

Location	Parameter	Intercept		Slope		Coefficient of Determination (R <sup>2</sup> )
		Estimate (units)	p-value	Estimate (units/year)	p-value	
AA94MSI000008	BOD	45.13355	0.000101	-0.00232	0.004955	0.046587
AA94MSI000009	BOD	27.41046	9.73E-08	-0.00138	0.000142	0.080012
BA05MSI000SL01	BOD	-16.6064	0.148957	0.001413	0.088983	0.04745
BA05MSI000SL02	BOD	1	7.05E-226	3.47E-19	0.055012	0.483696
BA05MSI000SL03	BOD	3.641591	0.696066	-0.00015	0.822504	0.00324
BA05MSI000SL04	BOD	1	7.07E-226	3.47E-19	0.054884	0.483758
BA05MSI000SL05	BOD	97.32824	0.159847	-0.00667	0.176555	0.111067
BA05MSI000SL06	BOD	-0.62689	0.661036	0.00012	0.247292	0.088108
BA05MSI000SL07	BOD	1	5.10E-131	-1.61E-19	0.114938	0.584246
BA05MSI000SL08	BOD	1	1.63E-216	-1.77E-19	0.053	0.526552
BA05MSI000SL09	BOD	-43.8711	0.174549	0.003617	0.119609	0.050757
BA05MSI000SL10	BOD	1	1.63E-216	-1.77E-19	0.053	0.526552
BA98MSI000SB2	BOD	21.92612	0.269764	-0.00158	0.377875	0.027875
BA98MSI000SB3	BOD	47.91871	0.409077	-0.00358	0.493632	0.022592
BC16MS000I81	BOD	-12.4399	0.03874	0.001528	0.00076	0.058972
BC16MS000I82	BOD	66.05653	0.561681	-0.00329	0.69815	0.000721
CC15MSI000001	BOD	-21.6774	0.195605	0.001885	0.09433	0.052892
CC15MSI000002	BOD	19.62425	0.352043	-0.00066	0.638215	0.004283
CH99MSI000096	BOD	-99.9261	0.686796	0.009471	0.635575	0.004716
CH99MSI000162	BOD	7.941274	0.698606	-0.00032	0.844865	0.000806
CR15MSI000003	BOD	-0.15353	0.970208	0.000376	0.185651	0.011886
CR15MSI000004	BOD	1.346893	0.65768	0.000148	0.482812	0.003246
FR02MSI000059	BOD	5.617389	0.00218	-0.00015	0.244441	0.007778
FR99MSI000058	BOD	1.330165	0.196685	5.44E-05	0.461713	0.001438
HA10MSI0WC002	BOD	-13.6818	0.49066	0.00114	0.362395	0.006861
HA10MSI0WC003	BOD	-11.4184	0.094472	0.000904	0.03623	0.035745
HA10MSI0WC004	BOD	-3.52889	0.544874	0.000385	0.293444	0.009677
HA99MSI000001	BOD	3.529242	0.559203	-3.87E-05	0.935172	3.47E-05
HA99MSI000002	BOD	6.844892	0.029061	-0.00033	0.184571	0.009198
HO07MSI000035	BOD	-9.94601	0.299775	0.001043	0.095302	0.028715
HO07MSI0000CL	BOD	-8.57401	0.59645	0.000735	0.525161	0.025697
HO09MSI000036	BOD	31.01992	0.025411	-0.00162	0.064476	0.06189
MO02MSI000104	BOD	-88.7916	0.041784	0.00677	0.033342	0.074478
MO02MSI000310	BOD	-12.0711	0.472698	0.001075	0.380462	0.012633
MO09MSI000001	BOD	14.27421	0.330871	-0.00053	0.575872	0.005335
MO09MSI000002	BOD	2.302622	0.685661	2.70E-05	0.94104	4.26E-05
PG15MSI000012	BOD	53.21911	0.128524	-0.00287	0.204533	0.013054
PG15MSI000013	BOD	54.52488	0.136606	-0.00292	0.219607	0.012428
SHA06MSI00LD01	BOD	50.50288	0.762536	-0.00315	0.794784	0.003857
SHA06MSI00LD02	BOD	83.18816	0.55966	-0.00562	0.586726	0.016736
SHA98MSI00PS01	BOD	-36.3875	0.462384	0.004422	0.325034	0.040367
SHA98MSI00PS02	BOD	10.72278	0.670704	-0.00041	0.857401	0.001132
SHA99MSI00DV01	BOD	136.429	0.071821	-0.01012	0.118025	0.079468
SHA99MSI00DV02	BOD	-4.44841	0.790858	0.000828	0.566686	0.007034
MO09MSI000001	ECOC	-198319	0.143554	13.2181	0.125288	0.062343
MO09MSI000002	ECOC	-17854.5	0.175196	1.207649	0.150079	0.019815

Location	Parameter	Intercept		Slope		Coefficient of Determination (R <sup>2</sup> )
		Estimate (units)	p-value	Estimate (units/year)	p-value	
AA94MSI000008	ECOLI	145213.8	0.039665	-9.19561	0.069017	0.020389
AA94MSI000009	ECOLI	417592.8	0.000557	-27.3511	0.001214	0.070356
BA05MSI000SL01	ECOLI	4673.577	0.895581	-0.06081	0.981036	6.64E-05
BC16MS000I81	ECOLI	492225.1	0.005093	-29.5559	0.008479	0.065989
BC16MS000I82	ECOLI	407355.5	0.002396	-24.2446	0.004695	0.070395
CC15MSI000001	ECOLI	-107914	0.184845	6.904645	0.163935	0.117412
CC15MSI000002	ECOLI	-71810.5	0.263871	4.702998	0.230018	0.088698
CR15MSI000003	ECOLI	-13758.8	0.402675	1.044037	0.321864	0.010441
CR15MSI000004	ECOLI	-25481.7	0.214462	1.935185	0.144131	0.021642
FR02MSI000059	ECOLI	29332.85	0.011853	-1.75252	0.014363	0.276456
FR99MSI000058	ECOLI	5662.626	0.080925	-0.32585	0.102411	0.047764
HA10MSI0WC002	ECOLI	1708.656	0.407749	-0.06929	0.593189	0.002808
HA10MSI0WC003	ECOLI	-117.414	0.954167	0.046526	0.717394	0.00129
HA10MSI0WC004	ECOLI	548.5522	0.815835	0.01618	0.912646	0.000126
HA99MSI000001	ECOLI	-1935.94	0.45547	0.181104	0.331634	0.014073
HA99MSI000002	ECOLI	-2928.81	0.26279	0.258062	0.170446	0.027859
PG15MSI000012	ECOLI	-49970.8	0.294079	3.4605	0.253395	0.015141
PG15MSI000013	ECOLI	37215.9	0.126221	-2.23451	0.149073	0.024916
AA94MSI000008	HARD	-441.648	0.439977	0.033404	0.346331	0.016439
AA94MSI000009	HARD	-48.8737	0.876621	0.007869	0.686704	0.003036
BA05MSI000SL01	HARD	351.1282	0.168355	-0.0165	0.362525	0.015377
BA05MSI000SL02	HARD	103.0386	0.828938	0.003481	0.918526	0.000674
BA05MSI000SL03	HARD	295.5909	0.535427	-0.01058	0.754875	0.006266
BA05MSI000SL04	HARD	525.1603	0.286002	-0.02738	0.432054	0.039019
BA05MSI000SL05	HARD	145.1416	0.706408	0.000377	0.989035	1.22E-05
