

SAMP DATA- MUVATTUPOZHA -SEPTEMBER 2023

Sampling Date	Monitoring Station	District Name	Latitude	Longitude	Type Of Location	State Name	Monitoring Agency	SO2_6AM_10AM	SO2_10AM_2PM	SO2_2PM_6PM	SO2_6PM_10PM	SO2_10PM_2AM	SO2_2AM_6AM	SO2 24 hourly average	Temperature	Min	Max	Weather
		District Name					Name of monitoring agency :	4-Hourly Value of SO2	4-Hourly Value of SO2	4-Hourly Value of SO2	4-Hourly Value of SO2	4-Hourly Value of SO2	Hourly Value of					
45170	MUVATTUPOZHA	EKM	9.9962	76.57251	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2	26	31		Partially Rainy
45173	MUVATTUPOZHA	EKM	9.9962	76.57251	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2	25	28		Partially Rainy
45176	MUVATTUPOZHA	EKM	9.9962	76.57251	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2	24	28		Partially Rainy
45180	MUVATTUPOZHA	EKM	9.9962	76.57251	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2	25	30		Partially Rainy
45183	MUVATTUPOZHA	EKM	9.9962	76.57251	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2	24	30		Partially Rainy
45187	MUVATTUPOZHA	EKM	9.9962	76.57251	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2	25	29		Partially Rainy
45189	MUVATTUPOZHA	EKM	9.9962	76.57251	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2	25	31		Partially Rainy
45198	MUVATTUPOZHA	EKM	9.9962	76.57251	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2	24	27		Rainy
RSPM_6AM_2PM	RSPM_2PM_10PM	RSPM_10PM_6AM	RSPM 24 hourly average	SPM_6AM_2PM	SPM_2PM_10PM	SPM_10PM_6AM	SPM 24 hourly average	NO2_6AM_10AM	NO2_10AM_2PM	NO2_2PM_6PM	NO2_6PM_10PM	NO2_10PM_2AM	NO2_2AM_6AM	NO2 24 hourly average				
8-Hourly Value of RSPM	8-Hourly Value of RSPM	8-Hourly Value of RSPM	8-Hourly Value of RSPM	8-Hourly Value of RSPM	8-Hourly Value of RSPM	8-Hourly Value of RSPM	8-Hourly Value of RSPM	4-Hourly Value of NO2	4-Hourly Value of NO2	4-Hourly Value of NO2	4-Hourly Value of NO2	4-Hourly Value of NO2	4-Hourly Value of NO2	4-Hourly Value of NO2				
32	49	19	33.333	160	86	76	107.33	4.5	4.5	4.5	10.4	4.5	4.5	5.48				
26	27	30	27.667	41	30	41	37.333	4.5	4.5	4.5	4.5	4.5	4.5	4.5				
16	35	37	29.333	21	77	46	48	4.5	9.5	4.5	4.5	4.5	4.5	5.33				
18	23	44	28.333	25	59	70	51.333	4.5	9.1	4.5	4.5	4.5	4.5	5.27				
30	36	28	31.333	44	44	55	47.667	4.5	4.5	4.5	4.5	4.5	4.5	4.5				
41	14	37	30.667	46	21	40	35.667	4.5	11.3	4.5	4.5	4.5	4.5	5.63				
23	17	15	18.333	80	33	22	45	4.5	4.5	4.5	4.5	4.5	4.5	4.5				
17	17	15	16.333	33	20	22	25	4.5	4.5	4.5	4.5	4.5	4.5	4.5				

IDUKKI SAMP DATA SEPTEMBER 2023(All paramaters are in µg/m³)

