

Kerala State Pollution Control Board
Pattom P.O., Thiruvananthapuram - 695 004
Head Office: 0471 - 2318153, 54, 55, 56, 2312910



Continuous Ambient Air Quality Monitoring Station



Annual Report 2016

Operated and Maintained by:-

Envirotech Online Equipments Private Limited
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Opp. JNTU Road, Kukatpally,
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Kerala State Pollution Control Board

Continuous Ambient Air Quality Monitoring Station, Trivandrum

Yearly Report on Criteria

2016

Month	CO (mg/m ³)	Ozone (µg/m ³)	NO (µg/m ³)	NO ₂ (µg/m ³)	NO _X (µg/m ³)	NH ₃ (µg/m ³)	SO ₂ (µg/m ³)	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)
January	1.22	8.1	1.0	8.7	9.7	10.9	6.0	57	88
February	1.18	8.6	7.0	13.6	20.6	35.7	1.8	47	78
March	0.96	7.8	4.6	10.7	15.3	37.1	1.3	33	60
April	0.89	5.2	5.2	9.4	14.7	41.6	1.0	27	58
May	0.90	3.1	6.7	6.8	13.3	39.1	1.3	18	36
June	0.82	0.9	11.9	5.6	17.4	15.8	1.4	13	29
July	0.72	1.8	10.7	6.1	16.8	30.1	2.7	15	32
August	1.36	6.3	20.8	8.3	29.2	57.1	3.0	15	38
September	1.59	8.1	9.3	8.4	17.8	42.9	3.5	17	40
October	0.64	8.9	0.9	9.1	10.0	50.5	2.8	22	43
November	0.95	9.5	1.4	12.0	13.4	52.6	3.5	47	70
December	1.05	9.4	2.2	10.1	12.3	43.0	4.5	45	73
Average	1.01	6.5	6.8	9.1	15.9	38.1	2.9	30	54
Minimum	0.64	0.9	0.9	5.6	9.7	10.9	1.0	13	29
Maximum	1.59	9.5	20.8	13.6	29.2	57.1	6.0	57	88
Capture	94.9	94.9	93.6	93.8	93.6	92.6	87.4	93.3	94.4

NAAQ Std. (1Hr.)	04	180	-	-	-	-	-	-	-
NAAQ Std. (8Hr.)	02	100	-	-	-	-	-	-	-
NAAQ Std. (24Hr.)	-	-	-	80	-	400	80	60	100
NAAQ Std. (Annual)	-	-	-	40	-	100	50	40	60



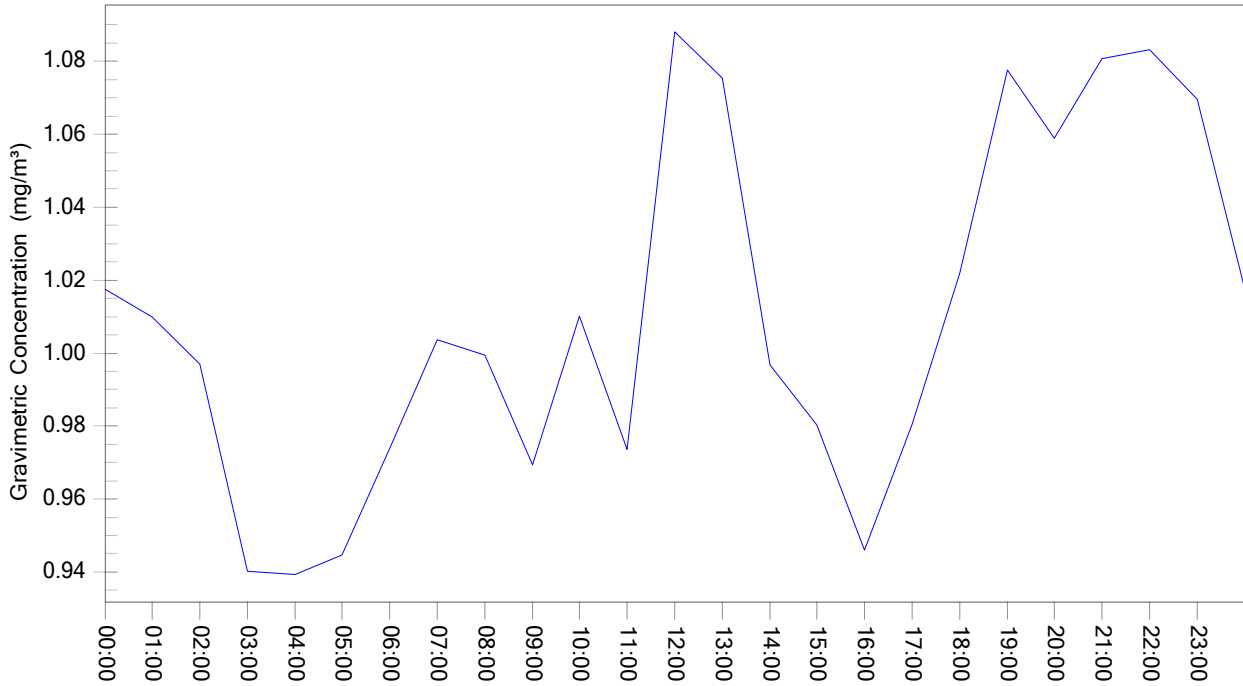
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Continuous Ambient Air Quality Monitoring Station, Trivandrum

