

RESULTS: Run BM_rv4_0-EmChem09soa_day.nc Year 2010

SO2_in_Air ugS/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	44	44	(64%)	(70%)	0.54	0.68	27%	0.74	0.31	0.52
YEARDAY	-	44	14729	(38%)	(58%)	0.55	0.70	29%	1.20	0.41	0.61
JANFEB	-	43	43	(53%)	(67%)	1.11	1.11	0%	0.86	0.59	0.77
SPRING	-	42	42	(60%)	(74%)	0.42	0.55	30%	0.57	0.34	0.56
SUMMER	-	42	42	(52%)	(71%)	0.33	0.45	37%	0.76	0.13	0.26
AUTUMN	-	42	42	(52%)	(79%)	0.39	0.71	83%	0.93	0.31	0.36

Sulfate_in_Air ug/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	43	43	(74%)	(98%)	1.74	1.32	-24%	0.74	0.78	0.82
YEARDAY	-	43	14364	(45%)	(69%)	1.75	1.34	-24%	1.53	0.60	0.75
JANFEB	-	42	42	(74%)	(93%)	2.55	2.07	-18%	1.22	0.74	0.82
SPRING	-	41	41	(59%)	(90%)	1.67	1.04	-37%	0.90	0.68	0.66
SUMMER	-	41	41	(56%)	(93%)	1.63	1.07	-34%	0.78	0.74	0.74
AUTUMN	-	41	41	(73%)	(93%)	1.40	1.22	-12%	0.59	0.78	0.87

Sulfate_in_Air,_sea_salt_incl. ug/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	43	43	(79%)	(98%)	1.74	1.45	-16%	0.66	0.79	0.85
YEARDAY	-	43	14364	(56%)	(78%)	1.75	1.48	-16%	1.49	0.60	0.76
JANFEB	-	42	42	(83%)	(93%)	2.55	2.17	-15%	1.18	0.74	0.83
SPRING	-	41	41	(78%)	(95%)	1.67	1.20	-28%	0.78	0.69	0.70
SUMMER	-	41	41	(71%)	(95%)	1.63	1.21	-26%	0.68	0.75	0.78
AUTUMN	-	41	41	(88%)	(93%)	1.40	1.37	-2%	0.53	0.80	0.89

NO_in_Air ugN/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	35	35	(54%)	(86%)	0.67	0.36	-47%	0.54	0.83	0.77
YEARDAY	-	35	11827	(39%)	(63%)	0.66	0.36	-46%	1.47	0.64	0.69
JANFEB	-	34	34	(47%)	(88%)	0.89	0.49	-44%	0.73	0.94	0.86
SPRING	-	34	34	(68%)	(79%)	0.43	0.31	-29%	0.33	0.63	0.74
SUMMER	-	35	35	(54%)	(77%)	0.42	0.25	-39%	0.44	0.41	0.60
AUTUMN	-	35	35	(43%)	(74%)	0.71	0.30	-57%	0.77	0.72	0.61

NO2_in_Air ugN/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	42	42	(26%)	(57%)	1.98	4.56	131%	3.20	0.78	0.61
YEARDAY	-	42	14378	(29%)	(55%)	2.01	4.65	132%	4.33	0.66	0.61
JANFEB	-	41	41	(24%)	(63%)	2.84	6.16	117%	4.20	0.78	0.65
SPRING	-	41	41	(22%)	(63%)	1.79	3.95	121%	2.77	0.74	0.61
SUMMER	-	41	41	(39%)	(63%)	1.35	2.73	102%	2.00	0.66	0.64
AUTUMN	-	41	41	(20%)	(44%)	1.95	5.13	163%	3.82	0.79	0.56

NO3-_in_Air ug/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	20	20	(80%)	(85%)	1.76	1.79	2%	0.91	0.86	0.90
YEARDAY	-	20	6704	(39%)	(61%)	1.86	1.88	1%	2.19	0.66	0.80
JANFEB	-	20	20	(65%)	(85%)	2.80	2.39	-15%	1.85	0.85	0.85
SPRING	-	19	19	(74%)	(95%)	1.92	1.90	-1%	1.09	0.79	0.84
SUMMER	-	18	18	(83%)	(89%)	1.16	1.19	2%	0.56	0.84	0.91

