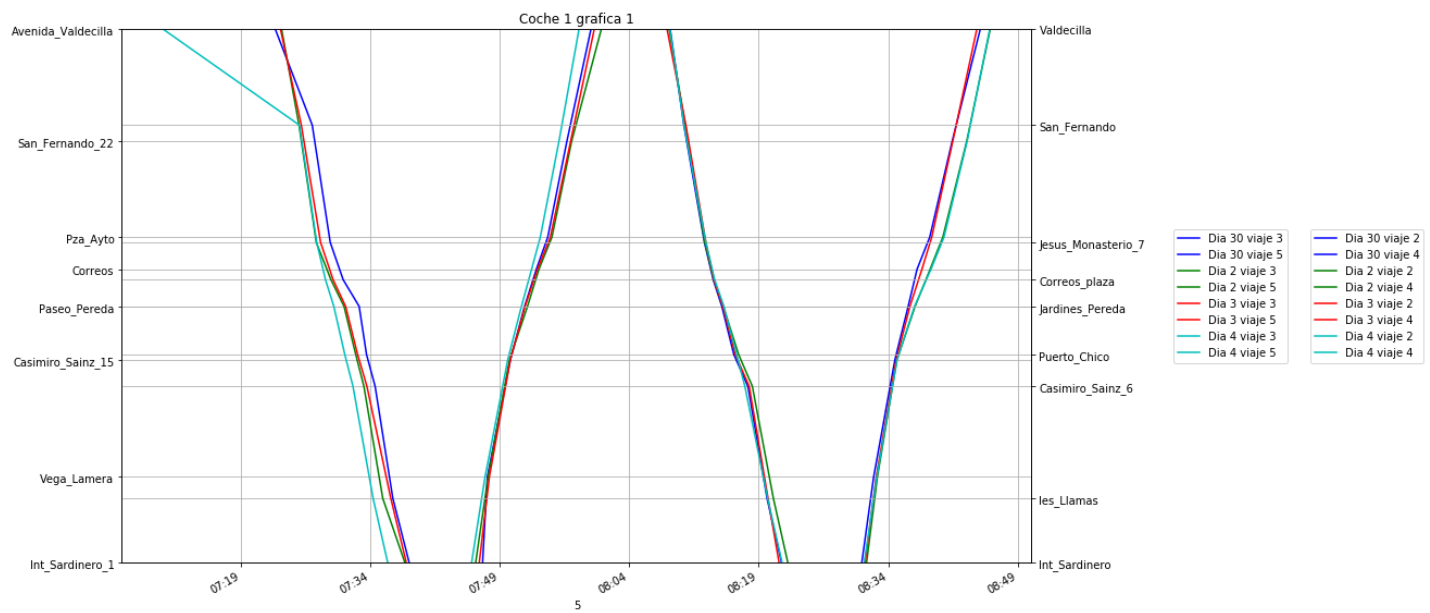


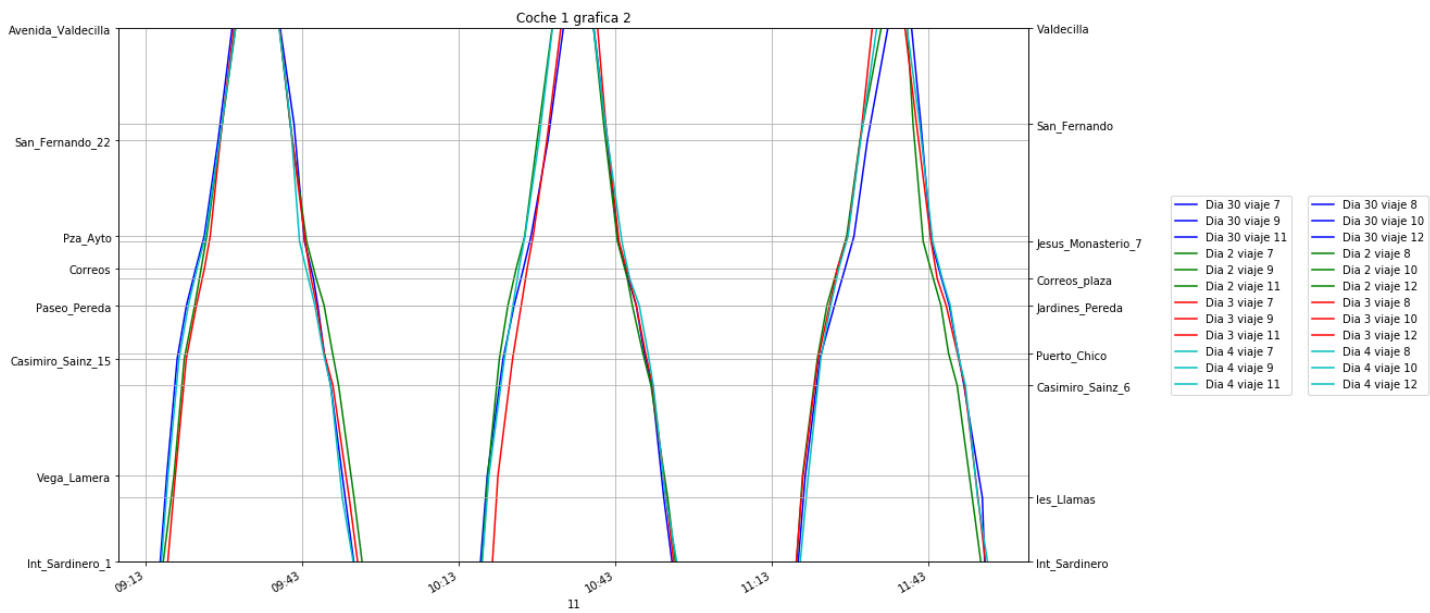
Coche 1 grafica 1

Gráfico evolución:



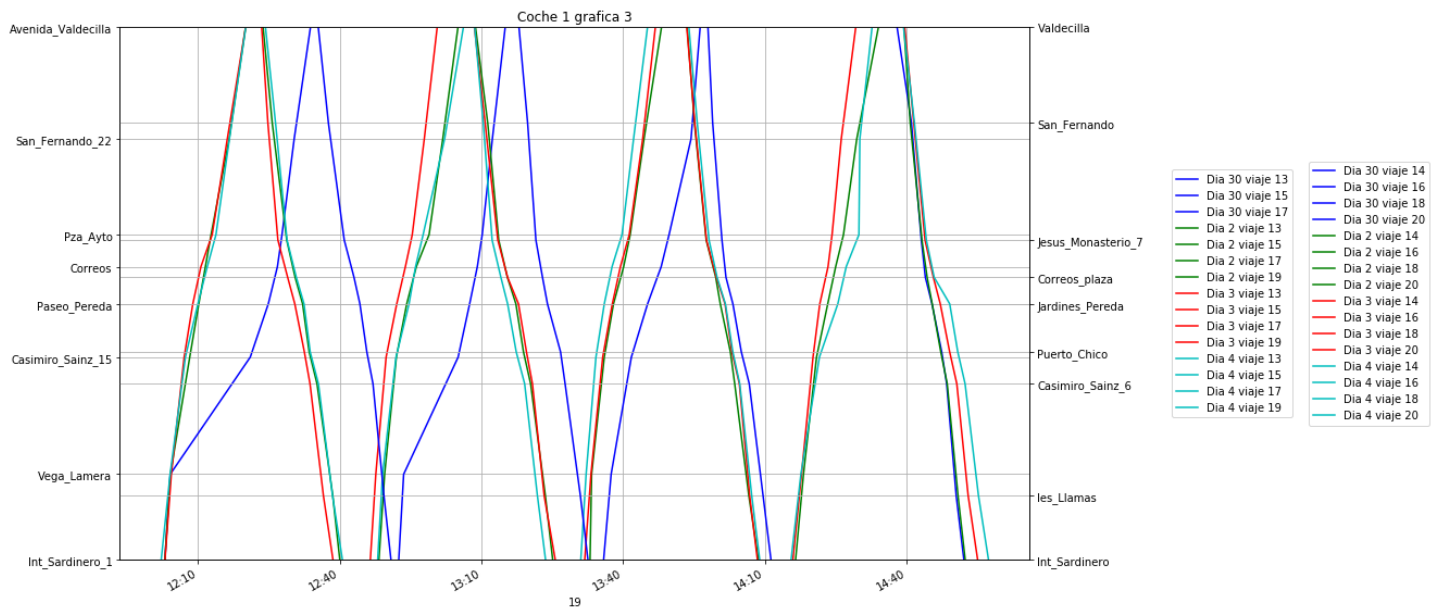
Coche 1 grafica 2

Gráfico evolución:



