

Daily Flare Monitoring Data - Bridgeton Landfill
5/1/2014 - 10/31/2014

Date	Average Device Flow (scfm)				Total Avg. Flow (scfm)
	Candlestick Flare (FL-100)	Candlestick Flare (FL-140)	Candlestick Flare (FL-120)	E. Aux. Candlestick Flare	
5/1/2014	1,765	2,843	2,017	947	7,572
5/2/2014	1,650	2,812	2,290	905	7,657
5/3/2014	1,903	3,084	2,058	908	7,954
5/4/2014	2,313	3,362	1,503	921	8,099
5/5/2014	2,409	3,480	1,556	831	8,276
5/6/2014	2,265	3,054	1,430	774	7,523
5/7/2014	1,641	3,309	1,943	806	7,699
5/8/2014	1,319	3,075	2,456	836	7,687
5/9/2014	1,314	3,082	2,523	788	7,706
5/10/2014	1,328	3,151	2,523	769	7,771
5/11/2014	1,341	3,150	2,595	767	7,853
5/12/2014	1,358	3,133	2,727	767	7,985
5/13/2014	868	2,371	2,238	707	6,185
5/14/2014	640	2,395	2,289	767	6,091
5/15/2014	1,149	2,578	2,189	792	6,708
5/16/2014	1,306	2,758	2,271	719	7,054
5/17/2014	1,441	2,953	2,305	679	7,377
5/18/2014	1,505	3,009	2,318	833	7,665
5/19/2014	1,473	2,946	2,558	760	7,736
5/20/2014	1,599	2,788	2,404	763	7,555
5/21/2014	1,479	2,772	2,647	763	7,661
5/22/2014	1,359	2,678	3,166	728	7,932
5/23/2014	1,296	2,648	3,226	692	7,861
5/24/2014	1,476	2,590	3,198	599	7,864
5/25/2014	1,338	2,490	3,002	697	7,527
5/26/2014	1,380	2,589	2,999	683	7,650
5/27/2014	1,431	2,939	3,482	659	8,510
5/28/2014	1,415	2,941	3,496	595	8,446
5/29/2014	1,401	2,964	3,567	537	8,469
5/30/2014	1,360	2,976	3,623	436	8,395
5/31/2014	1,360	3,007	3,647	356	8,370

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	Candlestick Flare (FL-100)	Candlestick Flare (FL-140)	Candlestick Flare (FL-120)	E. Aux. Candlestick Flare	
6/1/2014	1,647	2,000	3,464	283	7,394
6/2/2014	1,922	3,194	2,700	223	8,038
6/3/2014	2,022	3,265	2,811	160	8,259
6/4/2014	1,936	3,471	2,962	151	8,521
6/5/2014	1,874	3,372	2,847	141	8,234
6/6/2014	1,890	3,400	2,711	317	8,317
6/7/2014	1,686	3,080	2,496	743	8,006
6/8/2014	1,668	3,083	2,462	673	7,886
6/9/2014	1,612	2,987	2,332	634	7,565
6/10/2014	1,636	3,003	2,424	586	7,649
6/11/2014	1,653	3,031	2,492	536	7,711
6/12/2014	1,674	3,069	2,456	538	7,737
6/13/2014	1,487	2,979	2,248	558	7,272
6/14/2014	1,762	3,184	2,590	489	8,025
6/15/2014	1,764	3,176	2,596	503	8,040
6/16/2014	1,880	3,361	2,628	436	8,306
6/17/2014	2,437	2,678	2,919	527	8,561
6/18/2014	2,154	2,853	2,771	642	8,420
6/19/2014	1,938	2,686	2,725	846	8,195
6/20/2014	1,914	2,606	2,800	863	8,182
6/21/2014	1,915	N/A	N/A	830	N/A
6/22/2014	1,886	N/A	N/A	603	N/A
6/23/2014	1,955	2,644	2,818	582	7,998
6/24/2014	1,933	2,603	2,695	742	7,974
6/25/2014	2,102	2,708	3,033	262	8,105
6/26/2014	1,954	2,914	3,540	0	8,408
6/27/2014	1,577	3,471	3,505	0	8,553
6/28/2014	1,971	3,462	3,501	0	8,934
6/29/2014	1,887	3,334	3,390	0	8,611
6/30/2014	2,027	3,360	3,427	0	8,814

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	Candlestick Flare (FL-100)	Candlestick Flare (FL-140)	Candlestick Flare (FL-120)	E. Aux. Candlestick Flare	
7/1/2014	1,902	3,662	3,617	0	9,181
7/2/2014	1,599	3,221	3,406	0	8,226
7/3/2014	1,795	3,484	3,538	0	8,816
7/4/2014	1,933	3,611	3,623	0	9,167
7/5/2014	1,537	3,140	3,229	0	7,906
7/6/2014	1,960	3,497	3,527	0	8,985
7/7/2014	2,042	3,552	3,529	0	9,123
7/8/2014	2,083	3,096	3,324	0	8,503
7/9/2014	2,114	3,432	2,898	0	8,444
7/10/2014	2,103	3,474	2,906	0	8,483
7/11/2014	2,292	3,085	2,656	0	8,033
7/12/2014	2,308	3,859	3,229	0	9,396
7/13/2014	2,253	3,818	3,183	0	9,254
7/14/2014	2,059	3,509	3,045	0	8,613
7/15/2014	2,057	3,377	2,998	0	8,432
7/16/2014	2,190	3,743	3,185	0	9,118
7/17/2014	2,232	3,601	3,121	0	8,953
7/18/2014	2,294	3,853	3,303	0	9,450
7/19/2014	2,349	3,525	3,116	0	8,989
7/20/2014	2,375	3,875	3,263	0	9,514
7/21/2014	2,384	3,877	3,317	0	9,578
7/22/2014	2,440	3,913	3,344	0	9,697
7/23/2014	2,290	3,845	3,250	0	9,385
7/24/2014	2,184	3,718	3,167	0	9,069
7/25/2014	2,128	3,659	3,187	0	8,975
7/26/2014	2,094	3,229	2,848	243	8,415
7/27/2014	2,354	3,304	3,180	576	9,414
7/28/2014	1,981	3,377	3,048	222	8,629
7/29/2014	2,103	3,637	3,097	0	8,837
7/30/2014	2,197	3,723	3,081	0	9,001
7/31/2014	2,200	3,663	3,091	0	8,954