AUTUMN	-	19	19	(63%)	(84%)	1.53	2.03	33%	1.00	0.80	0.87
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HNO3_in_Air ugN/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	12	12	(42%)	(58%)	0.10	0.09	-9%	0.12	0.47	0.61
YEARDAY	-	12	3627	(28%)	(46%)	0.11	0.10	-12%	0.22	0.24	0.45
JANFEB	-	12	12	(17%)	(58%)	0.13	0.05	-62%	0.22	0.17	0.32
SPRING	-	10	10	(50%)	(60%)	0.10	0.10	-2%	0.13	0.53	0.65
SUMMER	-	9	9	(44%)	(67%)	0.13	0.14	6%	0.16	0.66	0.71
AUTUMN	-	11	11	(45%)	(64%)	0.07	0.10	37%	0.12	0.25	0.47

NO3-_in_Air ugN/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	20	20	(80%)	(85%)	0.40	0.40	2%	0.21	0.86	0.90
YEARDAY	-	20	6704	(39%)	(61%)	0.42	0.42	1%	0.49	0.66	0.80
JANFEB	-	20	20	(65%)	(85%)	0.63	0.54	-15%	0.42	0.85	0.85
SPRING	-	19	19	(74%)	(95%)	0.43	0.43	-1%	0.25	0.79	0.84
SUMMER	-	18	18	(83%)	(89%)	0.26	0.27	2%	0.13	0.84	0.91
AUTUMN	-	19	19	(63%)	(84%)	0.35	0.46	33%	0.22	0.80	0.87

Sum_of_HNO3,_NO3-_in_air ugN/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	42	42	(2%)	(19%)	0.46	1.85	300%	1.62	0.86	0.33
YEARDAY	-	42	13970	(23%)	(44%)	0.47	1.85	298%	2.45	0.65	0.37
JANFEB	-	41	41	(17%)	(49%)	0.62	2.11	241%	1.93	0.80	0.43
SPRING	-	40	40	(5%)	(25%)	0.52	2.04	292%	1.75	0.83	0.33
SUMMER	-	40	40	(8%)	(25%)	0.36	1.47	307%	1.30	0.71	0.25
AUTUMN	-	40	40	(3%)	(15%)	0.40	1.90	379%	1.82	0.83	0.28

NH4+_in_Air ugN/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	22	22	(82%)	(95%)	1.09	0.98	-10%	0.43	0.73	0.82
YEARDAY	-	22	7067	(49%)	(74%)	1.06	0.98	-7%	0.99	0.67	0.80
JANFEB	-	21	21	(81%)	(100%)	1.73	1.45	-16%	0.85	0.79	0.82
SPRING	-	21	21	(81%)	(100%)	1.04	0.90	-13%	0.43	0.66	0.75
SUMMER	-	22	22	(68%)	(86%)	0.74	0.63	-16%	0.42	0.40	0.64
AUTUMN	-	21	21	(76%)	(95%)	0.87	0.98	13%	0.44	0.66	0.81

NH3+NH4+_in_Air ugN/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	35	35	(74%)	(97%)	1.45	1.12	-23%	0.62	0.81	0.83
YEARDAY	-	35	11633	(54%)	(79%)	1.43	1.10	-23%	1.24	0.57	0.71
JANFEB	-	35	35	(83%)	(100%)	1.28	1.29	1%	0.51	0.83	0.91
SPRING	-	35	35	(83%)	(97%)	1.64	1.23	-25%	0.68	0.83	0.82
SUMMER	-	35	35	(51%)	(89%)	1.53	0.88	-42%	0.90	0.81	0.67
AUTUMN	-	34	34	(79%)	(97%)	1.33	1.09	-18%	0.80	0.67	0.74

Ammonia_in_Air ugN/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	11	11	(64%)	(100%)	0.72	0.79	10%	0.42	0.52	0.71
YEARDAY	-	11	2994	(38%)	(60%)	0.78	0.77	-1%	0.97	0.37	0.60
JANFEB	-	10	10	(40%)	(50%)	0.42	0.59	40%	0.64	0.20	0.44
SPRING	-	9	9	(89%)	(100%)	1.14	0.99	-13%	0.47	0.67	0.80
SUMMER	-	10	10	(50%)	(90%)	0.92	0.87	-5%	0.64	0.05	0.46

