

Summary Report on Monthly Air Quality Data
Clean Air And Sustainable Environment Project, DoE
Month of December 2012

Parameter	unit	NAAQO	Summary	CAMS-1 (S-Bhaban)	CAMS-2 (BARC) ^a	CAMS-3 (D-salam)	CAMS-4 (Gazipur)	CAMS-5 (Narayanganj)	CAMS-6 TV-St (Chittagong) ^a	CAMS-7 Agrabad-(Chittagong)	CAMS-8 (Sylhet)	CAMS-9 (Khulna) ^a	CAMS-10 (Rajshahi) ^a	CAMS-11 (Barisal)
SO ₂ -24 hr	ppb	140	Average	10.64	4.46	12.22	1.11	7.24	3.91	0.32	DNA	2.03	6.59	0.45
			Max	13.82	8.49	33.29	3.05	11.88	11.63	0.75	DNA	4.45	11.86	1.43
			Min	8.97	1.89	1.09	0.01	4.52	0.20	0.02	DNA	0.72	2.75	0.10
			Excedance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DNA	0.00	0.00	0.00
NO ₂ -24 hr	ppb	53 (Annual)	Average	1.95	25.56	26.88	6.59	35.18	1.08	7.68	5.76	DNA	37.10	2.20
			Max	6.23	52.97	36.23	11.73	69.58	1.11	9.99	8.28	DNA	104.74	3.90
			Min	0.08	5.49	18.69	2.02	14.25	1.03	5.30	3.99	DNA	8.15	0.63
			Excedance	0.00	0.00	0.00	0.00	4.00	0.00	0.00	0.00	DNA	7.00	0.00
CO- 1 hr	ppm	35	Average	2.50	2.11	2.37	1.38	1.32	1.16	1.45	6.36	3.06	1.61	1.31
			Max	3.41	5.04	3.50	2.27	2.05	1.61	2.03	7.01	5.44	2.45	2.17
			Min	1.84	0.95	1.70	0.87	0.82	0.64	1.06	5.84	1.77	1.19	0.85
			Excedance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO-8hr	ppm	9	Average	2.50	1.98	2.37	1.41	1.32	1.20	1.47	6.37	3.27	1.69	1.29
			Max	3.45	4.79	3.49	2.44	2.13	1.64	2.01	6.95	5.14	4.31	2.31
			Min	1.83	0.73	1.74	0.86	0.82	0.68	1.04	6.02	1.90	1.17	0.89
			Excedance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
O ₃ -1hr	ppb	120	Average	3.21	7.70	8.97	8.07	1.31	3.91	4.11	4.50	3.09	17.34	1.92
			Max	3.44	9.27	69.26	15.44	4.77	5.63	8.05	7.65	4.02	33.26	3.93
			Min	3.01	6.11	1.46	4.14	0.04	2.35	1.08	1.77	2.12	8.54	0.40
			Excedance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
O ₃ -8hr	ppb	80	Average	3.64	7.73	7.63	8.67	1.34	4.14	4.36	4.60	3.19	17.36	1.93
			Max	4.27	9.50	55.28	14.88	6.23	7.25	8.78	8.62	4.27	41.26	3.82
			Min	3.11	5.69	1.62	3.97	0.04	2.35	1.10	1.78	2.18	5.18	0.42
			Excedance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