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	Candlestick Flare (FL-100)	Candlestick Flare (FL-140)	Candlestick Flare (FL-120)	E. Aux. Candlestick Flare	
8/1/2014	2,121	3,620	3,072	0	8,814
8/2/2014	2,135	3,650	3,103	0	8,888
8/3/2014	2,235	3,484	2,952	0	8,671
8/4/2014	2,272	3,806	3,206	0	9,284
8/5/2014	2,241	3,748	3,193	32	9,215
8/6/2014	1,925	3,206	2,744	0	7,875
8/7/2014	2,040	3,496	3,135	0	8,671
8/8/2014	2,128	3,615	3,087	0	8,830
8/9/2014	2,070	3,552	3,039	0	8,661
8/10/2014	2,128	3,652	3,102	0	8,882
8/11/2014	2,153	3,674	3,096	0	8,923
8/12/2014	2,065	3,588	3,098	0	8,751
8/13/2014	2,147	3,691	3,158	0	8,996
8/14/2014	2,240	3,588	3,048	0	8,877
8/15/2014	2,229	3,759	3,152	0	9,140
8/16/2014	2,080	3,589	3,095	0	8,763
8/17/2014	2,081	3,596	3,095	0	8,772
8/18/2014	2,149	3,656	3,221	0	9,026
8/19/2014	2,152	3,699	3,420	0	9,270
8/20/2014	2,107	3,713	3,340	0	9,159
8/21/2014	2,138	3,629	3,319	0	9,086
8/22/2014	2,249	3,814	3,397	0	9,460
8/23/2014	2,359	3,905	3,495	0	9,759
8/24/2014	2,275	3,458	3,256	0	8,988
8/25/2014	2,363	3,936	3,496	0	9,794
8/26/2014	2,094	3,501	3,061	0	8,656
8/27/2014	2,156	3,816	3,325	0	9,297
8/28/2014	2,073	3,863	3,170	0	9,105
8/29/2014	2,012	3,749	3,200	0	8,961
8/30/2014	1,966	3,474	3,437	0	8,877
8/31/2014	2,142	3,640	3,464	0	9,245

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	Candlestick Flare (FL-100)	Candlestick Flare (FL-140)	Candlestick Flare (FL-120)	E. Aux. Candlestick Flare	
9/1/2014	1,954	3,154	3,383	0	8,491
9/2/2014	1,670	3,136	3,740	0	8,546
9/3/2014	1,739	3,479	3,630	34	8,882
9/4/2014	2,298	3,381	3,323	0	9,002
9/5/2014	2,320	3,467	3,321	0	9,108
9/6/2014	2,009	3,115	3,271	0	8,395
9/7/2014	2,102	3,212	3,256	0	8,569
9/8/2014	2,080	3,204	3,243	0	8,526
9/9/2014	2,037	3,526	2,960	0	8,523
9/10/2014	1,916	3,721	2,806	0	8,443
9/11/2014	1,799	3,450	2,651	0	7,900
9/12/2014	1,720	3,374	2,725	0	7,819
9/13/2014	1,782	3,477	2,740	0	7,999
9/14/2014	1,877	3,618	2,674	0	8,169
9/15/2014	1,928	3,595	2,654	0	8,176
9/16/2014	1,935	3,576	2,612	0	8,123
9/17/2014	1,927	3,503	2,704	0	8,134
9/18/2014	2,058	3,716	2,741	0	8,515
9/19/2014	2,111	3,769	2,801	0	8,681
9/20/2014	2,259	3,156	3,125	0	8,540
9/21/2014	2,119	2,785	3,156	0	8,060
9/22/2014	2,177	2,978	3,165	0	8,320
9/23/2014	2,210	3,008	3,257	0	8,476
9/24/2014	2,214	2,970	3,152	415	8,752
9/25/2014	2,215	2,981	3,049	721	8,966
9/26/2014	2,375	3,139	3,259	231	9,004
9/27/2014	2,357	3,151	3,341	0	8,850
9/28/2014	2,409	3,164	3,336	0	8,909
9/29/2014	2,244	3,025	3,105	467	8,841
9/30/2014	2,332	3,044	3,235	233	8,844

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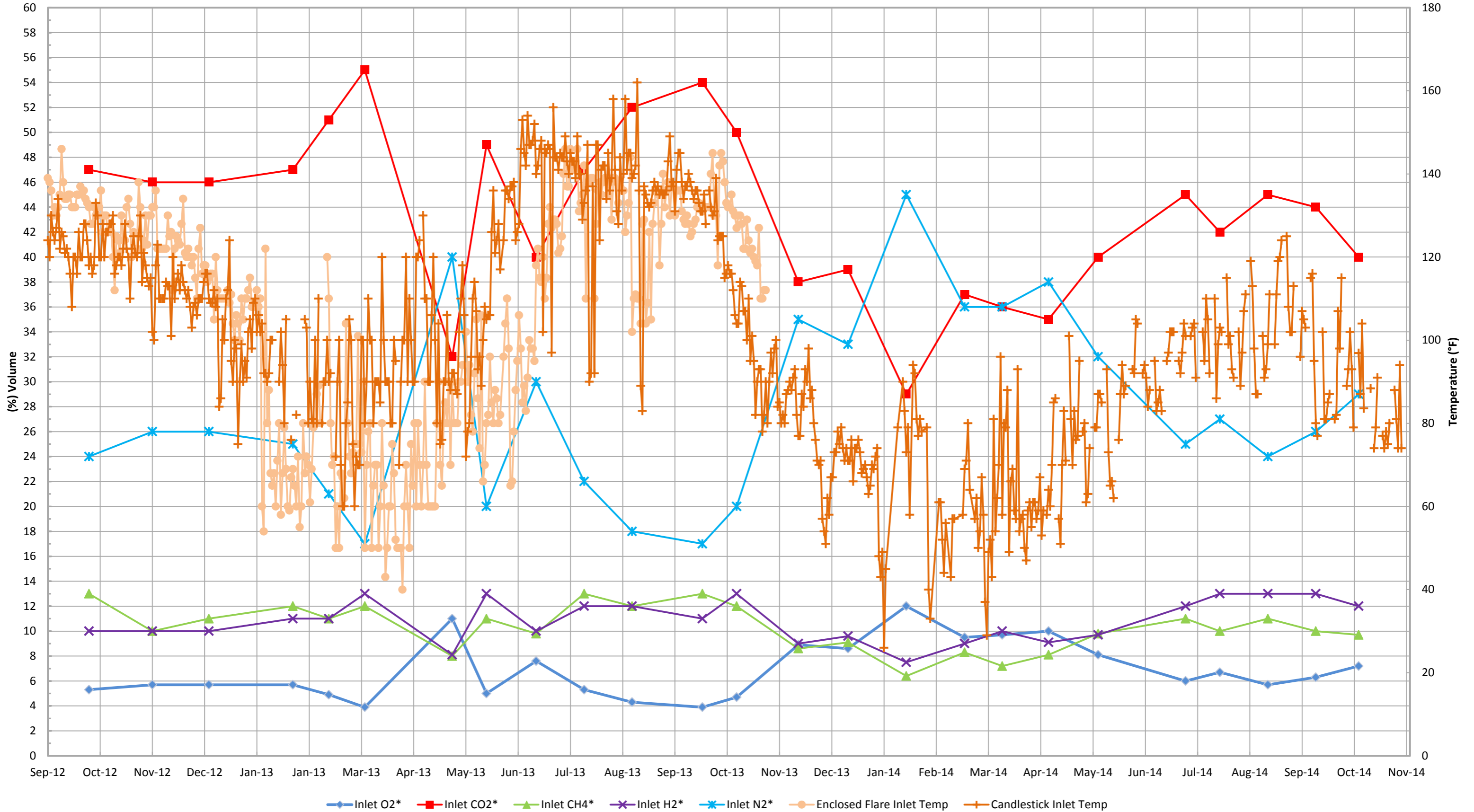
Date	Average Device Flow (scfm)				Total Avg. Flow (scfm)
	Candlestick Flare (FL-100)	Candlestick Flare (FL-140)	Candlestick Flare (FL-120)	E. Aux. Candlestick Flare	
10/1/2014	2,322	3,027	3,331	49	8,729
10/2/2014	2,167	2,859	3,262	0	8,288
10/3/2014	1,983	2,690	3,138	0	7,810
10/4/2014	1,932	2,691	3,078	0	7,701
10/5/2014	2,042	2,772	3,205	0	8,020
10/6/2014	2,148	2,829	3,171	0	8,148
10/7/2014	2,109	2,824	3,206	0	8,140
10/8/2014	2,189	2,869	3,126	0	8,184
10/9/2014	2,043	2,727	3,124	0	7,894
10/10/2014	1,953	2,625	3,093	0	7,671
10/11/2014	1,949	2,629	3,073	0	7,652
10/12/2014	2,020	2,647	3,062	0	7,729
10/13/2014	2,023	2,580	3,064	0	7,666
10/14/2014	1,922	2,545	3,063	0	7,530
10/15/2014	1,952	2,587	3,035	0	7,574
10/16/2014	2,087	2,732	3,102	0	7,921
10/17/2014	2,066	2,665	3,099	0	7,830
10/18/2014	1,961	2,585	3,065	0	7,612
10/19/2014	1,992	2,620	3,061	0	7,673
10/20/2014	1,989	2,696	3,183	28	7,896
10/21/2014	2,078	2,712	3,091	0	7,881
10/22/2014	2,063	2,670	3,109	0	7,842
10/23/2014	2,052	2,654	3,095	0	7,800
10/24/2014	2,153	2,760	3,139	0	8,052
10/25/2014	2,288	2,840	3,202	0	8,330
10/26/2014	2,192	2,783	3,218	0	8,193
10/27/2014	2,217	2,774	3,219	0	8,210
10/28/2014	2,058	2,622	3,108	0	7,788
10/29/2014	2,003	2,584	3,076	95	7,759
10/30/2014	1,980	2,552	3,037	307	7,877
10/31/2014	1,955	2,498	3,079	0	7,532