AUTUMN	-	10	10	(40%)	(80%)	0.56	0.74	33%	0.44	0.41	0.55
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SO4_in_PM10 ug/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	13	13	(100%)	(100%)	1.73	1.42	-18%	0.56	0.67	0.76
YEARDAY	-	13	4001	(65%)	(85%)	1.73	1.34	-22%	1.21	0.66	0.79
JANFEB	-	13	13	(69%)	(92%)	1.66	1.15	-31%	0.92	0.86	0.87
SPRING	-	13	13	(100%)	(100%)	1.87	1.34	-28%	0.70	0.70	0.72
SUMMER	-	13	13	(100%)	(100%)	2.09	1.89	-10%	0.54	0.75	0.84
AUTUMN	-	13	13	(100%)	(100%)	1.41	1.30	-8%	0.40	0.61	0.75

SO4_in_PM2.5 ug/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	5	5	(80%)	(100%)	2.50	2.68	7%	1.08	0.60	0.70
YEARDAY	-	5	1082	(57%)	(82%)	2.55	2.27	-11%	2.28	0.55	0.73
JANFEB	-	5	5	(40%)	(100%)	3.05	2.39	-22%	1.52	0.69	0.73
SPRING	-	5	5	(80%)	(100%)	2.08	2.23	7%	1.30	-0.28	0.05
SUMMER	-	5	5	(60%)	(100%)	2.98	3.23	8%	1.33	0.82	0.85
AUTUMN	-	5	5	(100%)	(100%)	1.90	2.40	27%	0.70	0.91	0.86

NO3_in_PM10 ug/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	13	13	(92%)	(92%)	1.57	1.66	6%	0.78	0.65	0.80
YEARDAY	-	13	4001	(48%)	(73%)	1.61	1.55	-4%	1.61	0.60	0.76
JANFEB	-	13	13	(77%)	(92%)	1.74	1.41	-19%	0.73	0.93	0.95
SPRING	-	13	13	(92%)	(92%)	1.79	1.92	8%	1.07	0.58	0.73
SUMMER	-	13	13	(85%)	(92%)	1.19	1.61	36%	0.98	0.14	0.42
AUTUMN	-	13	13	(92%)	(92%)	1.51	1.68	11%	0.84	0.55	0.73

NO3_in_PM25 ug/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	6	6	(33%)	(33%)	1.32	2.23	68%	1.23	0.82	0.81
YEARDAY	-	6	1130	(27%)	(45%)	2.20	2.77	26%	3.85	0.49	0.68
JANFEB	-	6	6	(33%)	(67%)	3.04	2.49	-18%	2.49	0.87	0.79
SPRING	-	6	6	(33%)	(33%)	1.40	2.61	86%	1.79	0.58	0.65
SUMMER	-	6	6	(0%)	(0%)	0.19	1.43	650%	1.42	0.58	0.16
AUTUMN	-	6	6	(17%)	(17%)	0.95	2.56	170%	2.03	0.74	0.61

NO3_coarse ug/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	3	3	(67%)	(100%)	0.70	0.52	-27%	0.34	-0.94	0.14
YEARDAY	-	3	454	(30%)	(53%)	0.69	0.57	-18%	0.91	0.12	0.43
JANFEB	-	3	3	(33%)	(67%)	0.70	0.47	-32%	0.39	0.53	0.58
SPRING	-	3	3	(33%)	(67%)	0.94	0.40	-57%	0.62	-0.76	0.35
SUMMER	-	3	3	(67%)	(67%)	0.49	0.80	64%	0.66	-0.94	0.00
AUTUMN	-	3	3	(67%)	(100%)	0.71	0.50	-29%	0.30	-0.87	0.26

NH4_in_PM10 ug/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	3	3	(33%)	(67%)	1.64	1.22	-26%	1.51	0.45	0.43
YEARDAY	-	3	485	(25%)	(47%)	3.07	1.46	-52%	3.06	0.07	0.45
JANFEB	-	3	3	(33%)	(100%)	0.95	1.58	65%	0.67	0.98	0.87
SPRING	-	3	3	(33%)	(67%)	1.72	1.24	-28%	1.77	0.18	0.41
SUMMER	-	3	3	(0%)	(33%)	1.79	0.94	-48%	1.90	-0.59	0.23

