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02	...		
01	...		
REVIZE	POPIS	DATUM	PODPIS

## OBJEDNATEL

SPRÁVA ŽELEZNIC, STÁTNÍ ORGANIZACE  
DLÁŽDĚNÁ 1003/7, 110 00 PRAHA 1

STAVEBNÍ SPRÁVA VÝCHOD, NERUDOVA 1, 772 58 OLOMOUC



<b>SAGASTA s.r.o.</b> SÍDLO: NOVODVORSKÁ 1010/14, 142 00 PRAHA 4 IČ: 045 98 555      DIČ: CZ045 98 555						JTSK Bpv ČÍSLO SOUPRAVY	
ODPOVĚDNÝ PROJEKTANT	VYPRACOVAL	KONTROLA	HIP	ČÍSLO ZAKÁZKY 120 020 DOKUMENTACE PPK MĚŘÍTKO - DATUM 12/2020 POČET FORMÁTŮ -			
ING. EMIL ŠPAČEK	ING. JAN MITISKA	ING. MARTINA MAIXNEROVÁ	ING. EMIL ŠPAČEK				
PODPIS	PODPIS	PODPIS	PODPIS				
OBSAH <div style="text-align: center;"> <h2>VYHOTOVENÍ PROJEKTU PPK NA TRATI TÚ 0521 ŠTĚDRÁ</h2> </div>							
NÁZEV PŘÍLOHY <div style="text-align: center;"> <h2>PARAMETRY GPK</h2> </div>				ČÁST <div style="text-align: center;">-</div>		ČÍSLO PŘÍLOHY <div style="text-align: center;">D</div>	
DOKUMENTACI LZE UŽÍVAT POUZE VE SMYSLU PŘÍSLUŠNÉ SMLOUVY O DÍLO. VÝKRES, ČI JEHO ČÁST, MŮŽE BÝT KOPÍROVÁN NEBO JINÝM ZPŮSOBEM ROZŠÍŘOVÁN POUZE PO PŘEDCHOZÍM SOUHLASU SAGASTA s.r.o.							

# Výpis hlavních bodů

kolej 1

ČÍSLO	STANIČENÍ	TYP	X	Y	Z
1001	58.736469	ZU=ZO	835246.5620	1033701.4969	551.188
1002	58.769822	KO	835279.7283	1033705.0194	551.172
1003	58.809709	ZO	835319.3936	1033709.2187	551.154
1004	58.825176	KO	835334.7660	1033710.9238	551.147
1005	58.840782	ZP	835350.2684	1033712.7217	551.139
1006	58.867782	ZO	835377.1488	1033715.1955	551.127
1007	58.903181	ZZO	835412.4546	1033713.4729	551.111
1008	58.907221	LN	835416.4471	1033712.8591	551.106
1009	58.911260	KZO	835420.4257	1033712.1606	551.096
1010	58.915982	KO/ZO	835425.0564	1033711.2371	551.081
1011	58.931982	KO	835440.5759	1033707.3595	551.031
1012	58.947233	ZZO	835455.0903	1033702.6855	550.982
1013	58.951982	ZO=LN	835459.5554	1033701.0673	550.971
1014	58.956731	KZO	835463.9963	1033699.3839	550.968
1015	58.963982	KO=ZV1	835470.7283	1033696.6910	550.968
1016	58.997213	ZO=KV1	835501.4450	1033684.0108	550.968
1017	59.007213	KO=ZV3	835510.7502	1033680.3498	550.968
1018	59.041390	ZZO	835542.7579	1033668.3688	550.968
1019	59.044944	LN	835546.0863	1033667.1229	550.971
1020	59.048498	KZO	835549.4147	1033665.8771	550.979
1021	59.066891	ZO	835566.6412	1033659.4289	551.031
1022	59.077570	KO	835576.6223	1033655.6320	551.062
1023	59.084373	ZZO	835582.9678	1033653.1792	551.081
1024	59.091007	LN	835589.1548	1033650.7877	551.094
1025	59.097640	KZO	835595.3418	1033648.3961	551.094
1026	59.169898	ZZO	835662.7405	1033622.3439	551.026
1027	59.172235	LN	835664.9205	1033621.5012	551.025
1028	59.174573	KZO	835667.1004	1033620.6586	551.025
1029	59.180418	ZO	835672.5524	1033618.5512	551.026
1030	59.210795	KO	835700.8949	1033607.6204	551.038
1031	59.275507	ZZO	835761.2898	1033584.3808	551.065
1032	59.277418	LN	835763.0733	1033583.6945	551.066
1033	59.279329	KZO	835764.8568	1033583.0082	551.065
1034	59.353508	ZO	835834.0876	1033556.3686	551.038
1035	59.353654	ZZO	835834.2237	1033556.3162	551.038
1036	59.355089	LN	835835.5628	1033555.8018	551.037
1037	59.356523	KZO	835836.9024	1033555.2886	551.036
1038	59.361738	KO/ZO	835841.7760	1033553.4336	551.031
1039	59.367948	KO=KV06	835847.5782	1033551.2209	551.026
1040	59.386590	BO6	835864.9814	1033544.5384	551.006
1041	59.398302	ZO=ZV6	835875.4163	1033539.2202	550.997
1042	59.402891	ZZO	835879.4969	1033537.1208	550.993
1043	59.405370	LN	835881.6946	1033535.9738	550.992
1044	59.405652	KO/ZO	835881.9442	1033535.8427	550.992
1045	59.409708	KZO	835883.8912	1033534.8248	550.994
1046	59.413002	KO=KV07	835888.4722	1033532.4652	551.002

