

Dispersion Report

Workspace: 72438-1RiempFSRU-2R

Study: Riempimento FSRU-ME7

Equipment Item: 2Rb Compressore BOG HD

72438-1RiempFSRU-2R\Riempimento FSRU-ME7\2Rb Compressore BOG HD

Material	GAS NATURALE	
East	0	m
North	0	m

Scenario (Leak) : 25mm

72438-1RiempFSRU-2R\Riempimento FSRU-ME7\2Rb Compressore BOG HD\25mm

Material to track	GAS NATURALE
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Weather: Category 2/F

Wind speed [m/s]	2
Pasquill stability	F stable - night with moderate clouds and light/moderate wind
Atmospheric temperature [degC]	25
Relative humidity [fraction]	0,75
Solar radiation flux [kW/m2]	0,5
Mixing layer height [m]	100

Observer Release Data and Observer Mass Data

Observer number	Release type	Start time [s]	Start downwind distance [m]	Unit	Masses or mass rates		
					Release	Rainout	Final
1	Continuous	0	0	kg/s	0,152072	0	0,152072
2	Continuous	193,036	0	kg/s	0,152072	0	0,152072

Time-varying Observer Dispersion Data (before along-wind-diffusion effects)

Dispersion data correspond to an averaging time of: 18,75 s

Observer number	Time [s]	Down wind distance [m]	C/Li ne height [m]	C/Lin e conc [ppm]	Effect ive width [m]	Effecti ve depth [m]	C/Line vapour temperature [degC]	C/Li ne liquid fraction	Centr oid velocity [m/s]	C/Lin e cloud density [kg/m ³]
1	0	0	12,5	999.99 9,37	0,0176 875	0,00878 669	-134,87	0	300	1,6308 2
1	0,01	0,77042 8	12,5	205.32 0,28	0,1448 11	0,07248 14	3,8038	0	44,009 7	1,1743 5
1	0,02	1,13756	12,5	147.03 2,26	0,2047 69	0,10248 8	9,96917	0	31,483 2	1,1732
1	0,03	1,42249	12,5	120.17 8,72	0,2509 47	0,12559 5	12,4717	0	25,901 9	1,1738 5
1	0,04	1,66341	12,5	103.92 6,10	0,2898 51	0,14506 2	13,8954	0	22,579 8	1,1745 5
1	0,05	1,87726	12,5	92.674, 41	0,3243 06	0,16230 2	14,8438	0	20,304 1	1,1751 5
1	0,06	2,07156	12,4 999	84.292, 03	0,3555 76	0,17794 7	15,5314	0	18,621 4	1,1756 6
1	0,07	2,25111	12,4 999	77.728, 35	0,3844 54	0,19239 5	16,0589	0	17,311 2	1,1761
1	0,08	2,41883	12,4 999	72.408, 80	0,4114 27	0,20588 9	16,4797	0	16,254 2	1,1764 7
1	0,09	2,57692	12,4 999	67.981, 59	0,4368 55	0,21861	16,8254	0	15,377 8	1,1768
1	0,1	2,72702	12,4 999	64.219, 01	0,4610 08	0,23069 3	17,1159	0	14,635 2	1,1770 8
1	0,11	2,87039	12,4 998	60.967, 35	0,4840 89	0,24223 9	17,3647	0	13,995 1	1,1773 4
1	0,12	3,0078	12,4 998	58.122, 16	0,5062 26	0,25331 3	17,5807	0	13,436 4	1,1775 7
1	0,13	3,13983	12,4 998	55.606, 89	0,5275 19	0,26396 5	17,7703	0	12,943 4	1,1777 7