BA05MSI000SL06	HARD	118.1182	0.768505	0.000244	0.993187	5.03E-06
BA05MSI000SL07	HARD	-29.2029	0.924579	0.009999	0.652432	0.023539
BA05MSI000SL08	HARD	-137.355	0.672913	0.018144	0.437393	0.040712
BA05MSI000SL09	HARD	203.5025	0.487485	-0.00728	0.726308	0.002948
BA05MSI000SL10	HARD	-300.365	0.290845	0.030461	0.140161	0.139231
BC16MS000I81	HARD	743.4888	0.137518	-0.03828	0.203864	0.037271
BC16MS000I82	HARD	1103.388	0.02097	-0.05974	0.037213	0.094953
CC15MSI000001	HARD	307.6532	0.033711	-0.01631	0.059781	0.204155
CC15MSI000002	HARD	-297.69	0.042371	0.020166	0.025716	0.274235
CR15MSI000003	HARD	12762.8	0.004117	-0.74487	0.004829	0.320914
CR15MSI000004	HARD	3658.985	0.013748	-0.20744	0.018406	0.237268
FR02MSI000059	HARD	-247.537	0.113012	0.017855	0.064365	0.085014
FR99MSI000058	HARD	-19.7182	0.307286	0.0093	8.13E-11	0.31063
HA10MSI0WC002	HARD	914.9179	0.211728	-0.04793	0.274304	0.036098
HA10MSI0WC003	HARD	1367.429	0.080534	-0.07373	0.115051	0.071437
HA10MSI0WC004	HARD	2637.22	0.059442	-0.14821	0.076782	0.089229
MO02MSI000104	HARD	-1650.71	0.106282	0.1295	0.082569	0.048588
MO02MSI000310	HARD	-159.822	0.115409	0.015776	0.03444	0.07014
MO09MSI000001	HARD	107.947	0.413929	-0.004	0.636914	0.003801
MO09MSI000002	HARD	-345.856	0.000697	0.028217	2.09E-05	0.13141
PG15MSI000012	HARD	-83.7871	0.526078	0.010368	0.205015	0.030706

Location	Parameter	Intercept		Slope		Coefficient of Determination (R <sup>2</sup> )
		Estimate (units)	p-value	Estimate (units/year)	p-value	
PG15MSI000013	HARD	300.3605	0.082417	-0.01338	0.205891	0.033822
AA94MSI000008	NO23	-0.98424	0.247532	0.000156	0.011625	0.040373
AA94MSI000009	NO23	0.455492	0.097522	1.37E-05	0.486492	0.00307
BA05MSI000SL01	NO23	1.405295	0.561931	-4.82E-05	0.781612	0.001291
BA05MSI000SL02	NO23	-2.33809	0.736426	0.000241	0.627252	0.01509
BA05MSI000SL03	NO23	5.683918	0.407458	-0.00032	0.507185	0.027963
BA05MSI000SL04	NO23	2.208079	0.215998	-9.60E-05	0.444375	0.037014
BA05MSI000SL05	NO23	1.656438	0.628177	5.94E-05	0.807397	0.003825
BA05MSI000SL06	NO23	0.275515	0.912648	4.89E-05	0.784896	0.005122
BA05MSI000SL07	NO23	2.581045	0.013226	-0.00012	0.070604	0.31833
BA05MSI000SL08	NO23	12.56788	0.062838	-0.00081	0.090924	0.178703
BA05MSI000SL09	NO23	8.976707	0.048091	-0.00053	0.101362	0.054933
BA05MSI000SL10	NO23	4.769859	0.484048	-0.00024	0.62193	0.01662
BA98MSI000LQ3	NO23	-4.89976	0.493744	0.000538	0.418553	0.066455
BA98MSI000SB2	NO23	5.731056	0.075112	-0.00039	0.173053	0.060972
BA98MSI000SB3	NO23	3.923405	0.241219	-0.00028	0.355036	0.038991
BC16MS000I81	NO23	1.855004	0.000749	3.75E-06	0.924301	3.52E-05
BC16MS000I82	NO23	1.026827	0.00102	1.66E-05	0.460739	0.001924
CC15MSI000001	NO23	1.90503	0.004301	-0.0001	0.020084	0.099612
CC15MSI000002	NO23	2.296921	0.004966	-0.00011	0.034457	0.08316
CH99MSI000096	NO23	-3.41073	0.062761	0.000384	0.013307	0.073293
CH99MSI000162	NO23	-0.06672	0.978152	7.35E-05	0.717131	0.001809
CR15MSI000003	NO23	1.828971	0.000804	-8.81E-05	0.018159	0.036882
CR15MSI000004	NO23	4.272359	0.008081	3.11E-05	0.778587	0.000508
FR02MSI000059	NO23	1.891312	1.68E-07	-0.0001	3.84E-05	0.093064
FR99MSI000058	NO23	4.231063	7.09E-22	-0.00013	1.41E-05	0.048733
HA10MSI0WC002	NO23	0.264228	0.921762	9.41E-05	0.5788	0.002533
HA10MSI0WC003	NO23	0.331109	0.802807	6.54E-05	0.434534	0.004973
HA10MSI0WC004	NO23	-1.27315	0.732749	0.00022	0.348178	0.007657
HA99MSI000001	NO23	0.985238	0.021221	2.30E-05	0.493225	0.002474
HA99MSI000002	NO23	-0.43812	0.801492	0.000119	0.387813	0.003928
HO07MSI000035	NO23	3.059986	0.000136	-0.00013	0.010546	0.066189
HO07MSI0000CL	NO23	9.340345	0.370403	-0.00043	0.556575	0.022042
HO09MSI000036	NO23	3.857289	0.010287	-0.00018	0.054026	0.067023
HO10MSI000037	NO23	23.23122	0.62985	-0.00128	0.6548	0.023201
HO10MSI000038	NO23	34.65676	0.389706	-0.00197	0.408687	0.077012
MO02MSI000104	NO23	-0.51271	0.961069	0.00017	0.823924	0.000832
MO02MSI000310	NO23	7.552562	0.001688	-0.00047	0.006284	0.116095
MO09MSI000001	NO23	0.973732	0.433448	-3.73E-05	0.631914	0.00565
MO09MSI000002	NO23	12.98639	0.000112	-0.00072	0.000564	0.119427
PG15MSI000012	NO23	-0.05312	0.920857	4.10E-05	0.237212	0.011159
PG15MSI000013	NO23	-0.20353	0.771883	5.05E-05	0.26952	0.009984
SHA02MSI00MR01	NO23	6.662547	0.469888	-0.00052	0.498519	0.016517
SHA06MSI00LD01	NO23	-4.26263	0.795831	0.000399	0.738479	0.006347
SHA06MSI00LD02	NO23	5.591937	0.433657	-0.00032	0.530042	0.02227
SHA08MSI00WI01	NO23	0.051359	0.730449	-1.36E-06	0.890148	0.000393

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		Estimate (units)	p-value	Estimate (units/year)	p-value	
SHA08MSI00WIO2	NO23	0.225512	0.640675	-1.19E-05	0.709007	0.000925
SHA08MSI00WIO3	NO23	0.018806	0.847229	-8.58E-07	0.894464	0.000117
SHA98MSI00PS01	NO23	3.16591	0.688301	-0.00014	0.84209	0.001687
