S.25	281	21.0	19.0	20.8	23.2	1.2	281	433.3	417	434	441	5.7	281	7.13	6.98	7.10	7.46	0.11	281	3.12	1.16	2.79	6.17	1.35
		S1	281	22.1	20.0	22.0	24.4	1.2	281	540.1	529	536	557	8.7	281	7.14	7.02	7.11	7.51	0.10	281	3.08	1.03	2.79	7.33	1.56
		S4	281	21.7	19.8	21.6	24.6	1.3	281	448.9	436	443	598	16.9	281	7.25	7.15	7.23	7.48	0.08	281	2.53	0.67	2.34	6.77	1.46
03/20/2002 - 03/27/2002	Outflow	G344A	337	24.7	21.7	24.7	27.7	1.3	337	1,100.7	1,002	1,109	1,245	50.8	337	7.57	7.09	7.63	7.81	0.17	337	4.55	0.41	4.47	8.04	1.44
		G344D	337	23.7	22.3	23.6	26.8	0.7	337	973.6	937	964	1,186	32.5	337	7.39	7.22	7.37	7.58	0.08	337	2.41	1.09	2.41	4.27	0.54
	Miami Canal	NMC	337	24.5	23.2	24.5	26.0	0.6	337	995.5	743	1,005	1,081	77.5	337	7.85	7.50	7.81	8.36	0.20	337	5.72	3.92	5.45	8.56	0.86
		SMC	337	24.6	23.2	24.5	26.5	0.7	337	1,016.0	780	1,034	1,118	60.2	337	7.90	7.61	7.86	8.56	0.17	337	5.48	3.81	5.42	8.81	0.73