1	0,14	3,26721	12,4	53.360,	0,5480	0,27425	17,9385	0	12,504	1,1779
			997	53	82					6
1	0,15	3,39035	12,4	51.339,	0,5679	0,28420	18,0891	0	12,109	1,1781
			997	01	84	5			1	3
1	0,16	3,50968	12,4	49.506,	0,5872	0,29386	18,2249	0	11,751	1,1782
			996	86	93	3			8	9
1	0,17	3,62558	12,4	47.835,	0,6060	0,30325	18,3482	0	11,426	1,1784
			996	69	71	6			3	3
1	0,18	3,73834	12,4	46.303,	0,6243	0,31240	18,4608	0	11,128	1,1785
			995	16	65	6			1	6
1	0,19	3,84826	12,4	44.890,	0,6422	0,32133	18,5643	0	10,853	1,1786
			995	52	22	7			6	9
1	0,2	3,95559	12,4	43.582,	0,6596	0,33006	18,6597	0	10,599	1,1788
			994	75	78	8			7	1
1	0,212	4,08121	12,4	42.134,	0,6801	0,34030	18,7649	0	10,318	1,1789
			993	49	41	2			8	4
1	0,226	4,22781	12,4	40.547,	0,7040	0,35226	18,8798	0	10,011	1,1790
	4		992	39	61	5			4	8
1	0,243	4,39815	12,4	38.828,	0,7319	0,36619	19,0038	0	9,6788	1,1792
	68		991	73	22	9			4	4
1	0,264	4,59541	12,4	36.989,	0,7642	0,38238	19,1358	0	9,3234	1,1794
	416		989	20	77					1
1	0,289	4,8229	12,4	35.044,	0,8017	0,40110	19,2747	0	8,9482	1,1795
	299		987	74	24	6			1	9
1	0,319	5,0843	12,4	33.014,	0,8449	0,42271	19,419	0	8,5570	1,1797
	159		983	34	42	8			1	8
1	0,354	5,38358	12,4	30.919,	0,8946	0,44759	19,5671	0	8,1540	1,1799
	991		979	95	86	2			9	8
1	0,397	5,72526	12,4	28.784,	0,9518	0,47616	19,7173	0	7,7438	1,1801
	989		972	35	36	9			8	9
1	0,449	6,1141	12,4	26.631,	1,0173	0,50893	19,8679	0	7,3310	1,1804
	587		963	85	7	5			5	
1	0,511	6,55488	12,4	24.487,	1,0927	0,54663	20,2568	0	6,9203	1,1797
	504		951	22	7	2			7	6
1	0,571	6,95893	12,4	22.750,	1,1626	0,58156	20,5947	0	6,5881	1,1791
	405		938	14	4	5			7	6
1	0,585	7,0531	12,4	22.372,	1,1790	0,58976	20,6682	0	6,5159	1,1790
	805		935	39	5	6			8	3



1	0,674 966	7,60862	12,4 911	20.312, 13	1,2774 4	0,63895 2	21,0696	0	6,1225 6	1,1783 2
1	0,781 959	8,23248	12,4 88	18.317, 27	1,3900 1	0,69522 2	21,4587	0	5,7421 2	1,1776 3
1	0,910 351	8,93861	12,4 839	16.399, 75	1,5191 1	0,75975 2	21,8331	0	5,3768 5	1,1769 7
1	1,064 42	9,74018	12,4 786	14.574, 20	1,6672 4	0,83378 3	22,19	0	5,0294 3	1,1763 4
1	1,249 31	10,6443	12,4 718	12.849, 98	1,8375 5	0,9189	22,5275	0	4,7015 5	1,1757 4
1	1,471 17	11,6592	12,4 631	11.238, 15	2,0334	1,01677	22,8433	0	4,3951 6	1,1751 9
1	1,737 4	12,7957	12,4 52	9.744,6 8	2,259	1,1295	23,1361	0	4,1112 9	1,1746 7
1	2,056 88	14,0699	12,4 382	8.371,4 5	2,5197 9	1,2598	23,4057	0	3,8501 5	1,1742
1	2,440 26	15,4987	12,4 209	7.119,8 3	2,8222 7	1,41092	23,6516	0	3,6118 7	1,1737 7
1	2,900 31	17,1053	12,3 997	5.989,2 1	3,1746 6	1,58696	23,8738	0	3,3962 2	1,1733 8
1	3,452 37	18,9219	12,3 74	4.977,7 9	3,5872 6	1,79308	24,0728	0	3,2027 3	1,1730 4
1	3,522 99	19,1473	12,3 708	4.868,3 6	3,6394 4	1,81914	24,0943	0	3,1817 5	1,173
2	193,0 36	0	12,5	999.99 9,37	0,0176 875	0,00878 669	-134,87	0	300	1,6308 2
2	193,0 46	0,77042 8	12,5	205.32 0,28	0,1448 11	0,07248 14	3,8038	0	44,009 7	1,1743 5
2	193,0 56	1,13756	12,5	147.03 2,26	0,2047 69	0,10248 8	9,96917	0	31,483 2	1,1732
2	193,0 66	1,42249	12,5	120.17 8,72	0,2509 47	0,12559 5	12,4717	0	25,901 9	1,1738 5
2	193,0 76	1,66341	12,5	103.92 6,10	0,2898 51	0,14506 2	13,8954	0	22,579 8	1,1745 5
2	193,0 86	1,87726	12,5	92.674, 41	0,3243 06	0,16230 2	14,8438	0	20,304 1	1,1751 5
2	193,0	2,07156	12,4	84.292,	0,3555	0,17794	15,5314	0	18,621	1,1756

