

Appendix 3.1. 2016–2019 IMPROVE and CSN Regional, Monthly Mean Mass Concentration

Table 3.1.1. IMPROVE 2016-2019 regional, monthly mean mass concentration ($\mu\text{g m}^{-3}$) for ammonium sulfate (AS), ammonium nitrate (AN), particulate organic matter (POM), elemental carbon (EC), fine dust (FD), sea salt (SS), gravimetric $\text{PM}_{2.5}$ (FM), reconstructed fine mass (RCFM), gravimetric PM_{10} (PM_{10}), coarse mass (CM), filter light absorption (f_{abs} , Mm^{-1} , 632 nm), residual (FM-RCFM). Missing values replaced by “-999”.

Region	Month	AS	AN	POM	EC	FD	SS	FM	RCFM	PM_{10}	CM	f_{abs}	Residual
Alaska	January	0.278	0.088	0.252	0.037	0.067	0.563	1.339	1.285	3.335	2.012	0.437	0.054
Alaska	February	0.396	0.097	0.253	0.038	0.100	0.738	1.707	1.623	4.815	3.226	0.458	0.084
Alaska	March	0.573	0.107	0.301	0.047	0.169	0.500	1.723	1.697	5.206	3.610	0.648	0.026
Alaska	April	0.493	0.098	0.321	0.034	0.233	0.443	1.634	1.622	5.188	3.724	0.426	0.012
Alaska	May	0.553	0.097	0.558	0.035	0.176	0.485	1.883	1.904	7.659	6.000	0.468	-0.022
Alaska	June	0.540	0.096	1.509	0.076	0.227	0.328	2.712	2.776	9.415	7.352	0.807	-0.063
Alaska	July	0.612	0.102	2.819	0.137	0.177	0.266	3.453	4.113	8.801	5.633	1.080	-0.660
Alaska	August	0.639	0.103	2.087	0.101	0.114	0.389	3.239	3.434	7.440	4.207	0.961	-0.195
Alaska	September	0.413	0.068	0.748	0.051	0.062	0.484	1.756	1.826	4.714	2.953	0.596	-0.070
Alaska	October	0.372	0.055	0.389	0.040	0.154	0.634	1.717	1.644	5.386	3.670	0.517	0.073
Alaska	November	0.288	0.052	0.269	0.035	0.139	0.439	1.206	1.222	3.891	2.685	0.422	-0.016
Alaska	December	0.291	0.067	0.213	0.026	0.087	0.627	1.359	1.311	3.527	2.113	0.328	0.048
Alaska	Annual	0.454	0.086	0.810	0.055	0.142	0.491	1.977	2.038	5.782	3.932	0.596	-0.061
Appalachia	January	1.022	0.829	1.215	0.184	0.122	0.037	3.440	3.409	5.133	1.697	2.093	0.031
Appalachia	February	1.091	0.659	1.425	0.209	0.147	0.059	3.660	3.591	5.558	1.880	2.509	0.069
Appalachia	March	1.295	0.753	1.747	0.251	0.252	0.055	4.467	4.353	7.214	2.747	2.785	0.115
Appalachia	April	1.318	0.425	1.865	0.225	0.408	0.040	4.572	4.281	8.482	3.928	2.551	0.291
Appalachia	May	1.542	0.296	2.276	0.216	0.421	0.043	5.522	4.792	10.407	4.887	2.509	0.730
Appalachia	June	1.469	0.215	2.845	0.214	0.502	0.036	5.917	5.280	10.266	4.352	2.296	0.636
Appalachia	July	1.802	0.167	3.032	0.214	0.676	0.036	6.812	5.929	10.519	3.733	2.355	0.883
Appalachia	August	1.660	0.147	3.334	0.243	0.384	0.032	6.502	5.800	10.004	3.485	2.664	0.702
Appalachia	September	1.644	0.202	2.765	0.236	0.238	0.031	5.556	5.117	8.955	3.390	2.752	0.439
Appalachia	October	1.048	0.244	1.861	0.203	0.207	0.037	3.946	3.599	7.077	3.157	2.427	0.347
Appalachia	November	1.177	0.666	3.087	0.294	0.195	0.033	5.292	5.452	8.069	2.425	2.854	-0.160
Appalachia	December	0.946	0.839	1.467	0.203	0.120	0.025	3.432	3.598	5.046	1.686	2.308	-0.167
Appalachia	Annual	1.335	0.454	2.243	0.224	0.306	0.039	4.927	4.600	8.061	3.114	2.509	0.326
Boundary Waters	January	0.879	1.289	0.665	0.101	0.087	0.120	3.176	3.139	4.154	0.978	1.114	0.037
Boundary Waters	February	0.936	1.213	0.640	0.091	0.121	0.225	3.206	3.226	4.481	1.257	1.100	-0.020
Boundary Waters	March	0.871	0.685	0.573	0.088	0.133	0.070	2.422	2.422	3.697	1.297	1.010	0.000
Boundary Waters	April	0.905	0.379	0.693	0.100	0.209	0.021	2.326	2.306	3.852	1.526	1.060	0.020
Boundary Waters	May	0.666	0.157	1.473	0.123	0.265	0.014	2.949	2.697	5.873	2.907	1.233	0.252

Region	Month	AS	AN	POM	EC	FD	SS	FM	RCFM	PM₁₀	CM	f_{abs}	Residual
Boundary Waters	June	0.535	0.102	2.092	0.113	0.198	0.020	3.169	3.059	7.612	4.443	0.947	0.110
Boundary Waters	July	0.645	0.087	3.506	0.176	0.260	0.019	4.973	4.692	8.732	3.771	1.596	0.281
Boundary Waters	August	0.636	0.076	3.514	0.178	0.171	0.016	4.832	4.591	7.936	3.143	1.810	0.241
Boundary Waters	September	0.880	0.135	1.973	0.140	0.163	0.017	3.467	3.308	7.378	4.019	1.467	0.158
Boundary Waters	October	0.494	0.190	0.881	0.088	0.119	0.009	1.810	1.781	4.041	2.222	0.985	0.029
Boundary Waters	November	0.647	0.935	0.773	0.098	0.114	0.030	2.471	2.598	3.956	1.541	1.091	-0.126
Boundary Waters	December	0.872	1.673	0.814	0.119	0.108	0.092	3.425	3.677	4.566	1.084	1.300	-0.252
Boundary Waters	Annual	0.747	0.577	1.466	0.118	0.162	0.054	3.185	3.125	5.523	2.349	1.226	0.061
California Coast	January	0.404	0.642	0.928	0.117	0.125	0.611	2.919	2.826	6.506	3.552	1.325	0.093
California Coast	February	0.388	0.355	0.739	0.092	0.234	0.854	2.818	2.662	7.394	4.570	1.184	0.156
California Coast	March	0.542	0.357	0.777	0.111	0.350	0.744	3.045	2.881	7.605	4.529	1.387	0.164
California Coast	April	0.929	0.549	0.980	0.109	0.663	1.524	4.949	4.754	12.891	7.943	1.473	0.195
California Coast	May	1.000	0.563	0.989	0.072	0.436	1.417	4.962	4.477	13.140	8.181	1.051	0.485
California Coast	June	1.165	0.556	1.341	0.070	0.517	1.805	5.815	5.455	16.191	10.396	1.007	0.361
California Coast	July	1.255	0.493	1.962	0.110	0.464	1.018	5.800	5.302	15.179	9.379	1.321	0.497
California Coast	August	1.207	0.447	3.944	0.200	0.490	0.568	7.341	6.856	15.894	8.562	2.319	0.485
California Coast	September	1.046	0.579	2.965	0.130	0.594	1.031	6.603	6.344	16.637	10.022	1.767	0.259
California Coast	October	0.793	0.483	1.816	0.121	0.709	1.073	4.972	4.995	15.352	9.897	1.562	-0.023
California Coast	November	0.654	0.692	3.028	0.495	0.501	0.626	6.942	5.996	13.074	6.393	2.529	0.946
California Coast	December	0.381	0.811	1.488	0.145	0.207	0.375	3.443	3.407	7.762	4.330	1.837	0.036
California Coast	Annual	0.814	0.544	1.746	0.148	0.441	0.970	4.967	4.663	12.302	7.313	1.563	0.305
Central Great Plains	January	1.219	2.806	0.968	0.169	0.213	0.085	5.797	5.460	9.142	3.344	1.901	0.337
Central Great Plains	February	1.253	2.848	1.028	0.171	0.292	0.082	5.791	5.673	9.812	4.081	1.895	0.118
Central Great Plains	March	1.253	2.063	1.385	0.218	0.416	0.049	5.463	5.384	11.171	5.728	2.459	0.079
Central Great Plains	April	1.130	1.315	2.206	0.281	0.607	0.034	5.194	5.573	13.166	7.670	2.943	-0.379
Central Great Plains	May	1.235	0.689	1.625	0.188	0.623	0.029	4.511	4.389	12.222	7.678	2.260	0.122
Central Great Plains	June	1.303	0.354	2.327	0.178	0.915	0.030	5.290	5.108	15.356	9.956	2.223	0.182
Central Great Plains	July	1.453	0.287	2.763	0.199	1.094	0.030	6.265	5.827	15.240	8.891	2.420	0.439
Central Great Plains	August	1.408	0.268	3.600	0.254	0.627	0.023	6.610	6.179	14.541	7.968	2.916	0.432
Central Great Plains	September	1.599	0.292	2.876	0.227	0.563	0.027	5.838	5.584	15.882	9.945	2.646	0.254
Central Great Plains	October	0.868	0.511	1.439	0.171	0.508	0.021	3.547	3.518	12.025	8.561	2.157	0.029
Central Great Plains	November	0.955	1.694	1.379	0.197	0.488	0.037	4.591	4.750	11.974	7.320	2.267	-0.160
Central Great Plains	December	1.073	2.616	1.285	0.203	0.301	0.055	5.283	5.533	9.649	4.350	2.116	-0.250
Central Great Plains	Annual	1.229	1.312	1.907	0.205	0.554	0.042	5.348	5.248	12.515	7.124	2.350	0.100
Central Rockies	January	0.177	0.102	0.265	0.053	0.148	0.007	0.736	0.753	1.469	0.732	0.590	-0.017
Central Rockies	February	0.264	0.160	0.284	0.051	0.400	0.011	1.133	1.170	2.419	1.350	0.619	-0.037

Region	Month	AS	AN	POM	EC	FD	SS	FM	RCFM	PM₁₀	CM	f_{abs}	Residual
Central Rockies	March	0.361	0.173	0.303	0.053	0.569	0.011	1.464	1.471	3.420	1.847	0.736	-0.006
Central Rockies	April	0.447	0.191	0.483	0.055	1.034	0.012	2.125	2.221	4.647	2.530	0.654	-0.096
Central Rockies	May	0.463	0.176	0.714	0.052	0.906	0.022	2.275	2.333	4.873	2.611	0.723	-0.058
Central Rockies	June	0.581	0.161	1.983	0.111	1.149	0.020	3.873	4.006	8.363	4.520	1.307	-0.133
Central Rockies	July	0.545	0.122	2.979	0.128	0.767	0.017	3.770	4.559	7.603	3.823	1.430	-0.789
Central Rockies	August	0.562	0.118	2.706	0.146	0.599	0.013	4.177	4.142	7.029	2.868	1.686	0.035
Central Rockies	September	0.489	0.117	1.961	0.113	0.660	0.012	3.281	3.353	6.556	3.194	1.269	-0.072
Central Rockies	October	0.386	0.106	0.691	0.064	0.553	0.010	1.770	1.809	4.106	2.332	0.818	-0.040
Central Rockies	November	0.283	0.093	0.514	0.061	0.428	0.007	1.395	1.386	3.139	1.782	0.758	0.010
Central Rockies	December	0.204	0.107	0.368	0.046	0.220	0.009	0.920	0.953	2.052	1.092	0.582	-0.033
Central Rockies	Annual	0.397	0.136	1.104	0.078	0.619	0.013	2.243	2.346	4.640	2.390	0.931	-0.103
Colorado Plateau	January	0.222	0.186	0.355	0.049	0.158	0.010	0.960	0.979	1.858	0.912	0.592	-0.019
Colorado Plateau	February	0.277	0.157	0.329	0.042	0.397	0.019	1.218	1.222	3.258	2.097	0.525	-0.004
Colorado Plateau	March	0.398	0.140	0.337	0.048	0.659	0.019	1.644	1.601	4.353	2.684	0.640	0.043
Colorado Plateau	April	0.518	0.178	0.514	0.054	1.125	0.020	2.442	2.409	5.756	3.419	0.722	0.033
Colorado Plateau	May	0.552	0.193	0.696	0.050	1.099	0.048	2.705	2.637	6.524	3.916	0.753	0.067
Colorado Plateau	June	0.734	0.194	1.753	0.110	1.190	0.049	4.043	4.029	9.389	5.385	1.446	0.014
Colorado Plateau	July	0.755	0.156	1.798	0.103	0.993	0.044	3.902	3.848	8.540	4.635	1.331	0.054
Colorado Plateau	August	0.737	0.151	2.190	0.125	0.819	0.031	4.088	4.053	7.806	3.782	1.576	0.035
Colorado Plateau	September	0.587	0.125	1.481	0.082	0.689	0.026	3.058	2.989	6.675	3.679	1.123	0.069
Colorado Plateau	October	0.486	0.121	0.730	0.070	0.667	0.023	2.213	2.096	5.577	3.359	0.993	0.116
Colorado Plateau	November	0.334	0.105	0.715	0.081	0.530	0.013	1.906	1.778	4.108	2.225	1.014	0.128
Colorado Plateau	December	0.239	0.195	0.495	0.066	0.248	0.014	1.191	1.258	2.676	1.495	0.824	-0.067
Colorado Plateau	Annual	0.487	0.158	0.949	0.073	0.714	0.026	2.447	2.408	5.543	3.132	0.961	0.039
Columbia River Gorge	January	0.913	3.347	1.233	0.240	0.204	0.072	4.721	6.008	7.936	3.238	3.025	-1.287
Columbia River Gorge	February	0.674	2.309	1.087	0.218	0.277	0.127	3.681	4.692	6.252	2.572	2.760	-1.011
Columbia River Gorge	March	0.461	0.979	0.966	0.195	0.450	0.131	2.655	3.181	6.762	4.107	2.492	-0.526
Columbia River Gorge	April	0.571	0.375	0.995	0.145	1.019	0.191	3.171	3.296	14.756	11.585	2.305	-0.125
Columbia River Gorge	May	0.613	0.307	1.733	0.165	1.604	0.112	4.384	4.533	24.045	20.005	2.686	-0.149
Columbia River Gorge	June	0.538	0.243	1.438	0.109	2.523	0.083	4.632	4.933	33.011	28.379	2.031	-0.301
Columbia River Gorge	July	0.723	0.228	2.088	0.143	2.721	0.049	5.693	5.952	28.862	23.170	2.570	-0.260
Columbia River Gorge	August	0.822	0.310	7.376	0.364	2.703	0.087	11.574	11.661	33.869	22.295	4.342	-0.088
Columbia River Gorge	September	0.589	0.336	5.828	0.288	1.276	0.119	7.169	8.435	22.871	13.875	3.172	-1.266
Columbia River Gorge	October	0.463	0.802	2.655	0.276	0.918	0.206	4.885	5.320	12.964	8.172	3.488	-0.435
Columbia River Gorge	November	0.596	2.236	3.268	0.404	0.588	0.119	6.120	7.210	10.512	4.392	4.338	-1.090
Columbia River Gorge	December	0.824	2.306	1.930	0.266	0.332	0.217	4.820	5.874	6.610	1.790	3.314	-1.054

Region	Month	AS	AN	POM	EC	FD	SS	FM	RCFM	PM₁₀	CM	f_{abs}	Residual
Columbia River Gorge	Annual	0.649	1.148	2.550	0.234	1.218	0.126	5.292	5.925	17.371	11.965	3.044	-0.633
East Coast	January	1.220	1.244	1.401	0.217	0.143	0.360	4.571	4.586	10.365	5.864	2.691	-0.015
East Coast	February	1.309	1.143	1.514	0.219	0.170	0.643	5.082	4.999	11.542	6.542	2.541	0.083
East Coast	March	1.362	0.920	1.142	0.175	0.234	0.704	4.694	4.537	10.132	5.848	2.345	0.157
East Coast	April	1.402	0.635	1.249	0.142	0.364	0.638	4.338	4.430	12.687	8.271	1.837	-0.092
East Coast	May	1.345	0.415	1.835	0.158	0.378	0.491	5.038	4.623	12.668	7.587	2.028	0.415
East Coast	June	1.524	0.335	2.783	0.208	0.367	0.315	6.177	5.531	16.118	9.993	2.453	0.646
East Coast	July	1.704	0.287	3.082	0.191	0.672	0.272	6.994	6.207	15.260	8.189	2.247	0.787
East Coast	August	1.485	0.251	2.939	0.196	0.449	0.291	6.027	5.610	12.675	6.642	2.193	0.417
East Coast	September	1.271	0.333	2.238	0.160	0.319	0.552	4.985	4.873	11.382	6.216	2.043	0.112
East Coast	October	1.097	0.331	1.644	0.177	0.214	0.580	4.314	4.043	10.715	6.401	2.053	0.271
East Coast	November	1.185	0.661	1.997	0.243	0.169	0.366	4.507	4.620	11.437	6.930	2.623	-0.114
East Coast	December	1.177	1.284	1.856	0.266	0.148	0.237	4.427	4.969	7.754	3.234	2.743	-0.542
East Coast	Annual	1.340	0.653	1.973	0.196	0.302	0.454	5.096	4.919	11.895	6.810	2.316	0.177
Great Basin	January	0.137	0.073	0.272	0.031	0.115	0.008	0.593	0.636	1.223	0.661	0.284	-0.043
Great Basin	February	0.200	0.086	0.288	0.028	0.404	0.028	1.037	1.034	3.055	2.248	0.305	0.003
Great Basin	March	0.318	0.107	0.290	0.040	0.527	0.030	1.301	1.312	3.152	1.839	0.465	-0.010
Great Basin	April	0.428	0.120	0.467	0.048	0.961	0.036	2.121	2.060	4.870	2.748	0.529	0.061
Great Basin	May	0.474	0.132	0.964	0.074	0.816	0.036	2.568	2.496	5.791	3.247	0.949	0.072
Great Basin	June	0.441	0.111	1.272	0.053	1.384	0.022	3.318	3.283	9.918	6.536	0.708	0.036
Great Basin	July	0.609	0.148	2.651	0.153	1.503	0.022	5.099	5.086	11.807	6.708	1.742	0.013
Great Basin	August	0.579	0.158	5.251	0.264	1.571	0.025	7.656	7.847	14.270	6.905	2.934	-0.191
Great Basin	September	0.425	0.109	2.363	0.102	1.203	0.017	4.211	4.219	9.143	4.879	1.321	-0.008
Great Basin	October	0.349	0.080	0.752	0.050	0.934	0.038	2.295	2.202	5.951	3.656	0.668	0.093
Great Basin	November	0.298	0.060	0.475	0.048	0.377	0.010	1.333	1.268	3.345	2.005	0.544	0.065
Great Basin	December	0.158	0.062	0.392	0.039	0.121	0.014	0.723	0.785	1.611	0.902	0.392	-0.061
Great Basin	Annual	0.368	0.104	1.286	0.078	0.826	0.024	2.688	2.686	6.178	3.528	0.903	0.002
Hawaii	January	1.699	0.072	0.186	0.023	0.138	0.270	2.776	2.389	4.093	1.257	0.201	0.387
Hawaii	February	2.587	0.077	0.240	0.033	0.179	0.243	4.351	3.357	5.697	1.356	0.244	0.994
Hawaii	March	2.769	0.085	0.203	0.034	0.180	0.249	4.597	3.519	5.759	1.162	0.357	1.078
Hawaii	April	0.844	0.114	0.224	0.023	0.252	0.296	1.819	1.754	3.233	1.384	0.241	0.065
Hawaii	May	1.304	0.106	0.202	0.023	0.298	0.232	2.561	2.165	3.987	1.426	0.198	0.396
Hawaii	June	1.362	0.093	0.222	0.014	0.152	0.229	2.673	2.071	4.026	1.359	0.236	0.602
Hawaii	July	1.431	0.111	0.226	0.021	0.127	0.255	2.776	2.171	4.604	1.739	0.257	0.606
Hawaii	August	0.637	0.090	0.212	0.009	0.042	0.210	1.362	1.199	2.779	1.402	0.154	0.163
Hawaii	September	1.126	0.087	0.223	0.012	0.040	0.257	2.046	1.744	3.529	1.483	0.154	0.302