SHA98MSI00PS02	NO23	-14.61	0.299975	0.001647	0.196338	0.05688
SHA99MSI00DV01	NO23	9.22591	0.001148	-0.00069	0.004078	0.24382
SHA99MSI00DV02	NO23	5.848255	0.070598	-0.00037	0.178484	0.038178
AA94MSI000008	PH	5.443658	9.06E-07	0.000127	0.094101	0.01833
AA94MSI000009	PH	7.223902	5.24E-34	-1.86E-05	0.583588	0.00175
BA05MSI000SL01	PH	5.054237	0.052304	0.000164	0.378971	0.018477
BA05MSI000SL02	PH	7.430623	0.049594	-1.29E-05	0.959426	0.000167
BA05MSI000SL03	PH	0.520501	0.891361	0.00051	0.075151	0.184611
BA05MSI000SL04	PH	6.283444	0.100067	7.19E-05	0.783178	0.004871
BA05MSI000SL05	PH	2.721489	0.519577	0.000337	0.270584	0.075268
BA05MSI000SL06	PH	1.832568	0.617953	0.000381	0.158396	0.128091
BA05MSI000SL07	PH	4.245835	0.329076	0.000198	0.51815	0.047848
BA05MSI000SL08	PH	1.665202	0.648939	0.000405	0.133615	0.143594
BA05MSI000SL09	PH	1.735263	0.492009	0.000389	0.040506	0.136873
BA05MSI000SL10	PH	1.85036	0.600971	0.000392	0.13275	0.144187
BC16MS000I81	PH	6.451688	1.54E-65	8.69E-05	1.05E-06	0.12768
BC16MS000I82	PH	7.100547	5.42E-74	4.54E-05	0.005936	0.042932
CC15MSI000001	PH	0.99522	0.713752	0.000352	0.057484	0.071694
CC15MSI000002	PH	4.543773	0.000476	0.000135	0.102462	0.054591
CH99MSI000096	PH	5.798556	0.000501	5.78E-05	0.667403	0.002291
CH99MSI000162	PH	5.313509	0.012089	9.31E-05	0.589913	0.003999
CR15MSI000003	PH	9.624053	1.13E-37	-0.00011	0.003719	0.05937
CR15MSI000004	PH	6.657278	1.07E-35	4.54E-05	0.096818	0.019433
FR02MSI000059	PH	5.924175	4.08E-26	0.000107	0.001284	0.058321
FR99MSI000058	PH	5.391868	5.23E-41	0.000149	5.83E-09	0.09117
HA10MSI0WC002	PH	6.169838	1.50E-06	6.73E-05	0.34462	0.018627
HA10MSI0WC003	PH	6.108488	3.65E-08	6.97E-05	0.245382	0.026365
HA10MSI0WC004	PH	3.03435	0.139973	0.000253	0.051547	0.075168
HA99MSI000001	PH	8.924731	1.42E-09	-0.0001	0.364325	0.0046
HA99MSI000002	PH	5.387005	1.18E-11	0.000105	0.076073	0.016732
MO02MSI000104	PH	-0.99749	0.717203	0.000599	0.003842	0.121511
MO02MSI000310	PH	-3.54512	0.283448	0.00079	0.001542	0.141933
MO09MSI000001	PH	11.09101	3.50E-11	-0.00022	0.01512	0.095963
MO09MSI000002	PH	8.823693	5.40E-16	-0.0001	0.095468	0.021236
PG15MSI000012	PH	9.735897	7.37E-35	-0.0002	8.17E-07	0.150109
PG15MSI000013	PH	11.53808	1.10E-44	-0.0003	9.53E-14	0.318713
SHA06MSI00LD01	PH	12.78464	0.038444	-0.00039	0.356214	0.047452
SHA06MSI00LD02	PH	2.443362	0.773707	0.000388	0.531425	0.022122
SHA98MSI00PS01	PH	13.13998	0.000708	-0.00044	0.161241	0.083496
SHA98MSI00PS02	PH	10.67731	0.000249	-0.00026	0.27061	0.044754
SHA99MSI00DV01	PH	17.14179	9.04E-09	-0.00079	0.000207	0.3727
SHA99MSI00DV02	PH	10.41932	8.30E-12	-0.00021	0.042647	0.084569
AA94MSI000008	TCU	12.94997	0.208081	0.000373	0.61349	0.001559

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AA94MSI000009	TCU	23.07226	0.003018	-0.00085	0.127767	0.013433
BA05MSI000SL01	TCU	0.051428	0.218347	-3.07E-06	0.305636	0.017196
BA05MSI000SL02	TCU	0.067427	0.025057	-4.47E-06	0.035775	0.247241
BA05MSI000SL03	TCU	0.057447	0.006933	-3.80E-06	0.011224	0.339089
BA05MSI000SL04	TCU	0.060506	0.053839	-4.00E-06	0.072051	0.188222
BA05MSI000SL05	TCU	0.607644	0.384723	-4.10E-05	0.410934	0.042655
BA05MSI000SL06	TCU	0.115491	0.000573	-7.84E-06	0.000874	0.533184
BA05MSI000SL07	TCU	0.086214	0.000323	-5.90E-06	0.000444	0.762825
BA05MSI000SL08	TCU	0.074611	0.000292	-5.04E-06	0.000473	0.568412
BA05MSI000SL09	TCU	0.046253	0.313809	-2.60E-06	0.428922	0.013086
BA05MSI000SL10	TCU	0.064152	0.000649	-4.33E-06	0.001026	0.523561
BA98MSI000LQ3	TCU	0.019498	0.949474	1.30E-06	0.963412	0.000221
BA98MSI000SB2	TCU	-201.546	0.000359	0.01869	0.000272	0.382171
BA98MSI000SB3	TCU	-293.544	0.000155	0.027257	0.000119	0.51392
BC16MS000I81	TCU	27.55713	0.000165	-0.00103	0.050206	0.014612
BC16MS000I82	TCU	20.92962	4.58E-05	-0.00064	0.084355	0.010416
CC15MSI000001	TCU	-21.0719	0.001356	0.001745	0.000108	0.252488
CC15MSI000002	TCU	24.38027	0.005883	-0.00116	0.046787	0.073878
CH99MSI000096	TCU	-19.778	0.328153	0.002326	0.166639	0.027538
CH99MSI000162	TCU	9.038657	0.785209	-2.04E-05	0.994051	8.76E-07
CR15MSI000003	TCU	26.92839	1.57E-07	-0.00147	2.57E-05	0.112433
CR15MSI000004	TCU	19.22722	2.20E-11	-0.00106	5.63E-08	0.172725
FR02MSI000059	TCU	17.48083	2.04E-06	-0.00089	0.000384	0.070093
FR99MSI000058	TCU	17.26559	1.78E-11	-0.00095	1.98E-07	0.06897
HA10MSI0WC002	TCU	16.14268	0.100566	-0.00073	0.239139	0.011248
HA10MSI0WC003	TCU	8.576255	0.304534	-0.00027	0.605532	0.002157
HA10MSI0WC004	TCU	11.43803	0.260213	-0.00042	0.510609	0.00374
HA99MSI000001	TCU	24.55131	5.52E-12	-0.00169	1.09E-09	0.177175
HA99MSI000002	TCU	20.34806	2.89E-13	-0.0014	9.25E-11	0.19774
HO07MSI000035	TCU	-7.16347	0.31668	0.000818	0.079814	0.031621
HO07MSI0000CL	TCU	1.25	1.54E-226	-2.99E-19	0.135606	0.487353
HO09MSI000036	TCU	-2.20397	0.883067	0.000565	0.553841	0.006529
