

**Appendix A: Tables with measurements available at HELCOM
stations for 2005**

Deposition of reduced and oxidized nitrogen at HELCOM sites

Site	Comp	jan	febr	mars	apr	may	june	july	aug	sept	oct	nov	dec	year	Total N
DE0009R	ammonium	21.9	30.5	29.8	14.7	37.3	22.7	33.7	23.9	8.7	15.3	17.9	11.6	266.4	
DE0009R	nitrate	16.5	37.4	27.8	12.7	33.2	20.2	27.5	21.4	10.7	18.4	16.3	15.3	257.6	524.0
DE0009R	precipitation_amount	30.6	39.5	29.7	21.8	59.9	28.8	53.6	56.5	26.5	61.7	38.5	44.5	491.8	
DK0005R	ammonium	11.7	11.7	51.2	32.8	30.8	49.9	38.5	9.1	18.3	12.3	15.8	13.0	295.2	
DK0005R	nitrate	11.2	10.8	38.1	21.7	28.4	39.2	36.6	9.5	15.5	18.1	18.0	16.6	263.8	559.0
DK0005R	precipitation_amount	31.1	18.1	34.8	17.1	33.1	48.7	97.5	19.6	18.2	54.6	23.1	37.1	432.8	
DK0008R	ammonium	12.0	9.3	11.6	19.2	77.0	23.0	31.1	21.2	21.0	16.4	26.5	7.5	248.2	
DK0008R	nitrate	16.1	13.5	16.7	14.5	66.7	27.3	27.6	19.2	19.1	22.6	33.6	13.9	273.2	521.4
DK0008R	precipitation_amount	43.6	34.5	23.4	14.4	89.9	67.7	102.1	58.1	32.8	60.0	46.4	19.0	591.9	
DK0020R	ammonium	12.0	25.0	36.6	26.9	134.2	55.0	77.5	36.4	15.4	10.5	23.4	0.0	567.9	
DK0020R	nitrate	19.6	37.0	44.1	6.3	39.4	31.2	53.9	40.7	19.1	13.7	33.0	0.0	359.5	927.4
DK0020R	precipitation_amount	33.4	44.6	41.7	5.7	53.4	25.6	29.8	79.7	33.0	26.1	35.4	0.0	408.5	
EE0009R	ammonium	11.3	3.4	1.0	1.0	16.4	13.0	4.2	2.1	0.5	4.5	12.1	3.1	73.6	
EE0009R	nitrate	21.7	7.5	2.8	2.5	10.3	9.8	11.1	57.5	4.9	6.7	11.7	4.2	152.5	226.1
EE0009R	precipitation_amount	88.7	17.6	7.3	6.6	58.9	84.6	59.6	80.6	33.4	41.1	47.5	29.3	555.0	
EE0011R	nitrate	23.0	7.5	1.8	4.5	14.7	8.1	1.6	4.2	4.0	17.6	23.0	42.1	154.0	
EE0011R	precipitation_amount	56.5	21.3	7.4	2.3	45.9	42.4	37.9	75.2	38.2	59.3	86.5	95.6	567.5	
FI0009R	ammonium	11.5	3.3	-	7.5	12.5	5.8	6.4	18.7	3.4	5.5	11.0	6.4	89.1	
FI0009R	nitrate	18.6	8.3	-	8.8	16.7	8.9	8.1	20.0	5.8	9.5	21.3	16.3	138.0	227.1
FI0009R	precipitation_amount	17.4	3.8	0.3	6.8	24.3	32.6	69.2	117.6	8.2	26.7	26.5	16.5	349.8	
FI0017R	ammonium	13.9	3.3	1.3	8.2	15.1	9.2	9.8	18.0	12.0	14.8	25.0	14.1	144.5	
FI0017R	nitrate	25.8	4.6	1.2	8.7	14.8	14.1	9.9	22.4	15.6	16.1	31.1	20.5	184.8	329.3
FI0017R	precipitation_amount	64.2	2.8	2.8	11.3	77.5	74.9	53.0	104.4	34.9	26.7	56.8	44.1	553.2	