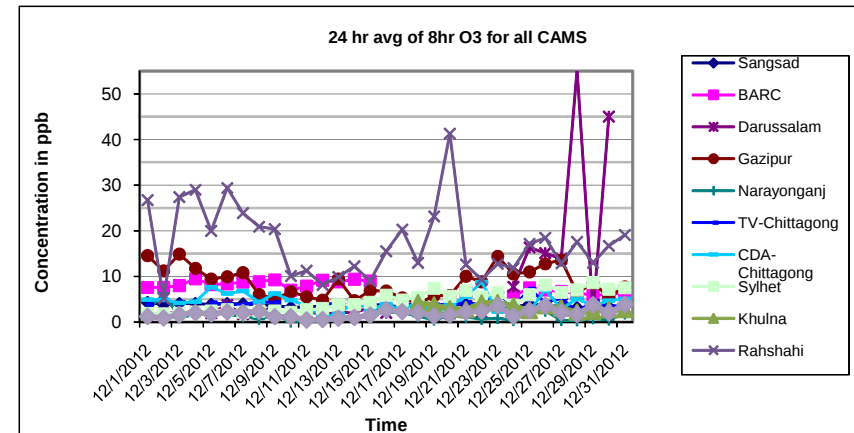
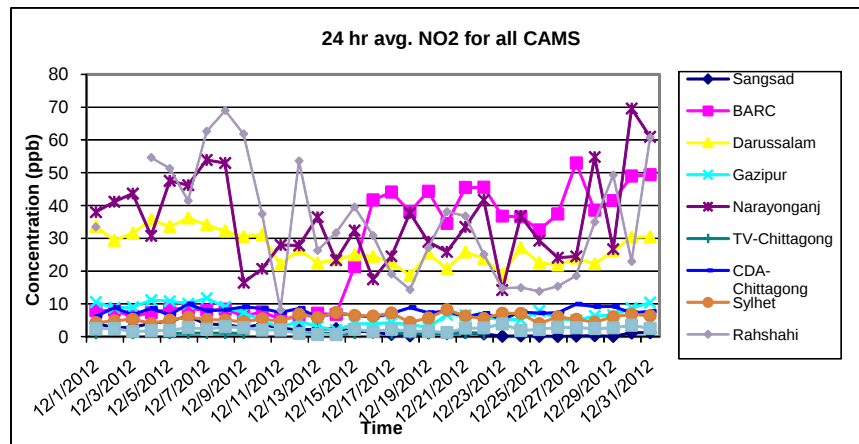
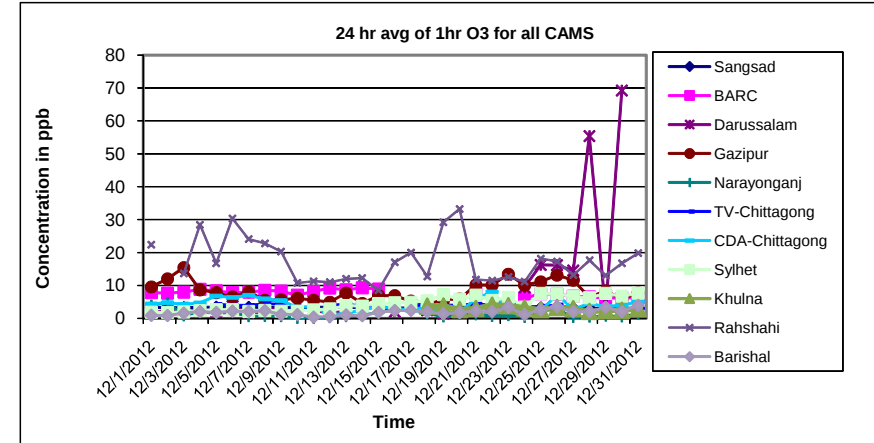
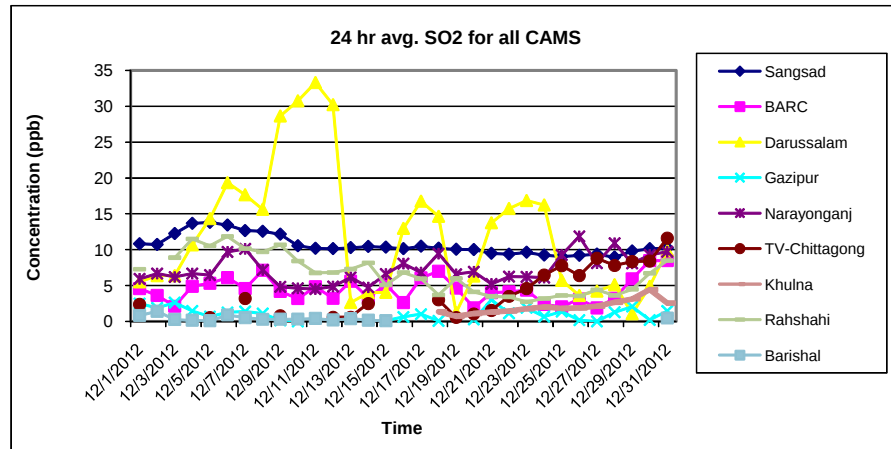
CAMS= Continuous Air Monitoring Station, DNA= Data Not Available, NA= Not Applicable, PM= Particulate Matter,
a=All CAMS are under refurbishment, NAAQS=National Ambient Air Quality Standard