1047	59.431644	BO7	835905.0815	1033524.0002	551.033
1048	59.443356	ZO=ZV7	835916.0151	1033519.8019	551.049
1049	59.444124	ZZO	835916.7183	1033519.5319	551.050
1050	59.447731	LN	835920.0987	1033518.2319	551.053
1051	59.451337	KZO	835923.4781	1033516.9294	551.051
1052	59.454418	KO/ZO	835926.3385	1033515.8249	551.047
1053	59.464861	KO	835936.0804	1033512.0652	551.032
1054	59.476958	ZZO	835942.6136	1033509.5479	551.023
1055	59.484490	LN	835951.5295	1033506.1123	551.019
1056	59.492023	KZO	835960.4455	1033502.6768	551.034
1057	59.507377	KU	835975.7533	1033496.7784	551.074

\*Výška LN je vztažena k TK

## kolej 2

ČÍSLO	STANIČENÍ	TYP	X	Y	Z
2001	58.963982	ZU=ZO=ZV1	835470.7283	1033696.6910	550.968
2002	58.997179	KO/ZO=KVo1=Z	835500.6508	1033682.3536	550.968
2003	59.030376	KO/ZO=KVo2	835530.5734	1033668.0161	550.968
2004	59.034437	ZZO	835534.3375	1033666.4919	550.968
2005	59.036899	LN	835536.6290	1033665.5930	550.969
2006	59.039360	KZO	835538.9277	1033664.7128	550.971
2007	59.046448	KO/ZO	835545.5867	1033662.2840	550.978
2008	59.061089	ZZO	835559.3383	1033657.2623	550.993
2009	59.062353	LN	835560.5198	1033656.8130	550.993
2010	59.063617	KZO	835561.7004	1033656.3612	550.993
2011	59.065026	KO	835563.0158	1033655.8545	550.993
2012	59.203484	ZO	835692.1588	1033605.9292	550.956
2013	59.216099	KO	835703.9313	1033601.3952	550.953
2014	59.224945	ZZO	835712.1897	1033598.2265	550.950
2015	59.226951	LN	835714.0633	1033597.5076	550.950
2016	59.228958	KZO	835715.9369	1033596.7887	550.951
2017	59.264163	ZO=ZV5	835748.8049	1033584.1776	550.970
2018	59.273134	KO/ZO	835757.1759	1033580.9513	550.974
2019	59.281293	KO	835764.7874	1033578.0118	550.979
2020	59.313423	ZZO	835794.7698	1033566.4611	550.996
2021	59.316971	LN	835798.0800	1033565.1858	550.996
2022	59.320518	KZO	835801.3901	1033563.9106	550.992
2023	59.363132	ZZO	835841.1546	1033548.5913	550.929
2024	59.369057	LN	835846.6844	1033546.4609	550.925
2025	59.375001	KZO	835852.2305	1033544.3243	550.931
2026	59.397263	ZO	835873.0043	1033536.3212	550.974
2027	59.403904	KO	835879.2024	1033533.9373	550.986
2028	59.408157	ZZO	835883.1735	1033532.4125	550.994
2029	59.409066	LN	835884.0215	1033532.0869	550.996
2030	59.409974	KZO	835884.8695	1033531.7613	550.998
2031	59.443337	KU=ZV7	835916.0151	1033519.8019	551.049