Audit Number: 39401

Date: 30/05/2023 Time: 11:41



	96		999	03	76	7			4	6
2	193,1 06	2,25111	12,4 999	77.728, 35	0,3844 54	0,19239 5	16,0589	0	17,311 2	1,1761
2	193,1 16	2,41883	12,4 999	72.408, 80	0,4114 27	0,20588 9	16,4797	0	16,254 2	1,1764 7
2	193,1 26	2,57692	12,4 999	67.981, 59	0,4368 55	0,21861	16,8254	0	15,377 8	1,1768
2	193,1 36	2,72702	12,4 999	64.219, 01	0,4610 08	0,23069 3	17,1159	0	14,635 2	1,1770 8
2	193,1 46	2,87039	12,4 998	60.967, 35	0,4840 89	0,24223 9	17,3647	0	13,995 1	1,1773 4
2	193,1 56	3,0078	12,4 998	58.122, 16	0,5062 26	0,25331 3	17,5807	0	13,436 4	1,1775 7
2	193,1 66	3,13983	12,4 998	55.606, 89	0,5275 19	0,26396 5	17,7703	0	12,943 4	1,1777 7
2	193,1 76	3,26721	12,4 997	53.360, 53	0,5480 82	0,27425	17,9385	0	12,504	1,1779 6
2	193,1 86	3,39035	12,4 997	51.339, 01	0,5679 84	0,28420 5	18,0891	0	12,109 1	1,1781 3
2	193,1 96	3,50968	12,4 996	49.506, 86	0,5872 93	0,29386 3	18,2249	0	11,751 8	1,1782 9
2	193,2 06	3,62558	12,4 996	47.835, 69	0,6060 71	0,30325 6	18,3482	0	11,426 3	1,1784 3
2	193,2 16	3,73834	12,4 995	46.303, 16	0,6243 65	0,31240 6	18,4608	0	11,128 1	1,1785 6
2	193,2 26	3,84826	12,4 995	44.890, 52	0,6422 22	0,32133 7	18,5643	0	10,853 6	1,1786 9
2	193,2 36	3,95559	12,4 994	43.582, 75	0,6596 78	0,33006 8	18,6597	0	10,599 7	1,1788 1
2	193,2 48	4,08121	12,4 993	42.134, 49	0,6801 41	0,34030 2	18,7649	0	10,318 8	1,1789 4
2	193,2 63	4,22781	12,4 992	40.547, 39	0,7040 61	0,35226 5	18,8798	0	10,011 4	1,1790 8
2	193,2 8	4,39815	12,4 991	38.828, 73	0,7319 22	0,36619 9	19,0038	0	9,6788 4	1,1792 4
2	193,3 01	4,59541	12,4 989	36.989, 20	0,7642 77	0,38238	19,1358	0	9,3234	1,1794 1
2	193,3	4,8229	12,4	35.044,	0,8017	0,40110	19,2747	0	8,9482	1,1795