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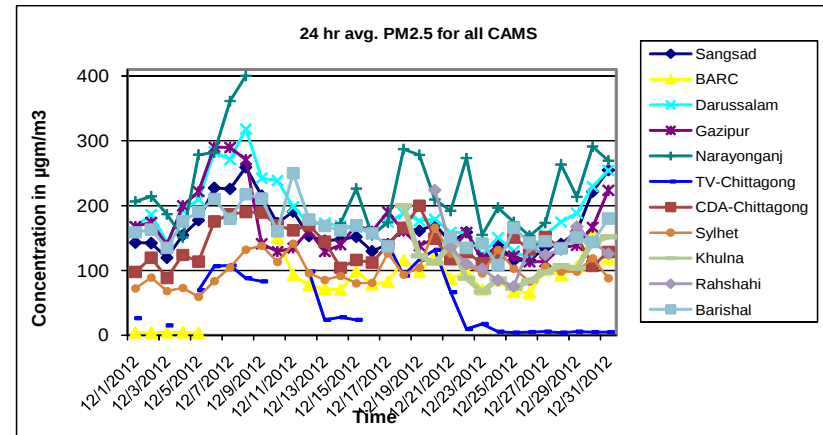
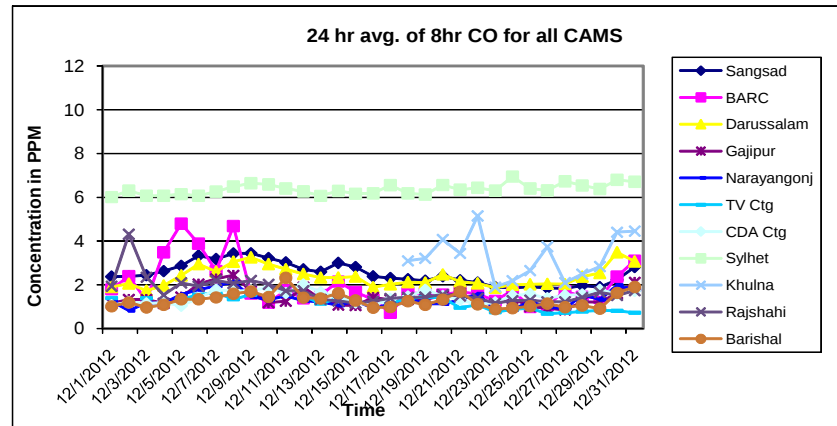
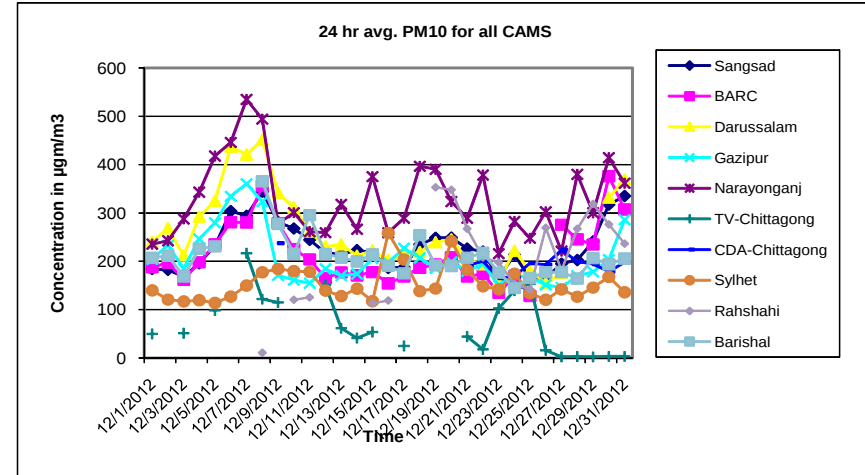
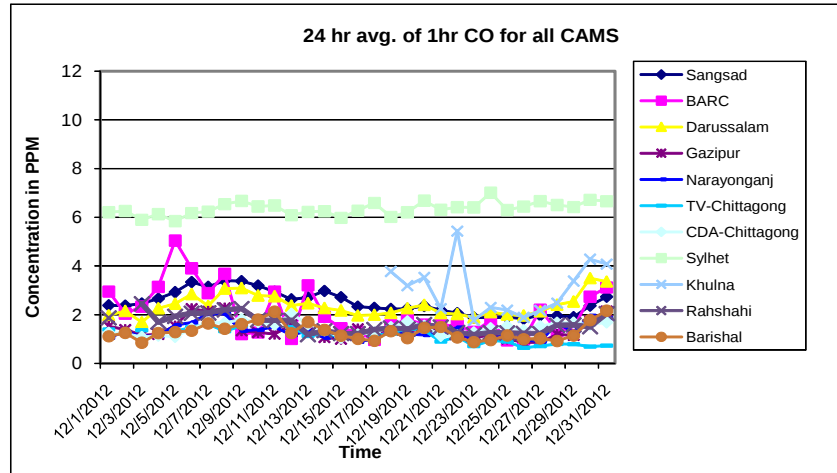
Parameter	unit	NAAQO	Summary	CAMS-1 (S-Bhaban)	CAMS-2 (BARC) ^a	CAMS-3 (D-salam)	CAMS-4 (Gazipur)	CAMS-5 (Narayanganj)	CAMS-6 TV-St (Chittagong) ^a	CAMS-7 Agrabad-(Chittagong)	CAMS-8 (Sylhet)	CAMS-9 (Khulna) ^a	CAMS-10 (Rajshahi) ^a	CAMS-11 (Barisal)
PM_{2.5} -24hr	µg /m³	65	Average	164.41	78.83	188.69	164.66	228.36	51.50	140.44	101.90	112.54	130.22	165.15
			Max	259.20	159.33	318.40	290.47	400.34	141.56	199.74	166.34	199.74	223.99	250.45
			Min	115.57	3.48	117.93	113.15	151.02	4.06	88.34	59.48	67.02	75.52	108.37
			Excedance	31	22.00	31	31	26	13.00	31	30	14.00	12.00	28.00
PM₁₀ -24hr	µg /m³	150	Average	229.83	214.12	260.99	206.58	326.31	67.03	195.42	152.93	DNA	206.01	209.49
			Max	344.17	375.89	451.19	360.62	534.80	216.51	237.29	258.25	DNA	353.10	365.43
			Min	164.54	128.57	154.86	145.91	216.20	2.66	165.10	114.04	DNA	11.04	145.00