MO02MSI000104	TCU	-453.932	0.133317	0.034854	0.114055	0.040432
MO02MSI000310	TCU	33.01152	0.43968	-0.00146	0.63863	0.003579
MO09MSI000001	TCU	110.1613	0.485893	-0.00517	0.610428	0.004427
MO09MSI000002	TCU	22.15195	0.336823	-0.00067	0.652546	0.001589
PG15MSI000012	TCU	21.78691	0.018978	-0.00105	0.080225	0.024281
PG15MSI000013	TCU	50.606	0.00301	-0.00281	0.010705	0.052197
SHA02MSI00MR01	TCU	-543.775	0.318467	0.049454	0.27352	0.042654
SHA04MSI00GS01	TCU	-212.258	0.4548	0.017448	0.39254	0.028255
SHA04MSI00GS02	TCU	43.35849	0.773705	-0.00259	0.811058	0.002238
SHA04MSI00GS03	TCU	37.30309	0.757596	-0.00217	0.802603	0.002447
SHA06MSI00LD01	TCU	52.98832	0.674804	-0.00326	0.721471	0.007233
SHA06MSI00LD02	TCU	55.59129	0.607476	-0.0035	0.655423	0.01131
SHA08MSI00WI01	TCU	-6.89311	0.276906	0.000545	0.195633	0.033937
SHA08MSI00WI02	TCU	12.84007	0.198784	-0.00077	0.242911	0.00902

Location	Parameter	Intercept		Slope		Coefficient of Determination (R <sup>2</sup> )
		Estimate (units)	p-value	Estimate (units/year)	p-value	
SHA08MSI00WIO3	TCU	0.467556	0.829013	-2.10E-05	0.883476	0.000143
SHA98MSI00PS01	TCU	-106.95	0.839824	0.013712	0.774332	0.003491
SHA98MSI00PS02	TCU	57.08572	0.319249	-0.00415	0.419265	0.022626
SHA99MSI00DV01	TCU	221.7011	0.02174	-0.01616	0.049114	0.122951
SHA99MSI00DV02	TCU	-32.9437	0.399436	0.003691	0.273779	0.025426
AA94MSI000008	TKN	3.630032	1.66E-05	-0.00016	0.00689	0.043158
AA94MSI000009	TKN	3.126862	6.68E-05	-0.00014	0.014883	0.033602
BA05MSI000SL01	TKN	5.229153	0.105283	-0.00031	0.180652	0.029188
BA05MSI000SL02	TKN	-7.4619	0.334725	0.000616	0.267169	0.076307
BA05MSI000SL03	TKN	-3.00388	0.500862	0.00025	0.433519	0.038776
BA05MSI000SL04	TKN	1.715053	0.467818	-9.57E-05	0.569098	0.020687
BA05MSI000SL05	TKN	16.31856	0.150594	-0.0011	0.172051	0.113275
BA05MSI000SL06	TKN	-10.1827	0.21768	0.000805	0.17415	0.119484
BA05MSI000SL07	TKN	-8.26149	0.372167	0.000652	0.327137	0.106589
BA05MSI000SL08	TKN	4.174209	0.250445	-0.00027	0.302827	0.07055
BA05MSI000SL09	TKN	-1.32754	0.746481	0.000175	0.553319	0.007528
BA05MSI000SL10	TKN	-2.91287	0.476305	0.00024	0.411929	0.045336
BA98MSI000LQ3	TKN	23.11394	0.000777	-0.00207	0.000981	0.679001
BA98MSI000SB2	TKN	8.75068	0.443864	-0.00068	0.511126	0.014527
BA98MSI000SB3	TKN	1.061768	0.817198	2.25E-05	0.956915	0.000136
BC16MS000I81	TKN	2.116349	0.02393	-5.06E-05	0.45396	0.002142
BC16MS000I82	TKN	1.280351	0.014277	-6.63E-06	0.860491	0.000108
CC15MSI000001	TKN	0.812248	0.472696	8.19E-07	0.991345	2.28E-06
CC15MSI000002	TKN	4.070354	0.056129	-0.00018	0.211716	0.029828
CH99MSI000096	TKN	5.142321	0.062236	-0.00031	0.184679	0.02162
CH99MSI000162	TKN	5.313848	9.49E-06	-0.00038	0.000117	0.182755
CR15MSI000003	TKN	-0.04637	0.919239	7.35E-05	0.020986	0.035242
CR15MSI000004	TKN	0.768254	0.085333	5.17E-07	0.986639	1.80E-06
FR02MSI000059	TKN	1.756538	0.000757	-5.85E-05	0.101915	0.015301
FR99MSI000058	TKN	-0.48449	0.628595	9.48E-05	0.187816	0.004585
HA10MSI0WC002	TKN	0.018822	0.98345	2.59E-05	0.650676	0.001686
HA10MSI0WC003	TKN	0.168745	0.8256	1.47E-05	0.760577	0.000758
HA10MSI0WC004	TKN	1.311914	0.220426	-5.34E-05	0.425891	0.005522
HA99MSI000001	TKN	5.343633	0.073761	-0.00036	0.129259	0.012008
HA99MSI000002	TKN	1.460555	0.000121	-7.30E-05	0.013723	0.031378
HO07MSI000035	TKN	0.548852	0.685871	4.05E-05	0.645454	0.002214
HO07MSI0000CL	TKN	-7.53196	0.725994	0.000614	0.688834	0.010286
HO09MSI000036	TKN	3.239753	0.192614	-0.00013	0.406442	0.012799
HO10MSI000037	TKN	2.215076	0.92064	-0.0001	0.937691	0.000717
HO10MSI000038	TKN	4.77851	0.807491	-0.00026	0.824534	0.005757
MO02MSI000104	TKN	-31.9517	0.042915	0.002411	0.036227	0.069931
MO02MSI000310	TKN	-7.47314	0.033085	0.000594	0.020625	0.08343
MO09MSI000001	TKN	2.407294	0.291294	-8.51E-05	0.560095	0.005787
MO09MSI000002	TKN	0.816015	0.337813	-1.69E-05	0.756793	0.000746
PG15MSI000012	TKN	8.75991	6.76E-08	-0.00049	1.92E-06	0.166453
PG15MSI000013	TKN	9.885283	3.74E-08	-0.00056	9.35E-07	0.180971

Location	Parameter	Intercept		Slope		Coefficient of Determination (R <sup>2</sup> )
		Estimate (units)	p-value	Estimate (units/year)	p-value	
SHA02MSI00MR01	TKN	-0.41286	0.983303	0.000165	0.919507	0.000371
SHA04MSI00GS01	TKN	-37.2794	0.000899	0.002728	0.00074	0.359891
SHA04MSI00GS02	TKN	-2.70294	0.753844	0.000221	0.720668	0.005
SHA04MSI00GS03	TKN	-5.66544	0.463165	0.000429	0.438531	0.023254
SHA06MSI00LD01	TKN	4.006267	0.742197	-0.00023	0.795919	0.003813
SHA06MSI00LD02	TKN	10.48161	0.463679	-0.0007	0.501504	0.025472
SHA08MSI00WI01	TKN	10.03838	0.0043	-0.00062	0.007434	0.137314
SHA08MSI00WI02	TKN	0.898615	0.540728	-4.73E-05	0.62712	0.001567
SHA08MSI00WI03	TKN	0.16477	0.764379	-8.19E-06	0.822065	0.000336
SHA98MSI00PS01	TKN	-12.4699	0.070172	0.001325	0.035373	0.171619
SHA98MSI00PS02	TKN	5.989722	0.129195	-0.00042	0.227973	0.049709
