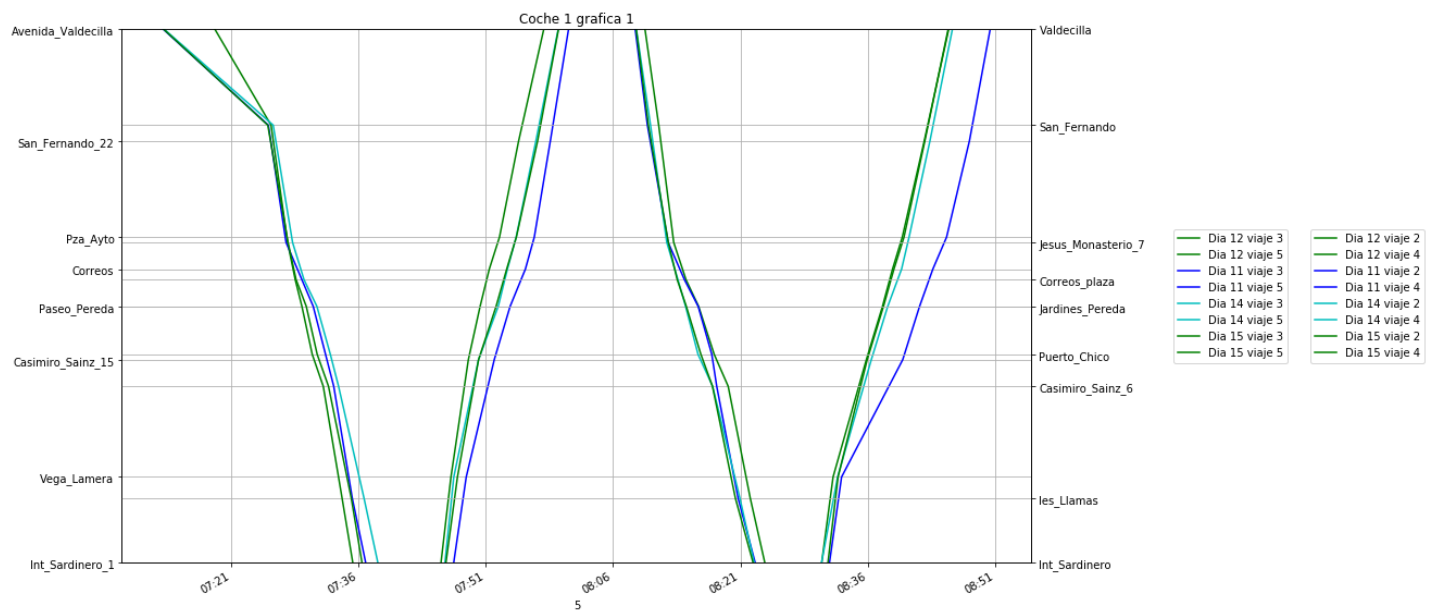


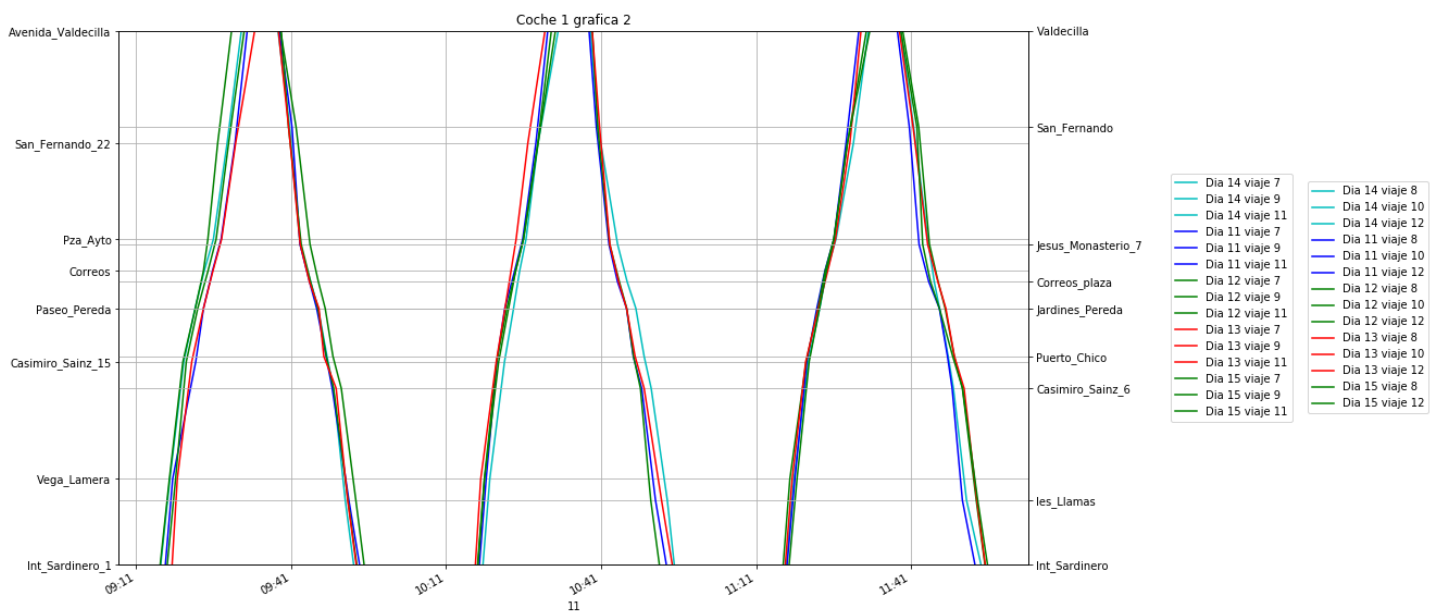
Coche 1 grafica 1

Gráfico evolución:



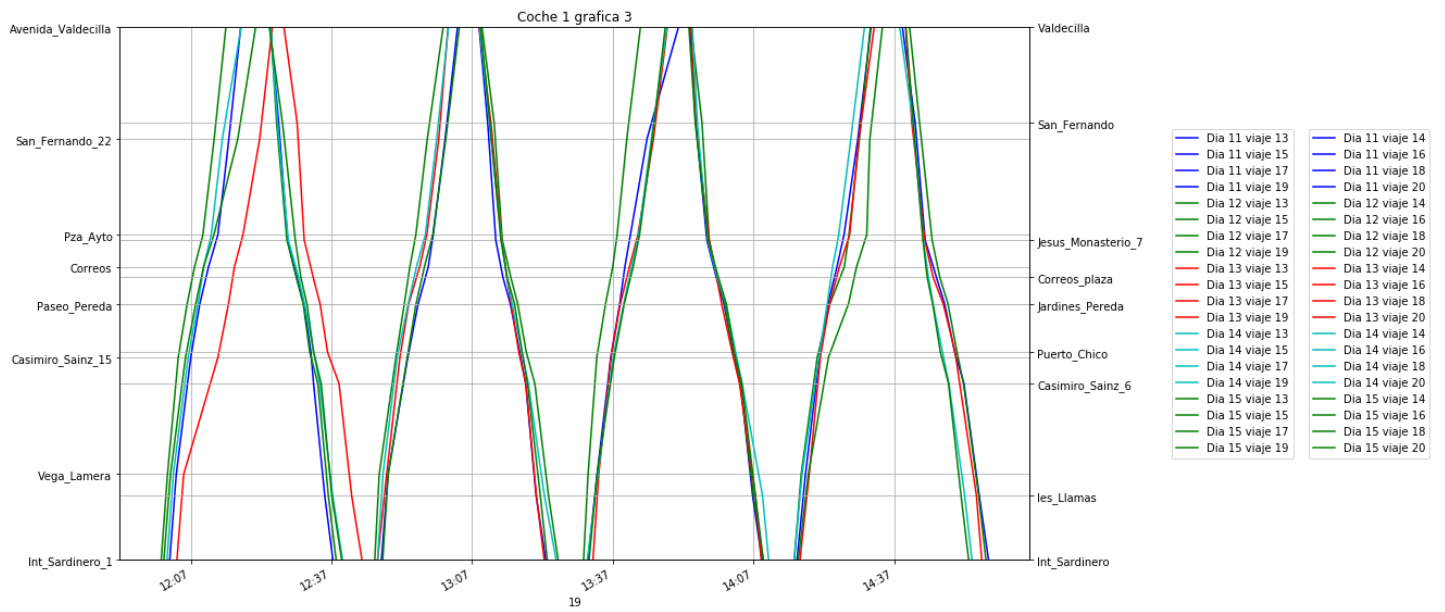
Coche 1 grafica 2

Gráfico evolución:



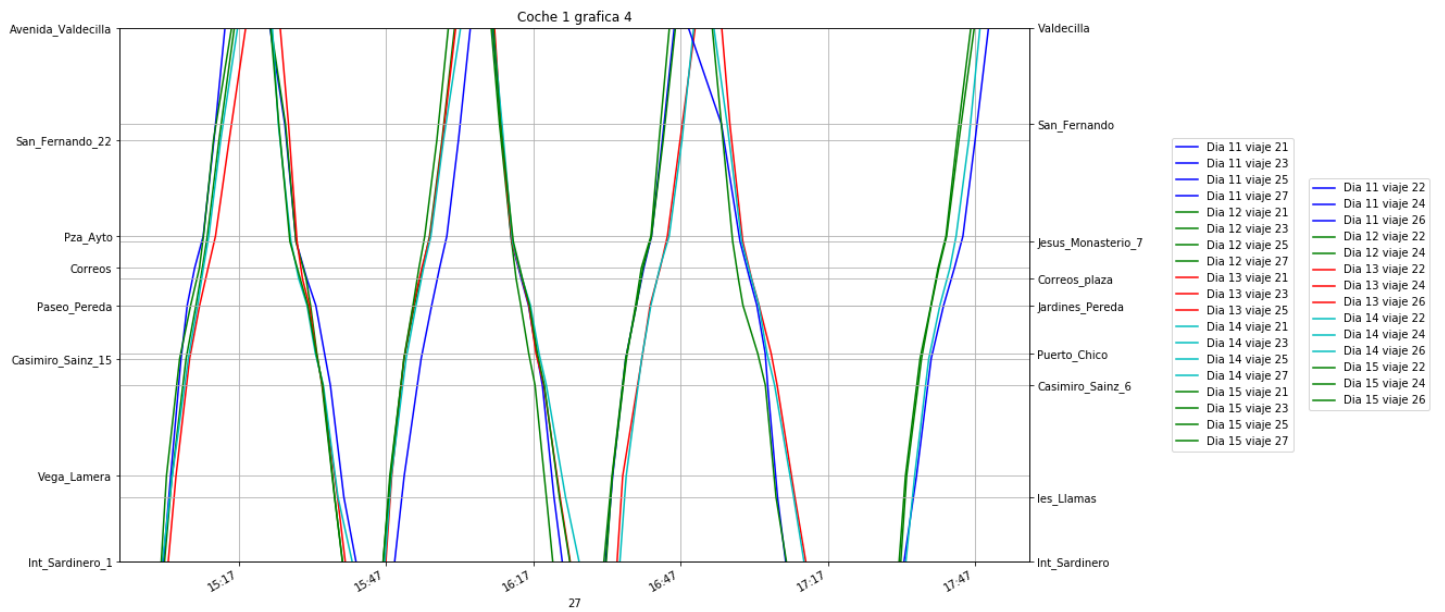
Coche 1 grafica 3

Gráfico evolución:



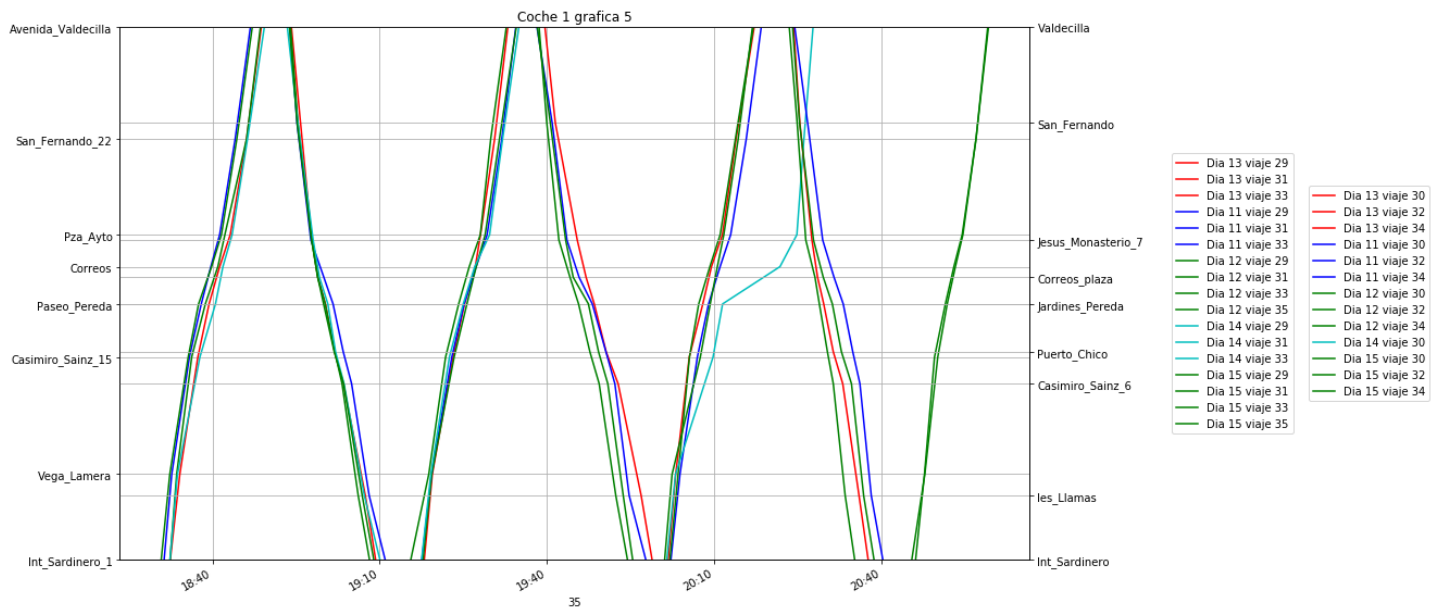
Coche 1 grafica 4

Gráfico evolución:



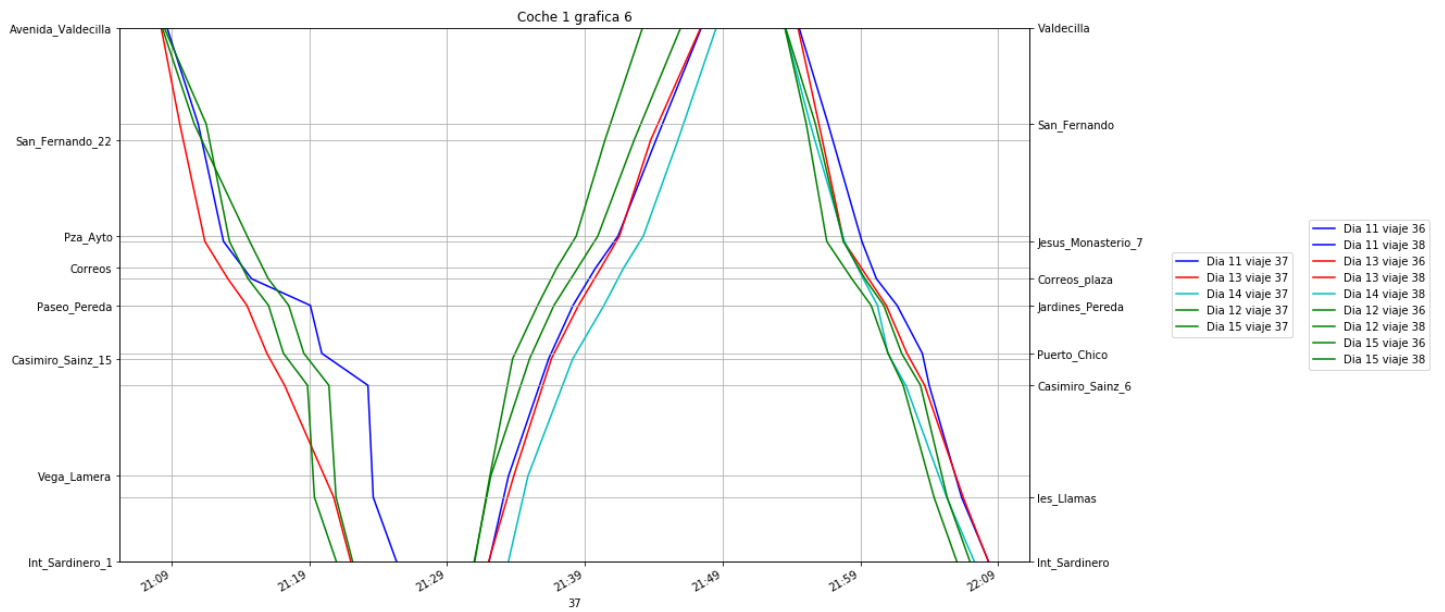
Coche 1 grafica 5

Gráfico evolución:



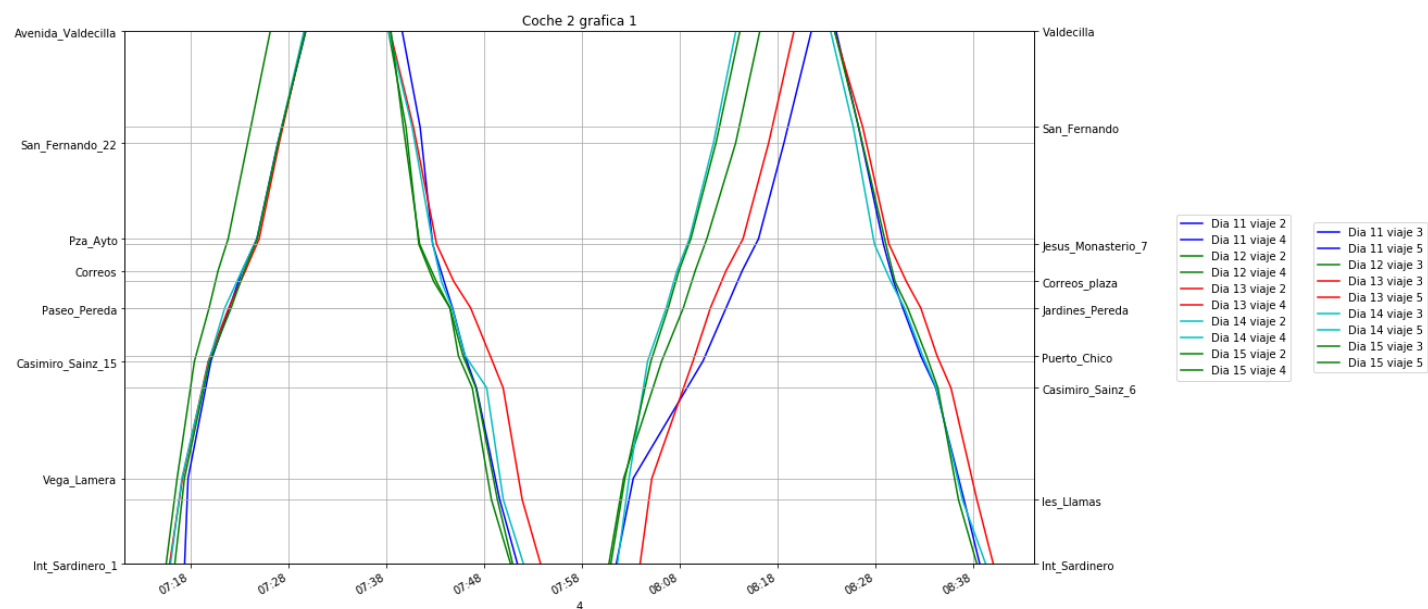
Coche 1 grafica 6

Gráfico evolución:



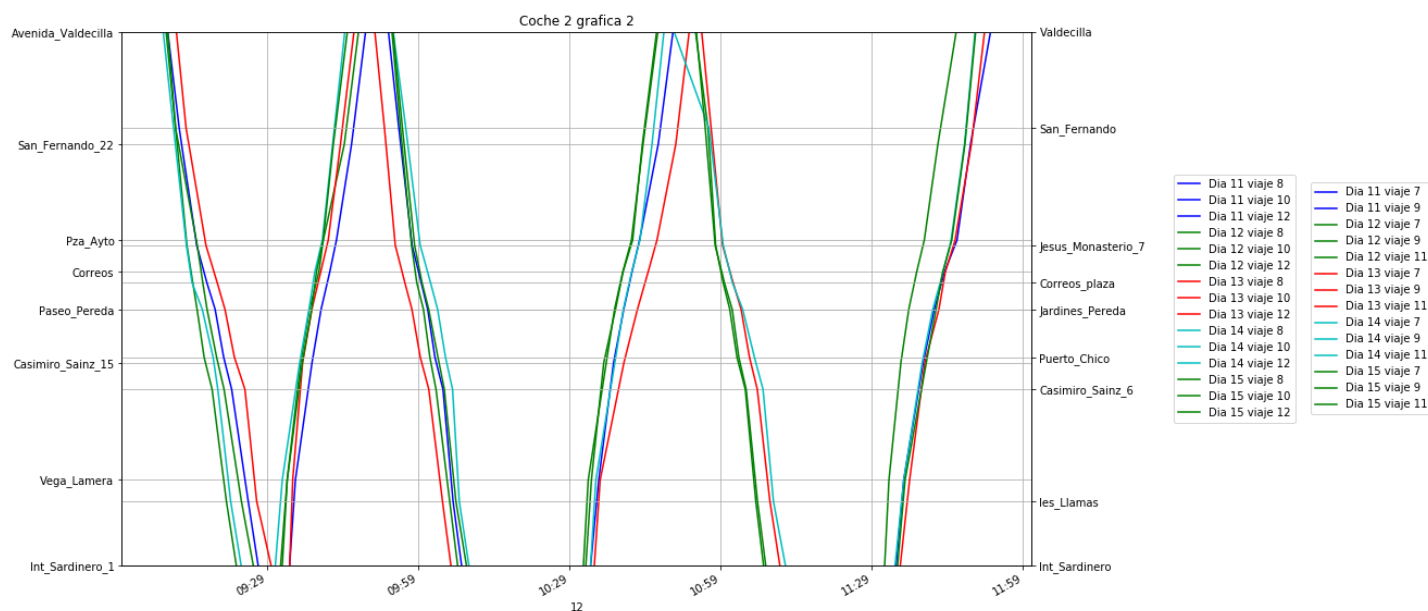
Coche 2 grafica 1

Gráfico evolución:



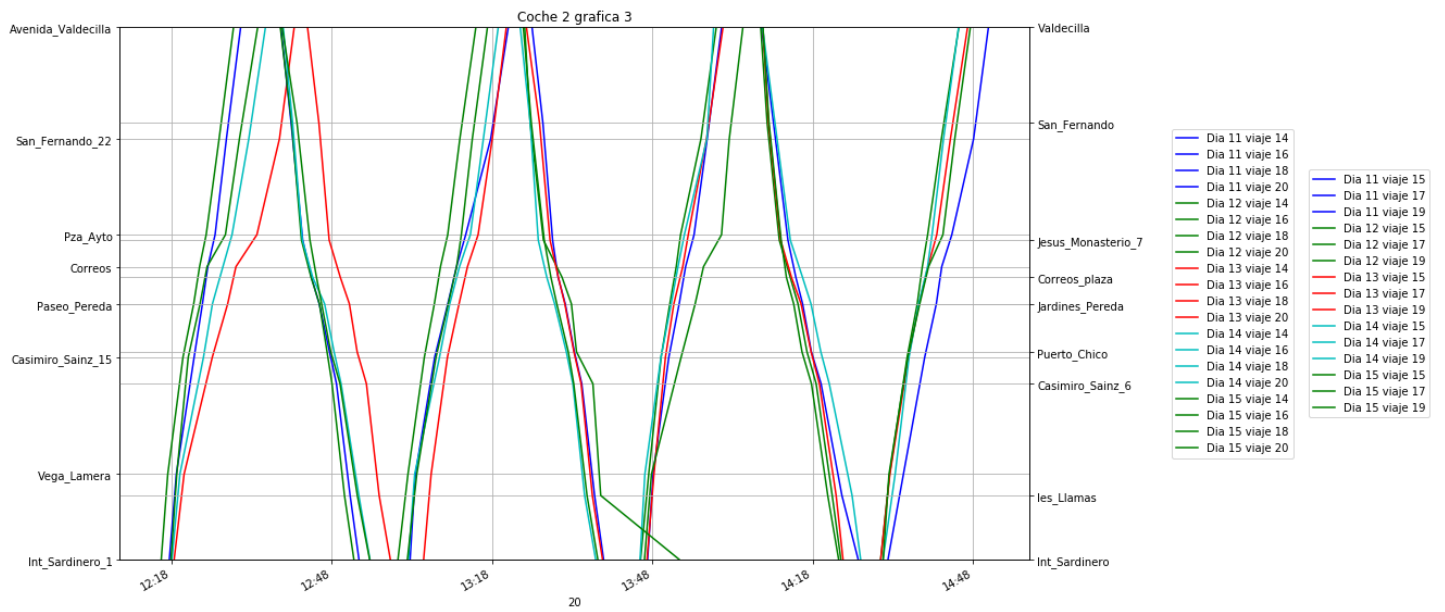
Coche 2 grafica 2

Gráfico evolución:



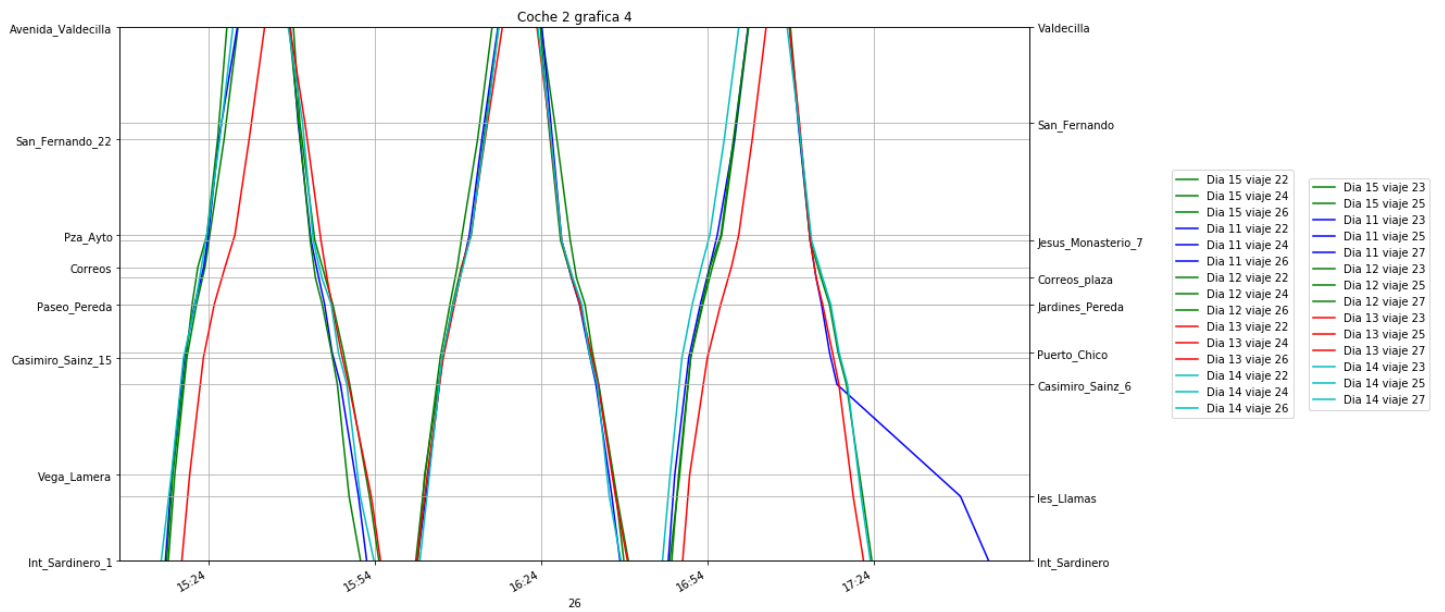
Coche 2 grafica 3

Gráfico evolución:



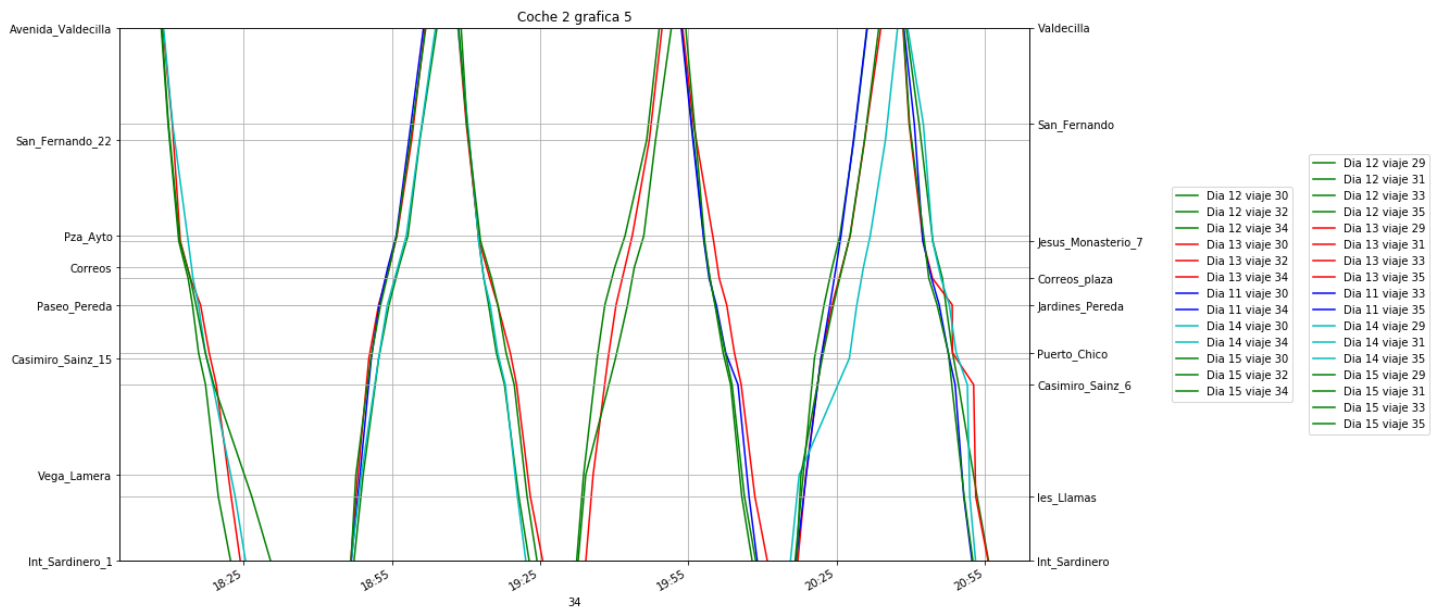
Coche 2 grafica 4

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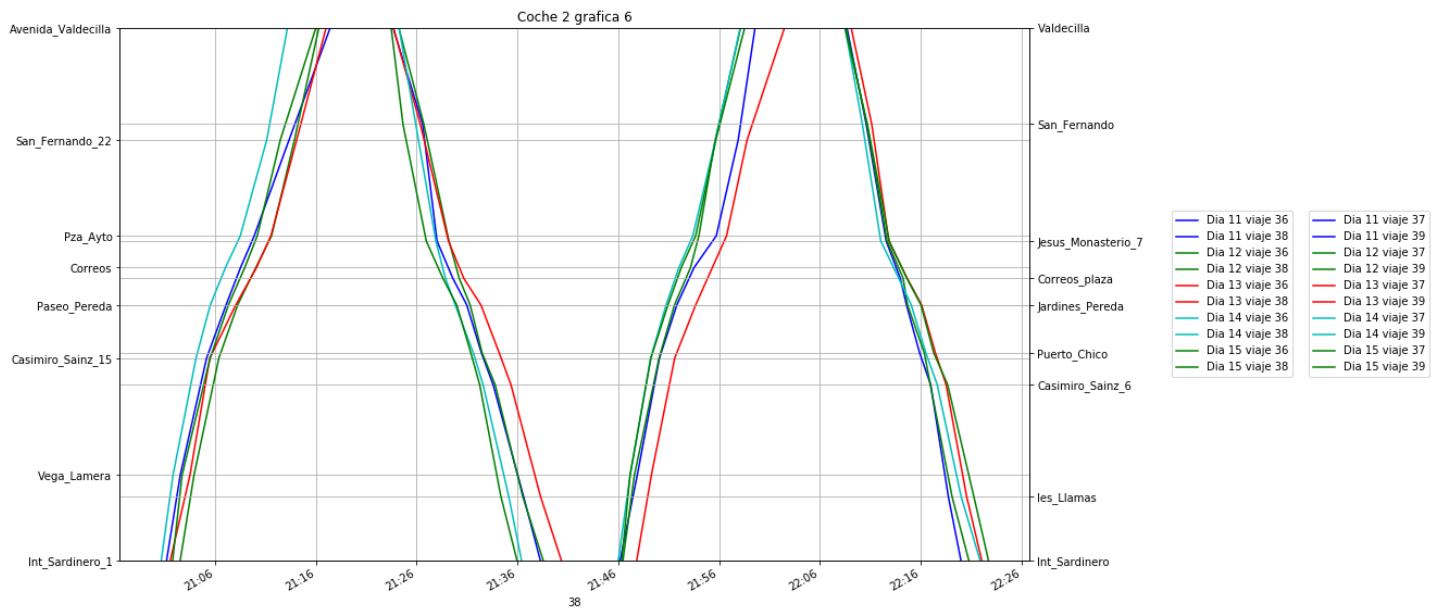
Coche 2 grafica 5

