

**Appendix 3.10**  
**Calculation of Emission Factor in**  
**Year 2031 (Portal &**  
**Ventilation Building)**

Appendix 3.10 Details for the calculations of Portals

Year 2031																		Emission Factor for NO <sub>x</sub> in gm/mile-veh (Trunk Roads)												NO <sub>x</sub> E.F.							
																		Motor Cycles	Petrol PC & LGV	Taxi	Non-franchised Buses <6.4t	Non-franchised Buses 6.4-15t	Non-franchised Buses >15t	Private Light Buses <3.5t	Private Light Buses >3.5t	Diesel PC&LGV <2.5t	Diesel LGV 2.5-3.5t	Diesel LGV >3.5t	HGV<15t	HGV>15t	Single Deck Franchised Buses	Double Deck Franchised Buses	Public Light Buses	(g/mile-veh)			
																		1.122	0.143	0.238	0.000	3.772	7.178	0.000	0.327	0.401	0.264	2.153	4.418	5.454	2.517	2.789	0.121				
																		Emission Factor for NO <sub>x</sub> in gm/mile-veh (Other Roads)																			
																		Motor Cycles	Petrol PC & LGV	Taxi	Non-franchised Buses <6.4t	Non-franchised Buses 6.4-15t	Non-franchised Buses >15t	Private Light Buses <3.5t	Private Light Buses >3.5t	Diesel PC&LGV <2.5t	Diesel LGV 2.5-3.5t	Diesel LGV >3.5t	HGV<15t	HGV>15t	Single Deck Franchised Buses	Double Deck Franchised Buses	Public Light Buses				
																		1.061	0.154	0.259	0.000	4.721	3.660	0.000	0.339	0.416	0.270	2.224	4.605	6.020	2.473	2.822	0.116				
Roads Name	O	Q	Motor Cycles	Petrol PC & LGV	Taxi	Non-franchised Buses <6.4t	Non-franchised Buses 6.4-15t	Non-franchised Buses >15t	Private Light Buses <3.5t	Private Light Buses >3.5t	Diesel PC&LGV <2.5t	Diesel LGV 2.5-3.5t	Diesel LGV >3.5t	HGV<15t	HGV>15t	Single Deck Franchised Buses	Double Deck Franchised Buses	Public Light Buses																			
Cross Harbour Tunnel	3697	3697	0.04	0.46	0.16	0.00	0.07	0.00	0.00	0.02	0.04	0.04	0.04	0.06	0.00	0.01	0.04	0.02	165.9	243.7	140.6	0.0	976.1	3.660	0.000	0.339	0.416	0.270	2.224	4.605	6.020	2.473	2.822	0.116	0.936		
Expo Drive Central	467	467	0.04	0.42	0.37	0.00	0.13	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.8	30.3	44.7	0.0	286.6	0.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.830	
P2 Road (Eastbound) Under HKCEC Atrium Link Deckover	420	420	0.04	0.37	0.34	0.00	0.12	0.00	0.00	0.03	0.02	0.02	0.02	0.03	0.00	0.00	0.01	0.00	17.8	24.0	36.9	0.0	238.0	0.0	0.0	4.3	3.5	2.3	18.7	58.0	0.0	0.0	11.9	0.0	0.0	0.989	
P2 Road (Westbound) Under HKCEC Atrium Link Deckover	1086	1086	0.04	0.44	0.39	0.00	0.05	0.00	0.00	0.01	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	46.1	74.5	108.8	0.0	247.6	0.0	0.0	3.4	9.4	6.1	50.4	41.4	0.0	0.0	0.0	0.0	0.0	0.541	
Central Wan Chai Bypass (Westbound) Under HKCEC Atrium Link Deckover	1490	1490	0.05	0.55	0.30	0.00	0.01	0.00	0.00	0.00	0.03	0.03	0.02	0.01	0.00	0.00	0.00	0.00	79.1	126.6	115.6	0.0	70.3	0.0	0.0	0.0	18.6	12.1	66.3	68.6	0.0	0.0	0.0	0.0	0.0	0.374	