Region	Month	AS	AN	POM	EC	FD	SS	FM	RCFM	PM₁₀	CM	f_{abs}	Residual
Hawaii	October	0.781	0.065	0.198	0.018	0.056	0.196	1.518	1.314	2.616	1.108	0.252	0.204
Hawaii	November	0.853	0.067	0.220	0.018	0.067	0.244	1.623	1.468	2.565	0.944	0.173	0.155
Hawaii	December	0.598	0.050	0.165	0.012	0.053	0.275	1.358	1.153	2.448	1.084	0.113	0.205
Hawaii	Annual	1.333	0.085	0.210	0.020	0.132	0.246	2.455	2.025	3.778	1.309	0.215	0.430
Hells Canyon	January	0.170	0.588	0.554	0.057	0.058	0.033	1.211	1.460	1.845	0.636	0.598	-0.249
Hells Canyon	February	0.225	0.424	0.492	0.047	0.110	0.025	1.079	1.323	2.085	1.024	0.537	-0.244
Hells Canyon	March	0.251	0.123	0.408	0.045	0.228	0.018	1.021	1.072	1.925	0.910	0.464	-0.052
Hells Canyon	April	0.400	0.113	0.698	0.059	0.480	0.020	1.767	1.770	3.529	1.759	0.669	-0.003
Hells Canyon	May	0.455	0.123	1.137	0.079	0.526	0.023	2.350	2.342	4.824	2.455	0.838	0.008
Hells Canyon	June	0.339	0.088	1.757	0.102	0.540	0.020	2.670	2.845	6.810	4.117	0.982	-0.175
Hells Canyon	July	0.489	0.110	3.518	0.201	0.775	0.015	4.915	5.107	10.386	5.526	2.153	-0.193
Hells Canyon	August	0.546	0.201	10.365	0.489	0.893	0.021	12.245	12.515	18.350	6.184	3.692	-0.270
Hells Canyon	September	0.388	0.165	5.579	0.465	0.706	0.022	7.372	7.325	11.772	4.385	2.324	0.047
Hells Canyon	October	0.291	0.125	1.548	0.131	0.317	0.028	2.468	2.440	4.345	1.935	1.286	0.029
Hells Canyon	November	0.271	0.192	1.249	0.126	0.190	0.016	2.006	2.045	3.237	1.243	1.147	-0.038
Hells Canyon	December	0.211	0.553	0.821	0.083	0.062	0.054	1.507	1.783	2.129	0.627	0.808	-0.277
Hells Canyon	Annual	0.336	0.234	2.344	0.157	0.407	0.025	3.384	3.502	5.936	2.567	1.292	-0.118
MidSouth	January	1.081	1.495	1.397	0.211	0.215	0.048	4.289	4.445	7.704	3.414	2.357	-0.156
MidSouth	February	1.368	1.450	1.795	0.243	0.289	0.060	5.124	5.205	9.702	4.578	2.536	-0.081
MidSouth	March	1.424	1.124	2.706	0.334	0.470	0.061	6.315	6.118	11.868	5.579	3.219	0.197
MidSouth	April	1.336	0.494	2.088	0.239	0.538	0.053	5.055	4.746	11.378	6.312	2.586	0.309
MidSouth	May	1.755	0.281	1.962	0.196	0.622	0.063	5.422	4.878	12.518	6.946	2.331	0.545
MidSouth	June	1.853	0.271	2.607	0.176	1.244	0.070	6.474	6.222	13.084	6.700	2.252	0.252
MidSouth	July	2.076	0.295	3.047	0.154	2.382	0.074	8.238	8.028	15.990	7.833	2.320	0.210
MidSouth	August	1.826	0.230	3.607	0.223	1.122	0.058	7.220	7.067	12.955	5.549	2.601	0.152
MidSouth	September	2.106	0.220	3.277	0.228	0.582	0.046	6.825	6.459	12.800	5.941	2.709	0.366
MidSouth	October	1.223	0.295	2.197	0.213	0.391	0.044	4.771	4.363	10.247	5.595	2.452	0.408
MidSouth	November	1.261	0.841	2.320	0.269	0.332	0.037	4.985	5.059	9.594	4.679	2.790	-0.074
MidSouth	December	1.145	1.361	1.936	0.252	0.340	0.039	4.713	5.073	8.675	4.088	2.587	-0.360
MidSouth	Annual	1.538	0.697	2.411	0.228	0.711	0.054	5.786	5.639	11.376	5.601	2.562	0.147
Mogollon Plateau	January	0.308	0.220	0.559	0.084	0.282	0.025	1.461	1.478	3.375	1.880	1.031	-0.017
Mogollon Plateau	February	0.380	0.169	0.511	0.073	0.472	0.031	1.632	1.635	4.576	2.962	0.966	-0.003
Mogollon Plateau	March	0.561	0.178	0.500	0.076	0.976	0.048	2.435	2.339	7.585	5.156	1.084	0.096
Mogollon Plateau	April	0.693	0.242	0.684	0.069	1.663	0.052	3.392	3.403	9.560	6.150	1.028	-0.011
Mogollon Plateau	May	0.668	0.224	0.973	0.082	1.368	0.092	3.423	3.407	9.614	6.142	1.207	0.016
Mogollon Plateau	June	1.018	0.254	3.133	0.251	1.292	0.083	5.807	6.029	12.364	6.464	2.687	-0.222

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Mogollon Plateau	July	0.982	0.167	1.739	0.113	1.011	0.054	3.951	4.066	9.259	5.234	1.434	-0.115
Mogollon Plateau	August	0.862	0.143	1.659	0.098	0.896	0.033	3.693	3.689	8.291	4.642	1.352	0.004
Mogollon Plateau	September	0.848	0.140	1.632	0.106	0.605	0.038	3.335	3.370	7.378	3.950	1.426	-0.035
Mogollon Plateau	October	0.643	0.123	0.960	0.108	0.657	0.027	2.561	2.518	6.390	3.874	1.330	0.044
Mogollon Plateau	November	0.432	0.136	1.206	0.149	0.596	0.026	2.582	2.545	6.017	3.430	1.718	0.038
Mogollon Plateau	December	0.336	0.235	0.751	0.112	0.394	0.021	1.750	1.849	4.487	2.739	1.406	-0.099
Mogollon Plateau	Annual	0.644	0.186	1.192	0.110	0.851	0.044	3.002	3.027	7.408	4.385	1.389	-0.026
Northeast	January	0.845	0.673	1.066	0.176	0.120	0.316	3.222	3.195	5.838	2.622	2.192	0.027
Northeast	February	0.976	0.673	1.025	0.172	0.158	0.306	3.289	3.310	6.525	3.215	2.211	-0.020
Northeast	March	0.776	0.389	0.776	0.127	0.200	0.427	2.797	2.695	6.337	3.549	1.698	0.103
Northeast	April	0.864	0.313	0.824	0.109	0.241	0.351	2.784	2.701	5.981	3.194	1.453	0.084
Northeast	May	0.726	0.230	1.345	0.130	0.251	0.160	3.058	2.842	7.085	4.054	1.578	0.216
Northeast	June	0.729	0.209	1.998	0.147	0.214	0.205	3.707	3.503	8.624	4.908	1.702	0.204
Northeast	July	1.056	0.185	3.092	0.202	0.237	0.141	5.424	4.912	9.621	4.210	2.202	0.511
Northeast	August	0.921	0.165	2.993	0.201	0.190	0.126	4.885	4.595	8.974	4.076	2.309	0.290
Northeast	September	0.724	0.153	1.945	0.151	0.150	0.243	3.359	3.365	8.640	5.269	1.767	-0.007
Northeast	October	0.620	0.231	1.251	0.145	0.137	0.267	2.681	2.651	6.906	4.219	1.783	0.030
Northeast	November	0.700	0.405	1.352	0.186	0.117	0.231	2.834	2.990	5.490	2.660	2.117	-0.156
Northeast	December	0.792	0.606	1.298	0.205	0.116	0.229	3.009	3.246	5.186	2.101	2.320	-0.237
Northeast	Annual	0.811	0.353	1.580	0.162	0.178	0.250	3.421	3.334	7.101	3.673	1.944	0.087
Northern Great Plains	January	0.741	1.007	0.538	0.091	0.170	0.032	2.421	2.579	4.200	1.791	1.092	-0.159
Northern Great Plains	February	0.904	0.908	0.605	0.098	0.251	0.019	2.606	2.785	5.022	2.417	1.068	-0.179
Northern Great Plains	March	0.984	0.953	0.490	0.090	0.328	0.026	2.641	2.871	4.980	2.353	0.996	-0.230
Northern Great Plains	April	0.848	0.493	0.739	0.096	0.529	0.019	2.607	2.723	5.910	3.301	1.182	-0.117
Northern Great Plains	May	0.815	0.433	1.778	0.147	0.863	0.016	4.142	4.051	10.572	6.349	1.685	0.091
Northern Great Plains	June	0.632	0.180	1.669	0.094	0.748	0.018	3.361	3.341	10.605	7.234	1.032	0.020
Northern Great Plains	July	0.780	0.125	2.635	0.141	0.756	0.017	4.546	4.453	11.871	7.339	1.564	0.093
Northern Great Plains	August	0.798	0.155	5.768	0.271	0.996	0.017	8.100	8.003	16.508	8.484	2.961	0.097
Northern Great Plains	September	0.632	0.153	3.126	0.168	0.719	0.011	4.687	4.809	10.874	6.212	1.761	-0.123
Northern Great Plains	October	0.541	0.173	0.800	0.085	0.472	0.011	2.069	2.083	5.908	3.933	1.126	-0.014
Northern Great Plains	November	0.735	0.613	0.735	0.101	0.312	0.019	2.354	2.516	4.493	2.143	1.247	-0.162
Northern Great Plains	December	0.659	0.785	0.637	0.090	0.234	0.029	2.219	2.434	4.134	1.985	1.154	-0.216
Northern Great Plains	Annual	0.756	0.498	1.627	0.123	0.532	0.020	3.479	3.554	7.923	4.462	1.406	-0.075
Northern Rockies	January	0.169	0.175	0.428	0.054	0.068	0.010	0.889	0.904	1.323	0.427	0.561	-0.015
Northern Rockies	February	0.276	0.166	0.367	0.047	0.109	0.013	0.947	0.977	1.563	0.617	0.520	-0.031
Northern Rockies	March	0.293	0.138	0.366	0.051	0.219	0.014	1.036	1.081	1.726	0.693	0.557	-0.044

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Northern Rockies	April	0.408	0.148	0.633	0.065	0.413	0.012	1.688	1.679	2.923	1.276	0.694	0.009
Northern Rockies	May	0.462	0.128	1.108	0.079	0.525	0.013	2.401	2.314	4.645	2.261	0.870	0.087
Northern Rockies	June	0.346	0.082	1.469	0.075	0.514	0.016	2.497	2.501	5.865	3.495	0.788	-0.003
Northern Rockies	July	0.451	0.081	2.864	0.139	0.723	0.011	4.269	4.269	9.692	5.347	1.466	0.001
Northern Rockies	August	0.532	0.153	8.778	0.378	0.792	0.014	10.090	10.647	15.110	5.071	3.288	-0.557
Northern Rockies	September	0.372	0.193	8.034	0.479	0.550	0.016	6.256	9.644	12.605	3.638	1.971	-3.388
Northern Rockies	October	0.306	0.096	1.591	0.128	0.246	0.015	2.410	2.382	3.880	1.485	1.205	0.028
Northern Rockies	November	0.303	0.147	1.404	0.125	0.120	0.012	2.014	2.110	2.728	0.682	1.058	-0.097
Northern Rockies	December	0.206	0.146	0.640	0.064	0.060	0.021	1.056	1.137	1.524	0.470	0.678	-0.080
Northern Rockies	Annual	0.343	0.138	2.307	0.140	0.362	0.014	2.963	3.304	5.299	2.122	1.138	-0.341
Northwest	January	0.128	0.127	0.324	0.051	0.042	0.093	0.819	0.764	1.257	0.438	0.602	0.055
Northwest	February	0.198	0.124	0.336	0.048	0.053	0.076	0.895	0.836	1.526	0.648	0.613	0.059
Northwest	March	0.249	0.146	0.392	0.057	0.113	0.098	1.114	1.055	1.933	0.823	0.669	0.059
Northwest	April	0.425	0.165	0.585	0.059	0.254	0.185	1.807	1.672	3.188	1.387	0.717	0.135
Northwest	May	0.519	0.215	1.061	0.088	0.293	0.142	2.495	2.316	4.519	2.026	1.125	0.179
Northwest	June	0.457	0.175	1.038	0.070	0.172	0.118	2.060	2.029	4.077	1.968	0.826	0.031
Northwest	July	0.578	0.146	1.768	0.104	0.193	0.062	2.884	2.850	5.192	2.308	1.199	0.033
Northwest	August	0.766	0.294	11.064	0.607	0.298	0.094	11.639	13.122	15.224	3.051	3.237	-1.483
Northwest	September	0.467	0.191	3.816	0.222	0.194	0.108	4.454	4.999	6.985	2.528	1.532	-0.545
Northwest	October	0.285	0.133	1.325	0.119	0.108	0.107	2.224	2.076	3.751	1.538	1.207	0.148
Northwest	November	0.222	0.135	1.155	0.111	0.057	0.072	1.849	1.752	2.720	0.882	1.115	0.097
Northwest	December	0.158	0.125	0.604	0.073	0.034	0.099	1.085	1.093	1.501	0.418	0.829	-0.008
Northwest	Annual	0.371	0.165	1.956	0.134	0.151	0.104	2.777	2.880	4.323	1.501	1.139	-0.103
Ohio River Valley	January	1.509	1.821	1.542	0.256	0.259	0.057	5.279	5.444	8.060	2.846	3.064	-0.164
Ohio River Valley	February	1.544	1.627	1.723	0.290	0.218	0.056	5.269	5.457	8.626	3.077	3.236	-0.188
Ohio River Valley	March	1.678	1.366	1.722	0.294	0.303	0.045	5.362	5.409	9.540	4.176	3.362	-0.047
Ohio River Valley	April	1.523	0.653	1.819	0.274	0.539	0.040	4.942	4.848	10.981	6.065	3.294	0.094
Ohio River Valley	May	1.845	0.387	2.361	0.268	0.555	0.038	6.003	5.453	12.694	6.602	3.241	0.550
Ohio River Valley	June	1.770	0.265	2.965	0.271	0.848	0.040	6.684	6.159	14.611	7.942	3.292	0.525
Ohio River Valley	July	2.249	0.233	3.532	0.284	0.975	0.038	8.083	7.311	14.744	6.639	3.624	0.773
Ohio River Valley	August	1.983	0.182	3.503	0.301	0.584	0.033	7.164	6.587	13.072	5.922	3.563	0.578
Ohio River Valley	September	2.025	0.205	3.250	0.321	0.527	0.036	6.717	6.364	13.732	6.851	3.936	0.353
Ohio River Valley	October	1.428	0.357	2.372	0.301	0.450	0.029	5.284	4.936	11.910	6.527	3.571	0.348
Ohio River Valley	November	1.521	1.334	2.793	0.369	0.404	0.039	6.211	6.460	11.608	5.291	3.972	-0.249
Ohio River Valley	December	1.465	2.058	2.246	0.340	0.309	0.045	5.883	6.463	10.252	4.270	3.487	-0.580
Ohio River Valley	Annual	1.712	0.874	2.486	0.297	0.498	0.041	6.074	5.908	11.653	5.517	3.470	0.166

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Oregon/Northern California	January	0.129	0.088	0.575	0.079	0.085	0.145	1.118	1.101	2.121	0.987	0.804	0.017
Oregon/Northern California	February	0.158	0.084	0.468	0.067	0.134	0.121	1.081	1.032	2.167	1.105	0.707	0.049
Oregon/Northern California	March	0.283	0.104	0.485	0.061	0.237	0.162	1.366	1.333	2.676	1.329	0.711	0.034
Oregon/Northern California	April	0.500	0.155	0.712	0.070	0.467	0.275	2.278	2.180	4.295	2.036	0.870	0.098
Oregon/Northern California	May	0.542	0.176	1.139	0.085	0.443	0.216	2.677	2.602	5.167	2.491	1.018	0.076
Oregon/Northern California	June	0.456	0.145	1.326	0.073	0.362	0.243	2.596	2.606	5.950	3.350	0.826	-0.010
Oregon/Northern California	July	0.661	0.182	4.017	0.232	0.481	0.176	5.772	5.749	10.829	4.847	2.169	0.023
Oregon/Northern California	August	0.683	0.263	11.998	0.744	0.687	0.162	13.260	14.538	19.489	5.588	4.680	-1.277
Oregon/Northern California	September	0.497	0.227	7.947	0.382	0.575	0.202	7.917	9.831	13.820	5.130	3.299	-1.914
Oregon/Northern California	October	0.328	0.125	3.219	0.199	0.309	0.161	3.192	4.343	5.834	2.593	1.648	-1.150
Oregon/Northern California	November	0.280	0.104	1.735	0.154	0.174	0.116	2.570	2.563	4.100	1.531	1.376	0.007
Oregon/Northern California	December	0.136	0.093	1.131	0.127	0.066	0.117	1.573	1.669	2.418	0.862	1.159	-0.095
Oregon/Northern California	Annual	0.388	0.146	2.896	0.189	0.335	0.175	3.783	4.129	6.572	2.654	1.606	-0.345
Sierra Nevada	January	0.184	0.191	0.568	0.068	0.170	0.025	1.145	1.206	2.552	1.398	0.704	-0.061
Sierra Nevada	February	0.317	0.373	0.639	0.072	0.379	0.048	1.824	1.826	4.131	2.360	0.846	-0.003
Sierra Nevada	March	0.509	0.298	0.758	0.089	0.466	0.041	2.173	2.161	4.667	2.504	1.031	0.012
Sierra Nevada	April	0.781	0.346	1.166	0.093	0.877	0.046	3.402	3.310	7.877	4.455	1.075	0.093
Sierra Nevada	May	1.056	0.403	1.660	0.099	0.756	0.048	4.228	4.022	10.312	6.078	1.206	0.206
Sierra Nevada	June	1.151	0.348	2.856	0.141	1.108	0.052	5.786	5.655	15.472	9.793	1.668	0.131
Sierra Nevada	July	1.351	0.496	8.795	0.380	1.214	0.033	10.375	12.269	22.232	11.539	3.180	-1.894
Sierra Nevada	August	1.118	0.426	10.061	0.547	1.465	0.030	12.074	13.647	24.374	12.270	3.928	-1.573
Sierra Nevada	September	0.789	0.398	4.753	0.218	1.336	0.040	5.779	7.534	17.659	10.890	2.178	-1.755
Sierra Nevada	October	0.617	0.454	3.728	0.247	1.486	0.043	6.408	6.574	15.065	8.661	2.334	-0.166
Sierra Nevada	November	0.446	0.368	2.611	0.190	0.744	0.035	4.538	4.393	9.024	4.410	1.725	0.144
Sierra Nevada	December	0.218	0.480	0.826	0.090	0.240	0.025	1.656	1.880	3.603	1.841	0.958	-0.224
Sierra Nevada	Annual	0.711	0.382	3.202	0.186	0.854	0.039	4.949	5.373	11.414	6.350	1.736	-0.424