	25		987	74	24	6			1	9
2	193,3 55	5,0843	12,4 983	33.014, 34	0,8449 42	0,42271 8	19,419	0	8,5570 1	1,1797 8
2	193,3 91	5,38358	12,4 979	30.919, 95	0,8946 86	0,44759 2	19,5671	0	8,1540 9	1,1799 8
2	193,4 34	5,72526	12,4 972	28.784, 35	0,9518 36	0,47616 9	19,7173	0	7,7438 8	1,1801 9
2	193,4 86	6,1141	12,4 963	26.631, 85	1,0173 7	0,50893 5	19,8679	0	7,3310 5	1,1804
2	193,5 48	6,55488	12,4 951	24.487, 22	1,0927 7	0,54663 2	20,2568	0	6,9203 7	1,1797 6
2	193,6 08	6,95893	12,4 938	22.750, 14	1,1626 4	0,58156 5	20,5947	0	6,5881 7	1,1791 6
2	193,6 22	7,0531	12,4 935	22.372, 39	1,1790 5	0,58976 6	20,6682	0	6,5159 8	1,1790 3
2	193,7 11	7,60862	12,4 911	20.312, 13	1,2774 4	0,63895 2	21,0696	0	6,1225 6	1,1783 2
2	193,8 18	8,23248	12,4 88	18.317, 27	1,3900 1	0,69522 2	21,4587	0	5,7421 2	1,1776 3
2	193,9 47	8,93861	12,4 839	16.399, 75	1,5191 1	0,75975 2	21,8331	0	5,3768 5	1,1769 7
2	194,1 01	9,74018	12,4 786	14.574, 20	1,6672 4	0,83378 3	22,19	0	5,0294 3	1,1763 4
2	194,2 85	10,6443	12,4 718	12.849, 98	1,8375 5	0,9189	22,5275	0	4,7015 5	1,1757 4
2	194,5 07	11,6592	12,4 631	11.238, 15	2,0334	1,01677	22,8433	0	4,3951 6	1,1751 9
2	194,7 74	12,7957	12,4 52	9.744,6 8	2,259	1,1295	23,1361	0	4,1112 9	1,1746 7
2	195,0 93	14,0699	12,4 382	8.371,4 5	2,5197 9	1,2598	23,4057	0	3,8501 5	1,1742
2	195,4 76	15,4987	12,4 209	7.119,8 3	2,8222 7	1,41092	23,6516	0	3,6118 7	1,1737 7
2	195,9 36	17,1053	12,3 997	5.989,2 1	3,1746 6	1,58696	23,8738	0	3,3962 2	1,1733 8
2	196,4 89	18,9219	12,3 74	4.977,7 9	3,5872 6	1,79308	24,0728	0	3,2027 3	1,1730 4
2	196,5	19,1473	12,3	4.868,3	3,6394	1,81914	24,0943	0	3,1817	1,173



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708 6

4

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Weather: Category 5/D

Wind speed [m/s]	5
Pasquill stability	D neutral - little sun and high wind or overcast/windy night
Atmospheric temperature [degC]	25
Relative humidity [fraction]	0,75
Solar radiation flux [kW/m2]	0,5
Mixing layer height [m]	800

Observer Release Data and Observer Mass Data

Observer number	Release type	Start time [s]	Start downwind distance [m]	Unit	Masses or mass rates		
					Release	Rainout	Final
1	Continuous	0	0	kg/s	0,152072	0	0,152072
2	Continuous	193,036	0	kg/s	0,152072	0	0,152072

Time-varying Observer Dispersion Data (before along-wind-diffusion effects)

Dispersion data correspond to an averaging time of: 18,75 s

Observer number	Time [s]	Down wind distance [m]	C/Line height [m]	C/Line conc [ppm]	Effective width [m]	Effective depth [m]	C/Line vapour temperature [degC]	C/Line liquid fraction	Centroid velocity [m/s]	C/Line cloud density [kg/m3]
1	0	0	12,5	999.99 9,37	0,0176 971	0,00878 195	-134,87	0	300	1,6308 2
1	0,01	0,78713 3	12,5	201.21 5,36	0,1436 38	0,07181 91	4,04147	0	45,738 3	1,1751 7
1	0,02	1,17096	12,5	142.02 9,52	0,2031 23	0,10156 1	10,2428	0	33,195 2	1,1742
1	0,03	1,47179	12,5	114.73	0,2490	0,12452	12,7582	0	27,604	1,1749