Convention Avenue Under HKCEC Atrium Link Deckover	1044	1044	0.05	0.49	0.33	0.00	0.04	0.00	0.00	0.01	0.01	0.01	0.02	0.04	0.00	0.00	0.00	0.00	55.4	79.0	89.1	0.0	197.2	0.0	0.0	3.5	4.3	2.8	46.4	192.3	0.0	0.0	0.0	0.0	0.0	0.642	
Expo Drive	2081	1640	0.03	0.33	0.29	0.00	0.11	0.00	0.00	0.03	0.04	0.04	0.04	0.08	0.01	0.00	0.00	0.00	75.6	120.4	164.0	0.0	935.0	0.0	0.0	18.2	27.3	17.7	145.9	604.1	98.7	0.0	0.0	0.0	0.0	0.0	1.061
P2 Road between Tim Wa Ave. and Tim Mei Ave.	2300	1039	0.04	0.43	0.38	0.00	0.05	0.00	0.00	0.02	0.02	0.02	0.03	0.01	0.00	0.00	0.00	0.00	97.6	152.8	225.9	0.0	543.0	0.0	0.0	15.6	19.1	12.4	153.5	105.9	0.0	0.0	0.0	0.0	0.0	0.576	
Central Wan Chai Bypass (Eastbound) Under HKCEC Atrium Link Deckover	1634	1634	0.06	0.61	0.26	0.00	0.05	0.00	0.00	0.02	0.02	0.02	0.03	0.01	0.00	0.00	0.00	0.00	104.0	153.9	109.8	0.0	385.7	0.0	0.0	5.5	0.0	0.0	36.3	0.0	0.0	0.0	0.0	0.0	0.0	0.487	

  

Emission Factor for RSP in gm/mile-veh (Trunk Roads)																		RSP E.F.																
																		Motor Cycles	Petrol PC & LGV	Taxi	Non-franchised Buses <6.4t	Non-franchised Buses 6.4-15t	Non-franchised Buses >15t	Private Light Buses <3.5t	Private Light Buses >3.5t	Diesel PC&LGV <2.5t	Diesel LGV 2.5-3.5t	Diesel LGV >3.5t	HGV<15t	HGV>15t	Single Deck Franchised Buses	Double Deck Franchised Buses	Public Light Buses	(g/mile-veh)
																		0.049	0.005	0.019	0.000	0.143	0.143	0.000	0.197	0.128	0.081	0.155	0.255	0.364	0.163	0.081	0.089	
																		Emission Factor for RSP in gm/mile-veh (Other Roads)																
																		Motor Cycles	Petrol PC & LGV	Taxi	Non-franchised Buses <6.4t	Non-franchised Buses 6.4-15t	Non-franchised Buses >15t	Private Light Buses <3.5t	Private Light Buses >3.5t	Diesel PC&LGV <2.5t	Diesel LGV 2.5-3.5t	Diesel LGV >3.5t	HGV<15t	HGV>15t	Single Deck Franchised Buses	Double Deck Franchised Buses	Public Light Buses	
																		0.050	0.006	0.025	0.000	0.179	0.179	0.000	0.242	0.152	0.090	0.184	0.307	0.412	0.113	0.090	0.083	
Roads Name	O	Q	Motor Cycles	Petrol PC & LGV	Taxi	Non-franchised Buses <6.4t	Non-franchised Buses 6.4-15t	Non-franchised Buses >15t	Private Light Buses <3.5t	Private Light Buses >3.5t	Diesel PC&LGV <2.5t	Diesel LGV 2.5-3.5t	Diesel LGV >3.5t	HGV<15t	HGV>15t	Single Deck Franchised Buses	Double Deck Franchised Buses	Public Light Buses																
Cross Harbour Tunnel	1857	3697	0.9363	0.0576	1.110E+00	6.828E-02																												
Expo Drive Central	153	467	0.8303	0.0469	1.024E-02	5.787E-04																												
P2 Road (Eastbound) Under HKCEC Atrium Link Deckover	138	420	0.9888	0.0602	9.892E-03	6.026E-04																												