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Southeast	January	1.246	0.497	1.893	0.287	0.164	0.445	4.929	4.531	8.339	3.433	3.532	0.398
Southeast	February	1.642	0.516	2.052	0.303	0.203	0.745	5.588	5.461	11.012	5.466	3.402	0.127
Southeast	March	1.650	0.496	2.304	0.319	0.312	0.637	6.353	5.718	12.935	6.556	3.610	0.636
Southeast	April	1.802	0.442	8.952	0.309	0.504	0.551	5.830	12.559	12.668	6.611	2.960	-6.729
Southeast	May	1.902	0.397	2.310	0.211	0.993	0.535	6.735	6.349	13.403	6.655	2.893	0.386
Southeast	June	1.814	0.319	2.186	0.159	1.665	0.359	6.640	6.503	13.879	7.298	2.358	0.137
Southeast	July	1.791	0.327	2.641	0.164	2.455	0.310	7.415	7.688	15.304	7.921	2.436	-0.274
Southeast	August	1.535	0.275	1.973	0.133	1.343	0.341	5.559	5.599	11.607	6.050	1.923	-0.041
Southeast	September	1.662	0.253	2.651	0.209	0.508	0.296	5.623	5.580	10.872	5.124	2.609	0.043
Southeast	October	1.336	0.316	1.810	0.191	0.381	0.518	4.820	4.551	10.135	5.343	2.423	0.269
Southeast	November	1.393	0.377	3.748	0.346	0.221	0.344	5.688	6.430	10.024	4.336	3.517	-0.742
Southeast	December	1.358	0.392	2.165	0.286	0.165	0.399	4.883	4.765	8.456	3.573	3.081	0.119
Southeast	Annual	1.594	0.384	2.890	0.243	0.743	0.457	5.839	6.311	11.553	5.697	2.895	-0.473
Southern Arizona	January	0.421	0.503	2.164	0.430	1.178	0.221	4.403	4.916	13.805	9.293	4.861	-0.513
Southern Arizona	February	0.450	0.350	1.338	0.323	1.554	0.140	4.019	4.155	13.435	9.329	4.164	-0.136
Southern Arizona	March	0.622	0.256	0.909	0.229	2.020	0.141	4.177	4.175	14.660	10.669	3.305	0.002
Southern Arizona	April	0.799	0.347	1.048	0.166	2.704	0.206	5.150	5.271	17.781	12.616	2.616	-0.121
Southern Arizona	May	0.765	0.317	1.042	0.138	2.239	0.237	4.606	4.737	16.453	11.859	2.402	-0.132
Southern Arizona	June	1.292	0.361	1.814	0.175	2.412	0.219	6.033	6.273	18.643	12.546	3.099	-0.239
Southern Arizona	July	1.451	0.364	1.614	0.148	1.632	0.104	4.980	5.314	14.265	9.300	2.365	-0.334
Southern Arizona	August	1.158	0.245	1.560	0.172	1.166	0.070	4.126	4.371	12.692	8.556	2.487	-0.245
Southern Arizona	September	1.052	0.245	1.556	0.182	1.299	0.081	4.207	4.414	13.357	9.158	2.758	-0.208
Southern Arizona	October	0.843	0.225	1.317	0.255	1.976	0.089	4.627	4.705	16.594	11.962	3.716	-0.078
Southern Arizona	November	0.582	0.243	1.846	0.414	2.435	0.105	5.465	5.625	18.586	13.398	5.120	-0.161
Southern Arizona	December	0.450	0.477	2.552	0.549	1.617	0.243	5.590	5.887	15.737	9.905	5.427	-0.297
Southern Arizona	Annual	0.824	0.328	1.563	0.265	1.853	0.155	4.782	4.987	15.501	10.716	3.527	-0.205
Southern California	January	0.229	0.384	0.489	0.075	0.205	0.102	1.357	1.483	3.586	2.236	0.989	-0.126
Southern California	February	0.320	0.603	0.587	0.087	0.456	0.086	1.983	2.140	5.395	3.429	1.172	-0.157
Southern California	March	0.565	0.840	0.927	0.133	0.577	0.148	2.731	3.191	6.872	3.954	1.600	-0.460
Southern California	April	0.894	1.012	1.148	0.133	1.095	0.148	4.057	4.429	11.167	7.088	1.944	-0.372
Southern California	May	0.997	1.161	1.376	0.132	0.652	0.184	4.227	4.501	10.812	6.634	1.970	-0.274
Southern California	June	1.367	0.867	2.262	0.192	0.878	0.119	5.483	5.686	14.391	8.900	2.705	-0.203
Southern California	July	1.736	0.899	3.493	0.295	1.172	0.111	6.683	7.705	19.566	11.716	3.304	-1.023
Southern California	August	1.244	0.479	2.842	0.199	0.846	0.042	5.666	5.653	14.245	8.486	2.872	0.013
Southern California	September	0.983	0.712	1.873	0.147	0.863	0.098	4.273	4.677	12.732	8.453	2.252	-0.404
Southern California	October	0.765	0.630	1.323	0.150	0.984	0.098	3.824	3.950	11.472	7.457	2.195	-0.126

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Southern California	November	0.418	0.402	0.947	0.121	0.761	0.061	2.636	2.710	7.568	4.977	1.674	-0.074
Southern California	December	0.261	0.475	0.681	0.097	0.342	0.069	1.742	1.924	4.776	2.962	1.262	-0.182
Southern California	Annual	0.811	0.712	1.469	0.147	0.731	0.110	3.694	3.980	10.165	6.336	1.992	-0.286
Virgin Islands	January	0.870	0.282	0.738	0.056	0.777	1.705	4.885	4.427	16.366	11.482	0.961	0.457
Virgin Islands	February	1.009	0.292	0.700	0.073	1.114	1.808	5.181	4.994	15.272	10.091	1.147	0.186
Virgin Islands	March	1.068	0.284	0.541	0.037	0.418	1.917	4.050	4.264	14.691	10.220	0.497	-0.215
Virgin Islands	April	1.213	0.351	0.441	0.056	1.099	1.445	4.811	4.606	16.948	13.256	1.026	0.206
Virgin Islands	May	1.285	0.366	0.371	0.030	2.983	1.620	7.395	6.654	17.535	11.940	0.971	0.741
Virgin Islands	June	1.347	0.403	0.506	0.029	3.157	1.894	7.616	7.338	25.815	18.249	0.622	0.279
Virgin Islands	July	1.226	0.359	0.289	0.012	3.300	2.051	7.698	7.237	26.442	18.744	0.519	0.461
Virgin Islands	August	1.331	0.340	0.353	0.017	4.007	1.333	7.715	7.381	24.835	17.120	0.525	0.334
Virgin Islands	September	1.412	0.301	0.774	0.035	3.567	1.158	7.450	7.247	23.280	15.831	0.889	0.203
Virgin Islands	October	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
Virgin Islands	November	0.824	0.244	0.803	0.070	0.848	1.055	3.407	3.843	11.278	7.871	1.256	-0.436
Virgin Islands	December	0.814	0.198	0.812	0.065	0.174	1.669	3.461	3.731	13.023	9.562	0.665	-0.270
Virgin Islands	Annual	1.127	0.311	0.575	0.044	1.949	1.605	5.788	5.611	18.681	13.124	0.825	0.177
West Texas	January	0.736	0.588	0.611	0.132	0.872	0.026	2.962	2.965	9.369	6.308	1.656	-0.002
West Texas	February	0.825	0.435	0.596	0.103	1.320	0.027	3.454	3.306	11.921	8.377	1.490	0.149
West Texas	March	1.241	0.421	1.020	0.152	2.209	0.042	5.464	5.086	17.563	11.918	2.144	0.378
West Texas	April	1.175	0.349	0.927	0.104	2.663	0.066	5.450	5.285	17.820	12.370	1.728	0.165
West Texas	May	1.569	0.300	1.263	0.128	2.414	0.053	5.966	5.727	18.450	12.343	2.062	0.240
West Texas	June	1.799	0.301	1.919	0.148	1.887	0.049	6.149	6.103	16.672	10.429	2.365	0.046
West Texas	July	1.872	0.287	1.498	0.112	2.502	0.035	6.313	6.306	15.791	9.525	1.897	0.007
West Texas	August	1.797	0.277	1.619	0.139	1.975	0.039	6.040	5.845	13.086	7.721	2.075	0.195
West Texas	September	1.774	0.211	1.555	0.153	0.664	0.033	4.593	4.390	10.551	5.956	1.978	0.204
West Texas	October	1.085	0.228	0.952	0.127	0.693	0.026	3.254	3.111	9.867	6.620	1.692	0.143
West Texas	November	0.913	0.446	0.914	0.140	0.961	0.020	3.370	3.394	10.173	6.806	1.701	-0.024
West Texas	December	0.727	0.611	0.863	0.140	0.838	0.016	3.193	3.194	8.173	5.123	1.899	-0.001
West Texas	Annual	1.300	0.370	1.156	0.133	1.594	0.036	4.710	4.589	13.311	8.631	1.910	0.122
Ontario	January	1.278	2.961	1.135	0.223	0.163	0.150	6.223	5.911	9.301	3.078	2.398	0.313
Ontario	February	1.389	2.959	1.167	0.230	0.160	0.116	5.848	6.020	8.785	2.938	2.454	-0.172
Ontario	March	1.218	1.922	0.972	0.177	0.184	0.111	4.586	4.583	7.889	3.336	1.997	0.004
Ontario	April	1.154	1.033	1.099	0.186	0.263	0.050	3.641	3.785	6.632	3.218	2.198	-0.144
Ontario	May	1.032	0.846	1.767	0.241	0.343	0.043	4.019	4.271	10.744	5.831	2.535	-0.252
Ontario	June	1.018	0.557	2.526	0.232	0.260	0.033	4.803	4.626	12.008	7.205	2.365	0.177
Ontario	July	1.314	0.287	3.383	0.254	0.282	0.037	6.109	5.556	11.303	5.218	2.684	0.553

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Ontario	August	1.257	0.344	3.493	0.341	0.198	0.043	6.329	5.676	10.943	4.487	3.088	0.653
Ontario	September	1.192	0.516	2.346	0.325	0.220	0.041	4.256	4.639	9.789	4.691	3.166	-0.383
Ontario	October	0.933	0.704	1.377	0.218	0.174	0.038	3.299	3.443	6.747	3.392	2.412	-0.144
Ontario	November	0.957	2.181	1.517	0.262	0.176	0.077	4.550	5.170	7.236	2.723	2.698	-0.621
Ontario	December	1.297	3.675	1.518	0.285	0.144	0.094	6.044	7.013	8.387	2.486	2.657	-0.970
Ontario	Annual	1.170	1.499	1.858	0.248	0.214	0.069	4.976	5.058	9.147	4.050	2.554	-0.082
Birmingham AL	January	1.585	1.163	2.627	0.678	0.507	0.214	6.731	6.774	12.836	6.004	6.424	-0.044
Birmingham AL	February	1.859	0.799	2.925	0.637	0.521	0.289	7.082	7.029	13.372	5.994	6.377	0.053
Birmingham AL	March	1.846	0.681	3.375	0.731	0.670	0.177	7.767	7.481	16.717	8.950	6.897	0.286
Birmingham AL	April	1.887	0.497	3.868	0.963	1.165	0.216	8.545	8.595	20.782	12.552	8.578	-0.050
Birmingham AL	May	2.250	0.368	4.529	1.122	1.328	0.167	10.259	9.763	22.471	12.213	8.868	0.496
Birmingham AL	June	1.924	0.307	4.378	0.841	1.610	0.148	9.481	9.209	20.051	10.571	7.652	0.272
Birmingham AL	July	2.239	0.318	4.330	0.746	1.771	0.133	9.668	9.536	19.752	10.541	6.944	0.132
Birmingham AL	August	1.988	0.274	5.035	0.794	1.232	0.106	9.381	9.429	18.590	9.209	7.875	-0.048
Birmingham AL	September	2.209	0.261	5.646	1.182	0.950	0.130	10.126	10.376	24.007	13.866	9.620	-0.250
Birmingham AL	October	1.661	0.353	4.258	1.124	0.858	0.196	8.427	8.450	20.871	12.444	8.137	-0.023
Birmingham AL	November	1.888	0.928	5.836	1.453	0.936	0.417	10.320	11.459	22.025	11.631	9.712	-1.139
Birmingham AL	December	1.483	1.033	3.662	0.871	0.534	0.228	7.151	7.812	13.508	6.478	6.390	-0.661
Birmingham AL	Annual	1.902	0.582	4.206	0.928	1.007	0.202	8.745	8.826	18.749	10.038	7.790	-0.081
Fresno CA	January	1.144	6.911	5.789	0.948	0.476	0.406	14.153	15.674	23.543	6.199	7.499	-1.521
Fresno CA	February	1.006	5.092	5.006	0.817	0.628	0.269	13.172	12.818	23.113	9.019	7.243	0.354
Fresno CA	March	0.920	2.495	3.011	0.424	0.664	0.228	7.213	7.740	16.816	9.603	5.174	-0.527
Fresno CA	April	1.181	1.264	2.589	0.268	0.910	0.278	6.068	6.488	18.296	12.228	3.653	-0.421
Fresno CA	May	1.472	1.279	2.682	0.249	1.037	0.227	6.572	6.945	23.720	17.148	3.676	-0.373
Fresno CA	June	1.460	0.882	3.339	0.263	1.457	0.220	7.332	7.620	28.548	21.217	3.929	-0.289
Fresno CA	July	1.563	0.908	6.102	0.422	1.794	0.140	10.845	10.928	34.385	23.540	5.433	-0.083
Fresno CA	August	1.533	1.078	9.475	0.558	2.767	0.104	15.296	15.515	48.824	33.528	6.456	-0.219
Fresno CA	September	1.241	1.195	5.352	0.407	3.532	0.208	11.217	11.935	53.662	42.445	6.238	-0.718
Fresno CA	October	1.108	2.285	5.830	0.742	3.948	0.166	13.115	14.081	51.830	39.597	8.304	-0.965
Fresno CA	November	1.425	9.398	8.944	1.324	2.857	0.248	20.457	24.195	51.582	29.228	10.391	-3.738
Fresno CA	December	1.159	9.736	8.847	1.478	1.071	0.387	20.844	22.678	35.379	16.968	10.599	-1.835
Fresno CA	Annual	1.268	3.544	5.580	0.658	1.762	0.240	12.190	13.051	34.142	21.727	6.549	-0.861
Puget Sound	January	0.452	1.096	2.697	0.651	0.358	0.268	5.511	5.523	8.737	3.225	7.268	-0.011
Puget Sound	February	0.432	0.923	1.858	0.443	0.279	0.280	3.956	4.215	6.768	2.813	5.286	-0.259
Puget Sound	March	0.457	0.704	1.768	0.432	0.361	0.244	3.823	3.966	7.830	4.007	5.462	-0.143
Puget Sound	April	0.665	0.585	1.701	0.333	0.435	0.369	3.893	4.088	8.449	4.555	4.638	-0.195

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Puget Sound	May	0.880	0.817	2.323	0.413	0.446	0.293	4.974	5.171	11.188	6.214	5.524	-0.197
Puget Sound	June	0.830	0.500	1.939	0.273	0.290	0.275	3.858	4.105	8.834	4.976	3.858	-0.247
Puget Sound	July	1.082	0.487	2.389	0.343	0.342	0.197	4.506	4.838	9.973	5.467	5.192	-0.332
Puget Sound	August	1.286	0.699	8.714	0.664	0.469	0.214	11.441	12.046	16.751	6.597	7.138	-0.605
Puget Sound	September	0.924	0.716	3.542	0.485	0.370	0.203	5.507	6.240	10.877	5.309	5.953	-0.734
Puget Sound	October	0.570	0.726	3.247	0.622	0.365	0.375	5.502	5.904	9.784	4.283	6.630	-0.402
Puget Sound	November	0.501	0.882	3.428	0.656	0.329	0.249	5.203	6.045	8.449	2.957	6.712	-0.842
Puget Sound	December	0.444	1.074	2.917	0.666	0.386	0.347	5.461	5.833	8.126	2.623	6.588	-0.373
Puget Sound	Annual	0.710	0.767	3.043	0.498	0.369	0.276	5.303	5.664	9.647	4.419	5.854	-0.362
Phoenix AZ	January	0.829	2.427	5.841	1.253	1.623	0.364	11.677	12.335	27.196	15.698	12.956	-0.658
Phoenix AZ	February	0.588	1.202	3.689	0.876	1.538	0.165	7.404	8.058	23.972	16.568	9.569	-0.654
Phoenix AZ	March	0.702	0.593	2.733	0.608	2.471	0.149	6.894	7.256	26.202	19.307	7.847	-0.361
Phoenix AZ	April	0.884	0.461	2.234	0.344	3.281	0.189	7.047	7.393	28.012	20.965	5.603	-0.346
Phoenix AZ	May	0.858	0.420	1.995	0.272	3.000	0.355	6.546	6.900	27.573	21.027	4.514	-0.354
Phoenix AZ	June	1.418	0.454	2.523	0.305	2.884	0.455	7.697	8.039	28.346	20.649	5.000	-0.342
Phoenix AZ	July	1.589	0.506	2.155	0.225	2.507	0.303	6.729	7.285	25.564	18.834	4.080	-0.556
Phoenix AZ	August	1.346	0.390	2.403	0.275	2.273	0.191	6.146	6.878	28.105	21.959	4.529	-0.732
Phoenix AZ	September	1.143	0.439	2.653	0.362	2.525	0.236	6.718	7.359	26.488	19.770	5.472	-0.641
Phoenix AZ	October	0.982	0.460	3.379	0.599	2.440	0.171	7.280	8.032	27.562	20.282	7.820	-0.752
Phoenix AZ	November	0.746	0.936	6.040	1.251	2.632	0.184	10.225	11.789	33.701	22.971	12.184	-1.565
Phoenix AZ	December	0.653	2.152	7.565	1.500	2.151	0.255	12.522	14.276	31.353	19.033	15.573	-1.754
Phoenix AZ	Annual	0.978	0.870	3.601	0.656	2.444	0.251	8.074	8.800	27.839	19.755	7.929	-0.726
Baengnyeong Island South Korea	January	5.097	5.622	4.225	0.916	1.426	0.652	19.813	17.938	37.659	17.869	8.662	1.875
Baengnyeong Island South Korea	February	5.846	5.735	4.050	0.896	1.822	0.947	20.953	19.295	43.628	23.917	8.668	1.657
Baengnyeong Island South Korea	March	8.259	13.266	4.793	0.984	2.165	0.915	27.846	30.383	48.565	17.773	10.307	-2.537
Baengnyeong Island South Korea	April	6.688	7.076	3.660	0.844	-999	0.432	-999	-999	46.846	-999	-999	-999
Baengnyeong Island South Korea	May	9.418	5.107	3.191	0.703	3.120	0.459	22.696	21.998	44.274	23.496	7.293	0.698
Baengnyeong Island South Korea	June	11.751	5.313	2.180	0.618	0.969	0.404	-999	21.236	32.888	-999	5.071	-999
Baengnyeong Island South Korea	July	7.486	2.166	1.481	0.414	0.606	0.177	14.277	12.329	21.359	7.556	2.311	1.948
Baengnyeong Island South Korea	August	6.753	1.189	1.801	0.431	0.789	0.214	12.642	11.177	22.036	10.146	2.998	1.464

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Baengnyeong Island South Korea	September	7.470	2.446	3.423	0.701	1.746	0.216	15.691	16.000	29.450	13.759	6.835	-0.309
Baengnyeong Island South Korea	October	4.411	2.454	2.802	0.601	1.804	0.319	12.103	12.391	27.468	15.533	6.238	-0.288
Baengnyeong Island South Korea	November	4.926	4.337	4.277	0.710	1.872	0.503	16.207	16.624	33.977	18.190	6.976	-0.417
Baengnyeong Island South Korea	December	5.708	5.841	4.348	0.907	1.810	0.685	18.782	19.299	35.509	17.386	11.260	-0.517
Baengnyeong Island South Korea	Annual	6.984	5.046	3.353	0.727	1.648	0.493	18.101	18.252	35.305	16.563	6.965	-0.151

Table 3.1.2. CSN 2016-2019 regional, monthly mean mass concentration ($\mu\text{g m}^{-3}$) for ammonium sulfate (AS), ammonium nitrate (AN), particulate organic matter (POM), elemental carbon (EC), fine dust (FD), sea salt (SS), gravimetric $\text{PM}_{2.5}$ (FM), reconstructed fine mass (RCFM). Missing values replaced by “-999”.

