

Dispersion Report

Workspace: 72341-1RiempimFSRU

Study: Riempimento FSRU-ME4

Equipment Item: 1H Sistema BOG

72341-1RiempimFSRU\Riempimento FSRU-ME4\1H Sistema BOG

Material	GAS NATURALE	
East	0	m
North	0	m

Scenario (User defined source) : 350mm-Q0,1

72341-1RiempimFSRU\Riempimento FSRU-ME4\1H Sistema BOG\350mm-Q0,1

Material to track	GAS NATURALE
-------------------	---------------------

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	0,1	0	0,1
2	Continuous	3600	0	kg/s	0,1	0	0,1

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/m ³]
1	0	0	25	999.99 9,41	0,0233 887	0,0117 077	10,3696	0	250,29 7	0,7295 21
1	0,01	0,62993 3	25,00 01	214.28 0,70	0,1331 65	0,0666 507	21,5532	0	37,531 9	1,0802 5
1	0,02	0,94681 4	25,00 02	155.76 7,82	0,1827 24	0,0914 514	22,557	0	27,519 7	1,1046 3
1	0,03	1,19623	25,00 03	128.32 9,66	0,2204 02	0,1103 05	23,038	0	22,998 6	1,1159 7
1	0,04	1,4113	25,00 04	111.41 4,48	0,2521 32	0,1261 81	23,3378	0	20,264 3	1,1229 3
1	0,05	1,60394	25,00 06	99.636, 90	0,2800 28	0,1401 38	23,5481	0	18,383 7	1,1277 6
1	0,06	1,78014	25,00 08	90.837, 60	0,3051 48	0,1527 06	23,7061	0	16,991	1,1313 6
1	0,07	1,9441	25,00 1	83.922, 84	0,3282 17	0,1642 47	23,8307	0	15,903 8	1,1341 8
1	0,08	2,09842	25,00 12	78.297, 22	0,3496 77	0,1749 82	23,9324	0	15,024	1,1364 8
1	0,09	2,24481	25,00 14	73.602, 43	0,3698 24	0,1850 6	24,0176	0	14,292 9	1,1383 9
1	0,1	2,38461	25,00 17	69.604, 00	0,3888 81	0,1945 94	24,0902	0	13,672 6	1,1400 2
1	0,11	2,51882	25,00 19	66.142, 41	0,4070 23	0,2036 68	24,1533	0	13,137 2	1,1414 3
1	0,12	2,64782	25,00 22	63.115, 13	0,4243 22	0,2123 21	24,2085	0	12,670 3	1,1426 6
1	0,13	2,77232	25,00 24	60.436, 06	0,4408 96	0,2206 11	24,2574	0	12,258 1	1,1437 5

1	0,14	2,8929	25,00	58.041,	0,4568	0,2285	24,3012	0	11,890	1,1447
			27	45	4	86			4	2
1	0,15	3,00992	25,00	55.884,	0,4722	0,2362	24,3407	0	11,559	1,1455
			3	69	16	77			9	9
1	0,16	3,12355	25,00	53.931,	0,4870	0,2437	24,3765	0	11,261	1,1463
			33	47	6	01			1	9
1	0,17	3,23421	25,00	52.149,	0,5014	0,2508	24,4092	0	10,989	1,1471
			36	78	37	92				1
1	0,18	3,34225	25,00	50.514,	0,5154	0,2578	24,4392	0	10,739	1,1477
			39	56		75			5	7
1	0,19	3,44782	25,00	49.007,	0,5289	0,2646	24,467	0	10,51	1,1483
			42	32	78	66				8
1	0,2	3,55131	25,00	47.609,	0,5422	0,2712	24,4927	0	10,297	1,1489
			45	76	26	92			3	5
1	0,212	3,67315	25,00	46.057,	0,5577	0,2790	24,5212	0	10,061	1,1495
			49	40	43	52			5	8
1	0,226	3,81553	25,00	44.358,	0,5757	0,2880	24,5525	0	9,8037	1,1502
	4		54	78	8	72			2	7
1	0,243	3,98205	25,00	42.514,	0,5967	0,2985	24,5866	0	9,5242	1,1510
	68		6	42	42	55			7	1
1	0,264	4,17589	25,00	40.538,	0,6209	0,3106	24,623	0	9,2254	1,1518
	416		68	76	74	73			2	1
1	0,289	4,4011	25,00	38.445,	0,6489	0,3246	24,6617	0	8,9093	1,1526
	299		77	78	15	45			6	6
1	0,319	4,66185	25,00	36.257,	0,6809	0,3406	24,7022	0	8,5794	1,1535
	159		89	01	98	88			3	4
1	0,354	4,96289	25,01	33.996,	0,7177	0,3590	24,7441	0	8,2392	1,1544
	991		03	14	1	44			9	5
1	0,397	5,30967	25,01	31.688,	0,7596	0,3799	24,7869	0	7,8927	1,1553
	989		22	09	01	9			3	9
1	0,449	5,70815	25,01	29.359,	0,8072	0,4038	24,8302	0	7,5438	1,1563
	587		44	69	64	2			1	3
1	0,511	6,16397	25,01	27.041,	0,8612	0,4308	24,8733	0	7,1971	1,1572
	504		73	30	6	16				6
1	0,585	6,68395	25,02	24.758,	0,9222	0,4613	24,9158	0	6,8563	1,1581
	805		09	11	78	2			6	8
1	0,617	6,89561	25,02	23.921,	0,9469	0,4736	24,9314	0	6,7316	1,1585
	099		24	22	57	57			4	2