Site	Comp	jan	febr	mars	apr	may	june	july	aug	sept	oct	nov	dec	year	Total N
FI0053R	ammonium	6.5	1.7	0.7	21.3	20.2	1.3	8.3	11.9	4.3	8.2	15.0	8.9	108.2	
FI0053R	nitrate	8.5	2.2	1.6	16.9	16.2	2.1	8.6	7.7	5.7	9.2	18.6	9.4	106.2	214.4
FI0053R	precipitation_amount	26.5	4.5	2.4	33.8	53.5	11.4	66.7	57.8	53.0	22.5	54.1	28.4	414.2	
LT0015R	ammonium	10.5	3.3	18.5	13.9	28.0	11.4	27.1	36.8	4.2	9.8	18.5	16.1	198.0	
LT0015R	nitrate	34.3	5.6	29.4	11.0	19.9	18.8	25.5	32.3	3.9	12.2	29.2	25.4	247.5	445.5
LT0015R	precipitation_amount	31.3	6.9	36.9	12.3	24.5	28.0	70.1	170.2	7.1	31.5	61.5	33.1	513.4	
LV0010R	ammonium	21.4	11.0	18.6	9.0	8.7	13.7	32.8	22.6	8.7	22.4	46.5	11.3	221.2	
LV0010R	nitrate	30.9	13.7	23.2	7.9	6.6	13.7	26.6	19.9	8.9	18.3	64.6	23.9	253.2	474.4
LV0010R	precipitation_amount	69.2	24.3	33.9	7.4	23.0	21.4	123.0	151.8	16.6	48.6	101.9	58.1	679.0	
LV0016R	ammonium	21.9	7.7	6.8	39.3	38.4	19.6	20.4	21.6	21.0	8.6	22.0	24.0	246.0	
LV0016R	nitrate	21.4	8.2	5.8	21.7	19.3	12.9	9.8	12.9	10.7	10.9	13.9	5.7	145.0	391.0
LV0016R	precipitation_amount	57.2	15.7	25.4	38.6	100.9	97.7	92.7	112.5	37.9	46.1	40.4	31.0	696.0	
PL0004R	ammonium	17.5	7.6	20.4	25.0	48.3	14.2	18.5	21.0	22.2	5.0	20.0	15.6	227.8	
PL0004R	nitrate	27.4	11.5	28.7	15.0	34.3	14.1	15.6	22.2	19.0	7.1	26.3	28.4	245.8	473.6
PL0004R	precipitation_amount	46.5	21.0	35.0	9.8	52.0	12.9	52.4	58.6	34.9	28.6	66.1	60.8	477.0	
RU0016R	ammonium	11.5	18.0	11.6	17.7	12.2	16.9	11.6	35.0	7.4	14.1	14.7	31.0	201.6	
RU0016R	nitrate	16.0	14.8	18.5	12.1	18.2	12.1	9.7	9.5	3.0	7.5	10.8	20.3	152.5	354.1
RU0016R	precipitation_amount	55.4	81.5	52.9	35.5	91.9	49.9	134.3	45.6	13.3	39.0	41.7	67.0	708.0	
SE0005R	ammonium	1.5	1.3	0.8	6.7	10.8	22.6	11.0	5.8	12.1	6.0	7.9	3.6	90.1	
SE0005R	nitrate	7.8	4.0	3.5	6.5	7.7	11.3	9.0	9.8	9.8	5.6	10.1	13.9	97.6	187.7
SE0005R	precipitation_amount	51.0	20.5	19.1	27.5	95.3	85.5	115.0	114.1	87.7	25.7	40.5	50.3	729.7	
SE0011R	ammonium	53.8	34.7	20.8	48.7	27.0	40.5	84.4	27.2	16.0	23.3	34.7	25.5	436.5	
SE0011R	nitrate	52.1	36.4	23.2	27.9	24.5	34.3	34.8	25.7	13.5	23.8	35.9	26.5	358.5	795.0
SE0011R	precipitation_amount	100.3	40.8	32.5	19.3	61.5	73.1	103.1	83.7	20.3	63.0	63.3	46.7	707.0	