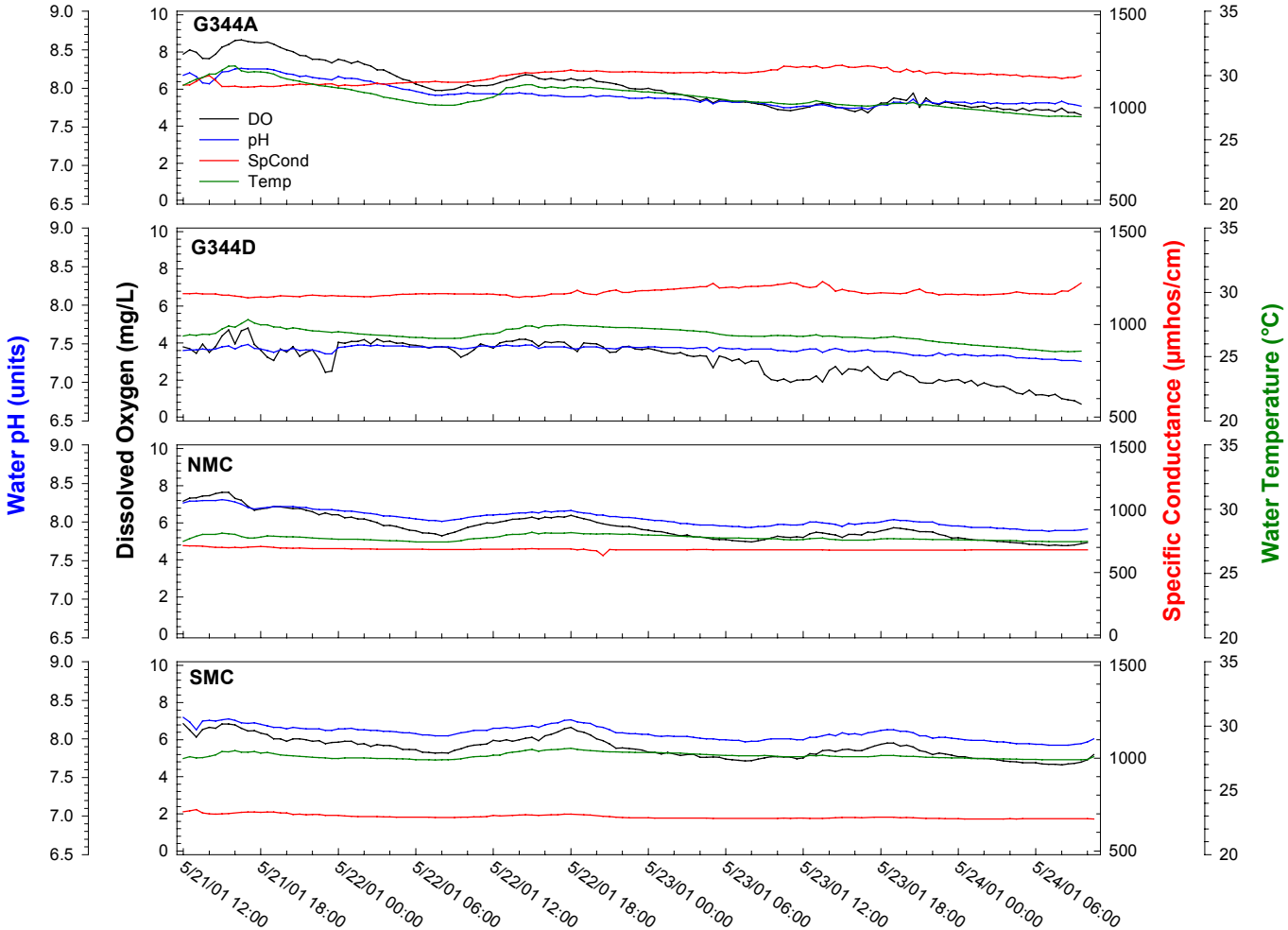

Figure 1. Diel measurements at outflows from STA-5 and reference stations in the Miami Canal, May 21 through 24, 2001