				9,87	55	8			5	5
1	0,04	1,72968	12,5	98.126,66	0,288114	0,144057	14,1965	0	24,2583	1,17572
1	0,05	1,96029	12,5	86.625,21	0,322863	0,161432	15,154	0	21,9665	1,17637
1	0,06	2,17097	12,4	78.063,999	0,354521	0,177262	15,8475	0	20,2734	1,17692
1	0,07	2,36646	12,4	71.366,999	0,383872	0,191925	16,3788	0	18,9569	1,17738
1	0,08	2,54966	12,4	65.946,999	0,411382	0,205664	16,8019	0	17,8962	1,17778
1	0,09	2,7233	12,4	61.432,999	0,437385	0,218681	17,1496	0	17,0162	1,17813
1	0,1	2,88908	12,4	57.594,999	0,462240	0,231108	17,4421	0	16,2702	1,17843
1	0,11	3,04811	12,4	54.278,998	0,486079	0,243032	17,6924	0	15,6275	1,17875
1	0,12	3,20126	12,4	51.377,998	0,509035	0,254521	17,9096	0	15,0665	1,17894
1	0,13	3,3492	12,4	48.811,998	0,531209	0,265636	18,1004	0	14,5713	1,17916
1	0,14	3,49247	12,4	46.520,997	0,552871	0,276402	18,2696	0	14,1301	1,17936
1	0,15	3,63144	12,4	44.461,997	0,573729	0,286867	18,4209	0	13,734	1,17954
1	0,16	3,7666	12,4	42.595,996	0,594197	0,297062	18,5573	0	13,3758	1,17978
1	0,17	3,89829	12,4	40.896,996	0,614035	0,307013	18,6809	0	13,0499	1,17986
1	0,18	4,02696	12,4	39.338,995	0,633427	0,316749	18,7938	0	12,7515	1,18
1	0,19	4,15288	12,4	37.903,995	0,652510	0,326291	18,8974	0	12,4769	1,18013
1	0,2	4,27607	12,4	36.576,994	0,671292	0,335646	18,9928	0	12,2234	1,18025
1	0,212	4,42086	12,4	35.109,993	0,693348	0,346659	19,098	0	11,9433	1,18039
1	0,226	4,59036	12,4	33.504,	0,7191	0,35958	19,2126	0	11,637	1,1805

	4		992	82	65	4			2	4
1	0,243 68	4,78839	12,4 991	31.769, 62	0,7494 51	0,37472 7	19,336	0	11,306 7	1,1807
1	0,264 416	5,01896	12,4 989	29.916, 96	0,7848 45	0,39242 4	19,4671	0	10,954 3	1,1808 8
1	0,289 299	5,28661	12,4 986	27.964, 18	0,8261 25	0,41306 4	19,6046	0	10,583 4	1,1810 7
1	0,319 159	5,59653	12,4 983	25.932, 50	0,8742 69	0,43713 6	19,8053	0	10,198	1,1810 6
1	0,354 991	5,95459	12,4 978	23.846, 11	0,9305 53	0,46527 8	20,2104	0	9,8028 5	1,1803 4
1	0,376 339	6,16158	12,4 975	22.750, 14	0,9632 92	0,48164 7	20,4234	0	9,5955 2	1,1799 6
1	0,397 989	6,36722	12,4 972	21.732, 24	0,9959 64	0,49798 3	20,6214	0	9,4031 1	1,1796 1
1	0,449 587	6,84225	12,4 964	19.618, 68	1,0719 7	0,53598 7	21,0328	0	9,0040 3	1,1788 8
1	0,511 504	7,38925	12,4 953	17.532, 79	1,1603 6	0,58017 9	21,4394	0	8,6107 6	1,1781 6
1	0,585 805	8,0173	12,4 94	15.503, 68	1,2631 3	0,63156 4	21,8354	0	8,2287 4	1,1774 6
1	0,674 966	8,73687	12,4 922	13.557, 49	1,3827 2	0,69135 9	22,2157	0	7,8628 1	1,1767 8
1	0,781 959	9,56144	12,4 9	11.715, 87	1,5221 9	0,76109 5	22,576	0	7,5169 7	1,1761 5
1	0,910 351	10,5057	12,4 873	9.997,8 3	1,6852 6	0,84263	22,9125	0	7,1946 7	1,1755 6
1	1,008 69	11,2023	12,4 851	8.940,4 3	1,8078 4	0,90391 9	23,1198	0	6,9964 6	1,1751 9
2	193,0 36	0	12,5	999.99 9,37	0,0176 971	0,00878 195	-134,87	0	300	1,6308 2
2	193,0 46	0,78713 3	12,5	201.21 5,36	0,1436 38	0,07181 91	4,04147	0	45,738 3	1,1751 7
2	193,0 56	1,17096	12,5	142.02 9,52	0,2031 23	0,10156 1	10,2428	0	33,195 2	1,1742
2	193,0 66	1,47179	12,5	114.73 9,87	0,2490 55	0,12452 8	12,7582	0	27,604 5	1,1749 5