P2 Road (Westbound) Under HKCEC Atrium Link Deckover	130	1086	0.5412	0.0368	1.319E-02	8.972E-04																												
CWB Slip Road 3 (Westbound) Under HKCEC Atrium Link Deckover	90	1490	0.3739	0.0293	8.654E-03	6.781E-04																												
Convention Avenue Under HKCEC Atrium Link Deckover	132	1044	0.6418	0.0418	1.527E-02	9.951E-04																												
Expo Drive	170	2081	1.0605	0.0710	6.476E-02	4.335E-03																												
P2 Road between Tim Wa Ave. and Tim Mei Ave.	90	2300	0.5764	0.0415	2.060E-02	1.482E-03																												
CWB Slip Road 2 (Eastbound) Under HKCEC Atrium Link Deckover	106	1634	0.4868	0.0266	1.455E-02	7.956E-04																												
Slip Road 1*					0.000E+00	0.000E+00																												
Slip Road 3*					0.000E+00	0.000E+00																												
Trunk Road* (Eastbound)					0.000E+00	0.000E+00																												

Emission from Portal						
ID	Length (m)	Q (veh/hr)	Original E.F. NO <sub>x</sub> E.F. (g/mile-veh)	Original E.F. RSP E.F. (g/mile-veh)	Original mass NO <sub>x</sub> (g/s)	Original mass RSP (g/s)
Cross Harbour Tunnel	1857	3697	0.9363	0.0576	1.110E+00	6.828E-02
Expo Drive Central	153	467	0.8303	0.0469	1.024E-02	5.787E-04
P2 Road (Eastbound) Under HKCEC Atrium Link Deckover	138	420	0.9888	0.0602	9.892E-03	6.026E-04
P2 Road (Westbound) Under HKCEC Atrium Link Deckover	130	1086	0.5412	0.0368	1.319E-02	8.972E-04
CWB Slip Road 3 (Westbound) Under HKCEC Atrium Link Deckover	90	1490	0.3739	0.0293	8.654E-03	6.781E-04
Convention Avenue Under HKCEC Atrium Link Deckover	132	1044	0.6418	0.0418	1.527E-02	9.951E-04
Expo Drive	170	2081	1.0605	0.0710	6.476E-02	4.335E-03
P2 Road between Tim Wa Ave. and Tim Mei Ave.	90	2300	0.5764	0.0415	2.060E-02	1.482E-03
CWB Slip Road 2 (Eastbound) Under HKCEC Atrium Link Deckover	106	1634	0.4868	0.0266	1.455E-02	7.956E-04
Slip Road 1*					0.000E+00	0.000E+00
Slip Road 3*					0.000E+00	0.000E+00
Trunk Road* (Eastbound)					0.000E+00	0.000E+00

Emission from Ventilation Building						
ID	Length (m)	Q (veh/hr)	Original E.F. NO <sub>x</sub> E.F. (g/mile-veh)	Original E.F. RSP E.F. (g/mile-veh)	Original mass NO <sub>x</sub> (g/s)	Original mass RSP (g/s)
East Ventilation Building* (Trunk Road Eastbound)					2.000E+00	2.258E-02
Central Ventilation Building* (Trunk Roads + Slip Roads)					3.966E+00	3.003E-01

- Notes:
- The emission of Trunk Road (Eastbound) is emitted through Central Ventilation Building, East Ventilation Building and portal.
  - The emission of Trunk Road (Westbound) is emitted through Central Ventilation Building, West Ventilation Building and portal.
  - The emissions of West Ventilation building and Portal of Trunk Road Westbound are based on the design of CR111 EIA.