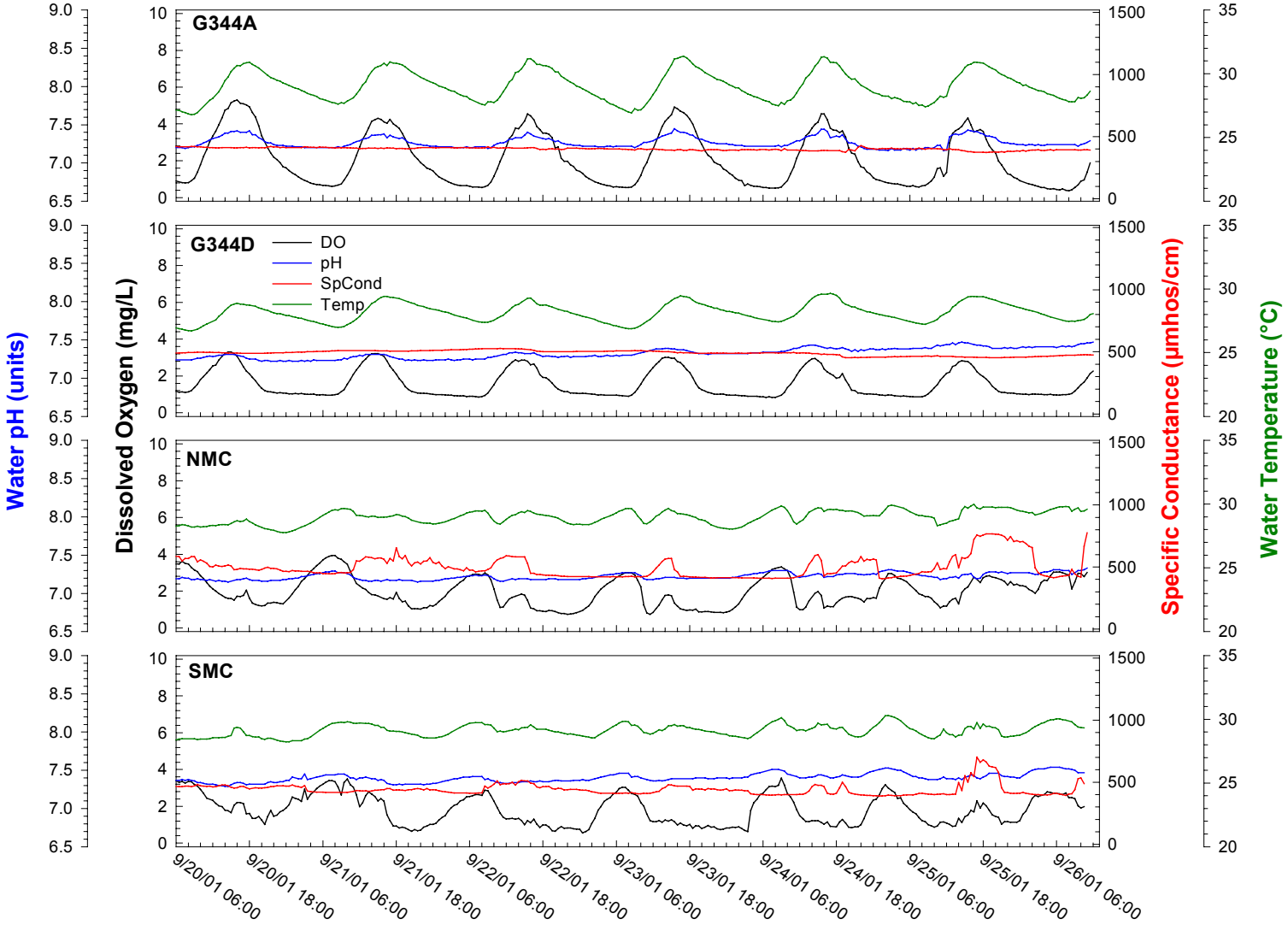

Figure 2. Diel measurements at outflows from STA-5 and reference stations in the Miami Canal, September 20 through 26, 2001