STN Code	Sampling Date	Monitoring Station	Latitude	Longitude	Type Of Location	City	District	State Name	Monitoring Agency	SO2_6AM_10AM	SO2_10AM_2PM	SO2_2PM_6PM	SO2_6PM_10PM	SO2_10PM_2AM_6AM	SO2_24 hourly	Temperature°C	
Station Code	Sampling date*:	Name of monitoring station :			Area class :	City :	District Name	State Name	Name of monitoring agency :	4-Hourly Value of SO2	4-Hourly Value of SO2	4-Hourly Value of SO2	4-Hourly Value of SO2	4-Hourly Value of SO2	4-Hourly Value of SO2	Min	Max
SAMP-NIL	04-09-2023	THODUPUZH	9.90398	76.711462	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0	
SAMP-NIL	07-09-2023	THODUPUZH	9.90398	76.711462	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0	
SAMP-NIL	11-09-2023	THODUPUZH	9.90398	76.711462	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0	
SAMP-NIL	13-09-2023	THODUPUZH	9.90398	76.711462	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0	
SAMP-NIL	15-09-2023	THODUPUZH	9.90398	76.711462	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0	
SAMP-NIL	18-09-2023	THODUPUZH	9.90398	76.711462	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0	
SAMP-NIL	20-09-2023	THODUPUZH	9.90398	76.711462	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0	
SAMP-NIL	24-05-2023	THODUPUZH	9.90422	76.711358	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0	
SAMP-NIL	26-05-2023	Thodupuzha	9.90422	76.711358	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0	
SAMP-NIL	25-09-2023	THODUPUZH	9.90398	76.711462	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0	
SAMP-NIL	28-09-2023	THODUPUZH	9.90398	76.711462	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0	
NO2_6AM_10AM	NO2_10AM-2PM	NO2_2PM-6PM	NO2_6PM_10PM	NO2_10PM_2AM	NO2_2AM_6AM	NO2_24 hourly	RSPM_6AM_2PM	RSPM_2PM_10PM	RSPM_10PM_6AM	RSPM_24 hourly	SPM_6AM_2PM	SPM_2PM_10PM	SPM_10PM_24	SPM_24	PM 2.5	Temperature°C	
4-Hourly Value of NO2	4-Hourly Value of NO2	4-Hourly Value of NO2	4-Hourly Value of NO2	4-Hourly Value of NO2	4-Hourly Value		8-Hourly Value	8-Hourly Value of RSPM	8-Hourly Value of RSPM		8-Hourly Value	8-Hourly Value	8-Hourly Value		24-hourly value	Min	Max
4.5	4.5	4.5	4.5	4.5	4.5	4.5	17	35	23	25	60	68	55	61	20	24	32
4.5	4.5	4.5	4.5	4.5	4.5	4.5	21	26	17	21	54	70	44	56	25	23	30
4.5	4.5	4.5	4.5	4.5	4.5	4.5	12	25	14	17	43	61	46	50	26	23	27
4.5	4.5	4.5	4.5	4.5	4.5	4.5	23	24	20	22	49	52	51	51	17	24	32
4.5	4.5	4.5	4.5	4.5	4.5	4.5	14	25	15	18	40	62	38	47	19	26	34
4.5	4.5	4.5	4.5	4.5	4.5	4.5	26	27	16	23	78	65	45	63	21	24	33
4.5	4.5	4.5	4.5	4.5	4.5	4.5	33	36	17	29	72	66	57	65	31	24	34
4.5	4.5	4.5	4.5	4.5	4.5	4.5	37	44	32	38	84	90	73	82	20	25	33
4.5	4.5	4.5	4.5	4.5	4.5	4.5	17	27	21	22	70	67	50	63	17	24	28

SAMP DATA IDUKKI(MUTTOM) SEPTEMBER 2023

STN Code	Sampling Date	Monitoring Station	Latitude	Longitude	Type Of Location	City	District	State	Monitoring Agency	SO2_6AM_10AM	SO2_10AM_2PM	SO2_2PM_6PM	SO2_6PM_10PM	SO2_10PM_2AM	SO2_2AM_6AM	SO2_24 hourly average	Temperature °C	
Station Code	Sampling date*:	Name of monitoring station :			Area class :	City :	District Name	State Name	Name of monitoring agency :	4-Hourly Value of SO2	4-Hourly Value of SO2	4-Hourly Value of SO2	4-Hourly Value of SO2	4-Hourly Value of SO2	4-Hourly Value of SO2		Min	Max
SAMP-NIL	04-09-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0	25	32
SAMP-NIL	07-09-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0	23	30
SAMP-NIL	11-09-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0	23	27
SAMP-NIL	13-09-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0	24	31
SAMP-NIL	15-09-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0	25	32
SAMP-NIL	18-09-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0	24	34
SAMP-NIL	20-09-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0	24	33
SAMP-NIL	25-09-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0	24	31
SAMP-NIL	28-09-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0	23	27
NO2_6AM_10AM	NO2_10AM-2PM	NO2_2PM-6PM	NO2_6PM_10PM	NO2_10PM_2AM	NO2_2AM_6AM	NO2_24 hourly average	RSPM_6AM_2PM	RSPM_2PM_10PM	RSPM_10PM_6AM	RSPM_24	SPM_6AM_2PM	SPM_2PM_10PM	SPM_10PM_6AM	SPM_24 hourly	PM 2.5	Weather		
4-Hourly Value of NO2	4-Hourly Value of NO2	4-Hourly Value of NO2	4-Hourly Value of NO2	4-Hourly Value of NO2	4-Hourly Value of NO2		8-Hourly Value of RSPM	8-Hourly Value of RSPM	8-Hourly Value of RSPM		8-Hourly Value	8-Hourly Value of SPM	8-Hourly Value of SPM		24-hourly value			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	11	15	14	13	44	49	34	42	24	Cloudy		
4.5	4.5	4.5	4.5	4.5	4.5	4.5	23	23	20	22	46	48	37	44	19	Partly Cloudy		
4.5	4.5	4.5	4.5	4.5	4.5	4.5	25	28	14	22	55	43	35	44	18	Partly cloudy		
4.5	4.5	4.5	4.5	4.5	4.5	4.5	15	28	17	20	19	47	39	35	18	Cloudy		
4.5	4.5	4.5	4.5	4.5	4.5	4.5	22	26	23	24	55	61	42	53	15	Cloudy		
4.5	4.5	4.5	4.5	4.5	4.5	4.5	14	27	11	17	32	47	32	37	18	Cloudy		
4.5	4.5	4.5	4.5	4.5	4.5	4.5	22	25	30	25	36	25	38	33	33	Cloudy		
4.5	4.5	4.5	4.5	4.5	4.5	4.5	24	27	27	26	45	55	41	47	47	Cloudy		
4.5	4.5	4.5	4.5	4.5	4.5	4.5	11	33	22	22	25	34	30	30	25	Rainy		