\*výška LN je vztažena k TK

kolej 3

ČÍSLO	STANIČENÍ	TYP	X	Y	Z
3001	59.007213	ZU=ZO=ZV3	835510.7502	1033680.3498	550.968
3002	59.040410	KO=KVo3	835542.4203	1033670.4544	550.968
3003	59.041881	ZZO	835543.8468	1033670.0939	550.968
3004	59.045100	LN	835546.9677	1033669.3053	550.970
3005	59.048319	KZO	835550.0885	1033668.5167	550.973
3006	59.049791	ZO	835551.5150	1033668.1562	550.975
3007	59.063104	ZZO	835564.3457	1033664.6093	550.992
3008	59.065502	LN	835566.6398	1033663.9100	550.994
3009	59.067900	KZO	835568.9282	1033663.1924	550.994
3010	59.086300	KO	835586.2808	1033657.0825	550.982
3011	59.163775	ZO	835658.5350	1033629.1234	550.934
3012	59.196723	KO	835689.2821	1033617.2839	550.914
3013	59.198492	ZZO	835690.9341	1033616.6509	550.913
3014	59.200373	LN	835692.6908	1033615.9777	550.912
3015	59.202254	KZO	835694.4476	1033615.3046	550.912
3016	59.320501	ZO	835804.8661	1033572.9953	550.966
3017	59.336353	ZZO	835819.5352	1033566.9902	550.973
3018	59.339225	LN	835822.1626	1033565.8316	550.976
3019	59.342097	KZO	835824.7805	1033564.6515	550.981
3020	59.357400	KO	835838.5629	1033558.0027	551.013
3021	59.361262	ZZO	835842.0039	1033556.2490	551.021
3022	59.365056	LN	835845.3840	1033554.5263	551.026
3023	59.368850	KZO	835848.7640	1033552.8036	551.025
3024	59.398764	KU=ZV6	835875.4163	1033539.2202	550.997

\*výška LN je vztažena k TK

**kolej 4**

ČÍSLO	STANIČENÍ	TYP	X	Y	Z
4001	58.997112	ZU=ZV2	835500.6508	1033682.3536	550.968
4002	59.030343	ZO=KV2	835529.7793	1033666.3588	550.968
4003	59.032767	ZZO	835531.9100	1033665.2022	550.968
4004	59.033751	LN	835532.7780	1033664.7387	550.968
4005	59.034736	KZO	835533.6479	1033664.2785	550.966
4006	59.037343	KO=KVo4	835535.9615	1033663.0759	550.961
4007	59.064697	ZO=ZV4	835560.6710	1033651.4183	550.908
4008	59.064858	ZZO	835560.8210	1033651.3602	550.908
4009	59.071315	LN	835566.8493	1033649.0455	550.905
4010	59.073697	KO	835569.0759	1033648.2000	550.910
4011	59.077773	KZO	835572.8875	1033646.7568	550.924
4012	59.086295	ZZO	835580.8575	1033643.7392	550.962
4013	59.091759	LN	835585.9677	1033641.8044	550.979
4014	59.097223	KZO	835591.0780	1033639.8695	550.982
4015	59.113025	ZO	835605.8562	1033634.2742	550.966
4016	59.119649	KO	835612.0394	1033631.8996	550.960
4017	59.132699	ZZO	835624.1997	1033627.1634	550.947
4018	59.136168	LN	835627.4327	1033625.9043	550.942
4019	59.139345	ZO	835630.3922	1033624.7516	550.934
4020	59.139638	KZO	835630.6657	1033624.6451	550.933
4021	59.152591	ZZO	835642.7406	1033619.9579	550.890
4022	59.159313	LN	835649.0116	1033617.5354	550.876
4023	59.166036	KZO	835655.2854	1033615.1200	550.876
4024	59.196657	KO/ZO	835683.8956	1033604.2070	550.913
4025	59.217885	KO	835704.1099	1033597.7589	550.939
4026	59.225243	ZZO	835711.2289	1033595.8978	550.948
4027	59.226416	LN	835712.3639	1033595.6011	550.949
4028	59.227589	KZO	835713.4989	1033595.3043	550.950
4029	59.231432	ZO=KVo5	835717.2169	1033594.3323	550.952
4030	59.264629	KU=KO=ZV5	835748.8049	1033584.1776	550.970