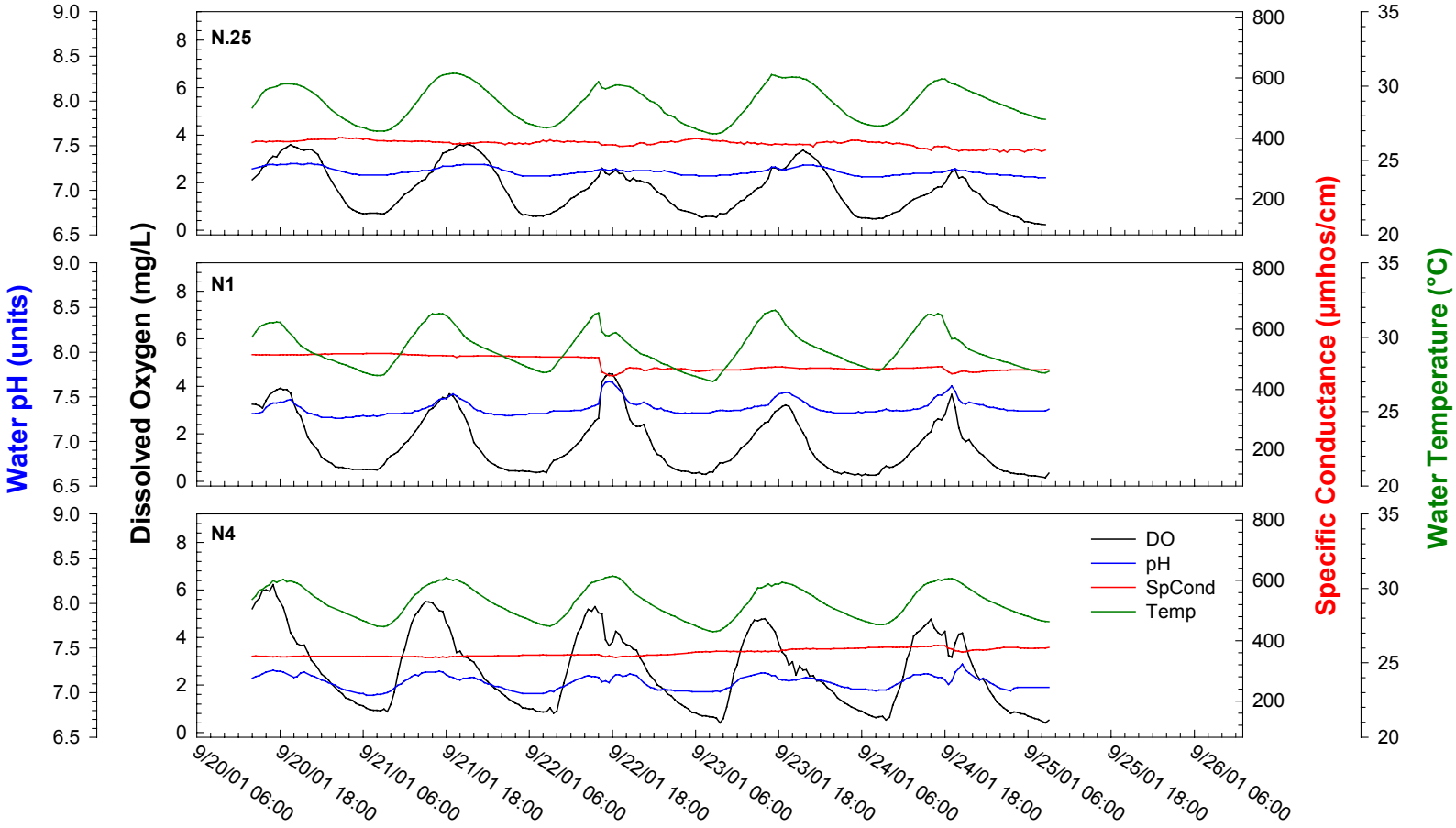

Figure 3. Diel measurements at transect N marsh sites in the Rotenberger Tract, September 20 through 26, 2001