AUTUMN	-	3	3	(33%)	(67%)	1.49	1.22	-18%	1.64	0.53	0.42
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NH4_in_PM2.5 ug/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	5	5	(80%)	(100%)	1.16	1.22	5%	0.56	0.50	0.72
YEARDAY	-	5	1002	(52%)	(75%)	1.56	1.36	-12%	1.47	0.57	0.74
JANFEB	-	5	5	(40%)	(100%)	2.00	1.52	-24%	1.20	0.80	0.75
SPRING	-	5	5	(80%)	(100%)	1.18	1.29	10%	0.68	0.33	0.59
SUMMER	-	5	5	(60%)	(100%)	0.97	0.94	-4%	0.66	-0.87	0.02
AUTUMN	-	5	5	(60%)	(80%)	0.76	1.30	72%	0.67	0.68	0.66

EC_in_PM10 ugC/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	4	4	(50%)	(75%)	0.56	0.36	-37%	0.60	0.37	0.47
YEARDAY	-	4	575	(40%)	(69%)	1.07	0.42	-61%	2.08	0.59	0.32
JANFEB	-	4	4	(50%)	(50%)	1.13	0.48	-58%	1.46	0.65	0.48
SPRING	-	4	4	(50%)	(75%)	0.36	0.32	-11%	0.34	0.20	0.46
SUMMER	-	4	4	(50%)	(75%)	0.38	0.27	-29%	0.38	0.23	0.48
AUTUMN	-	4	4	(25%)	(100%)	0.47	0.36	-25%	0.40	0.40	0.55

EC_in_PM2.5 ugC/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	8	8	(75%)	(75%)	0.52	0.43	-18%	0.44	0.40	0.56
YEARDAY	-	8	1107	(52%)	(74%)	0.95	0.52	-45%	1.44	0.39	0.36
JANFEB	-	6	6	(50%)	(67%)	1.20	0.64	-47%	1.17	0.39	0.50
SPRING	-	6	6	(50%)	(83%)	0.45	0.41	-9%	0.30	0.26	0.60
SUMMER	-	8	8	(75%)	(75%)	0.29	0.30	2%	0.23	0.34	0.61
AUTUMN	-	8	8	(63%)	(88%)	0.50	0.46	-7%	0.37	0.58	0.69

SIA ug/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	3	3	(67%)	(100%)	5.71	5.93	4%	3.41	0.48	0.68
YEARDAY	-	3	467	(54%)	(81%)	9.02	7.00	-22%	5.79	0.63	0.77
JANFEB	-	3	3	(67%)	(100%)	7.18	7.30	2%	2.52	0.95	0.94
SPRING	-	3	3	(67%)	(100%)	6.29	5.97	-5%	4.23	0.14	0.45
SUMMER	-	3	3	(67%)	(100%)	4.58	5.17	13%	3.51	-0.38	0.15
AUTUMN	-	3	3	(67%)	(100%)	4.64	5.81	25%	3.04	0.51	0.70

PM10 ug/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	48	48	(94%)	(98%)	15.23	12.80	-16%	5.00	0.72	0.78
YEARDAY	-	48	15451	(68%)	(89%)	15.21	12.73	-16%	11.20	0.57	0.72
JANFEB	-	47	47	(85%)	(96%)	18.41	13.67	-26%	8.63	0.83	0.75
SPRING	-	47	47	(91%)	(98%)	15.36	12.19	-21%	4.72	0.78	0.78
SUMMER	-	48	48	(90%)	(98%)	14.95	13.20	-12%	4.71	0.72	0.83
AUTUMN	-	48	48	(85%)	(96%)	13.17	12.40	-6%	5.00	0.60	0.75

PM25 ug/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	32	32	(100%)	(100%)	10.70	9.92	-7%	3.10	0.77	0.85
YEARDAY	-	32	9052	(72%)	(93%)	10.69	9.73	-9%	8.70	0.59	0.74
JANFEB	-	30	30	(90%)	(100%)	14.97	10.55	-29%	8.07	0.92	0.78
SPRING	-	30	30	(100%)	(100%)	10.54	9.03	-14%	2.75	0.78	0.84
SUMMER	-	32	32	(94%)	(100%)	9.17	10.41	14%	3.34	0.80	0.84

