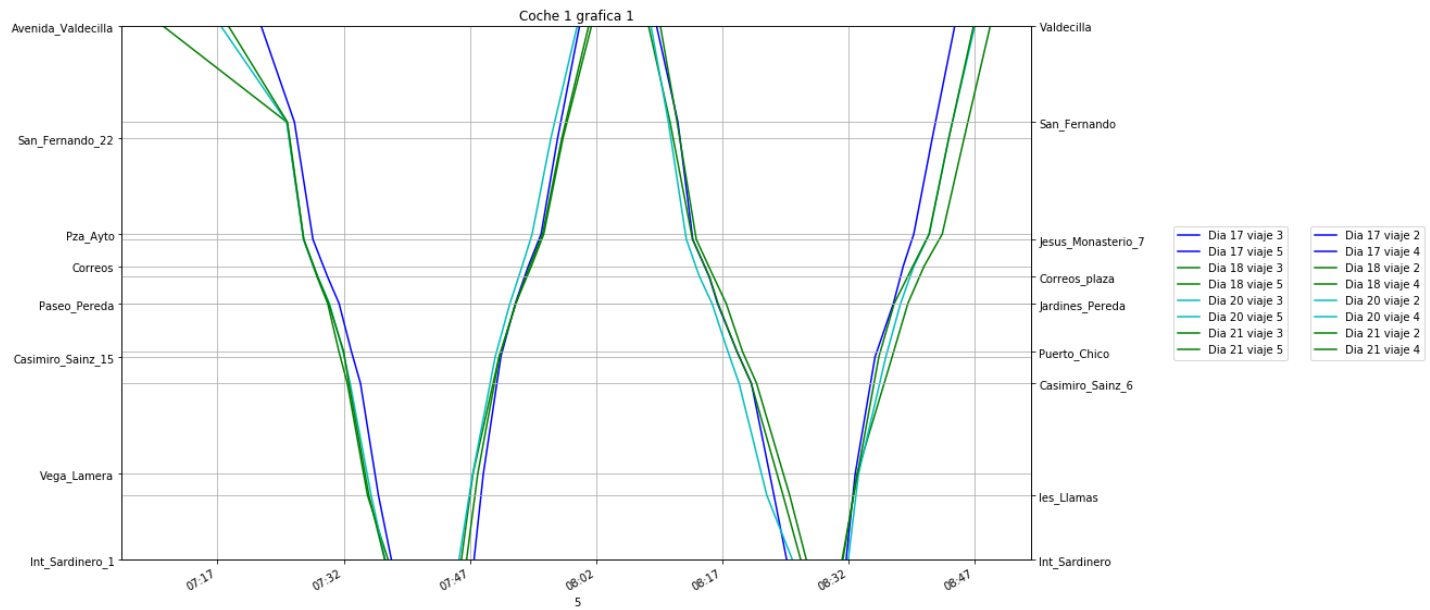


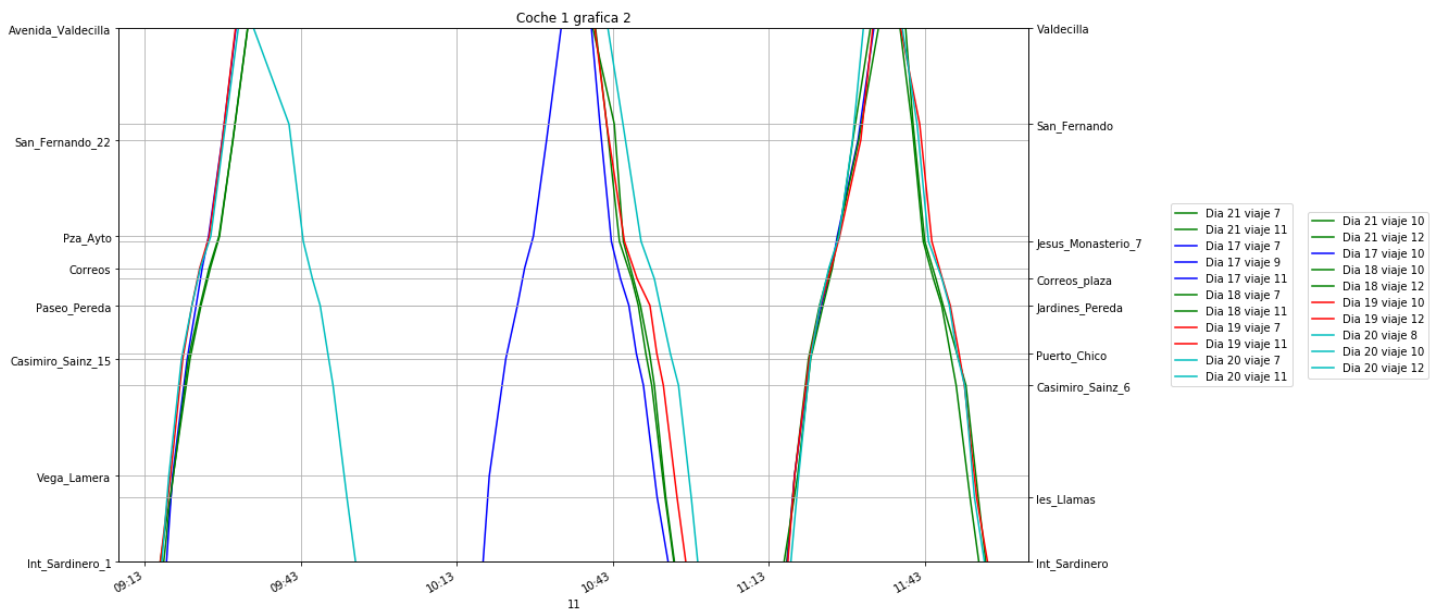
Coche 1 grafica 1

Gráfico evolución:



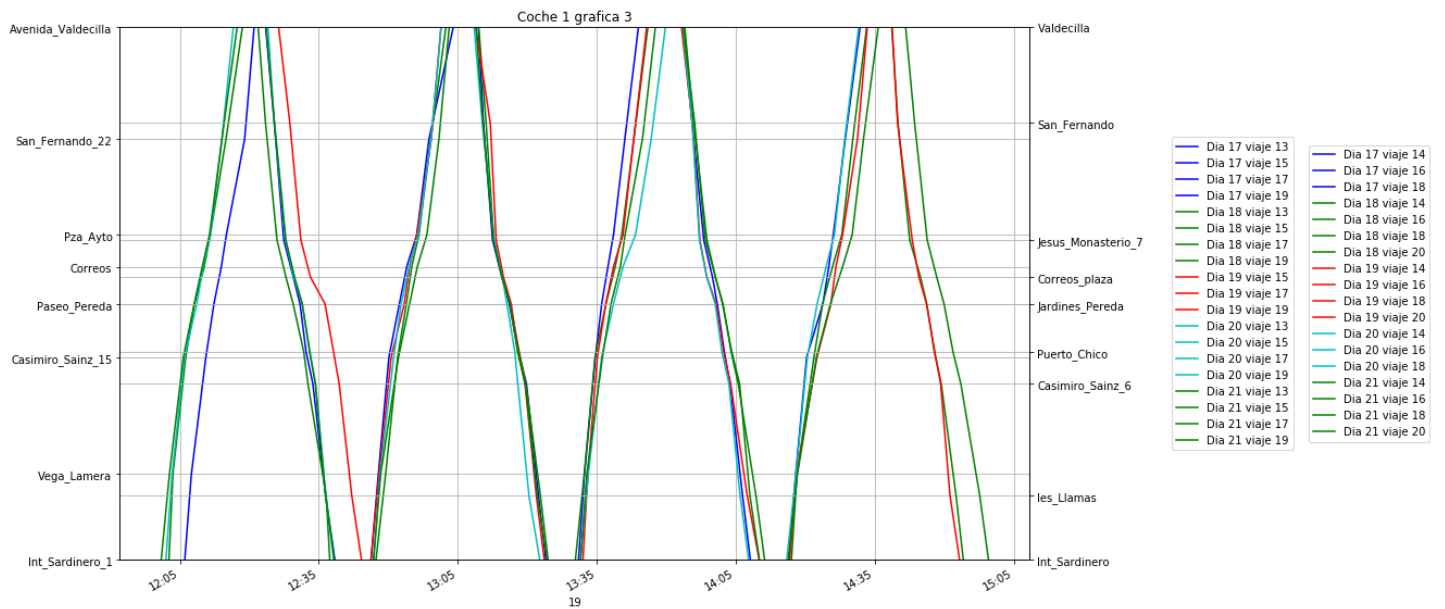
Coche 1 grafica 2

Gráfico evolución:



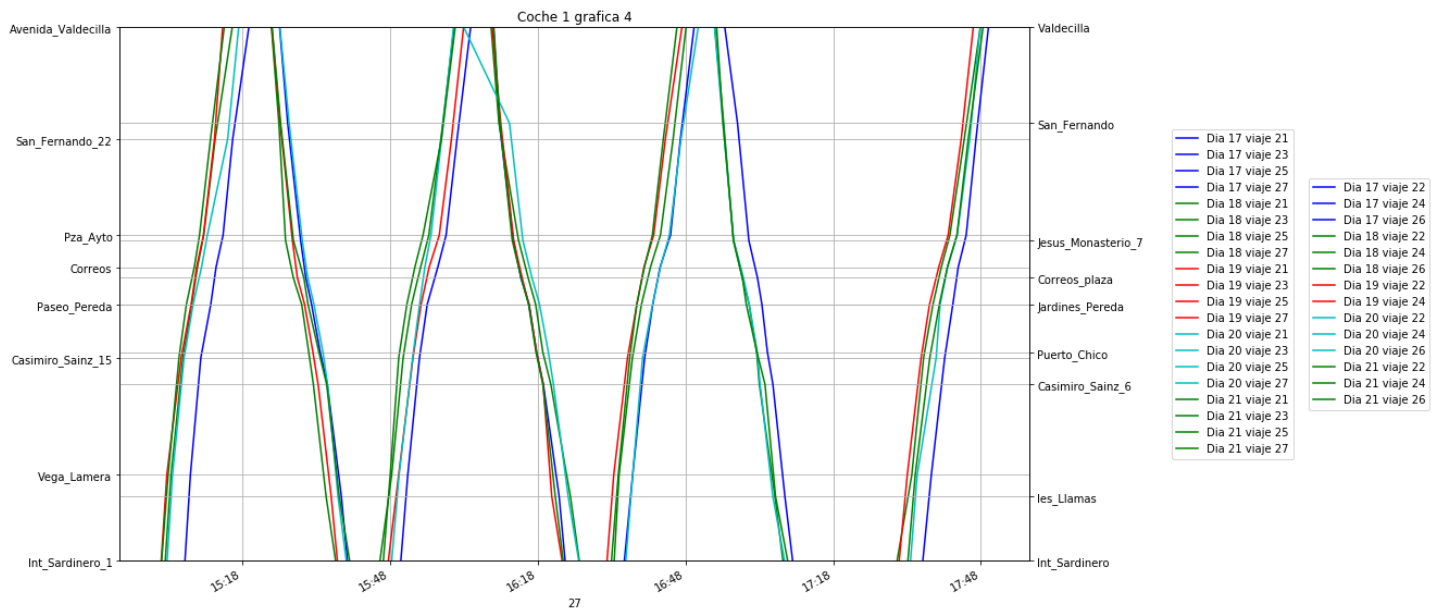
Coche 1 grafica 3

Gráfico evolución:



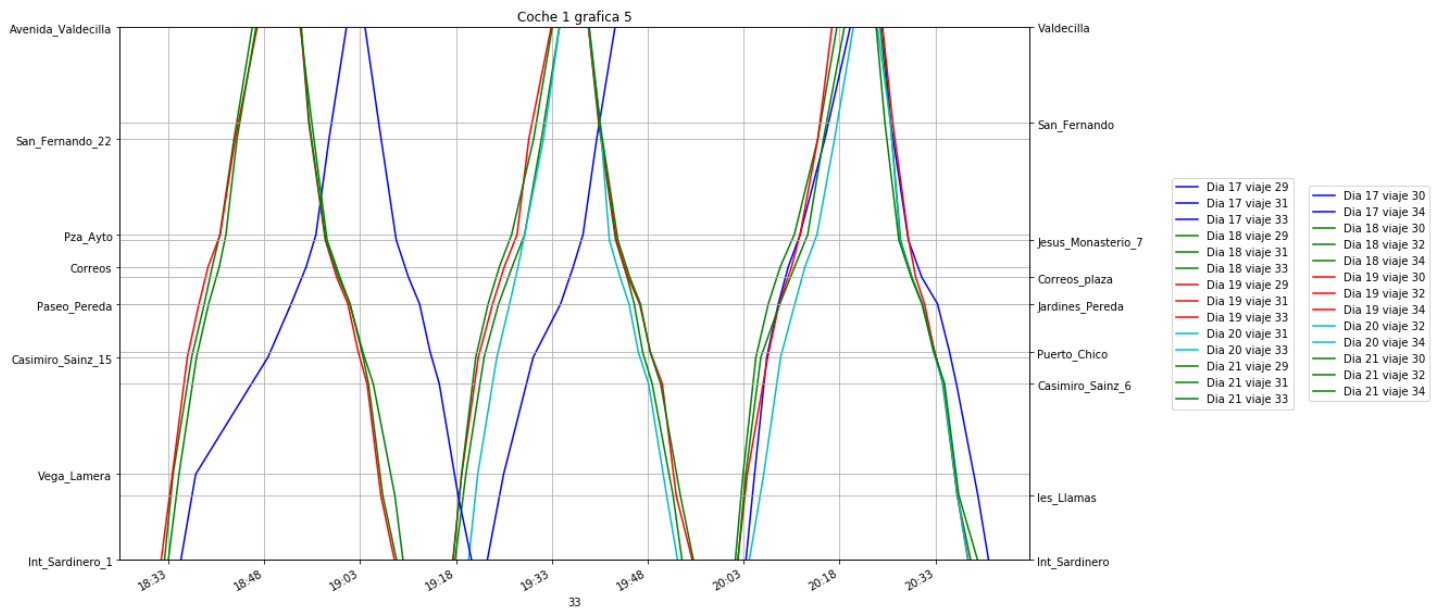
Coche 1 grafica 4

Gráfico evolución:



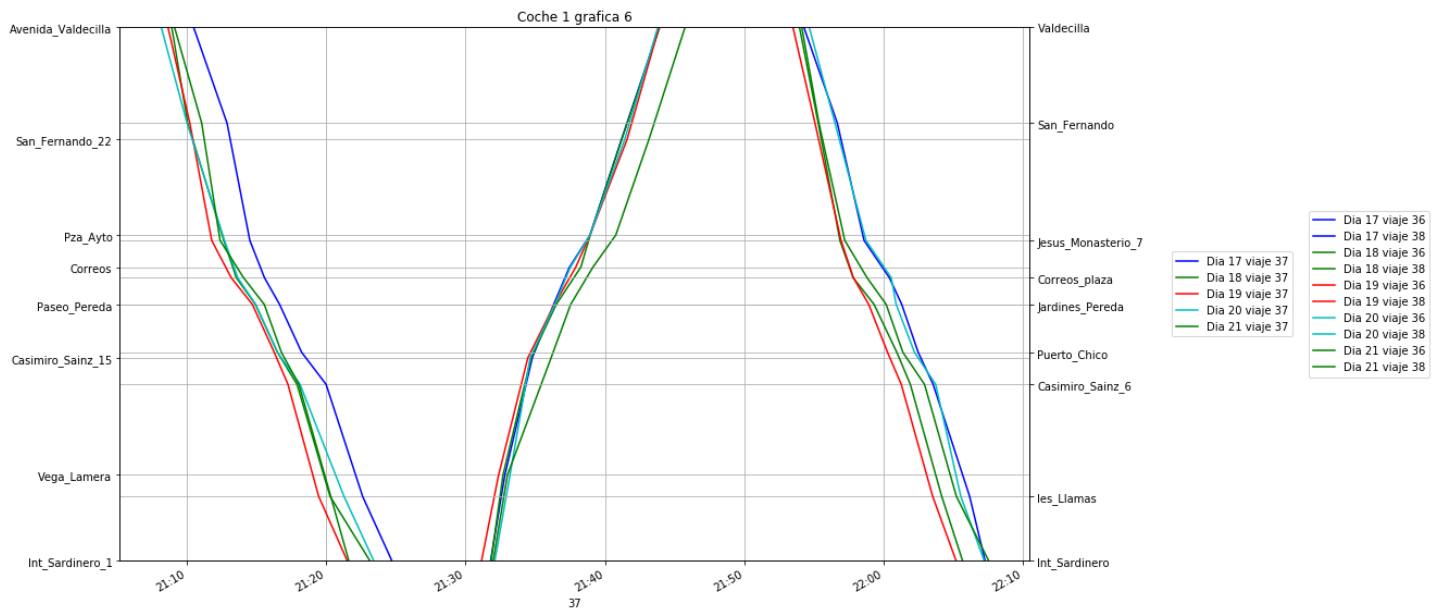
Coche 1 grafica 5

Gráfico evolución:



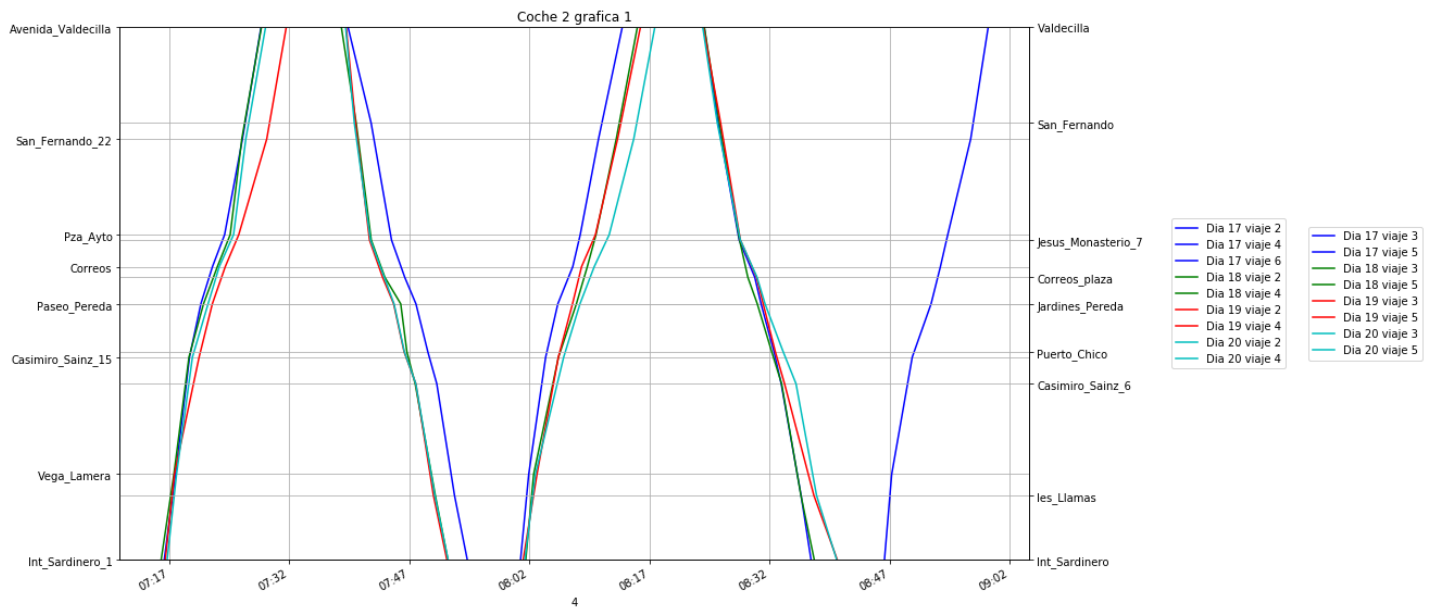
Coche 1 grafica 6

Gráfico evolución:



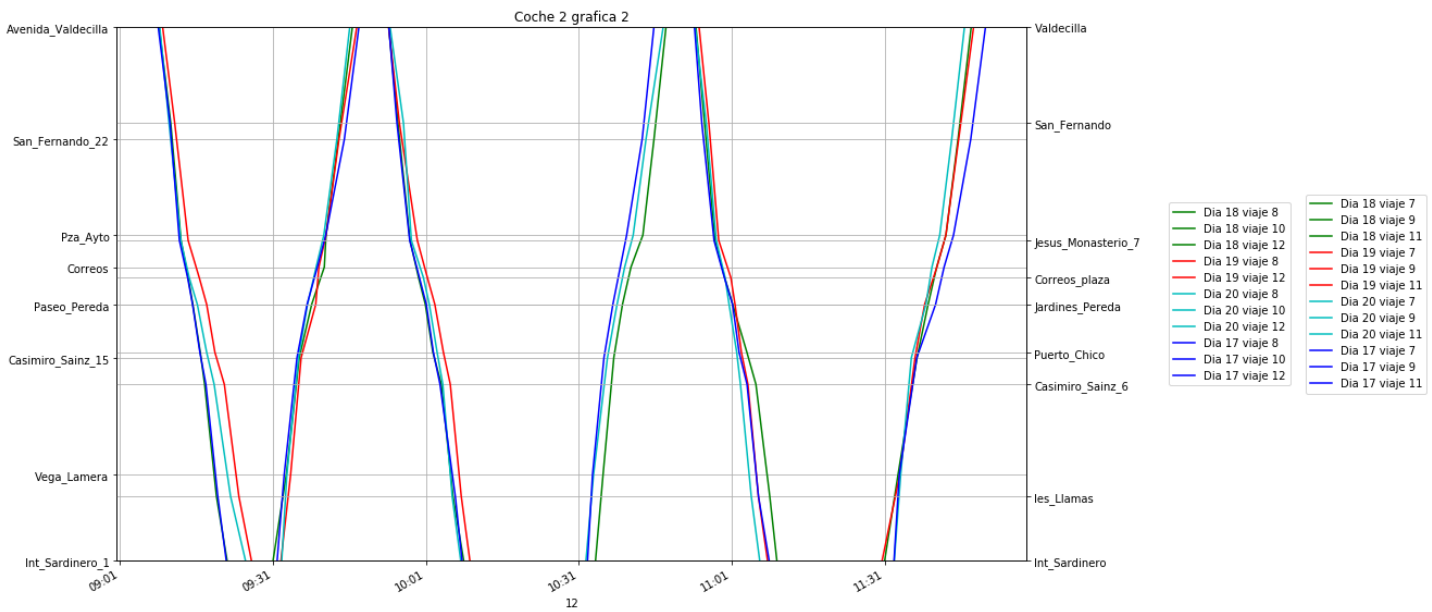
Coche 2 grafica 1

Gráfico evolución:



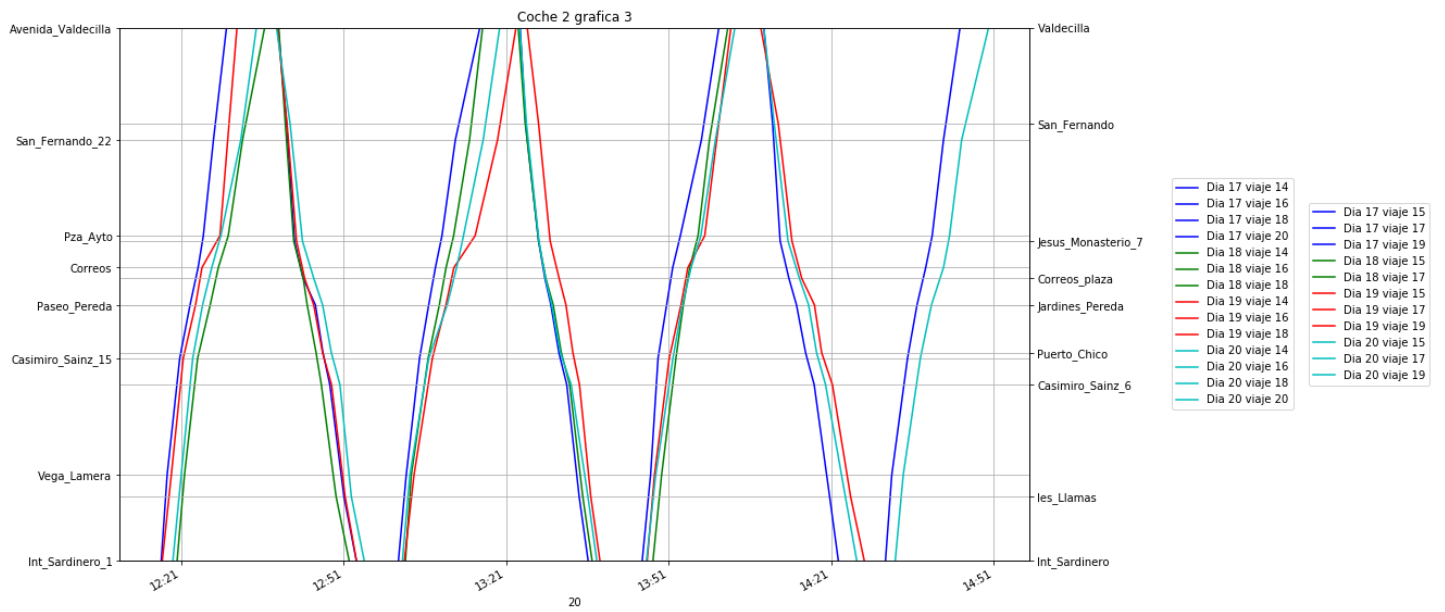
Coche 2 grafica 2

Gráfico evolución:



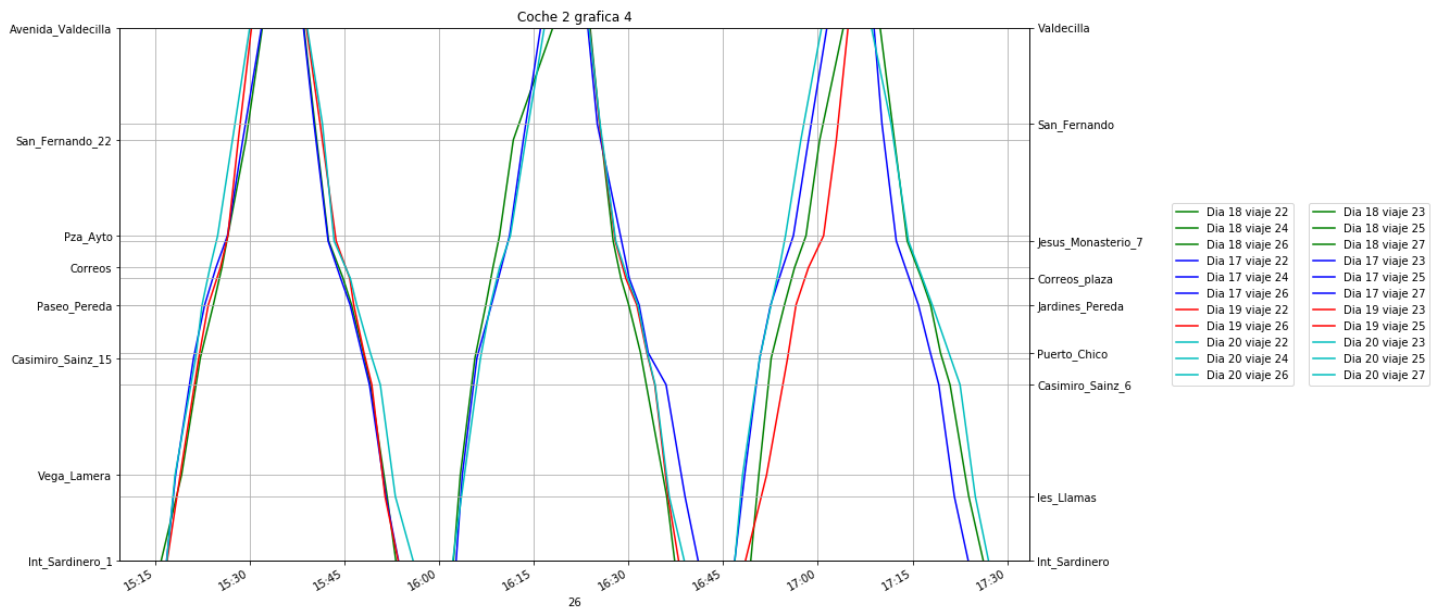
Coche 2 grafica 3

Gráfico evolución:



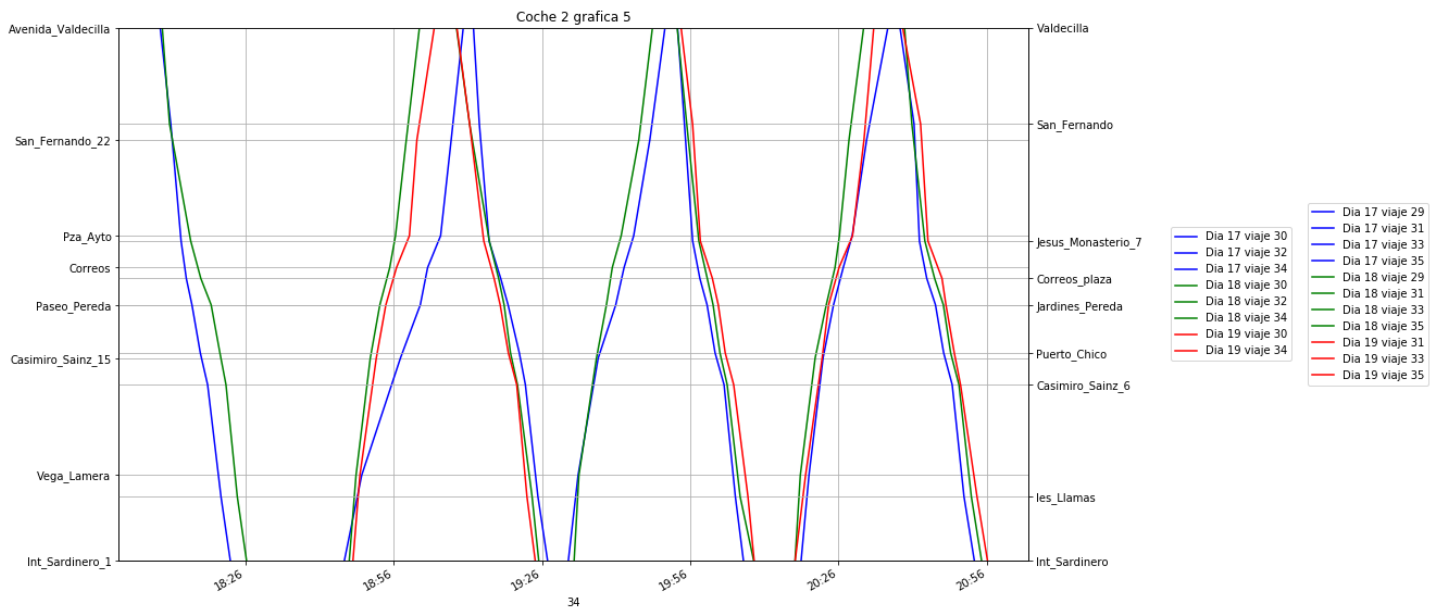
Coche 2 grafica 4

Gráfico evolución:



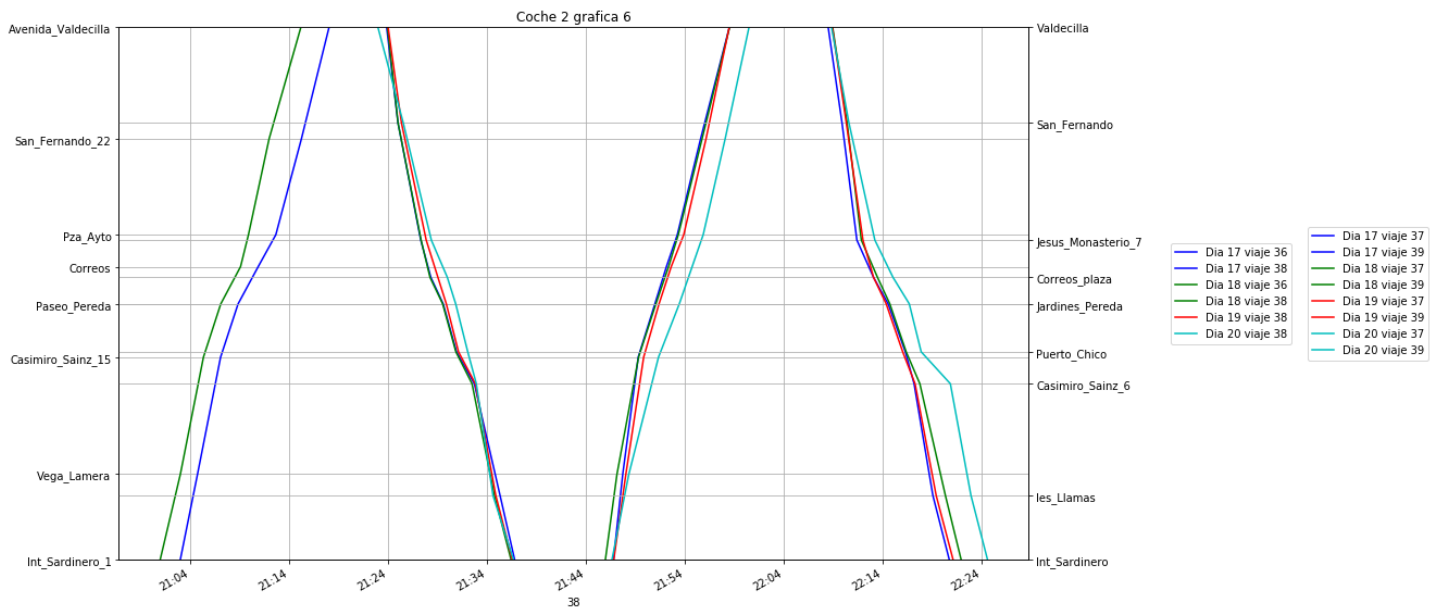
Coche 2 grafica 5

Gráfico evolución:



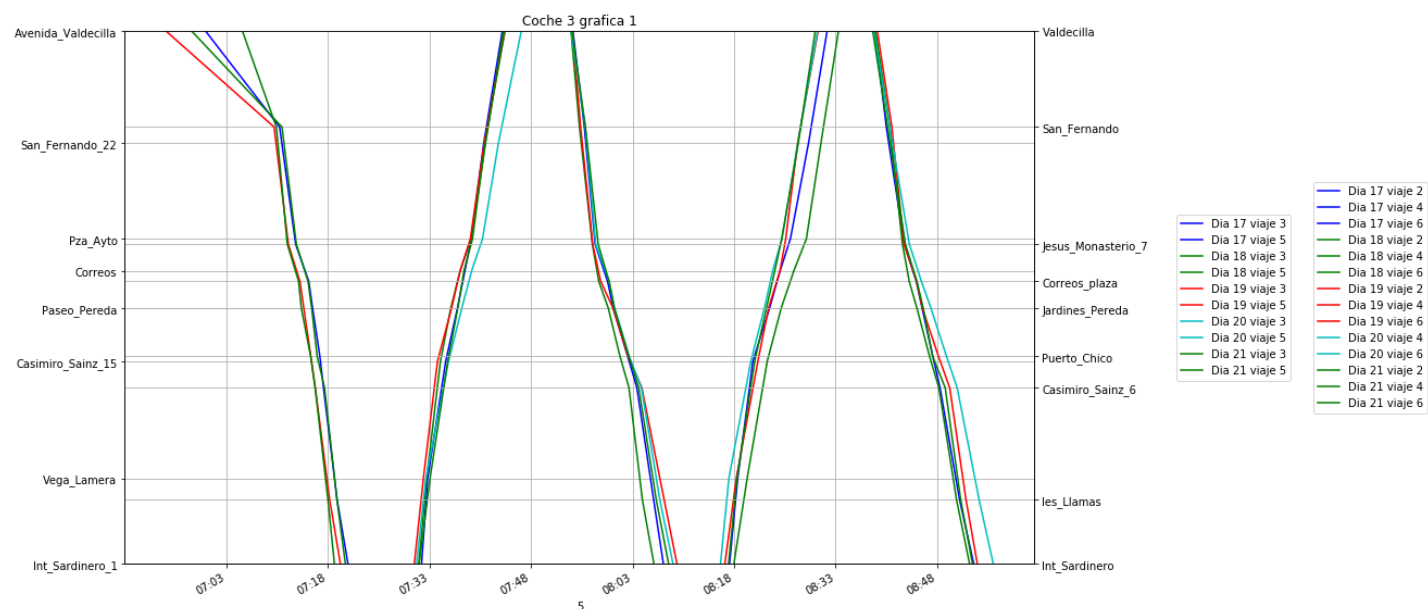
Coche 2 grafica 6

Gráfico evolución:



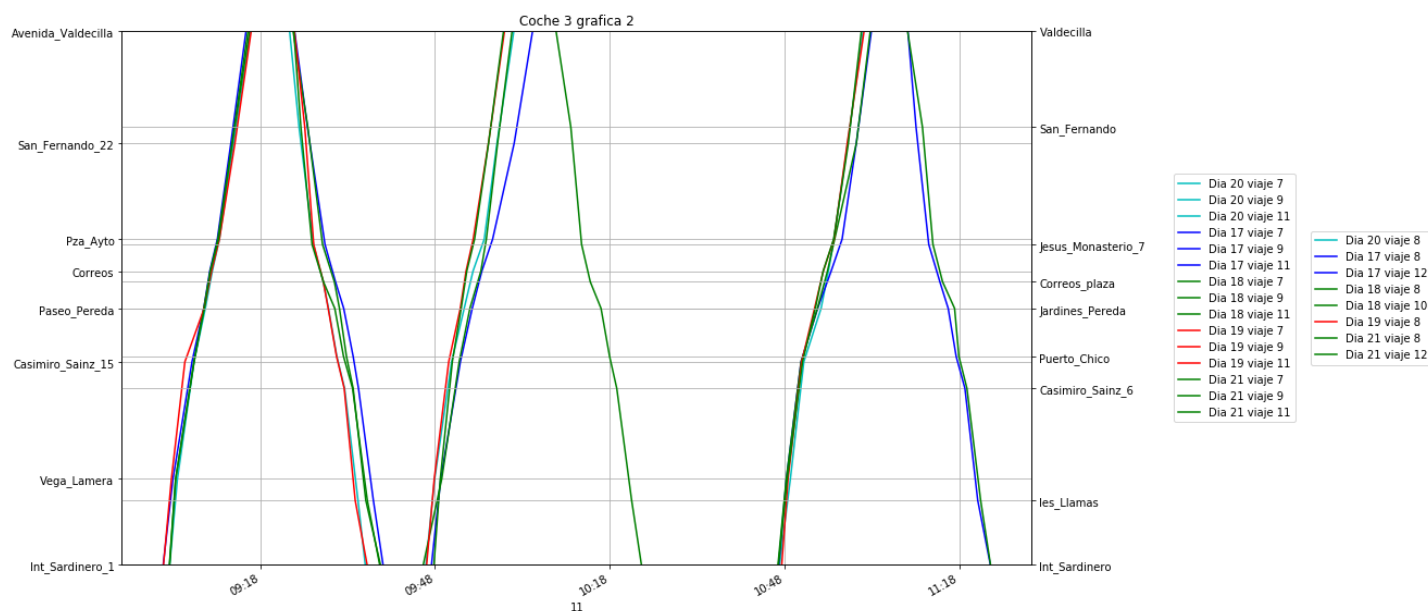
Coche 3 grafica 1

Gráfico evolución:



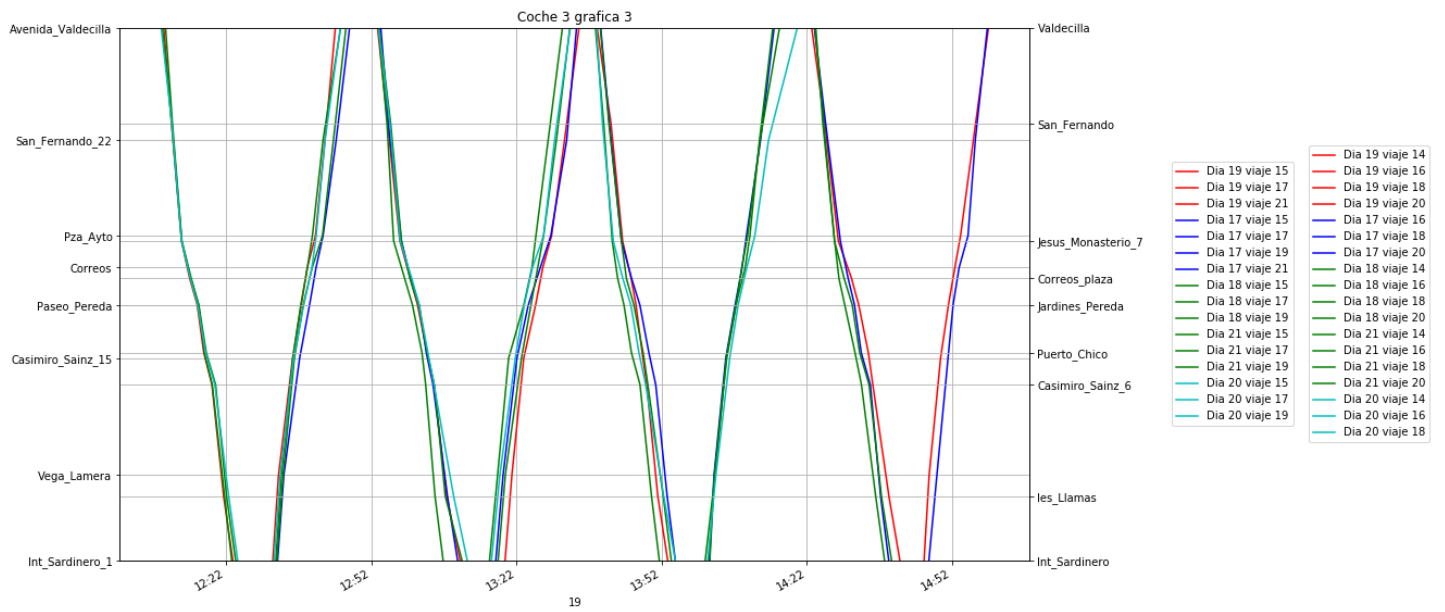
Coche 3 grafica 2

Gráfico evolución:



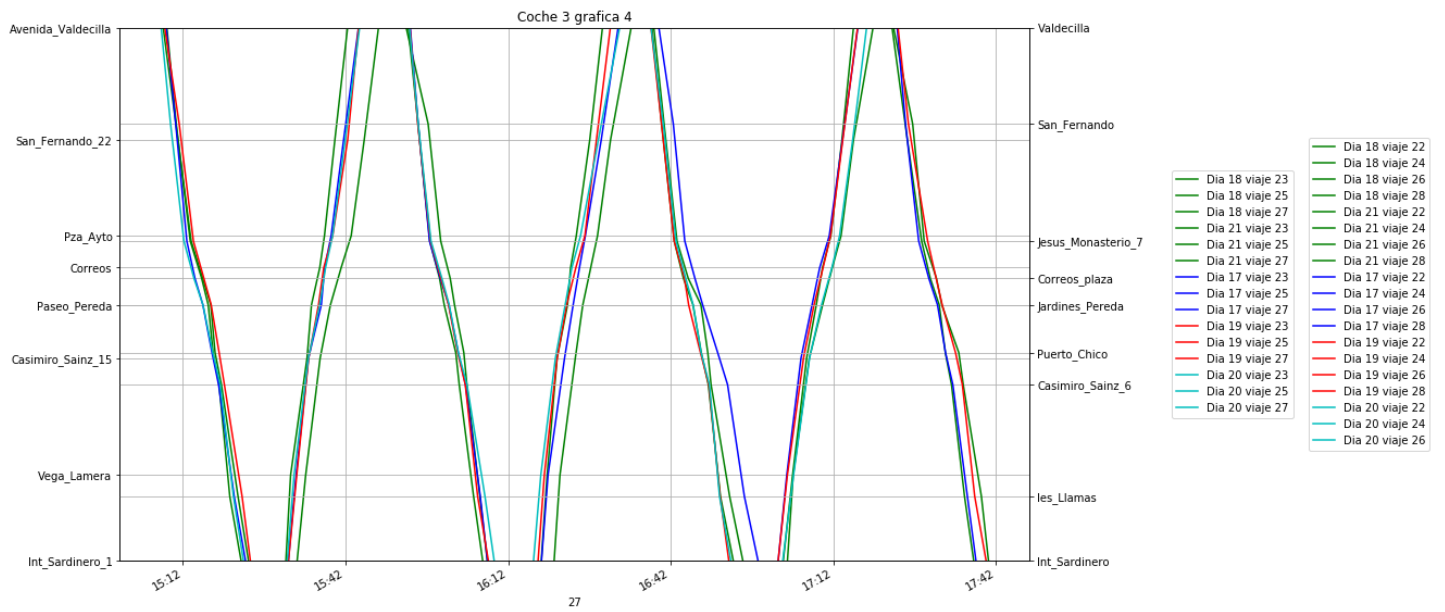
Coche 3 grafica 3

Gráfico evolución:



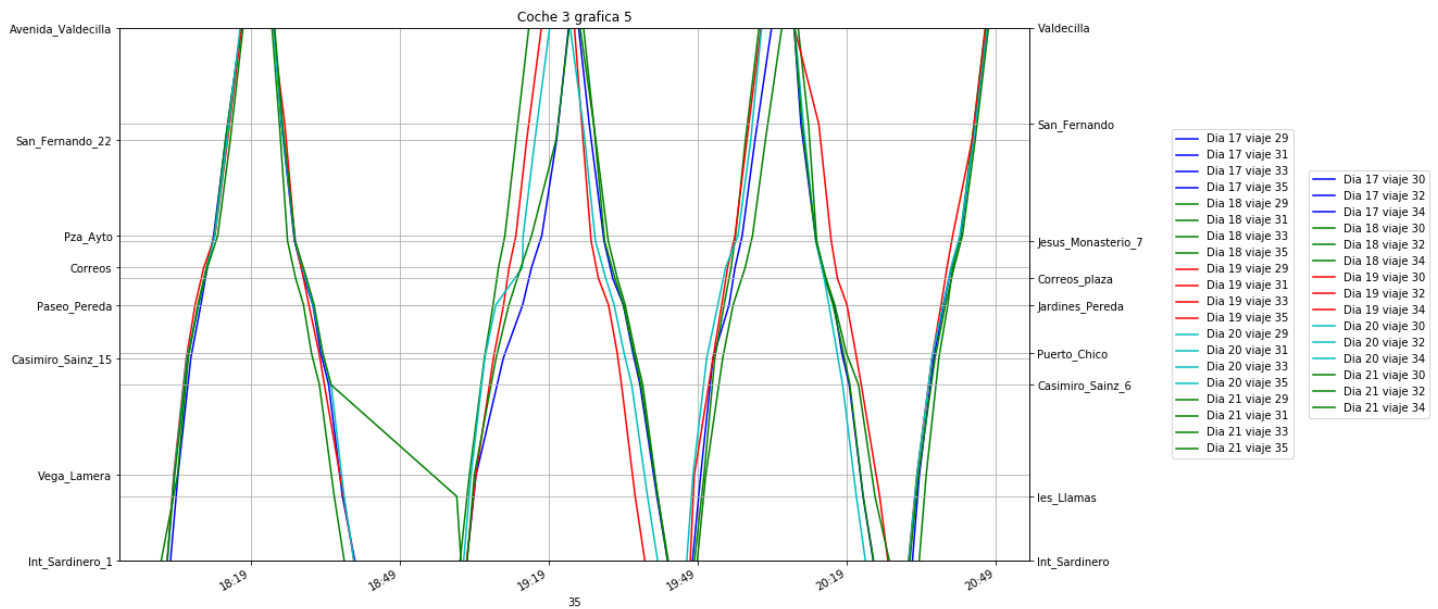
Coche 3 grafica 4

Gráfico evolución:



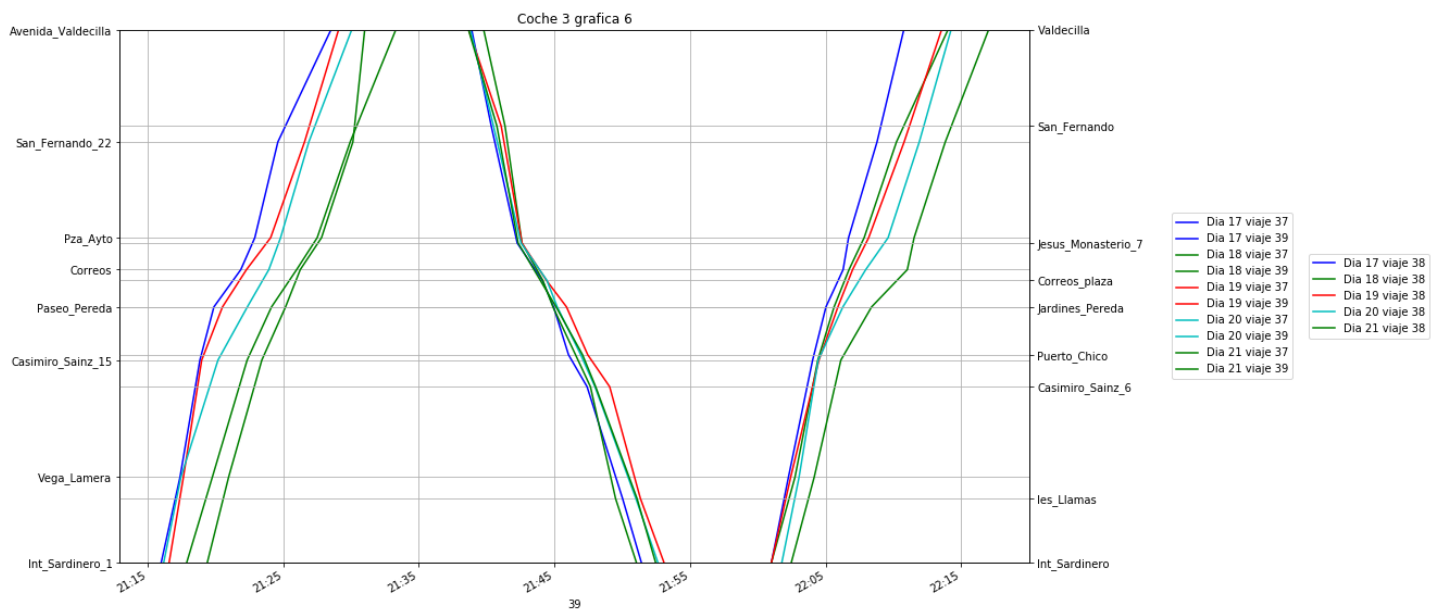
Coche 3 grafica 5

Gráfico evolución:



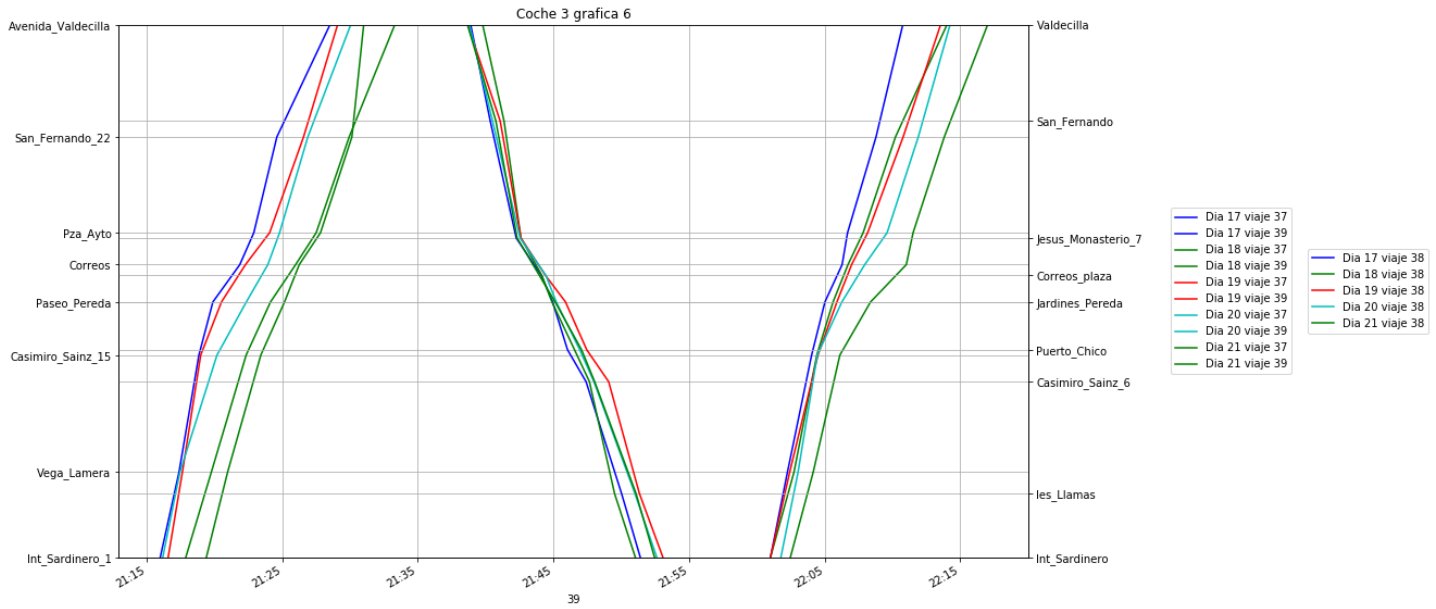
Coche 3 grafica 6

Gráfico evolución:



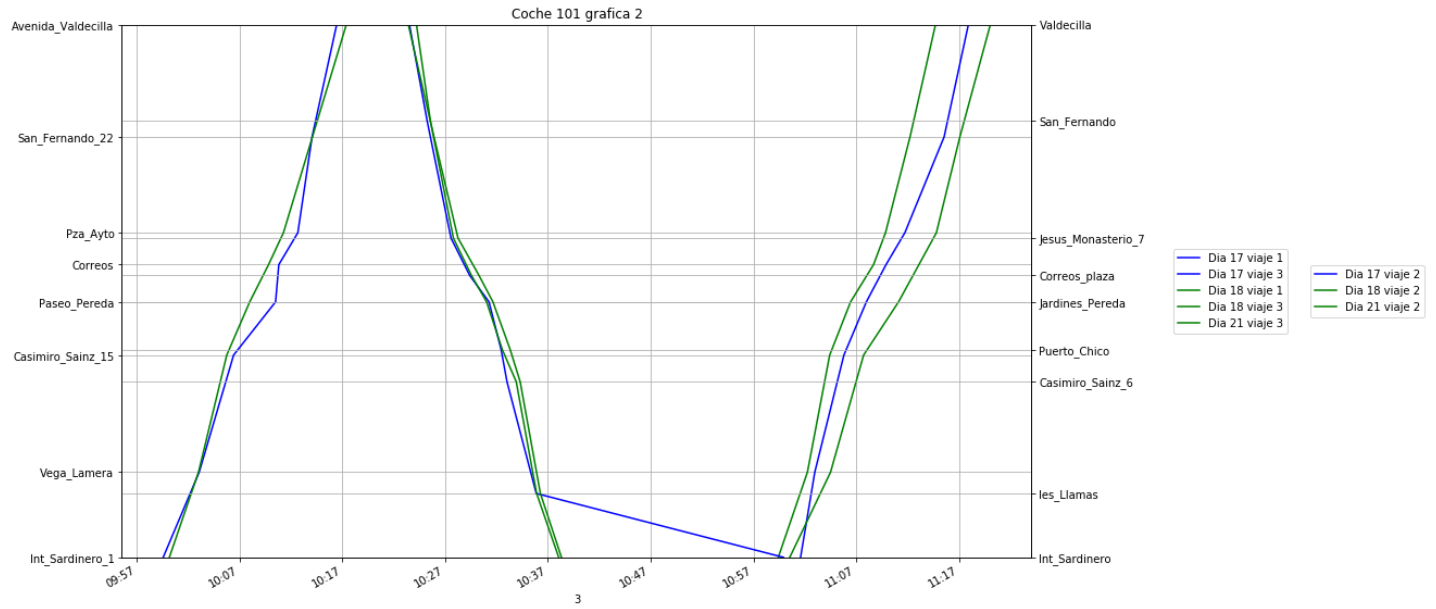
Coche 3 grafica 6

Gráfico evolución:



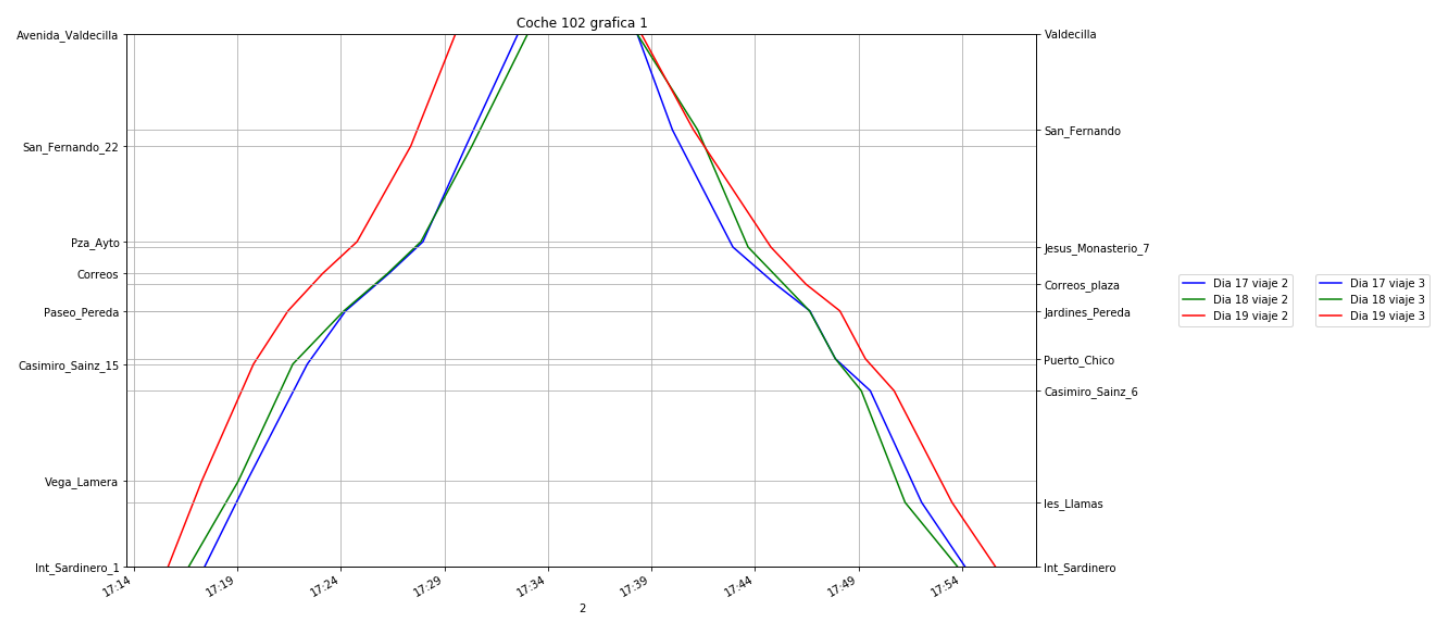
Coche 101 grafica 2

Gráfico evolución:



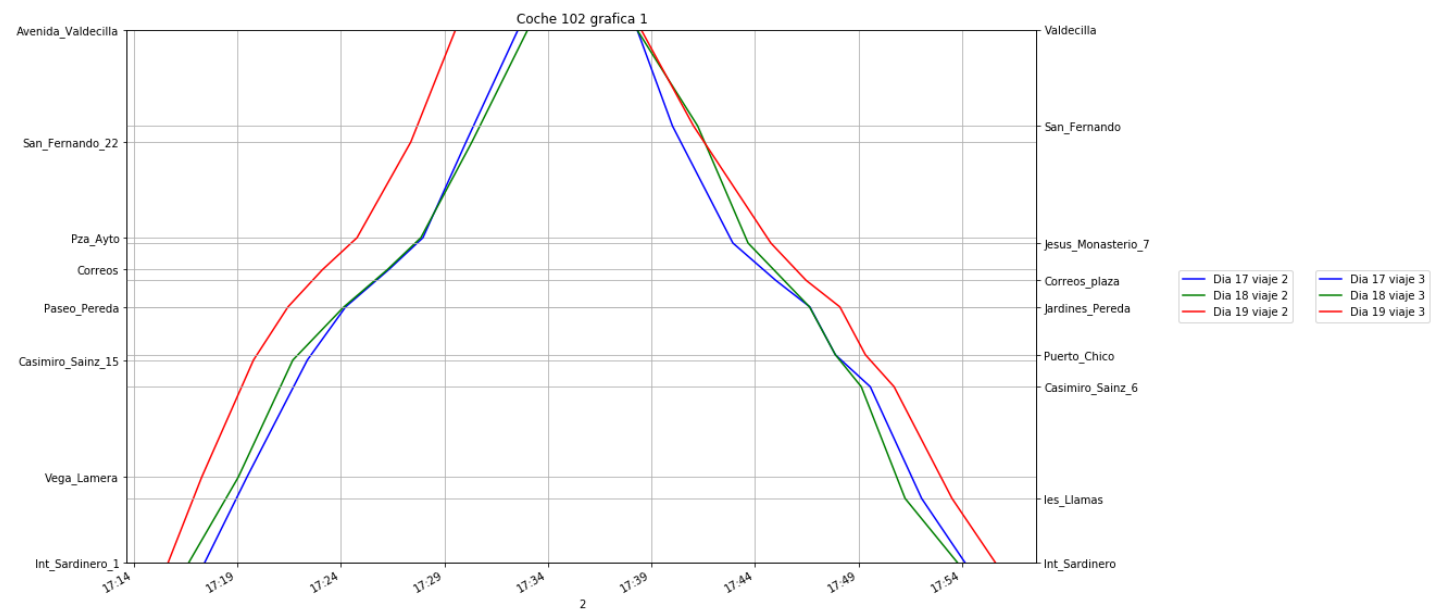
Coche 102 grafica 1

Gráfico evolución:



Coche 102 grafica 1

Gráfico evolución:



Coche 102 grafica 1

Gráfico evolución:

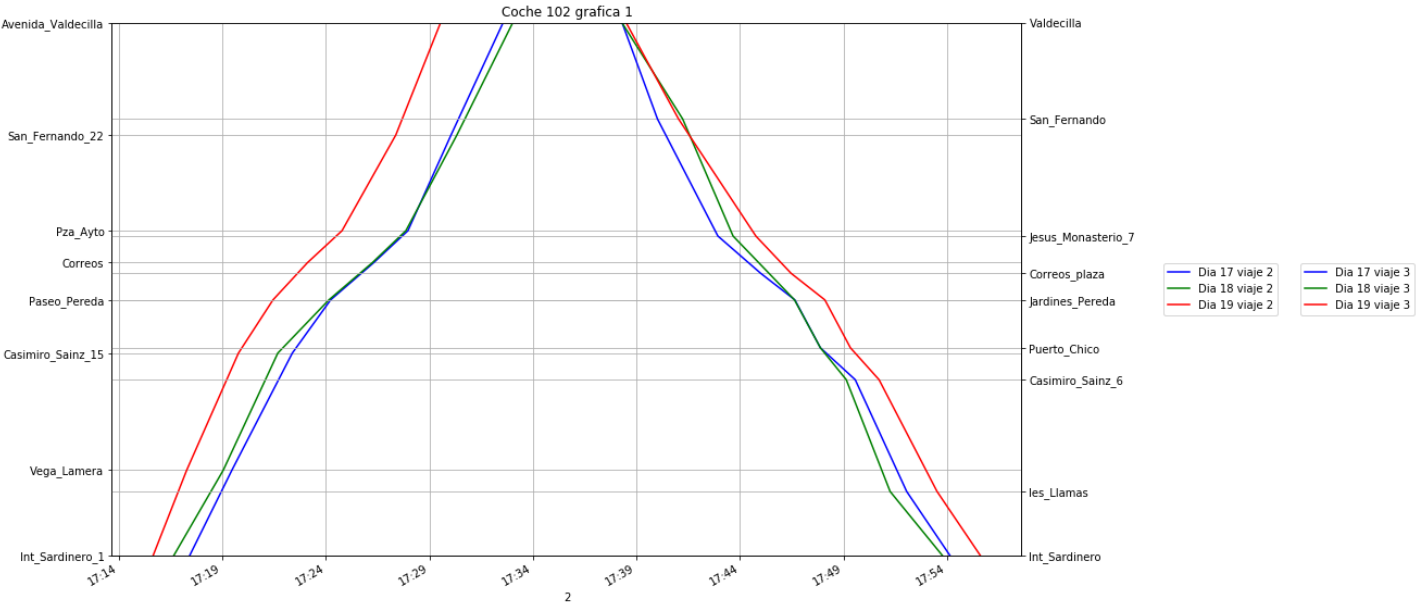


Tabla resumen velocidades y tiempos

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
0	Sardiner_ Valdecilla	12	38.366667	7.662902	NaN	NaN
0	Sardiner_ Valdecilla	16	22.600000	13.008850	NaN	NaN
0	Sardiner_ Valdecilla	18	16.433333	17.890467	NaN	NaN
0	Sardiner_ Valdecilla	20	19.150000	15.352480	NaN	NaN
0	Sardiner_ Valdecilla	22	14.600000	20.136986	NaN	NaN
0	Sardiner_ Valdecilla	24	16.416667	17.908629	NaN	NaN
0	Sardiner_ Valdecilla	26	18.483333	15.906222	NaN	NaN
0	Sardiner_ Valdecilla	30	18.216667	16.139067	NaN	NaN
0	Sardiner_ Valdecilla	32	16.100000	18.260870	NaN	NaN
0	Sardiner_ Valdecilla	34	16.716667	17.587238	NaN	NaN
0	Sardiner_ Valdecilla	36	14.000000	21.000000	NaN	NaN
0	Sardiner_ Valdecilla	38	13.558333	21.834407	1.590990	2.562139
1	Valdecilla_ Sardiner	2	20.062500	15.231523	4.760434	3.293666
1	Sardiner_ Valdecilla	3	14.210000	20.781176	1.019504	1.596426
1	Valdecilla_ Sardiner	4	16.908333	17.445276	1.105248	1.172158
1	Sardiner_ Valdecilla	5	14.970000	19.855525	1.766132	2.302161
1	Sardiner_ Valdecilla	7	15.080000	19.627566	1.381696	1.798690
1	Valdecilla_ Sardiner	8	19.600000	15.000000	NaN	NaN
1	Sardiner_ Valdecilla	9	15.000000	19.600000	NaN	NaN
1	Valdecilla_ Sardiner	10	16.036667	18.422936	1.261635	1.430034
1	Sardiner_ Valdecilla	11	16.216667	18.260994	1.506237	1.777479
1	Valdecilla_ Sardiner	12	15.750000	18.691540	0.671786	0.777809
1	Sardiner_ Valdecilla	13	15.425000	19.101786	0.834277	1.031342
1	Valdecilla_ Sardiner	14	15.420000	19.189716	1.444645	1.651853
1	Sardiner_ Valdecilla	15	15.750000	18.763634	1.296737	1.474227
1	Valdecilla_ Sardiner	16	14.756667	19.937170	0.436304	0.590906
1	Sardiner_ Valdecilla	17	15.350000	19.445486	2.124232	2.656287
1	Valdecilla_ Sardiner	18	15.833333	18.682293	1.364633	1.652434
1	Sardiner_ Valdecilla	19	16.643333	17.790213	1.634464	1.600221
1	Valdecilla_ Sardiner	20	15.944444	18.578086	1.724443	1.930756
1	Sardiner_ Valdecilla	21	13.250000	22.255249	0.825126	1.337410
1	Valdecilla_ Sardiner	22	13.853333	21.318941	1.086943	1.540568
1	Sardiner_ Valdecilla	23	14.320000	20.632583	1.085600	1.681746
1	Valdecilla_ Sardiner	24	16.800000	18.181471	3.982392	3.620730
1	Sardiner_ Valdecilla	25	14.380000	20.487038	0.717867	1.052013
1	Valdecilla_ Sardiner	26	14.050000	20.932459	0.301232	0.447294
1	Sardiner_ Valdecilla	27	14.923333	19.825667	1.338459	1.747410
1	Sardiner_ Valdecilla	29	17.087500	18.449305	5.906891	4.812184
1	Valdecilla_ Sardiner	30	15.554167	18.949283	0.904349	1.092134
1	Sardiner_ Valdecilla	31	16.266667	18.311903	2.195829	2.215825
1	Valdecilla_ Sardiner	32	15.245833	19.375830	1.203111	1.553202
1	Sardiner_ Valdecilla	33	15.960000	18.454650	0.744106	0.901200
1	Valdecilla_ Sardiner	34	14.820000	19.967945	1.355104	1.778050
1	Valdecilla_ Sardiner	36	13.783333	21.442839	1.115858	1.743145
1	Sardiner_ Valdecilla	37	12.463333	23.665441	0.808840	1.470128
1	Valdecilla_ Sardiner	38	12.453333	23.679517	0.764526	1.454220
2	Sardiner_ Valdecilla	2	13.110000	22.579110	1.250811	2.014018
2	Valdecilla_ Sardiner	3	13.383333	22.063206	1.046245	1.631491
2	Sardiner_ Valdecilla	4	14.700000	20.165417	1.469127	2.074364
2	Valdecilla_ Sardiner	5	15.116667	19.668952	1.844562	2.406817

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
2	Sardinero_Valdecilla	6	12.950000	22.702703	NaN	NaN
2	Valdecilla_Sardinero	7	15.212500	19.631037	2.193229	2.819915
2	Sardinero_Valdecilla	8	15.356667	19.272691	1.372022	1.795209
2	Valdecilla_Sardinero	9	14.700000	20.053850	0.893495	1.182311
2	Sardinero_Valdecilla	10	14.745833	20.141284	1.741454	2.303578
2	Valdecilla_Sardinero	11	14.141667	20.943670	1.410444	2.063443
2	Sardinero_Valdecilla	12	16.720000	17.753250	1.717977	2.065534
2	Sardinero_Valdecilla	14	14.243333	20.855717	1.593023	2.407740
2	Valdecilla_Sardinero	15	14.529167	20.358805	1.308546	1.836022
2	Sardinero_Valdecilla	16	16.933333	17.739351	2.912076	2.936130
2	Valdecilla_Sardinero	17	13.437500	21.923289	0.690997	1.147510
2	Sardinero_Valdecilla	18	14.908333	19.808935	1.157784	1.519144
2	Valdecilla_Sardinero	19	16.644444	17.995627	2.700069	3.080403
2	Sardinero_Valdecilla	20	15.466667	19.250395	2.451304	3.050985
2	Sardinero_Valdecilla	22	14.366667	20.604369	1.380888	1.948372
2	Valdecilla_Sardinero	23	15.208333	19.397680	1.055365	1.271933
2	Sardinero_Valdecilla	24	14.516667	20.340107	1.167024	1.634833
2	Valdecilla_Sardinero	25	15.000000	19.794980	1.772370	2.206470
2	Sardinero_Valdecilla	26	14.795833	19.943230	1.048400	1.371356
2	Valdecilla_Sardinero	27	16.577778	17.875839	1.822417	1.930928
2	Valdecilla_Sardinero	29	15.850000	18.664956	1.497312	1.843871
2	Sardinero_Valdecilla	30	18.216667	16.950677	5.161476	4.325040
2	Valdecilla_Sardinero	31	15.816667	18.621858	0.825126	0.974325
2	Sardinero_Valdecilla	32	17.683333	16.809808	2.616295	2.487055
2	Valdecilla_Sardinero	33	14.511111	20.338810	1.089385	1.568882
2	Sardinero_Valdecilla	34	15.761111	18.826651	1.836386	2.233831
2	Valdecilla_Sardinero	35	15.905556	18.541430	1.098273	1.245734
2	Sardinero_Valdecilla	36	14.625000	20.118247	0.577471	0.794372
2	Valdecilla_Sardinero	37	12.916667	22.792377	0.558603	0.958686
2	Sardinero_Valdecilla	38	12.445833	23.736548	1.020020	1.859398
2	Valdecilla_Sardinero	39	13.295833	22.355602	1.686459	2.561737
3	Valdecilla_Sardinero	2	20.737500	15.018406	5.164092	4.558687
3	Sardinero_Valdecilla	3	13.166667	22.510562	1.379412	2.170506
3	Valdecilla_Sardinero	4	14.056667	21.062508	1.289627	2.009359
3	Sardinero_Valdecilla	5	14.140000	20.870483	0.964264	1.440285
3	Valdecilla_Sardinero	6	15.100000	19.599818	1.442654	1.698715
3	Sardinero_Valdecilla	7	14.050000	20.956700	0.617342	0.894759
3	Valdecilla_Sardinero	8	14.056667	21.052405	1.246194	1.933469
3	Sardinero_Valdecilla	9	14.583333	20.486703	2.046779	2.930799
3	Valdecilla_Sardinero	10	14.633333	20.091116	NaN	NaN
3	Sardinero_Valdecilla	11	14.873333	19.824059	0.902127	1.177598
3	Valdecilla_Sardinero	12	14.175000	20.740920	0.058926	0.086220
3	Valdecilla_Sardinero	14	14.704167	20.056149	0.942748	1.286542
3	Sardinero_Valdecilla	15	13.820000	21.324323	0.757683	1.159381
3	Valdecilla_Sardinero	16	16.330000	18.217273	1.888834	2.317989
3	Sardinero_Valdecilla	17	15.603333	18.882149	0.810127	0.963823
3	Valdecilla_Sardinero	18	14.813333	19.943378	1.140261	1.569476
3	Sardinero_Valdecilla	19	15.045833	19.857489	2.341429	2.722486
3	Valdecilla_Sardinero	20	15.883333	18.660773	1.688030	1.897859
3	Sardinero_Valdecilla	21	12.683333	23.234952	0.872098	1.597621
3	Valdecilla_Sardinero	22	14.983333	19.677725	0.878367	1.193454
3	Sardinero_Valdecilla	23	13.103333	22.611897	1.291608	2.229595
3	Valdecilla_Sardinero	24	14.580000	20.203536	0.719703	0.986568
3	Sardinero_Valdecilla	25	13.750000	21.651337	1.670121	2.792997
3	Valdecilla_Sardinero	26	15.736667	18.831030	1.616512	1.811095
3	Sardinero_Valdecilla	27	14.690000	20.108918	1.098459	1.595935
3	Valdecilla_Sardinero	28	15.812500	18.688659	1.321782	1.529546
3	Sardinero_Valdecilla	29	15.020000	19.607667	0.702713	0.902911
3	Valdecilla_Sardinero	30	20.160000	16.463567	9.713726	4.910457
3	Sardinero_Valdecilla	31	17.413333	17.317099	3.059648	3.098466
3	Valdecilla_Sardinero	32	16.846667	17.583661	1.538415	1.809916
3	Sardinero_Valdecilla	33	15.030000	19.727825	1.535659	2.050052
3	Valdecilla_Sardinero	34	16.626667	17.931013	2.208902	2.344375
3	Sardinero_Valdecilla	35	15.080000	19.580751	1.066107	1.499236
3	Sardinero_Valdecilla	37	13.166667	22.546915	1.484971	2.422251
3	Valdecilla_Sardinero	38	13.146667	22.540483	1.264823	2.309541
3	Sardinero_Valdecilla	39	12.456667	24.007785	1.727699	3.690283
101	Sardinero_Valdecilla	1	16.733333	17.576528	0.381032	0.398605
101	Valdecilla_Sardinero	2	21.700000	16.362425	12.726973	7.211325
101	Sardinero_Valdecilla	3	16.350000	18.179264	1.971428	2.060013
102	Sardinero_Valdecilla	2	15.423333	19.132727	1.028929	1.326488
102	Valdecilla_Sardinero	3	16.116667	18.275623	0.856997	0.949055
102	Sardinero_Valdecilla	4	16.423333	17.993930	1.270750	1.497760