Site	Comp	jan	febr	mars	apr	may	june	july	aug	sept	oct	nov	dec	year	Total N
SE0014R	ammonium	25.1	18.1	9.7	34.4	50.3	41.5	33.1	15.2	17.8	15.9	22.8	4.3	287.3	
SE0014R	nitrate	31.1	22.4	12.6	23.4	24.0	33.1	27.7	16.9	19.4	21.0	28.4	9.6	269.2	556.5
SE0014R	precipitation_amount	71.1	22.3	23.8	21.8	49.2	54.7	105.8	47.1	45.7	67.3	63.3	24.3	596.4	
SE0053R	ammonium	0.2	6.3	2.1	24.2	16.8	17.0	4.4	21.8	22.8	0.3	8.9	5.7	130.6	
SE0053R	nitrate	0.5	14.2	5.4	17.9	10.4	13.2	5.7	20.2	32.5	0.5	13.6	15.3	149.4	280.0
SE0053R	precipitation_amount	1.4	37.4	11.7	33.5	47.1	56.3	63.0	80.9	162.7	1.5	44.8	40.4	580.6	

Deposition of heavy metals (Pb, Cd and Hg) and lindane (γ HCH) at HELCOM sites

Site	Comp		jan	febr	mars	apr	may	june	july	aug	sept	oct	nov	dec	year
DE0009R	cadmium	$\mu\text{g Cd}/\text{m}^2$	1.22	2.75	1.41	0.90	1.96	1.01	1.90	1.72	0.71	0.71	1.09	1.03	16.42
DK0008R	cadmium	$\mu\text{g Cd}/\text{m}^2$	2.16	1.01	0.76	0.80	1.60	1.31	2.48	0.96	2.18	1.31	2.20	1.08	17.83
DK0020R	cadmium	$\mu\text{g Cd}/\text{m}^2$	2.18	2.76	2.41	1.14	2.75	2.08	1.67	1.78	1.59	1.41	2.08	-	21.86
EE0009R	cadmium	$\mu\text{g Cd}/\text{m}^2$	3.56	3.24	0.30	1.10	3.44	0.85	0.60	0.81	0.34	1.23	1.95	1.74	19.14
EE0011R	cadmium	$\mu\text{g Cd}/\text{m}^2$	4.47	2.18	0.59	0.03	0.41	0.95	0.38	3.18	0.59	2.97	1.25	2.88	19.83
FI0017R	cadmium	$\mu\text{g Cd}/\text{m}^2$	4.17	1.29	-	1.07	6.76	4.50	1.03	2.16	5.12	4.12	8.27	2.56	41.03
FI0053R	cadmium	$\mu\text{g Cd}/\text{m}^2$	0.80	0.45	0.27	1.67	3.07	0.78	1.13	1.36	1.01	2.57	2.64	0.66	16.41
LT0015R	cadmium	$\mu\text{g Cd}/\text{m}^2$	5.08	3.88	5.87	7.00	3.48	3.31	4.35	5.70	1.62	4.93	8.33	4.57	58.23
LV0010R	cadmium	$\mu\text{g Cd}/\text{m}^2$	4.87	4.69	5.43	1.42	3.84	1.70	5.62	8.32	0.75	5.86	5.83	3.69	52.02
LV0016R	cadmium	$\mu\text{g Cd}/\text{m}^2$	2.77	0.93	0.51	2.18	2.77	2.76	4.06	7.35	1.00	2.67	2.06	1.27	30.51