AUTUMN	-	32	32	(94%)	(100%)	8.59	9.55	11%	2.95	0.73	0.84
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PM10_anthrop. ug/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	48	48	(94%)	(98%)	15.23	12.80	-16%	5.00	0.72	0.78
YEARDAY	-	48	15451	(68%)	(89%)	15.21	12.73	-16%	11.20	0.57	0.72
JANFEB	-	47	47	(85%)	(96%)	18.41	13.67	-26%	8.63	0.83	0.75
SPRING	-	47	47	(91%)	(98%)	15.36	12.19	-21%	4.72	0.78	0.78
SUMMER	-	48	48	(90%)	(98%)	14.95	13.20	-12%	4.71	0.72	0.83
AUTUMN	-	48	48	(85%)	(96%)	13.17	12.40	-6%	5.00	0.60	0.75

PM25_anthrop. ug/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	32	32	(100%)	(100%)	10.70	9.70	-9%	3.16	0.77	0.84
YEARDAY	-	32	9052	(72%)	(93%)	10.69	9.51	-11%	8.69	0.59	0.74
JANFEB	-	30	30	(87%)	(100%)	14.97	10.34	-31%	8.27	0.92	0.76
SPRING	-	30	30	(100%)	(100%)	10.54	8.85	-16%	2.84	0.79	0.83
SUMMER	-	32	32	(97%)	(100%)	9.17	10.14	11%	3.17	0.80	0.85
AUTUMN	-	32	32	(97%)	(100%)	8.59	9.33	9%	2.89	0.73	0.84

Na+_in_air ug/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	25	25	(88%)	(96%)	0.62	0.67	7%	0.40	0.85	0.91
YEARDAY	-	25	7569	(43%)	(64%)	0.62	0.70	12%	0.86	0.73	0.85
JANFEB	-	23	23	(74%)	(96%)	0.56	0.53	-5%	0.47	0.79	0.87
SPRING	-	22	22	(91%)	(95%)	0.67	0.80	19%	0.40	0.89	0.93
SUMMER	-	23	23	(87%)	(91%)	0.60	0.66	10%	0.39	0.85	0.91
AUTUMN	-	23	23	(83%)	(91%)	0.69	0.73	6%	0.51	0.84	0.91

Na_in_PM10 ug/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	3	3	(100%)	(100%)	0.32	0.31	-3%	0.04	0.98	0.82
YEARDAY	-	3	745	(36%)	(55%)	0.32	0.32	-2%	0.39	0.30	0.56
JANFEB	-	3	3	(100%)	(100%)	0.28	0.21	-23%	0.06	0.99	0.86
SPRING	-	3	3	(100%)	(100%)	0.37	0.34	-6%	0.05	0.93	0.81
SUMMER	-	3	3	(100%)	(100%)	0.31	0.40	27%	0.10	0.90	0.75
AUTUMN	-	3	3	(100%)	(100%)	0.32	0.29	-9%	0.06	0.89	0.77

Na_in_PM2.5 ug/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	5	5	(40%)	(80%)	0.14	0.07	-48%	0.09	0.84	0.74
YEARDAY	-	5	773	(34%)	(52%)	0.11	0.06	-44%	0.14	0.45	0.58
JANFEB	-	5	5	(20%)	(60%)	0.14	0.06	-56%	0.09	0.96	0.71
SPRING	-	5	5	(80%)	(100%)	0.11	0.07	-35%	0.05	0.91	0.80
SUMMER	-	5	5	(100%)	(100%)	0.12	0.09	-20%	0.04	0.97	0.96
AUTUMN	-	5	5	(40%)	(80%)	0.19	0.06	-70%	0.22	0.50	0.51

Cl+_in_air ug/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	22	22	(45%)	(77%)	0.76	1.16	53%	0.69	0.83	0.82
YEARDAY	-	22	6440	(30%)	(47%)	0.75	1.17	57%	1.34	0.71	0.79
JANFEB	-	21	21	(43%)	(67%)	0.66	0.81	23%	0.67	0.71	0.81
SPRING	-	19	19	(42%)	(79%)	0.93	1.51	63%	0.91	0.83	0.83
SUMMER	-	19	19	(42%)	(53%)	0.66	1.31	97%	0.90	0.80	0.70