1	0,674 966	7,27696	25,02 54	22.526, 28	0,9913 04	0,4958 26	24,9575	0	6,5239 7	1,1590 8
1	0,781 959	7,94723	25,03 12	20.369, 02	1,0691 8	0,5347 51	24,9978	0	6,2033 7	1,1599 5
1	0,910 351	8,71691	25,03 83	18.291, 01	1,1575	0,5788 97	25,0366	0	5,8952	1,1607 8
1	1,064 42	9,60217	25,04 72	16.308, 14	1,2576 6	0,6289 58	25,0738	0	5,6017 6	1,1615 8
1	1,249 31	10,6156	25,05 83	14.432, 57	1,3713 3	0,6857 66	25,109	0	5,3248 2	1,1623 3
1	1,471 17	11,7729	25,07 2	12.674, 99	1,5003 8	0,7502 56	25,142	0	5,0659 2	1,1630 3
1	1,737 4	13,0933	25,08 91	11.042, 33	1,6470 8	0,8235 63	25,1727	0	4,8260 4	1,1636 9
1	2,056 88	14,6018	25,11	9.536,6 5	1,8144 5	0,9071 86	25,2012	0	4,6054 4	1,1642 9
1	2,440 26	16,3265	25,13 56	8.159,6 2	2,0060 3	1,0029	25,2272	0	4,4043 6	1,1648 4
1	2,719 33	17,536	25,15 45	7.360,3 1	2,1407 1	1,0702	25,2424	0	4,288	1,1651 6
2	3600	0	25	999.99 9,41	0,0233 887	0,0117 077	10,3696	0	250,29 7	0,7295 21
2	3600, 01	0,62993 3	25,00 01	214.28 0,70	0,1331 65	0,0666 507	21,5532	0	37,531 9	1,0802 5
2	3600, 02	0,94681 4	25,00 02	155.76 7,82	0,1827 24	0,0914 514	22,557	0	27,519 7	1,1046 3
2	3600, 03	1,19623	25,00 03	128.32 9,66	0,2204 02	0,1103 05	23,038	0	22,998 6	1,1159 7
2	3600, 04	1,4113	25,00 04	111.41 4,48	0,2521 32	0,1261 81	23,3378	0	20,264 3	1,1229 3
2	3600, 05	1,60394	25,00 06	99.636, 90	0,2800 28	0,1401 38	23,5481	0	18,383 7	1,1277 6
2	3600, 06	1,78014	25,00 08	90.837, 60	0,3051 48	0,1527 06	23,7061	0	16,991	1,1313 6
2	3600, 07	1,9441	25,00 1	83.922, 84	0,3282 17	0,1642 47	23,8307	0	15,903 8	1,1341 8
2	3600,	2,09842	25,00	78.297,	0,3496	0,1749	23,9324	0	15,024	1,1364