\*výška LN se vztahuje k TK

**kolej 4a**

ČÍSLO	STANIČENÍ	TYP	X	Y	Z
4801	58.971597	ZU	835474.0770	1033684.8480	550.953
4802	59.026954	ZO	835525.7302	1033664.9393	550.968
4803	59.030839	ZZO	835529.3546	1033663.5412	550.969
4804	59.033062	LN	835531.4281	1033662.7402	550.968
4805	59.035285	KZO	835533.5014	1033661.9386	550.965
4806	59.037366	KO=KV4	835535.4423	1033661.1873	550.961
4807	59.064420	KU=ZV4	835560.6710	1033651.4183	550.908

\*výška LN je vztažena k TK

# hlavní body výhybek

VÝHYBKA	STANIČENÍ	BOD	X	Y	Z	ČÍSLO B.	ALT.ČÍSLO
1	58.963982	ZV	835470.7283	1033696.6910	550.968	1015	2001
JS49-1:9-300	58.965566	hrot	835472.1925	1033696.0866	550.968	112	
	58.980598	BO	835486.0867	1033690.3509	550.968	113	
	58.997213	KV	835501.4450	1033684.0108	550.968	1016	
	58.997179	KVo	835500.6508	1033682.3536	550.968	2002	4001
2	58.997112	ZV	835500.6508	1033682.3536	550.968	2002	4001
JS49-1:9-300	58.998696	hrot	835502.0393	1033681.5912	550.968	122	
	59.013727	BO	835515.2150	1033674.3562	550.968	123	
	59.030343	KV	835529.7793	1033666.3588	550.968	4002	
	59.030376	KVo	835530.5734	1033668.0161	550.968	2003	
3	59.007213	ZV	835510.7502	1033680.3498	550.968	1017	3001
JS49-1:9-300	59.008797	hrot	835512.2336	1033679.7945	550.968	132	
	59.023829	BO	835526.3112	1033674.5251	550.968	133	
	59.040444	KV	835541.8722	1033668.7003	550.968	134	
	59.040410	KVo	835542.4203	1033670.4544	550.968	3002	
4	59.064420	ZV	835560.6710	1033651.4183	550.908	4007	4807
JA-6°-200-II	59.063590	hrot	835559.8970	1033651.7180	550.909	142	
	59.055728	BO	835552.5468	1033654.5641	550.925	143	
	59.037366	KV	835535.4423	1033661.1873	550.961	4806	
	59.037343	KVo	835535.9615	1033663.0759	550.961	4006	
5	59.264163	ZV	835748.8049	1033584.1776	550.970	2017	4030
JS49-1:9-300	59.262579	hrot	835747.3260	1033584.7450	550.969	152	
	59.247547	BO	835733.2921	1033590.1297	550.961	153	
	59.230932	KV	835717.7793	1033596.0818	550.952	154	
	59.231432	KVo	835717.2169	1033594.3323	550.952	4029	
6	59.398764	ZV	835875.4163	1033539.2202	550.997	1041	3024
JT-6°-200-I	59.394914	hrot	835871.9861	1033540.9685	551.001	162	
	59.387052	BO	835864.9814	1033544.5384	551.008	1040	
	59.369210	KV	835849.0848	1033552.6402	551.025	164	
	59.367948	KVo	835847.5782	1033551.2209	551.026	1039	
7	59.443337	ZV	835916.0151	1033519.8019	551.049	1048	2031
JT-6°-200-I	59.439487	hrot	835912.4210	1033521.1820	551.043	172	
	59.431625	BO	835905.0815	1033524.0002	551.031	1047	
	59.413783	KV	835888.4252	1033530.3959	551.003	174	
	59.413002	KVo	835888.4722	1033532.4652	551.002	1046	