Trend Gaphs for CO

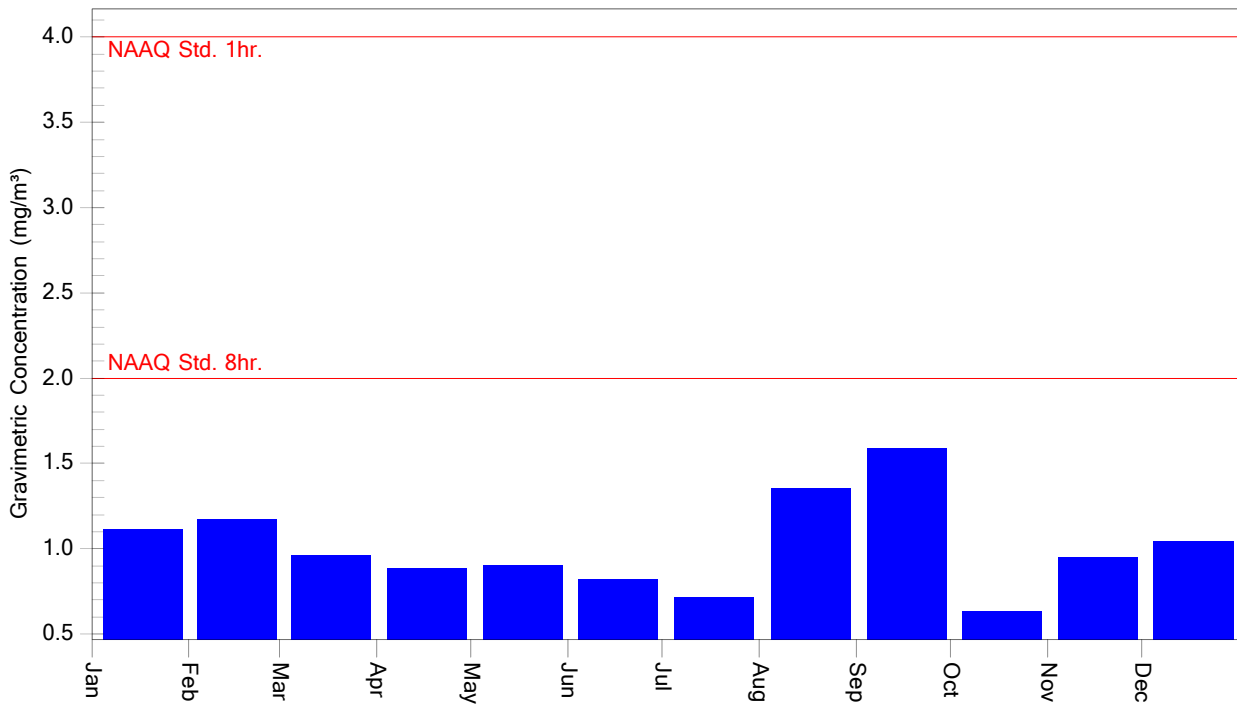
CO(mg/m³) Line Graph

1/1/2016 to 12/31/2016



CO(mg/m³) Bar Graph

1/1/2016 to 12/31/2016





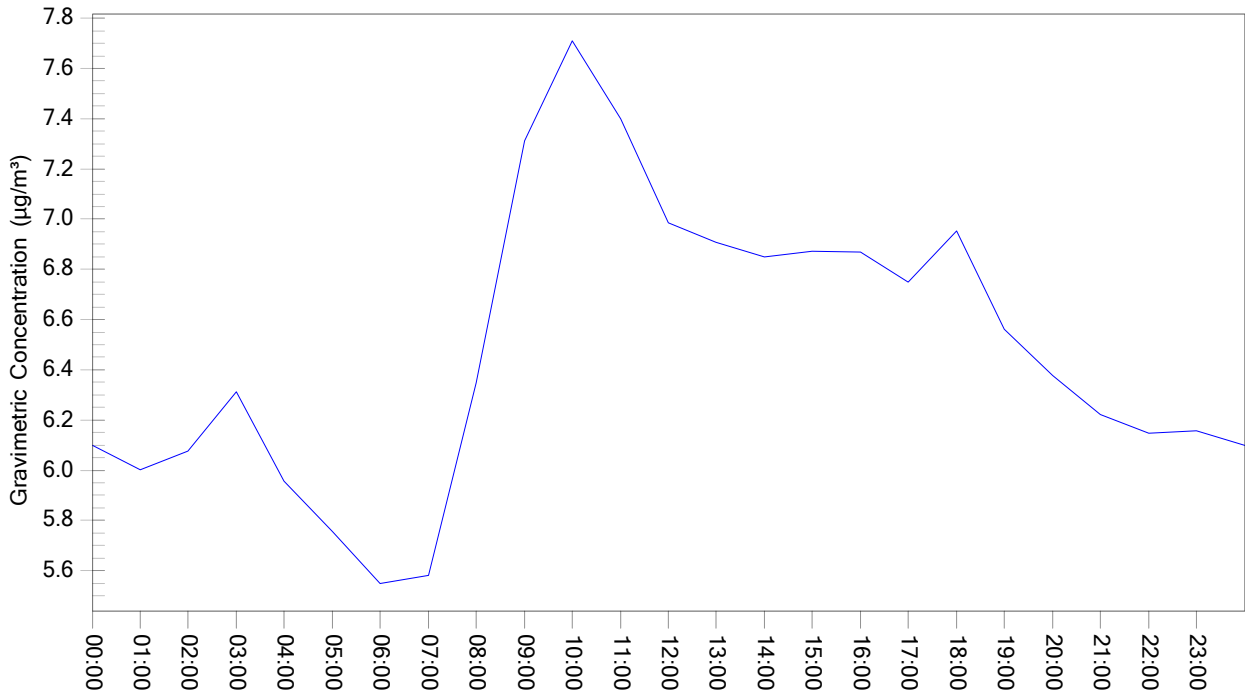
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Trend Gaphs for Ozone