	08		12	22	77	82			8	
2	3600, 09	2,24481	25,00 14	73.602, 43	0,3698 24	0,1850 6	24,0176	0	14,292 9	1,1383 9
2	3600, 1	2,38461	25,00 17	69.604, 00	0,3888 81	0,1945 94	24,0902	0	13,672 6	1,1400 2
2	3600, 11	2,51882	25,00 19	66.142, 41	0,4070 23	0,2036 68	24,1533	0	13,137 2	1,1414 3
2	3600, 12	2,64782	25,00 22	63.115, 13	0,4243 22	0,2123 21	24,2085	0	12,670 3	1,1426 6
2	3600, 13	2,77232	25,00 24	60.436, 06	0,4408 96	0,2206 11	24,2574	0	12,258 1	1,1437 5
2	3600, 14	2,8929	25,00 27	58.041, 45	0,4568 4	0,2285 86	24,3012	0	11,890 4	1,1447 2
2	3600, 15	3,00992	25,00 3	55.884, 69	0,4722 16	0,2362 77	24,3407	0	11,559 9	1,1455 9
2	3600, 16	3,12355	25,00 33	53.931, 47	0,4870 6	0,2437 01	24,3765	0	11,261 1	1,1463 9
2	3600, 17	3,23421	25,00 36	52.149, 78	0,5014 37	0,2508 92	24,4092	0	10,989	1,1471 1
2	3600, 18	3,34225	25,00 39	50.514, 56	0,5154	0,2578 75	24,4392	0	10,739 5	1,1477 7
2	3600, 19	3,44782	25,00 42	49.007, 32	0,5289 78	0,2646 66	24,467	0	10,51	1,1483 8
2	3600, 2	3,55131	25,00 45	47.609, 76	0,5422 26	0,2712 92	24,4927	0	10,297 3	1,1489 5
2	3600, 21	3,67315	25,00 49	46.057, 40	0,5577 43	0,2790 52	24,5212	0	10,061 5	1,1495 8
2	3600, 23	3,81553	25,00 54	44.358, 78	0,5757 8	0,2880 72	24,5525	0	9,8037 2	1,1502 7
2	3600, 24	3,98205	25,00 6	42.514, 42	0,5967 42	0,2985 55	24,5866	0	9,5242 7	1,1510 1
2	3600, 26	4,17589	25,00 68	40.538, 76	0,6209 74	0,3106 73	24,623	0	9,2254 2	1,1518 1
2	3600, 29	4,4011	25,00 77	38.445, 78	0,6489 15	0,3246 45	24,6617	0	8,9093 6	1,1526 6
2	3600, 32	4,66185	25,00 89	36.257, 01	0,6809 98	0,3406 88	24,7022	0	8,5794 3	1,1535 4
2	3600, 4,96289	25,01 33.996,	0,7177	0,3590	24,7441	0	8,2392	1,1544		

	35		03	14	1	44			9	5
2	3600, 4	5,30967	25,01 22	31.688, 09	0,7596 01	0,3799 9	24,7869	0	7,8927 3	1,1553 9
2	3600, 45	5,70815	25,01 44	29.359, 69	0,8072 64	0,4038 2	24,8302	0	7,5438 1	1,1563 3
2	3600, 51	6,16397	25,01 73	27.041, 30	0,8612 6	0,4308 16	24,8733	0	7,1971	1,1572 6
2	3600, 59	6,68395	25,02 09	24.758, 11	0,9222 78	0,4613 2	24,9158	0	6,8563 6	1,1581 8
2	3600, 62	6,89561	25,02 24	23.921, 22	0,9469 57	0,4736 57	24,9314	0	6,7316 4	1,1585 2
2	3600, 67	7,27696	25,02 54	22.526, 28	0,9913 04	0,4958 26	24,9575	0	6,5239 7	1,1590 8
2	3600, 78	7,94723	25,03 12	20.369, 02	1,0691 8	0,5347 51	24,9978	0	6,2033 7	1,1599 5
2	3600, 91	8,71691	25,03 83	18.291, 01	1,1575	0,5788 97	25,0366	0	5,8952	1,1607 8
2	3601, 06	9,60217	25,04 72	16.308, 14	1,2576 6	0,6289 58	25,0738	0	5,6017 6	1,1615 8
2	3601, 25	10,6156	25,05 83	14.432, 57	1,3713 3	0,6857 66	25,109	0	5,3248 2	1,1623 3
2	3601, 47	11,7729	25,07 2	12.674, 99	1,5003 8	0,7502 56	25,142	0	5,0659 2	1,1630 3
2	3601, 74	13,0933	25,08 91	11.042, 33	1,6470 8	0,8235 63	25,1727	0	4,8260 4	1,1636 9
2	3602, 06	14,6018	25,11	9.536,6 5	1,8144 5	0,9071 86	25,2012	0	4,6054 4	1,1642 9
2	3602, 44	16,3265	25,13 56	8.159,6 2	2,0060 3	1,0029	25,2272	0	4,4043 6	1,1648 4
2	3602, 72	17,536	25,15 45	7.360,3 1	2,1407 1	1,0702	25,2424	0	4,288	1,1651 6

