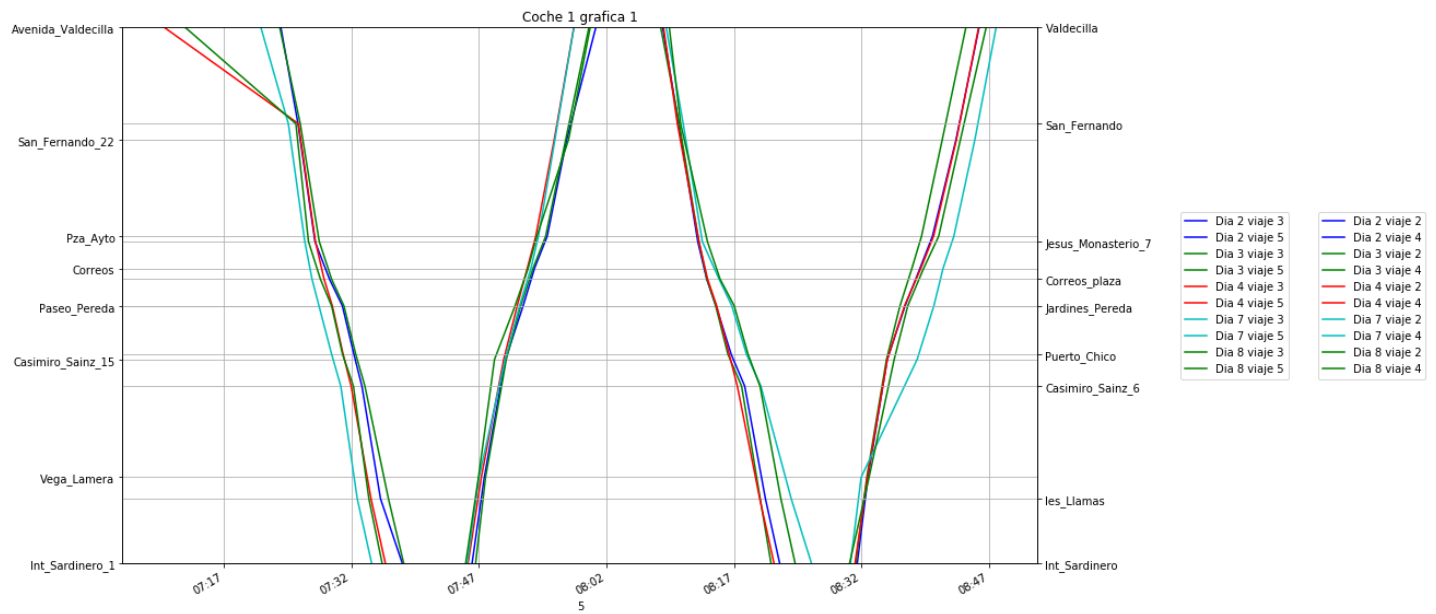


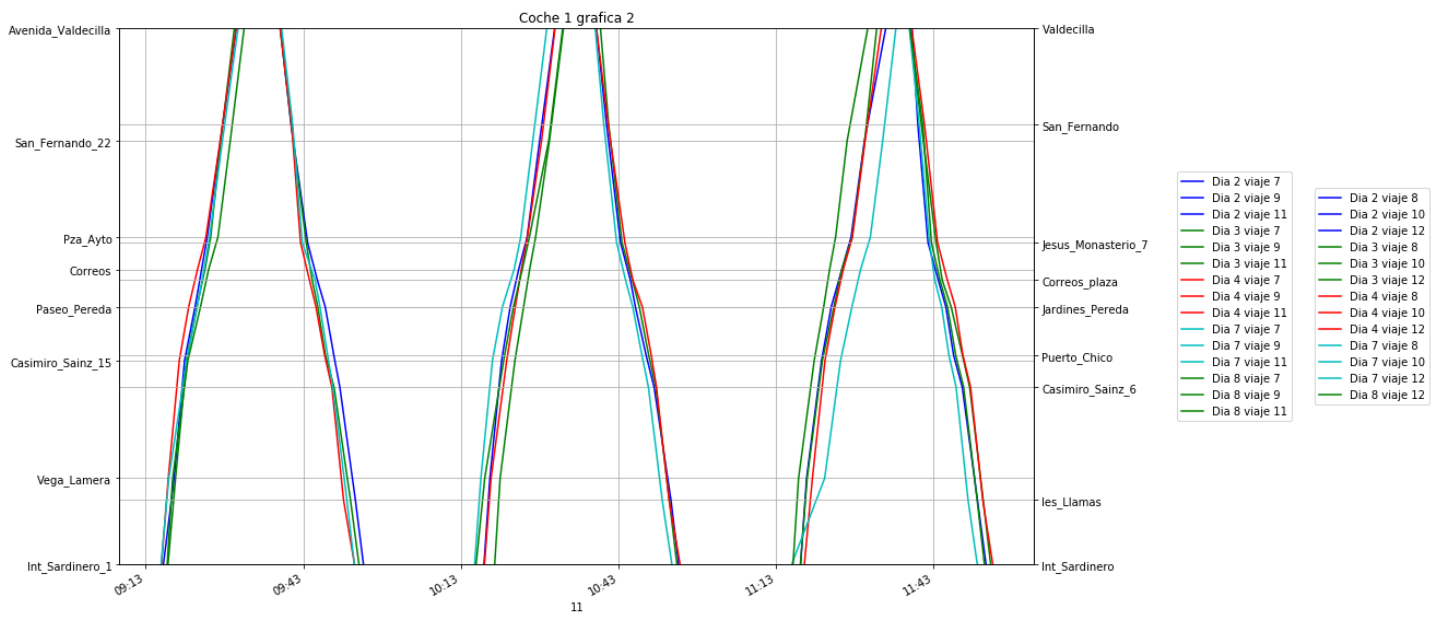
Coche 1 grafica 1