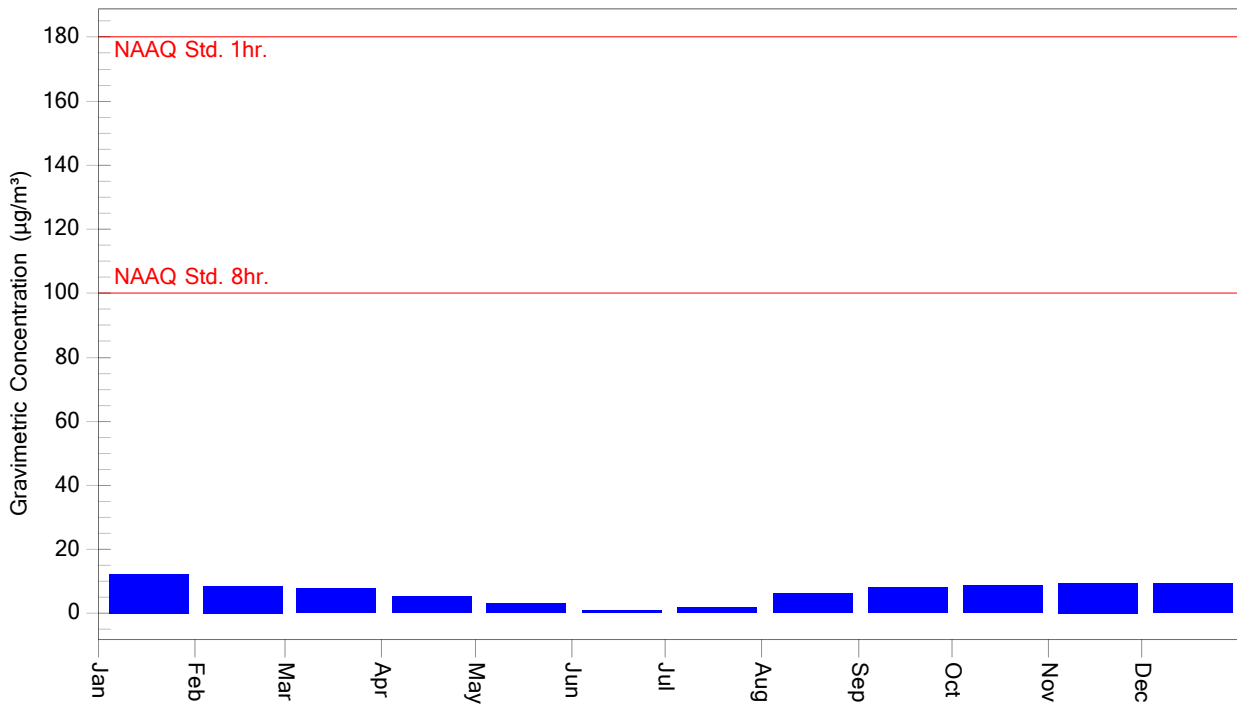
O₃($\mu\text{g}/\text{m}^3$) Line Graph

1/1/2016 to 12/31/2016



O₃($\mu\text{g}/\text{m}^3$) Bar Graph

1/1/2016 to 12/31/2016





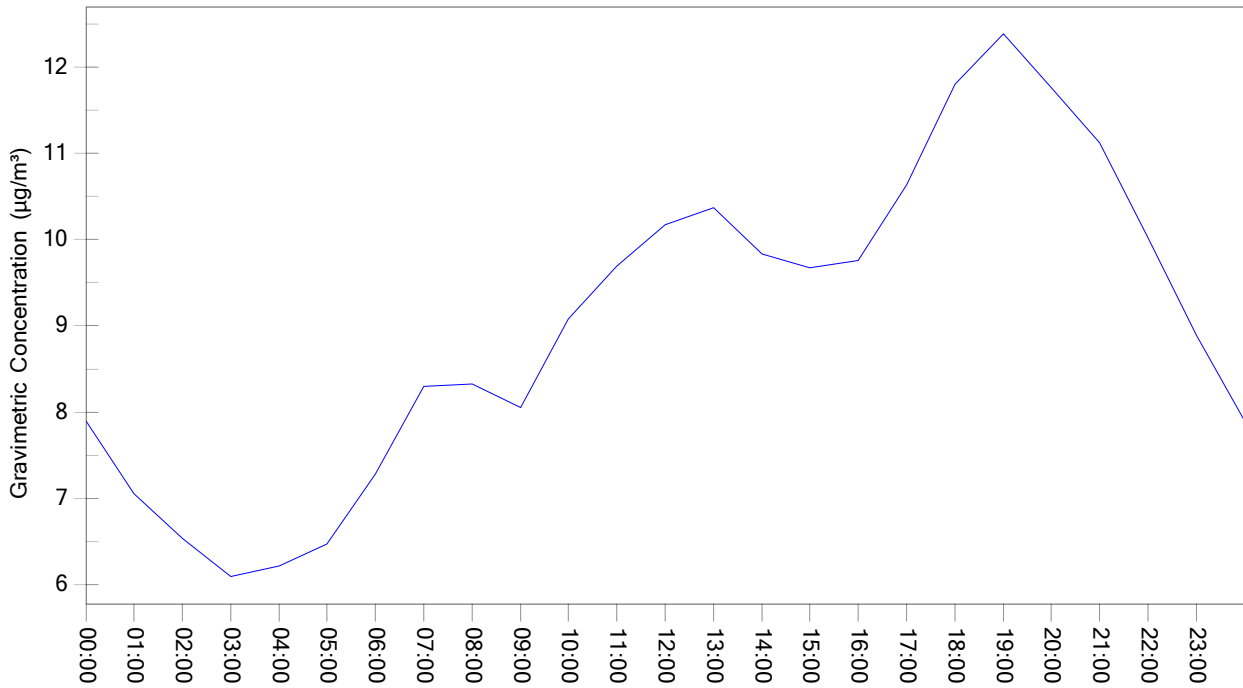
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Trend Gaphs for NO2