Region	Month	AS	AN	POM	EC	FD	SS	FM	RCFM	Residual
Puget Sound	January	0.524	1.219	5.612	1.284	0.387	0.080	10.058	9.107	1.208
Puget Sound	February	0.414	0.899	3.529	0.848	0.332	0.055	6.098	6.078	0.589
Puget Sound	March	0.482	0.829	3.221	0.813	0.428	0.026	5.802	5.799	0.597
Puget Sound	April	0.644	0.493	2.233	0.568	0.457	0.056	4.827	4.451	1.013
Puget Sound	May	0.832	0.748	2.815	0.705	0.438	0.030	5.564	5.568	0.757
Puget Sound	June	0.780	0.461	2.621	0.562	0.420	0.059	4.684	4.902	0.721
Puget Sound	July	0.980	0.424	3.012	0.676	0.430	0.035	5.427	5.556	1.079
Puget Sound	August	1.281	0.647	6.528	0.983	0.518	0.051	9.698	10.008	0.494
Puget Sound	September	0.887	0.601	4.846	0.852	0.470	0.072	7.384	7.727	0.736
Puget Sound	October	0.682	0.934	5.444	1.289	0.469	0.123	8.468	8.941	0.038
Puget Sound	November	0.535	0.896	4.681	1.134	0.306	0.071	7.355	7.624	-0.014
Puget Sound	December	0.488	1.101	4.792	1.307	0.324	0.136	8.664	8.148	0.618
Puget Sound	Annual	0.711	0.771	4.111	0.918	0.415	0.066	7.003	6.992	0.653
Portland	January	0.494	1.049	3.195	0.610	0.208	0.040	6.272	5.596	0.677
Portland	February	0.402	0.998	3.999	0.708	0.225	0.040	6.122	6.371	-0.249
Portland	March	0.448	0.781	3.150	0.609	0.309	0.073	5.034	5.371	-0.337
Portland	April	0.580	0.479	2.366	0.388	0.328	0.064	5.035	4.205	0.831
Portland	May	0.615	0.486	2.294	0.356	0.269	0.054	4.705	4.074	0.631
Portland	June	0.645	0.362	2.221	0.297	0.267	0.092	4.103	3.883	0.219
Portland	July	0.870	0.315	2.156	0.252	0.258	0.048	4.300	3.900	0.400
Portland	August	0.991	0.474	6.516	0.594	0.431	0.050	10.133	9.056	1.077
Portland	September	0.763	0.514	5.046	0.577	0.369	0.058	7.520	7.327	0.193
Portland	October	0.533	0.667	5.777	0.923	0.322	0.080	8.318	8.303	0.016
Portland	November	0.571	1.080	6.897	1.223	0.251	0.043	9.861	10.064	-0.203
Portland	December	0.617	1.542	6.009	1.267	0.210	0.109	10.726	9.753	0.973
Portland	Annual	0.627	0.729	4.135	0.650	0.287	0.063	6.844	6.492	0.352
Northwest	January	0.494	3.411	5.435	1.117	0.295	0.028	12.070	10.779	1.291
Northwest	February	0.509	2.033	2.960	0.722	0.368	0.009	7.111	6.601	0.510
Northwest	March	0.291	0.870	1.993	0.506	0.357	0.003	4.299	4.021	0.278
Northwest	April	0.498	0.348	1.510	0.317	0.514	0.001	3.245	3.187	0.058
Northwest	May	0.501	0.286	1.803	0.266	0.583	0.003	3.781	3.442	0.340
Northwest	June	0.340	0.183	2.215	0.277	0.694	0.002	3.860	3.711	0.150
Northwest	July	0.537	0.181	3.978	0.447	0.838	0.020	7.104	6.001	1.103
Northwest	August	0.589	0.266	8.429	0.889	1.014	0.006	13.991	11.192	2.799
Northwest	September	0.374	0.299	5.335	0.636	0.695	0.006	6.875	7.344	-0.469

Region	Month	AS	AN	POM	EC	FD	SS	FM	RCFM	Residual
Northwest	October	0.359	0.705	3.442	0.700	0.511	0.008	5.789	5.725	0.064
Northwest	November	0.454	1.624	5.039	1.223	0.447	0.022	9.094	8.808	0.286
Northwest	December	0.432	2.339	4.471	1.152	0.345	0.036	9.740	8.775	0.965
Northwest	Annual	0.448	1.045	3.884	0.688	0.555	0.012	7.247	6.632	0.615
North Dakota	January	1.030	1.940	0.947	0.200	0.152	0.001	5.726	4.269	1.457
North Dakota	February	1.214	2.644	0.894	0.177	0.191	0.001	6.661	5.121	1.540
North Dakota	March	1.391	2.924	0.946	0.210	0.289	0.004	7.604	5.763	1.842
North Dakota	April	0.979	0.980	1.088	0.198	0.366	-0.001	4.444	3.608	0.836
North Dakota	May	0.928	0.806	2.104	0.255	0.700	0.001	5.563	4.793	0.770
North Dakota	June	0.733	0.313	1.901	0.203	1.059	0.001	5.225	4.210	1.015
North Dakota	July	0.926	0.188	2.653	0.228	0.776	0.012	5.840	4.783	1.057
North Dakota	August	0.909	0.236	4.709	0.379	0.761	0.000	7.895	6.993	0.902
North Dakota	September	0.674	0.215	4.070	0.268	0.529	0.002	6.278	5.757	0.521
North Dakota	October	0.661	0.308	1.268	0.201	0.486	-0.001	3.818	2.924	0.894
North Dakota	November	0.991	1.233	1.170	0.207	0.204	-0.001	5.520	3.803	1.717
North Dakota	December	0.904	1.430	1.007	0.218	0.272	0.005	4.647	3.835	0.811
North Dakota	Annual	0.945	1.101	1.896	0.229	0.482	0.002	5.768	4.655	1.113
Sacramento/Central Valley CA	January	1.013	6.812	6.604	1.223	0.386	0.098	16.117	16.136	-0.019
Sacramento/Central Valley CA	February	0.868	4.542	5.272	0.921	0.424	0.044	11.118	12.070	-0.952
Sacramento/Central Valley CA	March	0.851	2.339	3.351	0.548	0.480	0.012	7.165	7.582	-0.416
Sacramento/Central Valley CA	April	1.090	1.134	2.607	0.380	0.743	0.045	6.446	5.998	0.448
Sacramento/Central Valley CA	May	1.356	1.024	2.485	0.312	0.668	0.051	7.026	5.896	1.130
Sacramento/Central Valley CA	June	1.454	0.761	3.667	0.411	1.080	0.139	8.558	7.512	1.046
Sacramento/Central Valley CA	July	1.497	0.716	5.361	0.546	1.309	0.104	10.323	9.533	0.791
Sacramento/Central Valley CA	August	1.525	0.875	8.095	0.685	1.802	0.040	12.747	13.022	-0.275
Sacramento/Central Valley CA	September	1.141	0.928	5.713	0.586	1.905	0.089	10.246	10.361	-0.116
Sacramento/Central Valley CA	October	0.989	1.945	6.026	0.915	2.232	0.031	10.943	12.138	-1.194

Region	Month	AS	AN	POM	EC	FD	SS	FM	RCFM	Residual
Sacramento/Central Valley CA	November	1.200	7.357	10.672	1.777	1.378	0.048	21.813	22.432	-0.619
Sacramento/Central Valley CA	December	1.034	9.099	8.285	1.785	0.642	0.075	23.269	20.921	2.349
Sacramento/Central Valley CA	Annual	1.168	3.128	5.678	0.841	1.087	0.065	12.148	11.967	0.181
San Jose	January	0.652	2.729	4.963	0.824	0.458	0.213	10.574	9.838	0.737
San Jose	February	0.430	1.242	3.566	0.516	0.454	0.136	6.608	6.343	0.265
San Jose	March	0.542	1.032	2.850	0.408	0.420	0.113	6.206	5.365	0.841
San Jose	April	0.867	0.995	2.527	0.279	0.501	0.577	6.926	5.747	1.180
San Jose	May	1.061	1.179	2.398	0.225	0.314	0.400	6.776	5.577	1.199
San Jose	June	1.212	1.280	2.989	0.265	0.358	0.689	7.905	6.793	1.112
San Jose	July	1.345	1.188	3.196	0.314	0.338	0.368	8.098	6.749	1.349
San Jose	August	1.508	1.479	5.523	0.442	0.368	0.155	10.031	9.475	0.557
San Jose	September	1.125	1.210	5.882	0.529	0.540	0.285	10.333	9.571	0.761
San Jose	October	0.932	1.561	5.309	0.708	0.780	0.276	9.765	9.565	0.200
San Jose	November	0.933	4.094	9.863	1.250	0.902	0.121	14.761	17.163	-2.402
San Jose	December	0.504	3.325	6.041	1.180	0.611	0.077	12.078	11.739	0.339
San Jose	Annual	0.926	1.776	4.592	0.578	0.504	0.284	9.172	8.660	0.512
Los Angeles	January	0.541	4.067	4.558	1.051	0.885	0.055	11.603	11.157	0.446
Los Angeles	February	0.597	3.811	3.867	0.860	0.868	0.044	9.801	10.047	-0.247
Los Angeles	March	1.153	4.120	3.429	0.757	0.845	0.085	10.235	10.389	-0.154
Los Angeles	April	1.626	3.578	3.053	0.606	1.024	0.079	10.597	9.965	0.632
Los Angeles	May	1.886	3.858	2.632	0.454	0.590	0.060	9.961	9.480	0.480
Los Angeles	June	2.908	5.527	4.536	0.631	0.728	0.055	12.706	14.385	-1.679
Los Angeles	July	3.607	3.478	4.502	0.611	0.885	0.131	13.700	13.214	0.486
Los Angeles	August	2.833	3.572	5.925	0.768	0.866	0.027	13.448	13.991	-0.543
Los Angeles	September	2.042	2.985	4.849	0.769	1.207	0.051	11.894	11.904	-0.010
Los Angeles	October	1.634	3.824	5.093	1.009	1.496	0.076	12.913	13.132	-0.219
Los Angeles	November	1.050	4.151	5.858	1.338	1.451	0.045	13.740	13.892	-0.152
Los Angeles	December	0.608	4.884	4.986	1.342	1.182	0.032	13.237	13.033	0.204
Los Angeles	Annual	1.707	3.988	4.441	0.850	1.002	0.062	11.986	12.049	-0.063
San Diego	January	0.510	2.065	5.884	1.064	0.511	0.135	9.954	10.170	-0.216
San Diego	February	0.548	1.952	3.694	0.667	0.393	0.086	7.093	7.340	-0.247
San Diego	March	0.885	1.601	2.781	0.532	0.440	0.123	6.254	6.361	-0.107
San Diego	April	1.554	1.992	2.113	0.336	0.665	0.229	7.644	6.890	0.755
San Diego	May	1.193	1.319	1.551	0.208	0.307	0.172	5.420	4.751	0.670

Region	Month	AS	AN	POM	EC	FD	SS	FM	RCFM	Residual
San Diego	June	2.366	2.348	2.812	0.341	0.438	0.119	9.045	8.424	0.621
San Diego	July	3.005	2.098	3.190	0.395	0.435	0.133	10.044	9.256	0.788
San Diego	August	2.570	1.872	4.743	0.490	0.491	0.055	11.106	10.222	0.883
San Diego	September	1.944	1.711	3.568	0.418	0.647	0.144	9.593	8.432	1.161
San Diego	October	1.446	1.765	4.067	0.627	0.797	0.151	8.945	8.852	0.093
San Diego	November	1.006	2.060	5.411	1.010	0.818	0.075	9.842	10.381	-0.539
San Diego	December	0.534	2.268	6.770	1.469	0.701	0.105	11.447	11.847	-0.400
San Diego	Annual	1.463	1.921	3.882	0.630	0.554	0.127	8.866	8.577	0.289
NW Nevada	January	0.196	1.897	3.707	0.884	0.562	0.012	7.290	7.258	0.032
NW Nevada	February	0.209	1.122	2.411	0.580	0.579	0.008	4.633	4.909	-0.276
NW Nevada	March	0.313	0.703	1.891	0.435	0.599	0.003	3.600	3.944	-0.344
NW Nevada	April	0.519	0.325	1.468	0.290	0.673	0.001	3.453	3.276	0.176
NW Nevada	May	0.530	0.252	1.979	0.287	0.664	0.002	3.923	3.714	0.210
NW Nevada	June	0.506	0.240	3.017	0.328	0.733	0.005	4.643	4.829	-0.186
NW Nevada	July	0.802	0.276	5.676	0.509	0.617	0.005	7.063	7.886	-0.823
NW Nevada	August	0.673	0.271	6.925	0.631	0.674	0.004	9.461	9.176	0.284
NW Nevada	September	0.485	0.272	4.351	0.562	0.754	0.006	6.218	6.429	-0.211
NW Nevada	October	0.423	0.485	3.986	0.787	0.810	0.006	5.376	6.497	-1.121
NW Nevada	November	0.336	0.961	3.953	0.929	0.758	0.005	5.893	6.941	-1.049
NW Nevada	December	0.244	2.031	4.075	1.107	0.520	0.010	7.859	7.986	-0.127
NW Nevada	Annual	0.436	0.736	3.620	0.611	0.662	0.006	5.784	6.070	-0.286
Las Vegas	January	0.410	1.634	6.122	1.333	1.454	0.041	10.611	10.995	-0.384
Las Vegas	February	0.419	0.790	3.098	0.702	1.233	0.030	6.306	6.273	0.033
Las Vegas	March	0.547	0.402	2.572	0.591	1.501	0.026	5.238	5.639	-0.401
Las Vegas	April	0.674	0.281	2.008	0.353	1.431	0.014	4.990	4.761	0.230
Las Vegas	May	0.809	0.371	2.016	0.306	1.295	0.036	4.901	4.832	0.069
Las Vegas	June	1.062	0.287	3.079	0.448	2.061	0.093	6.378	7.030	-0.652
Las Vegas	July	1.442	0.329	2.698	0.319	1.861	0.131	7.641	6.780	0.861
Las Vegas	August	1.288	0.300	3.233	0.510	1.798	0.049	7.331	7.177	0.154
Las Vegas	September	0.873	0.276	3.346	0.567	1.751	0.051	6.765	6.865	-0.100
Las Vegas	October	0.770	0.401	-999	-999	2.237	0.042	7.944	-999	-999
Las Vegas	November	0.599	0.911	7.078	1.363	2.132	0.050	10.986	12.134	-1.148
Las Vegas	December	0.449	1.980	7.438	2.010	1.514	0.063	12.661	13.453	-0.793
Las Vegas	Annual	0.779	0.664	3.881	0.773	1.689	0.052	7.646	7.813	-0.194
Utah	January	1.124	8.622	2.654	0.708	0.446	0.121	15.577	13.674	1.902
Utah	February	0.697	4.415	1.682	0.436	0.525	0.056	5.960	7.811	-1.851

Region	Month	AS	AN	POM	EC	FD	SS	FM	RCFM	Residual
Utah	March	0.449	1.680	1.290	0.349	0.651	0.009	4.256	4.428	-0.172
Utah	April	0.506	0.536	1.253	0.256	0.933	0.006	3.462	3.489	-0.027
Utah	May	0.592	0.377	1.346	0.242	0.878	0.011	4.539	3.446	1.093
Utah	June	0.620	0.257	2.366	0.304	1.624	0.045	7.143	5.217	1.926
Utah	July	0.926	0.285	3.667	0.396	1.374	0.069	8.221	6.717	1.504
Utah	August	0.803	0.337	5.109	0.521	1.361	0.054	10.272	8.185	2.087
Utah	September	0.606	0.459	3.879	0.466	0.954	0.025	6.991	6.388	0.603
Utah	October	0.527	1.077	2.179	0.463	1.113	0.011	5.368	5.369	-0.002
Utah	November	0.526	2.637	2.576	0.678	0.833	0.020	7.152	7.268	-0.116
Utah	December	0.913	6.089	2.579	0.778	0.607	0.202	12.760	11.167	1.592
Utah	Annual	0.691	2.231	2.548	0.466	0.942	0.052	7.642	6.930	0.712
Front Range CO	January	0.589	2.890	3.010	0.945	1.064	0.063	8.878	8.562	0.317
Front Range CO	February	0.855	2.775	1.852	0.613	0.834	0.022	7.031	6.951	0.081
Front Range CO	March	0.654	1.916	1.513	0.484	0.955	0.016	5.082	5.538	-0.455
Front Range CO	April	0.615	0.955	1.385	0.391	0.995	0.004	4.128	4.345	-0.217
Front Range CO	May	0.623	0.828	1.609	0.386	0.812	0.002	4.216	4.259	-0.043
Front Range CO	June	0.728	0.564	2.837	0.461	1.511	0.009	6.721	6.111	0.611
Front Range CO	July	0.816	0.545	3.649	0.567	1.468	0.009	7.506	7.054	0.452
Front Range CO	August	0.780	0.572	4.669	0.645	1.207	0.009	8.123	7.882	0.241
Front Range CO	September	0.622	0.477	4.934	0.628	1.401	0.011	7.685	8.073	-0.387
Front Range CO	October	0.561	1.101	2.467	0.706	1.275	0.008	6.322	6.117	0.205
Front Range CO	November	0.587	2.131	2.665	0.831	1.165	0.015	7.299	7.394	-0.095
Front Range CO	December	0.646	2.183	2.551	0.880	1.141	0.041	7.819	7.443	0.376
Front Range CO	Annual	0.673	1.412	2.762	0.628	1.152	0.017	6.734	6.644	0.090
Phoenix/Tucson	January	0.589	1.618	5.128	1.098	0.868	0.076	7.973	9.378	-1.405
Phoenix/Tucson	February	0.493	0.951	3.246	0.820	0.996	0.017	6.217	6.523	-0.305
Phoenix/Tucson	March	0.624	0.443	2.263	0.610	1.372	0.042	6.180	5.355	0.825
Phoenix/Tucson	April	0.818	0.360	1.964	0.427	1.940	0.070	6.073	5.577	0.496
Phoenix/Tucson	May	0.727	0.323	1.716	0.335	1.517	0.151	5.875	4.768	1.107
Phoenix/Tucson	June	1.274	0.340	2.550	0.396	1.646	0.175	7.136	6.379	0.757
Phoenix/Tucson	July	1.447	0.350	2.061	0.358	1.376	0.083	6.192	5.674	0.518
Phoenix/Tucson	August	1.201	0.302	2.164	0.391	1.119	0.030	5.423	5.208	0.215
Phoenix/Tucson	September	1.024	0.319	2.363	0.401	1.302	0.048	5.328	5.457	-0.129
Phoenix/Tucson	October	0.868	0.327	2.814	0.631	1.555	0.035	6.274	6.228	0.046
Phoenix/Tucson	November	0.596	0.544	4.548	1.249	1.565	0.018	8.449	8.521	-0.072
Phoenix/Tucson	December	0.500	1.531	5.231	1.543	1.149	0.021	10.556	9.976	0.580

Region	Month	AS	AN	POM	EC	FD	SS	FM	RCFM	Residual
Phoenix/Tucson	Annual	0.847	0.617	3.004	0.688	1.367	0.064	6.806	6.587	0.219
Albuquerque	January	0.341	1.112	3.245	0.810	0.492	0.004	-999	6.005	-999
Albuquerque	February	0.390	0.675	2.137	0.541	0.634	0.002	-999	4.377	-999
Albuquerque	March	0.525	0.371	1.464	0.340	0.865	0.002	-999	3.567	-999
Albuquerque	April	0.595	0.277	1.320	0.269	1.103	0.002	-999	3.567	-999
Albuquerque	May	0.587	0.204	1.516	0.237	0.925	0.012	-999	3.480	-999
Albuquerque	June	0.885	0.222	2.945	0.332	1.130	0.010	-999	5.523	-999
Albuquerque	July	0.983	0.206	2.368	0.263	0.880	0.023	-999	4.721	-999
Albuquerque	August	0.826	0.210	2.584	0.335	0.582	0.001	-999	4.539	-999
Albuquerque	September	0.728	0.174	2.303	0.344	0.621	0.002	-999	4.171	-999
Albuquerque	October	0.577	0.239	1.940	0.413	0.691	0.003	-999	3.864	-999
Albuquerque	November	0.405	0.680	3.575	0.911	0.670	0.003	-999	6.244	-999
Albuquerque	December	0.346	1.085	3.997	1.092	0.546	0.005	-999	7.071	-999
Albuquerque	Annual	0.599	0.455	2.450	0.491	0.762	0.006	-999	4.761	-999
West Texas	January	0.599	1.143	3.220	0.913	1.354	0.040	7.409	7.269	0.140
West Texas	February	0.636	0.641	3.138	0.857	1.889	0.030	8.883	7.191	1.692
West Texas	March	0.754	0.382	2.291	0.616	3.248	0.051	10.264	7.342	2.922
West Texas	April	0.921	0.328	1.965	0.436	3.338	0.068	10.243	7.055	3.188
West Texas	May	0.914	0.254	1.732	0.345	3.205	0.072	10.301	6.522	3.779
West Texas	June	1.358	0.367	2.872	0.474	2.017	0.047	9.328	7.134	2.194
West Texas	July	1.456	0.251	2.300	0.396	2.086	0.019	7.903	6.508	1.395
West Texas	August	1.388	0.254	2.306	0.434	1.093	0.008	6.315	5.483	0.832
West Texas	September	1.567	0.243	2.871	0.586	1.193	0.020	7.693	6.479	1.215
West Texas	October	1.041	0.319	2.784	0.766	1.899	0.033	6.650	6.841	-0.191
West Texas	November	0.737	0.702	3.447	0.999	1.908	0.037	8.064	7.830	0.234
West Texas	December	0.587	1.242	3.913	1.179	1.571	0.045	8.733	8.537	0.196
West Texas	Annual	0.996	0.511	2.737	0.667	2.067	0.039	8.482	7.016	1.466
Dallas	January	1.205	2.061	2.708	0.667	0.922	0.019	7.211	7.583	-0.371
Dallas	February	2.106	2.137	2.087	0.494	0.510	0.021	7.869	7.356	0.514
Dallas	March	1.677	0.860	3.087	0.618	0.930	0.017	7.449	7.187	0.262
Dallas	April	1.666	0.726	2.997	0.556	1.274	0.020	7.601	7.239	0.362
Dallas	May	2.097	0.635	2.579	0.431	0.945	0.043	7.826	6.729	1.097
Dallas	June	2.413	0.586	2.866	0.383	1.883	0.096	9.565	8.228	1.337
Dallas	July	2.402	0.589	3.516	0.378	4.754	0.100	12.873	11.737	1.136
Dallas	August	2.231	0.488	3.988	0.449	2.190	0.051	10.298	9.397	0.901
Dallas	September	2.374	0.403	3.854	0.608	1.217	0.028	8.921	8.484	0.438