			Excedance	31	28	29	30	31	3.00	12	10	DNA	12.00	28.00
Solar rad. 24 hr	watt/ m²	NA	Average	103.12	DNA	108.29	114.93	125.47	DNA	127.49	114.17	217.13	88.71	123.13
			Max	140.65	DNA	156.09	167.05	341.12	DNA	171.21	157.37	374.56	105.78	160.78
			Min	8.26	DNA	48.31	52.22	39.87	DNA	65.62	33.69	19.86	71.65	55.34
Relative Humidity 24 hr	(%)	NA	Average	82.47	DNA	79.67	85.74	51.63	DNA	73.53	83.75	88.79	DNA	81.73
			Max	94.90	DNA	93.08	95.25	56.06	DNA	87.86	93.95	98.14	DNA	94.22
			Min	61.52	DNA	62.56	68.04	45.95	DNA	64.87	74.39	80.22	DNA	69.53
Ambient Temperature 24 hr	(°c)	NA	Average	17.51	24.35	17.80	17.80	DNA	DNA	19.58	19.32	15.60	DNA	20.64
			Max	20.96	25.91	21.25	21.77	DNA	DNA	21.95	22.08	18.37	DNA	24.03
			Min	12.58	22.37	12.79	13.11	DNA	DNA	15.65	14.92	12.74	DNA	15.18
Rainfall 24hr	(m.m.)	NA	Average	0.01	1.40	0.06	0.03	0.03	0.05	0.04	0.02	0.10	0.01	0.01
			Max	0.02	1.89	0.08	0.06	0.04	0.12	0.04	0.02	0.17	0.01	0.03
			Min	0.01	0.36	0.05	0.01	0.01	0.01	0.03	0.01	0.06	0.01	0.01