Inlet Lab Data

Date	CH4	CO2	O2	N2	H2	CO (%)	CO (ppm)
8/29/2012	14	46	5	24	9.6	0.18	1,800
9/25/2012	13	47	5.3	24	10	0.19	1,900
11/1/2012	10	46	5.7	26	10	0.20	2,000
12/4/2012	11	46	5.7	26	10	0.21	2100
1/22/2013	12	47	5.7	25	11	0.20	2000
2/12/2013	11	51	4.9	21	11	0.19	1900
3/5/2013	12	55	3.9	17	13	0.21	2100
4/25/2013	8	32	11	40	8.1	0.12	1200
5/15/2013	11	49	5	20	13	0.19	1900
6/13/2013	9.8	40	7.6	30	10	0.17	1700
7/11/2013	13	47	5.3	22	12	0.18	1800
8/8/2013	12	52	4.3	18	12	0.16	1600
9/18/2013	13	54	3.9	17	11	0.17	1700
10/8/2013	12	50	4.7	20	13	0.18	1800
11/13/2013	8.6	38	8.9	35	9	0.11	1100
12/12/2013	9.1	39	8.6	33	9.6	0.12	1200
1/15/2014	6.4	29	12	45	7.5	0.091	910
2/18/2014	8.3	37	9.5	36	9	0.10	1000
3/12/2014	7.2	36	9.7	36	10	0.11	1100
4/8/2014	8.1	35	10	38	9.1	0.09	900
5/7/2014	9.8	40	8.1	32	9.7	0.10	1000
6/27/2014	11	45	6	25	12	0.11	1100
7/17/2014	10	42	6.7	27	13	0.21	2100
8/14/2014	11	45	5.7	24	13	0.21	2100
9/11/2014	10	44	6.3	26	13	0.13	1300
10/6/2014	9.7	40	7.2	29	12	0.13	1300