AUTUMN	-	20	20	(45%)	(75%)	0.78	1.18	50%	0.75	0.81	0.82
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Cl_in_PM2.5 ug/m3

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	5	5	(60%)	(100%)	0.12	0.13	9%	0.10	0.26	0.47
YEARDAY	-	5	774	(25%)	(44%)	0.11	0.11	-4%	0.20	0.11	0.37
JANFEB	-	5	5	(0%)	(80%)	0.17	0.11	-36%	0.13	0.36	0.52
SPRING	-	5	5	(20%)	(80%)	0.09	0.12	35%	0.09	0.22	0.44
SUMMER	-	5	5	(20%)	(60%)	0.06	0.17	166%	0.14	0.92	0.54
AUTUMN	-	5	5	(60%)	(60%)	0.15	0.10	-32%	0.17	-0.01	0.37

Ozone_daily_max ppb

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	131	131	(100%)	(100%)	41.09	42.84	4%	4.66	0.74	0.83
YEARDAY	-	131	44009	(97%)	(100%)	41.10	43.11	5%	9.59	0.74	0.85
JANFEB	-	128	128	(99%)	(100%)	35.59	34.04	-4%	5.12	0.61	0.74
SPRING	-	126	126	(99%)	(100%)	46.90	50.70	8%	6.36	0.63	0.72
SUMMER	-	126	126	(100%)	(100%)	47.96	51.13	7%	6.31	0.83	0.88
AUTUMN	-	127	127	(100%)	(100%)	35.83	39.00	9%	5.44	0.75	0.79

Ozone_daily_mean ppb

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	131	131	(99%)	(100%)	32.09	35.19	10%	6.09	0.68	0.76
YEARDAY	-	131	44009	(92%)	(98%)	32.08	35.36	10%	9.81	0.68	0.81
JANFEB	-	128	128	(98%)	(99%)	28.67	27.98	-2%	5.63	0.65	0.77
SPRING	-	126	126	(98%)	(100%)	37.71	42.30	12%	7.43	0.62	0.69
SUMMER	-	126	126	(99%)	(100%)	36.34	41.83	15%	8.29	0.75	0.76
AUTUMN	-	127	127	(98%)	(100%)	27.24	31.64	16%	6.87	0.73	0.73

SO4_wet_dep. mgS/m2

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	57	57	(74%)	(89%)	12677.30	12247.41	-3%	158.30	0.63	0.75
YEARDAY	-	57	13418	(31%)	(42%)	12677.30	12247.41	-3%	2.49	0.36	0.52
JANFEB	-	56	56	(52%)	(75%)	1477.26	2179.85	48%	30.65	0.51	0.68
SPRING	-	56	56	(75%)	(86%)	3607.28	2966.23	-18%	40.10	0.73	0.79
SUMMER	-	56	56	(68%)	(84%)	3998.27	2868.18	-28%	64.80	0.57	0.62
AUTUMN	-	56	56	(73%)	(89%)	2912.92	2999.75	3%	44.49	0.60	0.72

Nitrate_wet_dep. mgN/m

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	57	57	(77%)	(91%)	12231.80	11664.01	-5%	117.20	0.74	0.85
YEARDAY	-	57	13435	(32%)	(43%)	12231.80	11664.01	-5%	2.23	0.40	0.56
JANFEB	-	56	56	(63%)	(88%)	1546.56	1218.94	-21%	16.91	0.57	0.73
SPRING	-	56	56	(64%)	(89%)	3320.16	3617.79	9%	36.70	0.76	0.86
SUMMER	-	56	56	(63%)	(82%)	3556.66	3736.08	5%	53.58	0.60	0.76
AUTUMN	-	56	56	(75%)	(89%)	2980.07	2478.03	-17%	33.32	0.71	0.81

Ammonium_wet_dep. mgN/m2

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	56	56	(71%)	(84%)	14966.02	12729.03	-15%	153.14	0.68	0.81
YEARDAY	-	56	13165	(30%)	(40%)	14966.02	12729.03	-15%	2.89	0.39	0.52
JANFEB	-	55	55	(56%)	(82%)	1492.41	1525.60	2%	23.95	0.27	0.51
SPRING	-	55	55	(55%)	(78%)	4631.75	4107.29	-11%	61.02	0.68	0.79
SUMMER	-	55	55	(51%)	(67%)	4884.75	3570.44	-27%	60.17	0.68	0.78