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Dallas	October	1.478	0.475	3.541	0.678	0.777	0.032	7.110	6.980	0.130
Dallas	November	1.509	1.074	3.955	0.805	0.859	0.008	8.388	8.210	0.178
Dallas	December	1.590	2.089	3.439	0.969	0.782	0.017	8.454	8.888	-0.434
Dallas	Annual	1.896	1.010	3.218	0.586	1.420	0.038	8.631	8.168	0.462
East Texas/Gulf	January	1.792	1.071	2.507	0.549	0.414	0.100	6.922	6.433	0.328
East Texas/Gulf	February	2.377	0.845	2.114	0.462	0.468	0.198	7.276	6.464	0.338
East Texas/Gulf	March	2.918	0.719	2.737	0.514	0.584	0.195	8.788	7.665	1.006
East Texas/Gulf	April	2.279	0.635	2.797	0.519	0.720	0.145	8.613	7.094	1.159
East Texas/Gulf	May	2.466	0.526	2.633	0.493	0.968	0.269	8.945	7.356	0.827
East Texas/Gulf	June	2.281	0.467	2.724	0.369	2.552	0.330	10.506	8.722	0.907
East Texas/Gulf	July	2.621	0.440	2.537	0.383	4.037	0.203	11.623	10.220	0.869
East Texas/Gulf	August	2.385	0.355	2.849	0.449	2.262	0.127	8.410	8.427	-0.017
East Texas/Gulf	September	2.294	0.356	3.707	0.587	0.735	0.063	10.420	7.741	1.792
East Texas/Gulf	October	1.797	0.501	3.584	0.621	0.560	0.080	9.714	7.144	2.128
East Texas/Gulf	November	2.094	1.065	4.442	0.799	0.528	0.076	9.443	9.006	-0.524
East Texas/Gulf	December	1.839	1.049	3.480	0.744	0.438	0.090	7.584	7.639	-0.197
East Texas/Gulf	Annual	2.262	0.669	3.009	0.541	1.189	0.156	9.156	7.826	0.811
MidSouth	January	1.173	1.571	2.524	0.482	0.277	0.010	6.678	6.037	0.642
MidSouth	February	1.597	1.483	2.645	0.452	0.329	0.006	6.893	6.512	0.381
MidSouth	March	1.574	0.993	3.243	0.546	0.451	0.006	7.644	6.812	0.832
MidSouth	April	1.333	0.567	3.179	0.496	0.488	0.004	6.850	6.067	0.783
MidSouth	May	1.803	0.308	2.773	0.384	0.580	0.012	7.531	5.859	1.672
MidSouth	June	1.918	0.320	3.511	0.389	1.295	0.016	8.945	7.448	1.497
MidSouth	July	2.054	0.322	3.853	0.372	2.827	0.042	11.374	9.471	1.904
MidSouth	August	1.859	0.229	4.087	0.449	0.984	0.006	9.331	7.614	1.718
MidSouth	September	1.980	0.227	4.132	0.528	0.747	0.003	9.226	7.616	1.610
MidSouth	October	1.204	0.328	3.693	0.535	0.443	0.003	6.886	6.206	0.680
MidSouth	November	1.389	0.824	4.124	0.620	0.417	0.004	8.003	7.378	0.625
MidSouth	December	1.324	1.481	3.119	0.594	0.353	0.004	7.373	6.875	0.498
MidSouth	Annual	1.601	0.721	3.407	0.487	0.766	0.010	8.061	6.991	1.070
Central US	January	1.307	3.230	2.254	0.412	0.338	0.034	9.964	7.574	2.184
Central US	February	1.421	3.700	2.068	0.392	0.451	0.035	9.272	8.067	1.083
Central US	March	1.293	2.316	2.375	0.405	0.423	0.010	7.196	6.822	0.539
Central US	April	1.183	1.510	2.512	0.467	0.563	0.005	6.814	6.241	0.788
Central US	May	1.248	0.847	2.652	0.420	0.606	0.003	6.362	5.775	0.565
Central US	June	1.200	0.430	3.350	0.410	0.816	0.003	6.479	6.210	0.414

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Central US	July	1.497	0.389	4.103	0.448	1.009	0.029	8.138	7.474	0.939
Central US	August	1.519	0.344	4.504	0.532	0.567	0.002	7.924	7.468	0.522
Central US	September	1.689	0.425	3.652	0.511	0.629	0.003	7.762	6.909	0.751
Central US	October	0.881	0.652	2.530	0.422	0.597	0.008	5.182	5.090	-0.202
Central US	November	1.020	2.003	2.739	0.482	0.619	0.014	7.662	6.875	0.468
Central US	December	1.186	3.180	2.551	0.523	0.481	0.023	9.208	7.944	0.674
Central US	Annual	1.287	1.586	2.941	0.452	0.592	0.014	7.804	6.871	0.740
Chicago	January	1.688	4.330	2.270	0.465	0.450	0.067	10.583	9.269	1.314
Chicago	February	1.659	4.248	2.182	0.484	0.541	0.064	9.947	9.177	0.801
Chicago	March	1.273	2.273	1.751	0.381	0.427	0.021	6.498	6.125	0.373
Chicago	April	1.477	2.135	2.223	0.564	0.583	0.009	7.384	6.811	0.388
Chicago	May	1.682	1.530	2.678	0.619	0.639	0.005	6.990	7.153	-0.163
Chicago	June	1.284	0.855	3.337	0.579	0.679	0.005	7.293	6.737	0.825
Chicago	July	1.835	0.592	4.070	0.676	0.761	0.011	9.353	7.944	1.409
Chicago	August	1.425	0.561	4.280	0.821	0.613	0.003	8.721	7.743	1.185
Chicago	September	1.798	0.559	3.446	0.785	0.635	0.004	7.893	7.230	0.577
Chicago	October	1.012	0.999	2.458	0.553	0.462	0.009	5.788	5.494	0.185
Chicago	November	1.319	3.151	3.252	0.646	0.469	0.048	10.276	8.885	1.416
Chicago	December	1.427	4.285	2.587	0.618	0.452	0.058	11.218	9.427	1.398
Chicago	Annual	1.490	2.127	2.845	0.587	0.559	0.025	8.560	7.742	0.840
Ohio River Valley	January	2.212	3.247	2.751	0.642	0.325	0.089	9.867	9.267	0.208
Ohio River Valley	February	2.079	2.903	3.081	0.766	0.422	0.071	10.023	9.321	0.281
Ohio River Valley	March	1.650	1.740	2.161	0.520	0.335	0.032	6.706	6.438	0.067
Ohio River Valley	April	1.555	0.969	2.390	0.561	0.486	0.019	6.436	5.979	0.228
Ohio River Valley	May	2.032	0.745	3.177	0.688	0.517	0.021	8.317	7.180	0.881
Ohio River Valley	June	1.907	0.437	3.776	0.630	0.576	0.015	8.263	7.342	0.765
Ohio River Valley	July	2.464	0.405	4.614	0.777	0.510	0.040	10.145	8.811	1.156
Ohio River Valley	August	2.121	0.364	4.168	0.750	0.445	0.018	8.856	7.867	0.800
Ohio River Valley	September	1.922	0.374	3.835	0.785	0.449	0.034	8.152	7.399	0.476
Ohio River Valley	October	1.419	0.649	3.303	0.750	0.402	0.030	6.687	6.553	-0.121
Ohio River Valley	November	1.723	2.144	4.466	0.949	0.440	0.069	10.114	9.791	-0.170
Ohio River Valley	December	1.873	3.273	3.062	0.846	0.393	0.092	10.192	9.537	0.386
Ohio River Valley	Annual	1.913	1.438	3.399	0.722	0.442	0.044	8.647	7.957	0.413
Michigan/Great Lakes	January	1.788	4.022	2.545	0.539	0.720	0.103	11.467	9.716	1.601
Michigan/Great Lakes	February	1.906	4.271	2.620	0.559	0.869	0.099	11.497	10.323	1.050
Michigan/Great Lakes	March	1.380	2.019	1.943	0.431	0.705	0.041	7.320	6.517	0.705

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Michigan/Great Lakes	April	1.380	1.608	2.080	0.490	0.860	0.014	6.870	6.434	0.423
Michigan/Great Lakes	May	1.702	1.281	3.203	0.736	1.159	0.025	8.730	8.106	0.675
Michigan/Great Lakes	June	1.545	0.759	3.867	0.658	1.299	0.020	8.637	8.148	0.462
Michigan/Great Lakes	July	2.050	0.567	4.994	0.812	1.257	0.027	10.924	9.707	1.193
Michigan/Great Lakes	August	1.755	0.511	4.434	0.687	0.980	0.023	9.624	8.205	0.997
Michigan/Great Lakes	September	1.664	0.531	3.812	0.836	1.072	0.027	8.421	7.942	0.428
Michigan/Great Lakes	October	1.264	0.899	2.758	0.674	0.985	0.035	6.807	6.617	0.213
Michigan/Great Lakes	November	1.322	2.421	3.183	0.646	0.896	0.062	9.558	8.418	0.799
Michigan/Great Lakes	December	1.632	4.120	2.756	0.659	0.790	0.082	11.835	10.039	1.795
Michigan/Great Lakes	Annual	1.616	1.917	3.177	0.649	0.966	0.046	9.307	8.171	0.868
Northeast	January	1.223	2.138	2.440	0.562	0.292	0.058	7.413	6.713	0.572
Northeast	February	1.304	2.424	2.312	0.549	0.309	0.034	7.684	6.931	0.633
Northeast	March	1.100	1.288	1.631	0.380	0.324	0.027	5.455	4.750	0.678
Northeast	April	1.020	0.875	1.573	0.346	0.349	0.017	4.724	4.181	0.485
Northeast	May	1.062	0.809	2.366	0.453	0.387	0.006	5.868	5.083	0.746
Northeast	June	1.151	0.528	3.539	0.510	0.397	0.011	6.831	6.135	0.640
Northeast	July	1.446	0.396	4.087	0.609	0.391	0.021	8.146	6.979	1.093
Northeast	August	1.328	0.360	3.965	0.586	0.408	0.009	7.719	6.655	0.980
Northeast	September	0.973	0.397	2.994	0.546	0.404	0.015	5.757	5.330	0.317
Northeast	October	0.858	0.602	2.441	0.537	0.319	0.021	4.969	4.777	0.089
Northeast	November	0.924	1.209	2.804	0.614	0.331	0.014	6.178	5.895	0.116
Northeast	December	1.201	2.454	2.563	0.673	0.260	0.031	7.836	7.182	0.450
Northeast	Annual	1.133	1.123	2.717	0.529	0.348	0.022	6.548	5.955	0.562
New York City	January	1.246	2.689	3.116	0.884	0.397	0.049	8.744	8.381	0.363
New York City	February	1.291	2.749	3.011	0.801	0.389	0.039	8.734	8.280	0.454
New York City	March	1.356	1.975	2.456	0.712	0.390	0.041	6.934	6.931	0.003
New York City	April	1.099	1.403	2.439	0.621	0.474	0.025	6.344	6.061	0.284
New York City	May	1.125	1.406	3.236	0.765	0.473	0.015	7.362	7.020	0.343
New York City	June	1.187	0.992	4.526	0.819	0.525	0.018	8.098	8.066	0.032
New York City	July	1.544	0.620	4.724	0.906	0.526	0.052	9.382	8.370	1.011
New York City	August	1.442	0.551	4.757	0.856	0.518	0.012	8.666	8.136	0.529
New York City	September	1.048	0.692	3.616	0.727	0.573	0.032	6.779	6.687	0.093
New York City	October	0.990	0.985	3.270	0.812	0.393	0.040	6.369	6.490	-0.121
New York City	November	1.079	1.546	3.509	0.968	0.440	0.021	7.194	7.563	-0.369
New York City	December	1.261	2.839	2.745	0.988	0.375	0.025	8.448	8.233	0.215
New York City	Annual	1.223	1.537	3.450	0.821	0.456	0.031	7.755	7.518	0.237

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Washington DC/ Philadelphia Corridor	January	1.469	2.696	2.915	0.763	0.378	0.080	9.291	8.301	1.106
Washington DC/ Philadelphia Corridor	February	1.475	3.229	2.948	0.729	0.417	0.084	10.249	8.882	1.378
Washington DC/ Philadelphia Corridor	March	1.422	1.660	2.034	0.487	0.411	0.057	6.813	6.070	0.651
Washington DC/ Philadelphia Corridor	April	1.283	1.021	1.927	0.429	0.547	0.111	6.185	5.317	0.798
Washington DC/ Philadelphia Corridor	May	1.446	1.075	2.618	0.534	0.492	0.020	6.751	6.185	0.613
Washington DC/ Philadelphia Corridor	June	1.496	0.542	4.076	0.657	0.551	0.013	8.188	7.335	0.926
Washington DC/ Philadelphia Corridor	July	1.824	0.386	4.133	0.629	0.489	0.020	8.897	7.480	1.426
Washington DC/ Philadelphia Corridor	August	1.650	0.420	4.070	0.642	0.510	0.013	8.610	7.305	1.337
Washington DC/ Philadelphia Corridor	September	1.356	0.514	3.337	0.647	0.540	0.022	7.330	6.415	0.934
Washington DC/ Philadelphia Corridor	October	1.035	0.707	2.659	0.626	0.391	0.055	5.568	5.472	0.155
Washington DC/ Philadelphia Corridor	November	1.156	1.523	3.616	0.840	0.505	0.063	7.503	7.703	-0.251
Washington DC/ Philadelphia Corridor	December	1.425	3.385	3.276	0.942	0.412	0.124	10.709	9.565	1.087
Washington DC/ Philadelphia Corridor	Annual	1.420	1.430	3.134	0.660	0.470	0.055	8.010	7.169	0.854
Southeast	January	1.193	1.027	3.819	0.687	0.321	0.012	7.666	7.059	0.614
Southeast	February	1.439	0.772	3.982	0.709	0.319	0.027	8.069	7.248	0.821
Southeast	March	1.467	0.660	3.609	0.600	0.382	0.030	7.662	6.749	0.927
Southeast	April	1.394	0.412	3.375	0.586	0.576	0.014	7.459	6.356	1.092
Southeast	May	1.675	0.313	3.652	0.541	0.691	0.021	8.485	6.893	1.663
Southeast	June	1.443	0.247	4.066	0.468	0.937	0.011	8.408	7.172	1.236
Southeast	July	1.560	0.232	4.071	0.462	1.228	0.009	8.941	7.561	1.388
Southeast	August	1.419	0.191	4.359	0.517	0.701	0.008	8.385	7.195	1.207
Southeast	September	1.637	0.216	4.757	0.711	0.527	0.007	9.080	7.855	1.248
Southeast	October	1.190	0.291	3.963	0.663	0.445	0.032	7.419	6.582	0.848
Southeast	November	1.279	0.702	6.106	0.931	0.433	0.013	9.864	9.462	0.400
Southeast	December	1.199	0.937	3.311	0.643	0.244	0.010	7.151	6.342	0.830
Southeast	Annual	1.408	0.500	4.089	0.626	0.567	0.016	8.216	7.206	1.023

Region	Month	AS	AN	POM	EC	FD	SS	FM	RCFM	Residual
Florida	January	1.172	0.496	2.704	0.507	0.261	0.456	6.657	5.595	1.062
Florida	February	1.479	0.542	2.217	0.407	0.229	0.659	6.679	5.534	1.146
Florida	March	1.614	0.538	2.309	0.408	0.330	0.374	6.852	5.573	1.279
Florida	April	1.724	0.496	2.027	0.327	0.425	0.264	6.925	5.263	1.661
Florida	May	1.897	0.420	1.866	0.300	0.783	0.359	7.263	5.624	1.638
Florida	June	1.705	0.394	1.821	0.290	1.568	0.240	7.395	6.017	1.378
Florida	July	1.764	0.400	2.006	0.287	2.388	0.250	7.878	7.095	0.783
Florida	August	1.341	0.290	1.633	0.260	1.586	0.242	6.210	5.352	0.859
Florida	September	1.791	0.297	2.088	0.356	0.756	0.254	6.513	5.541	0.972
Florida	October	1.379	0.326	1.627	0.334	0.730	0.551	6.063	4.947	1.116
Florida	November	1.281	0.446	3.263	0.568	0.256	0.254	6.574	6.068	0.506
Florida	December	1.324	0.508	2.147	0.467	0.226	0.422	6.186	5.094	1.093
Florida	Annual	1.539	0.429	2.142	0.376	0.795	0.361	6.766	5.642	1.124
Alaska	January	4.762	1.241	8.113	1.959	0.289	0.100	19.032	16.465	2.568
Alaska	February	4.233	1.627	4.844	1.242	0.277	0.091	13.741	12.314	1.427
Alaska	March	2.332	0.834	3.033	0.798	0.387	0.012	8.461	7.395	1.066
Alaska	April	0.981	0.223	1.231	0.272	0.562	0.010	3.977	3.277	0.700
Alaska	May	0.460	0.102	1.364	0.200	0.377	0.002	3.019	2.505	0.514
Alaska	June	0.344	0.127	3.759	0.291	0.325	0.002	5.550	4.847	0.703
Alaska	July	0.658	0.316	5.297	0.344	0.327	0.008	15.012	6.950	8.062
Alaska	August	0.383	0.067	1.887	0.270	0.223	0.001	3.062	2.832	0.231
Alaska	September	0.486	0.098	1.940	0.416	0.444	0.019	4.014	3.402	0.612
Alaska	October	0.886	0.258	2.910	0.703	0.510	0.005	5.691	5.272	0.419
Alaska	November	2.596	0.807	5.016	1.179	0.231	0.037	11.516	9.867	1.649
Alaska	December	3.501	0.978	5.178	1.433	0.275	0.076	13.834	11.440	2.394
Alaska	Annual	1.802	0.556	3.714	0.759	0.352	0.030	8.909	7.214	1.695
Hawaii	January	1.729	0.304	0.451	0.110	0.283	0.882	-999	3.758	-999
Hawaii	February	1.434	0.211	0.451	0.127	0.223	0.708	-999	3.155	-999
Hawaii	March	1.524	0.224	0.433	0.132	0.339	0.937	-999	3.589	-999
Hawaii	April	0.931	0.199	0.409	0.067	0.324	0.992	-999	2.922	-999
Hawaii	May	1.104	0.170	0.358	0.075	0.261	0.661	-999	2.628	-999
Hawaii	June	0.874	0.161	0.402	0.082	0.243	0.841	-999	2.602	-999
Hawaii	July	0.719	0.143	0.332	0.058	0.149	0.863	-999	2.263	-999
Hawaii	August	0.769	0.098	0.399	0.079	0.165	0.650	-999	2.159	-999
Hawaii	September	0.626	0.131	0.429	0.090	0.091	0.603	-999	1.970	-999
Hawaii	October	0.910	0.140	0.389	0.088	0.130	0.830	-999	2.486	-999

Region	Month	AS	AN	POM	EC	FD	SS	FM	RCFM	Residual
Hawaii	November	0.733	0.203	0.447	0.112	0.183	0.986	-999	2.664	-999
Hawaii	December	0.841	0.165	0.482	0.138	0.163	1.029	-999	2.818	-999
Hawaii	Annual	1.016	0.179	0.415	0.096	0.213	0.832	-999	2.751	-999

Appendix 3.2. 2016–2019 IMPROVE and CSN Regional, Monthly Mean Mass Fraction

Table 3.2.1. IMPROVE 2016-2019 regional, monthly mean mass fraction (species mass/reconstructed fine mass) for ammonium sulfate (AS), ammonium nitrate (AN), particulate organic matter (POM), elemental carbon (EC), fine dust (FD), sea salt (SS). Missing values replaced by “-999”.