# Směrové poměry

kolej 1

č.o.	Poloměr [m]	V [km/h]	D [mm]	l [mm]	Alfas [g]	Li [m]	n1 [V]	m1 [m]	T1 [m]	Lk1 [m]	Typ1	n2 [V]	m2 [m]	T2 [m]	Lk2 [m]	Typ2	ZP [km]	ZO [km]	KO [km]	KP [km]
1	50000	50	0	1	0.042466	33.353	0	0	16.676	0		0	0	16.676	0			58.736469	58.769822	
2	1550	50	0	20	0.635257	15.467	0	0	7.733	0		0	0	7.733	0			58.809709	58.825176	
3	190	50	60	96	20.673389	48.200	9	0.1598	44.147	27	klotoida	0	0	31.625	0		58.840782	58.867782	58.915982	
4	225	50	33	99	9.285646	16.000	12	0	16.932	0		12	0.0741	19.130	20	klotoida		58.915982	58.931982	58.951982
5	330	50	0	90	7.073558	12.000	0	0.0505	14.828	20	klotoida	0	0	17.205	0		58.931982	58.951982	58.963982	
6	300	50	0	99	2.122066	10.000	0	0	5.000	0		0	0	5.000	0			58.997213	59.007213	
7	1000	50	0	30	0.679844	10.679	0	0	5.340	0		0	0	5.340	0			59.066891	59.07757	
8	20000	50	0	2	0.096694	30.377	0	0	15.189	0		0	0	15.189	0			59.180418	59.210795	
9	1550	40	0	13	0.338004	8.230	0	0	4.115	0		0	0	4.115	0			59.353508	59.361738	
10	1350	40	0	14	0.292838	6.210	0	0	3.105	0		0	0	3.105	0			59.361738	59.367948	
11	600	40	0	32	0.779859	7.350	0	0	3.675	0		0	0	3.675	0			59.398302	59.405652	
12	600	40	0	32	0.779859	7.350	0	0	3.675	0		0	0	3.675	0			59.405652	59.413002	
13	5000	50	0	6	0.140857	11.063	0	0	5.531	0		0	0	5.531	0			59.443356	59.454418	
14	10000	50	0	3	0.066478	10.442	0	0	5.221	0		0	0	5.221	0			59.454418	59.464861	

kolej 2

č.o.	Poloměr [m]	V [km/h]	D [mm]	l [mm]	Alfas [g]	Li [m]	n1 [V]	m1 [m]	T1 [m]	Lk1 [m]	Typ1	n2 [V]	m2 [m]	T2 [m]	Lk2 [m]	Typ2	ZP [km]	ZO [km]	KO [km]	KP [km]
1	300	40	0	63	7.044622	33.197	0	0	16.615	0		0	0	16.615	0			58.963982	58.997179	
2	300	40	0	63	7.044644	33.197	0	0	16.616	0		0	0	16.616	0			58.997179	59.030376	
3	300	40	0	63	3.410651	16.072	0	0	8.038	0		0	0	8.038	0			59.030376	59.046448	
4	600	40	0	32	1.971180	18.578	0	0	9.29	0		0	0	9.29	0			59.046448	59.065026	
5	5000	40	0	4	0.160625	12.615	0	0	6.308	0		0	0	6.308	0			59.203484	59.216099	
6	3000	40	0	7	0.190376	8.971	0	0	4.486	0		0	0	4.486	0			59.264163	59.273134	
7	5000	40	0	4	0.103888	8.159	0	0	4.08	0		0	0	4.08	0			59.273134	59.281293	
8	6000	40	0	4	0.070461	6.641	0	0	3.32	0		0	0	3.32	0			59.397263	59.403904	

kolej 3

č.o.	Poloměr [m]	V [km/h]	D [mm]	l [mm]	Alfas [g]	Li [m]	n1 [V]	m1 [m]	T1 [m]	Lk1 [m]	Typ1	n2 [V]	m2 [m]	T2 [m]	Lk2 [m]	Typ2	ZP [km]	ZO [km]	KO [km]	KP [km]
1	300	50	0	99	7.044615	33.197	0	0	16.615	0		0	0	16.615	0			59.007213	59.04041	
2	300	50	0	99	7.747507	36.509	0	0	18.277	0		0	0	18.277	0			59.049791	59.0863	
3	10000	50	0	3	0.209752	32.948	0	0	16.474	0		0	0	16.474	0			59.163775	59.196723	
4	350	50	0	85	6.711545	36.899	0	0	18.466	0		0	0	18.466	0			59.320501	59.3574	