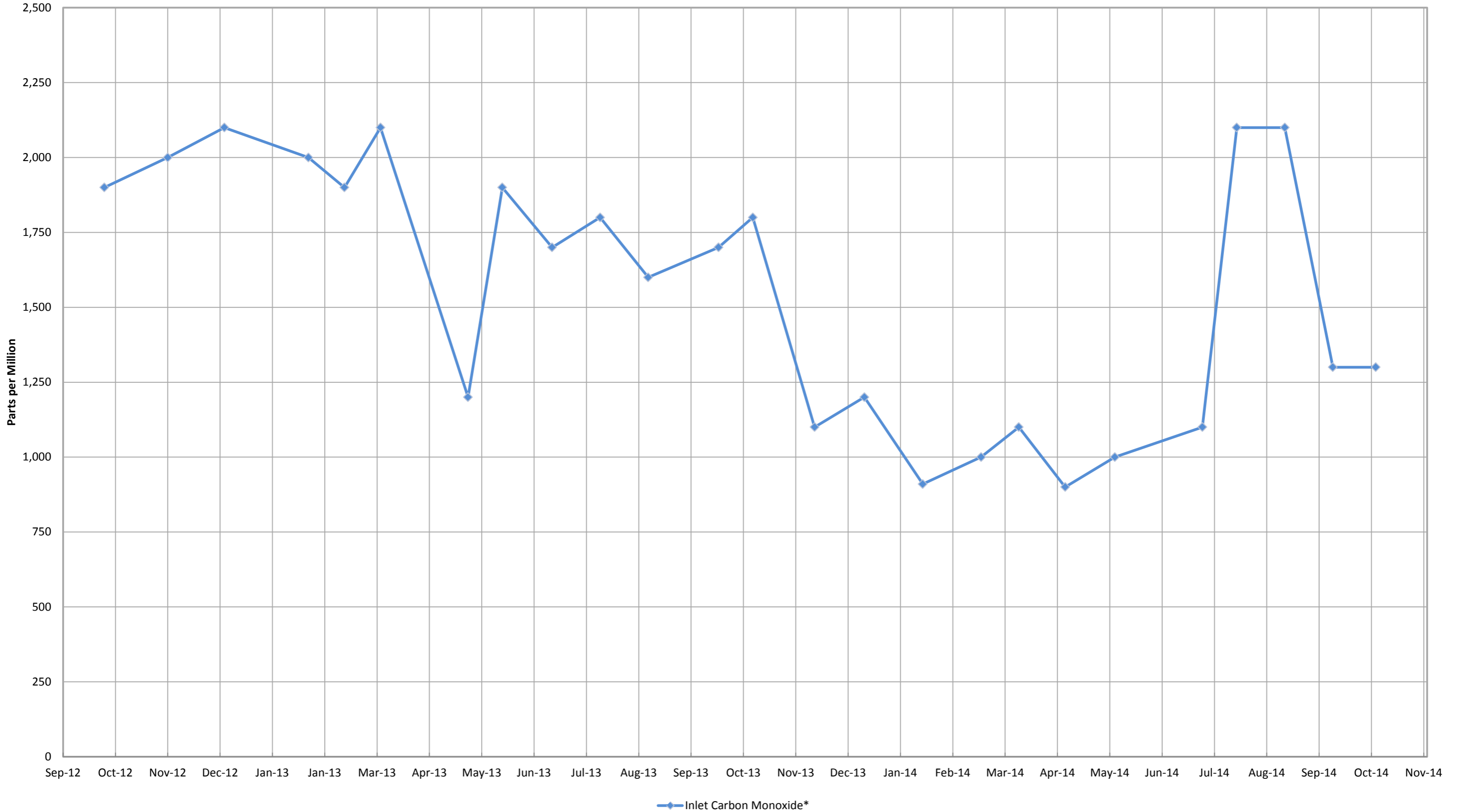
Date	Enclosed Flare										Candlestick Flare FL-100 (Flare Sta 2)										Flare Sta #3 FL-120		Flare Sta #1 FL-140		Total Utility Flare Flow		East Side Flare		Total Flow																																																																																																																																																																																																																																																																																																																																																																																																																					
	CH4	CO2	O2	Bal.	Press./Vac.	Gas Inlet Temp (°F)	Flow (scfm)	Flow Set Point	Enclosed Flare Temp	Callidus Flare Temp	Callidus Flow (scfm)	Total Flow (scfm)	CH4	CO2	O2	Bal.	Press./Vac.	Gas Inlet Temp (°F)	Flow (scfm)	Flare Temp	Flow (scfm)	Flare Temp.	Flow (scfm)	Flare Temp.	Flow (scfm)	Flare Temp.	Flow (scfm)	Flare Temp.		CH4	Flow (scfm)	scfm																																																																																																																																																																																																																																																																																																																																																																																																																		
	2.4	58.9	2.8	25.9	-3.2	140	3451	2809	1637	2636	1490	4941	12.7	58.7	2.5	26.1	50.1	146	2713	822	2713	0	7654	1.922	0	586	7821	1.918		0	529	7726	1.809	0	734	7519	2.592	0	596	8285	2.038	0	864	7835	1.589	0	1079	7982	1.457	0	1028	7730	2.110	0	1056	8363	1.653	0	963	7435	1.214	0	1119	7511	1.269	0	872	7394	2.105	0	745	7960	1.664	0	1041	6877	1.496	0	1147	7643	1.004	0	1409	7691	1.196	0	1184	7757	1.891	0	1177	8175	2.301	0	1380	7545	2.987	0	1293	8089	3.046	0	1443	7986	3.046	0	1382	8317	5.13	0	1397	7919	2.605	0	1334	7568	2.817	0	1326	7996	2.566	0	1386	7646	2.911	0	1432	8037	2.891	9.7	1271	7456	2.708	7.5	1514	7531	2.610	0	1620	6120	2.901	0	1563	6397	2.884	10.9	1501	7899	2.544	10.8	1535	7970	2.328	8.3	1364	7038	2.302	11.9	1580	7768	2.279	11.2	1504	7764	2.004	9.1	1570	7534	2.041	7.2	1398	7426	2.195	8.9	1516	7632	2.701	12.4	1265	7601	3.325	11.6	1308	6818	2.027	12.3	1204	7185	1.383	9.38	5123	1.416	15.1	1023	9730	1.066	13.8	1003	9310	1.142	16.7	870	5129	1.627	18.7	900	8774	1.543	17.3	833	8965	1.512	14.8	1007	9467	1.597	13.2	1102	9311	1.609	16.3	1047	9588	1.551	20.6	805	9586	1.612	15.2	863	9631	1.177	17.6	759	8823	1.949	15	846	8930	1.241	12.2	894	9471	801	17.4	939	8705	1.052	18.1	935	9013	1.210	10	962	9344	1.546	12.5	946	9488	1.218	8.49	1014	9092	1.148	0	975	9059	1.138	0	946	9093	1.266	0	928	10186	1.286	0	1103	10379	1.381	0	990	10055	1.158	0	1074	10174	1.348	0	1043	10339	1.288	0	1122	10354	1.201	0	1080	10105	1.022	0	1061	9747	1.101	0	1174	9310	1.177	0	976	9867	1.141	0	845	9588	1.190	0	903	9902	1.318	0	902	10194	1.111	0	1055	10156	1.346	0	1043	10160	1.649	0	957	9517	1.372	0	888	9937	1.268	0	977	9647	1.272	0	1083	9597	1.335	0	1286	10244	1.302	0	1080	9738	1.253	0	1077	9719	1.230	0	1089	9300	1.277	0	989	10041	1.288	0	1122	10354	1.201	0	1080	10105	1.071	0	947	9340	1.093	0	1062	9099	1.001	0	1252	10258	1.094	0	1171	10164	0.975	0	1205	9852	0.767	0	1150	9648	0.615	0	1211	9570	0.572	0	1130	9591	0.700	0	1055	9295	0.737	0	1092	9528	0.772	0	1065	9352	0.752	0	10984	9747	0.855	0	1060	9243	0.841	0	1088	9332	0.749	0	1110
6/4/2013	12.4	58.9	2.8	25.9	-3.2	140	3451	2809	1637	2636	1490	4941	12.7	58.7	2.5	26.1	50.1	146	2713	822	2713	0	7654	1.922	0	586	7821	1.918	0	529	7726	1.809	0	734	7519	2.592	0	596	8285	2.038	0	864	7835	1.589	0	1079	7982	1.457	0	1028	7730	2.110	0	1056	8363	1.653	0	963	7435	1.214	0	1119	7511	1.269	0	872	7394	2.105	0	745	7960	1.664	0	1041	6877	1.496	0	1147	7643	1.004	0	1409	7691	1.196	0	1184	7757	1.891	0	1177	8175	2.301	0	1380	7545	2.987	0	1293	8089	3.046	0	1443	7986	3.046	0	1382	8317	5.13	0	1397	7919	2.605	0	1334	7568	2.817	0	1326	7996	2.566	0	1386	7646	2.911	0	1432	8037	2.891	9.7	1271	7456	2.708	7.5	1514	7531	2.610	0	1620	6120	2.901	0	1563	6397	2.884	10.9	1501	7899	2.544	10.8	1535	7970	2.328	8.3	1364	7038	2.302	11.9	1580	7768	2.279	11.2	1504	7764	2.004	9.1	1570	7534	2.041	7.2	1398	7426	2.195	8.9	1516	7632	2.701	12.4	1265	7601	3.325	11.6	1308	6818	2.027	12.3	1204	7185	1.383	9.38	5123	1.416	15.1	1023	9730	1.066	13.8	1003	9310	1.142	16.7	870	5129	1.627	18.7	900	8774	1.543	17.3	833	8965	1.512	14.8	1007	9467	1.597	13.2	1102	9311	1.609	16.3	1047	9588	1.551	20.6	805	9586	1.612	15.2	863	9631	1.177	17.6	759	8823	1.949	15	846	8930	1.241	12.2	894	9471	801	17.4	939	8705	1.052	18.1	935	9013	1.210	10	962	9344	1.546	12.5	946	9488	1.218	8.49	1014	9092	1.148	0	975	9059	1.138	0	946	9093	1.266	0	928	10186	1.286	0	1103	10379	1.381	0	990	10055	1.158	0	1074	10174	1.348	0	1043	10339	1.288	0	1122	10354	1.201	0	1080	10105	1.022	0	1061	9747	1.101	0	1174	9310	1.177	0	976	9867	1.141	0	845	9588	1.190	0	903	9902	1.318	0	902	10194	1.111	0	1055	10156	1.346	0	1043	10160	1.649	0	957	9517	1.372	0	888	9937	1.268	0	977	9647	1.272	0	1083	9597	1.335	0	1286	10244	1.302	0	1080	9738	1.253	0	1077	9719	1.230	0	1089	9300	1.277	0	989	10041	1.288	0	1122	10354	1.201	0	1080	10105	1.071	0	947	9340	1.093	0	1062	9099	1.001	0	1252	10258	1.094	0	1171	10164	0.975	0	1205	9852	0.767	0	1150	9648	0.615	0	1211	9570	0.572	0	1130	9591	0.700	0	1055	9295	0.737	0	1092	9528	0.772	0	1065	9352	0.752	0	10984	9747	0.855	0	1060	9243	0.841	0	1088	9332	0.749	0	1110	9676