SHA99MSI00DV01	TKN	41.8908	0.015177	-0.00332	0.024205	0.158132
SHA99MSI00DV02	TKN	-4.79844	0.130629	0.000514	0.061755	0.07229
AA94MSI000008	TP	0.608597	0.000152	-2.59E-05	0.02316	0.030676
AA94MSI000009	TP	3.470629	0.013977	-0.00022	0.033319	0.025767
BA05MSI000SL01	TP	-0.24186	0.518961	2.42E-05	0.369557	0.01322
BA05MSI000SL02	TP	0.037259	0.814306	-3.60E-07	0.974626	6.52E-05
BA05MSI000SL03	TP	0.016987	0.918691	1.09E-06	0.926989	0.000541
BA05MSI000SL04	TP	-0.06085	0.77624	6.69E-06	0.662171	0.012234
BA05MSI000SL05	TP	1.886717	0.157463	-0.00013	0.178164	0.110292
BA05MSI000SL06	TP	-7.52758	0.389063	0.000564	0.365618	0.054845
BA05MSI000SL07	TP	-8.48074	0.406789	0.000642	0.381644	0.085935
BA05MSI000SL08	TP	-0.01767	0.875149	2.94E-06	0.71435	0.009191
BA05MSI000SL09	TP	0.189079	0.704078	-5.18E-06	0.88438	0.000445
BA05MSI000SL10	TP	-0.11331	0.705453	1.10E-05	0.608134	0.017956
BA98MSI000LQ3	TP	2.99138	0.001455	-0.00027	0.001728	0.642092
BA98MSI000SB2	TP	-0.00353	0.992681	9.48E-06	0.78559	0.002505
BA98MSI000SB3	TP	0.112473	0.963723	1.80E-05	0.936153	0.000298
BC16MS000I81	TP	0.302173	0.011689	-5.14E-06	0.551635	0.001349
BC16MS000I82	TP	0.265012	0.003146	-4.14E-06	0.52208	0.001419
CC15MSI000001	TP	0.005214	0.97345	6.44E-06	0.539797	0.007272
CC15MSI000002	TP	0.290263	0.331028	-5.13E-06	0.796595	0.001289
CH99MSI000096	TP	1.587162	0.005864	-0.00011	0.023376	0.061856
CH99MSI000162	TP	1.245767	0.002781	-8.95E-05	0.009302	0.087911
CR15MSI000003	TP	0.549044	4.57E-06	-2.76E-05	0.000685	0.074693
CR15MSI000004	TP	0.403205	0.013399	-1.46E-05	0.192827	0.010847
FR02MSI000059	TP	0.660334	8.58E-06	-3.14E-05	0.001984	0.053634
FR99MSI000058	TP	0.300126	0.053953	-7.12E-06	0.523606	0.001077
HA10MSI0WC002	TP	0.176169	0.323266	-7.27E-06	0.515753	0.00365
HA10MSI0WC003	TP	0.28173	0.200901	-1.43E-05	0.302289	0.008649
HA10MSI0WC004	TP	0.236375	0.056839	-1.20E-05	0.121004	0.020779
HA99MSI000001	TP	0.162	0.057274	-7.60E-06	0.256847	0.006762
HA99MSI000002	TP	0.310118	1.16E-06	-1.87E-05	0.000174	0.071689
HO07MSI000035	TP	-0.10344	0.846669	2.26E-05	0.5159	0.00441
HO07MSI0000CL	TP	0.063531	0.876321	-2.12E-07	0.994182	3.43E-06
HO09MSI000036	TP	2.577425	0.082836	-0.00014	0.14034	0.039822

Location	Parameter	Intercept		Slope		Coefficient of Determination (R <sup>2</sup> )
		Estimate (units)	p-value	Estimate (units/year)	p-value	
HO10MSI000037	TP	-3.29962	0.294011	0.000203	0.276897	0.129561
HO10MSI000038	TP	-4.26484	0.257996	0.00026	0.245579	0.146345
MO02MSI000104	TP	-6.50991	0.049824	0.000488	0.043707	0.065021
MO02MSI000310	TP	-1.78096	0.003389	0.000139	0.001754	0.147154
MO09MSI000001	TP	0.021837	0.864152	6.54E-06	0.425913	0.010778
MO09MSI000002	TP	0.245436	0.056047	-7.97E-06	0.330791	0.007333
PG15MSI000012	TP	0.234421	0.053917	-1.07E-05	0.174352	0.014711
PG15MSI000013	TP	0.581185	0.000142	-3.25E-05	0.000956	0.085885
SHA02MSI00MR01	TP	-1.08921	0.733503	0.000113	0.670867	0.006544
SHA04MSI00GS01	TP	-3.71676	0.005813	0.000277	0.004379	0.27254
SHA04MSI00GS02	TP	2.62588	0.070857	-0.00018	0.082521	0.111457
SHA04MSI00GS03	TP	1.472624	0.101603	-0.0001	0.117115	0.091772
SHA06MSI00LD01	TP	1.098397	0.417955	-7.35E-05	0.454072	0.03338
SHA06MSI00LD02	TP	1.437889	0.50336	-9.63E-05	0.536123	0.02292
SHA08MSI00WI01	TP	0.326013	0.256889	-1.65E-05	0.384472	0.015473
SHA08MSI00WI02	TP	0.552434	0.076027	-3.41E-05	0.0981	0.018016
SHA08MSI00WI03	TP	-0.00187	0.980009	4.79E-07	0.922952	6.21E-05
SHA98MSI00PS01	TP	-2.54996	0.369066	0.00027	0.293218	0.04591
SHA98MSI00PS02	TP	0.594734	0.397622	-3.57E-05	0.571032	0.011197
SHA99MSI00DV01	TP	3.29472	0.125221	-0.00025	0.173899	0.060741
SHA99MSI00DV02	TP	-0.64314	0.509928	7.13E-05	0.396593	0.015335
AA94MSI000008	TPB	72.39731	3.06E-15	-0.00427	2.91E-11	0.234526
AA94MSI000009	TPB	79.72983	9.74E-17	-0.00475	1.47E-12	0.250716
BA05MSI000SL01	TPB	-0.00584	0.538722	5.36E-07	0.433636	0.010082
BA05MSI000SL02	TPB	0.0005	7.36E-231	-8.46E-23	0.055012	0.510773
BA05MSI000SL03	TPB	-0.00028	0.95488	6.97E-08	0.844458	0.002479
BA05MSI000SL04	TPB	0.0005	7.38E-231	-8.47E-23	0.054884	0.510836
BA05MSI000SL05	TPB	0.009087	0.284475	-5.70E-07	0.345109	0.055848
BA05MSI000SL06	TPB	5.00E-04	0	0	NA	NA
BA05MSI000SL07	TPB	0.0005	4.12E-131	-7.88E-23	0.114938	0.517067
BA05MSI000SL08	TPB	0.0014	0.532415	-5.79E-08	0.715859	0.00909
BA05MSI000SL09	TPB	-0.01331	0.235506	1.11E-06	0.168228	0.03918
BA05MSI000SL10	TPB	0.008955	0.172798	-5.84E-07	0.209784	0.102713
BA98MSI000LQ3	TPB	0.09312	0.105568	-8.28E-06	0.117814	0.226515
BA98MSI000SB2	TPB	-12.668	0.000135	0.001174	0.0001	0.422969
BA98MSI000SB3	TPB	-40.8846	0.000179	0.003795	0.000138	0.507078
BC16MS000I81	TPB	10.99037	0.238037	7.10E-06	0.991607	4.25E-07
BC16MS000I82	TPB	19.89464	0.005361	-0.00074	0.154151	0.007112
CC15MSI000001	TPB	24.157	0.000395	-0.00132	0.003083	0.156355