2	193,0 76	1,72968	12,5	98.126, 66	0,2881 14	0,14405 7	14,1965	0	24,258 3	1,1757 2
2	193,0 86	1,96029	12,5	86.625, 21	0,3228 63	0,16143 2	15,154	0	21,966 5	1,1763 7
2	193,0 96	2,17097	12,4 999	78.063, 21	0,3545 2	0,17726	15,8475	0	20,273 4	1,1769 2
2	193,1 06	2,36646	12,4 999	71.366, 72	0,3838 5	0,19192 5	16,3788	0	18,956 9	1,1773 8
2	193,1 16	2,54966	12,4 999	65.946, 82	0,4113 27	0,20566 4	16,8019	0	17,896 2	1,1777 8
2	193,1 26	2,7233	12,4 999	61.432, 85	0,4373 62	0,21868 1	17,1496	0	17,016 2	1,1781 3
2	193,1 36	2,88908	12,4 999	57.594, 40	0,4622 15	0,23110 8	17,4421	0	16,270 2	1,1784 3
2	193,1 46	3,04811	12,4 998	54.278, 79	0,4860 62	0,24303 2	17,6924	0	15,627 5	1,1787
2	193,1 56	3,20126	12,4 998	51.377, 35	0,5090 42	0,25452 1	17,9096	0	15,066 5	1,1789 4
2	193,1 66	3,3492	12,4 998	48.811, 09	0,5312 6	0,26563	18,1004	0	14,571 3	1,1791 6
2	193,1 76	3,49247	12,4 997	46.520, 71	0,5528 02	0,27640 2	18,2696	0	14,130 1	1,1793 6
2	193,1 86	3,63144	12,4 997	44.461, 29	0,5737 33	0,28686 7	18,4209	0	13,734 7	1,1795 4
2	193,1 96	3,7666	12,4 996	42.595, 97	0,5941 23	0,29706 2	18,5573	0	13,375 8	1,1797
2	193,2 06	3,89829	12,4 996	40.896, 35	0,6140 24	0,30701 3	18,6809	0	13,049 9	1,1798 6
2	193,2 16	4,02696	12,4 995	39.338, 27	0,6334 97	0,31674 9	18,7938	0	12,751 5	1,18
2	193,2 26	4,15288	12,4 995	37.903, 10	0,6525 81	0,32629 1	18,8974	0	12,476 9	1,1801 3
2	193,2 36	4,27607	12,4 994	36.576, 92	0,6712 9	0,33564 6	18,9928	0	12,223 4	1,1802 5
2	193,2 48	4,42086	12,4 993	35.109, 48	0,6933 15	0,34665 9	19,098	0	11,943 3	1,1803 9
2	193,2 63	4,59036	12,4 992	33.504, 82	0,7191 65	0,35958 4	19,2126	0	11,637 2	1,1805 4

2	193,2 8	4,78839	12,4 991	31.769, 62	0,7494 51	0,37472 7	19,336	0	11,306 7	1,1807
2	193,3 01	5,01896	12,4 989	29.916, 96	0,7848 45	0,39242 4	19,4671	0	10,954 3	1,1808 8
2	193,3 25	5,28661	12,4 986	27.964, 18	0,8261 25	0,41306 4	19,6046	0	10,583 4	1,1810 7
2	193,3 55	5,59653	12,4 983	25.932, 50	0,8742 69	0,43713 6	19,8053	0	10,198	1,1810 6
2	193,3 91	5,95459	12,4 978	23.846, 11	0,9305 53	0,46527 8	20,2104	0	9,8028 5	1,1803 4
2	193,4 13	6,16158	12,4 975	22.750, 14	0,9632 92	0,48164 7	20,4234	0	9,5955 2	1,1799 6
2	193,4 34	6,36722	12,4 972	21.732, 24	0,9959 64	0,49798 3	20,6214	0	9,4031 1	1,1796 1
2	193,4 86	6,84225	12,4 964	19.618, 68	1,0719 7	0,53598 7	21,0328	0	9,0040 3	1,1788 8
2	193,5 48	7,38925	12,4 953	17.532, 79	1,1603 6	0,58017 9	21,4394	0	8,6107 6	1,1781 6
2	193,6 22	8,0173	12,4 94	15.503, 68	1,2631 3	0,63156 4	21,8354	0	8,2287 4	1,1774 6
2	193,7 11	8,73687	12,4 922	13.557, 49	1,3827 2	0,69135 9	22,2157	0	7,8628 1	1,1767 8
2	193,8 18	9,56144	12,4 9	11.715, 87	1,5221 9	0,76109 5	22,576	0	7,5169 7	1,1761 5
2	193,9 47	10,5057	12,4 873	9.997,8 3	1,6852 6	0,84263	22,9125	0	7,1946 7	1,1755 6
2	194,0 45	11,2023	12,4 851	8.940,4 3	1,8078 4	0,90391 9	23,1198	0	6,9964 6	1,1751 9