kolej 4

č.o.	Poloměr [m]	V [km/h]	D [mm]	l [mm]	Alfas [g]	Li [m]	n1 [V]	m1 [m]	T1 [m]	Lk1 [m]	Typ1	n2 [V]	m2 [m]	T2 [m]	Lk2 [m]	Typ2	ZP [km]	ZO [km]	KO [km]	KP [km]
1	250	40	0	76	1.782535	7	0	0	3.500	0		0	0	3.500	0			59.030343	59.037343	
2	1200	40	0	16	0.477465	9	0	0	4.500	0		0	0	4.500	0			59.064697	59.073697	
3	700	40	0	27	0.602383	6.624	0	0	3.312	0		0	0	3.312	0			59.113025	59.119649	
4	6000	40	0	4	0.608104	57.312	0	0	28.656	0		0	0	28.656	0			59.139345	59.196657	
5	200	40	0	95	6.757006	21.228	0	0	10.624	0		0	0	10.624	0			59.196657	59.217885	
6	300	40	0	63	7.044640	33.197	0	0	16.615	0		0	0	16.615	0			59.231432	59.264629	

kolej 4a

č.o.	Poloměr [m]	V [km/h]	D [mm]	l [mm]	Alfas [g]	Li [m]	n1 [V]	m1 [m]	T1 [m]	Lk1 [m]	Typ1	n2 [V]	m2 [m]	T2 [m]	Lk2 [m]	Typ2	ZP [km]	ZO [km]	KO [km]	KP [km]
1	6683.2	40	0	3	0.099178	10.412	0	0	5.206	0		0	0	5.206	0			59.026954	59.037366	

Sklonové poměry

Číslo bodu	Staničení [m]	Z [m]	Zv [m]	Rv [m]	s1	s2	tz [m]	y_v [m]
					[‰]	[‰]		
1001	58736.469	551.188	-	-	-	-0.462	-	-
1008	58907.221	551.109	551.112	3000	-0.462	-3.155	4.04	0.003
1013	58951.982	550.967	550.963	3000	-3.155	0.011	4.749	0.004
1019	59044.944	550.969	550.966	2500	0.011	2.854	3.554	0.003
1024	59091.007	551.100	551.106	3500	2.854	-0.936	6.633	0.006
1027	59172.235	551.024	551.023	3500	-0.936	0.399	2.337	0.001
1032	59277.418	551.066	551.066	5000	0.399	-0.365	1.911	0
1036	59355.089	551.038	551.038	5000	-0.365	-0.939	1.435	0
1043	59405.370	550.990	550.988	2000	-0.939	1.54	2.479	0.002
1050	59447.731	551.056	551.059	2500	1.54	-1.357	9.555	0.003
1055	59481.417	551.010	551.001	5000	-1.357	2.465	3.622	0.009
1057	59507.377	551.074	-	-	2.465	-	-	-
2001	58963.982	550.968	-	-	-	0.011	-	-
2005	59036.899	550.968	550.967	5000	0.011	0.996	2.462	0.001
2009	59062.353	550.994	550.994	2000	0.996	-0.268	1.264	0
2015	59226.951	550.950	550.95	5000	-0.268	0.534	2.007	0
2021	59316.971	550.998	551	3500	0.534	-1.493	3.547	0.002
2024	59369.057	550.920	550.915	3500	-1.493	1.904	5.943	0.005
2029	59409.066	550.996	550.996	5000	1.904	1.54	0.908	0
2031	59443.337	551.049	-	-	1.54	-	-	-
3001	59007.213	550.968	-	-	-	0.011	-	-
3004	59045.100	550.969	550.968	5000	0.011	1.299	3.219	0.001
3008	59065.502	550.995	550.996	2500	1.299	-0.62	2.398	0.001
3014	59200.373	550.911	550.91	3500	-0.62	0.455	1.881	0.001
3018	59339.225	550.975	550.974	3500	0.455	2.096	2.872	0.001
3022	59365.056	551.029	551.032	2500	2.096	-0.939	3.794	0.003
3024	59398.764	550.997	-	-	-0.939	-	-	-
4001	58997.112	550.968	-	-	-	0.011	-	-
4004	59033.751	550.968	550.968	1000	0.011	-1.957	0.984	0
4009	59071.315	550.895	550.885	2000	-1.957	4.5	6.457	0.01
4013	59091.759	550.987	550.994	2000	4.5	-0.964	5.464	0.007
4018	59136.168	550.944	550.946	3000	-0.964	-3.277	3.47	0.002
4022	59159.313	550.868	550.86	3000	-3.277	1.205	6.723	0.008
4027	59226.416	550.949	550.949	3500	1.205	0.535	1.173	0
4030	59264.629	550.970	-	-	0.535	-	-	-
4801	58971.597	550.953	-	-	-	0.266	-	-
4804	59033.062	550.969	550.97	2000	0.266	-1.957	2.223	0.001
4807	59064.420	550.908	-	-	-1.957	-	-	-