KANNUR DISTRICT SAMP DATA SEPTEMBER 2023

Sampling Date	Monitoring Station	Latitude	Longitude	Types of location	City	District	State	Monitoring agency	SO ₂							Temperature (°c)		Weather
									6AM-10AM	10AM-2PM	2PM-6PM	6PM-10PM	10PM-2AM	2AM-6AM	24hrs avg	Min	Max	
									4 hourly values of SO ₂									
01.09.2023	Kannur	11.8785	75.3764	COMMERCIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	26	33	CLEAR
04.09.2023	Kannur	11.8785	75.3764	COMMERCIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	25	31	CLEAR
07.09.2023	Kannur	11.8785	75.3764	COMMERCIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	24	29	CLEAR
11.09.2023	Kannur	11.8785	75.3764	COMMERCIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	23	29	RAIN
14.09.2023	Kannur	11.8785	75.3764	COMMERCIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	23	30	RAIN
18.09.2023	Kannur	11.8785	75.3764	COMMERCIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	23	30	RAIN
20.09.2023	Kannur	11.8785	75.3764	COMMERCIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	24	31	RAIN
25.09.2023	Kannur	11.8785	75.3764	COMMERCIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	24	31	CLEAR
28.09.2023	Kannur	11.8785	75.3764	COMMERCIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	24	28	RAIN
NOX							RSPM			RSPM 24hrs avg	SPM			SPM 24 hrs avg	PM 2.5			
6AM-10AM	10AM-2PM	2PM-6PM	6PM-10PM	10PM-2AM	2AM-6AM	24hrs avg	6AM-2PM	2PM-10PM	10PM-6AM		6AM-2PM	2PM-10PM	10PM-6AM					
4 hourly values of NOx																		
4.5	4.5	4.5	4.5	4.5	4.5	4.5	18.7	23.1	51.8	31.2	45.7	40.0	58.2	48.0	13.80			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	25.3	5.4	62.4	31.0	36.7	18.9	73.2	42.9	20.48			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	21.6	16.6	31.2	23.1	26.4	21.7	39.9	29.3	28.27			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	24.8	21.0	26.5	24.1	41.6	37.5	63.8	47.6	17.72			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	17.9	21.2	33.7	24.3	35.4	38.2	64.4	46.0	16.81			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	17.5	33.5	39.6	30.2	34.0	49.0	71.4	51.5	21.39			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.7	16.0	40.9	20.9	18.2	33.6	71.1	41.0	21.71			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	16.0	15.8	13.1	15.0	31.8	30.1	29.7	30.5	17.90			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	24.9	25.2	32.9	27.6	41.5	39.9	66.5	49.3	22.50			