  - The portal emissions of Slip Road 1 and Slip Road 3 are emitted through Central Ventilation Building
  - \* The emission rates are provided by tunnel engineer



Appendix 3.10 Details for the calculations of Portals

Read ID	Source ID	X	Y	Emission Factor (QS)	HS	SY	SZ				
Cross Harbour Tunnel	10	101	36891.7	16077.6	9.103E-03	3.00	4.65	2.79			
		102	36886.6	16066.7	1.479E-01	9.103E-03	3.00	4.65	2.79		
		103	36881.4	16061.8	1.479E-01	9.103E-03	3.00	4.65	2.79		
		104	36876.2	16053.8	1.479E-01	9.103E-03	3.00	4.65	2.79		
		105	36870.9	16045.9	1.479E-01	9.103E-03	3.00	4.65	2.79		
		106	36864.9	16038.1	7.397E-02	4.552E-03	3.00	4.65	2.79		
		107	36857.9	16030.4	7.397E-02	4.552E-03	3.00	4.65	2.79		
		108	36851.1	16022.8	7.397E-02	4.552E-03	3.00	4.65	2.79		
		109	36844.2	16015.2	7.397E-02	4.552E-03	3.00	4.65	2.79		
		110	36837.2	16007.5	7.397E-02	4.552E-03	3.00	4.65	2.79		
		Expo Drive Central	7.5	301	35595.2	15881.3	8.533E-04	4.822E-05	3.75	2.79	3.49
				302	35592.1	15881.9	8.533E-04	4.822E-05	3.75	2.79	3.49
				303	35586.2	15882.2	8.533E-04	4.822E-05	3.75	2.79	3.49
				304	35574.3	15882.8	8.533E-04	4.822E-05	3.75	2.79	3.49
				305	35580.3	15883.2	8.533E-04	4.822E-05	3.75	2.79	3.49
				306	35586.3	15883.5	8.533E-04	4.822E-05	3.75	2.79	3.49
307	35581.9			15884.2	8.533E-04	4.822E-05	3.75	2.79	3.49		
308	35588.2			15884.6	8.533E-04	4.822E-05	3.75	2.79	3.49		
309	36003.5			15885.0	4.267E-04	2.411E-05	3.75	2.79	3.49		
310	36009.6			15885.4	4.267E-04	2.411E-05	3.75	2.79	3.49		
311	36015.1			15886.1	4.267E-04	2.411E-05	3.75	2.79	3.49		
312	36021.6			15886.6	4.267E-04	2.411E-05	3.75	2.79	3.49		
313	36027.3			15887.0	4.267E-04	2.411E-05	3.75	2.79	3.49		
314	36033.5			15887.5	4.267E-04	2.411E-05	3.75	2.79	3.49		
315	36039.6			15888.0	4.267E-04	2.411E-05	3.75	2.79	3.49		
316	36045.4			15888.6	4.267E-04	2.411E-05	3.75	2.79	3.49		
P2 Road (Eastbound) Under the HKCEC Atrium Link Deckover	8	401	35941.5	15834.8	1.098E-03	6.696E-05	3.75	3.72	3.49		
		402	35950.0	15835.5	1.098E-03	6.696E-05	3.75	3.72	3.49		
		403	35958.2	15835.7	1.098E-03	6.696E-05	3.75	3.72	3.49		
		404	35966.7	15836.6	1.098E-03	6.696E-05	3.75	3.72	3.49		
		405	35973.3	15836.1	1.098E-03	6.696E-05	3.75	3.72	3.49		
		406	35982.0	15836.7	1.098E-03	6.696E-05	3.75	3.72	3.49		
		407	35989.5	15837.1	5.498E-04	3.348E-05	3.75	3.72	3.49		
		408	35997.8	15837.1	5.498E-04	3.348E-05	3.75	3.72	3.49		
		409	36006.1	15837.4	5.498E-04	3.348E-05	3.75	3.72	3.49		
		410	36013.6	15837.7	5.498E-04	3.348E-05	3.75	3.72	3.49		
		411	36021.6	15837.9	5.498E-04	3.348E-05	3.75	3.72	3.49		
		412	36029.7	15838.5	5.498E-04	3.348E-05	3.75	3.72	3.49		