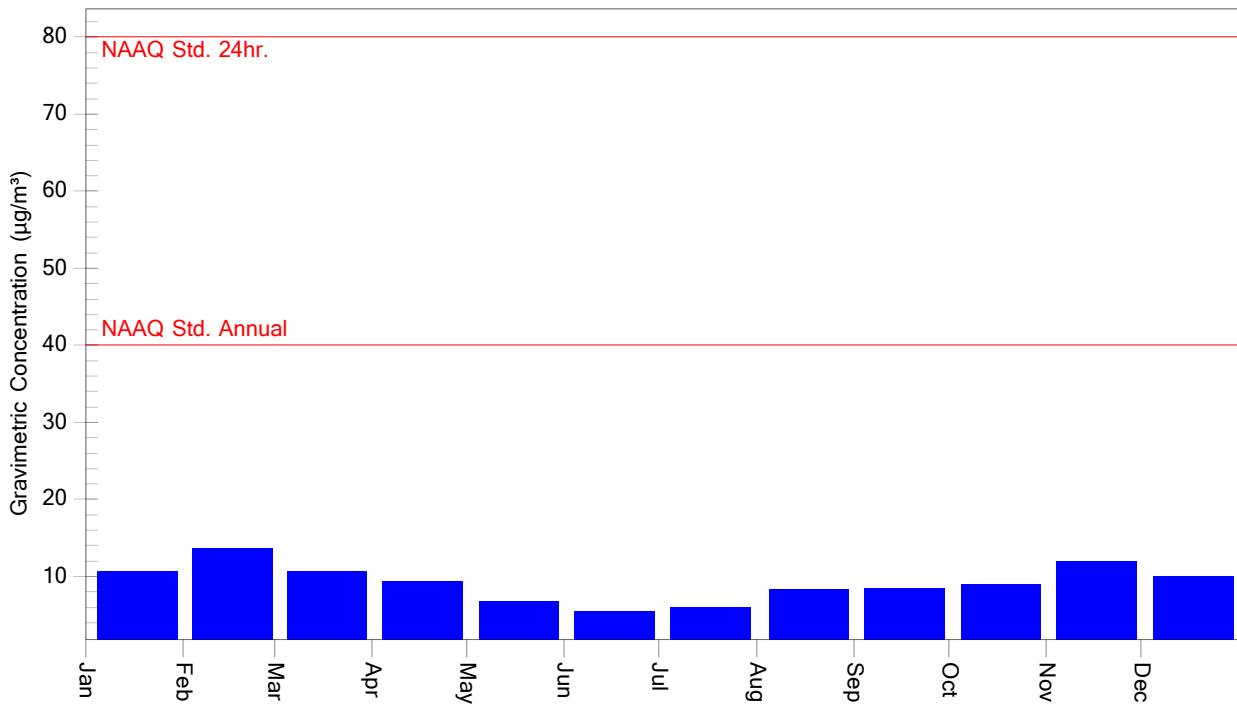
NO₂($\mu\text{g}/\text{m}^3$) Line Graph

1/1/2016 to 12/31/2016



NO₂($\mu\text{g}/\text{m}^3$) Bar Graph

1/1/2016 to 12/31/2016





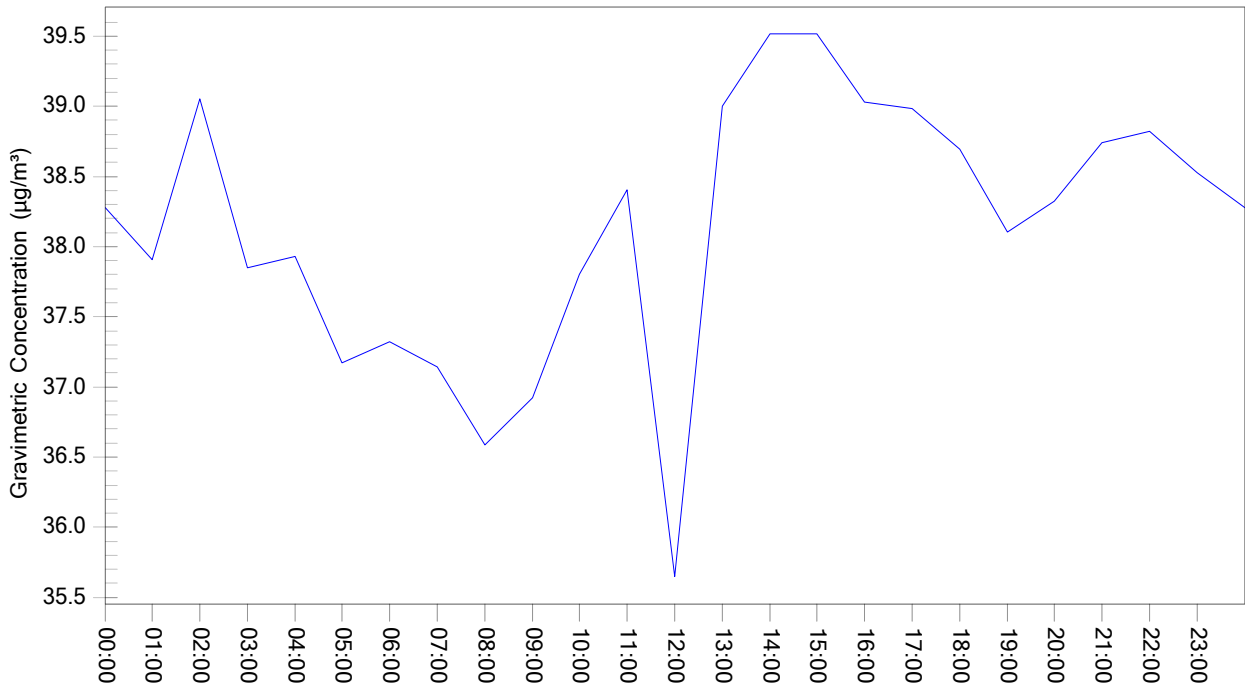
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Trend Gaphs for NH3