CC15MSI000002	TPB	112.3613	0.023794	-0.00656	0.047408	0.073479
CH99MSI000096	TPB	-65.0617	1.02E-05	0.00626	4.83E-07	0.448773
CH99MSI000162	TPB	25.26141	0.002204	-0.00103	0.098172	0.078382
CR15MSI000003	TPB	9.780151	0.022672	-0.00053	0.075347	0.020794
CR15MSI000004	TPB	8.713275	0.040652	-0.00043	0.147734	0.0133
FR02MSI000059	TPB	9.887366	0.017271	-0.00056	0.051988	0.021529
FR99MSI000058	TPB	9.393158	3.13E-05	-0.00046	0.004083	0.021552



Location	Parameter	Intercept		Slope		Coefficient of Determination (R <sup>2</sup> )
		Estimate (units)	p-value	Estimate (units/year)	p-value	
HA10MSI0WC002	TPB	37.63237	2.31E-11	-0.00219	4.35E-10	0.27234
HA10MSI0WC003	TPB	34.62714	1.55E-12	-0.00201	4.05E-11	0.297369
HA10MSI0WC004	TPB	34.44709	4.72E-12	-0.00201	7.98E-11	0.3064
HA99MSI000001	TPB	-0.35662	0.801736	0.000143	0.201178	0.00854
HA99MSI000002	TPB	-0.16278	0.90676	0.000123	0.262211	0.006577
HO07MSI000035	TPB	8.712318	0.236255	-0.00036	0.449346	0.006038
HO07MSI0000CL	TPB	0.5	3.59E-220	2.99E-19	0.135606	0.506672
HO09MSI000036	TPB	9.167054	0.402984	-0.00039	0.570032	0.006012
MO02MSI000104	TPB	-75.4114	0.233902	0.005824	0.207404	0.025929
MO02MSI000310	TPB	0.227343	0.99472	0.00029	0.907783	0.000218
MO09MSI000001	TPB	9.818515	0.528165	-0.00023	0.81819	0.000903
MO09MSI000002	TPB	-0.77785	0.964132	0.000445	0.68849	0.00126
PG15MSI000012	TPB	23.43106	0.013578	-0.00122	0.045309	0.031673
PG15MSI000013	TPB	51.15149	5.12E-06	-0.003	3.33E-05	0.132115
SHA02MSI00MR01	TPB	-4675.91	0.040732	0.396312	0.03633	0.14723
SHA04MSI00GS01	TPB	1053.927	0.171115	-0.07341	0.183474	0.067011
SHA04MSI00GS02	TPB	93.07816	0.229576	-0.00636	0.251669	0.050211
SHA04MSI00GS03	TPB	61.90223	0.318911	-0.00412	0.354719	0.033023
SHA06MSI00LD01	TPB	11.10847	0.222348	-0.00043	0.504274	0.025148
SHA06MSI00LD02	TPB	19.80226	0.364747	-0.00105	0.504274	0.025148
SHA08MSI00WI01	TPB	1.449601	0.677995	1.86E-05	0.935832	0.000134
SHA08MSI00WI02	TPB	-5.20106	0.383434	0.000386	0.329033	0.00631
SHA08MSI00WI03	TPB	0.335829	0.846551	-1.42E-05	0.901416	0.000102
SHA98MSI00PS01	TPB	416.9611	0.003617	-0.03363	0.007458	0.307004
SHA98MSI00PS02	TPB	493.6429	0.002341	-0.04109	0.004036	0.28623
SHA99MSI00DV01	TPB	371.8443	1.66E-05	-0.02945	5.21E-05	0.425607
SHA99MSI00DV02	TPB	330.4429	0.001403	-0.02586	0.003371	0.168726
AA94MSI000008	TPH	-2.11062	0.012486	0.000306	9.75E-07	0.136401
AA94MSI000009	TPH	3.861753	0.459116	-8.57E-05	0.819426	0.000304
BC16MS000I81	TPH	3.61171	0.451501	-0.00019	0.636076	0.004026
BC16MS000I82	TPH	3.176384	0.6621	-0.00014	0.821149	0.000804
CC15MSI000001	TPH	1.185828	0.676395	0.000104	0.5839	0.005807
CC15MSI000002	TPH	6.221294	0.007944	-0.00023	0.136187	0.042197
CH99MSI000096	TPH	6.076306	0.041674	-0.00027	0.258224	0.020569
CH99MSI000162	TPH	4.203653	0.04119	-0.00013	0.430038	0.009914
CR15MSI000003	TPH	-1.69837	0.013984	0.000252	3.07E-07	0.162752
CR15MSI000004	TPH	-2.15356	9.00E-05	0.00028	4.07E-12	0.265989
FR02MSI000059	TPH	0.064039	0.966192	0.000103	0.331042	0.008363
FR99MSI000058	TPH	-23.231	0.403755	0.00207	0.301819	0.003439
HA10MSI0WC002	TPH	19.71631	1.65E-07	-0.00113	1.32E-06	0.205805
HA10MSI0WC003	TPH	16.69062	1.68E-05	-0.00094	9.45E-05	0.139441
HA10MSI0WC004	TPH	18.84788	1.52E-06	-0.00108	9.22E-06	0.186099
HA99MSI000001	TPH	11.01927	0.000164	-0.00065	0.004492	0.041493
HA99MSI000002	TPH	9.357779	0.00035	-0.00053	0.010191	0.034058
HO07MSI000035	TPH	-1.40463	0.014268	0.000167	1.38E-05	0.179561
HO07MSI0000CL	TPH	1.589474	5.36E-05	-3.98E-05	0.073373	0.186663

Location	Parameter	Intercept		Slope		Coefficient of Determination (R <sup>2</sup> )
		Estimate (units)	p-value	Estimate (units/year)	p-value	
HO09MSI000036	TPH	-0.15804	0.782871	7.55E-05	0.041961	0.074402
MO02MSI000104	TPH	14.49332	0.229926	-0.00083	0.343124	0.016657
MO02MSI000310	TPH	9.83107	0.143581	-0.00052	0.289462	0.020378
MO09MSI000001	TPH	7.066397	0.545791	-0.00019	0.803336	0.001609
MO09MSI000002	TPH	11.74885	0.041644	-0.00055	0.131802	0.020905
PG15MSI000012	TPH	-0.80094	0.7307	0.000232	0.12532	0.022232
PG15MSI000013	TPH	3.30442	0.045063	-4.67E-05	0.658675	0.001921
SHA06MSI00LD01	TPH	-45.7335	0.779773	0.003782	0.750031	0.005781
SHA06MSI00LD02	TPH	-8.02576	0.90994	0.000944	0.854611	0.001916
SHA98MSI00PS01	TPH	-0.70403	0.846917	0.00018	0.585198	0.012594
SHA98MSI00PS02	TPH	4.045332	0.063057	-0.00029	0.13801	0.07427
SHA99MSI00DV01	TPH	1.087305	0.81597	0.00011	0.783663	0.002552
SHA99MSI00DV02	TPH	-13.0527	6.52E-13	0.001274	1.01E-14	0.723635
AA94MSI000008	TSS	140.4497	0.033931	-0.0047	0.320759	0.005939
AA94MSI000009	TSS	221.8597	7.97E-09	-0.01187	1.20E-05	0.104567
BA05MSI000SL01	TSS	-219.983	0.372569	0.018679	0.292984	0.018112
BA05MSI000SL02	TSS	21.06015	0.209473	-0.00135	0.257538	0.079322
BA05MSI000SL03	TSS	10.23853	0.62537	-0.00056	0.707487	0.009038