PL0004R	cadmium	$\mu\text{g Cd}/\text{m}^2$	2.33	1.47	2.10	1.18	4.68	0.52	1.57	2.34	3.84	1.14	2.64	3.04	26.83
SE0051R	cadmium	$\mu\text{g Cd}/\text{m}^2$	1.14	2.60	-	-	1.14	3.10	5.67	0.88	0.90	1.26	1.35	2.72	20.98
DE0009R	lead	$\mu\text{g Pb}/\text{m}^2$	23.9	70.0	43.6	20.9	56.1	35.6	53.4	28.4	21.3	19.5	28.4	25.5	426.7
DK0008R	lead	$\mu\text{g Pb}/\text{m}^2$	20.4	32.5	16.9	33.3	81.5	46.7	73.2	31.8	59.1	41.9	60.1	30.8	528.2
DK0020R	lead	$\mu\text{g Pb}/\text{m}^2$	40.9	97.7	95.6	25.4	113.1	63.7	43.0	48.9	43.5	47.0	41.1	-	660.4
EE0009R	lead	$\mu\text{g Pb}/\text{m}^2$	44.5	61.4	8.5	12.3	21.5	42.5	30.0	40.5	17.0	20.5	19.5	14.5	332.5
EE0011R	lead	$\mu\text{g Pb}/\text{m}^2$	28.0	21.8	25.2	1.4	20.3	23.7	19.0	53.0	3.7	29.7	62.3	28.8	316.3
FI0017R	lead	$\mu\text{g Pb}/\text{m}^2$	148.5	26.6	-	26.9	100.9	85.4	25.9	45.0	113.6	86.6	255.2	89.0	1002.9
FI0053R	lead	$\mu\text{g Pb}/\text{m}^2$	25.5	9.2	2.9	42.1	70.0	7.7	27.2	29.5	32.3	39.1	83.8	26.3	395.3
LT0015R	lead	$\mu\text{g Pb}/\text{m}^2$	105.5	67.3	63.7	38.0	36.1	38.9	41.5	213.2	97.2	808.2	198.5	90.4	1802.2
LV0010R	lead	$\mu\text{g Pb}/\text{m}^2$	241.2	100.4	126.2	18.5	37.5	40.3	122.6	137.6	18.8	56.0	172.3	121.1	1192.4
LV0016R	lead	$\mu\text{g Pb}/\text{m}^2$	51.9	19.8	16.8	40.2	95.3	44.3	36.1	74.7	14.4	30.0	42.8	41.0	506.7
PL0004R	lead	$\mu\text{g Pb}/\text{m}^2$	45.1	21.4	42.4	39.5	100.4	18.8	24.1	37.5	79.2	16.6	71.4	59.0	554.9
SE0051R	lead	$\mu\text{g Pb}/\text{m}^2$	37.6	65.5	-	-	39.9	78.7	42.2	17.3	9.5	21.8	27.8	57.5	402.1
DE0009R	mercury	$\text{ng Hg}/\text{m}^2$	237.6	351.8	325.1	143.0	737.2	470.8	917.3	564.1	212.9	259.0	322.5	158.4	4695.4
SE0014R	mercury	$\text{ng Hg}/\text{m}^2$	369.6	162.8	370.5	581.4	2100.0	1168.5	-9999.99	963.9	562.0	316.0	289.0	124.6	7008.3
DE0009R	gamma_HCH	$\text{ng } \gamma\text{HCH}/\text{m}^2$	5.0	40.4	36.8	67.6	77.4	32.7	50.0	50.4	20.7	98.4	47.4	23.4	550.1