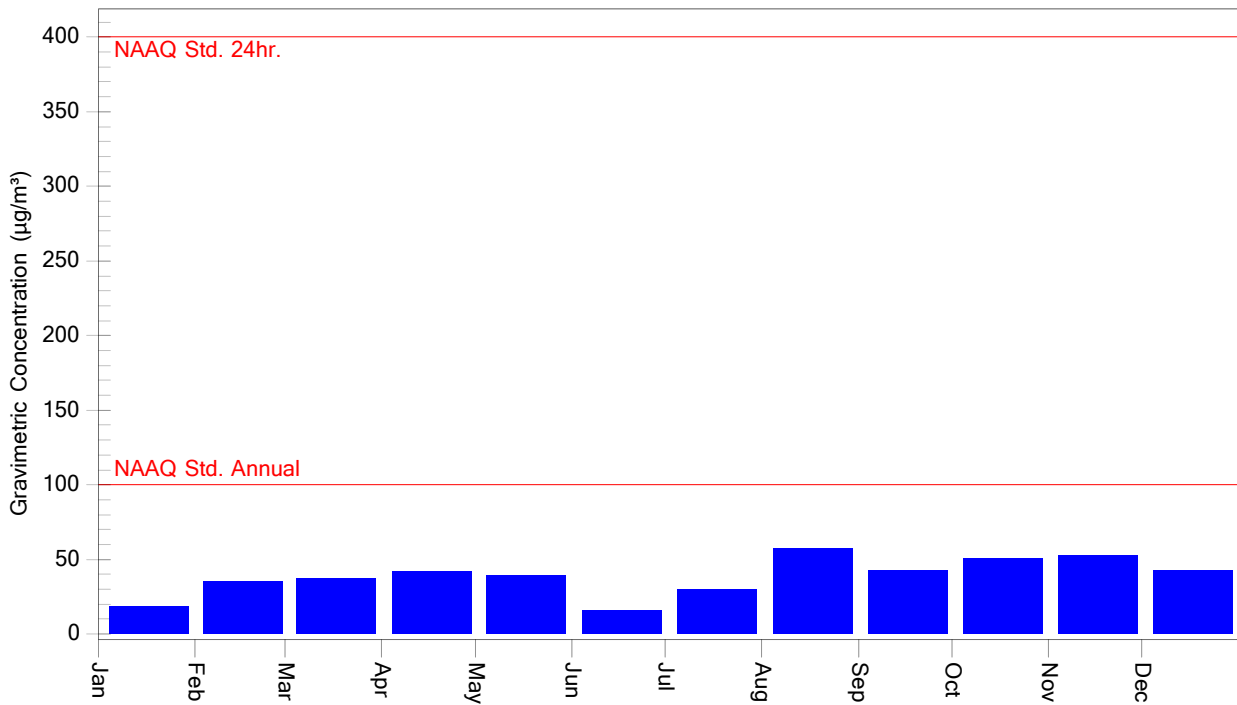
NH3($\mu\text{g}/\text{m}^3$) Line Graph

1/1/2016 to 12/31/2016



NH3($\mu\text{g}/\text{m}^3$) Bar Graph

1/1/2016 to 12/31/2016





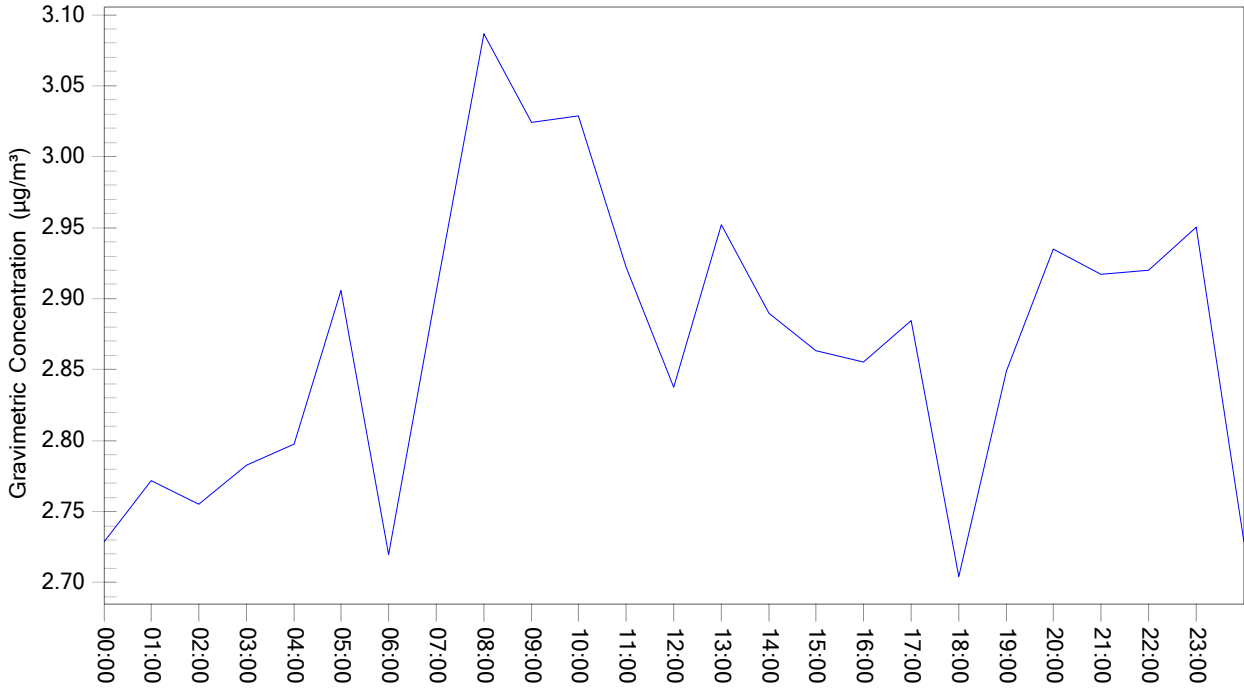
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Trend Gaphs for SO2