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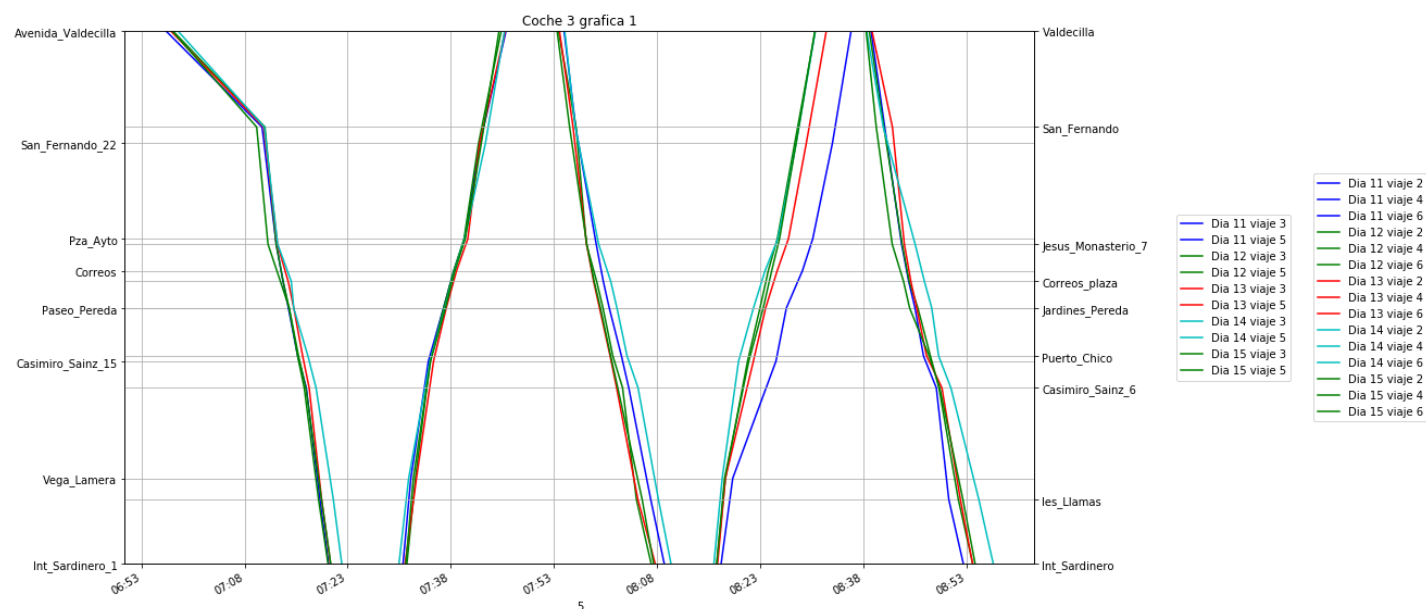
Coche 2 grafica 6

Gráfico evolución:



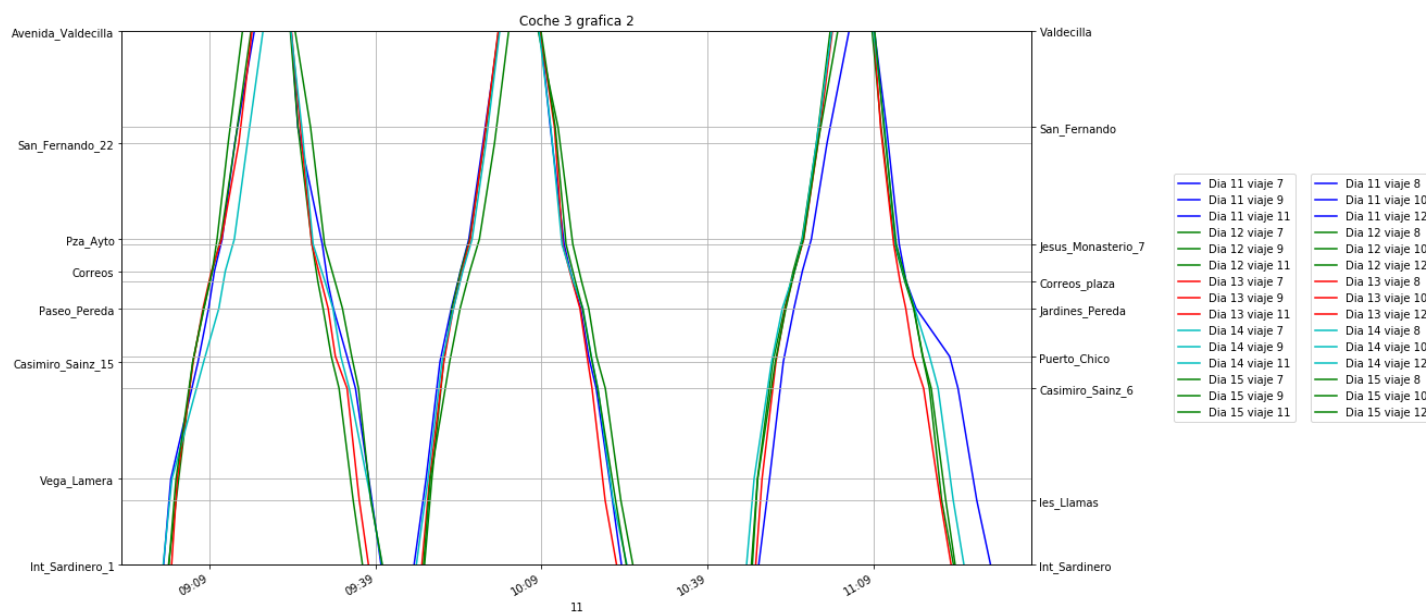
Coche 3 grafica 1

Gráfico evolución:



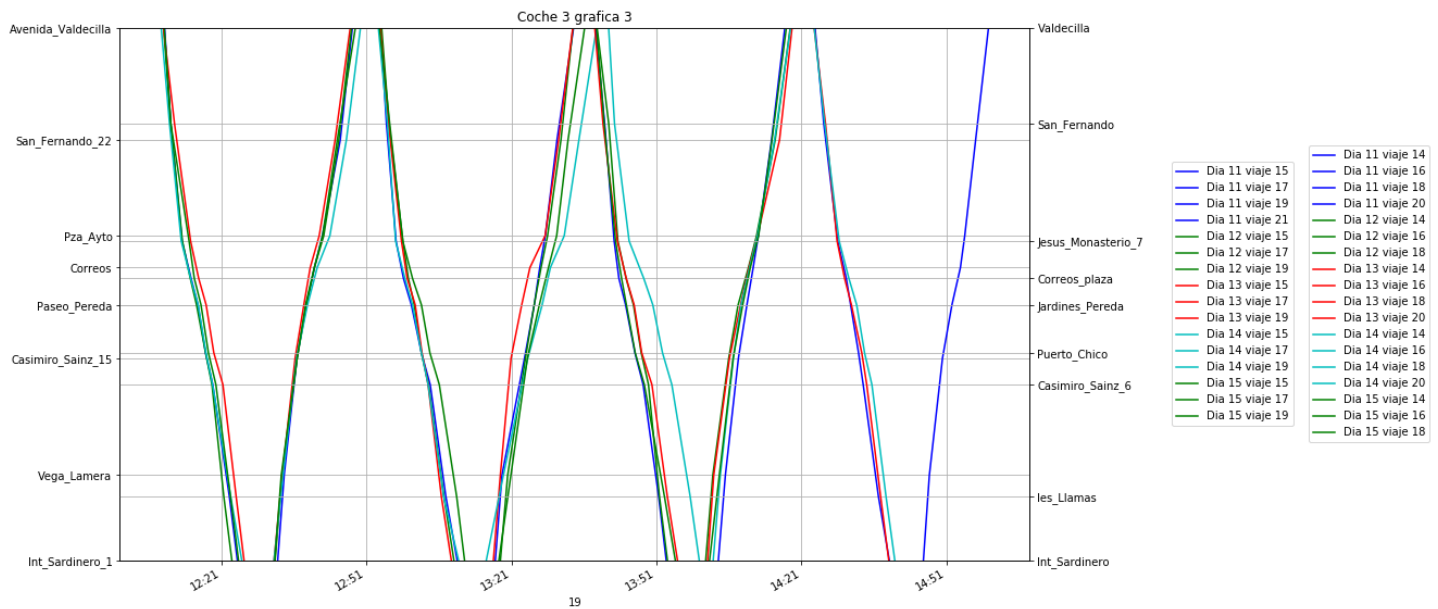
Coche 3 grafica 2

Gráfico evolución:



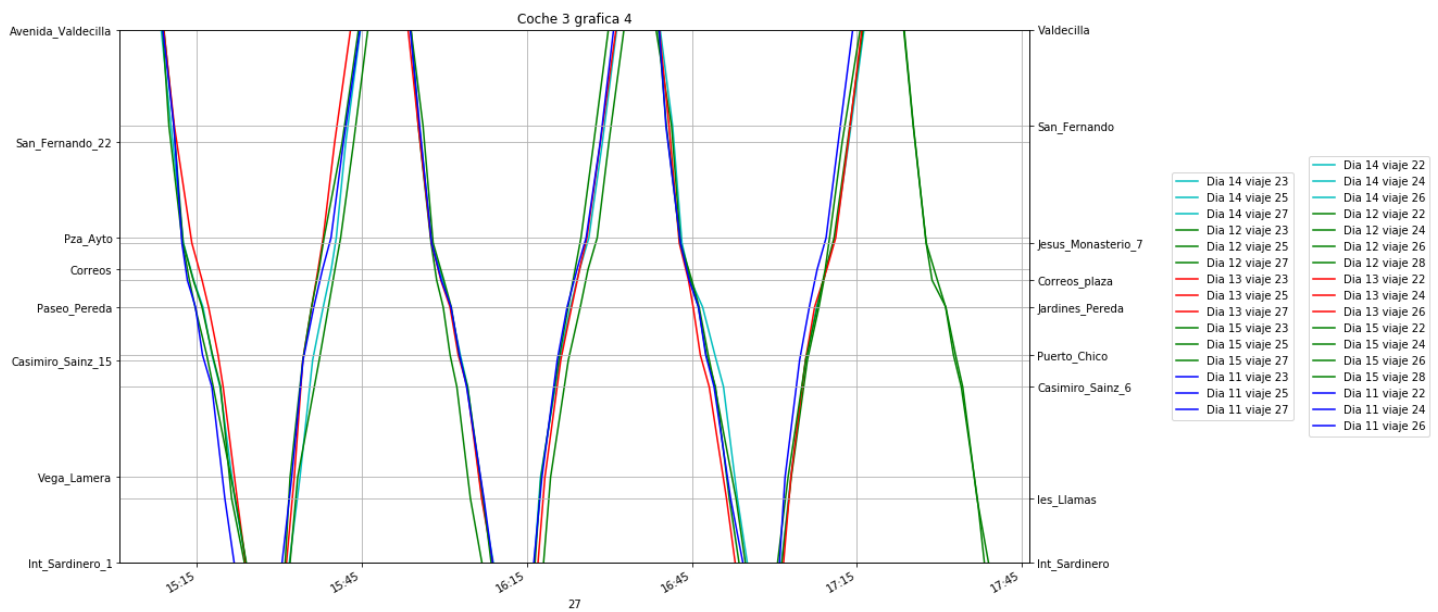
Coche 3 grafica 3

Gráfico evolución:



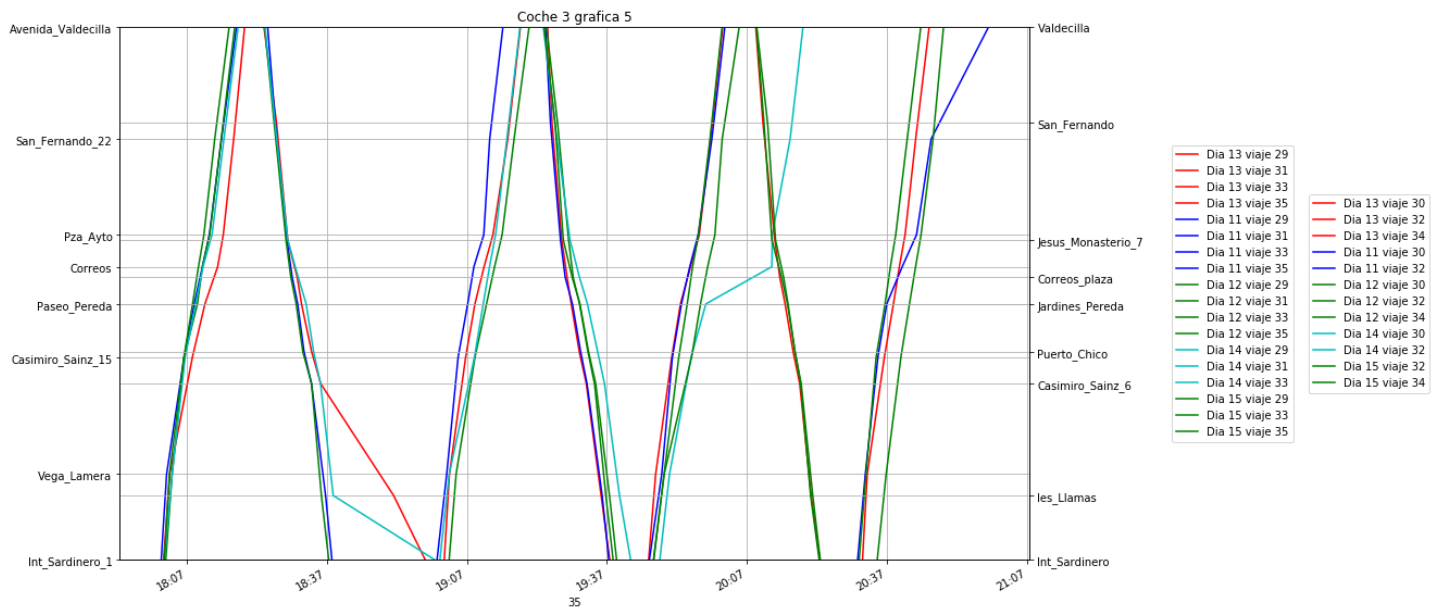
Coche 3 grafica 4

Gráfico evolución:



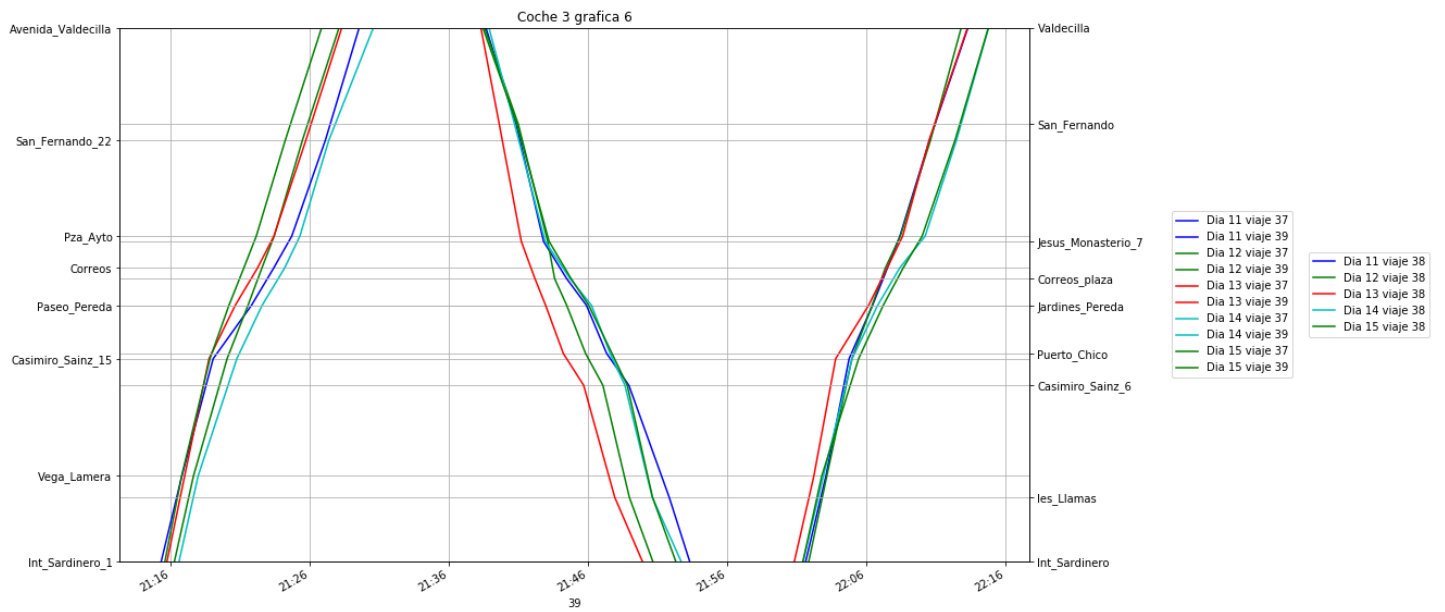
Coche 3 grafica 5

Gráfico evolución:



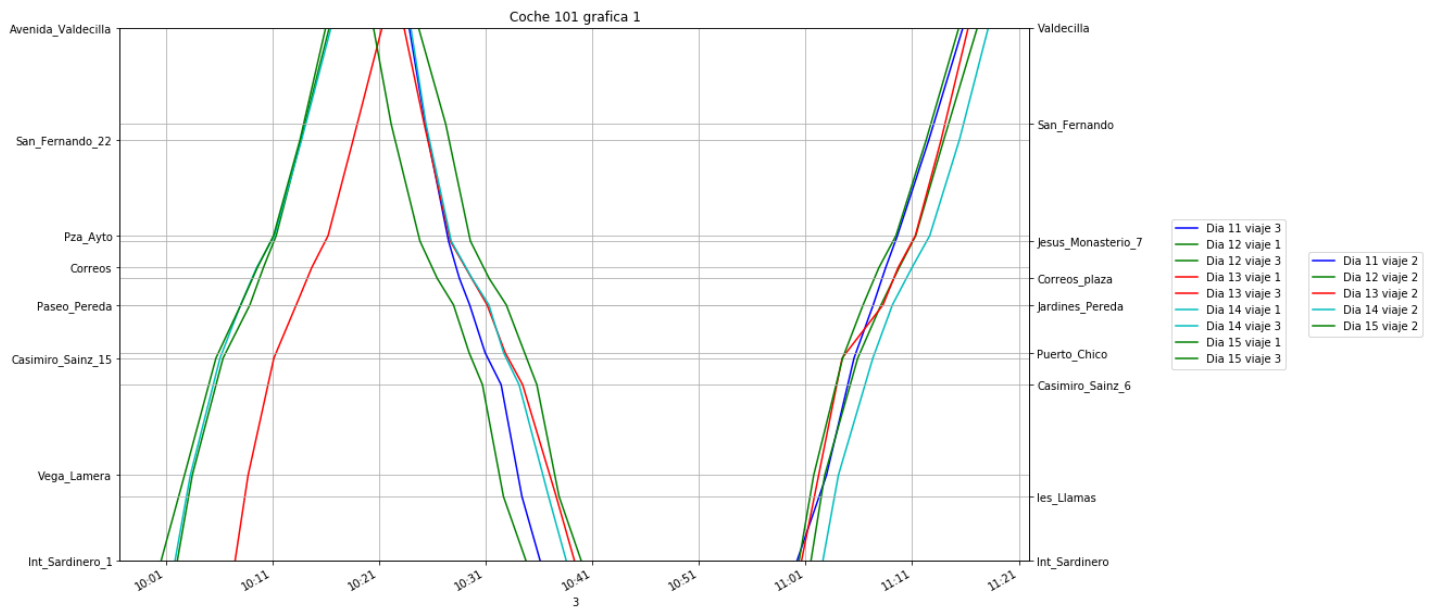
Coche 3 grafica 6

Gráfico evolución:



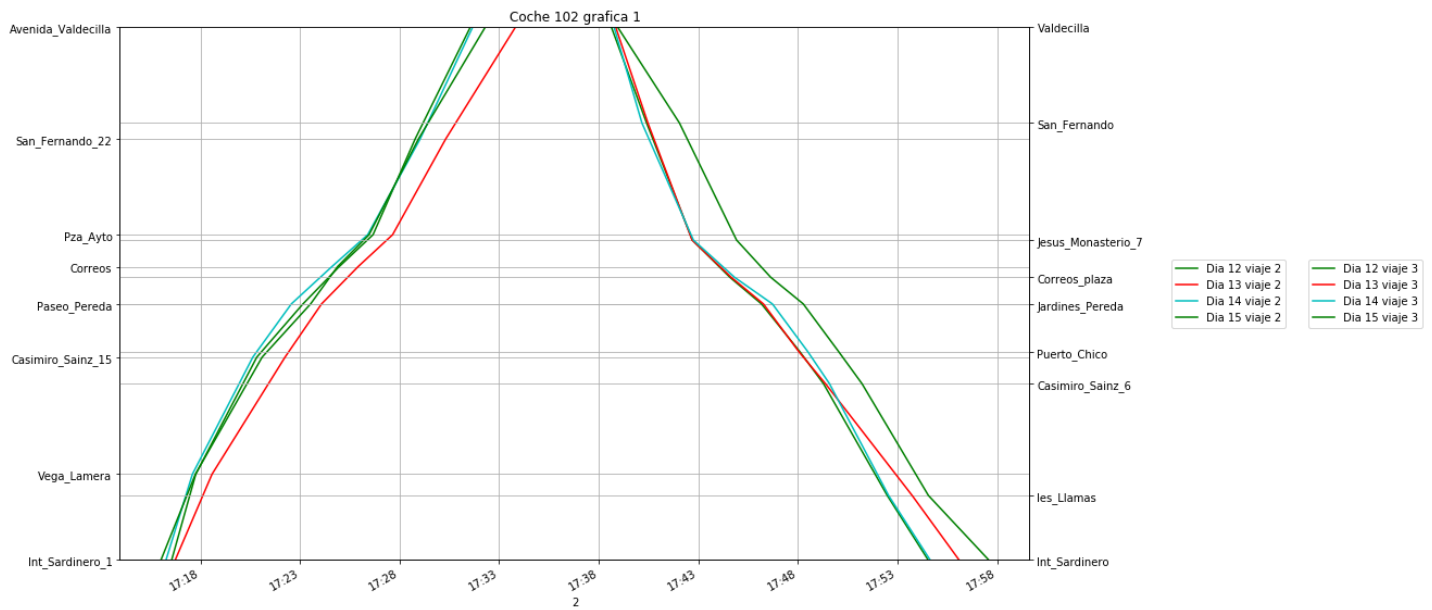
Coche 101 grafica 1

Gráfico evolución:



Coche 102 grafica 1

Gráfico evolución:



Coche 102 grafica 1

Gráfico evolución:

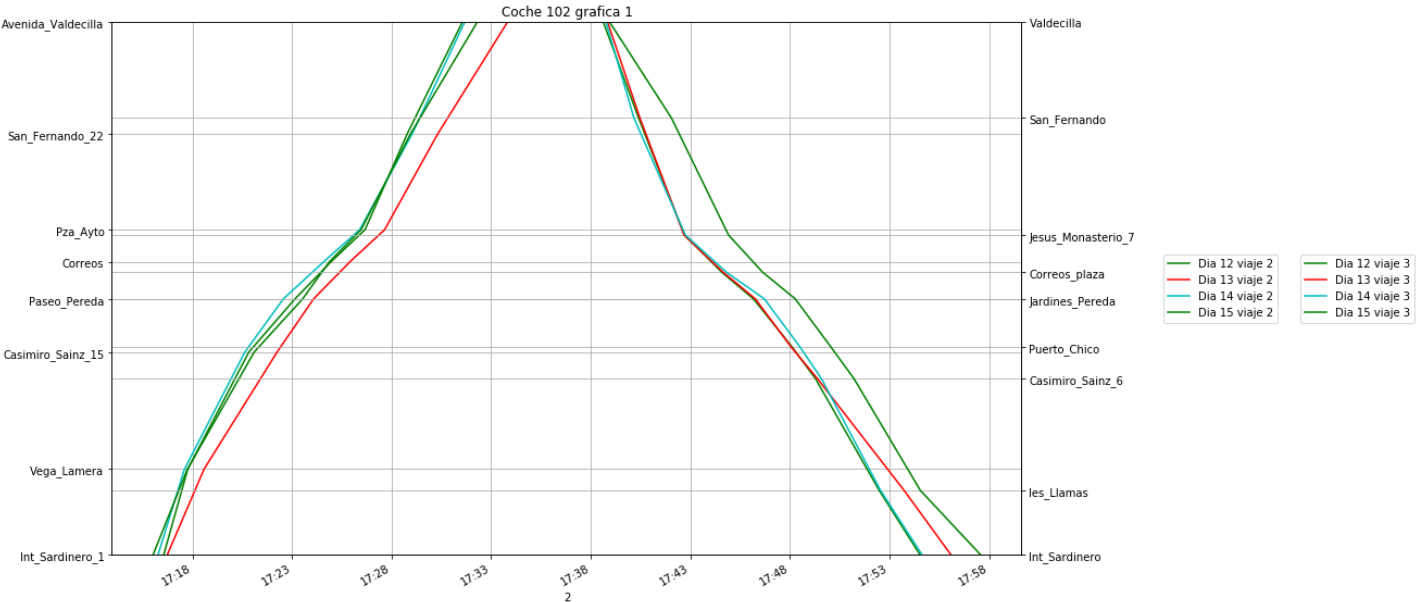


Tabla resumen velocidades y tiempos

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
1	Valdecilla_Sardiner	2	22.141667	13.681854	4.011661	2.976940
1	Sardiner_Valdecilla	3	12.940000	22.761425	0.608801	1.094338
1	Valdecilla_Sardiner	4	13.958333	21.065313	0.179763	0.271906
1	Sardiner_Valdecilla	5	15.583333	19.070312	1.921841	2.071969
1	Sardiner_Valdecilla	7	15.200000	19.398559	0.895514	1.198600
1	Valdecilla_Sardiner	8	15.183333	19.391594	0.654578	0.819647
1	Sardiner_Valdecilla	9	14.076667	20.934061	0.757151	1.126280
1	Valdecilla_Sardiner	10	14.887500	19.886300	1.389269	1.977781
1	Sardiner_Valdecilla	11	15.203333	19.397608	0.928514	1.223582
1	Valdecilla_Sardiner	12	15.943333	18.471941	0.735282	0.857748
1	Sardiner_Valdecilla	13	16.923333	17.769917	2.869708	2.941820
1	Valdecilla_Sardiner	14	14.933333	19.806551	1.292446	1.722840
1	Sardiner_Valdecilla	15	15.456667	19.058954	0.775188	0.948301
1	Valdecilla_Sardiner	16	14.933333	19.787816	1.203871	1.555782
1	Sardiner_Valdecilla	17	16.090000	18.697642	2.580768	3.354497
1	Valdecilla_Sardiner	18	15.556667	18.914072	0.498693	0.601554
1	Sardiner_Valdecilla	19	16.143333	18.274124	1.080033	1.165296
1	Valdecilla_Sardiner	20	15.920000	18.662611	1.797970	2.175518
1	Sardiner_Valdecilla	21	14.413333	20.527019	1.248243	1.870337
1	Valdecilla_Sardiner	22	15.223333	19.494136	1.658714	2.091888
1	Sardiner_Valdecilla	23	14.563333	20.249471	0.888929	1.266642
1	Valdecilla_Sardiner	24	15.023333	19.809392	1.828805	2.478785
1	Sardiner_Valdecilla	25	14.453333	20.444779	1.137883	1.646588
1	Valdecilla_Sardiner	26	17.570833	16.898646	1.984308	1.971064
1	Sardiner_Valdecilla	27	15.454167	19.100963	1.170658	1.355275
1	Sardiner_Valdecilla	29	16.256667	18.099649	0.516478	0.581098
1	Valdecilla_Sardiner	30	15.613333	18.920028	1.207810	1.455748
1	Sardiner_Valdecilla	31	16.626667	17.732956	0.960873	1.093372
1	Valdecilla_Sardiner	32	17.920833	16.526286	1.750046	1.651188
1	Sardiner_Valdecilla	33	17.713333	17.347171	4.784196	3.475838
1	Valdecilla_Sardiner	34	13.875000	21.449103	1.739386	2.775455
1	Sardiner_Valdecilla	35	13.341667	22.056888	0.577471	0.954694
1	Valdecilla_Sardiner	36	14.162500	20.986101	1.759018	2.446919
1	Sardiner_Valdecilla	37	14.590000	20.313045	1.366951	2.165533
1	Valdecilla_Sardiner	38	13.420000	21.939556	0.559563	0.958215
2	Sardiner_Valdecilla	2	12.760000	23.256421	1.309294	2.632685
2	Valdecilla_Sardiner	3	13.160000	22.541649	1.435396	2.312388
2	Sardiner_Valdecilla	4	15.270000	19.824819	3.015409	3.664654
2	Valdecilla_Sardiner	5	15.308333	19.248989	0.844426	1.057985
2	Valdecilla_Sardiner	7	16.616667	17.897384	1.944472	2.190055
2	Sardiner_Valdecilla	8	13.990000	21.144406	1.230774	1.840160
2	Valdecilla_Sardiner	9	14.433333	20.427414	0.832583	1.255405
2	Sardiner_Valdecilla	10	15.696667	18.942591	1.944058	2.150856
2	Valdecilla_Sardiner	11	16.200000	18.865426	4.000579	3.892576
2	Sardiner_Valdecilla	12	16.193333	18.308258	1.680179	1.847337
2	Sardiner_Valdecilla	14	16.600000	18.368441	3.719132	3.716963
2	Valdecilla_Sardiner	15	15.280000	19.323622	1.103051	1.435016
2	Sardiner_Valdecilla	16	16.030000	18.471995	1.550555	1.701083
2	Valdecilla_Sardiner	17	16.903333	18.951932	6.695525	4.926552
2	Sardiner_Valdecilla	18	14.870000	20.014086	1.983382	2.275935

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
2	Valdecilla_Sardiner	19	16.106667	18.463170	1.951054	2.167793
2	Sardiner_Valdecilla	20	16.016667	18.539441	1.823192	2.024034
2	Sardiner_Valdecilla	22	12.836667	23.141813	1.453033	2.655137
2	Valdecilla_Sardiner	23	14.760000	20.070759	1.413850	1.988008
2	Sardiner_Valdecilla	24	14.483333	20.327386	0.607477	0.840842
2	Valdecilla_Sardiner	25	15.223333	19.360452	0.844558	1.082661
2	Sardiner_Valdecilla	26	14.236667	20.673008	0.525912	0.748339
2	Valdecilla_Sardiner	27	19.725000	17.453478	10.772569	6.253393
2	Valdecilla_Sardiner	29	17.045833	17.727848	3.445539	3.192524
2	Sardiner_Valdecilla	30	15.713333	18.784148	1.113266	1.304724
2	Valdecilla_Sardiner	31	15.108333	19.633593	1.662912	2.111894
2	Sardiner_Valdecilla	32	16.994444	17.418109	1.733440	1.742892
2	Valdecilla_Sardiner	33	15.208333	19.448560	1.397915	1.699943
2	Sardiner_Valdecilla	34	16.806667	17.878576	2.942424	2.774126
2	Valdecilla_Sardiner	35	15.066667	19.703532	1.690332	2.120566
2	Sardiner_Valdecilla	36	14.426667	20.546670	1.449885	2.093048
2	Valdecilla_Sardiner	37	14.040000	21.215817	1.816422	2.675480
2	Sardiner_Valdecilla	38	12.793333	23.139648	1.218697	2.088956
2	Valdecilla_Sardiner	39	12.810000	23.095018	1.123276	2.061008
3	Valdecilla_Sardiner	2	23.213333	12.670005	0.507362	0.278555
3	Sardiner_Valdecilla	3	14.416667	20.441549	0.783333	1.115898
3	Valdecilla_Sardiner	4	14.273333	20.642731	0.754671	1.061937
3	Sardiner_Valdecilla	5	15.596667	19.059443	1.938119	2.109686
3	Valdecilla_Sardiner	6	15.456667	19.231509	1.865461	2.193475
3	Sardiner_Valdecilla	7	15.400000	19.301825	1.826198	2.233306
3	Valdecilla_Sardiner	8	15.053333	19.696145	1.509479	2.066493
3	Sardiner_Valdecilla	9	14.566667	20.251426	0.934003	1.333058
3	Valdecilla_Sardiner	10	15.350000	19.252523	1.236876	1.546332
3	Sardiner_Valdecilla	11	15.020000	19.642293	0.989206	1.299412
3	Valdecilla_Sardiner	12	16.080000	18.685512	2.862507	2.835619
3	Valdecilla_Sardiner	14	15.563333	18.966748	1.097434	1.352316
3	Sardiner_Valdecilla	15	16.300000	18.085924	0.971611	1.030727
3	Valdecilla_Sardiner	16	15.913333	18.557813	1.198460	1.375081
3	Sardiner_Valdecilla	17	17.610000	17.046582	3.050469	2.552832
3	Valdecilla_Sardiner	18	16.246667	18.265409	1.771942	1.946736
3	Sardiner_Valdecilla	19	16.103333	18.398475	1.529361	1.866195
3	Valdecilla_Sardiner	20	15.811111	18.621122	0.741682	0.850685
3	Sardiner_Valdecilla	21	13.450000	21.858736	NaN	NaN
3	Valdecilla_Sardiner	22	14.610000	20.200676	0.975007	1.452258
3	Sardiner_Valdecilla	23	13.233333	22.332554	1.039297	1.848425
3	Valdecilla_Sardiner	24	14.560000	20.271699	0.980830	1.474287
3	Sardiner_Valdecilla	25	14.313333	20.571888	0.617612	0.915968
3	Valdecilla_Sardiner	26	15.130000	19.496756	0.967772	1.274983
3	Sardiner_Valdecilla	27	14.446667	20.392354	0.714862	1.052360
3	Valdecilla_Sardiner	28	14.983333	19.636988	0.589256	0.772272
3	Sardiner_Valdecilla	29	15.583333	18.976878	1.328690	1.625159
3	Valdecilla_Sardiner	30	24.570833	14.846889	12.514468	7.547747
3	Sardiner_Valdecilla	31	16.179167	18.286822	1.429088	1.741852
3	Valdecilla_Sardiner	32	15.076667	19.800960	2.200619	2.585148
3	Sardiner_Valdecilla	33	19.143333	16.479714	6.590783	4.124476
3	Valdecilla_Sardiner	34	13.588889	21.638261	0.193170	0.310057
3	Sardiner_Valdecilla	35	17.429167	18.511975	7.086560	5.404693
3	Sardiner_Valdecilla	37	12.756667	23.238993	1.299231	2.363046
3	Valdecilla_Sardiner	38	13.193333	22.459753	1.288766	2.252185
3	Sardiner_Valdecilla	39	12.333333	23.977335	1.039765	2.071253
101	Sardiner_Valdecilla	1	14.508333	20.298991	0.698212	0.964082
101	Valdecilla_Sardiner	2	14.463333	20.489406	1.389364	2.116851
101	Sardiner_Valdecilla	3	15.440000	19.046157	0.268380	0.338428
102	Sardiner_Valdecilla	2	15.730000	18.739856	0.916621	1.061444
102	Valdecilla_Sardiner	3	16.887500	17.485448	1.307130	1.312358
102	Sardiner_Valdecilla	4	16.613333	17.840432	1.595976	1.875994