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CLEAN AIR AND SUSTAINABLE ENVIRONMENT PROJECT, DEPARTMENT OF ENVIRONMENT
TIME SERIES OF ALL PARAMETERS (SO₂,NO₂,CO,O₃,PM₁₀,PM_{2.5}) MEASURED IN CAMS
Month of December 2012

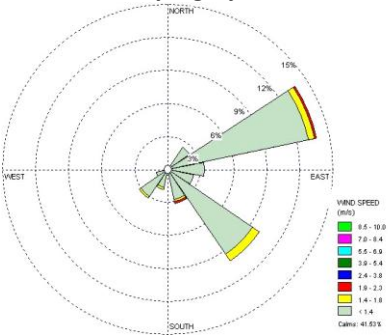


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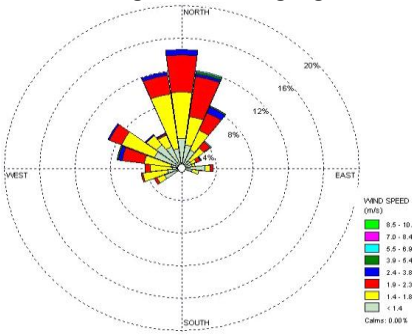


Wind Rose for all CAMS Month of December 2012

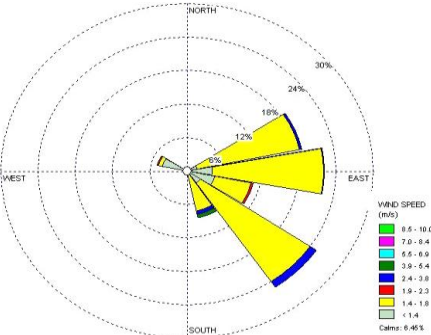
Wind Rose of Narayonganj CAMS for this month



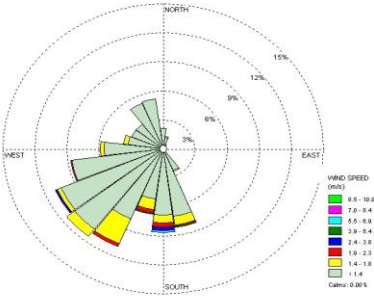
Wind Rose of Agrabad, Chittagong CAMS for this month



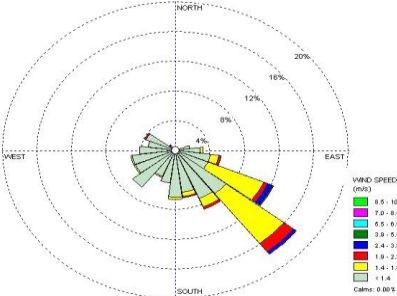
Wind Rose of BARC CAMS for this month



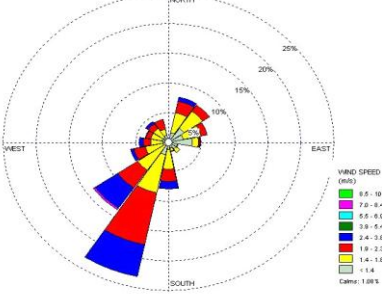
Wind Rose of Darussalam CAMS for this month



Wind Rose of Sangsad Bhaban CAMS for this month

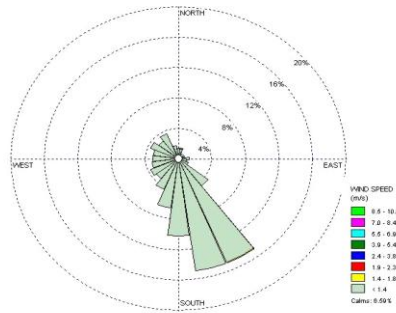


Wind Rose of Sylhet CAMS for this month

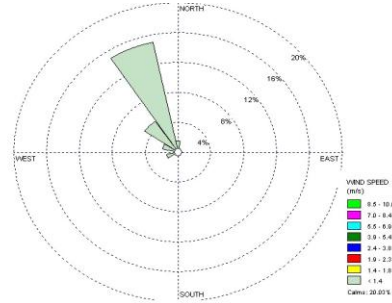


Wind Rose for all CAMS Month of December 2012

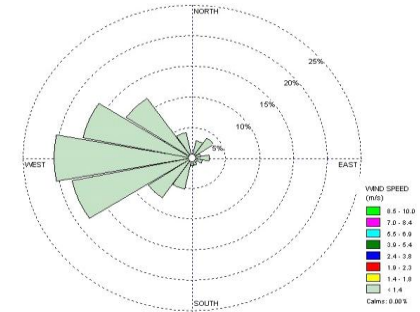
Wind Rose of Gazipur CAMS for this month



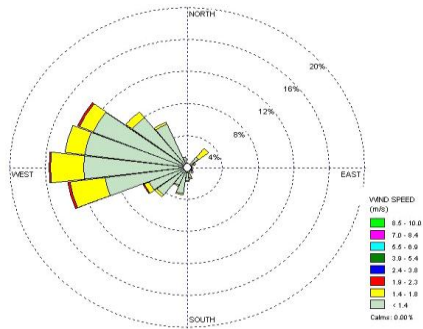
Wind Rose of Rajshahi CAMS for this month



Wind Rose of Khulna CAMS for this month



Wind Rose of Barisal CAMS for this month



Wind Rose of TV-Chittagong CAMS for this month