Inlet Gas and Temperature*



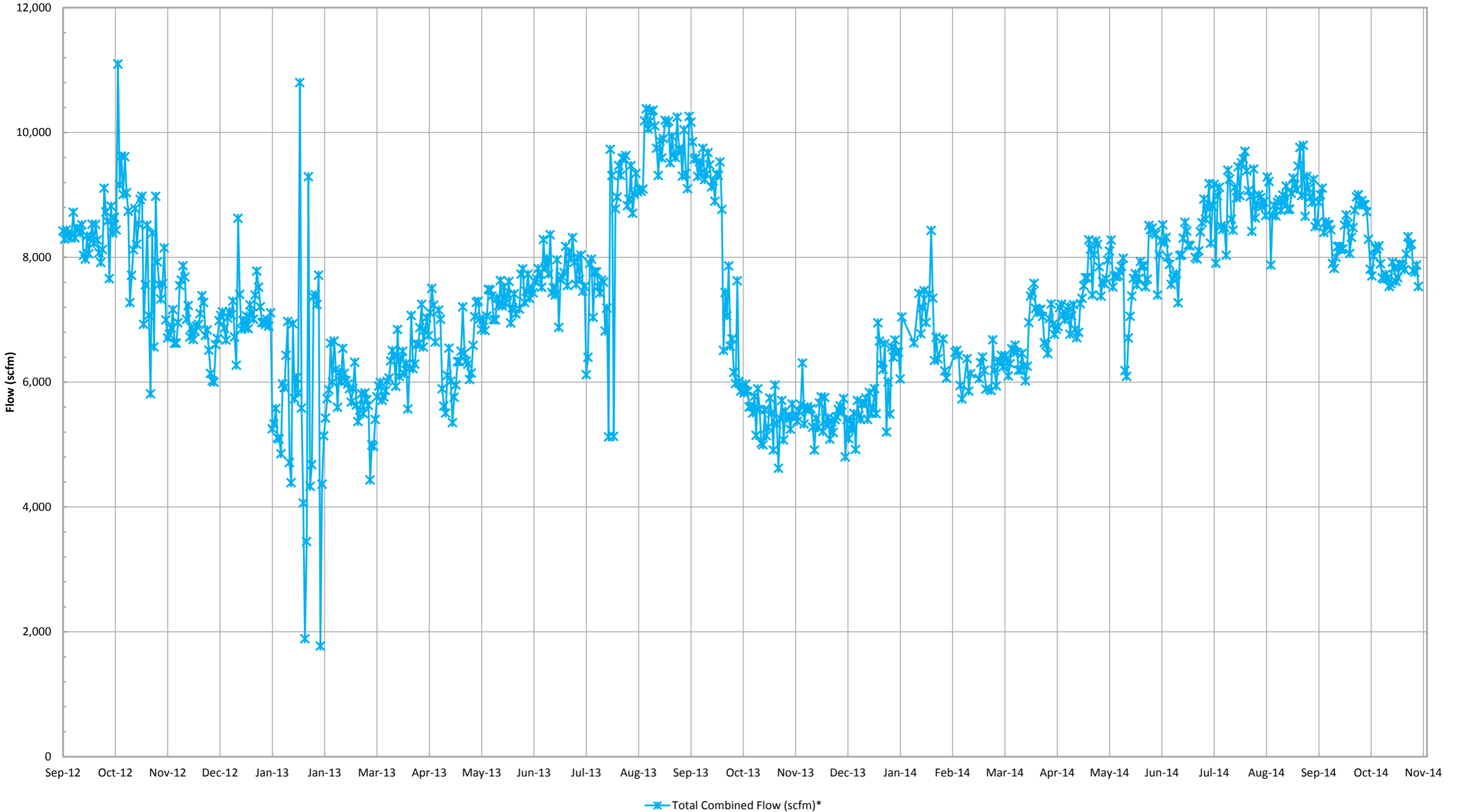
*Gas data collected from Laboratory Reports. Temperature data collected from GEM 2000 field readings.

Inlet Carbon Monoxide*



*Data collected from Laboratory Reports.