AUTUMN	-	55	55	(64%)	(80%)	3346.04	2850.84	-15%	40.78	0.59	0.75
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Precipitation mm

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	57	57	(88%)	(93%)	49067.47	48668.44	-1%	305.28	0.64	0.80
YEARDAY	-	57	15568	(33%)	(44%)	49067.47	48668.44	-1%	6.00	0.57	0.72
JANFEB	-	56	56	(80%)	(95%)	7476.32	7123.94	-5%	69.81	0.79	0.84
SPRING	-	56	56	(84%)	(91%)	10604.17	11339.51	7%	93.35	0.56	0.75
SUMMER	-	56	56	(84%)	(91%)	13414.19	12857.32	-4%	113.21	0.71	0.85
AUTUMN	-	56	56	(89%)	(93%)	13472.07	13063.75	-3%	79.87	0.68	0.82

Nitric_acid_wet_dep. mgN/m2

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	57	57	(44%)	(75%)	12231.80	5714.38	-53%	172.79	0.74	0.60
YEARDAY	-	57	13435	(26%)	(35%)	12231.80	5714.38	-53%	2.27	0.36	0.39
JANFEB	-	56	56	(13%)	(54%)	1546.56	483.84	-69%	25.00	0.56	0.52
SPRING	-	56	56	(48%)	(73%)	3320.16	1731.45	-48%	51.61	0.68	0.61
SUMMER	-	56	56	(59%)	(77%)	3556.66	2164.09	-39%	56.56	0.61	0.65
AUTUMN	-	56	56	(23%)	(66%)	2980.07	1074.87	-64%	50.76	0.69	0.52

SO4_conc._in_precip. mgS/l

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	57	57	(88%)	(98%)	0.28	0.29	3%	0.13	0.75	0.86
YEARDAY	-	57	6164	(45%)	(70%)	0.42	0.49	16%	1.30	0.19	0.26
JANFEB	-	56	56	(59%)	(93%)	0.29	0.41	39%	0.28	0.68	0.79
SPRING	-	56	56	(79%)	(96%)	0.35	0.30	-15%	0.15	0.68	0.80
SUMMER	-	56	56	(80%)	(93%)	0.34	0.29	-14%	0.17	0.74	0.85
AUTUMN	-	56	56	(84%)	(93%)	0.24	0.28	14%	0.16	0.68	0.80

Nitrate_conc._in_precip. mgN/l

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	57	57	(91%)	(96%)	0.27	0.26	-3%	0.10	0.75	0.86
YEARDAY	-	57	6181	(46%)	(70%)	0.43	0.54	25%	2.32	0.16	0.15
JANFEB	-	56	56	(77%)	(89%)	0.34	0.23	-32%	0.30	0.69	0.65
SPRING	-	56	56	(84%)	(95%)	0.33	0.36	10%	0.18	0.56	0.75
SUMMER	-	56	56	(80%)	(95%)	0.32	0.35	11%	0.18	0.75	0.85
AUTUMN	-	56	56	(80%)	(95%)	0.25	0.22	-12%	0.12	0.61	0.77

Ammonium_conc._in_precip. mgN/l

Period	CDays	Ns	Np	pc<30%	pc<50%	Obs	Mod	Bias	Rmse	Corr	IOA
YEARLY	-	56	56	(68%)	(91%)	0.35	0.30	-15%	0.18	0.49	0.69
YEARDAY	-	56	5912	(40%)	(63%)	0.53	0.57	8%	2.26	0.13	0.18
JANFEB	-	55	55	(67%)	(85%)	0.28	0.27	-3%	0.17	0.50	0.69
SPRING	-	55	55	(65%)	(91%)	0.47	0.44	-7%	0.25	0.48	0.69
SUMMER	-	55	55	(45%)	(71%)	0.41	0.35	-14%	0.29	0.29	0.56
AUTUMN	-	55	55	(67%)	(84%)	0.31	0.26	-15%	0.26	0.27	0.51