Air concentrations of reduced and oxidized nitrogen at HELCOM sites

Site	Component	Unit	Jan	Febr	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
DE0009R	nitrogen_dioxide	µg N/m3	2.264	2.264	2.196	1.792	1.817	1.56	1.663	1.758	2.165	2.216	3.45	2.986	2.174
DK0005R	nitrogen_dioxide	µg N/m3	1.285	1.786	2.151	2.37	1.591	0.95	1.055	1.074	1.847	1.747	1.98	1.715	1.612
DK0008R	nitrogen_dioxide	µg N/m3	1.518	1.651	1.446	1.481	-	1.187	1.031	0.875	1.277	1.766	1.799	1.401	1.396
EE0009R	nitrogen_dioxide	µg N/m3	3.458	4.782	4.248	3.143	2.645	2.175	1.658	1.35	1.723	2.871	3.89	5.2	3.115
EE0011R	nitrogen_dioxide	µg N/m3	3.146	3.207	2.987	5.26	3.303	2.893	1.968	1.262	1.838	2.768	4.567	3.731	3.057
FI0009R	nitrogen_dioxide	µg N/m3	1.185	1.41	1.505	1.969	1.739	1.227	1.37	1.071	1.233	-	-	-	1.418
FI0017R	nitrogen_dioxide	µg N/m3	1.663	1.93	1.782	1.649	1.732	1.317	0.891	0.897	1.221	1.187	1.581	1.729	1.461
LT0015R	nitrogen_dioxide	µg N/m3	1.263	1.185	1.067	1.613	1.038	1.016	0.926	0.815	0.854	1.154	1.961	1.685	1.212
LV0010R	nitrogen_dioxide	µg N/m3	1.03	0.691	0.791	0.893	0.733	0.611	0.532	0.55	0.618	0.741	1.365	1.413	0.828
LV0016R	nitrogen_dioxide	µg N/m3	0.721	0.809	0.574	0.539	0.295	0.247	0.469	0.365	0.381	0.582	0.812	1.315	0.592
PL0004R	nitrogen_dioxide	µg N/m3	1.413	1.832	1.632	1.932	1.094	1.063	1.284	1.389	1.653	1.997	2.84	2.548	1.722
SE0005R	nitrogen_dioxide	µg N/m3	0.169	0.203	0.15	0.081	0.066	0.081	0.069	0.061	0.069	0.151	0.153	0.19	0.12
SE0008R	nitrogen_dioxide	µg N/m3	0.942	0.814	0.919	1.326	1.391	1.112	0.768	0.763	0.94	1.02	1.573	0.932	1.04
SE0011R	nitrogen_dioxide	µg N/m3	1.948	1.75	1.506	1.187	1.247	1.01	0.887	1.053	1.467	1.583	2.755	1.633	1.475
SE0014R	nitrogen_dioxide	µg N/m3	1.555	1.653	1.675	1.559	1.346	1.263	1.109	1.074	1.231	1.466	2.328	1.624	1.49
DE0009R	sum_ammonia_and_ammonium	µg N/m3	0.834	1.834	2.75	3.913	2.398	1.58	1.572	1.413	2.1	1.635	2.021	1.377	1.955
FI0009R	sum_ammonia_and_ammonium	µg N/m3	0.455	0.538	0.306	0.709	0.386	0.33	0.352	0.276	0.424	0.559	0.843	0.212	0.431
FI0017R	sum_ammonia_and_ammonium	µg N/m3	0.461	0.657	0.354	0.603	0.497	0.336	0.512	0.459	0.606	0.822	1.073	0.356	0.539
LT0015R	sum_ammonia_and_ammonium	µg N/m3	1.342	1.85	1.492	2.432	2.358	2.471	1.273	1.659	2.826	2.139	2.24	1.184	1.934
LV0010R	sum_ammonia_and_ammonium	µg N/m3	0.688	0.644	0.857	1.161	1.065	1.098	0.999	0.845	1.248	1.145	1.373	0.816	0.994
LV0016R	sum_ammonia_and_ammonium	µg N/m3	0.789	1.038	0.564	1.188	0.916	0.959	1.017	0.818	0.925	1.295	1.301	1.038	0.985
PL0004R	sum_ammonia_and_ammonium	µg N/m3	0.755	1.592	1.293	1.967	1.412	1.412	2.086	1.508	1.753	1.674	2.172	1.094	1.557
SE0005R	sum_ammonia_and_ammonium	µg N/m3	0.058	0.456	0.482	0.254	0.212	0.191	0.216	0.155	0.216	0.301	0.099	0.137	0.23
SE0011R	sum_ammonia_and_ammonium	µg N/m3	0.624	1.06	1.014	2.695	1.617	1.279	1.125	0.625	1.258	1.439	1.115	0.734	1.248
SE0014R	sum_ammonia_and_ammonium	µg N/m3	0.416	1.259	0.917	1.828	1.204	0.794	0.735	0.648	0.962	1.088	0.816	0.582	0.947
DE0009R	sum_nitric_acid_and_nitrate	µg N/m3	0.762	1.165	1.234	1.449	1.148	0.721	0.563	0.63	0.939	1.109	1.2	0.856	0.969
DK0005R	sum_nitric_acid_and_nitrate	µg N/m3	-	-	-	-	-	0.836	0.67	0.635	1.255	1.299	0.961	0.862	0.931
DK0008R	sum_nitric_acid_and_nitrate	µg N/m3	0.614	0.912	0.643	1.417	1.014	0.681	0.498	0.522	0.933	0.972	0.799	0.49	0.787
FI0009R	sum_nitric_acid_and_nitrate	µg N/m3	0.275	0.397	0.304	0.539	0.346	0.359	0.335	0.278	0.377	0.53	0.536	0.257	0.375
FI0017R	sum_nitric_acid_and_nitrate	µg N/m3	0.326	0.431	0.247	0.435	0.268	0.19	0.188	0.214	0.264	0.367	0.494	0.234	0.304