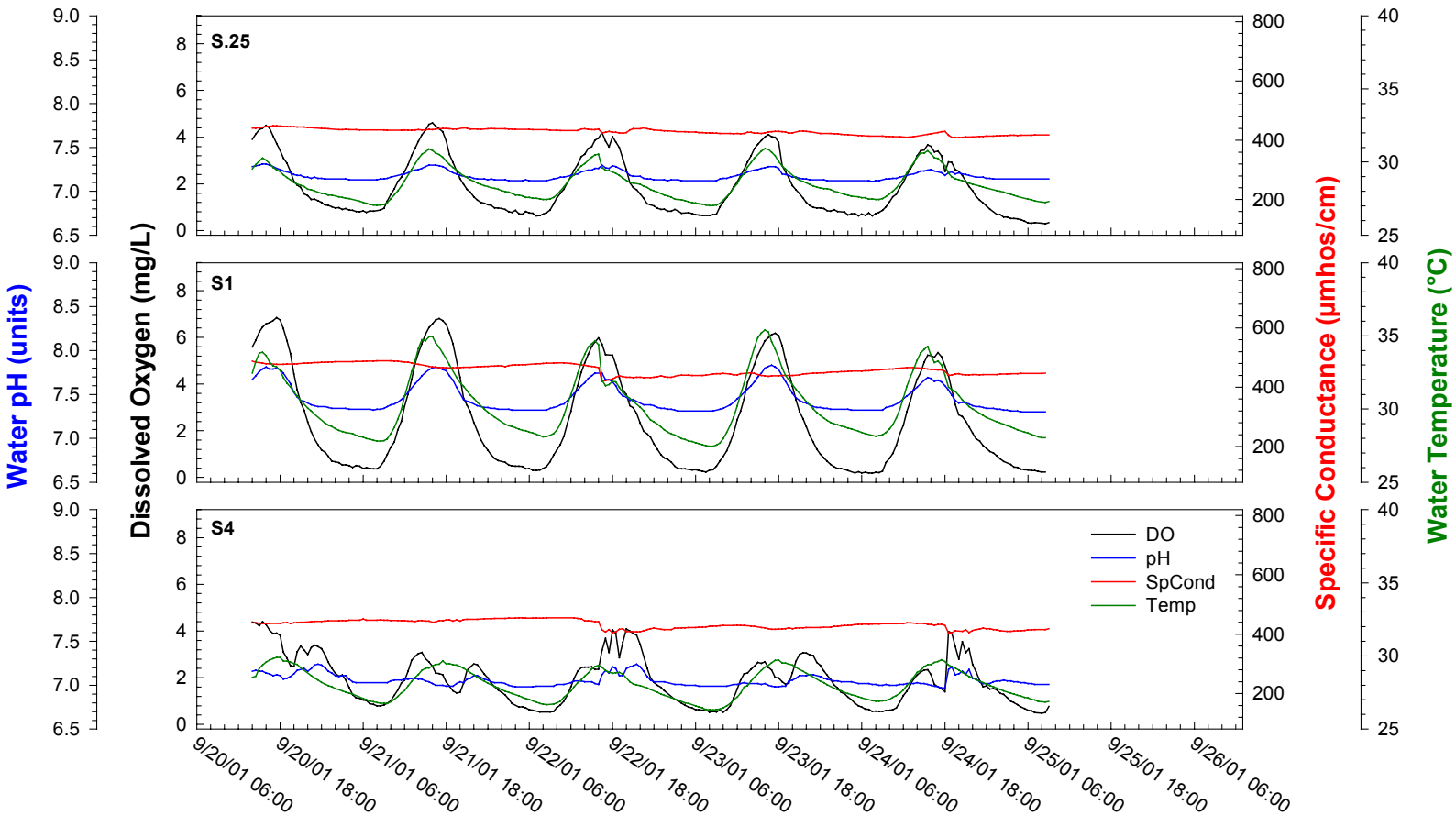

Figure 4. Diel measurements at transect N marsh sites in the Rotenberger Tract, September 20 through 26, 2001