		P2 Road (Westbound) Under the HKCEC Atrium Link Deckover	8	501	35800.4	15812.4	1.468E-03	9.969E-05	3.75	3.72	3.49
				502	35793.1	15812.3	1.468E-03	9.969E-05	3.75	3.72	3.49
				503	35785.5	15811.8	1.468E-03	9.969E-05	3.75	3.72	3.49
				504	35776.8	15811.7	1.468E-03	9.969E-05	3.75	3.72	3.49
505	35768.8			15811.3	1.468E-03	9.969E-05	3.75	3.72	3.49		
506	35761.3			15810.9	1.468E-03	9.969E-05	3.75	3.72	3.49		
507	35753.3			15810.7	7.326E-04	4.894E-05	3.75	3.72	3.49		
508	35744.9			15810.5	7.326E-04	4.894E-05	3.75	3.72	3.49		
509	35736.8			15810.4	7.326E-04	4.894E-05	3.75	3.72	3.49		
510	35729.0			15809.9	7.326E-04	4.894E-05	3.75	3.72	3.49		
511	35720.6			15809.6	7.326E-04	4.894E-05	3.75	3.72	3.49		
512	35713.2			15809.5	7.326E-04	4.894E-05	3.75	3.72	3.49		
Central Wan Chai Bypass (Westbound) Under the HKCEC Atrium Link Deckover	10.5			601	35801.1	15900.1	1.154E-03	9.041E-05	3.75	4.88	3.49
				602	35790.5	15899.8	1.154E-03	9.041E-05	3.75	4.88	3.49
				603	35780.7	15899.3	1.154E-03	9.041E-05	3.75	4.88	3.49
				604	35770.2	15898.6	1.154E-03	9.041E-05	3.75	4.88	3.49
		605	35760.9	15898.4	1.154E-03	9.041E-05	3.75	4.88	3.49		
		606	35750.9	15897.7	5.769E-04	4.520E-05	3.75	4.88	3.49		
		607	35740.9	15897.4	5.769E-04	4.520E-05	3.75	4.88	3.49		
		608	35731.0	15896.8	5.769E-04	4.520E-05	3.75	4.88	3.49		
		609	35721.0	15896.4	5.769E-04	4.520E-05	3.75	4.88	3.49		
		610	35710.7	15896.4	5.769E-04	4.520E-05	3.75	4.88	3.49		

Appendix 3.10 Details for the calculations of Portals

Road ID	Height	Width	Source ID	X	Y	Emission Factor (QS)			HS	SY	SZ
						NOx	RSP				
Convention Avenue											
701	7.5	7	35808.9	15854.2	1.454E-03	9.477E-05		3.75	3.26	3.49	
702			35801.3	15853.8	1.454E-03	9.477E-05		3.75	3.26	3.49	
703			35795.2	15853.4	1.454E-03	9.477E-05		3.75	3.26	3.49	
704			35788.3	15852.3	1.454E-03	9.477E-05		3.75	3.26	3.49	
705			35781.6	15852.3	1.454E-03	9.477E-05		3.75	3.26	3.49	
706			35774.4	15851.7	1.454E-03	9.477E-05		3.75	3.26	3.49	
707			35767.2	15851.1	1.454E-03	9.477E-05		3.75	3.26	3.49	
708			35760.4	15850.7	1.454E-03	9.477E-05		3.75	3.26	3.49	
709			35753.6	15850.1	1.454E-03	9.477E-05		3.75	3.26	3.49	
710			35746.6	15849.8	1.454E-03	9.477E-05		3.75	3.26	3.49	
711			35739.9	15849.2	1.454E-03	9.477E-05		3.75	3.26	3.49	
712			35733.0	15848.7	1.454E-03	9.477E-05		3.75	3.26	3.49	
713			35726.0	15848.6	1.454E-03	9.477E-05		3.75	3.26	3.49	
714			35718.5	15847.6	1.454E-03	9.477E-05		3.75	3.26	3.49	
715			35711.5	15846.8	1.454E-03	9.477E-05		3.75	3.26	3.49	
716			35704.8	15846.1	1.454E-03	9.477E-05		3.75	3.26	3.49	