BA05MSI000SL04	TSS	42.51415	0.647113	-0.0025	0.705624	0.009158
BA05MSI000SL05	TSS	440.9827	0.175672	-0.03047	0.189171	0.105186
BA05MSI000SL06	TSS	16.37694	0.286503	-0.00102	0.348852	0.058687
BA05MSI000SL07	TSS	23.58105	0.815306	-0.00096	0.894178	0.002076
BA05MSI000SL08	TSS	24.45104	0.200426	-0.00158	0.242083	0.089983
BA05MSI000SL09	TSS	-291.634	0.024485	0.022479	0.015956	0.115071
BA05MSI000SL10	TSS	-31.395	0.77489	0.002916	0.709736	0.009503
BA98MSI000LQ3	TSS	463.629	0.298907	-0.04047	0.325016	0.09677
BA98MSI000SB2	TSS	127.5545	0.318644	-0.00951	0.409327	0.022808
BA98MSI000SB3	TSS	180.102	0.620168	-0.01272	0.698914	0.006932
BC16MS000I81	TSS	-31.5733	0.482305	0.005395	0.09916	0.010627
BC16MS000I82	TSS	29.49682	0.537592	0.001941	0.577061	0.001116
CC15MSI000001	TSS	-123.424	0.006042	0.009902	0.00118	0.184743
CC15MSI000002	TSS	-70.0137	0.449524	0.007679	0.217187	0.029135
CH99MSI000096	TSS	197.4559	0.304713	-0.01124	0.484985	0.006039
CH99MSI000162	TSS	71.73867	0.678346	-0.00203	0.888005	0.00027
CR15MSI000003	TSS	162.9257	0.000856	-0.00868	0.009494	0.044291
CR15MSI000004	TSS	142.0652	0.015134	-0.00595	0.140713	0.013859
FR02MSI000059	TSS	85.12734	0.000963	-0.00467	0.008719	0.038875
FR99MSI000058	TSS	101.9432	0.286238	-0.00095	0.890117	5.07E-05
HA10MSI0WC002	TSS	-20.1281	0.837941	0.002952	0.63404	0.001848
HA10MSI0WC003	TSS	-47.9827	0.452588	0.004228	0.294172	0.008871
HA10MSI0WC004	TSS	-70.7215	0.123376	0.005239	0.06937	0.028149
HA99MSI000001	TSS	96.13962	0.028499	-0.00557	0.106452	0.013587
HA99MSI000002	TSS	90.12135	0.008317	-0.00554	0.038988	0.022121
HO07MSI000035	TSS	195.0505	0.482702	-0.00715	0.692565	0.001745
HO07MSI0000CL	TSS	-5.29255	0.924293	0.000766	0.847172	0.002392
HO09MSI000036	TSS	256.4165	0.74732	-0.00483	0.923845	0.000171

Location	Parameter	Intercept		Slope		Coefficient of Determination (R <sup>2</sup> )
		Estimate (units)	p-value	Estimate (units/year)	p-value	
HO10MSI000037	TSS	-1287.68	0.06965	0.077264	0.066841	0.325471
HO10MSI000038	TSS	-1568.85	0.499967	0.094711	0.492264	0.053864
MO02MSI000104	TSS	-539.971	0.269597	0.041636	0.242835	0.022663
MO02MSI000310	TSS	-310.799	0.621196	0.026814	0.558732	0.005544
MO09MSI000001	TSS	264.3516	0.070826	-0.01379	0.140383	0.036474
MO09MSI000002	TSS	408.8176	0.039626	-0.02242	0.077965	0.023887
PG15MSI000012	TSS	224.8495	0.30713	-0.00838	0.555851	0.002783
PG15MSI000013	TSS	1196.452	0.002272	-0.06817	0.007169	0.057769
SHA02MSI00MR01	TSS	1746.021	0.580235	-0.12741	0.625366	0.00863
SHA04MSI00GS01	TSS	21.74116	0.973192	0.001916	0.96707	6.68E-05
SHA04MSI00GS02	TSS	-21.7115	0.817709	0.00197	0.77068	0.003326
SHA04MSI00GS03	TSS	-115.299	0.679907	0.009435	0.638084	0.008637
SHA06MSI00LD01	TSS	49.25932	0.726661	-0.00306	0.76442	0.005426
SHA06MSI00LD02	TSS	249.4207	0.630027	-0.01712	0.648704	0.012493
SHA08MSI00WI01	TSS	165.1815	0.065751	-0.01014	0.087456	0.058435
SHA08MSI00WI02	TSS	-40.2992	0.759677	0.003331	0.702643	0.000968
SHA08MSI00WI03	TSS	-3.25924	0.745498	0.000256	0.70084	0.00098
SHA98MSI00PS01	TSS	48.00135	0.966719	0.014295	0.890624	0.000804
SHA98MSI00PS02	TSS	825.2638	0.227935	-0.06543	0.286502	0.039067
SHA99MSI00DV01	TSS	535.5631	0.017674	-0.03939	0.040028	0.13315
SHA99MSI00DV02	TSS	-863.769	0.343087	0.086428	0.27102	0.025717
AA94MSI000008	TZN	215.3288	0.003426	-0.0046	0.379306	0.004659
AA94MSI000009	TZN	200.6089	0.000108	-0.00679	0.063937	0.019588
BA05MSI000SL01	TZN	0.001973	0.980525	1.01E-06	0.861877	0.0005
BA05MSI000SL02	TZN	0.038083	0.368251	-2.27E-06	0.450262	0.036084
BA05MSI000SL03	TZN	-0.00601	0.948025	1.29E-06	0.845096	0.002458
BA05MSI000SL04	TZN	0.016864	0.732755	-6.47E-07	0.854157	0.002176
BA05MSI000SL05	TZN	0.122028	0.260942	-7.60E-06	0.324585	0.060646
BA05MSI000SL06	TZN	-0.01165	0.723209	1.42E-06	0.545623	0.024856
BA05MSI000SL07	TZN	0.026719	0.280786	-1.58E-06	0.368159	0.090692
BA05MSI000SL08	TZN	0.007984	0.80046	-2.07E-07	0.92682	0.000581
BA05MSI000SL09	TZN	-0.06496	0.510345	6.32E-06	0.372442	0.016607
BA05MSI000SL10	TZN	0.046044	0.11786	-2.88E-06	0.165487	0.124111
BA98MSI000LQ3	TZN	2.404956	0.354464	-0.00021	0.37712	0.078701
BA98MSI000SB2	TZN	-116.074	1.59E-05	0.010764	1.11E-05	0.504163
BA98MSI000SB3	TZN	-276.024	4.75E-05	0.025634	3.54E-05	0.565108
BC16MS000I81	TZN	125.4148	0.000199	-0.00431	0.074619	0.012127
BC16MS000I82	TZN	126.2966	9.23E-06	-0.00485	0.017498	0.019649
CC15MSI000001	TZN	-46.1733	0.434827	0.006199	0.120336	0.045769
CC15MSI000002	TZN	300.8555	0.113006	-0.01475	0.242891	0.026131
CH99MSI000096	TZN	391.3692	0.012321	-0.02799	0.030499	0.062521
CH99MSI000162	TZN	-29.9903	0.656258	0.00467	0.400275	0.011256
CR15MSI000003	TZN	46.89924	0.297693	-0.00088	0.77682	0.000541
CR15MSI000004	TZN	12.19627	0.348005	0.000553	0.54007	0.002411
FR02MSI000059	TZN	80.40445	2.03E-05	-0.00345	0.007466	0.040413