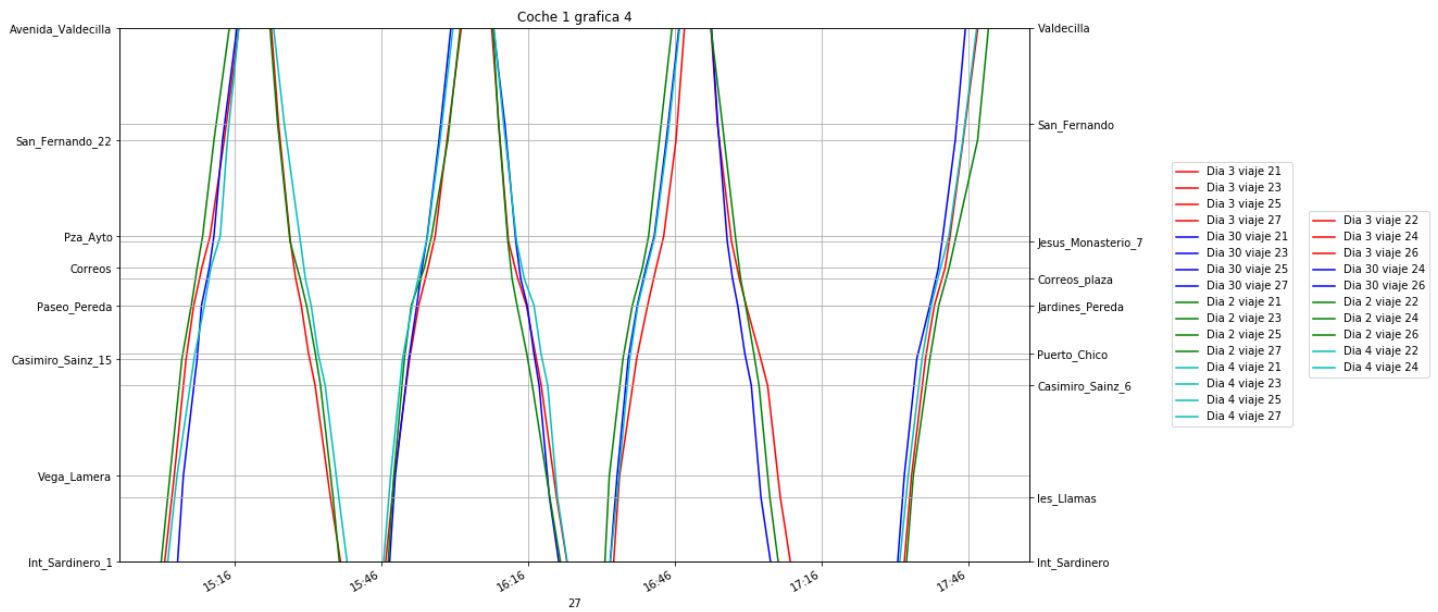
Coche 1 grafica 3

Gráfico evolución:



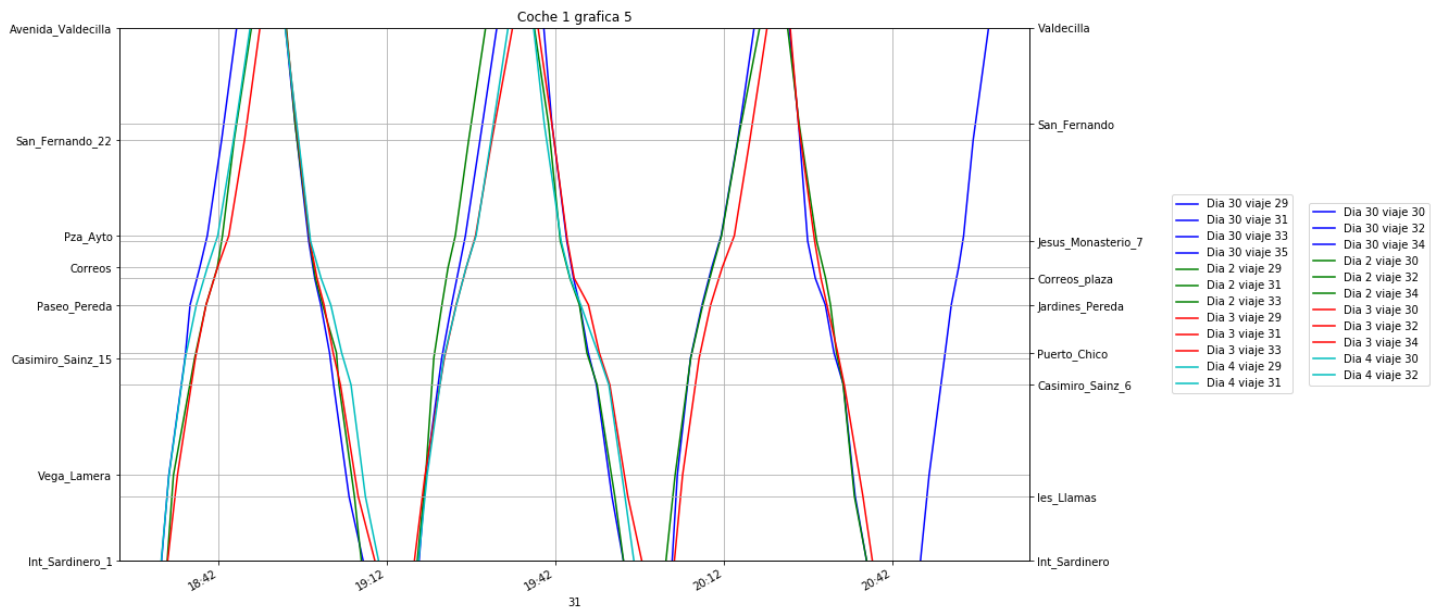
Coche 1 grafica 4

Gráfico evolución:



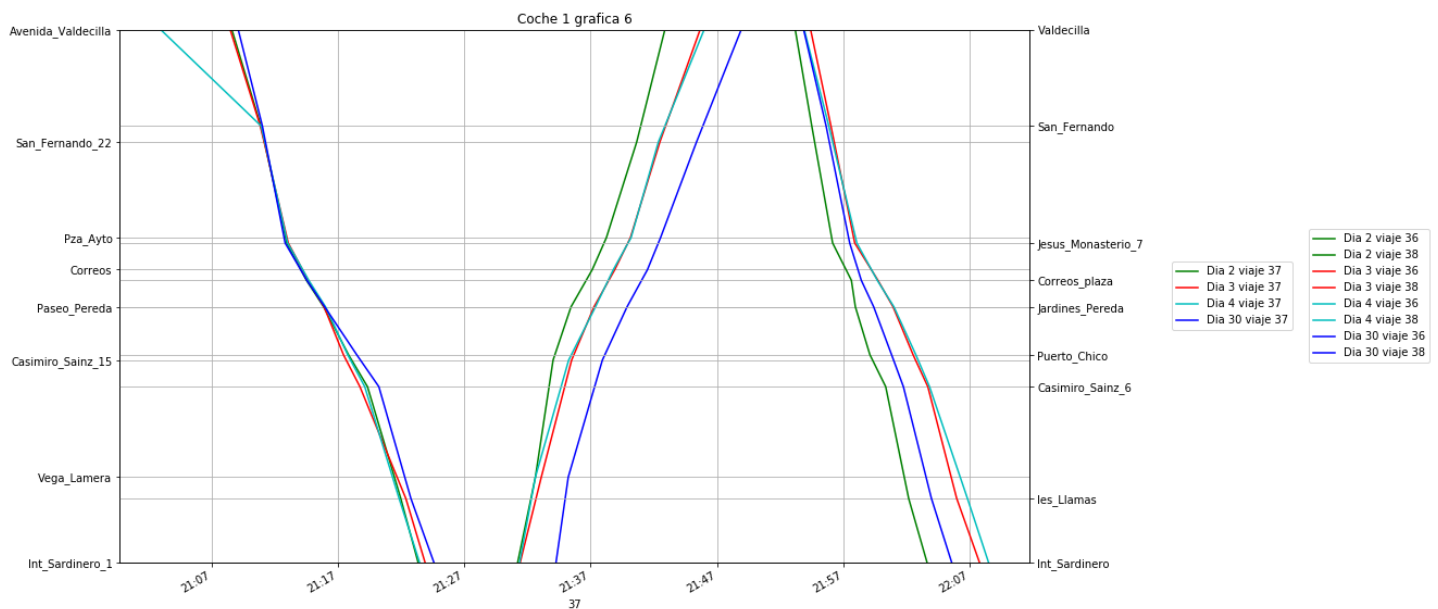
Coche 1 grafica 5

Gráfico evolución:



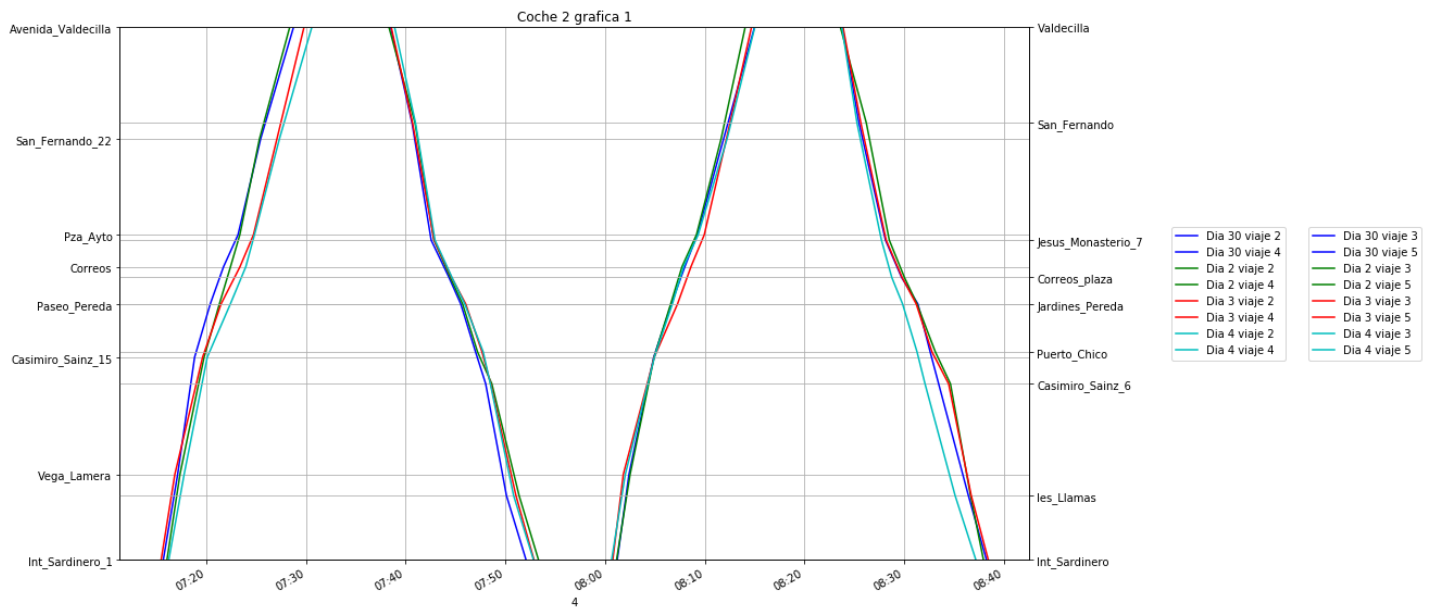
Coche 1 grafica 6

Gráfico evolución:



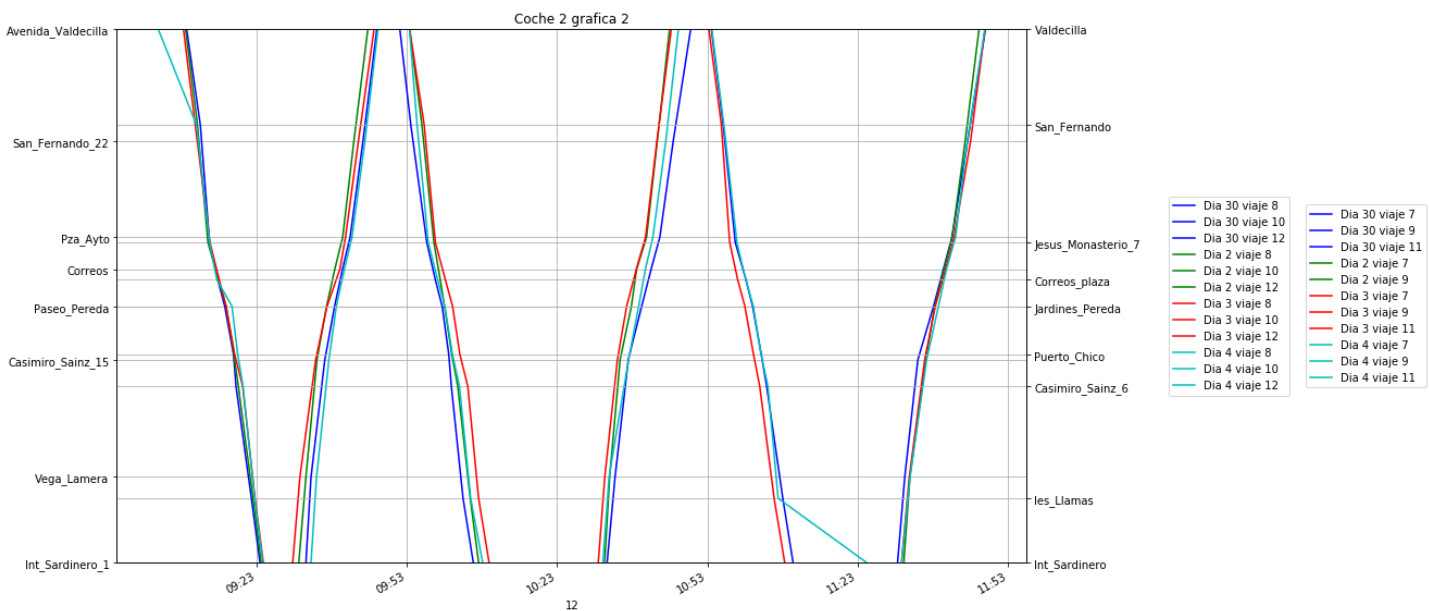
Coche 2 grafica 1

Gráfico evolución:



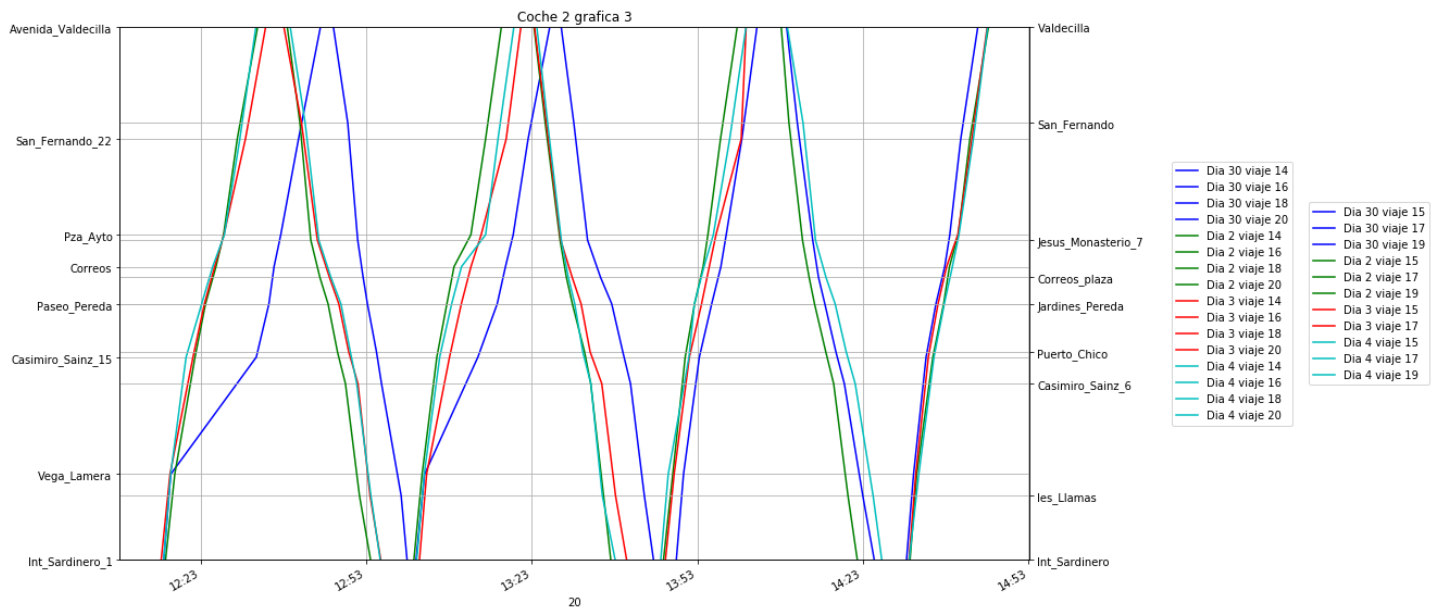
Coche 2 grafica 2

Gráfico evolución:



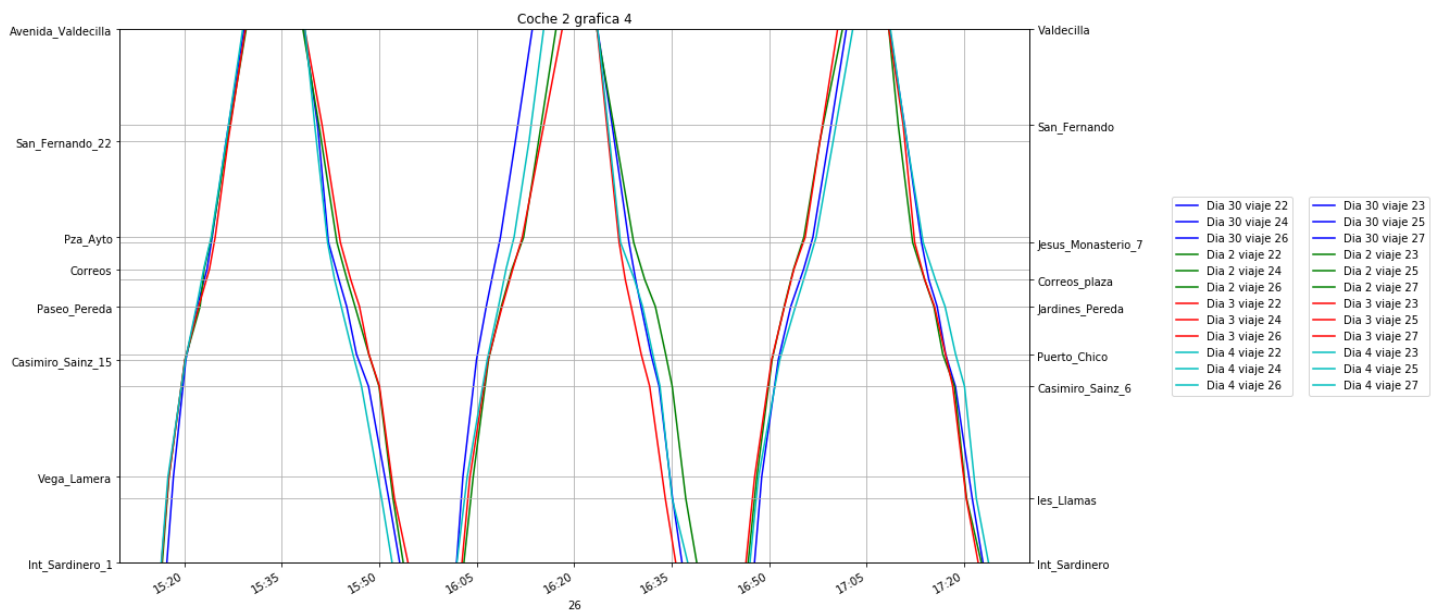
Coche 2 grafica 3

Gráfico evolución:



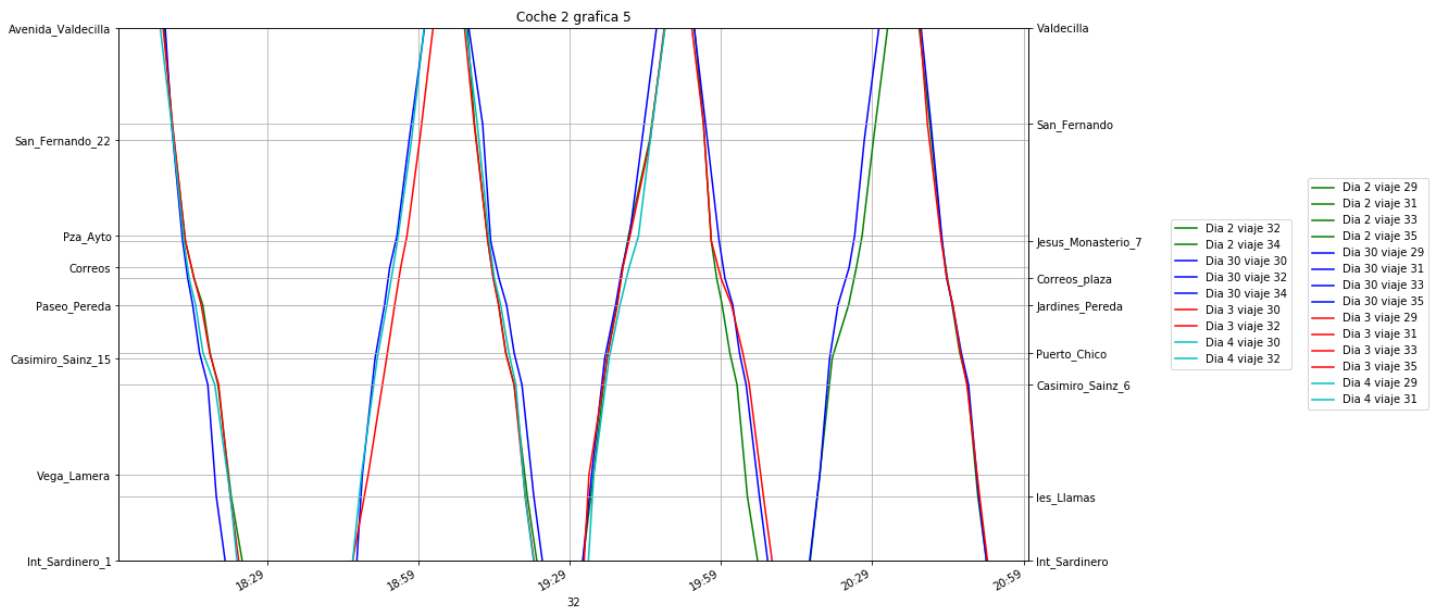
Coche 2 grafica 4

Gráfico evolución:



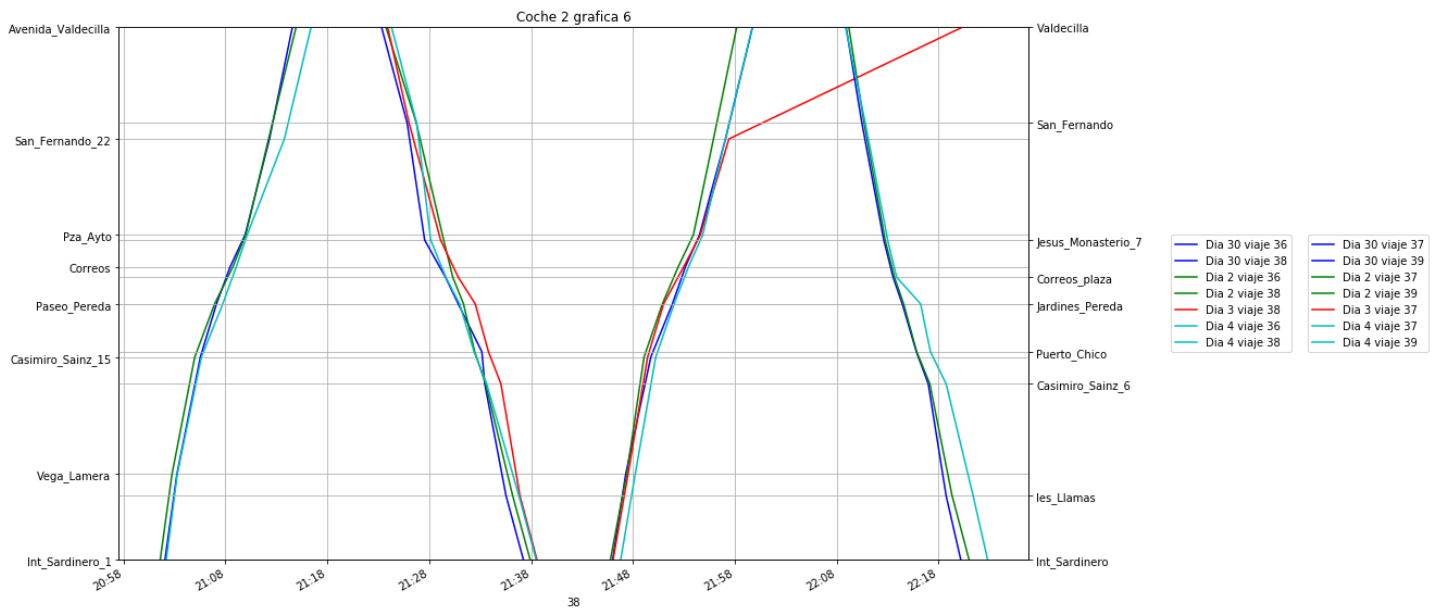
Coche 2 grafica 5

Gráfico evolución:



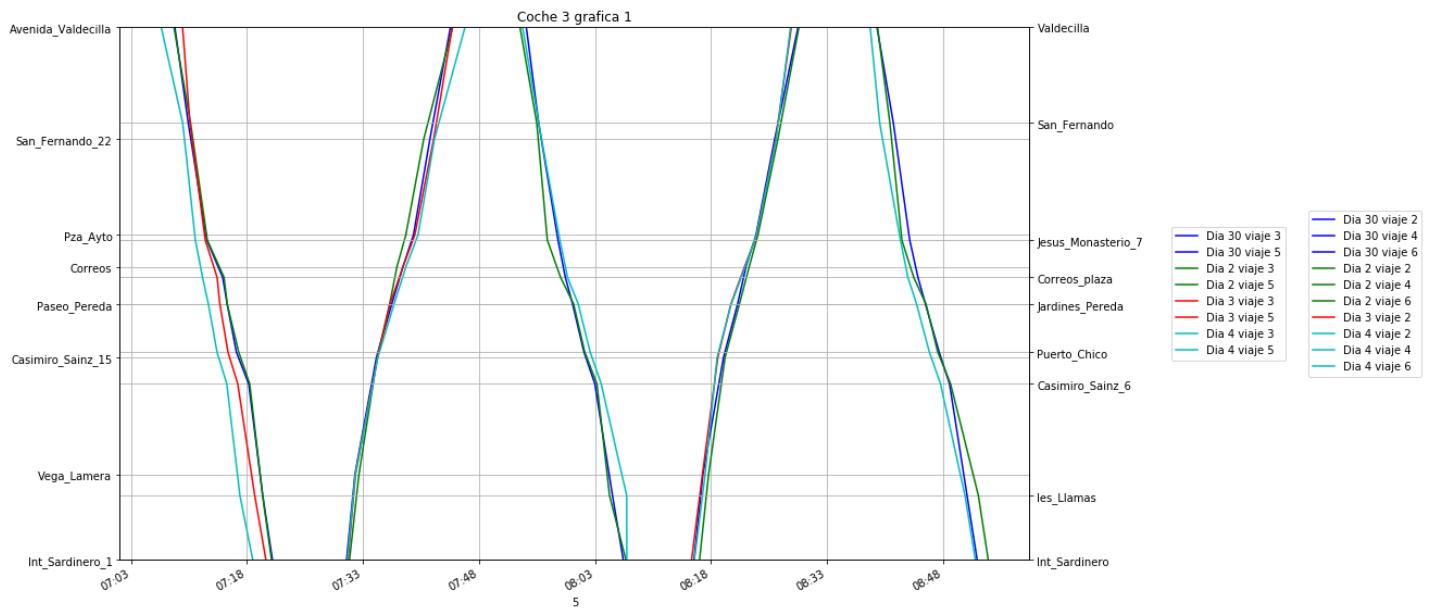
Coche 2 grafica 6

Gráfico evolución:



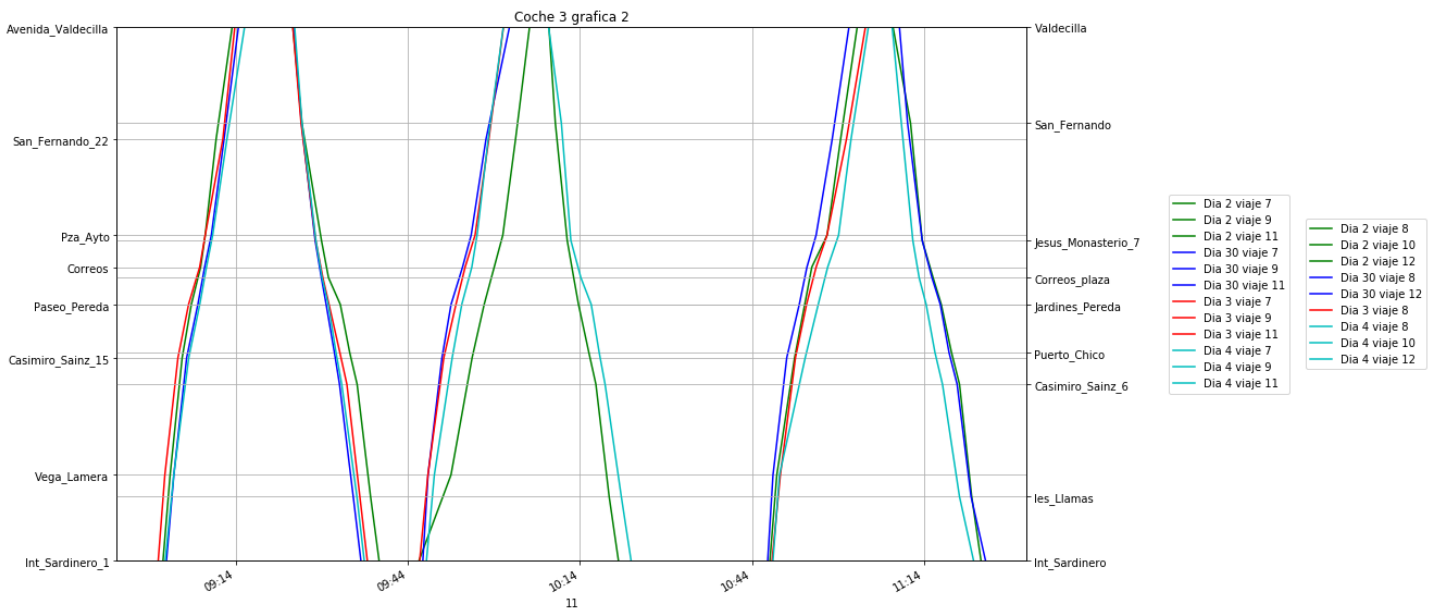
Coche 3 grafica 1

Gráfico evolución:



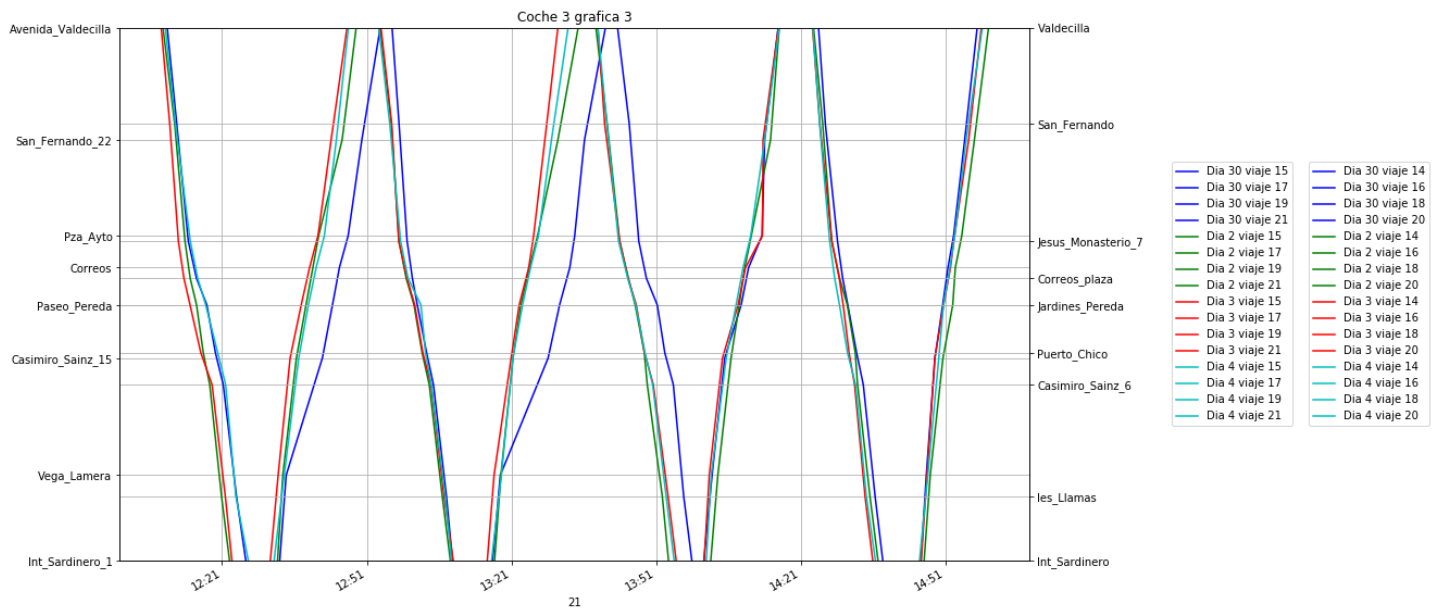
Coche 3 grafica 2

Gráfico evolución:



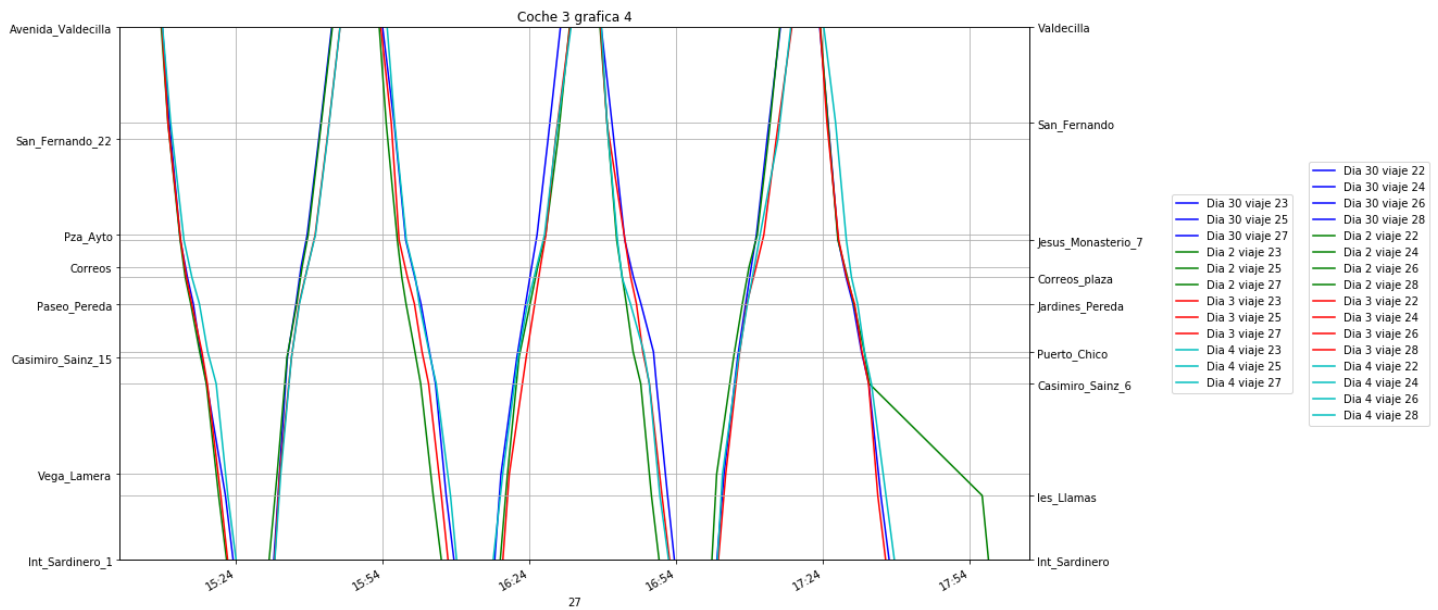
Coche 3 grafica 3

Gráfico evolución:



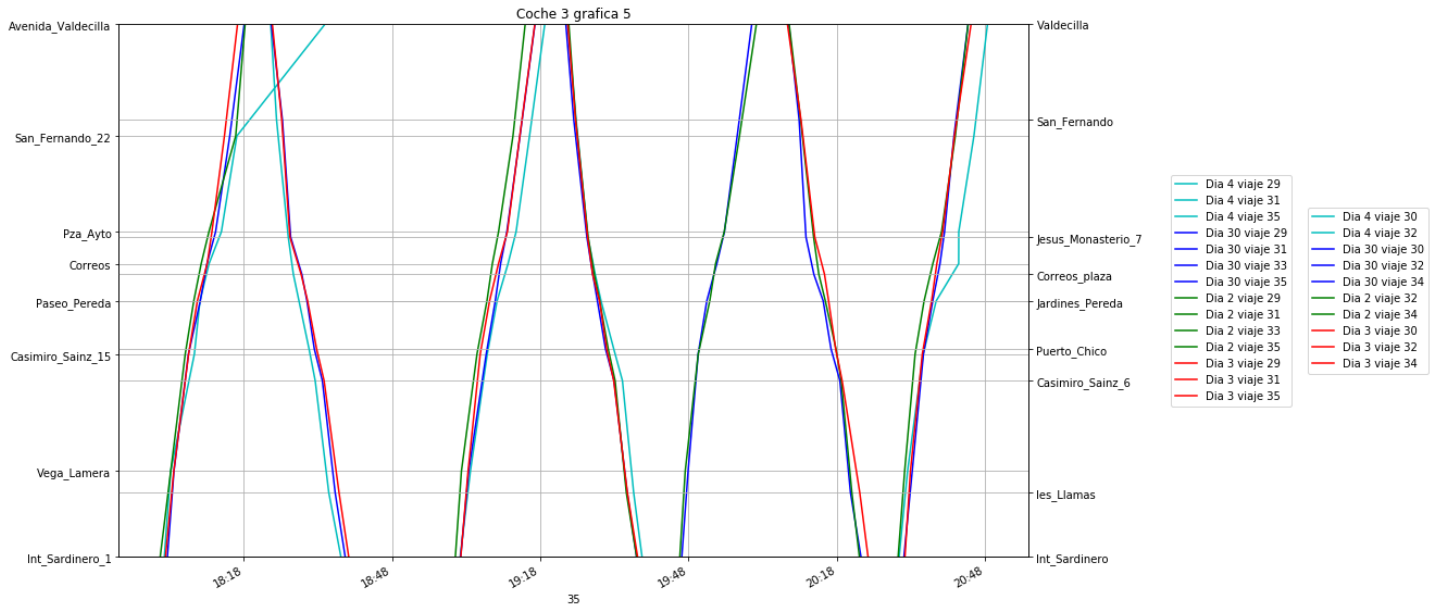
Coche 3 grafica 4

Gráfico evolución:



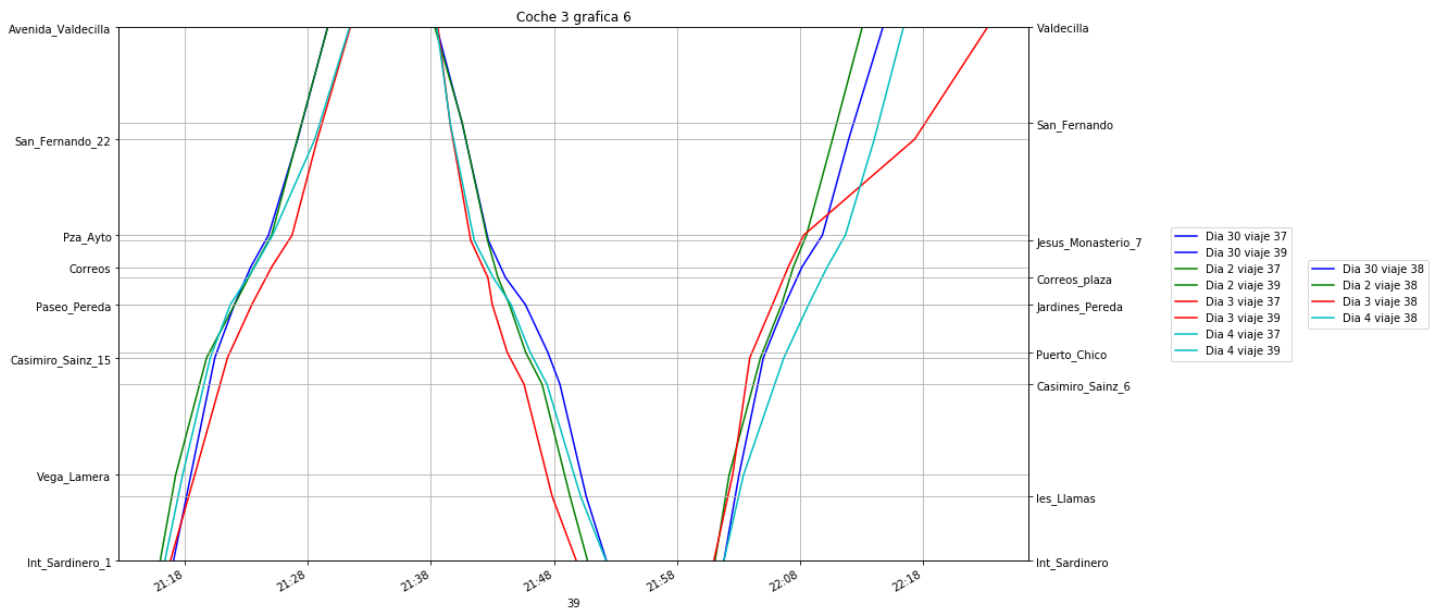
Coche 3 grafica 5

Gráfico evolución:



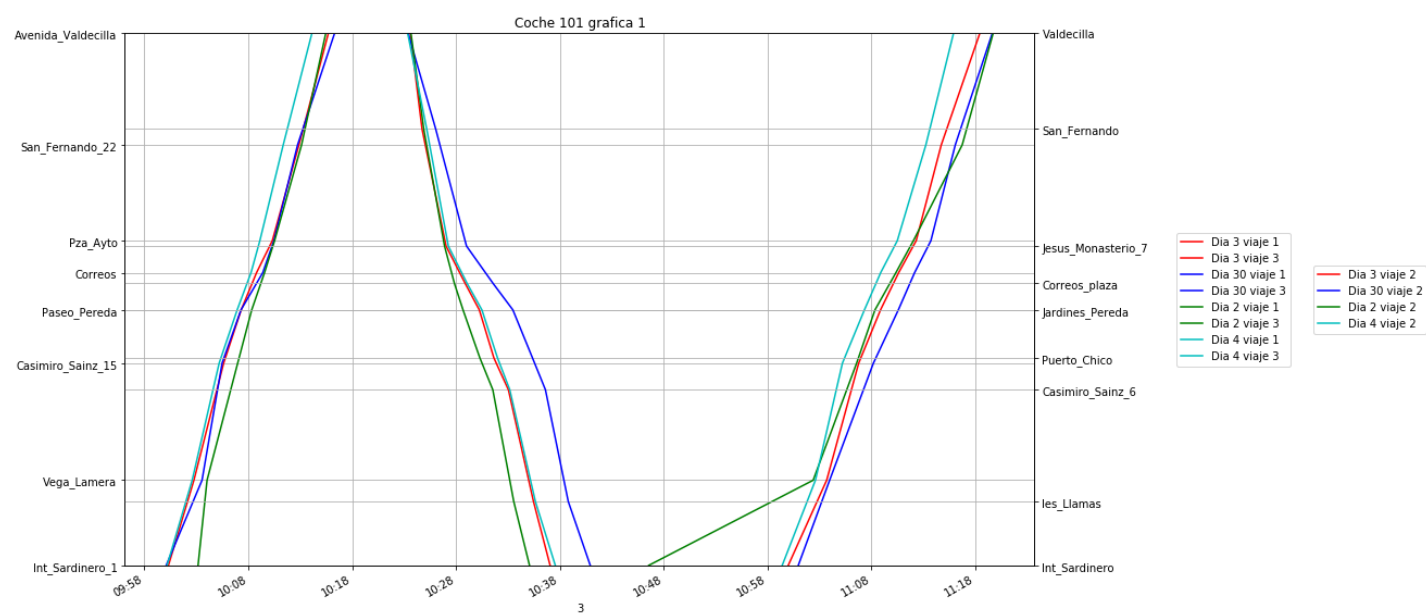
Coche 3 grafica 6

Gráfico evolución:



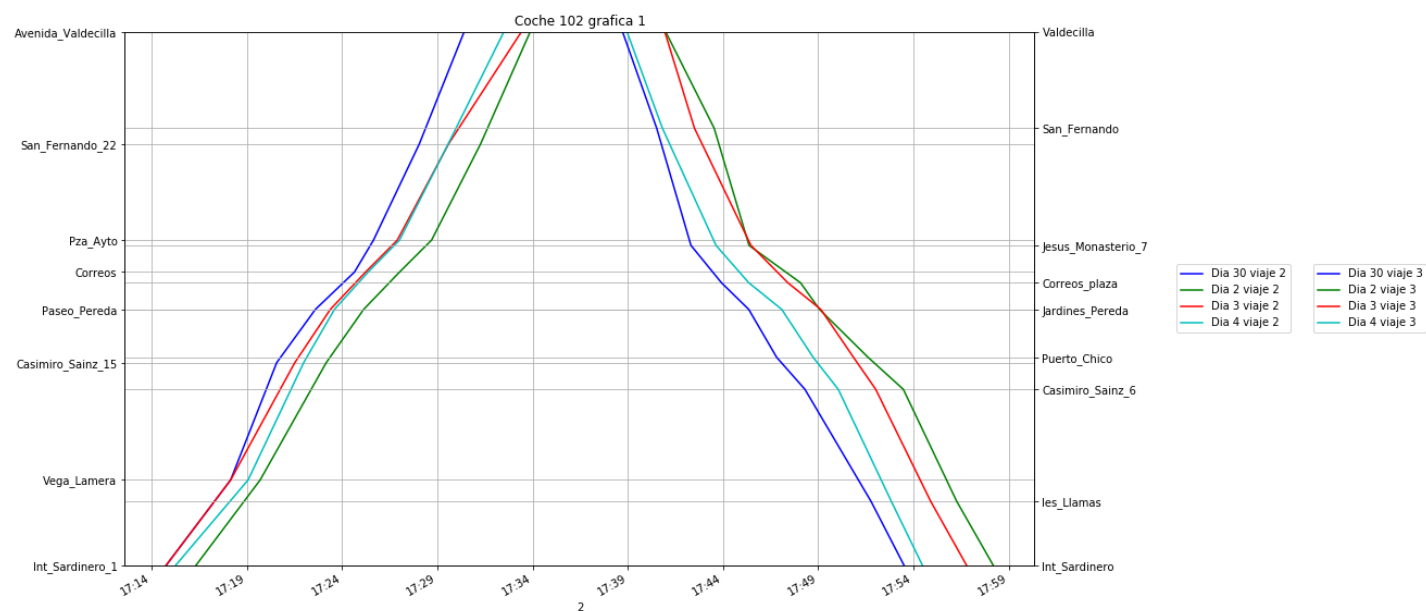
Coche 101 grafica 1

Gráfico evolución:



Coche 102 grafica 1

Gráfico evolución:



Coche 102 grafica 1

Gráfico evolución:

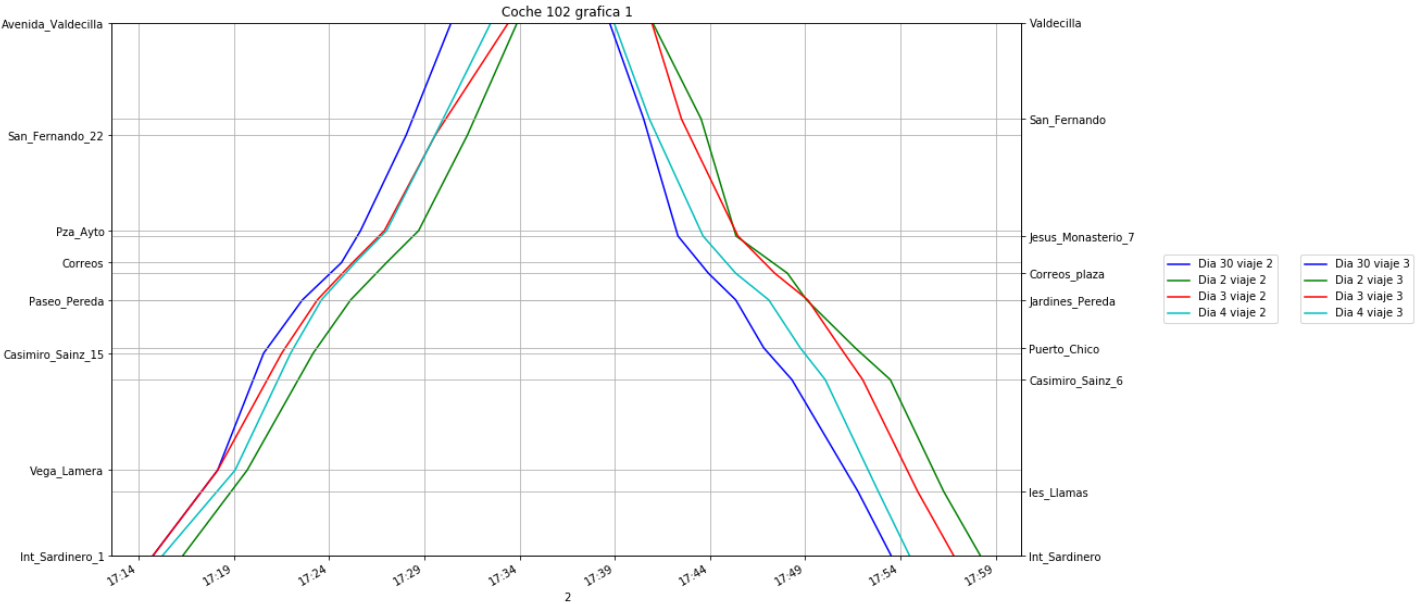


Tabla resumen velocidades y tiempos

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
1	Valdecilla_Sardiner	2	17.583333	18.129076	5.635634	4.450591
1	Sardiner_Valdecilla	3	13.212500	22.794946	0.973955	1.614265
1	Valdecilla_Sardiner	4	13.145833	22.836719	0.405146	0.683546
1	Sardiner_Valdecilla	5	13.875000	21.665970	0.716537	1.145554
1	Sardiner_Valdecilla	7	13.608333	22.088074	0.678028	1.144655
1	Valdecilla_Sardiner	8	14.754167	20.378117	0.808791	1.092045
1	Sardiner_Valdecilla	9	13.954167	21.623680	1.275145	1.820476
1	Valdecilla_Sardiner	10	15.270833	19.670149	0.625296	0.809552
1	Sardiner_Valdecilla	11	15.633333	19.284397	1.275699	1.547250
1	Valdecilla_Sardiner	12	14.720833	20.423967	0.794935	1.103346
1	Sardiner_Valdecilla	13	20.720833	15.404188	6.741571	3.798315
1	Valdecilla_Sardiner	14	15.745833	19.073842	0.604669	0.735524
1	Sardiner_Valdecilla	15	17.891667	17.243059	3.509682	3.270508
1	Valdecilla_Sardiner	16	15.758333	19.114788	1.161536	1.398097
1	Sardiner_Valdecilla	17	16.158333	18.956012	2.884136	2.916867
1	Valdecilla_Sardiner	18	14.587500	20.619660	0.838028	1.255822
1	Sardiner_Valdecilla	19	15.988889	19.058795	2.337219	3.035585
1	Valdecilla_Sardiner	20	15.120833	20.133503	2.157861	2.754213
1	Sardiner_Valdecilla	21	13.920833	21.701465	1.301308	2.157871
1	Valdecilla_Sardiner	22	14.433333	20.800942	0.490748	0.693636
1	Sardiner_Valdecilla	23	14.225000	21.218567	1.248740	1.961776
1	Valdecilla_Sardiner	24	14.362500	20.958184	0.960553	1.405223
1	Sardiner_Valdecilla	25	14.100000	21.284656	0.316228	0.479244
1	Valdecilla_Sardiner	26	14.005556	21.737978	2.095056	3.199144
1	Sardiner_Valdecilla	27	15.337500	19.655161	1.225680	1.592342
1	Sardiner_Valdecilla	29	15.145833	19.926896	1.323742	1.825450
1	Valdecilla_Sardiner	30	14.900000	20.303610	1.575448	2.137729
1	Sardiner_Valdecilla	31	14.845833	20.595532	2.334102	3.305815
1	Valdecilla_Sardiner	32	16.583333	18.287730	1.953013	2.238558
1	Sardiner_Valdecilla	33	15.911111	18.923877	1.153537	1.430329
1	Valdecilla_Sardiner	34	14.144444	21.223237	0.438537	0.653047
1	Sardiner_Valdecilla	35	12.116667	24.759285	NaN	NaN
1	Valdecilla_Sardiner	36	16.504167	18.486004	2.641281	2.575254
1	Sardiner_Valdecilla	37	13.766667	21.990632	1.434302	2.545725
1	Valdecilla_Sardiner	38	12.508333	24.376975	1.823331	3.609886
2	Sardiner_Valdecilla	2	13.500000	22.315895	1.000648	1.686072
2	Valdecilla_Sardiner	3	14.191667	21.167794	0.606828	0.893078
2	Sardiner_Valdecilla	4	13.720833	21.898185	0.613788	1.002704
2	Valdecilla_Sardiner	5	14.183333	21.173564	0.518724	0.801306
2	Valdecilla_Sardiner	7	16.629167	18.399378	2.876867	2.771004
2	Sardiner_Valdecilla	8	14.379167	20.979391	1.276814	1.741503
2	Valdecilla_Sardiner	9	14.716667	20.436243	0.857321	1.173048
2	Sardiner_Valdecilla	10	14.812500	20.418123	1.530999	2.135900
2	Valdecilla_Sardiner	11	20.733333	16.003217	8.737483	5.470276
2	Sardiner_Valdecilla	12	16.445833	18.300125	1.054740	1.215944
2	Sardiner_Valdecilla	14	20.154167	15.607707	5.574568	3.500046
2	Valdecilla_Sardiner	15	15.554167	19.486379	1.790581	2.312123
2	Sardiner_Valdecilla	16	18.991667	16.188612	3.628450	2.755428
2	Valdecilla_Sardiner	17	15.358333	19.680819	1.533907	1.968640
2	Sardiner_Valdecilla	18	14.491667	20.758584	0.866400	1.273320

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
2	Valdecilla_Sardiner	19	15.566667	19.426729	1.676388	2.159135
2	Sardiner_Valdecilla	20	13.866667	21.671451	0.644636	1.056502
2	Sardiner_Valdecilla	22	12.558333	23.915808	0.483525	0.945169
2	Valdecilla_Sardiner	23	14.858333	20.276025	1.091253	1.550865
2	Sardiner_Valdecilla	24	13.645833	22.214728	1.578817	2.660912
2	Valdecilla_Sardiner	25	13.583333	22.256926	1.390577	2.233747
2	Sardiner_Valdecilla	26	14.641667	20.534062	0.805824	1.080544
2	Valdecilla_Sardiner	27	14.354167	20.922723	0.551156	0.794473
2	Valdecilla_Sardiner	29	14.366667	21.128497	1.687810	2.802128
2	Sardiner_Valdecilla	30	14.483333	20.820881	1.294325	1.804454
2	Valdecilla_Sardiner	31	13.870833	21.647894	0.489780	0.747017
2	Sardiner_Valdecilla	32	15.470833	19.423507	0.725511	0.915259
2	Valdecilla_Sardiner	33	14.327778	21.140884	1.694299	2.574179
2	Sardiner_Valdecilla	34	14.525000	20.718210	1.143156	1.630578
2	Valdecilla_Sardiner	35	13.211111	22.713256	0.241139	0.418902
2	Sardiner_Valdecilla	36	13.344444	22.542254	0.850054	1.437086
2	Valdecilla_Sardiner	37	14.225000	21.096925	0.307167	0.450469
2	Sardiner_Valdecilla	38	18.333333	19.503656	10.647491	7.233207
2	Valdecilla_Sardiner	39	12.327778	24.540499	1.417385	2.679288
3	Sardiner_Valdecilla	2	11.958333	25.193008	0.876071	1.928939
3	Sardiner_Valdecilla	3	13.866667	21.699355	0.902158	1.326845
3	Valdecilla_Sardiner	4	13.233333	22.703448	0.614410	1.079881
3	Sardiner_Valdecilla	5	12.908333	23.258909	0.417333	0.747088
3	Valdecilla_Sardiner	6	13.622222	22.059815	0.683604	1.105713
3	Sardiner_Valdecilla	7	12.929167	23.269956	0.797957	1.439827
3	Valdecilla_Sardiner	8	12.954167	23.369471	1.470473	2.482269
3	Sardiner_Valdecilla	9	15.570833	19.618698	2.543742	2.885149
3	Valdecilla_Sardiner	10	13.225000	22.849656	1.590990	2.748853
3	Sardiner_Valdecilla	11	15.558333	19.358760	1.115588	1.423564
3	Valdecilla_Sardiner	12	14.822222	20.261742	0.591686	0.821593
3	Valdecilla_Sardiner	14	15.466667	19.540396	1.530855	1.940570
3	Sardiner_Valdecilla	15	17.091667	17.806156	2.510478	2.305740
3	Valdecilla_Sardiner	16	14.262500	21.152610	1.184809	1.901551
3	Sardiner_Valdecilla	17	17.779167	17.410242	3.872418	3.307555
3	Valdecilla_Sardiner	18	15.608333	19.235783	0.508174	0.625945
3	Sardiner_Valdecilla	19	15.008333	20.010884	0.565112	0.778747
3	Valdecilla_Sardiner	20	13.016667	23.064624	0.407567	0.734617
3	Sardiner_Valdecilla	21	12.608333	23.856095	0.735414	1.425340
3	Valdecilla_Sardiner	22	14.058333	21.393845	0.821077	1.237431
3	Sardiner_Valdecilla	23	12.858333	23.387492	0.712390	1.355816
3	Valdecilla_Sardiner	24	13.795833	21.805191	0.818917	1.337367
3	Sardiner_Valdecilla	25	14.300000	21.066576	1.095699	1.524639
3	Valdecilla_Sardiner	26	13.704167	22.025437	1.207950	2.035418
3	Sardiner_Valdecilla	27	14.204167	21.198277	0.980776	1.501669
3	Valdecilla_Sardiner	28	19.083333	18.277600	10.187392	6.400062
3	Sardiner_Valdecilla	29	19.941667	16.653692	8.440703	5.111513
3	Valdecilla_Sardiner	30	14.844444	20.233921	0.628122	0.863082
3	Sardiner_Valdecilla	31	15.308333	19.694613	1.275735	1.561402
3	Valdecilla_Sardiner	32	14.291667	21.015465	0.564456	0.817739
3	Sardiner_Valdecilla	33	14.816667	20.288543	0.942809	1.290994
3	Valdecilla_Sardiner	34	15.033333	20.026538	1.115049	1.433883
3	Sardiner_Valdecilla	35	14.587500	20.893149	2.240675	2.849478
3	Sardiner_Valdecilla	37	13.937500	21.631095	1.112336	1.780159
3	Valdecilla_Sardiner	38	12.787500	23.627464	1.218178	2.341287
3	Sardiner_Valdecilla	39	15.420833	20.598773	4.670086	5.088974
101	Sardiner_Valdecilla	1	14.466667	20.968906	1.721918	2.601710
101	Valdecilla_Sardiner	2	14.158333	21.691715	2.542254	3.773086
101	Sardiner_Valdecilla	3	21.700000	14.886075	7.706863	4.009856
102	Sardiner_Valdecilla	2	17.254167	17.456297	1.239428	1.286428
102	Valdecilla_Sardiner	3	15.820833	19.019253	1.011725	1.188064
102	Sardiner_Valdecilla	4	21.791667	15.324893	9.608392	4.721001