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	0,1	0	0,1
2	Continuous	3600	0	kg/s	0,1	0	0,1

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/Li ne conc [ppm]	Effect ive width [m]	Effect ive depth [m]	C/Line vapour temperature [degC]	C/Li ne liquid fraction	Centr oid velocity [m/s]	C/Li ne cloud density [kg/m3]
1	0	0	25	999.99	0,0234	0,0117	10,3696	0	250,29	0,7295
				9,41	02	01			7	21
1	0,01	0,64829	25,00	211.79	0,1305	0,0652	21,1283	0	39,492	1,0833
		4	01	6,20	49	747			3	3
1	0,02	0,98495	25,00	152.61	0,1782	0,0891	22,1027	0	29,507	1,1081
		1	01	4,92	26	13			5	9

1	0,03	1,25436	25,00	124.82	0,2142	0,1071	22,5702	0	24,994	1,1197
			03	7,03	96	48			7	6
1	0,04	1,48889	25,00	107.73	0,2444	0,1222	22,8612	0	22,271	1,1268
			04	3,52	89	44			9	5
1	0,05	1,70061	25,00	95.847,	0,2709	0,1354	23,0649	0	20,402	1,1317
			06	92	19	6			1	7
1	0,06	1,89674	25,00	86.925,	0,2947	0,1473	23,2187	0	19,010	1,1354
			08	28	9	95			7	5
1	0,07	2,0807	25,00	79.913,	0,3166	0,1583	23,3401	0	17,924	1,1383
			09	07	96	48			6	4
1	0,08	2,25486	25,00	74.214,	0,3370	0,1685	23,4391	0	17,046	1,1406
			12	37	45	23			7	9
1	0,09	2,42113	25,00	69.458,	0,3561	0,1780	23,5219	0	16,317	1,1426
			14	78	45	73			3	4
1	0,1	2,58044	25,00	65.418,	0,3741	0,1870	23,5924	0	15,699	1,1443
			16	71	7	85			9	
1	0,11	2,734	25,00	61.926,	0,3913	0,1956	23,6534	0	15,167	1,1457
			18	05	05	52			9	3
1	0,12	2,88291	25,00	58.860,	0,4077	0,2038	23,7071	0	14,702	1,1469
			21	06	13	57			1	9
1	0,13	3,02735	25,00	56.147,	0,4234	0,2117	23,7547	0	14,291	1,1481
			23	03	45	22				
1	0,14	3,16804	25,00	53.720,	0,4386	0,2193	23,7974	0	13,924	1,1491
			26	09	05	02				
1	0,15	3,30524	25,00	51.534,	0,4532	0,2266	23,8358	0	13,594	1,1499
			28	40	4	2			1	9
1	0,16	3,43918	25,00	49.553,	0,4673	0,2336	23,8707	0	13,295	1,1508
			31	76	96	98			7	
1	0,17	3,57029	25,00	47.746,	0,4811	0,2405	23,9025	0	13,023	1,1515
			34	15	33	66			8	4
1	0,18	3,69888	25,00	46.087,	0,4944	0,2472	23,9318	0	12,774	1,1522
			37	05	95	48			6	2
1	0,19	3,82524	25,00	44.556,	0,5075	0,2537	23,9588	0	12,544	1,1528
			4	25	24	62			9	5
1	0,2	3,94919	25,00	43.141,	0,5202	0,2601	23,9838	0	12,333	1,1534
			43	55	14	07				3
1	0,212	4,09517	25,00	41.576,	0,5350	0,2675	24,0115	0	12,098	1,1540
			46	23	47	23			8	7