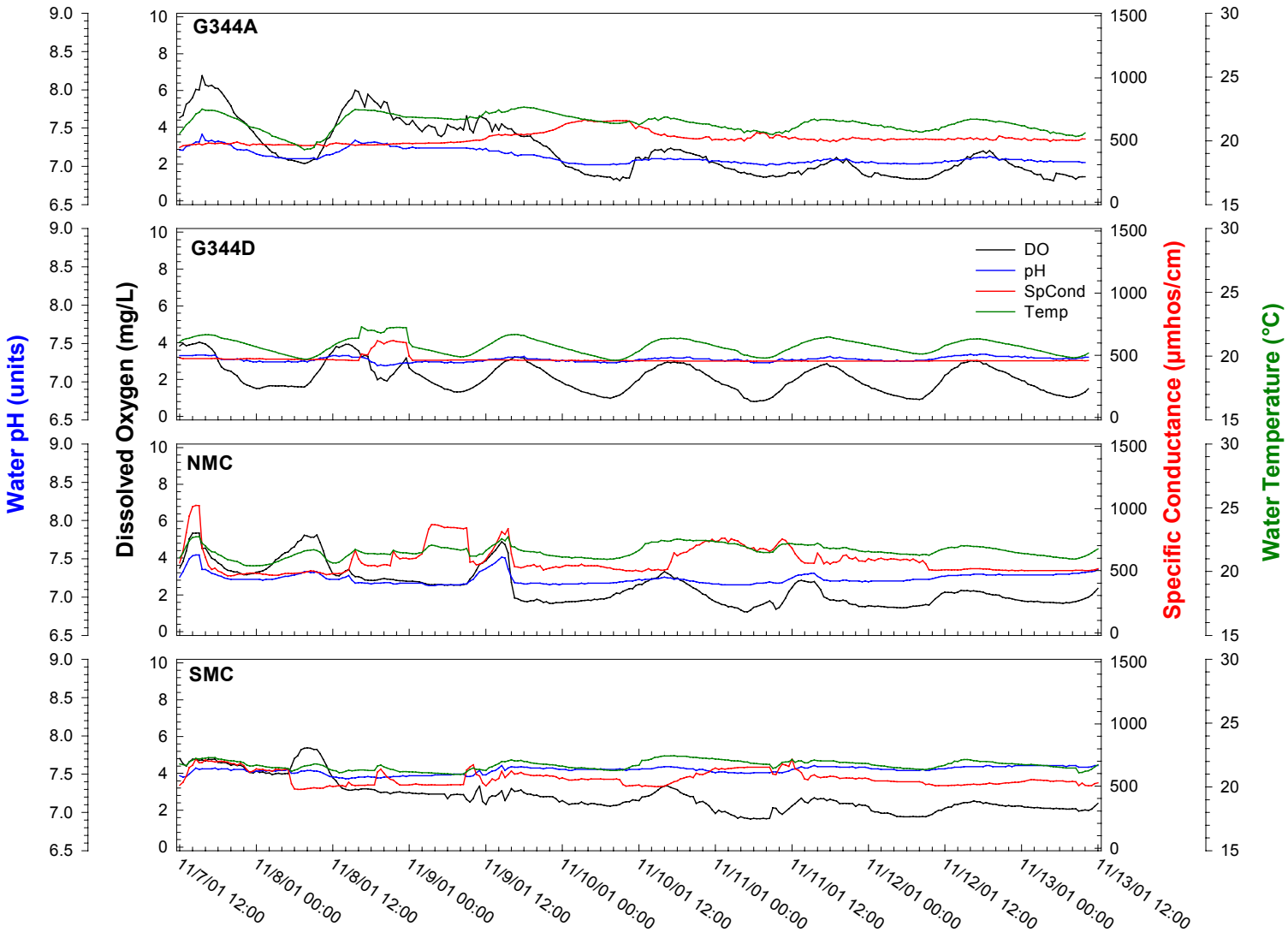

Figure 5. Diel measurements at outflows from STA-5 and reference stations in the Miami Canal, November 7 through 13, 2001

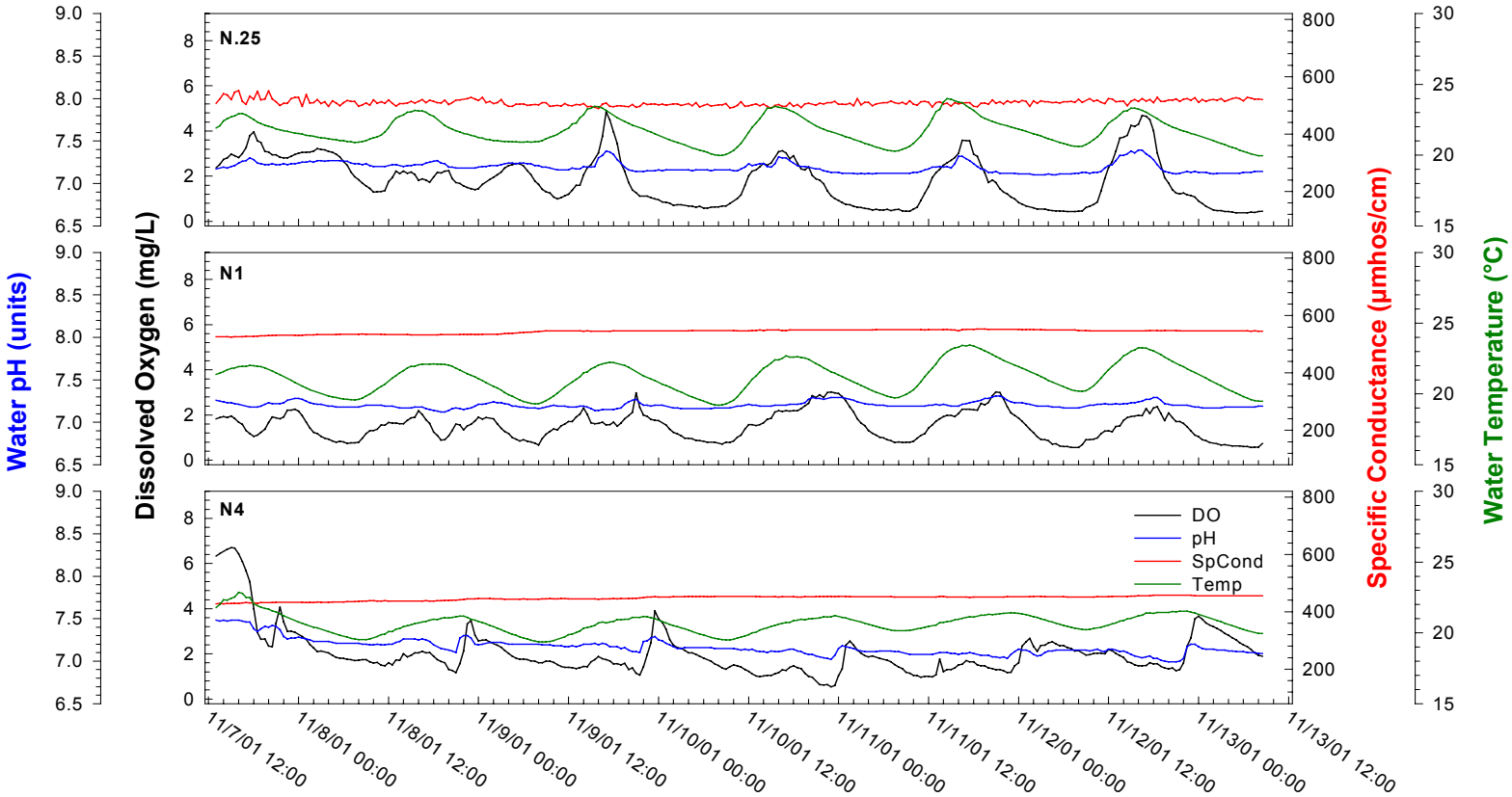

Figure 6. Diel measurements at transect N marsh sites in the Rotenberger Tract, November 7 through 13, 2001