Region	Month	AS	AN	POM	EC	Dust	SS
Alaska	January	0.216	0.069	0.196	0.029	0.052	0.438
Alaska	February	0.244	0.060	0.156	0.024	0.062	0.455
Alaska	March	0.338	0.063	0.177	0.028	0.100	0.294
Alaska	April	0.304	0.060	0.198	0.021	0.144	0.273
Alaska	May	0.291	0.051	0.293	0.019	0.092	0.255
Alaska	June	0.194	0.034	0.544	0.027	0.082	0.118
Alaska	July	0.149	0.025	0.685	0.033	0.043	0.065
Alaska	August	0.186	0.030	0.608	0.030	0.033	0.113
Alaska	September	0.226	0.038	0.410	0.028	0.034	0.265
Alaska	October	0.226	0.034	0.237	0.024	0.094	0.386
Alaska	November	0.236	0.042	0.220	0.028	0.114	0.359
Alaska	December	0.222	0.051	0.163	0.020	0.066	0.479
Alaska	Annual	0.223	0.042	0.397	0.027	0.070	0.241
Appalachia	January	0.300	0.243	0.356	0.054	0.036	0.011
Appalachia	February	0.304	0.184	0.397	0.058	0.041	0.016
Appalachia	March	0.298	0.173	0.401	0.058	0.058	0.013
Appalachia	April	0.308	0.099	0.436	0.053	0.095	0.009
Appalachia	May	0.322	0.062	0.475	0.045	0.088	0.009
Appalachia	June	0.278	0.041	0.539	0.041	0.095	0.007
Appalachia	July	0.304	0.028	0.512	0.036	0.114	0.006
Appalachia	August	0.286	0.025	0.575	0.042	0.066	0.006
Appalachia	September	0.321	0.040	0.540	0.046	0.047	0.006
Appalachia	October	0.291	0.068	0.517	0.056	0.057	0.010
Appalachia	November	0.216	0.122	0.566	0.054	0.036	0.006
Appalachia	December	0.263	0.233	0.408	0.057	0.033	0.007
Appalachia	Annual	0.290	0.099	0.488	0.049	0.067	0.008
Boundary Waters	January	0.280	0.411	0.212	0.032	0.028	0.038
Boundary Waters	February	0.290	0.376	0.198	0.028	0.038	0.070
Boundary Waters	March	0.360	0.283	0.237	0.037	0.055	0.029
Boundary Waters	April	0.392	0.164	0.301	0.043	0.091	0.009
Boundary Waters	May	0.247	0.058	0.546	0.046	0.098	0.005
Boundary Waters	June	0.175	0.033	0.684	0.037	0.065	0.007

Region	Month	AS	AN	POM	EC	Dust	SS
Boundary Waters	July	0.137	0.019	0.747	0.038	0.055	0.004
Boundary Waters	August	0.139	0.017	0.765	0.039	0.037	0.004
Boundary Waters	September	0.266	0.041	0.596	0.042	0.049	0.005
Boundary Waters	October	0.278	0.107	0.495	0.050	0.067	0.005
Boundary Waters	November	0.249	0.360	0.298	0.038	0.044	0.012
Boundary Waters	December	0.237	0.455	0.221	0.032	0.029	0.025
Boundary Waters	Annual	0.239	0.185	0.469	0.038	0.052	0.017
California Coast	January	0.143	0.227	0.328	0.041	0.044	0.216
California Coast	February	0.146	0.134	0.278	0.034	0.088	0.321
California Coast	March	0.188	0.124	0.270	0.039	0.121	0.258
California Coast	April	0.195	0.116	0.206	0.023	0.140	0.321
California Coast	May	0.223	0.126	0.221	0.016	0.097	0.317
California Coast	June	0.214	0.102	0.246	0.013	0.095	0.331
California Coast	July	0.237	0.093	0.370	0.021	0.088	0.192
California Coast	August	0.176	0.065	0.575	0.029	0.071	0.083
California Coast	September	0.165	0.091	0.467	0.020	0.094	0.163
California Coast	October	0.159	0.097	0.364	0.024	0.142	0.215
California Coast	November	0.109	0.115	0.505	0.083	0.084	0.104
California Coast	December	0.112	0.238	0.437	0.043	0.061	0.110
California Coast	Annual	0.175	0.117	0.375	0.032	0.095	0.208
Central Great Plains	January	0.223	0.514	0.177	0.031	0.039	0.016
Central Great Plains	February	0.221	0.502	0.181	0.030	0.051	0.015
Central Great Plains	March	0.233	0.383	0.257	0.041	0.077	0.009
Central Great Plains	April	0.203	0.236	0.396	0.051	0.109	0.006
Central Great Plains	May	0.282	0.157	0.370	0.043	0.142	0.007
Central Great Plains	June	0.255	0.069	0.456	0.035	0.179	0.006
Central Great Plains	July	0.249	0.049	0.474	0.034	0.188	0.005
Central Great Plains	August	0.228	0.043	0.583	0.041	0.101	0.004
Central Great Plains	September	0.286	0.052	0.515	0.041	0.101	0.005
Central Great Plains	October	0.247	0.145	0.409	0.049	0.144	0.006
Central Great Plains	November	0.201	0.357	0.290	0.042	0.103	0.008
Central Great Plains	December	0.194	0.473	0.232	0.037	0.054	0.010
Central Great Plains	Annual	0.234	0.250	0.363	0.039	0.106	0.008
Central Rockies	January	0.235	0.136	0.352	0.071	0.197	0.009
Central Rockies	February	0.226	0.137	0.243	0.044	0.342	0.009
Central Rockies	March	0.246	0.118	0.206	0.036	0.387	0.008

Region	Month	AS	AN	POM	EC	Dust	SS
Central Rockies	April	0.201	0.086	0.217	0.025	0.465	0.006
Central Rockies	May	0.199	0.075	0.306	0.022	0.388	0.010
Central Rockies	June	0.145	0.040	0.495	0.028	0.287	0.005
Central Rockies	July	0.120	0.027	0.654	0.028	0.168	0.004
Central Rockies	August	0.136	0.029	0.653	0.035	0.145	0.003
Central Rockies	September	0.146	0.035	0.585	0.034	0.197	0.004
Central Rockies	October	0.213	0.059	0.382	0.035	0.306	0.005
Central Rockies	November	0.204	0.067	0.371	0.044	0.309	0.005
Central Rockies	December	0.214	0.113	0.386	0.048	0.231	0.009
Central Rockies	Annual	0.169	0.058	0.471	0.033	0.264	0.005
Colorado Plateau	January	0.227	0.190	0.362	0.050	0.161	0.010
Colorado Plateau	February	0.227	0.128	0.270	0.035	0.325	0.016
Colorado Plateau	March	0.248	0.088	0.211	0.030	0.412	0.012
Colorado Plateau	April	0.215	0.074	0.214	0.022	0.467	0.008
Colorado Plateau	May	0.209	0.073	0.264	0.019	0.417	0.018
Colorado Plateau	June	0.182	0.048	0.435	0.027	0.295	0.012
Colorado Plateau	July	0.196	0.040	0.467	0.027	0.258	0.011
Colorado Plateau	August	0.182	0.037	0.540	0.031	0.202	0.008
Colorado Plateau	September	0.196	0.042	0.496	0.027	0.230	0.009
Colorado Plateau	October	0.232	0.058	0.348	0.033	0.318	0.011
Colorado Plateau	November	0.188	0.059	0.402	0.046	0.298	0.007
Colorado Plateau	December	0.190	0.155	0.394	0.053	0.197	0.012
Colorado Plateau	Annual	0.202	0.066	0.394	0.030	0.297	0.011
Columbia River Gorge	January	0.152	0.557	0.205	0.040	0.034	0.012
Columbia River Gorge	February	0.144	0.492	0.232	0.046	0.059	0.027
Columbia River Gorge	March	0.145	0.308	0.304	0.061	0.141	0.041
Columbia River Gorge	April	0.173	0.114	0.302	0.044	0.309	0.058
Columbia River Gorge	May	0.135	0.068	0.382	0.036	0.354	0.025
Columbia River Gorge	June	0.109	0.049	0.292	0.022	0.512	0.017
Columbia River Gorge	July	0.121	0.038	0.351	0.024	0.457	0.008
Columbia River Gorge	August	0.071	0.027	0.633	0.031	0.232	0.008
Columbia River Gorge	September	0.070	0.040	0.691	0.034	0.151	0.014
Columbia River Gorge	October	0.087	0.151	0.499	0.052	0.173	0.039
Columbia River Gorge	November	0.083	0.310	0.453	0.056	0.082	0.017
Columbia River Gorge	December	0.140	0.393	0.329	0.045	0.056	0.037
Columbia River Gorge	Annual	0.110	0.194	0.430	0.040	0.206	0.021

Region	Month	AS	AN	POM	EC	Dust	SS
East Coast	January	0.266	0.271	0.306	0.047	0.031	0.079
East Coast	February	0.262	0.229	0.303	0.044	0.034	0.129
East Coast	March	0.300	0.203	0.252	0.039	0.052	0.155
East Coast	April	0.317	0.143	0.282	0.032	0.082	0.144
East Coast	May	0.291	0.090	0.397	0.034	0.082	0.106
East Coast	June	0.276	0.061	0.503	0.038	0.066	0.057
East Coast	July	0.275	0.046	0.497	0.031	0.108	0.044
East Coast	August	0.265	0.045	0.524	0.035	0.080	0.052
East Coast	September	0.261	0.068	0.459	0.033	0.065	0.113
East Coast	October	0.271	0.082	0.407	0.044	0.053	0.144
East Coast	November	0.256	0.143	0.432	0.053	0.037	0.079
East Coast	December	0.237	0.259	0.374	0.054	0.030	0.048
East Coast	Annual	0.272	0.133	0.401	0.040	0.061	0.092
Great Basin	January	0.216	0.114	0.428	0.049	0.180	0.013
Great Basin	February	0.194	0.083	0.278	0.027	0.391	0.027
Great Basin	March	0.242	0.081	0.221	0.031	0.402	0.023
Great Basin	April	0.208	0.058	0.227	0.023	0.467	0.017
Great Basin	May	0.190	0.053	0.386	0.030	0.327	0.015
Great Basin	June	0.134	0.034	0.388	0.016	0.422	0.007
Great Basin	July	0.120	0.029	0.521	0.030	0.295	0.004
Great Basin	August	0.074	0.020	0.669	0.034	0.200	0.003
Great Basin	September	0.101	0.026	0.560	0.024	0.285	0.004
Great Basin	October	0.158	0.036	0.342	0.023	0.424	0.017
Great Basin	November	0.235	0.047	0.374	0.038	0.297	0.008
Great Basin	December	0.201	0.079	0.500	0.050	0.154	0.017
Great Basin	Annual	0.137	0.039	0.479	0.029	0.308	0.009
Hawaii	January	0.711	0.030	0.078	0.010	0.058	0.113
Hawaii	February	0.771	0.023	0.071	0.010	0.053	0.072
Hawaii	March	0.787	0.024	0.058	0.010	0.051	0.071
Hawaii	April	0.481	0.065	0.128	0.013	0.144	0.169
Hawaii	May	0.603	0.049	0.094	0.010	0.138	0.107
Hawaii	June	0.657	0.045	0.107	0.007	0.073	0.111
Hawaii	July	0.659	0.051	0.104	0.010	0.059	0.117
Hawaii	August	0.531	0.075	0.176	0.008	0.035	0.175
Hawaii	September	0.646	0.050	0.128	0.007	0.023	0.147
Hawaii	October	0.595	0.050	0.151	0.013	0.043	0.149

Region	Month	AS	AN	POM	EC	Dust	SS
Hawaii	November	0.581	0.046	0.150	0.012	0.046	0.166
Hawaii	December	0.519	0.043	0.143	0.010	0.046	0.238
Hawaii	Annual	0.658	0.042	0.104	0.010	0.065	0.122
Hells Canyon	January	0.116	0.403	0.379	0.039	0.040	0.023
Hells Canyon	February	0.170	0.320	0.372	0.036	0.083	0.019
Hells Canyon	March	0.234	0.115	0.380	0.042	0.213	0.017
Hells Canyon	April	0.226	0.064	0.395	0.033	0.271	0.012
Hells Canyon	May	0.194	0.052	0.485	0.034	0.225	0.010
Hells Canyon	June	0.119	0.031	0.617	0.036	0.190	0.007
Hells Canyon	July	0.096	0.022	0.689	0.039	0.152	0.003
Hells Canyon	August	0.044	0.016	0.828	0.039	0.071	0.002
Hells Canyon	September	0.053	0.023	0.762	0.064	0.096	0.003
Hells Canyon	October	0.119	0.051	0.634	0.054	0.130	0.012
Hells Canyon	November	0.133	0.094	0.611	0.062	0.093	0.008
Hells Canyon	December	0.118	0.310	0.461	0.046	0.035	0.030
Hells Canyon	Annual	0.096	0.067	0.669	0.045	0.116	0.007
MidSouth	January	0.243	0.336	0.314	0.048	0.048	0.011
MidSouth	February	0.263	0.279	0.345	0.047	0.056	0.012
MidSouth	March	0.233	0.184	0.442	0.055	0.077	0.010
MidSouth	April	0.282	0.104	0.440	0.050	0.113	0.011
MidSouth	May	0.360	0.058	0.402	0.040	0.128	0.013
MidSouth	June	0.298	0.044	0.419	0.028	0.200	0.011
MidSouth	July	0.259	0.037	0.380	0.019	0.297	0.009
MidSouth	August	0.258	0.033	0.510	0.032	0.159	0.008
MidSouth	September	0.326	0.034	0.507	0.035	0.090	0.007
MidSouth	October	0.280	0.068	0.504	0.049	0.090	0.010
MidSouth	November	0.249	0.166	0.459	0.053	0.066	0.007
MidSouth	December	0.226	0.268	0.382	0.050	0.067	0.008
MidSouth	Annual	0.273	0.124	0.428	0.041	0.126	0.010
Mogollon Plateau	January	0.208	0.149	0.378	0.057	0.191	0.017
Mogollon Plateau	February	0.232	0.103	0.312	0.045	0.289	0.019
Mogollon Plateau	March	0.240	0.076	0.214	0.033	0.417	0.020
Mogollon Plateau	April	0.204	0.071	0.201	0.020	0.489	0.015
Mogollon Plateau	May	0.196	0.066	0.286	0.024	0.402	0.027
Mogollon Plateau	June	0.169	0.042	0.520	0.042	0.214	0.014
Mogollon Plateau	July	0.241	0.041	0.428	0.028	0.249	0.013

Region	Month	AS	AN	POM	EC	Dust	SS
Mogollon Plateau	August	0.234	0.039	0.450	0.026	0.243	0.009
Mogollon Plateau	September	0.252	0.042	0.484	0.032	0.180	0.011
Mogollon Plateau	October	0.255	0.049	0.381	0.043	0.261	0.011
Mogollon Plateau	November	0.170	0.053	0.474	0.059	0.234	0.010
Mogollon Plateau	December	0.182	0.127	0.406	0.060	0.213	0.012
Mogollon Plateau	Annual	0.213	0.061	0.394	0.036	0.281	0.015
Northeast	January	0.264	0.211	0.334	0.055	0.038	0.099
Northeast	February	0.295	0.203	0.310	0.052	0.048	0.092
Northeast	March	0.288	0.144	0.288	0.047	0.074	0.159
Northeast	April	0.320	0.116	0.305	0.040	0.089	0.130
Northeast	May	0.255	0.081	0.473	0.046	0.088	0.056
Northeast	June	0.208	0.060	0.570	0.042	0.061	0.059
Northeast	July	0.215	0.038	0.629	0.041	0.048	0.029
Northeast	August	0.200	0.036	0.651	0.044	0.041	0.027
Northeast	September	0.215	0.045	0.578	0.045	0.045	0.072
Northeast	October	0.234	0.087	0.472	0.055	0.052	0.101
Northeast	November	0.234	0.135	0.452	0.062	0.039	0.077
Northeast	December	0.244	0.187	0.400	0.063	0.036	0.071
Northeast	Annual	0.243	0.106	0.474	0.049	0.053	0.075
Northern Great Plains	January	0.287	0.390	0.209	0.035	0.066	0.013
Northern Great Plains	February	0.325	0.326	0.217	0.035	0.090	0.007
Northern Great Plains	March	0.343	0.332	0.171	0.031	0.114	0.009
Northern Great Plains	April	0.311	0.181	0.271	0.035	0.194	0.007
Northern Great Plains	May	0.201	0.107	0.439	0.036	0.213	0.004
Northern Great Plains	June	0.189	0.054	0.500	0.028	0.224	0.005
Northern Great Plains	July	0.175	0.028	0.592	0.032	0.170	0.004
Northern Great Plains	August	0.100	0.019	0.721	0.034	0.124	0.002
Northern Great Plains	September	0.131	0.032	0.650	0.035	0.150	0.002
Northern Great Plains	October	0.260	0.083	0.384	0.041	0.227	0.005
Northern Great Plains	November	0.292	0.244	0.292	0.040	0.124	0.008
Northern Great Plains	December	0.271	0.323	0.262	0.037	0.096	0.012
Northern Great Plains	Annual	0.213	0.140	0.458	0.035	0.150	0.006
Northern Rockies	January	0.187	0.193	0.474	0.060	0.075	0.012
Northern Rockies	February	0.283	0.170	0.375	0.048	0.112	0.013
Northern Rockies	March	0.271	0.127	0.339	0.047	0.203	0.013
Northern Rockies	April	0.243	0.088	0.377	0.039	0.246	0.007

Region	Month	AS	AN	POM	EC	Dust	SS
Northern Rockies	May	0.200	0.055	0.479	0.034	0.227	0.005
Northern Rockies	June	0.138	0.033	0.587	0.030	0.206	0.006
Northern Rockies	July	0.106	0.019	0.671	0.033	0.169	0.003
Northern Rockies	August	0.050	0.014	0.825	0.036	0.074	0.001
Northern Rockies	September	0.039	0.020	0.833	0.050	0.057	0.002
Northern Rockies	October	0.128	0.040	0.668	0.054	0.103	0.006
Northern Rockies	November	0.143	0.070	0.665	0.059	0.057	0.005
Northern Rockies	December	0.181	0.128	0.563	0.057	0.053	0.019
Northern Rockies	Annual	0.104	0.042	0.698	0.043	0.110	0.004
Northwest	January	0.167	0.166	0.424	0.067	0.055	0.122
Northwest	February	0.237	0.148	0.402	0.058	0.064	0.091
Northwest	March	0.236	0.139	0.371	0.054	0.107	0.093
Northwest	April	0.254	0.099	0.350	0.035	0.152	0.110
Northwest	May	0.224	0.093	0.458	0.038	0.126	0.061
Northwest	June	0.225	0.086	0.512	0.034	0.085	0.058
Northwest	July	0.203	0.051	0.620	0.036	0.068	0.022
Northwest	August	0.058	0.022	0.843	0.046	0.023	0.007
Northwest	September	0.093	0.038	0.763	0.045	0.039	0.022
Northwest	October	0.137	0.064	0.638	0.057	0.052	0.052
Northwest	November	0.127	0.077	0.659	0.063	0.033	0.041
Northwest	December	0.145	0.114	0.553	0.067	0.031	0.090
Northwest	Annual	0.129	0.057	0.679	0.047	0.052	0.036
Ohio River Valley	January	0.277	0.335	0.283	0.047	0.048	0.011
Ohio River Valley	February	0.283	0.298	0.316	0.053	0.040	0.010
Ohio River Valley	March	0.310	0.253	0.318	0.054	0.056	0.008
Ohio River Valley	April	0.314	0.135	0.375	0.056	0.111	0.008
Ohio River Valley	May	0.338	0.071	0.433	0.049	0.102	0.007
Ohio River Valley	June	0.287	0.043	0.481	0.044	0.138	0.007
Ohio River Valley	July	0.308	0.032	0.483	0.039	0.133	0.005
Ohio River Valley	August	0.301	0.028	0.532	0.046	0.089	0.005
Ohio River Valley	September	0.318	0.032	0.511	0.051	0.083	0.006
Ohio River Valley	October	0.289	0.072	0.481	0.061	0.091	0.006
Ohio River Valley	November	0.235	0.207	0.433	0.057	0.063	0.006
Ohio River Valley	December	0.227	0.318	0.348	0.053	0.048	0.007
Ohio River Valley	Annual	0.290	0.148	0.421	0.050	0.084	0.007
Oregon/Northern California	January	0.117	0.080	0.523	0.071	0.077	0.132

Region	Month	AS	AN	POM	EC	Dust	SS
Oregon/Northern California	February	0.153	0.082	0.453	0.065	0.130	0.118
Oregon/Northern California	March	0.213	0.078	0.364	0.046	0.178	0.122
Oregon/Northern California	April	0.230	0.071	0.327	0.032	0.214	0.126
Oregon/Northern California	May	0.208	0.068	0.438	0.033	0.170	0.083
Oregon/Northern California	June	0.175	0.056	0.509	0.028	0.139	0.093
Oregon/Northern California	July	0.115	0.032	0.699	0.040	0.084	0.031
Oregon/Northern California	August	0.047	0.018	0.825	0.051	0.047	0.011
Oregon/Northern California	September	0.051	0.023	0.808	0.039	0.059	0.021
Oregon/Northern California	October	0.076	0.029	0.741	0.046	0.071	0.037
Oregon/Northern California	November	0.109	0.041	0.677	0.060	0.068	0.045
Oregon/Northern California	December	0.081	0.056	0.678	0.076	0.040	0.070
Oregon/Northern California	Annual	0.094	0.035	0.702	0.046	0.081	0.042
Sierra Nevada	January	0.153	0.159	0.471	0.056	0.141	0.020
Sierra Nevada	February	0.173	0.204	0.350	0.039	0.207	0.026
Sierra Nevada	March	0.236	0.138	0.351	0.041	0.215	0.019
Sierra Nevada	April	0.236	0.104	0.352	0.028	0.265	0.014
Sierra Nevada	May	0.263	0.100	0.413	0.025	0.188	0.012
Sierra Nevada	June	0.204	0.062	0.505	0.025	0.196	0.009
Sierra Nevada	July	0.110	0.040	0.717	0.031	0.099	0.003
Sierra Nevada	August	0.082	0.031	0.737	0.040	0.107	0.002
Sierra Nevada	September	0.105	0.053	0.631	0.029	0.177	0.005
Sierra Nevada	October	0.094	0.069	0.567	0.038	0.226	0.007
Sierra Nevada	November	0.101	0.084	0.594	0.043	0.169	0.008
Sierra Nevada	December	0.116	0.255	0.440	0.048	0.128	0.013
Sierra Nevada	Annual	0.132	0.071	0.596	0.035	0.159	0.007
Southeast	January	0.275	0.110	0.418	0.063	0.036	0.098
Southeast	February	0.301	0.095	0.376	0.056	0.037	0.136
Southeast	March	0.289	0.087	0.403	0.056	0.055	0.112
Southeast	April	0.144	0.035	0.713	0.025	0.040	0.044
Southeast	May	0.300	0.063	0.364	0.033	0.156	0.084
Southeast	June	0.279	0.049	0.336	0.025	0.256	0.055
Southeast	July	0.233	0.043	0.344	0.021	0.319	0.040
Southeast	August	0.274	0.049	0.352	0.024	0.240	0.061
Southeast	September	0.298	0.045	0.475	0.038	0.091	0.053
Southeast	October	0.294	0.069	0.398	0.042	0.084	0.114
Southeast	November	0.217	0.059	0.583	0.054	0.034	0.054