717			35697.9	15845.3	1.454E-03	9.477E-05		3.75	3.26	3.49	
718			35691.1	15844.6	1.454E-03	9.477E-05		3.75	3.26	3.49	
719			35684.3	15843.9	1.454E-03	9.477E-05		3.75	3.26	3.49	
720			35677.5	15843.2	1.454E-03	9.477E-05		3.75	3.26	3.49	
721			35670.7	15842.5	1.454E-03	9.477E-05		3.75	3.26	3.49	
722			35663.9	15841.8	1.454E-03	9.477E-05		3.75	3.26	3.49	
723			35657.1	15841.1	1.454E-03	9.477E-05		3.75	3.26	3.49	
724			35650.3	15840.4	1.454E-03	9.477E-05		3.75	3.26	3.49	
725			35643.5	15839.7	1.454E-03	9.477E-05		3.75	3.26	3.49	
726			35636.7	15839.0	1.454E-03	9.477E-05		3.75	3.26	3.49	
727			35630.0	15838.3	1.454E-03	9.477E-05		3.75	3.26	3.49	
728			35623.2	15837.6	1.454E-03	9.477E-05		3.75	3.26	3.49	
729			35616.4	15836.9	1.454E-03	9.477E-05		3.75	3.26	3.49	
730			35609.6	15836.2	1.454E-03	9.477E-05		3.75	3.26	3.49	
731			35602.8	15835.5	1.454E-03	9.477E-05		3.75	3.26	3.49	
732			35596.0	15834.8	1.454E-03	9.477E-05		3.75	3.26	3.49	
733			35589.2	15834.1	1.454E-03	9.477E-05		3.75	3.26	3.49	
734			35582.4	15833.4	1.454E-03	9.477E-05		3.75	3.26	3.49	
735			35575.6	15832.7	1.454E-03	9.477E-05		3.75	3.26	3.49	
736			35568.8	15832.0	1.454E-03	9.477E-05		3.75	3.26	3.49	
737			35562.0	15831.3	1.454E-03	9.477E-05		3.75	3.26	3.49	
738			35555.2	15830.6	1.454E-03	9.477E-05		3.75	3.26	3.49	
739			35548.4	15829.9	1.454E-03	9.477E-05		3.75	3.26	3.49	
740			35541.6	15829.2	1.454E-03	9.477E-05		3.75	3.26	3.49	
741			35534.8	15828.5	1.454E-03	9.477E-05		3.75	3.26	3.49	
742			35528.0	15827.8	1.454E-03	9.477E-05		3.75	3.26	3.49	
743			35521.2	15827.1	1.454E-03	9.477E-05		3.75	3.26	3.49	
744			35514.4	15826.4	1.454E-03	9.477E-05		3.75	3.26	3.49	
745			35507.6	15825.7	1.454E-03	9.477E-05		3.75	3.26	3.49	
746			35500.8	15825.0	1.454E-03	9.477E-05		3.75	3.26	3.49	
747			35494.0	15824.3	1.454E-03	9.477E-05		3.75	3.26	3.49	
748			35487.2	15823.6	1.454E-03	9.477E-05		3.75	3.26	3.49	
749			35480.4	15822.9	1.454E-03	9.477E-05		3.75	3.26	3.49	
750			35473.6	15822.2	1.454E-03	9.477E-05		3.75	3.26	3.49	
751			35466.8	15821.5	1.454E-03	9.477E-05		3.75	3.26	3.49	
752			35460.0	15820.8	1.454E-03	9.477E-05		3.75	3.26	3.49	
753			35453.2	15820.1	1.454E-03	9.477E-05		3.75	3.26	3.49	
754			35446.4	15819.4	1.454E-03	9.477E-05		3.75	3.26	3.49	
755			35439.6	15818.7	1.454E-03	9.477E-05		3.75	3.26	3.49	
756			35432.8	15818.0	1.454E-03	9.477E-05		3.75	3.26	3.49	
757			35426.0	15817.3	1.454E-03	9.477E-05		3.75	3.26	3.49	
758			35419.2	15816.6	1.454E-03	9.477E-05		3.75	3.26	3.49	
759			35412.4	15815.9	1.454E-03	9.477E-05		3.75	3.26	3.49	
760			35405.6	15815.2	1.454E-03	9.477E-05		3.75	3.26	3.49	