1	0,226 4	4,26671	25,00 51	39.862, 57	0,5523 31	0,2761 66	24,0418	0	11,842 7	1,1547 7
1	0,243 68	4,46793	25,00 56	38.006, 90	0,5724 18	0,2862 09	24,0747	0	11,565 8	1,1555 2
1	0,264 416	4,70379	25,00 63	36.018, 90	0,5957 14	0,2978 57	24,1099	0	11,269 7	1,1563 3
1	0,289 299	4,9806	25,00 71	33.910, 21	0,6227 22	0,3113 61	24,1473	0	10,956 1	1,1571 9
1	0,319 159	5,30392	25,00 82	31.707, 29	0,6538 67	0,3269 33	24,1865	0	10,629 1	1,1580 9
1	0,354 991	5,68016	25,00 94	29.438, 65	0,6896 33	0,3448 17	24,2268	0	10,293	1,1590 2
1	0,397 989	6,11657	25,01 1	27.134, 22	0,7305 67	0,3652 84	24,2679	0	9,9522 1	1,1599 6
1	0,449 587	6,62288	25,01 29	24.819, 40	0,7773 91	0,3886 96	24,3091	0	9,6105 7	1,1609
1	0,472 382	6,84113	25,01 38	23.921, 22	0,7973 84	0,3986 92	24,3252	0	9,4782	1,1612 6
1	0,511 504	7,20787	25,01 53	22.526, 73	0,8307 77	0,4153 88	24,3501	0	9,2728 7	1,1618 3
1	0,585 805	7,88496	25,01 83	20.278, 18	0,8917 26	0,4458 63	24,3902	0	8,9423 2	1,1627 5
1	0,674 966	8,66915	25,02 2	18.096, 64	0,9613 72	0,4806 86	24,4292	0	8,6222 4	1,1636 3
1	0,781 959	9,57614	25,02 65	16.005, 42	1,0409 7	0,5204 85	24,4667	0	8,3160 1	1,1644 8
1	0,910 351	10,6285	25,03 2	14.019, 64	1,1322 6	0,5661 28	24,5022	0	8,0257 5	1,1652 9
1	0,911 115	10,6346	25,03 21	14.009, 18	1,1327 9	0,5663 93	24,5024	0	8,0242 3	1,1652 9
2	3600	0	25	999.99 9,41	0,0234 02	0,0117 01	10,3696	0	250,29 7	0,7295 21
2	3600, 01	0,64829 4	25,00 01	211.79 6,20	0,1305 49	0,0652 747	21,1283	0	39,492 3	1,0833 3
2	3600, 02	0,98495 1	25,00 01	152.61 4,92	0,1782 26	0,0891 13	22,1027	0	29,507 5	1,1081 9
2	3600,	1,25436	25,00	124.82	0,2142	0,1071	22,5702	0	24,994	1,1197