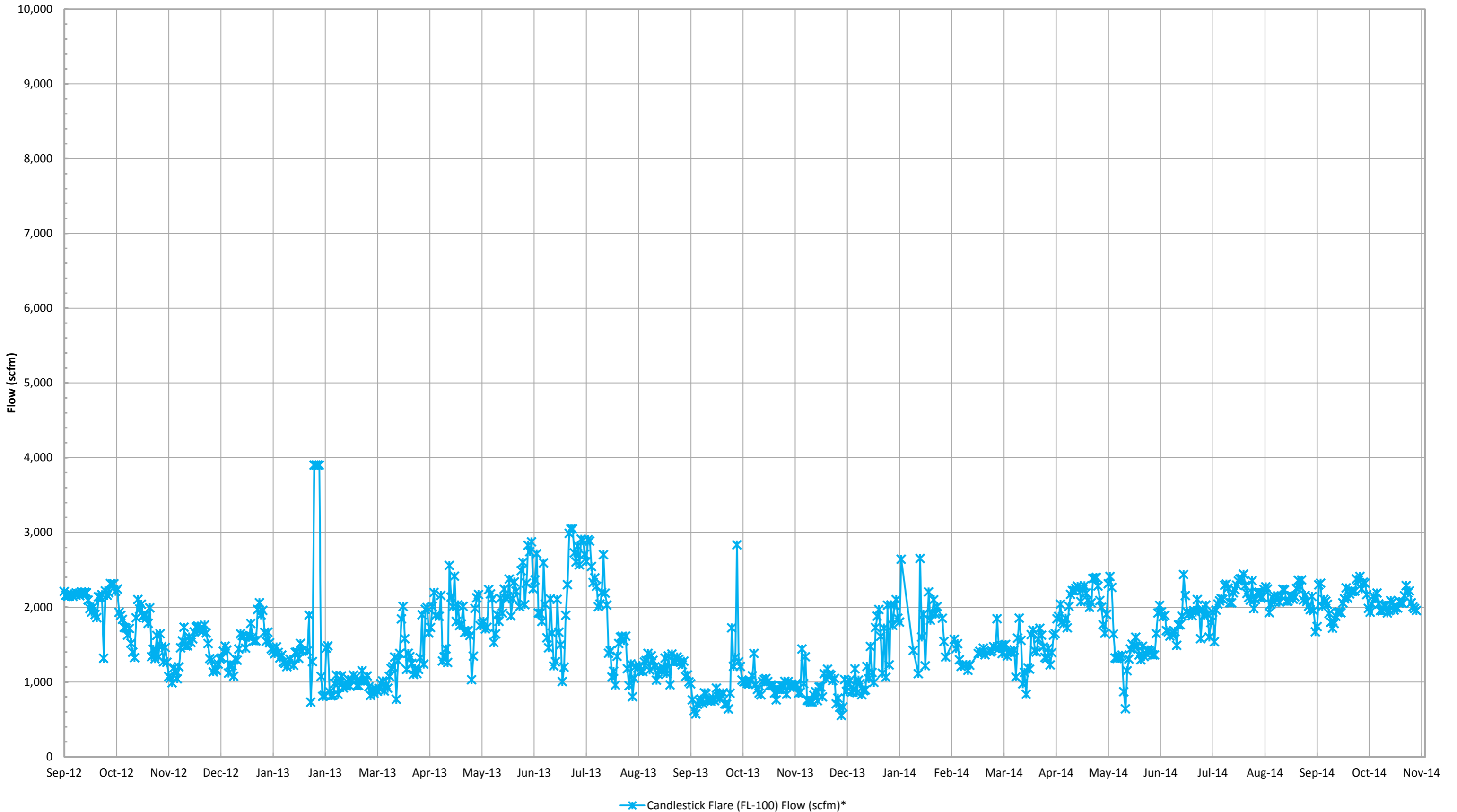
Total Combined Flow (scfm)*



—x— Total Combined Flow (scfm)*

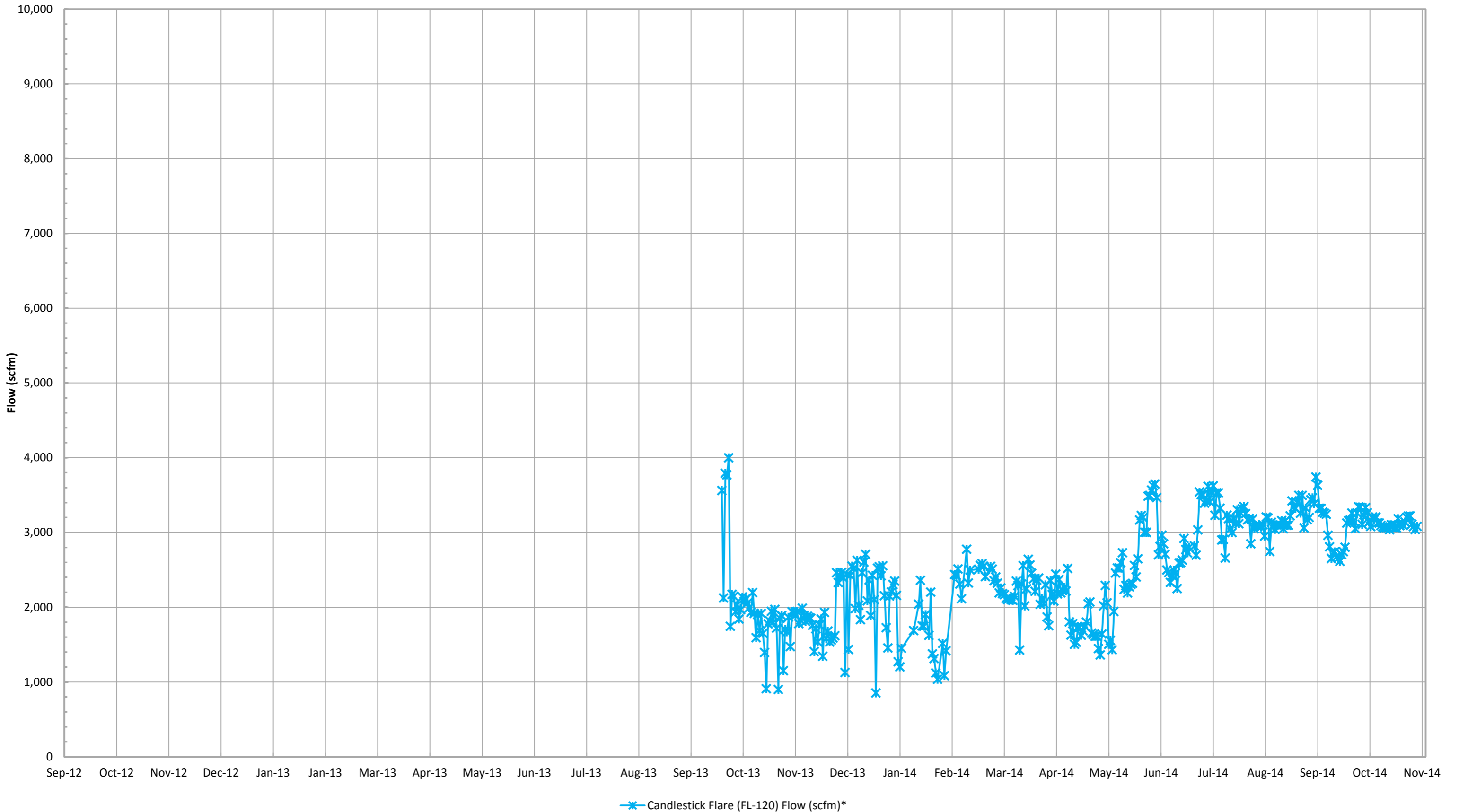
*Combined flow is based on tabulated flow data collected daily from each device.