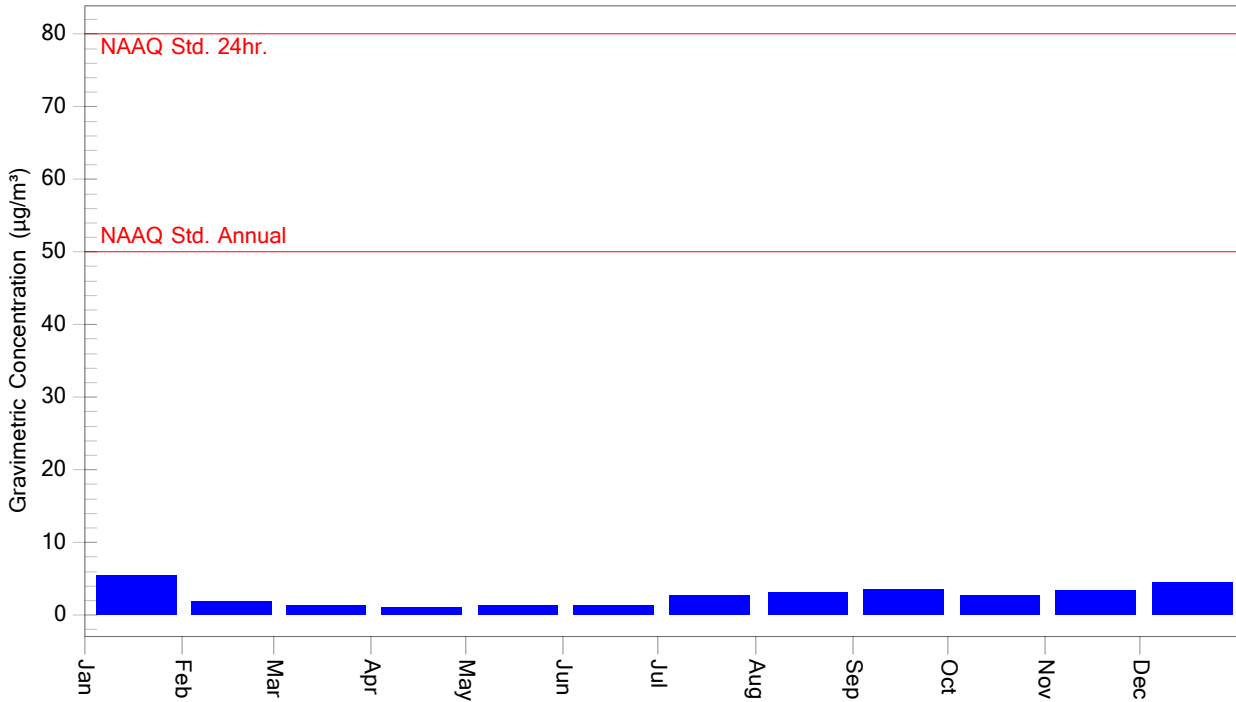
SO₂($\mu\text{g}/\text{m}^3$) Line Graph

1/1/2016 to 12/31/2016



SO₂($\mu\text{g}/\text{m}^3$) Bar Graph

1/1/2016 to 12/31/2016





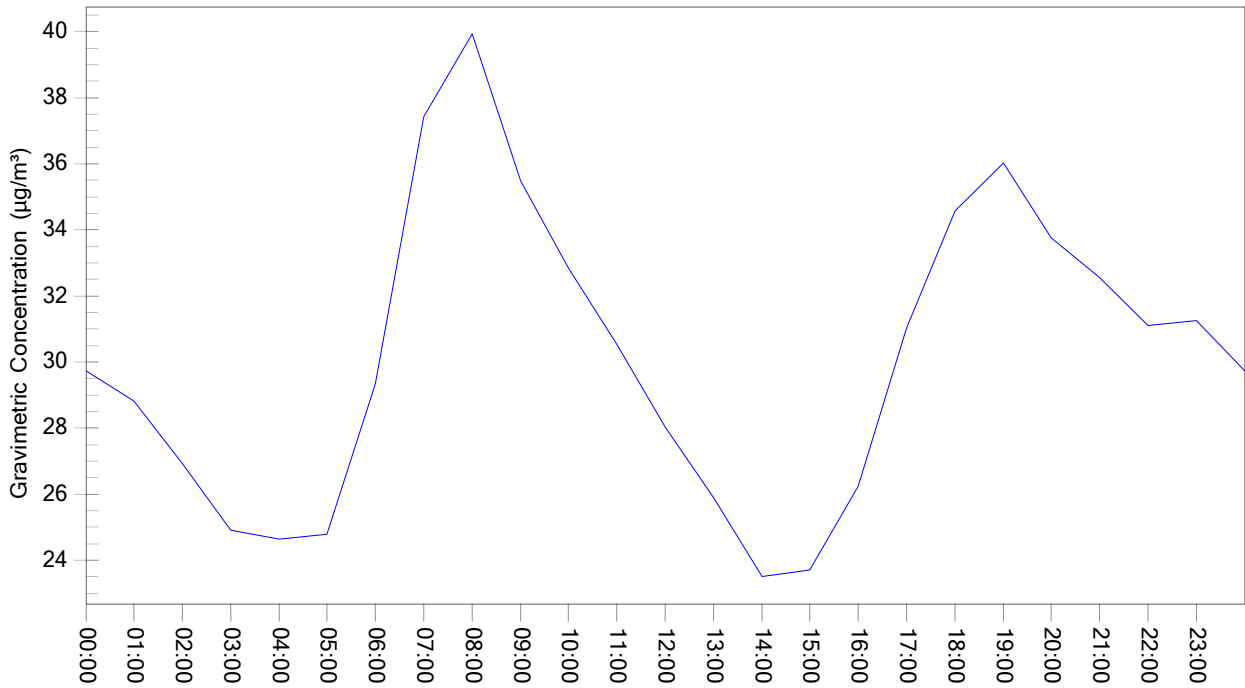
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Trend Gaphs for PM2.5