Region	Month	AS	AN	POM	EC	Dust	SS
Southeast	December	0.285	0.082	0.454	0.060	0.035	0.084
Southeast	Annual	0.253	0.061	0.458	0.039	0.118	0.072
Southern Arizona	January	0.086	0.102	0.440	0.087	0.240	0.045
Southern Arizona	February	0.108	0.084	0.322	0.078	0.374	0.034
Southern Arizona	March	0.149	0.061	0.218	0.055	0.484	0.034
Southern Arizona	April	0.152	0.066	0.199	0.032	0.513	0.039
Southern Arizona	May	0.161	0.067	0.220	0.029	0.473	0.050
Southern Arizona	June	0.206	0.058	0.289	0.028	0.385	0.035
Southern Arizona	July	0.273	0.068	0.304	0.028	0.307	0.020
Southern Arizona	August	0.265	0.056	0.357	0.039	0.267	0.016
Southern Arizona	September	0.238	0.056	0.353	0.041	0.294	0.018
Southern Arizona	October	0.179	0.048	0.280	0.054	0.420	0.019
Southern Arizona	November	0.104	0.043	0.328	0.074	0.433	0.019
Southern Arizona	December	0.076	0.081	0.433	0.093	0.275	0.041
Southern Arizona	Annual	0.165	0.066	0.314	0.053	0.372	0.031
Southern California	January	0.154	0.259	0.330	0.051	0.138	0.069
Southern California	February	0.150	0.282	0.274	0.041	0.213	0.040
Southern California	March	0.177	0.263	0.291	0.042	0.181	0.047
Southern California	April	0.202	0.229	0.259	0.030	0.247	0.033
Southern California	May	0.221	0.258	0.306	0.029	0.145	0.041
Southern California	June	0.240	0.153	0.398	0.034	0.154	0.021
Southern California	July	0.225	0.117	0.453	0.038	0.152	0.014
Southern California	August	0.220	0.085	0.503	0.035	0.150	0.007
Southern California	September	0.210	0.152	0.401	0.031	0.185	0.021
Southern California	October	0.194	0.160	0.335	0.038	0.249	0.025
Southern California	November	0.154	0.148	0.349	0.045	0.281	0.022
Southern California	December	0.136	0.247	0.354	0.051	0.178	0.036
Southern California	Annual	0.204	0.179	0.369	0.037	0.184	0.028
Virgin Islands	January	0.197	0.064	0.167	0.013	0.175	0.385
Virgin Islands	February	0.202	0.059	0.140	0.015	0.223	0.362
Virgin Islands	March	0.250	0.067	0.127	0.009	0.098	0.449
Virgin Islands	April	0.263	0.076	0.096	0.012	0.239	0.314
Virgin Islands	May	0.193	0.055	0.056	0.005	0.448	0.244
Virgin Islands	June	0.184	0.055	0.069	0.004	0.430	0.258
Virgin Islands	July	0.170	0.050	0.040	0.002	0.456	0.283
Virgin Islands	August	0.180	0.046	0.048	0.002	0.543	0.181

Region	Month	AS	AN	POM	EC	Dust	SS
Virgin Islands	September	0.195	0.042	0.107	0.005	0.492	0.160
Virgin Islands	October	-999	-999	-999	-999	-999	-999
Virgin Islands	November	0.214	0.063	0.209	0.018	0.221	0.275
Virgin Islands	December	0.218	0.053	0.218	0.017	0.047	0.447
Virgin Islands	Annual	0.201	0.055	0.103	0.008	0.347	0.286
West Texas	January	0.248	0.199	0.206	0.044	0.294	0.009
West Texas	February	0.250	0.132	0.180	0.031	0.399	0.008
West Texas	March	0.244	0.083	0.201	0.030	0.434	0.008
West Texas	April	0.222	0.066	0.175	0.020	0.504	0.013
West Texas	May	0.274	0.052	0.221	0.022	0.422	0.009
West Texas	June	0.295	0.049	0.314	0.024	0.309	0.008
West Texas	July	0.297	0.046	0.238	0.018	0.397	0.006
West Texas	August	0.307	0.047	0.277	0.024	0.338	0.007
West Texas	September	0.404	0.048	0.354	0.035	0.151	0.008
West Texas	October	0.349	0.073	0.306	0.041	0.223	0.008
West Texas	November	0.269	0.131	0.269	0.041	0.283	0.006
West Texas	December	0.227	0.191	0.270	0.044	0.262	0.005
West Texas	Annual	0.283	0.081	0.252	0.029	0.348	0.008
Ontario	January	0.216	0.501	0.192	0.038	0.028	0.025
Ontario	February	0.231	0.492	0.194	0.038	0.027	0.019
Ontario	March	0.266	0.419	0.212	0.039	0.040	0.024
Ontario	April	0.305	0.273	0.290	0.049	0.069	0.013
Ontario	May	0.242	0.198	0.414	0.057	0.080	0.010
Ontario	June	0.220	0.120	0.546	0.050	0.056	0.007
Ontario	July	0.237	0.052	0.609	0.046	0.051	0.007
Ontario	August	0.221	0.061	0.616	0.060	0.035	0.008
Ontario	September	0.257	0.111	0.506	0.070	0.047	0.009
Ontario	October	0.271	0.204	0.400	0.063	0.050	0.011
Ontario	November	0.185	0.422	0.293	0.051	0.034	0.015
Ontario	December	0.185	0.524	0.217	0.041	0.021	0.013
Ontario	Annual	0.231	0.296	0.367	0.049	0.042	0.014
Birmingham AL	January	0.234	0.172	0.388	0.100	0.075	0.032
Birmingham AL	February	0.264	0.114	0.416	0.091	0.074	0.041
Birmingham AL	March	0.247	0.091	0.451	0.098	0.090	0.024
Birmingham AL	April	0.220	0.058	0.450	0.112	0.136	0.025
Birmingham AL	May	0.231	0.038	0.464	0.115	0.136	0.017

Region	Month	AS	AN	POM	EC	Dust	SS
Birmingham AL	June	0.209	0.033	0.476	0.091	0.175	0.016
Birmingham AL	July	0.235	0.033	0.454	0.078	0.186	0.014
Birmingham AL	August	0.211	0.029	0.534	0.084	0.131	0.011
Birmingham AL	September	0.213	0.025	0.544	0.114	0.092	0.013
Birmingham AL	October	0.197	0.042	0.504	0.133	0.102	0.023
Birmingham AL	November	0.165	0.081	0.509	0.127	0.082	0.036
Birmingham AL	December	0.190	0.132	0.469	0.112	0.068	0.029
Birmingham AL	Annual	0.216	0.066	0.477	0.105	0.114	0.023
Fresno CA	January	0.073	0.441	0.369	0.061	0.030	0.026
Fresno CA	February	0.079	0.397	0.391	0.064	0.049	0.021
Fresno CA	March	0.119	0.322	0.389	0.055	0.086	0.030
Fresno CA	April	0.182	0.195	0.399	0.041	0.140	0.043
Fresno CA	May	0.212	0.184	0.386	0.036	0.149	0.033
Fresno CA	June	0.192	0.116	0.438	0.035	0.191	0.029
Fresno CA	July	0.143	0.083	0.558	0.039	0.164	0.013
Fresno CA	August	0.099	0.070	0.611	0.036	0.178	0.007
Fresno CA	September	0.104	0.100	0.448	0.034	0.296	0.018
Fresno CA	October	0.079	0.162	0.414	0.053	0.280	0.012
Fresno CA	November	0.059	0.388	0.370	0.055	0.118	0.010
Fresno CA	December	0.051	0.429	0.390	0.065	0.047	0.017
Fresno CA	Annual	0.097	0.272	0.428	0.050	0.135	0.018
Puget Sound	January	0.082	0.199	0.488	0.118	0.065	0.049
Puget Sound	February	0.103	0.219	0.441	0.105	0.066	0.067
Puget Sound	March	0.115	0.177	0.446	0.109	0.091	0.062
Puget Sound	April	0.163	0.143	0.416	0.081	0.106	0.090
Puget Sound	May	0.170	0.158	0.449	0.080	0.086	0.057
Puget Sound	June	0.202	0.122	0.472	0.066	0.071	0.067
Puget Sound	July	0.224	0.101	0.494	0.071	0.071	0.041
Puget Sound	August	0.107	0.058	0.724	0.055	0.039	0.018
Puget Sound	September	0.148	0.115	0.568	0.078	0.059	0.033
Puget Sound	October	0.097	0.123	0.550	0.105	0.062	0.064
Puget Sound	November	0.083	0.146	0.567	0.109	0.054	0.041
Puget Sound	December	0.076	0.184	0.500	0.114	0.066	0.059
Puget Sound	Annual	0.125	0.136	0.537	0.088	0.065	0.049
Phoenix AZ	January	0.067	0.197	0.474	0.102	0.132	0.030
Phoenix AZ	February	0.073	0.149	0.458	0.109	0.191	0.021

Region	Month	AS	AN	POM	EC	Dust	SS
Phoenix AZ	March	0.097	0.082	0.377	0.084	0.341	0.021
Phoenix AZ	April	0.120	0.062	0.302	0.047	0.444	0.026
Phoenix AZ	May	0.124	0.061	0.289	0.040	0.435	0.052
Phoenix AZ	June	0.176	0.057	0.314	0.038	0.359	0.057
Phoenix AZ	July	0.218	0.070	0.296	0.031	0.344	0.042
Phoenix AZ	August	0.196	0.057	0.349	0.040	0.331	0.028
Phoenix AZ	September	0.155	0.060	0.361	0.049	0.343	0.032
Phoenix AZ	October	0.122	0.057	0.421	0.075	0.304	0.021
Phoenix AZ	November	0.063	0.079	0.512	0.106	0.223	0.016
Phoenix AZ	December	0.046	0.151	0.530	0.105	0.151	0.018
Phoenix AZ	Annual	0.111	0.099	0.409	0.075	0.278	0.029
Baengnyeong Island South Korea	January	0.284	0.313	0.236	0.051	0.080	0.036
Baengnyeong Island South Korea	February	0.303	0.297	0.210	0.047	0.094	0.049
Baengnyeong Island South Korea	March	0.272	0.437	0.158	0.032	0.071	0.030
Baengnyeong Island South Korea	April	0.358	0.378	0.196	0.045	- 999.000	0.023
Baengnyeong Island South Korea	May	0.428	0.232	0.145	0.032	0.142	0.021
Baengnyeong Island South Korea	June	0.553	0.250	0.103	0.029	0.046	0.019
Baengnyeong Island South Korea	July	0.607	0.176	0.120	0.034	0.049	0.014
Baengnyeong Island South Korea	August	0.604	0.106	0.161	0.039	0.071	0.019
Baengnyeong Island South Korea	September	0.467	0.153	0.214	0.044	0.109	0.014
Baengnyeong Island South Korea	October	0.356	0.198	0.226	0.049	0.146	0.026
Baengnyeong Island South Korea	November	0.296	0.261	0.257	0.043	0.113	0.030
Baengnyeong Island South Korea	December	0.296	0.303	0.225	0.047	0.094	0.036
Baengnyeong Island South Korea	Annual	0.383	0.277	0.184	0.040	0.090	0.027

Table 3.2.2. CSN 2016-2019 regional, monthly mean mass fraction (species mass/reconstructed fine mass) for ammonium sulfate (AS), ammonium nitrate (AN), particulate organic matter (POM), elemental carbon (EC), fine dust (FD), sea salt (SS). Missing values replaced by “-999”.

Region	Month	AS	AN	POM	EC	Dust	SS
Puget Sound	January	0.058	0.134	0.616	0.141	0.043	0.009
Puget Sound	February	0.068	0.148	0.581	0.140	0.055	0.009
Puget Sound	March	0.083	0.143	0.555	0.140	0.074	0.005
Puget Sound	April	0.145	0.111	0.502	0.128	0.103	0.013
Puget Sound	May	0.150	0.134	0.506	0.127	0.079	0.005
Puget Sound	June	0.159	0.094	0.535	0.115	0.086	0.012
Puget Sound	July	0.176	0.076	0.542	0.122	0.077	0.006
Puget Sound	August	0.128	0.065	0.652	0.098	0.052	0.005
Puget Sound	September	0.115	0.078	0.627	0.110	0.061	0.009
Puget Sound	October	0.076	0.104	0.609	0.144	0.053	0.014
Puget Sound	November	0.070	0.118	0.614	0.149	0.040	0.009
Puget Sound	December	0.060	0.135	0.588	0.160	0.040	0.017
Puget Sound	Annual	0.102	0.110	0.588	0.131	0.059	0.010
Portland	January	0.088	0.188	0.571	0.109	0.037	0.007
Portland	February	0.063	0.157	0.628	0.111	0.035	0.006
Portland	March	0.083	0.145	0.587	0.113	0.058	0.014
Portland	April	0.138	0.114	0.563	0.092	0.078	0.015
Portland	May	0.151	0.119	0.563	0.087	0.066	0.013
Portland	June	0.166	0.093	0.572	0.077	0.069	0.024
Portland	July	0.223	0.081	0.553	0.065	0.066	0.012
Portland	August	0.110	0.052	0.720	0.066	0.048	0.006
Portland	September	0.104	0.070	0.689	0.079	0.050	0.008
Portland	October	0.064	0.080	0.696	0.111	0.039	0.010
Portland	November	0.057	0.107	0.685	0.122	0.025	0.004
Portland	December	0.063	0.158	0.616	0.130	0.022	0.011
Portland	Annual	0.097	0.112	0.637	0.100	0.044	0.010
Northwest	January	0.046	0.317	0.504	0.104	0.027	0.003
Northwest	February	0.077	0.308	0.448	0.109	0.056	0.001
Northwest	March	0.072	0.216	0.496	0.126	0.089	0.001
Northwest	April	0.156	0.109	0.474	0.100	0.161	0.000
Northwest	May	0.146	0.083	0.524	0.077	0.170	0.001
Northwest	June	0.092	0.049	0.597	0.075	0.187	0.001
Northwest	July	0.090	0.030	0.663	0.074	0.140	0.003
Northwest	August	0.053	0.024	0.753	0.080	0.091	0.001
Northwest	September	0.051	0.041	0.726	0.087	0.095	0.001

Region	Month	AS	AN	POM	EC	Dust	SS
Northwest	October	0.063	0.123	0.601	0.122	0.089	0.001
Northwest	November	0.052	0.184	0.572	0.139	0.051	0.003
Northwest	December	0.049	0.267	0.510	0.131	0.039	0.004
Northwest	Annual	0.068	0.158	0.586	0.104	0.084	0.002
North Dakota	January	0.241	0.454	0.222	0.047	0.036	0.000
North Dakota	February	0.237	0.516	0.175	0.035	0.037	0.000
North Dakota	March	0.241	0.507	0.164	0.036	0.050	0.001
North Dakota	April	0.271	0.272	0.301	0.055	0.101	0.000
North Dakota	May	0.194	0.168	0.439	0.053	0.146	0.000
North Dakota	June	0.174	0.074	0.452	0.048	0.252	0.000
North Dakota	July	0.194	0.039	0.555	0.048	0.162	0.002
North Dakota	August	0.130	0.034	0.673	0.054	0.109	0.000
North Dakota	September	0.117	0.037	0.707	0.047	0.092	0.000
North Dakota	October	0.226	0.106	0.434	0.069	0.166	0.000
North Dakota	November	0.261	0.324	0.308	0.054	0.054	0.000
North Dakota	December	0.236	0.373	0.263	0.057	0.071	0.001
North Dakota	Annual	0.203	0.237	0.407	0.049	0.104	0.000
Sacramento/Central Valley	January	0.063	0.422	0.409	0.076	0.024	0.006
Sacramento/Central Valley	February	0.072	0.376	0.437	0.076	0.035	0.004
Sacramento/Central Valley	March	0.112	0.309	0.442	0.072	0.063	0.002
Sacramento/Central Valley	April	0.182	0.189	0.435	0.063	0.124	0.007
Sacramento/Central Valley	May	0.230	0.174	0.422	0.053	0.113	0.009
Sacramento/Central Valley	June	0.194	0.101	0.488	0.055	0.144	0.019
Sacramento/Central Valley	July	0.157	0.075	0.562	0.057	0.137	0.011
Sacramento/Central Valley	August	0.117	0.067	0.622	0.053	0.138	0.003
Sacramento/Central Valley	September	0.110	0.090	0.551	0.057	0.184	0.009
Sacramento/Central Valley	October	0.082	0.160	0.497	0.075	0.184	0.003
Sacramento/Central Valley	November	0.054	0.328	0.476	0.079	0.061	0.002
Sacramento/Central Valley	December	0.049	0.435	0.396	0.085	0.031	0.004
Sacramento/Central Valley	Annual	0.098	0.261	0.475	0.070	0.091	0.005
San Jose	January	0.066	0.277	0.505	0.084	0.047	0.022
San Jose	February	0.068	0.196	0.562	0.081	0.072	0.021
San Jose	March	0.101	0.192	0.531	0.076	0.078	0.021
San Jose	April	0.151	0.173	0.440	0.049	0.087	0.101
San Jose	May	0.190	0.211	0.430	0.040	0.056	0.072
San Jose	June	0.178	0.188	0.440	0.039	0.053	0.102

Region	Month	AS	AN	POM	EC	Dust	SS
San Jose	July	0.199	0.176	0.474	0.047	0.050	0.055
San Jose	August	0.159	0.156	0.583	0.047	0.039	0.016
San Jose	September	0.118	0.126	0.615	0.055	0.056	0.030
San Jose	October	0.097	0.163	0.555	0.074	0.082	0.029
San Jose	November	0.054	0.239	0.575	0.073	0.053	0.007
San Jose	December	0.043	0.283	0.515	0.101	0.052	0.007
San Jose	Annual	0.107	0.205	0.530	0.067	0.058	0.033
Los Angeles	January	0.049	0.365	0.409	0.094	0.079	0.005
Los Angeles	February	0.059	0.379	0.385	0.086	0.086	0.004
Los Angeles	March	0.111	0.397	0.330	0.073	0.081	0.008
Los Angeles	April	0.163	0.359	0.306	0.061	0.103	0.008
Los Angeles	May	0.199	0.407	0.278	0.048	0.062	0.006
Los Angeles	June	0.202	0.384	0.315	0.044	0.051	0.004
Los Angeles	July	0.273	0.263	0.341	0.046	0.067	0.010
Los Angeles	August	0.203	0.255	0.424	0.055	0.062	0.002
Los Angeles	September	0.172	0.251	0.407	0.065	0.101	0.004
Los Angeles	October	0.124	0.291	0.388	0.077	0.114	0.006
Los Angeles	November	0.076	0.299	0.422	0.096	0.105	0.003
Los Angeles	December	0.047	0.375	0.383	0.103	0.091	0.003
Los Angeles	Annual	0.142	0.331	0.369	0.071	0.083	0.005
San Diego	January	0.050	0.203	0.579	0.105	0.050	0.013
San Diego	February	0.075	0.266	0.503	0.091	0.054	0.012
San Diego	March	0.139	0.252	0.437	0.084	0.069	0.019
San Diego	April	0.226	0.289	0.307	0.049	0.097	0.033
San Diego	May	0.251	0.278	0.326	0.044	0.065	0.036
San Diego	June	0.281	0.279	0.334	0.041	0.052	0.014
San Diego	July	0.325	0.227	0.345	0.043	0.047	0.014
San Diego	August	0.251	0.183	0.464	0.048	0.048	0.005
San Diego	September	0.231	0.203	0.423	0.050	0.077	0.017
San Diego	October	0.163	0.199	0.459	0.071	0.090	0.017
San Diego	November	0.097	0.199	0.521	0.097	0.079	0.007
San Diego	December	0.045	0.192	0.571	0.124	0.059	0.009
San Diego	Annual	0.171	0.224	0.453	0.073	0.065	0.015
NW Nevada	January	0.027	0.261	0.511	0.122	0.078	0.002
NW Nevada	February	0.043	0.229	0.491	0.118	0.118	0.002
NW Nevada	March	0.079	0.178	0.480	0.110	0.152	0.001