Candlestick Flare (FL-100) Flow (scfm)*



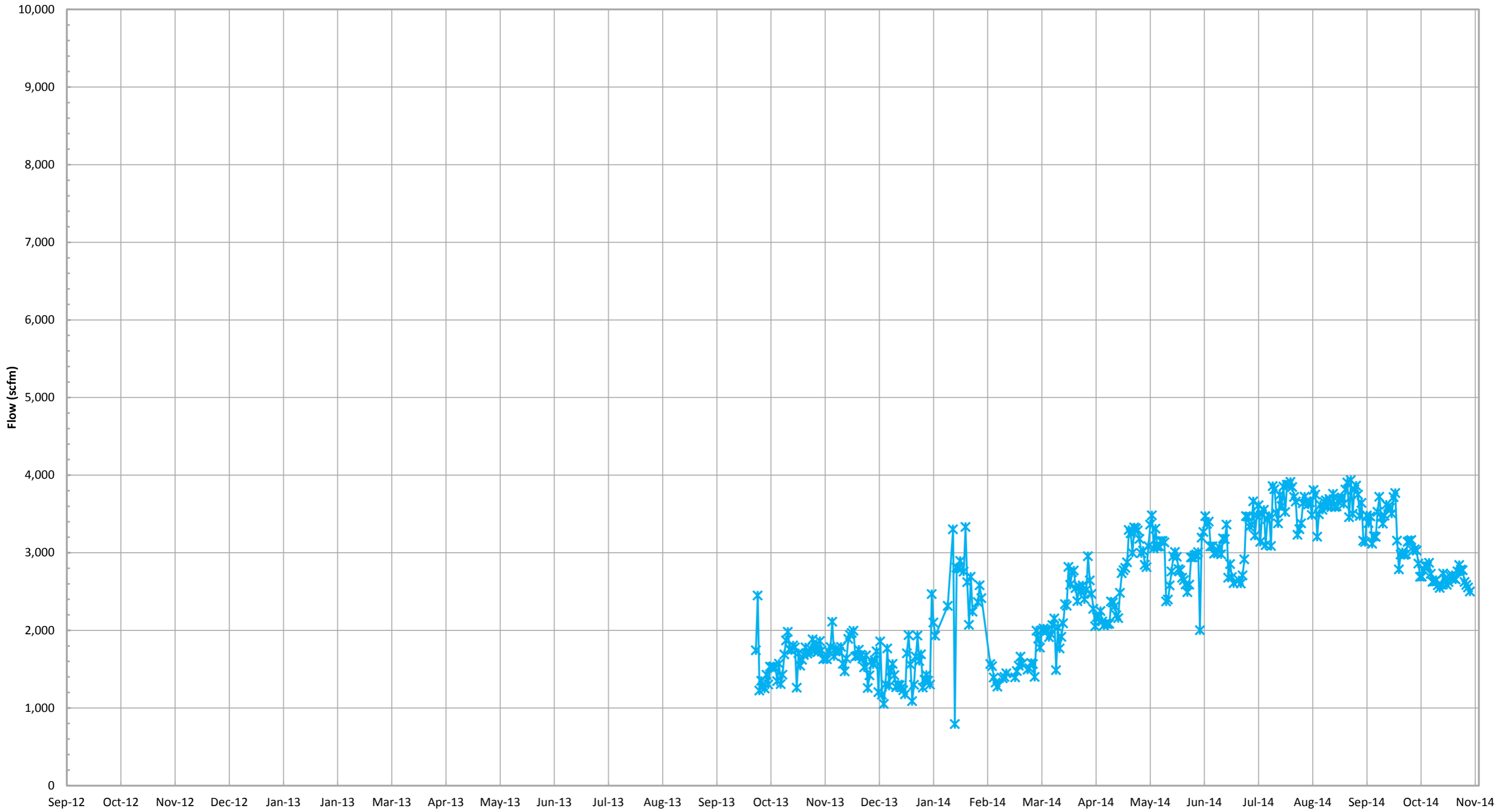
*Flow is based on tabulated flow data collected daily.

Candlestick Flare (FL-120) Flow (scfm)*



*Flow is based on tabulated flow data collected daily.

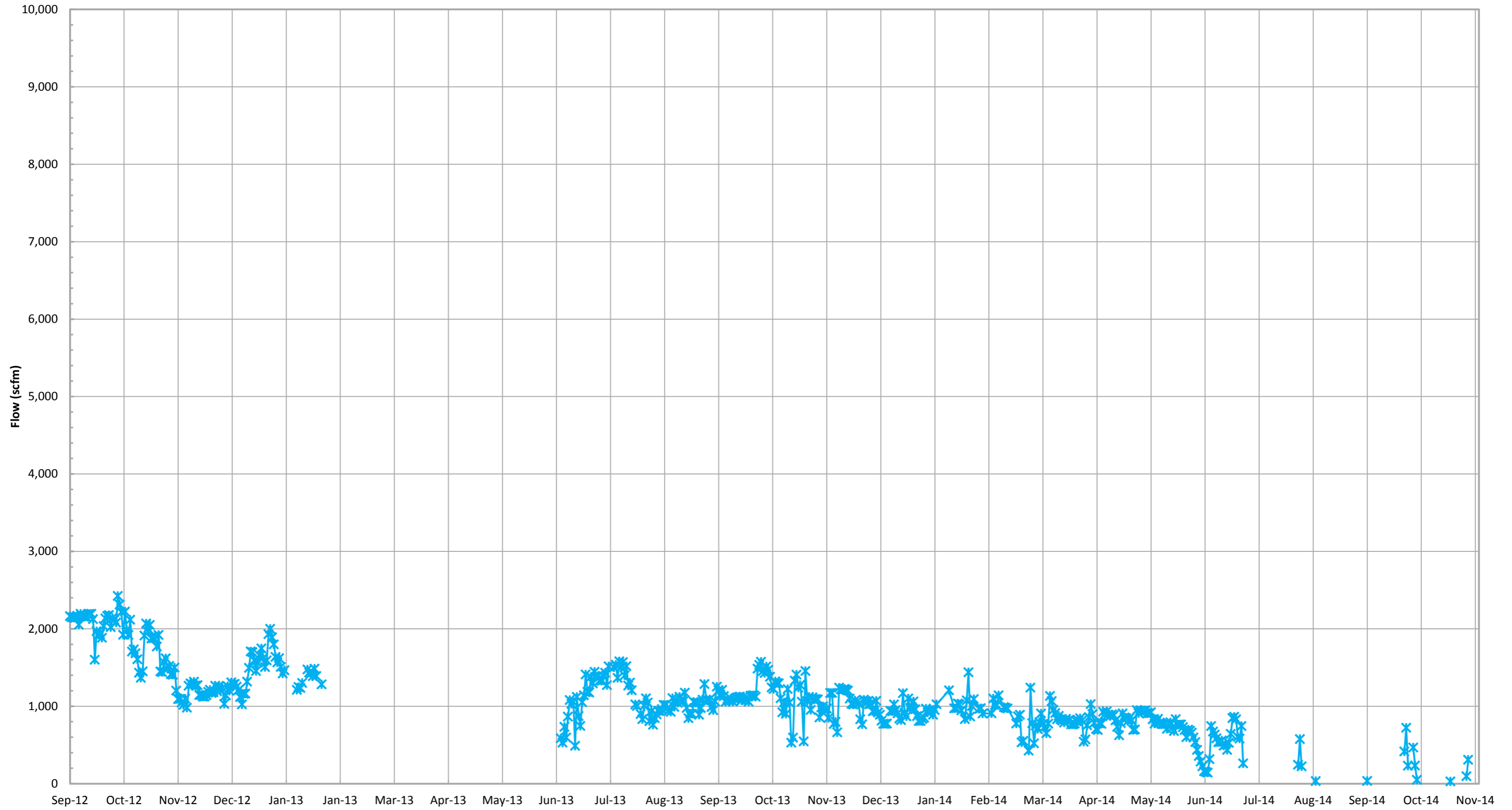
Candlestick Flare (FL-140) Flow (scfm)*



—x— Candlestick Flare (FL-140) Flow (scfm)*

*Flow is based on tabulated flow data collected daily.