	03		03	7,03	96	48			7	6
2	3600, 04	1,48889	25,00 04	107.73 3,52	0,2444 89	0,1222 44	22,8612	0	22,271 9	1,1268 5
2	3600, 05	1,70061	25,00 06	95.847, 92	0,2709 19	0,1354 6	23,0649	0	20,402 1	1,1317 7
2	3600, 06	1,89674	25,00 08	86.925, 28	0,2947 9	0,1473 95	23,2187	0	19,010 7	1,1354 5
2	3600, 07	2,0807	25,00 09	79.913, 07	0,3166 96	0,1583 48	23,3401	0	17,924 6	1,1383 4
2	3600, 08	2,25486	25,00 12	74.214, 37	0,3370 45	0,1685 23	23,4391	0	17,046 7	1,1406 9
2	3600, 09	2,42113	25,00 14	69.458, 78	0,3561 45	0,1780 73	23,5219	0	16,317 3	1,1426 4
2	3600, 1	2,58044	25,00 16	65.418, 71	0,3741 7	0,1870 85	23,5924	0	15,699 9	1,1443
2	3600, 11	2,734	25,00 18	61.926, 05	0,3913 05	0,1956 52	23,6534	0	15,167 9	1,1457 3
2	3600, 12	2,88291	25,00 21	58.860, 06	0,4077 13	0,2038 57	23,7071	0	14,702 1	1,1469 9
2	3600, 13	3,02735	25,00 23	56.147, 03	0,4234 45	0,2117 22	23,7547	0	14,291	1,1481
2	3600, 14	3,16804	25,00 26	53.720, 09	0,4386 05	0,2193 02	23,7974	0	13,924	1,1491
2	3600, 15	3,30524	25,00 28	51.534, 40	0,4532 4	0,2266 2	23,8358	0	13,594 1	1,1499 9
2	3600, 16	3,43918	25,00 31	49.553, 76	0,4673 96	0,2336 98	23,8707	0	13,295 7	1,1508
2	3600, 17	3,57029	25,00 34	47.746, 15	0,4811 33	0,2405 66	23,9025	0	13,023 8	1,1515 4
2	3600, 18	3,69888	25,00 37	46.087, 05	0,4944 95	0,2472 48	23,9318	0	12,774 6	1,1522 2
2	3600, 19	3,82524	25,00 4	44.556, 25	0,5075 24	0,2537 62	23,9588	0	12,544 9	1,1528 5
2	3600, 2	3,94919	25,00 43	43.141, 55	0,5202 14	0,2601 07	23,9838	0	12,333	1,1534 3
2	3600, 21	4,09517	25,00 46	41.576, 23	0,5350 47	0,2675 23	24,0115	0	12,098 8	1,1540 7
2	3600, 4,26671		25,00	39.862,	0,5523	0,2761	24,0418	0	11,842	1,1547

	23		51	57	31	66			7	7
2	3600, 24	4,46793	25,00 56	38.006, 90	0,5724 18	0,2862 09	24,0747	0	11,565 8	1,1555 2
2	3600, 26	4,70379	25,00 63	36.018, 90	0,5957 14	0,2978 57	24,1099	0	11,269 7	1,1563 3
2	3600, 29	4,9806	25,00 71	33.910, 21	0,6227 22	0,3113 61	24,1473	0	10,956 1	1,1571 9
2	3600, 32	5,30392	25,00 82	31.707, 29	0,6538 67	0,3269 33	24,1865	0	10,629 1	1,1580 9
2	3600, 35	5,68016	25,00 94	29.438, 65	0,6896 33	0,3448 17	24,2268	0	10,293	1,1590 2
2	3600, 4	6,11657	25,01 1	27.134, 22	0,7305 67	0,3652 84	24,2679	0	9,9522 1	1,1599 6
2	3600, 45	6,62288	25,01 29	24.819, 40	0,7773 91	0,3886 96	24,3091	0	9,6105 7	1,1609
2	3600, 47	6,84113	25,01 38	23.921, 22	0,7973 84	0,3986 92	24,3252	0	9,4782	1,1612 6
2	3600, 51	7,20787	25,01 53	22.526, 73	0,8307 77	0,4153 88	24,3501	0	9,2728 7	1,1618 3
2	3600, 59	7,88496	25,01 83	20.278, 18	0,8917 26	0,4458 63	24,3902	0	8,9423 2	1,1627 5
2	3600, 67	8,66915	25,02 2	18.096, 64	0,9613 72	0,4806 86	24,4292	0	8,6222 4	1,1636 3
2	3600, 78	9,57614	25,02 65	16.005, 42	1,0409 7	0,5204 85	24,4667	0	8,3160 1	1,1644 8
2	3600, 91	10,6285	25,03 2	14.019, 64	1,1322 6	0,5661 28	24,5022	0	8,0257 5	1,1652 9
2	3600, 91	10,6346	25,03 21	14.009, 18	1,1327 9	0,5663 93	24,5024	0	8,0242 3	1,1652 9