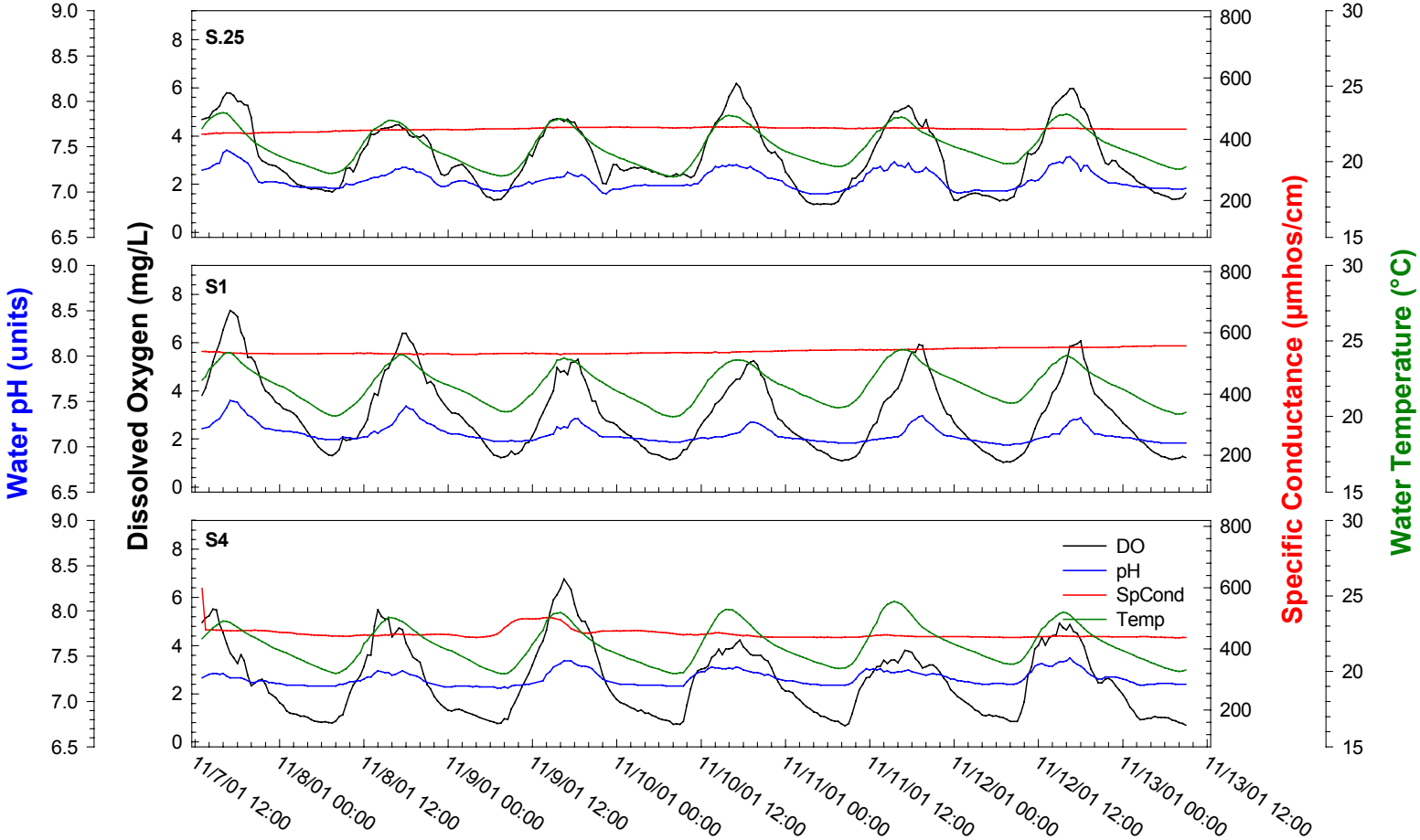

Figure 7. Diel measurements at transect S marsh sites in the Rotenberger Tract, November 7 through 13, 2001