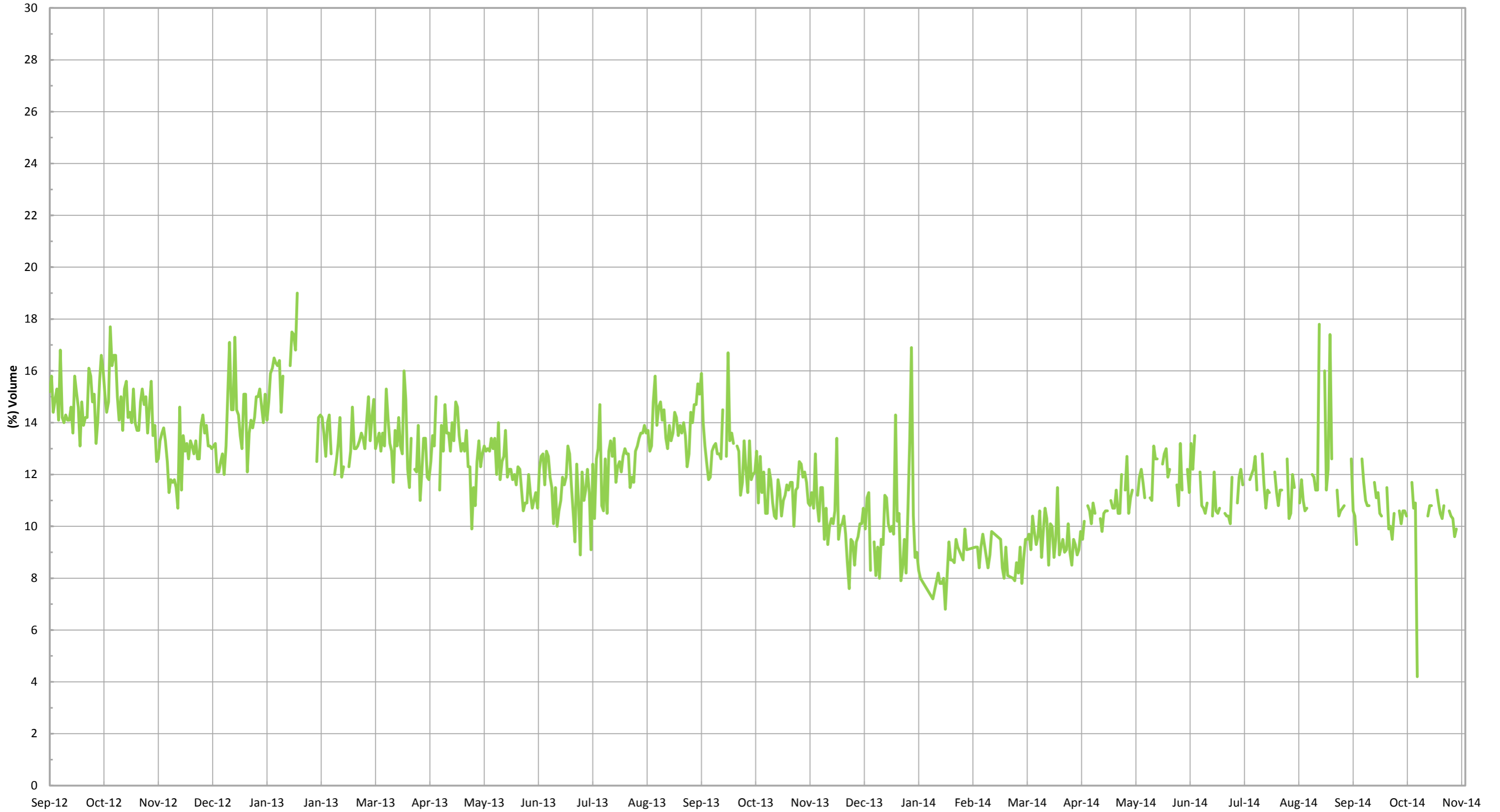
East Auxillary Candlestick Flare Flow (scfm)*



—x— East Auxillary Candlestick Flare Flow (scfm)*

*Flow is based on tabulated flow data collected daily.

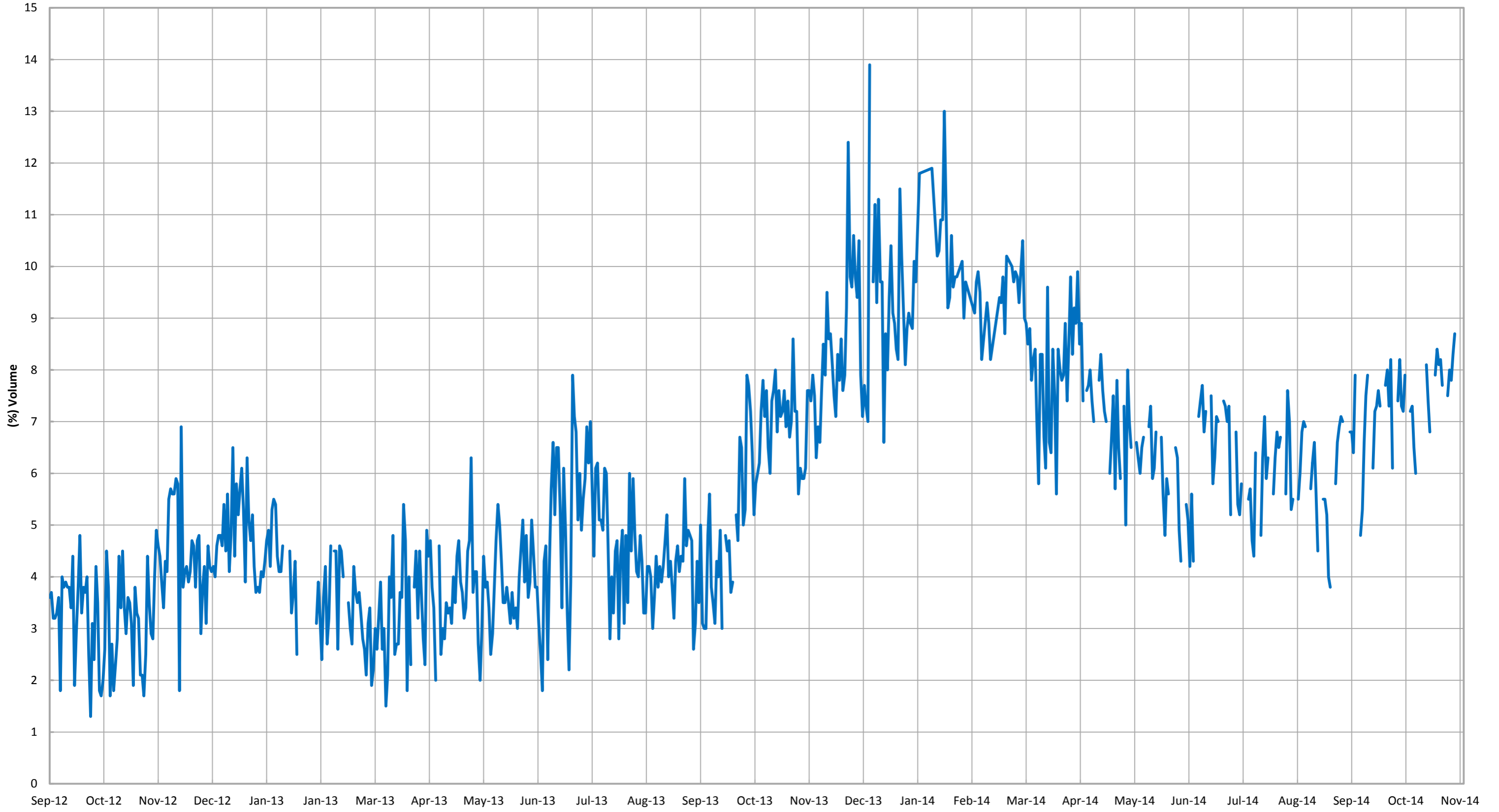
Combined Inlet Methane (GEM 2000)*



— Combined Inlet Methane (GEM 2000)*

*Gas data collected from GEM 2000 field monitoring instrument.

Combined Inlet Oxygen (GEM 2000)*



— Combined Inlet Oxygen (GEM 2000)*

*Gas data collected from GEM 2000 field monitoring instrument.