761			35398.8	15814.5	1.454E-03	9.477E-05		3.75	3.26	3.49	
762			35392.0	15813.8	1.454E-03	9.477E-05		3.75	3.26	3.49	
763			35385.2	15813.1	1.454E-03	9.477E-05		3.75	3.26	3.49	
764			35378.4	15812.4	1.454E-03	9.477E-05		3.75	3.26	3.49	
765			35371.6	15811.7	1.454E-03	9.477E-05		3.75	3.26	3.49	
766			35364.8	15811.0	1.454E-03	9.477E-05		3.75	3.26	3.49	
767			35358.0	15810.3	1.454E-03	9.477E-05		3.75	3.26	3.49	
768			35351.2	15809.6	1.454E-03	9.477E-05		3.75	3.26	3.49	
769			35344.4	15808.9	1.454E-03	9.477E-05		3.75	3.26	3.49	
770			35337.6	15808.2	1.454E-03	9.477E-05		3.75	3.26	3.49	
771			35330.8	15807.5	1.454E-03	9.477E-05		3.75	3.26	3.49	
772			35324.0	15806.8	1.454E-03	9.477E-05		3.75	3.26	3.49	
773			35317.2	15806.1	1.454E-03	9.477E-05		3.75	3.26	3.49	
774			35310.4	15805.4	1.454E-03	9.477E-05		3.75	3.26	3.49	
775			35303.6	15804.7	1.454E-03	9.477E-05		3.75	3.26	3.49	
776			35296.8	15804.0	1.454E-03	9.477E-05		3.75	3.26	3.49	
777			35290.0	15803.3	1.454E-03	9.477E-05		3.75	3.26	3.49	
778			35283.2	15802.6	1.454E-03	9.477E-05		3.75	3.26	3.49	
779			35276.4	15801.9	1.454E-03	9.477E-05		3.75	3.26	3.49	
780			35269.6	15801.2	1.454E-03	9.477E-05		3.75	3.26	3.49	
781			35262.8	15800.5	1.454E-03	9.477E-05		3.75	3.26	3.49	
782			35256.0	15799.8	1.454E-03	9.477E-05		3.75	3.26	3.49	
783			35249.2	15799.1	1.454E-03	9.477E-05		3.75	3.26	3.49	
784			35242.4	15798.4	1.454E-03	9.477E-05		3.75	3.26	3.49	
785			35235.6	15797.7	1.454E-03	9.477E-05		3.75	3.26	3.49	
786			35228.8	15797.0	1.454E-03	9.477E-05		3.75	3.26	3.49	
787			35222.0	15796.3	1.454E-03	9.477E-05		3.75	3.26	3.49	
788			35215.2	15795.6	1.454E-03	9.477E-05		3.75	3.26	3.49	
789			35208.4	15794.9	1.454E-03	9.477E-05		3.75	3.26	3.49	
790			35201.6	15794.2	1.454E-03	9.477E-05		3.75	3.26	3.49	
791			35194.8	15793.5	1.454E-03	9.477E-05		3.75	3.26	3.49	
792			35188.0	15792.8	1.454E-03	9.477E-05		3.75	3.26	3.49	
793			35181.2	15792.1	1.454E-03	9.477E-05		3.75	3.26	3.49	
794			35174.4	15791.4	1.454E-03	9.477E-05		3.75	3.26	3.49	
795			35167.6	15790.7	1.454E-03	9.477E-05		3.75	3.26	3.49	
796			35160.8	15790.0	1.454E-03	9.477E-05		3.75	3.26	3.49	
797			35154.0	15789.3	1.454E-03	9.477E-05		3.75	3.26	3.49	
798			35147.2	15788.6	1.454E-03	9.477E-05		3.75	3.26	3.49	
799			35140.4	15787.9	1.454E-03	9.477E-05		3.75	3.26	3.49	
800			35133.6	15787.2	1.454E-03	9.477E-05		3.75	3.26	3.49	
801			35126.8	15786.5	1.454E-03	9.477E-05		3.75	3.26	3.49	
802			35120.0	15785.8	1.454E-03	9.477E-05		3.75	3.26	3.49	
803			35113.2	15785.1	1.454E-03	9.477E-05		3.75	3.26	3.49	
804			35106.4	15784.4	1.4						