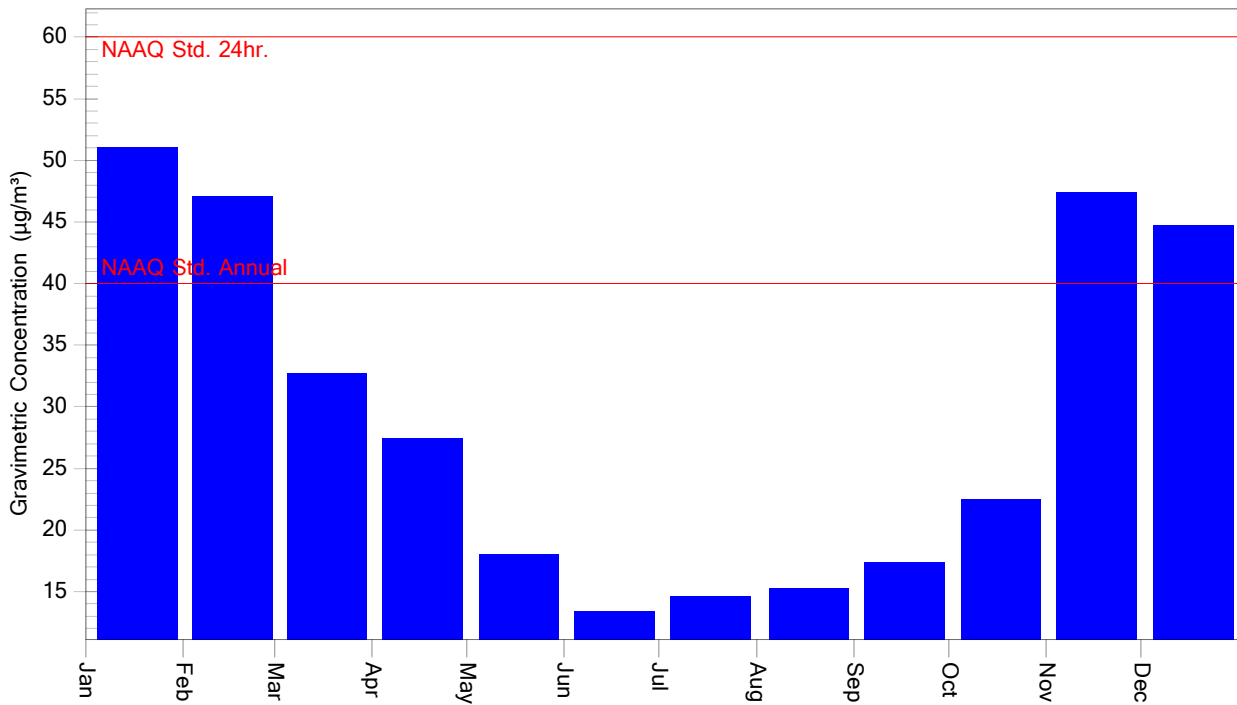
PM2.5($\mu\text{g}/\text{m}^3$) Line Graph

1/1/2016 to 12/31/2016



PM2.5($\mu\text{g}/\text{m}^3$) Bar Graph

1/1/2016 to 12/31/2016





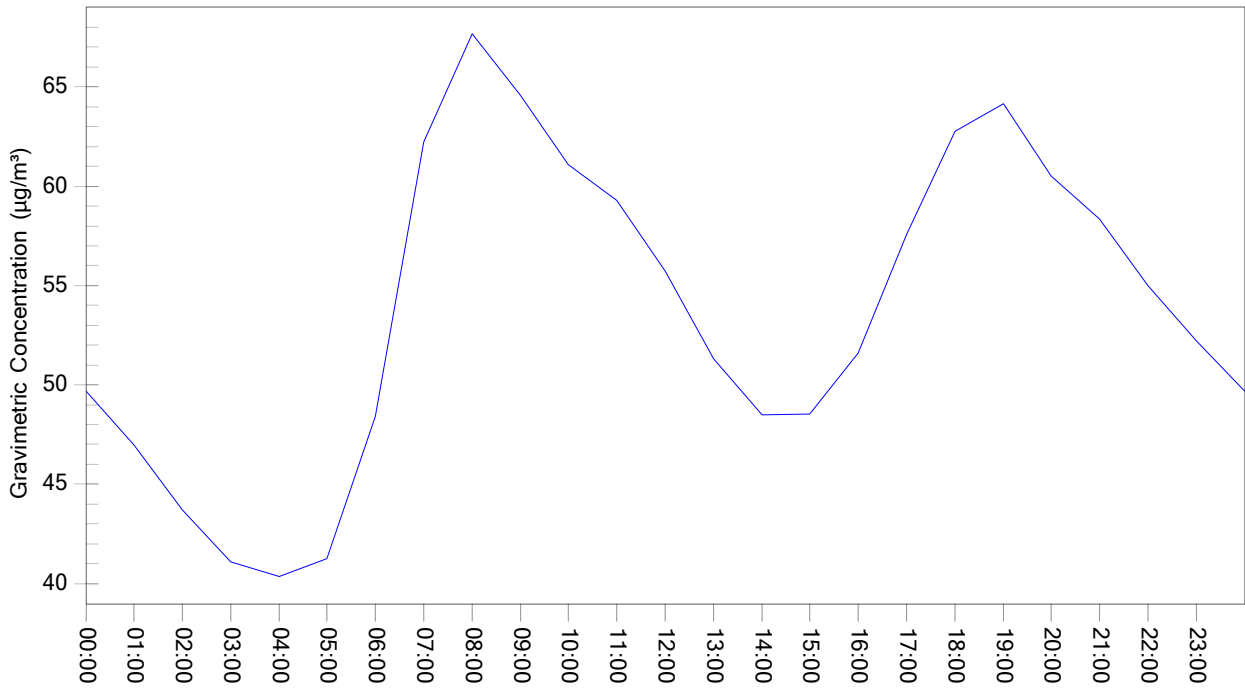
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Trend Gaphs for PM10