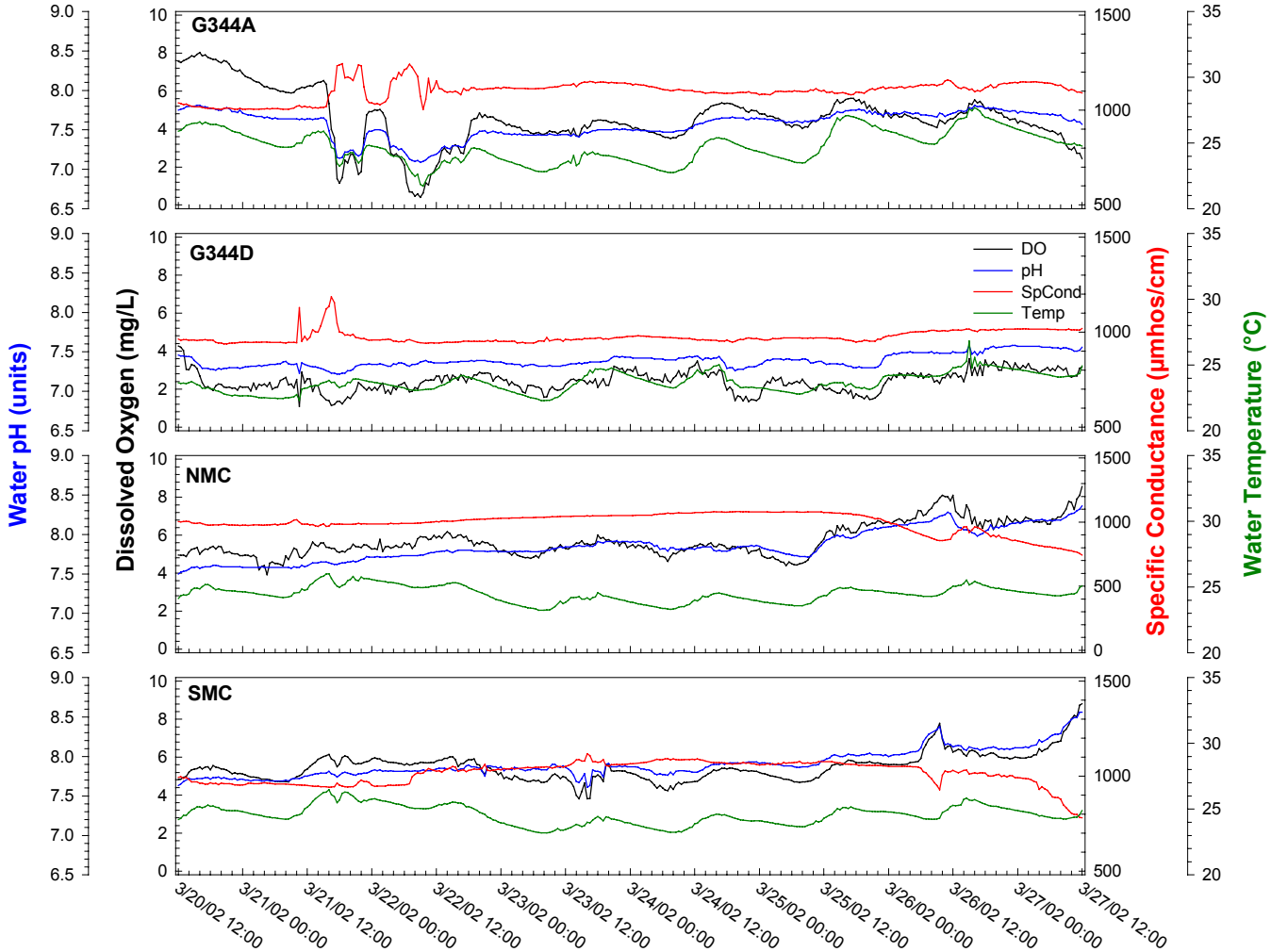

Figure 8. Diel measurements at outflows from STA-5 and reference stations in the Miami Canal, March 20 through 27, 2002