Region	Month	AS	AN	POM	EC	Dust	SS
NW Nevada	April	0.158	0.099	0.448	0.089	0.205	0.000
NW Nevada	May	0.143	0.068	0.533	0.077	0.179	0.001
NW Nevada	June	0.105	0.050	0.625	0.068	0.152	0.001
NW Nevada	July	0.102	0.035	0.720	0.065	0.078	0.001
NW Nevada	August	0.073	0.030	0.755	0.069	0.073	0.001
NW Nevada	September	0.075	0.042	0.677	0.087	0.117	0.001
NW Nevada	October	0.065	0.075	0.614	0.121	0.125	0.001
NW Nevada	November	0.048	0.138	0.570	0.134	0.109	0.001
NW Nevada	December	0.031	0.254	0.510	0.139	0.065	0.001
NW Nevada	Annual	0.072	0.121	0.596	0.101	0.109	0.001
Las Vegas	January	0.037	0.149	0.557	0.121	0.132	0.004
Las Vegas	February	0.067	0.126	0.494	0.112	0.197	0.005
Las Vegas	March	0.097	0.071	0.456	0.105	0.266	0.005
Las Vegas	April	0.142	0.059	0.422	0.074	0.301	0.003
Las Vegas	May	0.168	0.077	0.417	0.063	0.268	0.007
Las Vegas	June	0.151	0.041	0.438	0.064	0.293	0.013
Las Vegas	July	0.213	0.049	0.398	0.047	0.275	0.019
Las Vegas	August	0.180	0.042	0.450	0.071	0.251	0.007
Las Vegas	September	0.127	0.040	0.488	0.083	0.255	0.007
Las Vegas	October	0.223	0.116	-999.	-999	0.649	0.012
Las Vegas	November	0.049	0.075	0.583	0.112	0.176	0.004
Las Vegas	December	0.033	0.147	0.553	0.149	0.113	0.005
Las Vegas	Annual	0.099	0.085	0.495	0.099	0.216	0.007
Utah	January	0.082	0.631	0.194	0.052	0.033	0.009
Utah	February	0.089	0.565	0.215	0.056	0.067	0.007
Utah	March	0.101	0.379	0.291	0.079	0.147	0.002
Utah	April	0.145	0.154	0.359	0.073	0.267	0.002
Utah	May	0.172	0.109	0.391	0.070	0.255	0.003
Utah	June	0.119	0.049	0.454	0.058	0.311	0.009
Utah	July	0.138	0.042	0.546	0.059	0.205	0.010
Utah	August	0.098	0.041	0.624	0.064	0.166	0.007
Utah	September	0.095	0.072	0.607	0.073	0.149	0.004
Utah	October	0.098	0.201	0.406	0.086	0.207	0.002
Utah	November	0.072	0.363	0.354	0.093	0.115	0.003
Utah	December	0.082	0.545	0.231	0.070	0.054	0.018
Utah	Annual	0.100	0.322	0.368	0.067	0.136	0.008

Region	Month	AS	AN	POM	EC	Dust	SS
Front Range CO	January	0.069	0.338	0.352	0.110	0.124	0.007
Front Range CO	February	0.123	0.399	0.267	0.088	0.120	0.003
Front Range CO	March	0.118	0.346	0.273	0.087	0.172	0.003
Front Range CO	April	0.142	0.220	0.319	0.090	0.229	0.001
Front Range CO	May	0.146	0.195	0.378	0.091	0.191	0.000
Front Range CO	June	0.119	0.092	0.464	0.075	0.247	0.002
Front Range CO	July	0.116	0.077	0.517	0.080	0.208	0.001
Front Range CO	August	0.099	0.073	0.592	0.082	0.153	0.001
Front Range CO	September	0.077	0.059	0.611	0.078	0.174	0.001
Front Range CO	October	0.092	0.180	0.403	0.115	0.209	0.001
Front Range CO	November	0.079	0.288	0.360	0.112	0.158	0.002
Front Range CO	December	0.087	0.293	0.343	0.118	0.153	0.006
Front Range CO	Annual	0.101	0.213	0.416	0.095	0.173	0.003
Phoenix/Tucson	January	0.063	0.173	0.547	0.117	0.093	0.008
Phoenix/Tucson	February	0.076	0.146	0.498	0.126	0.153	0.003
Phoenix/Tucson	March	0.117	0.083	0.423	0.114	0.256	0.008
Phoenix/Tucson	April	0.147	0.065	0.352	0.077	0.348	0.013
Phoenix/Tucson	May	0.152	0.068	0.360	0.070	0.318	0.032
Phoenix/Tucson	June	0.200	0.053	0.400	0.062	0.258	0.027
Phoenix/Tucson	July	0.255	0.062	0.363	0.063	0.243	0.015
Phoenix/Tucson	August	0.231	0.058	0.416	0.075	0.215	0.006
Phoenix/Tucson	September	0.188	0.059	0.433	0.074	0.239	0.009
Phoenix/Tucson	October	0.139	0.053	0.452	0.101	0.250	0.006
Phoenix/Tucson	November	0.070	0.064	0.534	0.147	0.184	0.002
Phoenix/Tucson	December	0.050	0.154	0.524	0.155	0.115	0.002
Phoenix/Tucson	Annual	0.129	0.094	0.456	0.105	0.208	0.010
Albuquerque	January	0.057	0.185	0.541	0.135	0.082	0.001
Albuquerque	February	0.089	0.154	0.488	0.124	0.145	0.000
Albuquerque	March	0.147	0.104	0.411	0.095	0.243	0.000
Albuquerque	April	0.167	0.078	0.370	0.075	0.309	0.001
Albuquerque	May	0.169	0.059	0.436	0.068	0.266	0.003
Albuquerque	June	0.160	0.040	0.533	0.060	0.205	0.002
Albuquerque	July	0.208	0.044	0.502	0.056	0.186	0.005
Albuquerque	August	0.182	0.046	0.569	0.074	0.128	0.000
Albuquerque	September	0.175	0.042	0.552	0.082	0.149	0.000
Albuquerque	October	0.149	0.062	0.502	0.107	0.179	0.001

Region	Month	AS	AN	POM	EC	Dust	SS
Albuquerque	November	0.065	0.109	0.573	0.146	0.107	0.001
Albuquerque	December	0.049	0.153	0.565	0.155	0.077	0.001
Albuquerque	Annual	0.126	0.096	0.515	0.103	0.160	0.001
West Texas	January	0.082	0.157	0.443	0.126	0.186	0.006
West Texas	February	0.089	0.089	0.436	0.119	0.263	0.004
West Texas	March	0.103	0.052	0.312	0.084	0.442	0.007
West Texas	April	0.131	0.046	0.279	0.062	0.473	0.010
West Texas	May	0.140	0.039	0.266	0.053	0.492	0.011
West Texas	June	0.190	0.051	0.403	0.066	0.283	0.007
West Texas	July	0.224	0.039	0.353	0.061	0.321	0.003
West Texas	August	0.253	0.046	0.421	0.079	0.199	0.002
West Texas	September	0.242	0.038	0.443	0.090	0.184	0.003
West Texas	October	0.152	0.047	0.407	0.112	0.278	0.005
West Texas	November	0.094	0.090	0.440	0.128	0.244	0.005
West Texas	December	0.069	0.145	0.458	0.138	0.184	0.005
West Texas	Annual	0.142	0.073	0.390	0.095	0.295	0.006
Dallas	January	0.159	0.272	0.357	0.088	0.122	0.003
Dallas	February	0.286	0.291	0.284	0.067	0.069	0.003
Dallas	March	0.233	0.120	0.430	0.086	0.129	0.002
Dallas	April	0.230	0.100	0.414	0.077	0.176	0.003
Dallas	May	0.312	0.094	0.383	0.064	0.141	0.006
Dallas	June	0.293	0.071	0.348	0.047	0.229	0.012
Dallas	July	0.205	0.050	0.300	0.032	0.405	0.009
Dallas	August	0.238	0.052	0.424	0.048	0.233	0.006
Dallas	September	0.280	0.048	0.454	0.072	0.144	0.003
Dallas	October	0.212	0.068	0.507	0.097	0.111	0.005
Dallas	November	0.184	0.131	0.482	0.098	0.105	0.001
Dallas	December	0.179	0.235	0.387	0.109	0.088	0.002
Dallas	Annual	0.232	0.124	0.394	0.072	0.174	0.005
East Texas/Gulf	January	0.279	0.167	0.390	0.085	0.064	0.016
East Texas/Gulf	February	0.368	0.131	0.327	0.072	0.072	0.031
East Texas/Gulf	March	0.381	0.094	0.357	0.067	0.076	0.025
East Texas/Gulf	April	0.321	0.090	0.394	0.073	0.102	0.020
East Texas/Gulf	May	0.335	0.072	0.358	0.067	0.132	0.037
East Texas/Gulf	June	0.262	0.054	0.312	0.042	0.293	0.038
East Texas/Gulf	July	0.256	0.043	0.248	0.037	0.395	0.020

Region	Month	AS	AN	POM	EC	Dust	SS
East Texas/Gulf	August	0.283	0.042	0.338	0.053	0.269	0.015
East Texas/Gulf	September	0.296	0.046	0.479	0.076	0.095	0.008
East Texas/Gulf	October	0.252	0.070	0.502	0.087	0.078	0.011
East Texas/Gulf	November	0.233	0.118	0.493	0.089	0.059	0.009
East Texas/Gulf	December	0.241	0.137	0.456	0.097	0.057	0.012
East Texas/Gulf	Annual	0.289	0.086	0.385	0.069	0.152	0.020
MidSouth	January	0.194	0.260	0.418	0.080	0.046	0.002
MidSouth	February	0.245	0.228	0.406	0.070	0.051	0.001
MidSouth	March	0.231	0.146	0.476	0.080	0.066	0.001
MidSouth	April	0.220	0.094	0.524	0.082	0.081	0.001
MidSouth	May	0.308	0.053	0.473	0.066	0.099	0.002
MidSouth	June	0.258	0.043	0.471	0.052	0.174	0.002
MidSouth	July	0.217	0.034	0.407	0.039	0.299	0.004
MidSouth	August	0.244	0.030	0.537	0.059	0.129	0.001
MidSouth	September	0.260	0.030	0.543	0.069	0.098	0.000
MidSouth	October	0.194	0.053	0.595	0.086	0.071	0.001
MidSouth	November	0.188	0.112	0.559	0.084	0.057	0.001
MidSouth	December	0.193	0.216	0.454	0.086	0.051	0.001
MidSouth	Annual	0.229	0.103	0.487	0.070	0.110	0.001
Central US	January	0.173	0.427	0.298	0.054	0.045	0.005
Central US	February	0.176	0.459	0.256	0.049	0.056	0.004
Central US	March	0.190	0.340	0.348	0.059	0.062	0.002
Central US	April	0.190	0.242	0.403	0.075	0.090	0.001
Central US	May	0.216	0.147	0.459	0.073	0.105	0.001
Central US	June	0.193	0.069	0.540	0.066	0.131	0.001
Central US	July	0.200	0.052	0.549	0.060	0.135	0.004
Central US	August	0.203	0.046	0.603	0.071	0.076	0.000
Central US	September	0.245	0.062	0.529	0.074	0.091	0.001
Central US	October	0.173	0.128	0.497	0.083	0.117	0.002
Central US	November	0.148	0.291	0.398	0.070	0.090	0.002
Central US	December	0.149	0.400	0.321	0.066	0.061	0.003
Central US	Annual	0.187	0.231	0.428	0.066	0.086	0.002
Chicago	January	0.182	0.467	0.245	0.050	0.049	0.007
Chicago	February	0.181	0.463	0.238	0.053	0.059	0.007
Chicago	March	0.208	0.371	0.286	0.062	0.070	0.003
Chicago	April	0.211	0.305	0.318	0.081	0.083	0.001

Region	Month	AS	AN	POM	EC	Dust	SS
Chicago	May	0.235	0.214	0.374	0.087	0.089	0.001
Chicago	June	0.191	0.127	0.495	0.086	0.101	0.001
Chicago	July	0.231	0.075	0.512	0.085	0.096	0.001
Chicago	August	0.185	0.073	0.556	0.107	0.080	0.000
Chicago	September	0.249	0.077	0.477	0.109	0.088	0.001
Chicago	October	0.184	0.182	0.448	0.101	0.084	0.002
Chicago	November	0.149	0.355	0.366	0.073	0.053	0.005
Chicago	December	0.151	0.455	0.275	0.066	0.048	0.006
Chicago	Annual	0.195	0.279	0.373	0.077	0.073	0.003
Ohio River Valley	January	0.239	0.350	0.297	0.069	0.035	0.010
Ohio River Valley	February	0.223	0.311	0.331	0.082	0.045	0.008
Ohio River Valley	March	0.256	0.270	0.336	0.081	0.052	0.005
Ohio River Valley	April	0.260	0.162	0.400	0.094	0.081	0.003
Ohio River Valley	May	0.283	0.104	0.443	0.096	0.072	0.003
Ohio River Valley	June	0.260	0.060	0.514	0.086	0.079	0.002
Ohio River Valley	July	0.280	0.046	0.524	0.088	0.058	0.005
Ohio River Valley	August	0.270	0.046	0.530	0.095	0.057	0.002
Ohio River Valley	September	0.260	0.051	0.518	0.106	0.061	0.005
Ohio River Valley	October	0.217	0.099	0.504	0.115	0.061	0.005
Ohio River Valley	November	0.176	0.219	0.456	0.097	0.045	0.007
Ohio River Valley	December	0.196	0.343	0.321	0.089	0.041	0.010
Ohio River Valley	Annual	0.240	0.181	0.427	0.091	0.056	0.006
Michigan/Great Lakes	January	0.184	0.414	0.262	0.056	0.074	0.011
Michigan/Great Lakes	February	0.185	0.414	0.254	0.054	0.084	0.010
Michigan/Great Lakes	March	0.212	0.310	0.298	0.066	0.108	0.006
Michigan/Great Lakes	April	0.215	0.250	0.323	0.076	0.134	0.002
Michigan/Great Lakes	May	0.210	0.158	0.395	0.091	0.143	0.003
Michigan/Great Lakes	June	0.190	0.093	0.475	0.081	0.159	0.002
Michigan/Great Lakes	July	0.211	0.058	0.515	0.084	0.130	0.003
Michigan/Great Lakes	August	0.209	0.061	0.529	0.082	0.117	0.003
Michigan/Great Lakes	September	0.210	0.067	0.480	0.105	0.135	0.003
Michigan/Great Lakes	October	0.191	0.136	0.417	0.102	0.149	0.005
Michigan/Great Lakes	November	0.155	0.284	0.373	0.076	0.105	0.007
Michigan/Great Lakes	December	0.163	0.410	0.275	0.066	0.079	0.008
Michigan/Great Lakes	Annual	0.193	0.229	0.380	0.078	0.115	0.006
Northeast	January	0.182	0.319	0.364	0.084	0.044	0.009

Region	Month	AS	AN	POM	EC	Dust	SS
Northeast	February	0.188	0.350	0.334	0.079	0.045	0.005
Northeast	March	0.232	0.271	0.343	0.080	0.068	0.006
Northeast	April	0.244	0.209	0.376	0.083	0.084	0.004
Northeast	May	0.209	0.159	0.466	0.089	0.076	0.001
Northeast	June	0.188	0.086	0.577	0.083	0.065	0.002
Northeast	July	0.208	0.057	0.588	0.088	0.056	0.003
Northeast	August	0.200	0.054	0.596	0.088	0.061	0.001
Northeast	September	0.183	0.075	0.562	0.103	0.076	0.003
Northeast	October	0.180	0.126	0.511	0.112	0.067	0.004
Northeast	November	0.157	0.205	0.476	0.104	0.056	0.002
Northeast	December	0.167	0.342	0.357	0.094	0.036	0.004
Northeast	Annual	0.193	0.191	0.463	0.090	0.059	0.004
New York City	January	0.149	0.321	0.372	0.105	0.047	0.006
New York City	February	0.156	0.332	0.364	0.097	0.047	0.005
New York City	March	0.196	0.285	0.354	0.103	0.056	0.006
New York City	April	0.181	0.231	0.402	0.102	0.078	0.004
New York City	May	0.160	0.200	0.461	0.109	0.067	0.002
New York City	June	0.147	0.123	0.561	0.102	0.065	0.002
New York City	July	0.184	0.074	0.564	0.108	0.063	0.006
New York City	August	0.177	0.068	0.585	0.105	0.064	0.002
New York City	September	0.157	0.104	0.541	0.109	0.086	0.005
New York City	October	0.153	0.152	0.504	0.125	0.061	0.006
New York City	November	0.143	0.204	0.464	0.128	0.058	0.003
New York City	December	0.153	0.345	0.333	0.120	0.046	0.003
New York City	Annual	0.163	0.205	0.459	0.109	0.061	0.004
Washington DC/Philadelphia Corridor	January	0.177	0.325	0.351	0.092	0.046	0.010
Washington DC/Philadelphia Corridor	February	0.166	0.364	0.332	0.082	0.047	0.010
Washington DC/Philadelphia Corridor	March	0.234	0.273	0.335	0.080	0.068	0.009
Washington DC/Philadelphia Corridor	April	0.241	0.192	0.362	0.081	0.103	0.021
Washington DC/Philadelphia Corridor	May	0.234	0.174	0.423	0.086	0.080	0.003
Washington DC/Philadelphia Corridor	June	0.204	0.074	0.556	0.090	0.075	0.002

Region	Month	AS	AN	POM	EC	Dust	SS
Washington DC/Philadelphia Corridor	July	0.244	0.052	0.553	0.084	0.065	0.003
Washington DC/Philadelphia Corridor	August	0.226	0.058	0.557	0.088	0.070	0.002
Washington DC/Philadelphia Corridor	September	0.211	0.080	0.520	0.101	0.084	0.003
Washington DC/Philadelphia Corridor	October	0.189	0.129	0.486	0.114	0.072	0.010
Washington DC/Philadelphia Corridor	November	0.150	0.198	0.469	0.109	0.066	0.008
Washington DC/Philadelphia Corridor	December	0.149	0.354	0.343	0.099	0.043	0.013
Washington DC/Philadelphia Corridor	Annual	0.198	0.199	0.437	0.092	0.066	0.008
Southeast	January	0.169	0.146	0.541	0.097	0.045	0.002
Southeast	February	0.199	0.107	0.549	0.098	0.044	0.004
Southeast	March	0.217	0.098	0.535	0.089	0.057	0.005
Southeast	April	0.219	0.065	0.531	0.092	0.091	0.002
Southeast	May	0.243	0.046	0.530	0.078	0.100	0.003
Southeast	June	0.201	0.035	0.567	0.065	0.131	0.002
Southeast	July	0.206	0.031	0.538	0.061	0.162	0.001
Southeast	August	0.197	0.027	0.606	0.072	0.097	0.001
Southeast	September	0.208	0.028	0.606	0.091	0.067	0.001
Southeast	October	0.181	0.044	0.602	0.101	0.068	0.005
Southeast	November	0.135	0.074	0.645	0.098	0.046	0.001
Southeast	December	0.189	0.148	0.522	0.101	0.039	0.002
Southeast	Annual	0.195	0.069	0.567	0.087	0.079	0.002
Florida	January	0.210	0.089	0.483	0.091	0.047	0.082
Florida	February	0.267	0.098	0.401	0.074	0.041	0.119
Florida	March	0.290	0.097	0.414	0.073	0.059	0.067
Florida	April	0.328	0.094	0.385	0.062	0.081	0.050
Florida	May	0.337	0.075	0.332	0.053	0.139	0.064
Florida	June	0.283	0.066	0.303	0.048	0.261	0.040
Florida	July	0.249	0.056	0.283	0.041	0.337	0.035
Florida	August	0.251	0.054	0.305	0.049	0.296	0.045
Florida	September	0.323	0.054	0.377	0.064	0.137	0.046
Florida	October	0.279	0.066	0.329	0.068	0.148	0.112
Florida	November	0.211	0.074	0.538	0.094	0.042	0.042

Region	Month	AS	AN	POM	EC	Dust	SS
Florida	December	0.260	0.100	0.422	0.092	0.044	0.083
Florida	Annual	0.273	0.076	0.380	0.067	0.141	0.064
Alaska	January	0.289	0.075	0.493	0.119	0.018	0.006
Alaska	February	0.344	0.132	0.393	0.101	0.023	0.007
Alaska	March	0.315	0.113	0.410	0.108	0.052	0.002
Alaska	April	0.299	0.068	0.376	0.083	0.171	0.003
Alaska	May	0.184	0.041	0.545	0.080	0.151	0.001
Alaska	June	0.071	0.026	0.776	0.060	0.067	0.000
Alaska	July	0.095	0.046	0.762	0.050	0.047	0.001
Alaska	August	0.135	0.024	0.667	0.095	0.079	0.000
Alaska	September	0.143	0.029	0.570	0.122	0.131	0.006
Alaska	October	0.168	0.049	0.552	0.133	0.097	0.001
Alaska	November	0.263	0.082	0.508	0.120	0.023	0.004
Alaska	December	0.306	0.086	0.453	0.125	0.024	0.007
Alaska	Annual	0.250	0.077	0.515	0.105	0.049	0.004
Hawaii	January	0.460	0.081	0.120	0.029	0.075	0.235
Hawaii	February	0.455	0.067	0.143	0.040	0.071	0.225
Hawaii	March	0.425	0.063	0.121	0.037	0.094	0.261
Hawaii	April	0.319	0.068	0.140	0.023	0.111	0.339
Hawaii	May	0.420	0.065	0.136	0.029	0.099	0.252
Hawaii	June	0.336	0.062	0.155	0.031	0.093	0.323
Hawaii	July	0.318	0.063	0.147	0.025	0.066	0.381
Hawaii	August	0.356	0.045	0.185	0.036	0.076	0.301
Hawaii	September	0.318	0.067	0.218	0.046	0.046	0.306
Hawaii	October	0.366	0.056	0.156	0.035	0.052	0.334
Hawaii	November	0.275	0.076	0.168	0.042	0.069	0.370
Hawaii	December	0.298	0.059	0.171	0.049	0.058	0.365
Hawaii	Annual	0.369	0.065	0.151	0.035	0.077	0.302