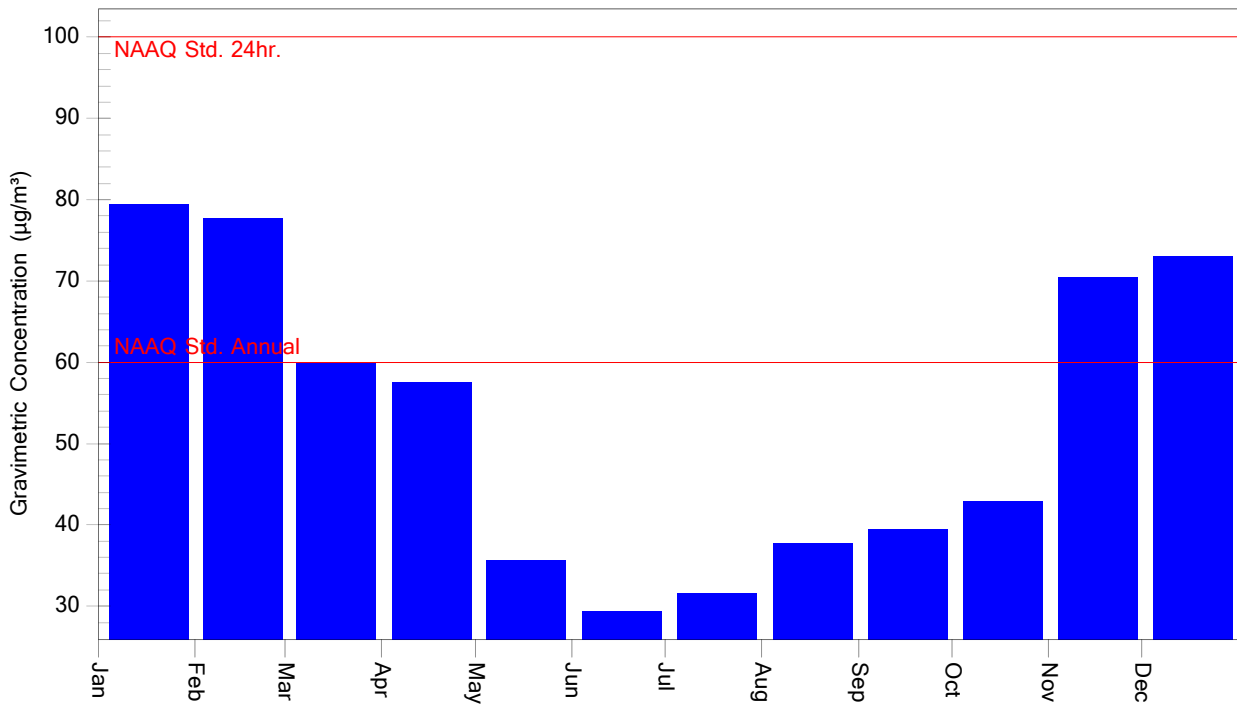
PM10($\mu\text{g}/\text{m}^3$) Line Graph

1/1/2016 to 12/31/2016



PM10($\mu\text{g}/\text{m}^3$) Bar Graph

1/1/2016 to 12/31/2016



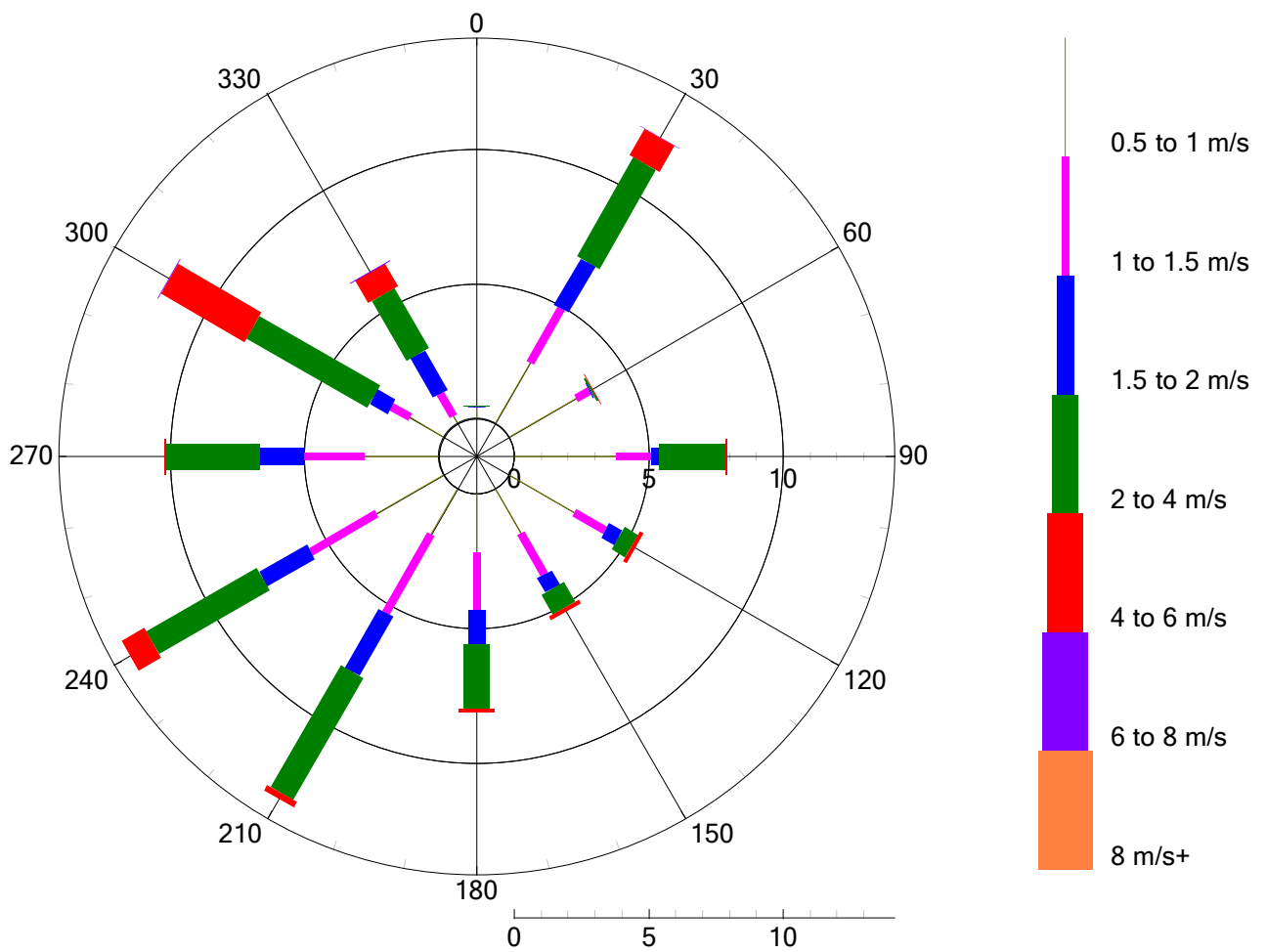


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Wind Rose

1/1/2016 to 12/31/2016



1.8% calm
94.9% valid data present

Prepared by: -



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