KANNUR DISTRICT SAMP DATA- MANGATTPARAMBA- SEPTEMBER 2023

Sampling Date	Monitoring Station	Latitude	Longitude	Types of location	City	District	State	Monitoring agency	SO2							Temperature(°c)		Weather
									6AM-10AM	10AM-2PM	2PM-6PM	6PM-10PM	10PM-2AM	2AM-6AM	24hrs avg	Min	Max	
									4 hourly values of SO2									
01.09.2023	MANGATTPARAMBA	11.98657	75.382	INDUSTRIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	26	33	CLEAR
04.09.2023	MANGATTPARAMBA	11.98657	75.382	INDUSTRIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	25	31	CLEAR
07.09.2023	MANGATTPARAMBA	11.98657	75.382	INDUSTRIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	24	29	CLEAR
11.09.2023	MANGATTPARAMBA	11.98657	75.382	INDUSTRIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	23	29	RAIN
14.09.2023	MANGATTPARAMBA	11.98657	75.382	INDUSTRIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	23	30	RAIN
18.09.2023	MANGATTPARAMBA	11.98657	75.382	INDUSTRIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	23	30	RAIN
20.09.2023	MANGATTPARAMBA	11.98657	75.382	INDUSTRIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	24	31	RAIN
25.09.2023	MANGATTPARAMBA	11.98657	75.382	INDUSTRIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	24	31	CLEAR
28.09.2023	MANGATTPARAMBA	11.98657	75.382	INDUSTRIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	24	28	RAIN
NOx								RSPM				SPM			SPM	PM 2.5		
6AM-10AM	10AM-2PM	2PM-6PM	6PM-10PM	10PM-2AM	2AM-6AM	24hrs avg	6AM-2PM	2PM-10PM	10PM-6AM	24HR AVG	6AM-2PM	2PM-10PM	10PM-6AM	24 hrs avg				
4 hourly values of NOx																		
4.5	4.5	4.5	4.5	4.5	4.5	4.5	7.827	17.04	45	23.4	16	32.7	108	53	13.9			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	22.53	15.49	47	28.2	36	32	50.6	39	19.1			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	32.63	30.97	32	32	48	50.7	79.2	59	29.3			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	14.66	12.37	40	22.4	56	35.7	68.4	53	24.4			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	19.09	17.17	34	23.5	37	33.9	73	48	25.6			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	18.2	25.06	35	26	38	48.2	70.5	52	29.5			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	25.98	23.18	36	28.2	46	45.7	65.9	52	28.7			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	14.97	14.97	31	20.4	8.3	49.6	62	40	17.6			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	24.18	13.29	41	26	47	31.4	73.5	51	26.7			

SAMP DATA PALAKKAD SEPTEMBER 2023

STN Code	Sampling Date	Monitoring Station	Latitude	Longitude	Type Of Location	City	District	State Name	Monitoring Agency	SO2_6AM_10AM	SO2_10AM_14PM	SO2_14PM_18PM	SO2_18PM_22PM	SO2_22PM_2AM	SO2_2AM_6AM	SO2 24 hourly average	Temperature	
Station Code	Sampling date*:	Name of monitoring station :			Area class :	City :	District Name	State Name	Name of monitoring agency :	4-Hourly Value of SO2	4-Hourly Value of SO2	4-Hourly Value of SO2	4-Hourly Value of SO2	4-Hourly Value of SO2	4-Hourly Value of SO2		Min	Max
311B	45170	BEML LIMITED	10.78963	76.78574	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2	25	36
311B	45173	BEML LIMITED	10.78963	76.78574	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2	23	32
311B	45176	BEML LIMITED	10.78963	76.78574	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2	23	31
311B	45180	BEML LIMITED	10.78963	76.78574	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2	23	32
311B	45183	BEML LIMITED	10.78963	76.78574	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2	23	32
311B	45187	BEML LIMITED	10.78963	76.78574	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2	23	33
311B	45189	BEML LIMITED	10.78963	76.78574	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2	23	34
311B	45194	BEML LIMITED	10.78963	76.78574	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2	23	34
311B	45198	BEML LIMITED	10.78963	76.78574	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2	22	30
NO2_6AM_10AM	NO2_10AM14PM	NO2_14PM18PM	NO2_18PM_22PM	NO2_22PM_2AM	NO2_2AM_6AM	NO2 24 hourly average	RSPM_6AM_14PM	RSPM_14PM_22PM	RSPM_22PM_6AM	RSPM 24 hourly average	SPM_6AM_14PM	SPM_14PM_22PM	SPM_22PM_6AM	SPM 24 hourly average				
4-Hourly Value	4-Hourly Value	4-Hourly Value	4-Hourly Value	4-Hourly Value	4-Hourly Value	4-Hourly Value of NO2	8-Hourly Value	8-Hourly Value	8-Hourly Value	8-Hourly Value of RSPM	8-Hourly Value	8-Hourly Value	8-Hourly Value	8-Hourly Value of SPM	24-hourly value			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	32	21	29	27	59	47	65	57	11			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	40	44	40	41	90	116	52	86	30			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	25	44	52	40	52	76	71	66	33			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	83	34	38	52	121	66	58	82	32			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	73	27	25	42	98	61	45	68	25			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	29	31	24	28	58	70	46	58	10			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	24	28	27	26	85	79	92	85	13			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	63	80	42	62	148	131	72	117	28			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	34	32	28	31	74	72	59	68	21			