

Species	Network	Duration	OBS <sup>7</sup>	SIM <sup>8</sup>	Site no. <sup>9</sup>	N <sup>10</sup> (% completeness)	R <sup>11</sup>	NMB <sup>12</sup>	NME <sup>13</sup>	FB <sup>14</sup>	FE <sup>15</sup>	
Concentration	NH <sub>3</sub> (ppb)	AMoN <sup>1</sup>	22 Sep–12 Dec	0.49	0.30	1	7 (100%)	0.20	−65%	67%	−52%	53%
		GrandTReNDS <sup>2</sup>	5 Apr–21 Sep	0.55	0.46	3	434 (97.7%)	0.30	−16%	57%	−42%	63%
	HNO <sub>3</sub> (ppb)	CASTNet <sup>3</sup>	4 Jan–27 Dec	0.23	0.47	2	83 (98.8%)	0.72	108%	117%	60%	71%
		GrandTReNDS <sup>2</sup>	5 Apr–21 Sep	0.28	0.54	3	435 (97.9%)	0.60	106%	109%	63%	68%
	PNO <sub>3</sub> (μg m <sup>−3</sup> )	CASTNet <sup>3</sup>	4 Jan–27 Dec	0.19	0.25	2	83 (98.8%)	0.42	37%	76%	26%	64%
		IMPROVE <sup>4</sup>	3 Jan–29 Dec	0.14	0.22	4	332 (68.5%)	0.35	58%	108%	51%	80%
GrandTReNDS <sup>2</sup>		5 Apr–21 Sep	0.13	0.15	3	435 (97.9%)	0.45	15%	71%	14%	60%	
PNH <sub>4</sub> (μg m <sup>−3</sup> )	CASTNet <sup>3</sup>	4 Jan–27 Dec	0.17	0.18	2	83 (98.8%)	0.28	3%	39%	7%	41%	
	GrandTReNDS <sup>2</sup>	5 Apr–21 Sep	0.14	0.17	3	433 (97.7%)	0.12	23%	64%	34%	61%	
NH <sub>x</sub> (μg m <sup>−3</sup> ) <sup>5</sup>	GrandTReNDS <sup>2</sup>	5 Apr–21 Sep	0.68	0.63	3	427 (96.2%)	0.26	−7%	48%	−22%	46%	
N deposition	HNO <sub>3</sub> dry (kg N ha <sup>−1</sup> )	CASTNet <sup>3</sup>	4 Jan–27 Dec	0.071	0.187	2	83 (98.8%)	0.81	153%	156%	77%	82%
		GrandTReNDS <sup>2</sup>	5 Apr–21 Sep	0.016	0.049	3	435 (97.9%)	0.66	204%	209%	101%	104%
	PNO <sub>3</sub> dry (kg N ha <sup>−1</sup> )	CASTNet <sup>3</sup>	4 Jan–27 Dec	0.012	0.023	2	83 (98.8%)	0.14	96%	148%	48%	97%
		GrandTReNDS <sup>2</sup>	5 Apr–21 Sep	0.010	0.011	3	435 (97.9%)	0.61	8%	58%	1%	65%
	PNH <sub>4</sub> dry (kg N ha <sup>−1</sup> )	CASTNet <sup>3</sup>	4 Jan–27 Dec	0.018	0.019	2	83 (98.8%)	0.1	7%	57%	22%	61%
		GrandTReNDS <sup>2</sup>	5 Apr–21 Sep	0.006	0.004	3	433 (97.7%)	0.1	−33%	46%	−28%	53%
	NO <sub>3</sub> <sup>−</sup> wet (kg N ha <sup>−1</sup> )	NTN <sup>6</sup>	4 Jan–27 Dec	0.079	0.097	5	214 (82.3%)	0.34	31%	126%	12%	100%
		GrandTReNDS <sup>2</sup>	5 Apr–21 Sep	0.051	0.083	3	427 (96.2%)	0.15	60%	94%	42%	71%
NH <sub>4</sub> <sup>+</sup> wet (kg N ha <sup>−1</sup> )	NTN <sup>6</sup>	4 Jan–27 Dec	0.088	0.126	5	214 (82.3%)	0.32	49%	142%	19%	106%	
	GrandTReNDS <sup>2</sup>	5 Apr–21 Sep	0.103	0.147	3	427 (96.2%)	0.48	42%	72%	30%	64%	
Precipitation (cm)	NTN <sup>6</sup>	4 Jan–27 Dec	0.77	2.34	5	214 (82.3%)	0.54	215%	242%	64%	118%	
	GrandTReNDS <sup>2</sup>	5 Apr–21 Sep	0.33	0.95	3	427 (96.2%)	0.42	187%	207%	69%	94%	