Site	Component	Unit	Jan	Febr	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
LT0015R	sum_nitric_acid_and_nitrate	µg N/m3	0.598	0.622	0.814	0.982	0.691	0.447	0.346	0.455	0.537	0.488	1.05	0.546	0.63
LV0010R	sum_nitric_acid_and_nitrate	µg N/m3	0.451	0.441	0.467	0.701	0.413	0.379	0.247	0.261	0.271	0.396	0.73	0.351	0.423
LV0016R	sum_nitric_acid_and_nitrate	µg N/m3	0.337	0.393	0.241	0.314	0.193	0.155	0.141	0.171	0.339	0.418	0.393	0.125	0.267
PL0004R	sum_nitric_acid_and_nitrate	µg N/m3	0.537	0.792	0.689	0.87	0.593	0.531	0.384	0.446	0.376	0.592	1.073	0.646	0.625
SE0005R	sum_nitric_acid_and_nitrate	µg N/m3	0.038	0.265	0.272	0.061	0.069	0.049	0.04	0.043	0.077	0.059	0.046	0.071	0.09
SE0011R	sum_nitric_acid_and_nitrate	µg N/m3	0.502	0.569	0.632	1.265	0.735	0.368	0.293	0.315	0.567	0.751	0.779	0.399	0.601
SE0014R	sum_nitric_acid_and_nitrate	µg N/m3	0.432	0.884	0.62	0.939	0.782	0.525	0.469	0.477	0.688	0.724	0.644	0.349	0.632

Air Concentrations of heavy metals (Pb, Cd and Hg) and lindane (γHCH) at HELCOM sites

DE0009R	cadmium	ng Cd/m3	0.102	0.406	0.238	0.164	0.09	0.062	0.049	0.075	0.161	0.404	0.285	0.158	0.181
LT0015R	cadmium	ng Cd/m3	0.201	0.3	0.141	0.197	0.054	0.147	0.06	0.094	0.135	0.257	0.262	0.143	0.165
LV0010R	cadmium	ng Cd/m3	0.27	0.286	0.124	0.231	0.301	0.208	0.054	0.228	0.165	0.211	0.277	0.183	0.21
LV0016R	cadmium	ng Cd/m3	0.225	0.564	0.1	0.142	0.09	0.072	0.05	0.126	0.178	0.252	0.201	0.178	0.179
SE0014R	cadmium	ng Cd/m3	0.087	0.32	0.116	0.21	0.079	0.06	0.041	0.05	0.16	0.347	0.19	0.1	0.145
DE0009R	lead	ng Pb/m3	4.644	14.955	8.446	6.265	3.84	2.509	2.095	3.425	6.24	13.021	10.338	6.64	6.805
DK0005R	lead	ng Pb/m3	4.212	6.693	12.566	-	-	1.994	2.372	2.417	5.391	15.414	5.445	6.634	5.874
DK0008R	lead	ng Pb/m3	2.591	9.704	3.755	5.474	2.717	2.184	1.76	1.406	3.951	11.133	4.247	4.101	4.367
LT0015R	lead	ng Pb/m3	7.474	11.532	6.452	5.947	2.819	8.65	3.819	3.468	4.697	7.981	9.19	6.041	6.458
LV0010R	lead	ng Pb/m3	4.393	6.467	4.416	5.897	7.698	2.511	2.325	4.238	3.092	6.8	6.775	5.035	5.011
LV0016R	lead	ng Pb/m3	3.723	9.093	3.368	4.109	2.048	2.556	1.972	1.393	2.992	6.803	5.613	5.548	3.965
SE0014R	lead	ng Pb/m3	2.98	11.96	4.599	5.89	3.402	1.93	1.32	1.55	3.3	11.925	7.44	4.24	4.991
DE0009R	Total_gaseous_mercury	ng Hg/m3	1.661	1.892	1.724	1.668	1.56	1.575	1.353	1.356	1.267	1.584	1.521	1.629	1.563
SE0014R	mercury	ng Hg/m3	14.889	20.286	14.429	20	10	6.25	6.667	7.889	6.75	15.889	7.889	5.375	11.29
SE0014R	mercury	ng Hg/m3	1.522	1.638	1.763	1.986	1.7	1.744	1.7	1.922	1.688	1.633	1.3	1.475	1.683
SE0014R	gamma_HCH	pg γ-HCH/m3	2.613	2.964	2.536	9	8.387	8.333	9	6.548	7.367	11.29	6.333	3.129	6.435