FR99MSI000058	TZN	37.71036	0.075858	-0.00095	0.532487	0.001029

Location	Parameter	Intercept		Slope		Coefficient of Determination (R <sup>2</sup> )
		Estimate (units)	p-value	Estimate (units/year)	p-value	
HA10MSI0WC002	TZN	43.75578	0.338455	-0.00103	0.72056	0.001044
HA10MSI0WC003	TZN	17.86006	0.722973	0.000834	0.792831	0.000558
HA10MSI0WC004	TZN	123.1733	0.071749	-0.00561	0.189737	0.014778
HA99MSI000001	TZN	31.78376	0.003421	-0.00182	0.032816	0.023629
HA99MSI000002	TZN	80.20657	6.33E-09	-0.00527	9.33E-07	0.118649
HO07MSI000035	TZN	-31.0954	0.338261	0.003302	0.118537	0.02519
HO07MSI0000CL	TZN	889.2492	0.135236	-0.06207	0.143017	0.129142
HO09MSI000036	TZN	159.3976	0.111753	-0.0082	0.19619	0.03074
MO02MSI000104	TZN	-1301.38	0.114674	0.098304	0.102236	0.043175
MO02MSI000310	TZN	-62.0511	0.631722	0.006035	0.522757	0.006619
MO09MSI000001	TZN	219.5517	0.589616	-0.00838	0.748285	0.001759
MO09MSI000002	TZN	-54.5315	0.263878	0.00537	0.087462	0.022645
PG15MSI000012	TZN	86.33732	0.028792	-0.00363	0.152885	0.016149
PG15MSI000013	TZN	190.8551	1.85E-05	-0.01062	0.000212	0.105954
SHA02MSI00MR01	TZN	-9440.47	0.310437	0.827481	0.282926	0.041051
SHA04MSI00GS01	TZN	-1079.87	0.638004	0.090267	0.583834	0.011696
SHA04MSI00GS02	TZN	832.6963	0.076883	-0.05808	0.084938	0.109827
SHA04MSI00GS03	TZN	522.4252	0.086939	-0.03606	0.098899	0.101253
SHA06MSI00LD01	TZN	808.328	0.357534	-0.05482	0.389079	0.041483
SHA06MSI00LD02	TZN	613.3771	0.3442	-0.04144	0.377618	0.043486
SHA08MSI00WI01	TZN	-18.2139	0.609082	0.001828	0.439645	0.012237
SHA08MSI00WI02	TZN	23.94922	0.552773	-0.00127	0.63469	0.001499
SHA08MSI00WI03	TZN	14.47984	0.326075	-0.00089	0.360053	0.005551
SHA98MSI00PS01	TZN	-394.822	0.616095	0.050349	0.480264	0.020974
SHA98MSI00PS02	TZN	456.2852	0.303247	-0.03442	0.386542	0.025961
SHA99MSI00DV01	TZN	1620.478	0.047942	-0.11934	0.087673	0.094112
SHA99MSI00DV02	TZN	21.85456	0.914698	0.002069	0.906194	0.000299
AA94MSI000008	WTEMP	17.85021	9.14E-05	-0.00012	0.706102	0.001012
AA94MSI000009	WTEMP	17.55959	6.34E-06	-0.00016	0.553496	0.002033
BA05MSI000SL01	WTEMP	-36.3679	0.273451	0.003674	0.130167	0.066076
BA05MSI000SL02	WTEMP	-34.6123	0.350655	0.003546	0.187271	0.112916
BA05MSI000SL03	WTEMP	-25.6398	0.511551	0.002953	0.295428	0.072662
BA05MSI000SL04	WTEMP	-33.1497	0.365756	0.003448	0.194486	0.109509
BA05MSI000SL05	WTEMP	-43.7714	0.280972	0.004266	0.147836	0.134371
BA05MSI000SL06	WTEMP	-35.9831	0.329575	0.003658	0.171894	0.128984
BA05MSI000SL07	WTEMP	-44.8558	0.32317	0.004189	0.205678	0.171326
BA05MSI000SL08	WTEMP	-37.0908	0.331969	0.003724	0.181187	0.133114
BA05MSI000SL09	WTEMP	-28.6376	0.320882	0.003156	0.132018	0.091989
BA05MSI000SL10	WTEMP	-31.6691	0.270741	0.003319	0.114091	0.168649
BC16MS000I81	WTEMP	11.06954	0.005585	0.000278	0.338308	0.005181
BC16MS000I82	WTEMP	9.849959	0.010423	0.000339	0.222706	0.008533
CC15MSI000001	WTEMP	-8.00368	0.489668	0.001524	0.053353	0.077129
CC15MSI000002	WTEMP	8.076635	0.370387	0.000544	0.367178	0.017712
CH99MSI000096	WTEMP	-3.35554	0.834867	0.001601	0.229813	0.021774
CH99MSI000162	WTEMP	-12.282	0.504458	0.002277	0.136436	0.033797
CR15MSI000003	WTEMP	4.9386	0.373807	0.000686	0.079408	0.02542

Location	Parameter	Intercept		Slope		Coefficient of Determination (R <sup>2</sup> )
		Estimate (units)	p-value	Estimate (units/year)	p-value	
CR15MSI000004	WTEMP	9.288027	0.028554	0.000275	0.350921	0.007136
FR02MSI000059	WTEMP	31.17211	0.010853	-0.00137	0.117613	0.061616
FR99MSI000058	WTEMP	8.259332	0.009144	0.000257	0.251299	0.004137
HA10MSI0WC002	WTEMP	16.11535	0.58529	-0.00011	0.953313	0.00012
HA10MSI0WC003	WTEMP	17.20213	0.573492	-0.00018	0.923656	0.000322
HA10MSI0WC004	WTEMP	17.81123	0.518995	-0.00019	0.912712	0.000421
HA99MSI000001	WTEMP	5.10709	0.388185	0.000598	0.202504	0.008958
HA99MSI000002	WTEMP	13.83571	0.023343	-5.81E-05	0.903678	8.30E-05
HO07MSI000035	WTEMP	10.77192	0.539938	0.000127	0.914807	0.000218
HO07MSI0000CL	WTEMP	86.20712	0.514264	-0.00513	0.583889	0.025722
HO09MSI000036	WTEMP	-128.022	0.176819	0.009558	0.137759	0.15039
MO02MSI000104	WTEMP	47.25568	0.287969	-0.00243	0.453408	0.010649
MO02MSI000310	WTEMP	38.68435	0.402145	-0.00186	0.581438	0.005772
MO09MSI000001	WTEMP	-7.83	0.708078	0.001369	0.307533	0.022623
MO09MSI000002	WTEMP	10.91161	0.374741	0.000131	0.867149	0.00024
PG15MSI000012	WTEMP	19.52525	0.045532	-0.00034	0.58271	0.002017
PG15MSI000013	WTEMP	18.59299	0.090701	-0.0003	0.673349	0.001238
SHA06MSI00LD01	WTEMP	-30.763	0.797434	0.003234	0.710208	0.007855
SHA06MSI00LD02	WTEMP	-46.0035	0.72054	0.004351	0.641422	0.012312
SHA98MSI00PS01	WTEMP	-29.1208	0.495005	0.004005	0.30196	0.044315
SHA98MSI00PS02	WTEMP	-22.5687	0.525201	0.003287	0.306412	0.037317
SHA99MSI00DV01	WTEMP	24.10909	0.444139	-0.00065	0.808308	0.001993
SHA99MSI00DV02	WTEMP	22.77663	0.236696	-0.00069	0.676127	0.003746