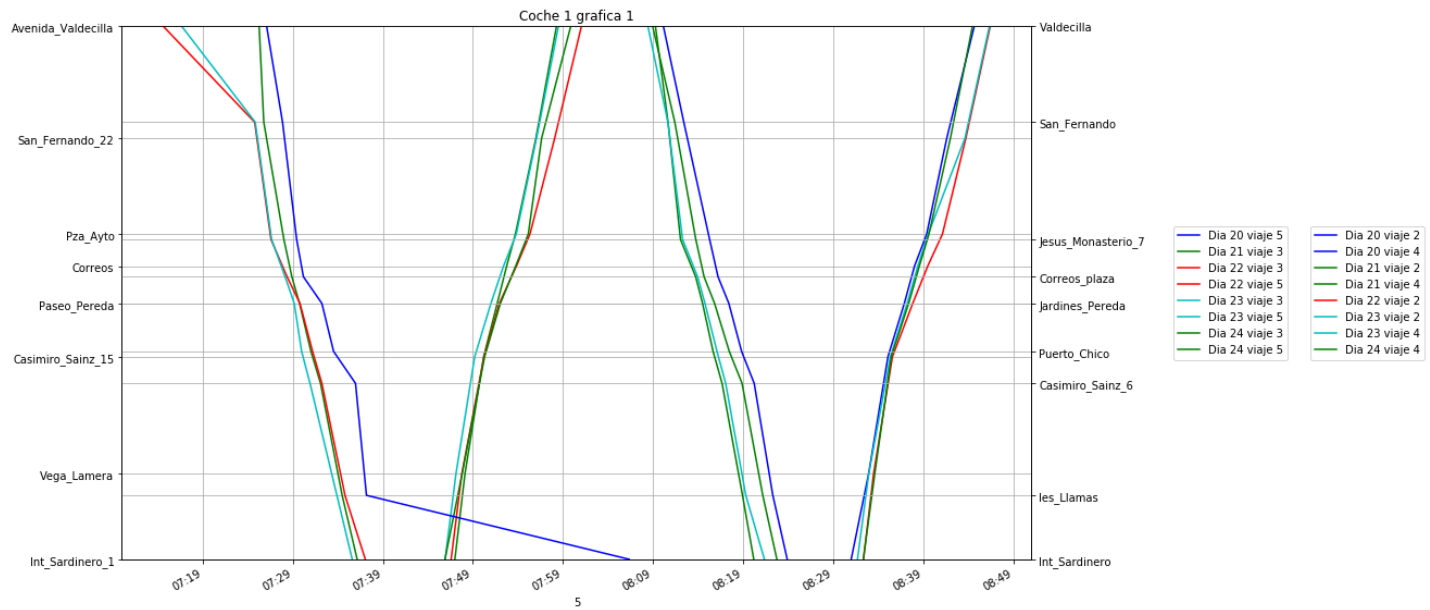


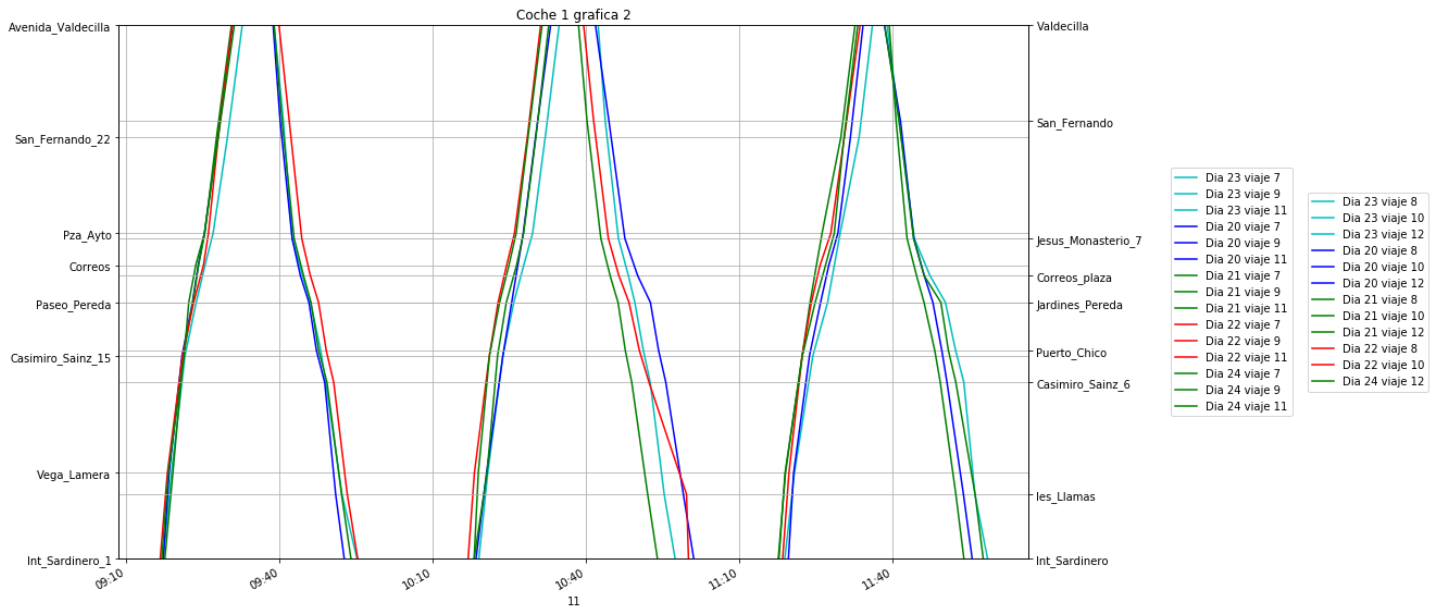
Coche 1 grafica 1

Gráfico evolución:



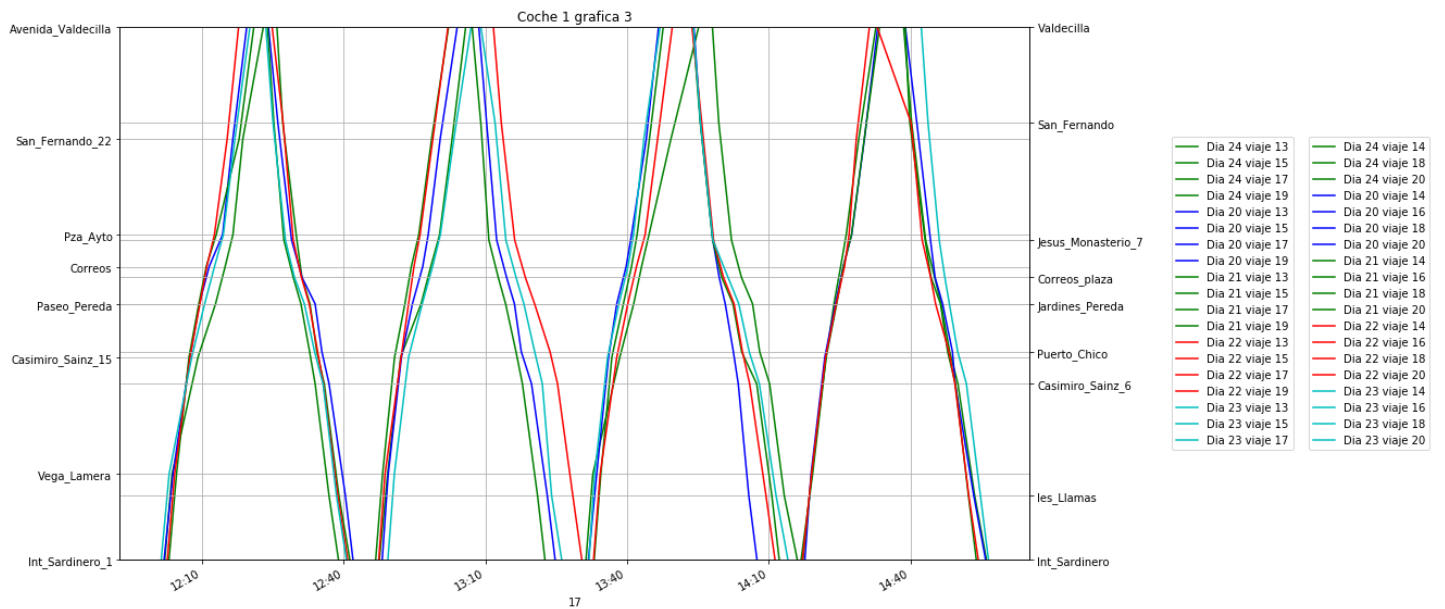
Coche 1 grafica 2

Gráfico evolución:



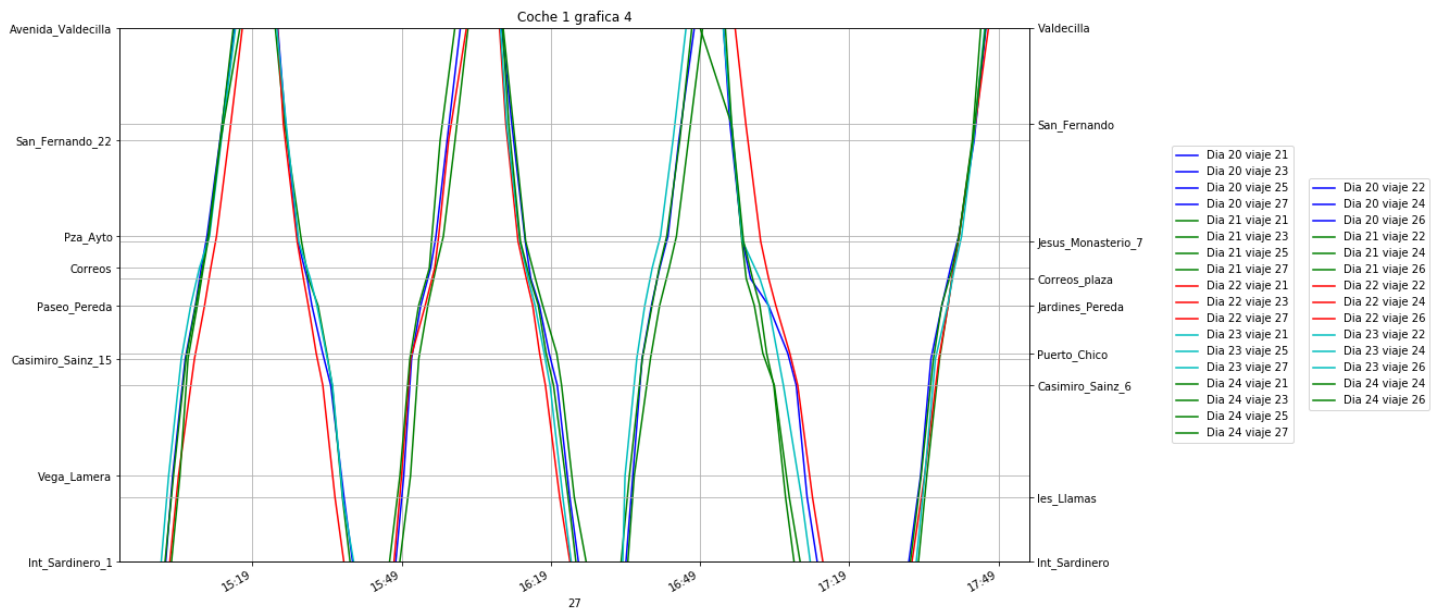
Coche 1 grafica 3

Gráfico evolución:



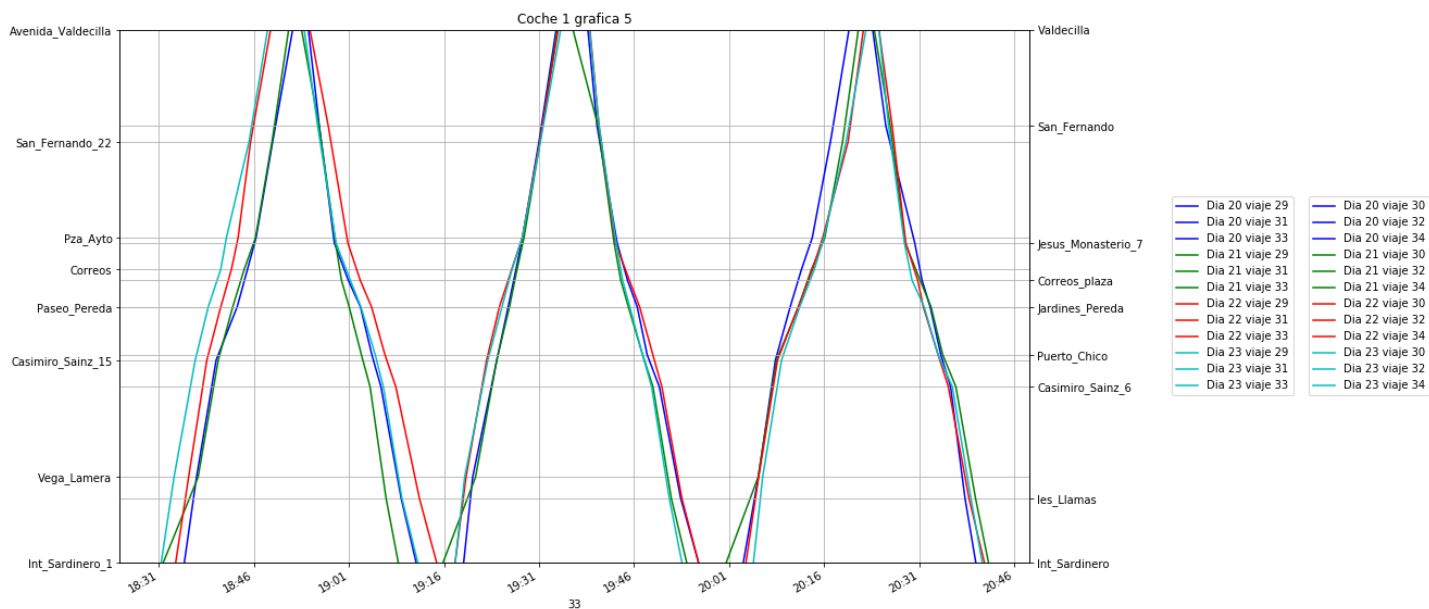
Coche 1 grafica 4

Gráfico evolución:



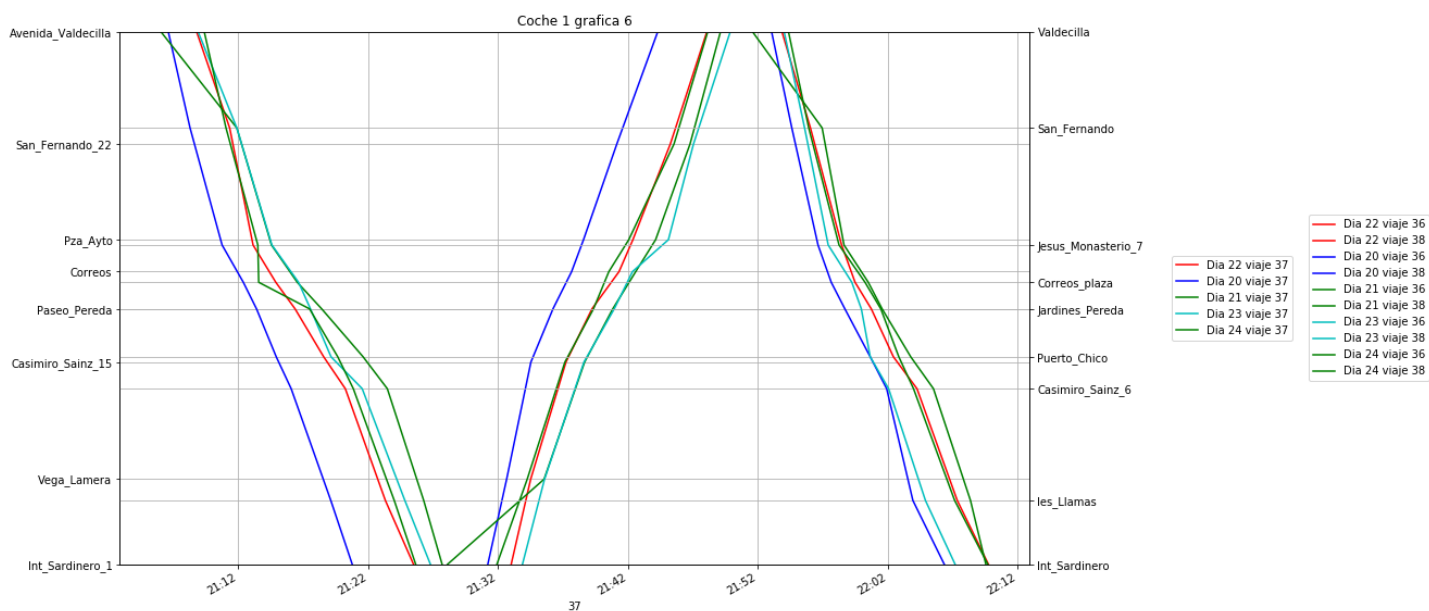
Coche 1 grafica 5

Gráfico evolución:



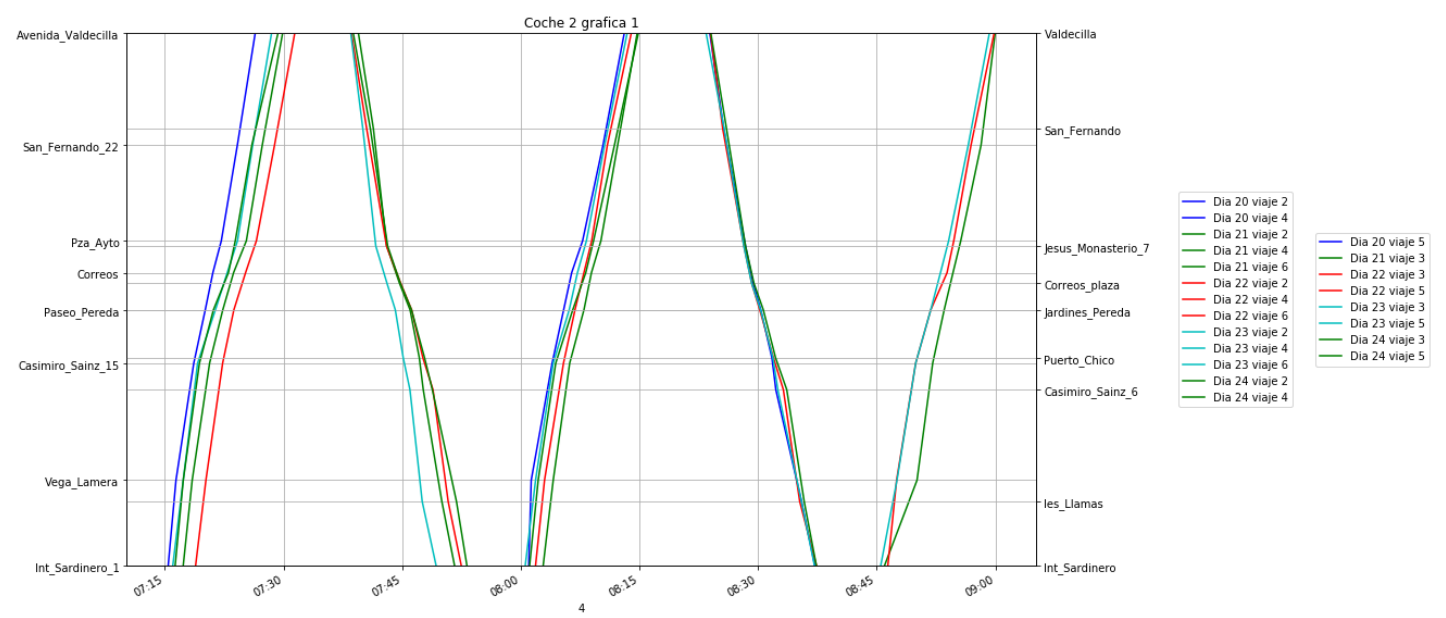
Coche 1 grafica 6

Gráfico evolución:



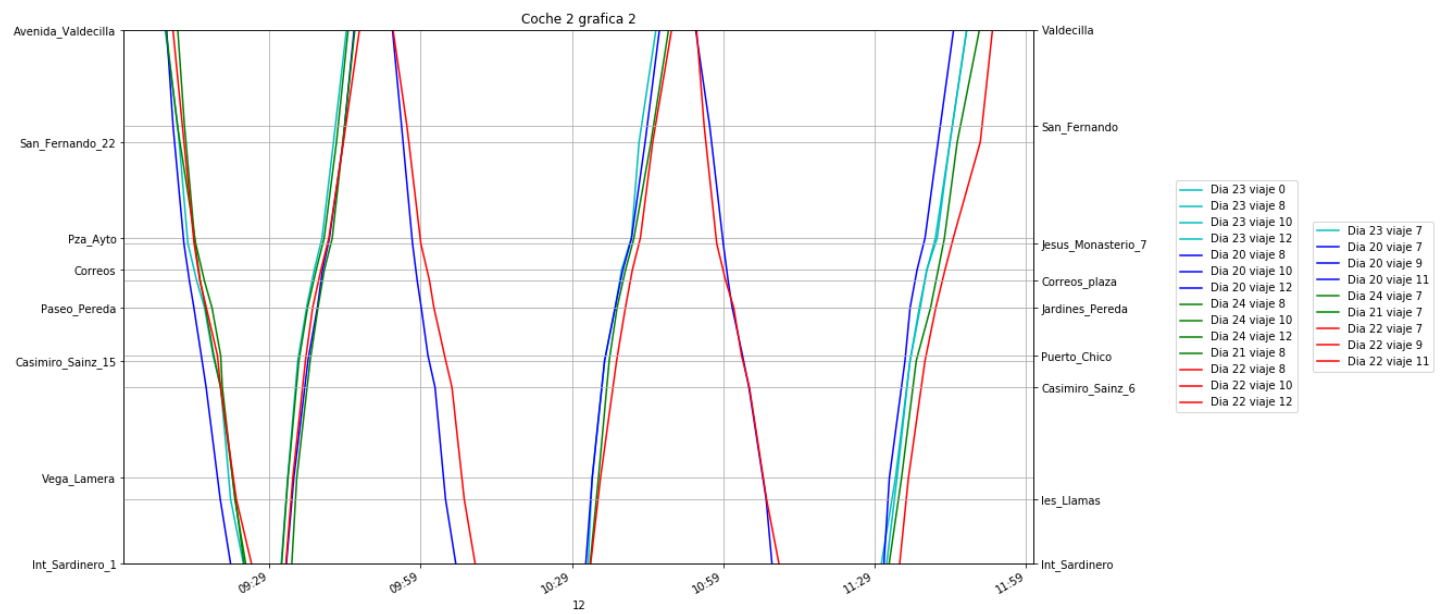
Coche 2 grafica 1

Gráfico evolución:



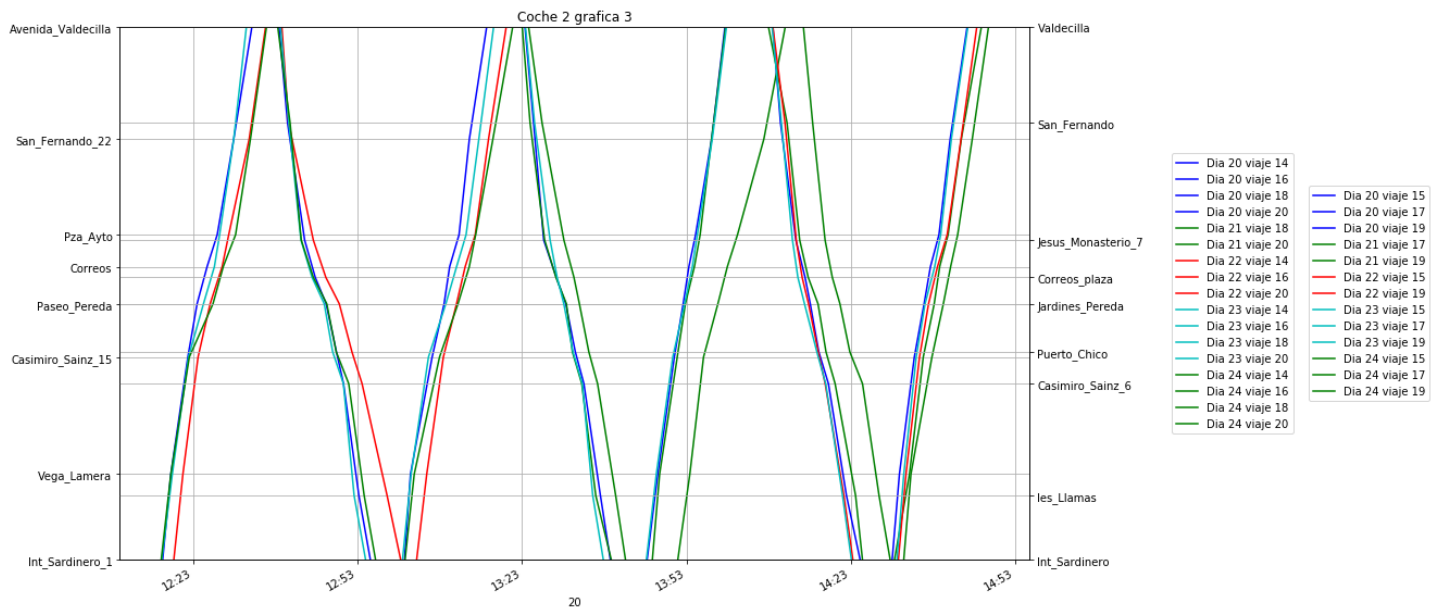
Coche 2 grafica 2

Gráfico evolución:



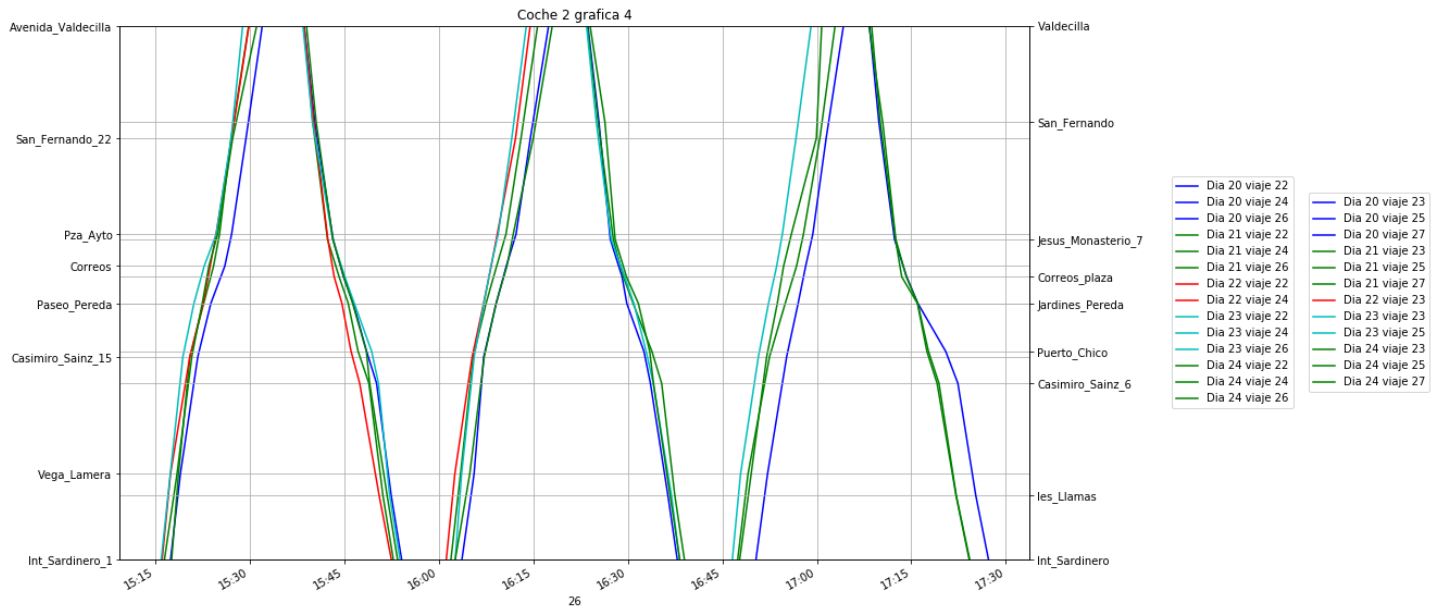
Coche 2 grafica 3

Gráfico evolución:



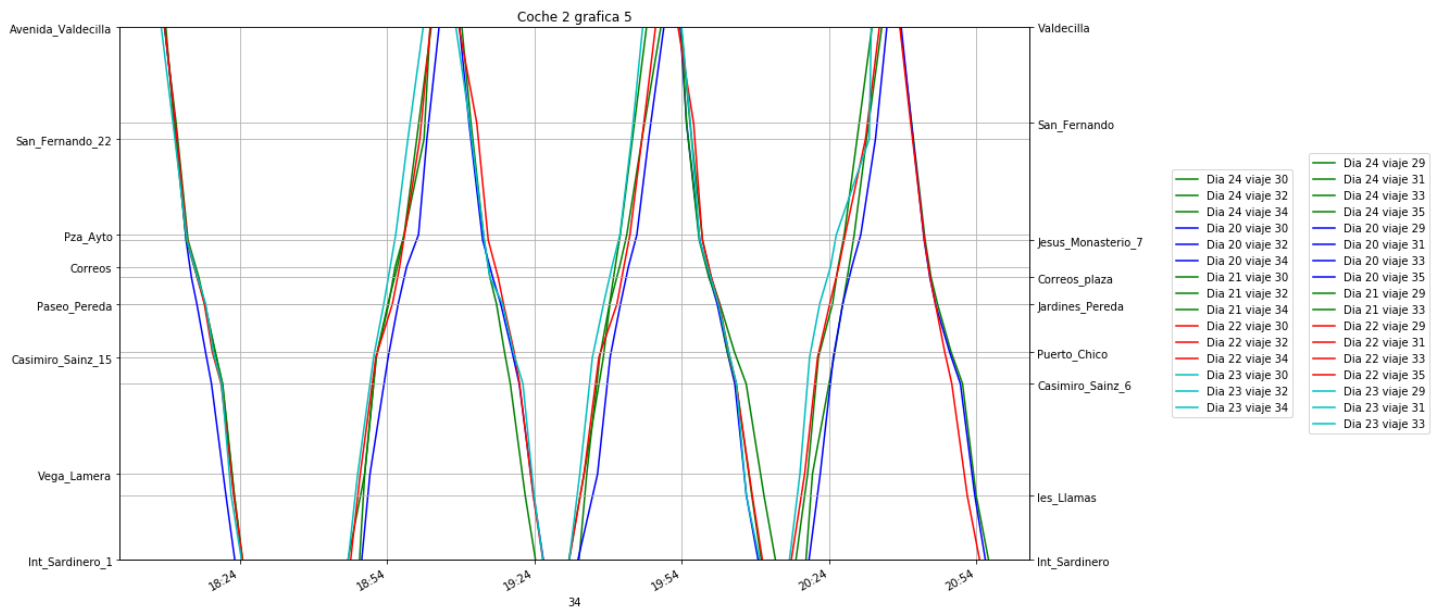
Coche 2 grafica 4

Gráfico evolución:



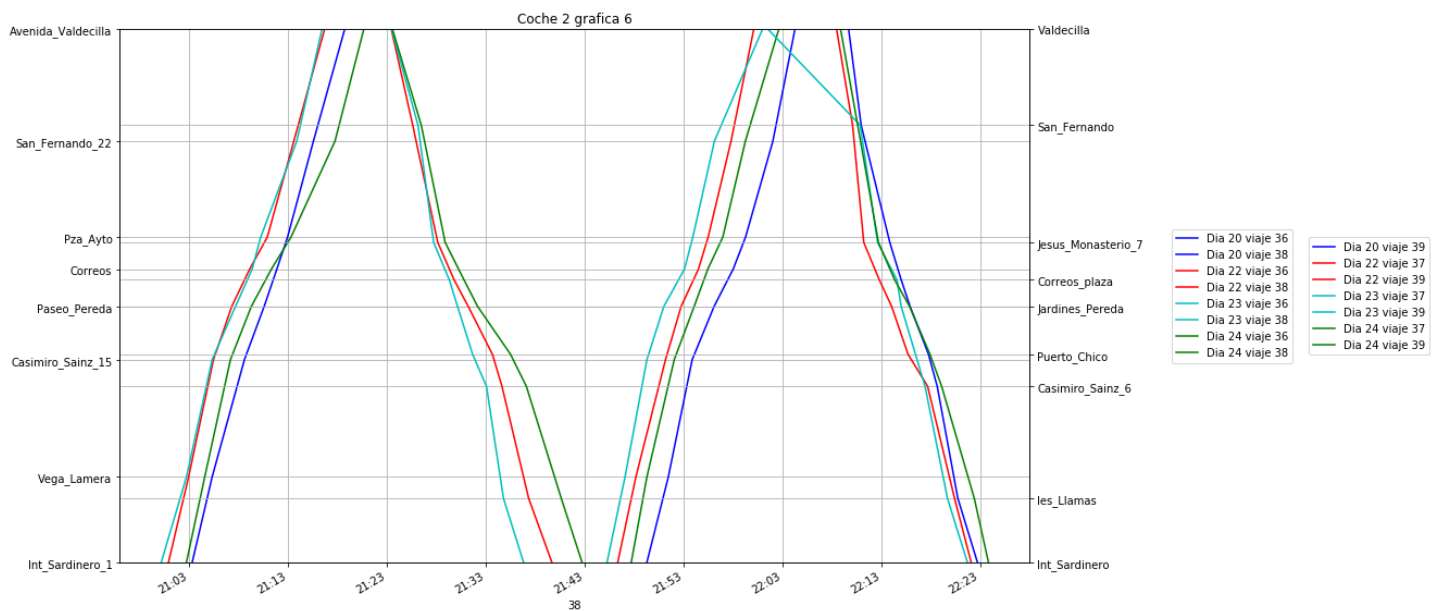
Coche 2 grafica 5

Gráfico evolución:



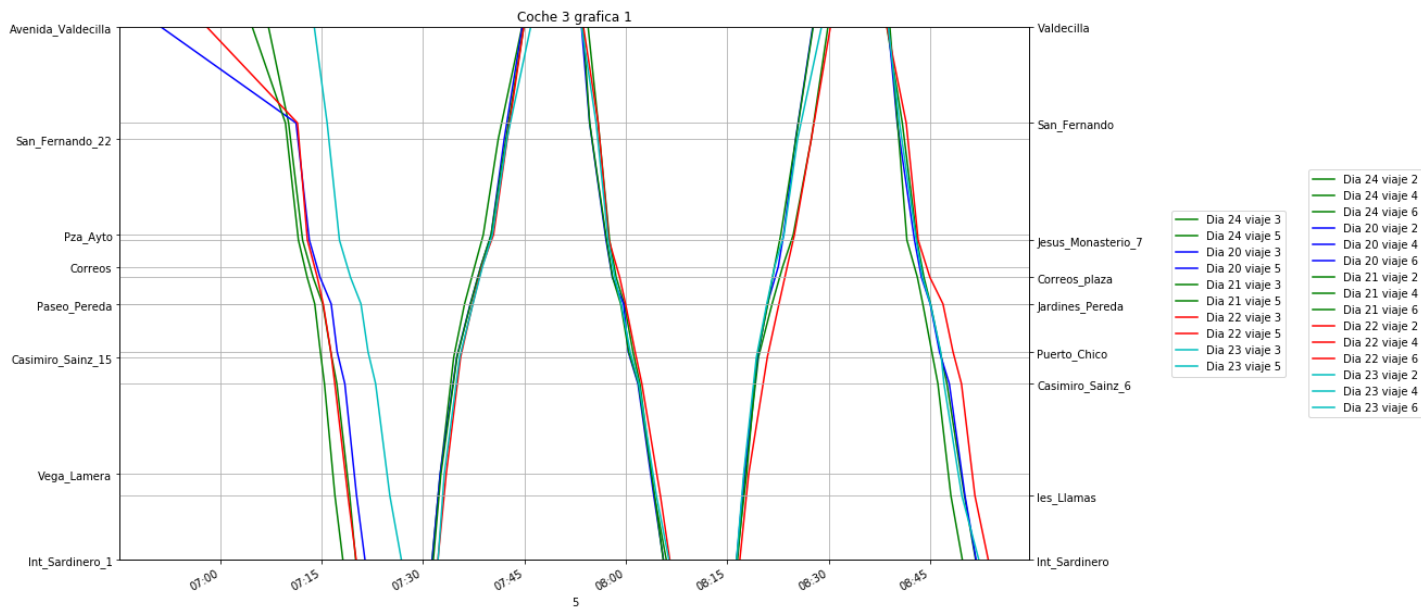
Coche 2 grafica 6

Gráfico evolución:



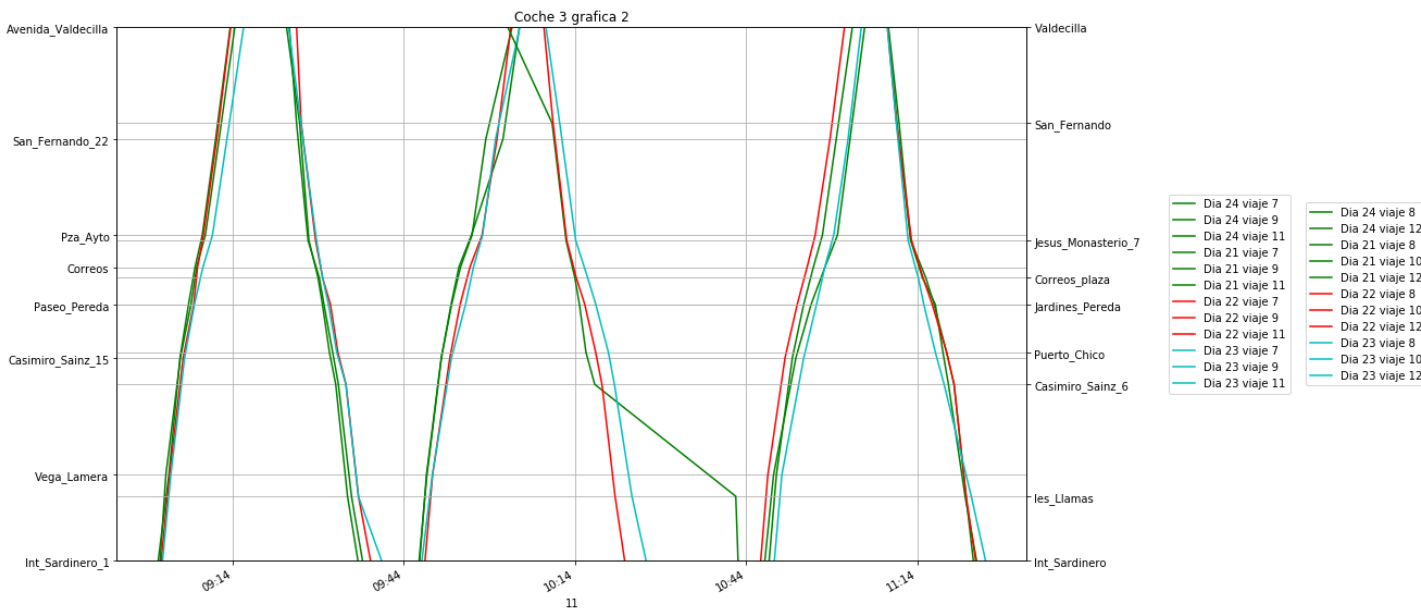
Coche 3 grafica 1

Gráfico evolución:



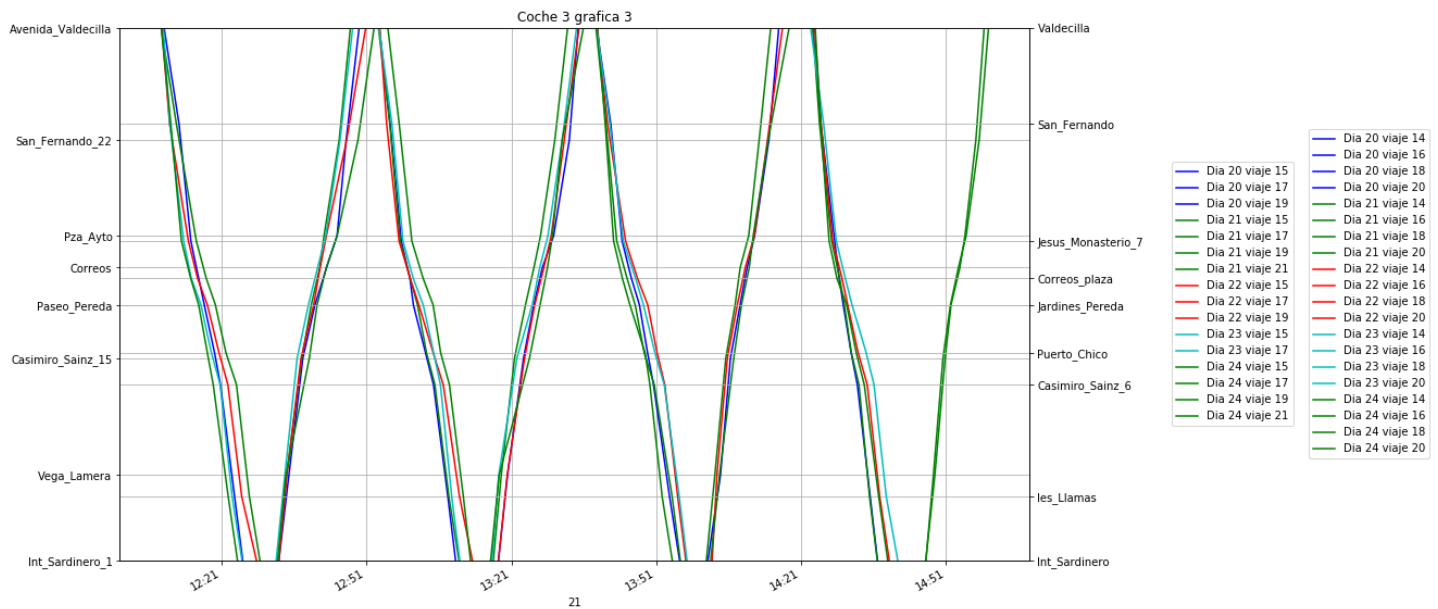
Coche 3 grafica 2

Gráfico evolución:



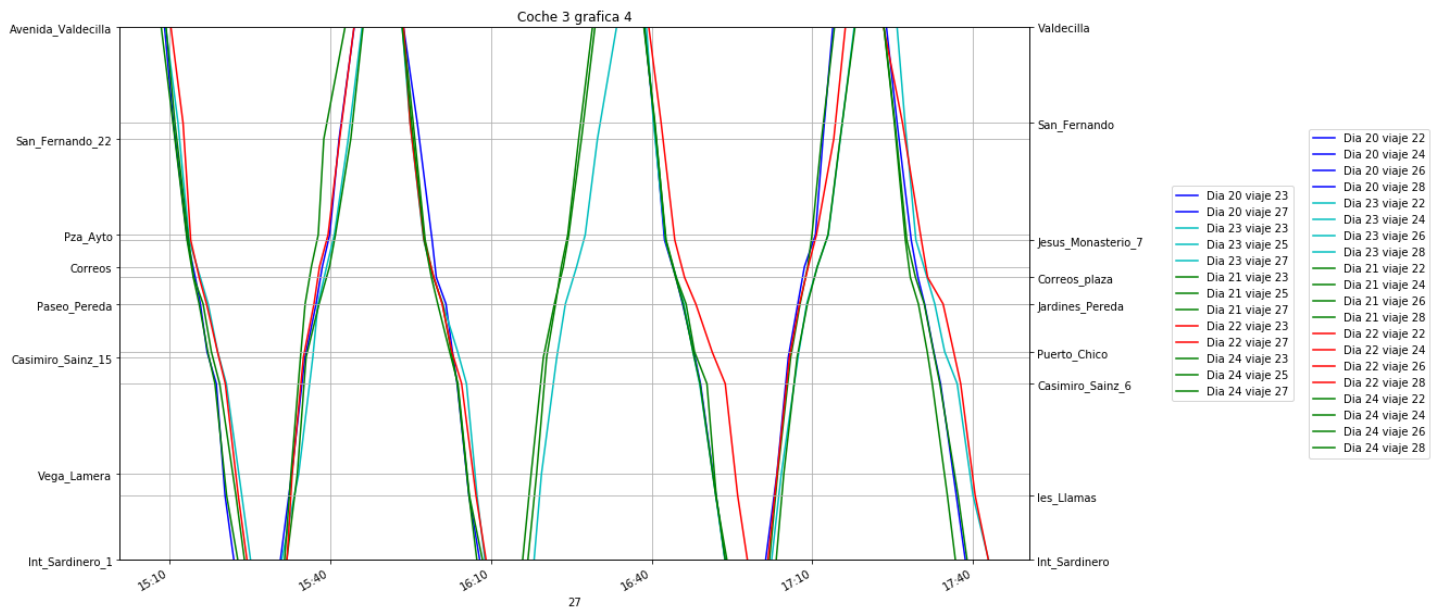
Coche 3 grafica 3

Gráfico evolución:



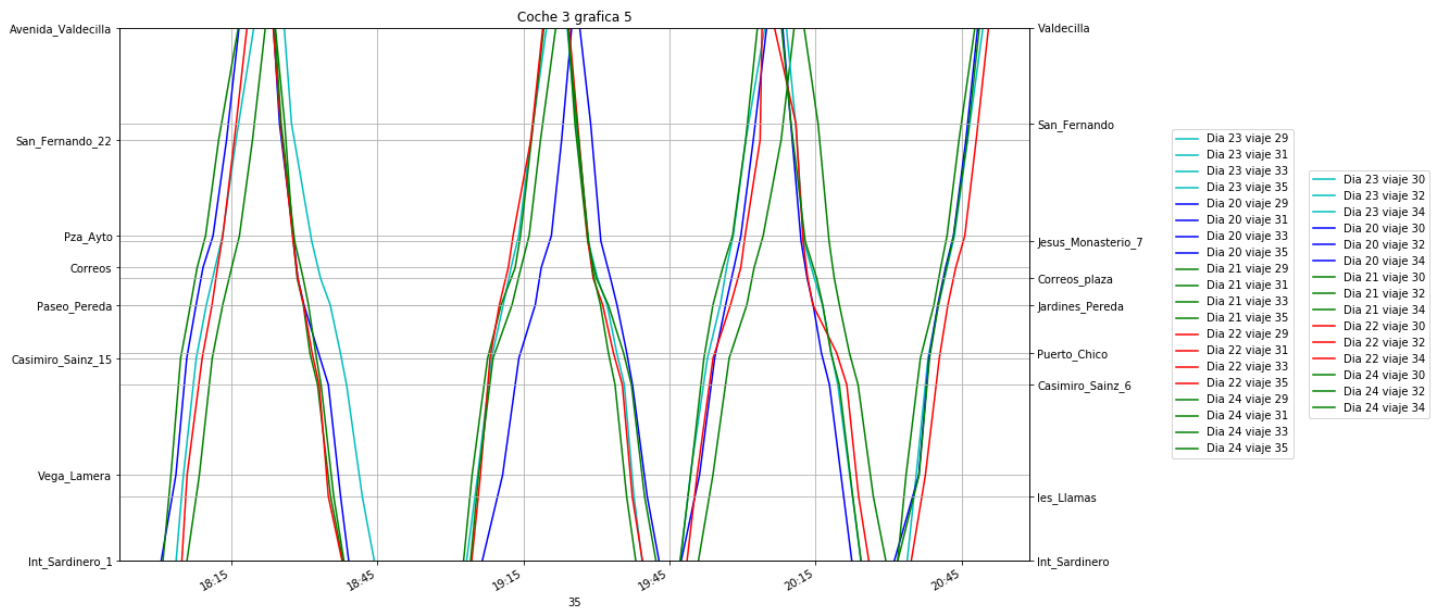
Coche 3 grafica 4

Gráfico evolución:



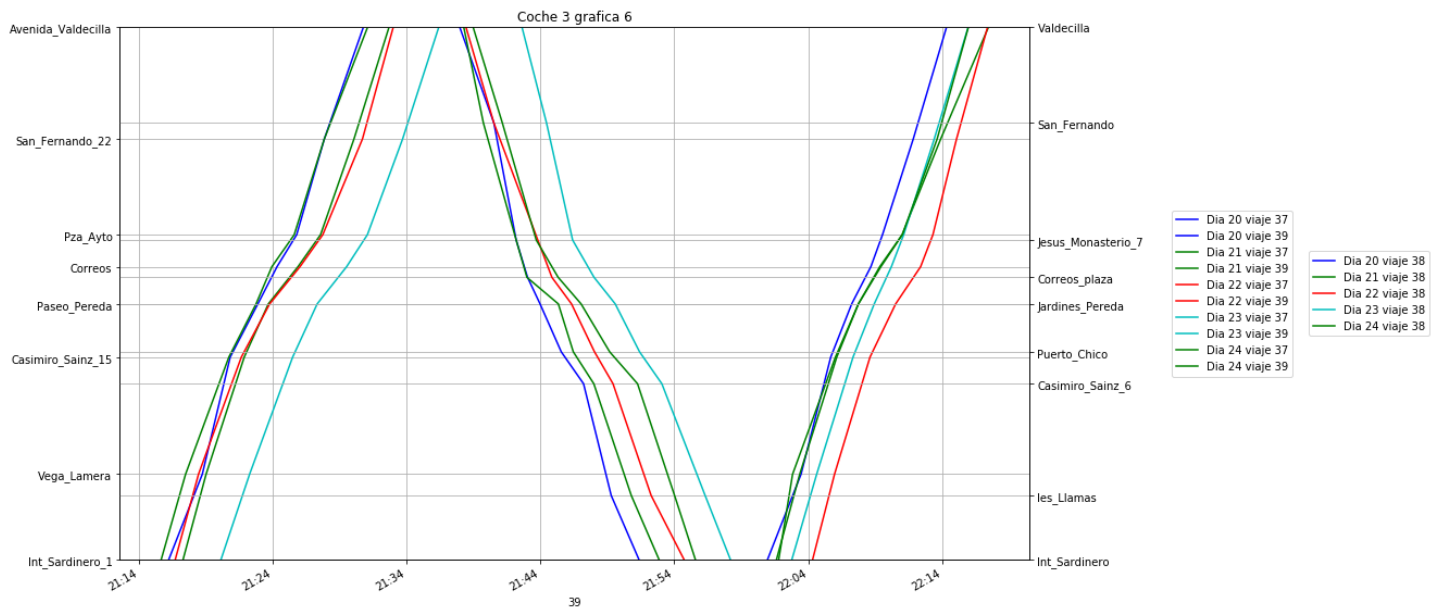
Coche 3 grafica 5

Gráfico evolución:



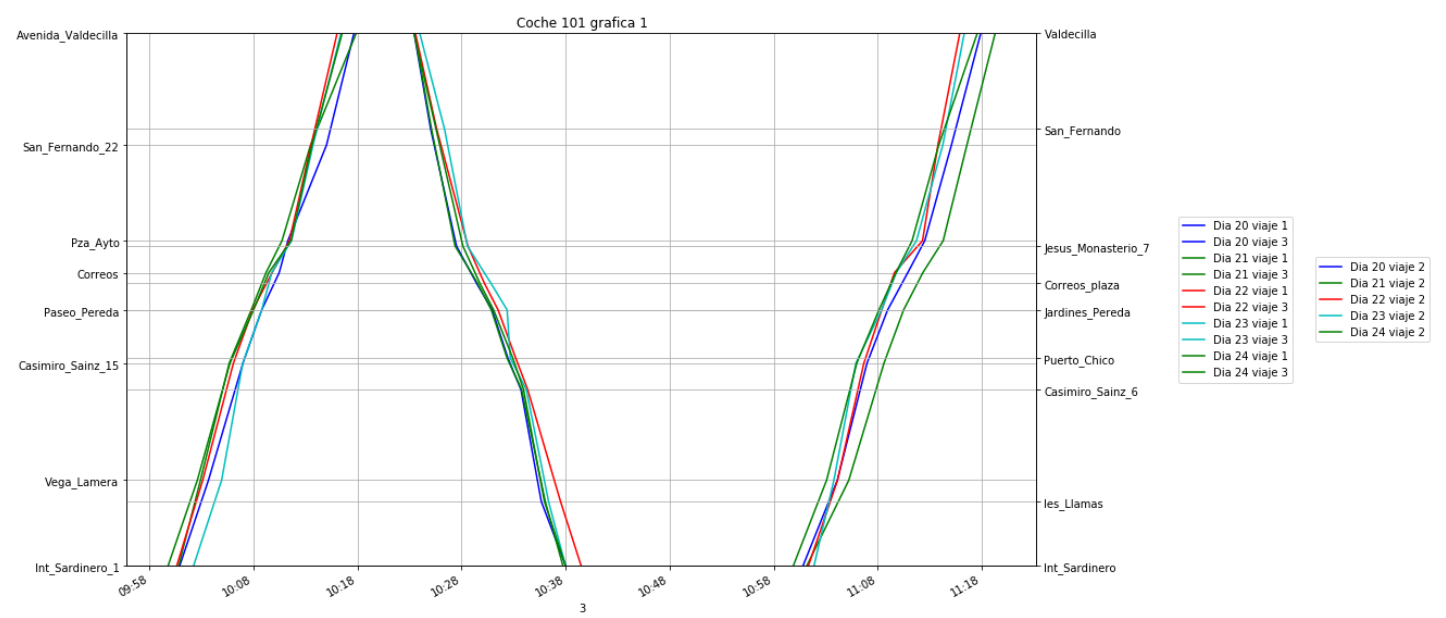
Coche 3 grafica 6

Gráfico evolución:



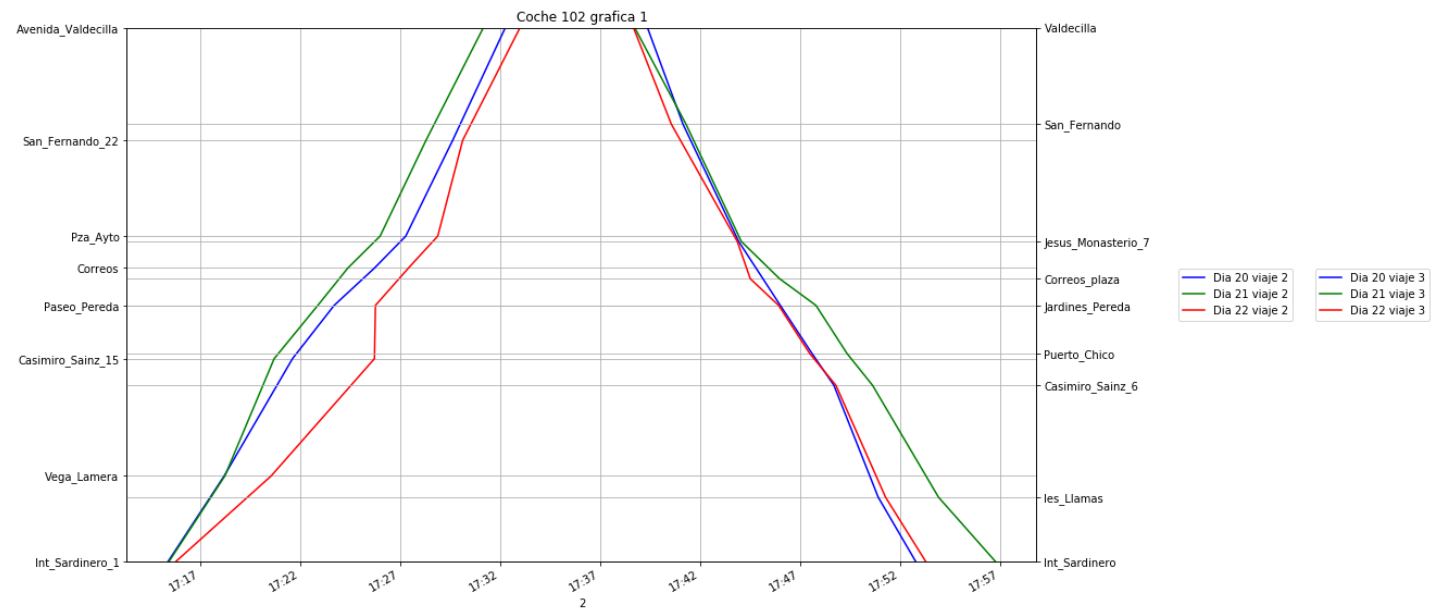
Coche 101 grafica 1

Gráfico evolución:



Coche 102 grafica 1

Gráfico evolución:



Coche 102 grafica 1

Gráfico evolución:

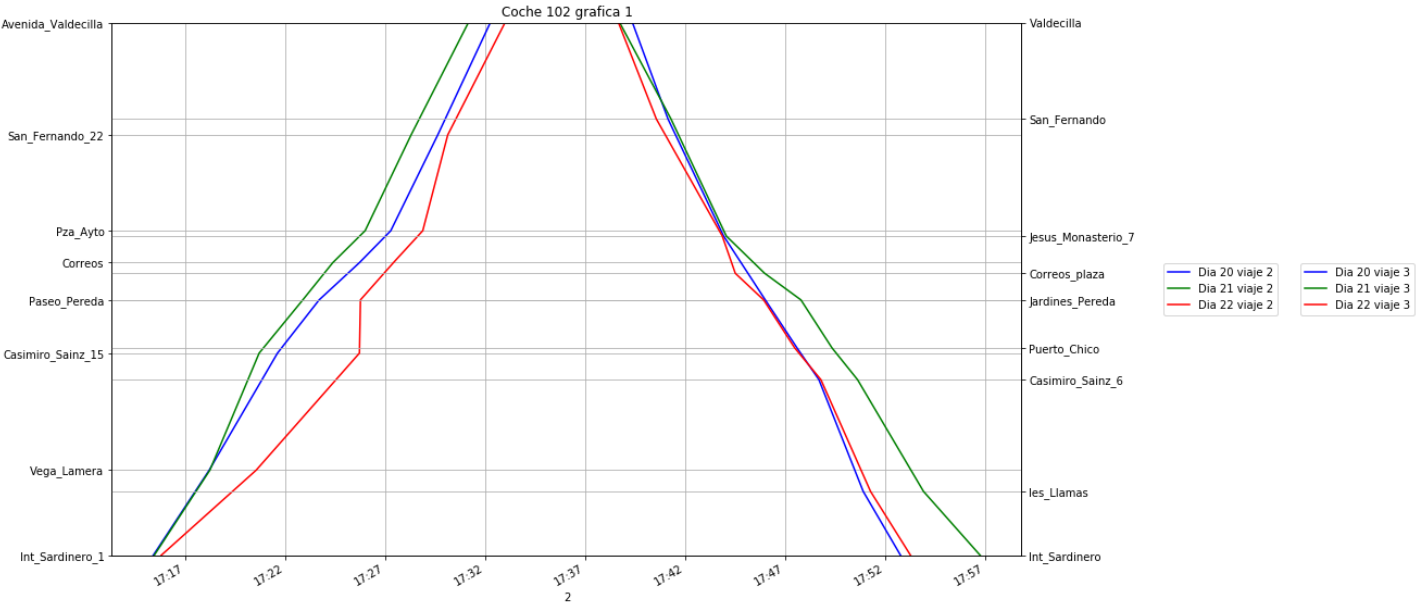


Tabla resumen velocidades y tiempos

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
0	Sardiner_ Valdecilla	15	18.833333	15.610619	NaN	NaN
0	Sardiner_ Valdecilla	17	19.383333	15.167670	NaN	NaN
0	Sardiner_ Valdecilla	19	16.200000	18.148148	NaN	NaN
0	Sardiner_ Valdecilla	23	14.733333	19.954751	NaN	NaN
0	Sardiner_ Valdecilla	25	14.500000	20.275862	NaN	NaN
0	Sardiner_ Valdecilla	27	14.250000	20.631579	NaN	NaN
0	Sardiner_ Valdecilla	31	22.200000	13.243243	NaN	NaN
0	Sardiner_ Valdecilla	33	17.683333	16.625825	NaN	NaN
0	Sardiner_ Valdecilla	35	19.183333	15.325804	NaN	NaN
0	Sardiner_ Valdecilla	37	16.216667	18.129496	NaN	NaN
0	Sardiner_ Valdecilla	39	14.900000	19.731544	NaN	NaN
1	Valdecilla_Sardiner	2	23.125000	15.737949	12.398555	8.271313
1	Valdecilla_Sardiner	3	13.075000	22.698267	1.435689	2.587086
1	Valdecilla_Sardiner	4	12.850000	23.087356	1.348731	2.645132
1	Sardiner_ Valdecilla	5	13.625000	21.686257	1.083590	1.817594
1	Sardiner_ Valdecilla	7	14.063333	20.975738	0.923565	1.340579
1	Valdecilla_Sardiner	8	15.137500	19.480337	0.948525	1.243593
1	Sardiner_ Valdecilla	9	14.470000	20.375986	0.864533	1.217588
1	Valdecilla_Sardiner	10	17.550000	17.058812	2.732080	2.629689
1	Sardiner_ Valdecilla	11	15.463333	19.070195	0.979044	1.135728
1	Valdecilla_Sardiner	12	17.666667	16.874312	2.315327	2.375235
1	Sardiner_ Valdecilla	13	18.016667	16.500812	2.095200	1.976098
1	Valdecilla_Sardiner	14	16.263333	18.152154	1.177474	1.290724
1	Sardiner_ Valdecilla	15	16.353333	18.100987	1.518561	1.658266
1	Valdecilla_Sardiner	16	16.829167	17.561433	1.424935	1.447368
1	Sardiner_ Valdecilla	17	16.990000	17.901415	3.909561	3.257915
1	Valdecilla_Sardiner	18	17.430000	17.186384	2.472780	2.826959
1	Sardiner_ Valdecilla	19	15.404167	19.136393	0.897669	1.159549
1	Valdecilla_Sardiner	20	17.026667	17.615194	2.785119	2.683212
1	Sardiner_ Valdecilla	21	14.150000	20.802502	0.554902	0.800676
1	Valdecilla_Sardiner	22	14.695833	20.070941	0.940191	1.360778
1	Sardiner_ Valdecilla	23	13.583333	21.688448	0.717893	1.117510
1	Valdecilla_Sardiner	24	15.030000	19.632476	1.037184	1.298316
1	Sardiner_ Valdecilla	25	13.916667	21.202376	0.959842	1.483532
1	Valdecilla_Sardiner	26	17.563333	17.011746	2.352404	2.557447
1	Sardiner_ Valdecilla	27	14.436667	20.501728	1.280592	1.931909
1	Sardiner_ Valdecilla	29	16.170000	18.648862	2.782120	3.436158
1	Valdecilla_Sardiner	30	17.537500	16.923592	1.970400	1.900724
1	Sardiner_ Valdecilla	31	16.200000	18.237606	1.273610	1.426045
1	Valdecilla_Sardiner	32	16.775000	17.640431	1.497683	1.708867
1	Sardiner_ Valdecilla	33	18.086667	16.367269	1.727530	1.471701
1	Valdecilla_Sardiner	34	16.800000	17.530654	0.828542	0.828879
1	Valdecilla_Sardiner	36	17.316667	17.305875	2.753357	2.607382
1	Sardiner_ Valdecilla	37	16.263333	18.511708	2.924357	3.060587
1	Valdecilla_Sardiner	38	15.116667	19.713669	1.987286	2.529952
2	Sardiner_ Valdecilla	0	16.900000	17.396450	NaN	NaN
2	Sardiner_ Valdecilla	2	12.316667	23.949346	0.764490	1.597162
2	Valdecilla_Sardiner	3	12.795833	23.275584	1.644935	3.112924
2	Sardiner_ Valdecilla	4	12.540000	23.514217	0.777067	1.397624
2	Valdecilla_Sardiner	5	13.425000	21.902739	0.191243	0.308675

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
2	Sardinero_Valdecilla	6	13.716667	21.439551	0.275379	0.431292
2	Valdecilla_Sardinero	7	14.513333	20.437532	1.493570	2.190739
2	Sardinero_Valdecilla	8	13.303333	22.158694	0.782748	1.254297
2	Valdecilla_Sardinero	9	14.391667	20.774877	2.628080	3.793726
2	Sardinero_Valdecilla	10	14.891667	19.832193	1.140054	1.562455
2	Valdecilla_Sardinero	11	15.700000	18.753504	0.848528	1.013559
2	Sardinero_Valdecilla	12	16.466667	18.086625	2.100397	2.435714
2	Sardinero_Valdecilla	14	16.908333	17.501417	1.619642	1.583321
2	Valdecilla_Sardinero	15	17.912500	16.670153	2.677941	2.302442
2	Sardinero_Valdecilla	16	16.891667	17.572354	1.961788	1.927552
2	Valdecilla_Sardinero	17	15.912500	18.591864	1.447947	1.701714
2	Sardinero_Valdecilla	18	15.429167	19.475195	2.817780	3.077378
2	Valdecilla_Sardinero	19	15.583333	18.940261	1.097155	1.314693
2	Sardinero_Valdecilla	20	14.436667	20.480228	1.209247	1.724980
2	Sardinero_Valdecilla	22	13.606667	21.710395	1.037733	1.695631
2	Valdecilla_Sardinero	23	14.663333	20.089108	0.725661	0.987835
2	Sardinero_Valdecilla	24	13.483333	22.025413	1.473281	2.540600
2	Valdecilla_Sardinero	25	14.625000	20.124810	0.566748	0.765563
2	Sardinero_Valdecilla	26	13.695833	21.604596	1.291308	1.958018
2	Valdecilla_Sardinero	27	16.766667	17.668340	1.835756	1.830285
2	Valdecilla_Sardinero	29	15.573333	18.919819	0.793603	1.016039
2	Sardinero_Valdecilla	30	15.710000	18.755606	0.821635	0.990613
2	Valdecilla_Sardinero	31	16.712500	17.663166	1.191822	1.338458
2	Sardinero_Valdecilla	32	16.486667	18.069879	2.063923	2.375664
2	Valdecilla_Sardinero	33	16.873333	17.512015	1.386372	1.341462
2	Sardinero_Valdecilla	34	16.270000	18.127688	1.049563	1.117398
2	Valdecilla_Sardinero	35	17.105556	17.216920	0.866720	0.874333
2	Sardinero_Valdecilla	36	16.362500	18.027468	1.111920	1.169274
2	Valdecilla_Sardinero	37	16.261111	18.480194	2.916683	3.365142
2	Sardinero_Valdecilla	38	14.854167	19.837919	0.812105	1.110495
2	Valdecilla_Sardinero	39	15.113333	19.942958	2.920031	3.183763
3	Valdecilla_Sardinero	2	18.260000	18.146583	7.692904	6.165033
3	Sardinero_Valdecilla	3	13.260000	22.185406	0.362016	0.616480
3	Valdecilla_Sardinero	4	12.223333	24.095228	0.577422	1.134770
3	Sardinero_Valdecilla	5	12.363333	23.921239	1.055501	2.069327
3	Valdecilla_Sardinero	6	13.020000	22.846314	1.524904	2.855449
3	Sardinero_Valdecilla	7	13.012500	22.666696	0.865638	1.465365
3	Valdecilla_Sardinero	8	13.629167	21.816306	1.768258	2.518132
3	Sardinero_Valdecilla	9	16.487500	17.895206	1.119885	1.247872
3	Valdecilla_Sardinero	10	24.005556	14.952064	14.256425	6.938409
3	Sardinero_Valdecilla	11	15.495833	19.074624	1.355467	1.552299
3	Valdecilla_Sardinero	12	16.490000	17.999839	1.870665	1.886678
3	Valdecilla_Sardinero	14	17.666667	16.836546	2.174984	1.981539
3	Sardinero_Valdecilla	15	17.063333	17.402773	1.943379	1.903889
3	Valdecilla_Sardinero	16	17.086667	17.277502	1.260313	1.207249
3	Sardinero_Valdecilla	17	17.050000	17.337005	1.422146	1.406815
3	Valdecilla_Sardinero	18	17.433333	16.940937	1.281221	1.306733
3	Sardinero_Valdecilla	19	14.691667	20.110030	1.195555	1.620836
3	Valdecilla_Sardinero	20	15.043333	19.784472	1.919006	2.371657
3	Sardinero_Valdecilla	21	12.508333	23.531497	0.601041	1.130717
3	Valdecilla_Sardinero	22	14.360000	20.559867	1.038134	1.497003
3	Sardinero_Valdecilla	23	13.343333	22.256311	1.459290	2.554954
3	Valdecilla_Sardinero	24	14.743333	19.982087	0.738486	1.020300
3	Sardinero_Valdecilla	25	13.633333	21.782808	1.680030	2.660338
3	Valdecilla_Sardinero	26	15.713333	18.837031	1.522626	1.637217
3	Sardinero_Valdecilla	27	13.830000	21.447181	1.433304	2.282831
3	Valdecilla_Sardinero	28	16.023333	18.662468	2.378830	2.665174
3	Sardinero_Valdecilla	29	15.346667	19.251078	1.142451	1.576128
3	Valdecilla_Sardinero	30	15.200000	19.562649	1.916014	2.191827
3	Sardinero_Valdecilla	31	16.640000	17.773080	1.404388	1.556874
3	Valdecilla_Sardinero	32	15.716667	18.845028	1.533288	1.784783
3	Sardinero_Valdecilla	33	17.123333	17.294954	1.660430	1.621325
3	Valdecilla_Sardinero	34	16.356667	18.169207	1.939165	2.066128
3	Sardinero_Valdecilla	35	16.196667	18.176241	0.667645	0.738794
3	Sardinero_Valdecilla	37	15.576667	18.908052	0.729212	0.899563
3	Valdecilla_Sardinero	38	15.283333	19.356049	1.314714	1.738235
3	Sardinero_Valdecilla	39	13.920000	21.229098	1.153642	1.636901
101	Sardinero_Valdecilla	1	16.010000	18.453731	1.218184	1.483454
101	Valdecilla_Sardinero	2	14.653333	20.103031	0.742780	0.970574
101	Sardinero_Valdecilla	3	16.356667	18.145002	1.748237	1.997345
102	Sardinero_Valdecilla	2	16.543333	17.816195	0.920643	1.004058
102	Valdecilla_Sardinero	3	15.338889	19.465170	2.395385	2.870616
102	Sardinero_Valdecilla	4	34.529167	13.983070	35.219175	7.278054