Gráfico evolución:



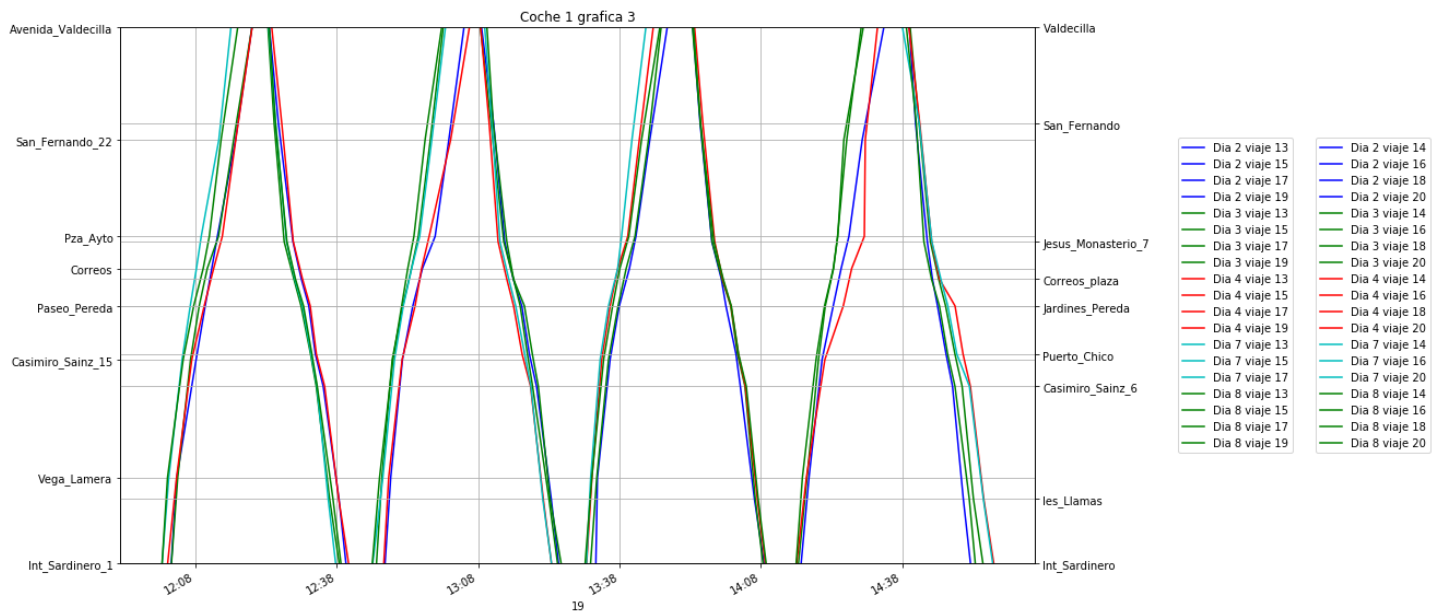
Coche 1 grafica 2

Gráfico evolución:



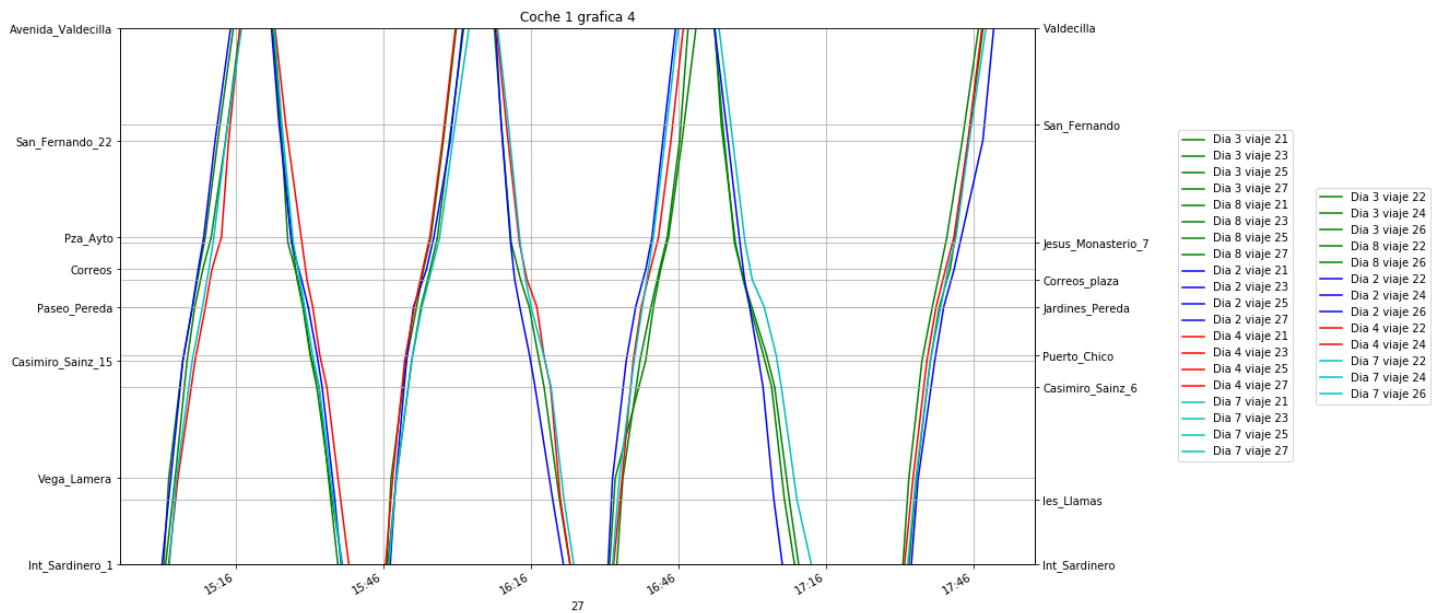
Coche 1 grafica 3

Gráfico evolución:



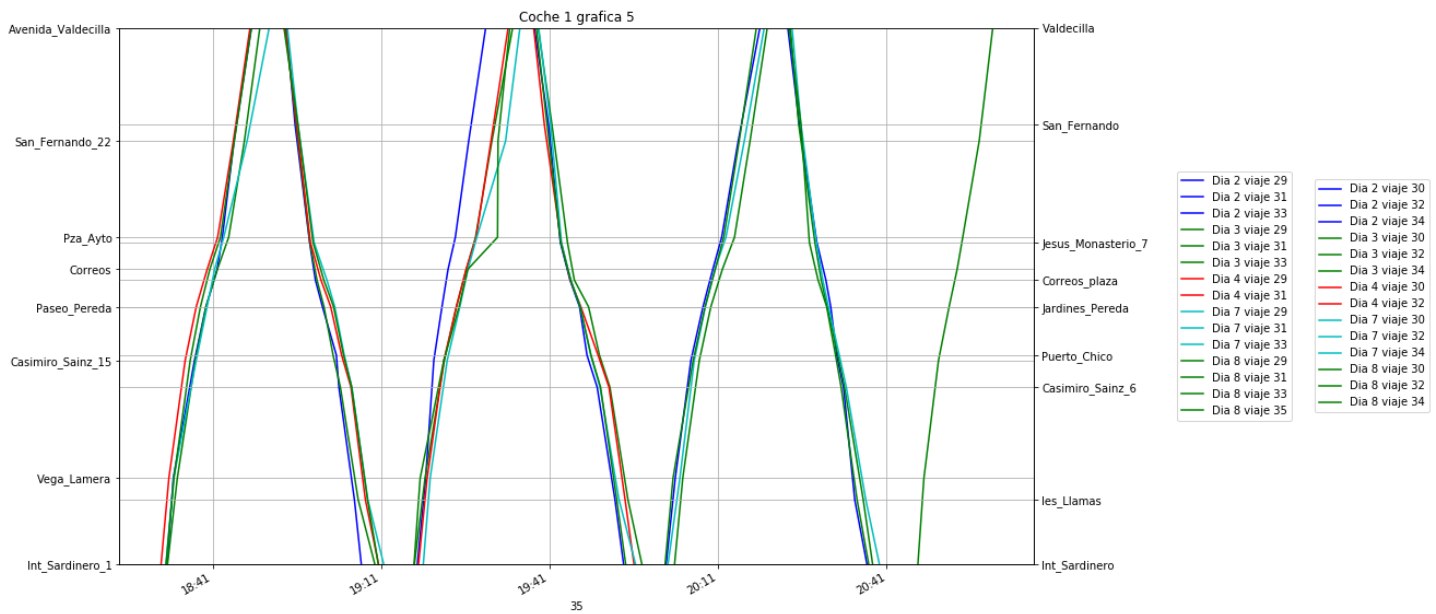
Coche 1 grafica 4

Gráfico evolución:



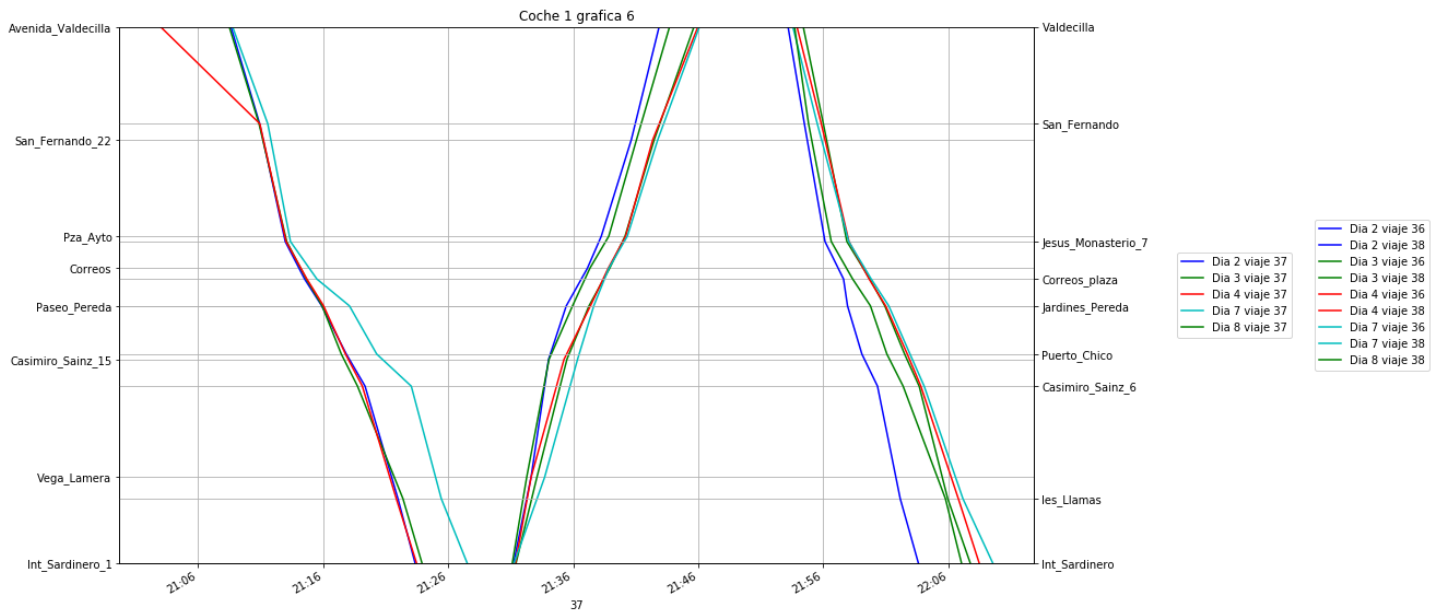
Coche 1 grafica 5

Gráfico evolución:



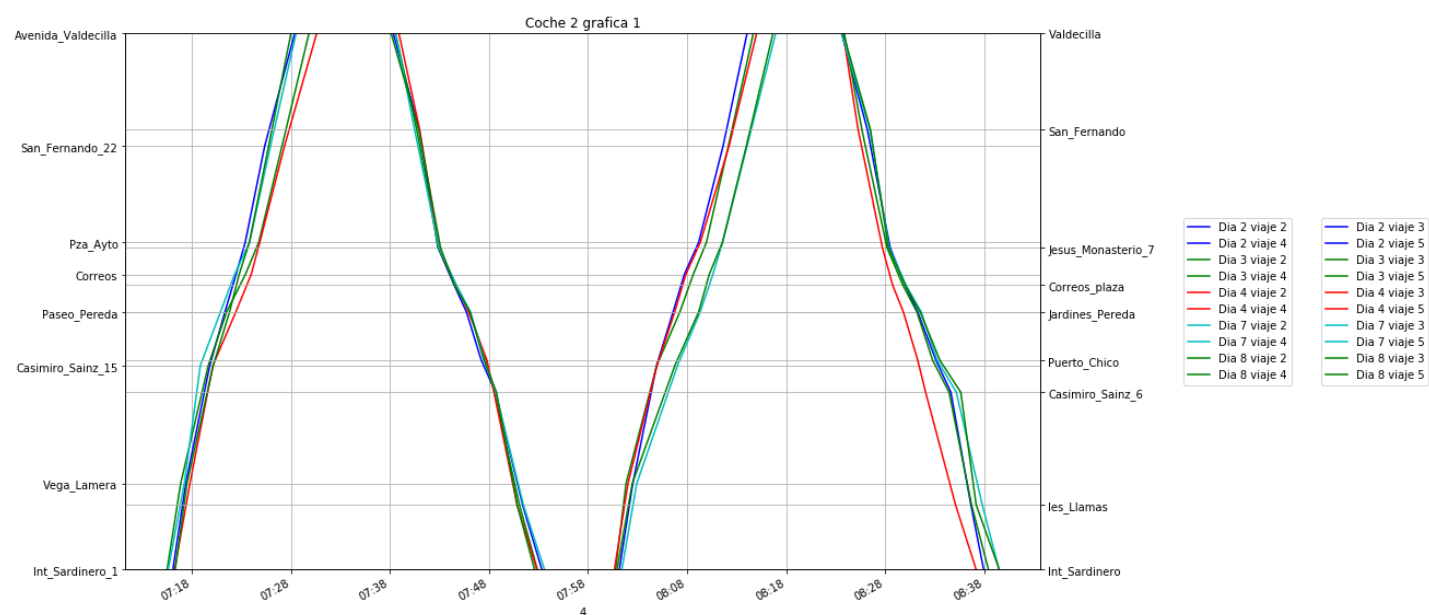
Coche 1 grafica 6

Gráfico evolución:



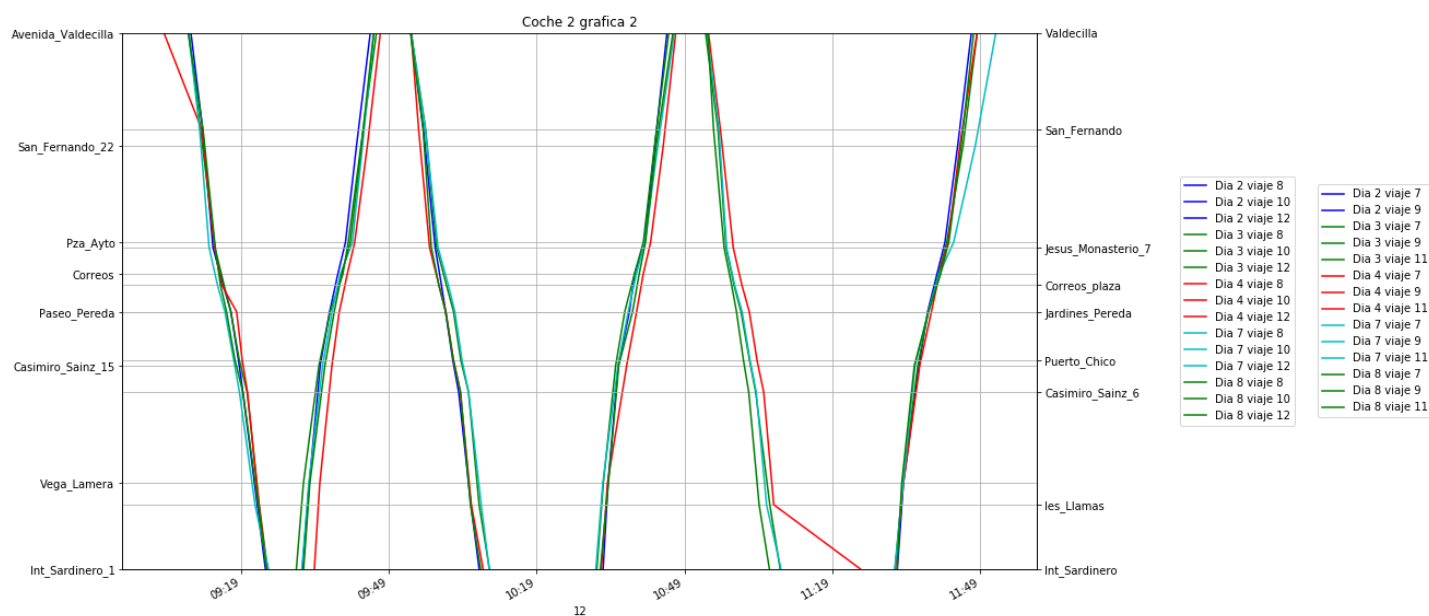
Coche 2 grafica 1

Gráfico evolución:



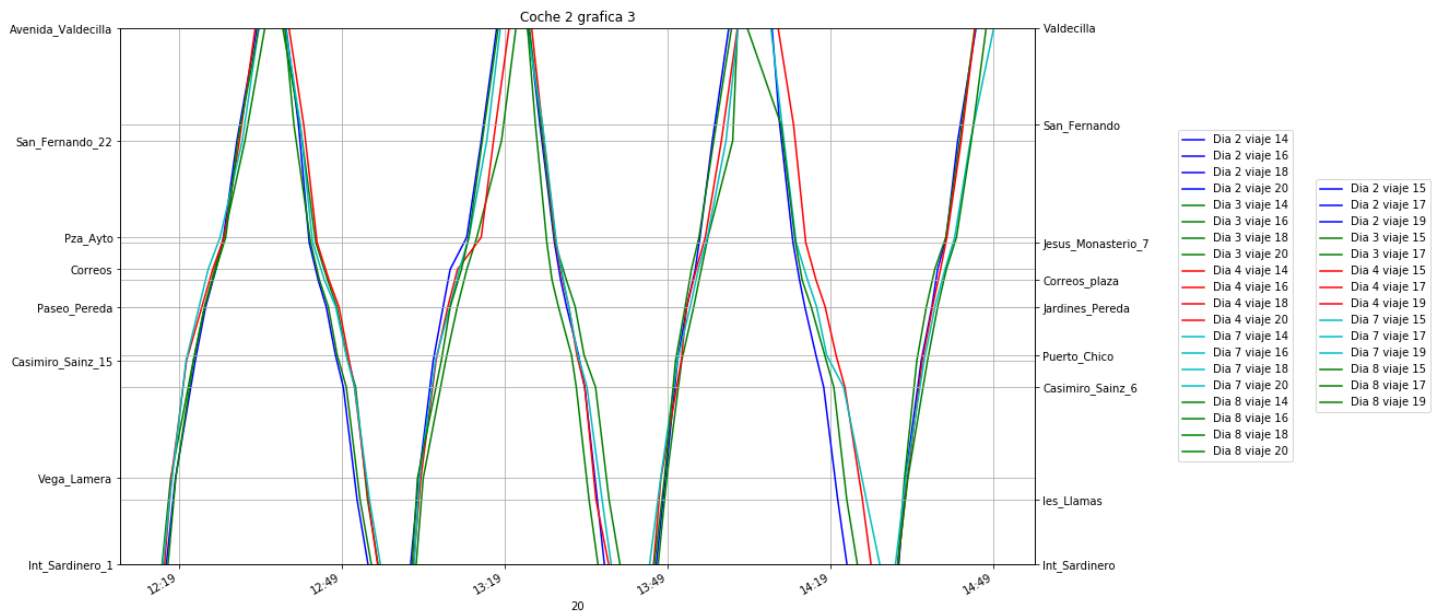
Coche 2 grafica 2

Gráfico evolución:



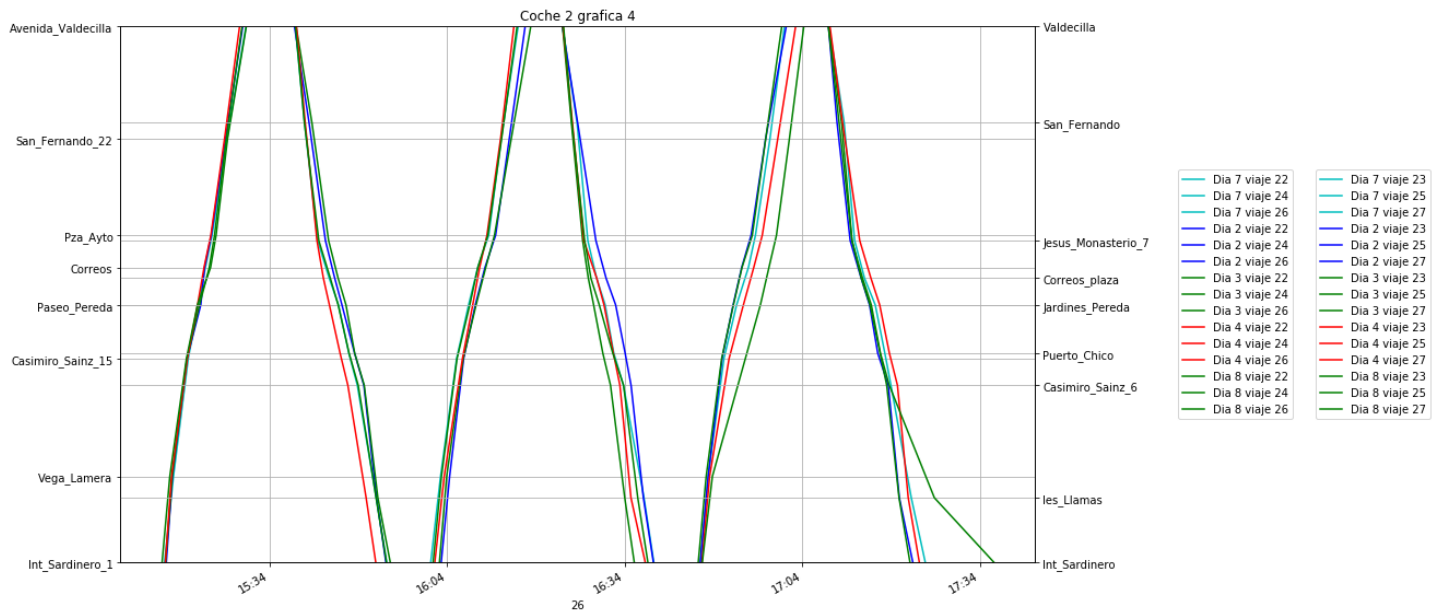
Coche 2 grafica 3

Gráfico evolución:



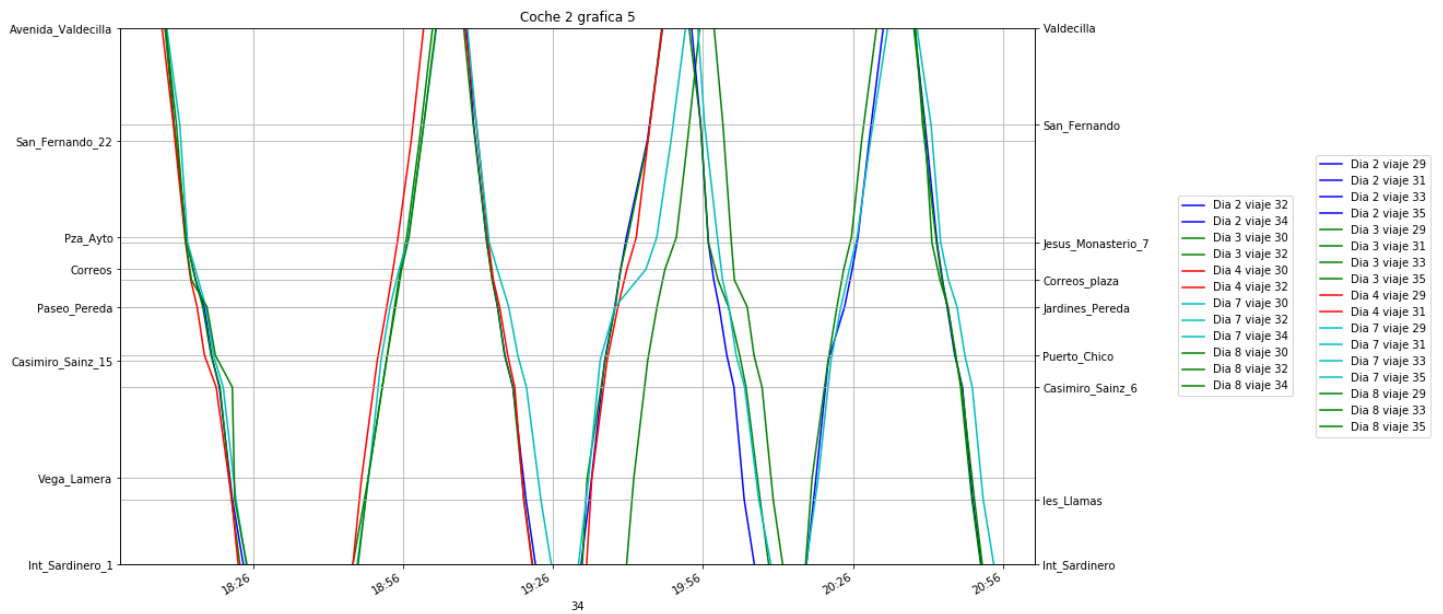
Coche 2 grafica 4

Gráfico evolución:



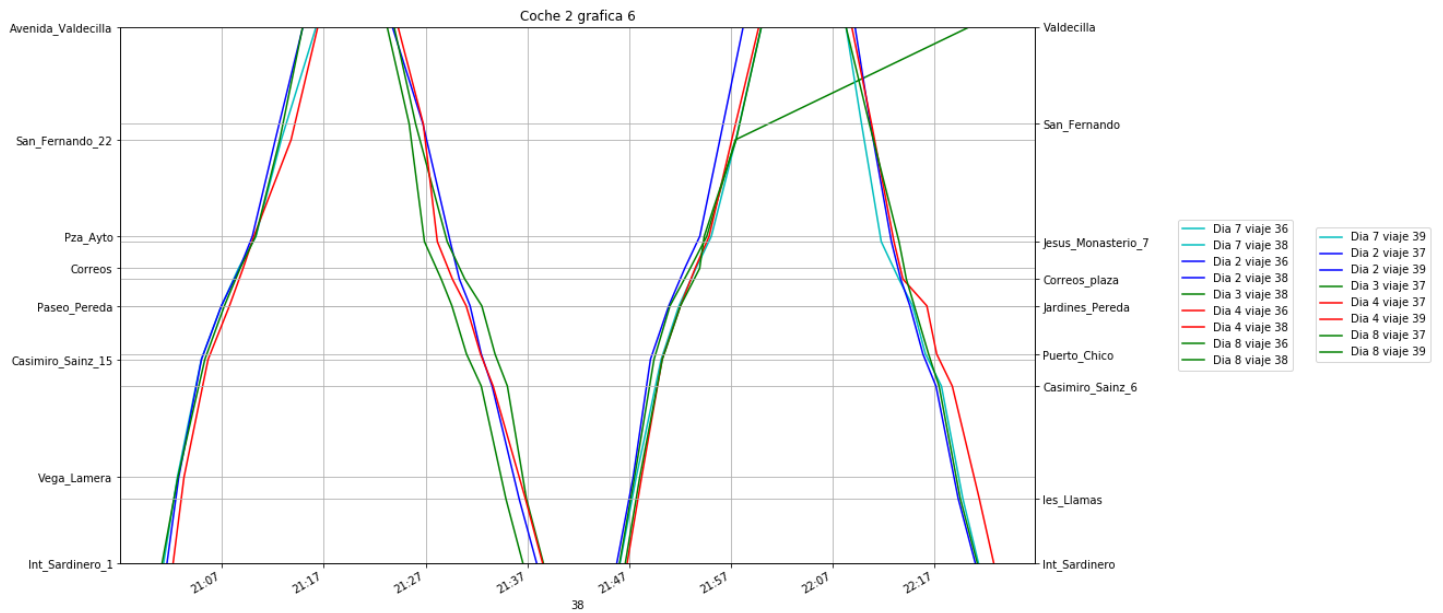
Coche 2 grafica 5

Gráfico evolución:



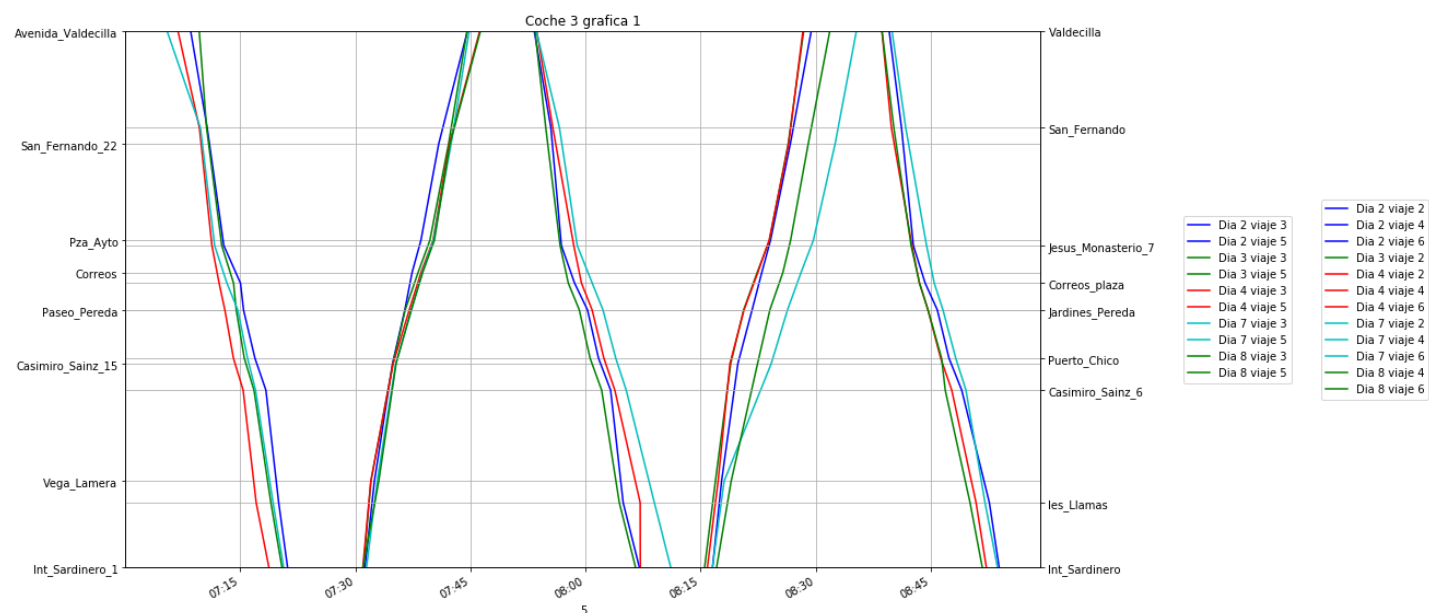
Coche 2 grafica 6

Gráfico evolución:



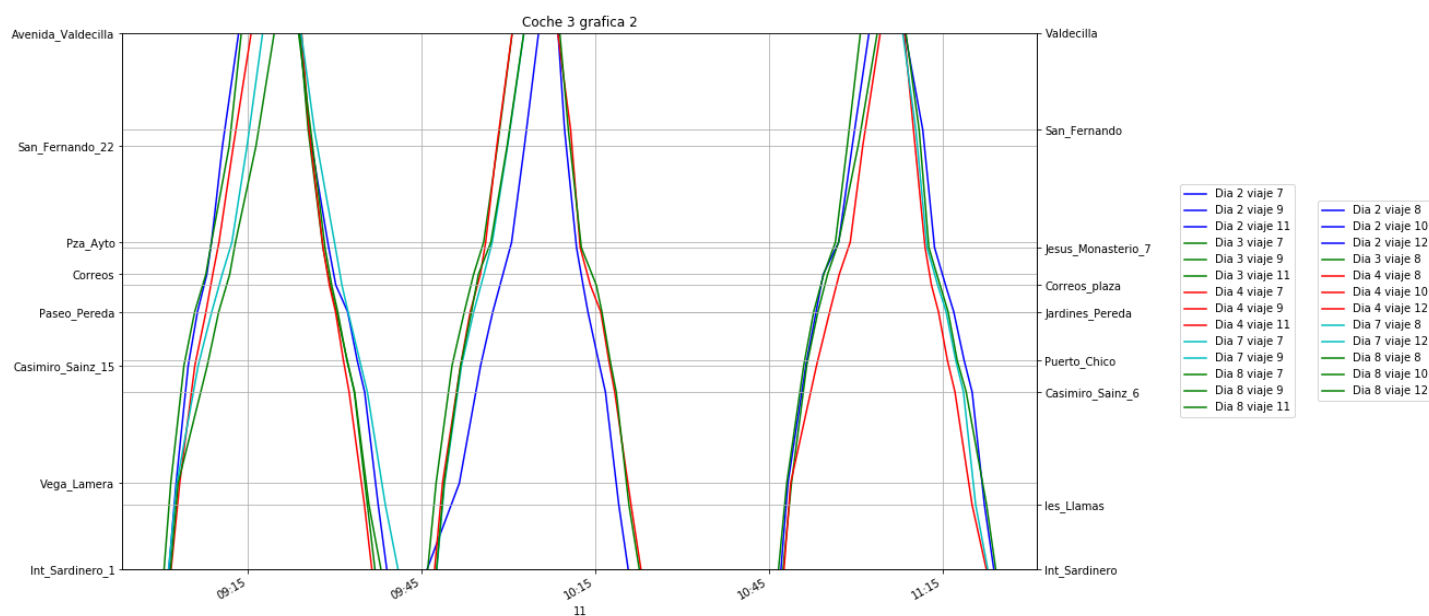
Coche 3 grafica 1

Gráfico evolución:



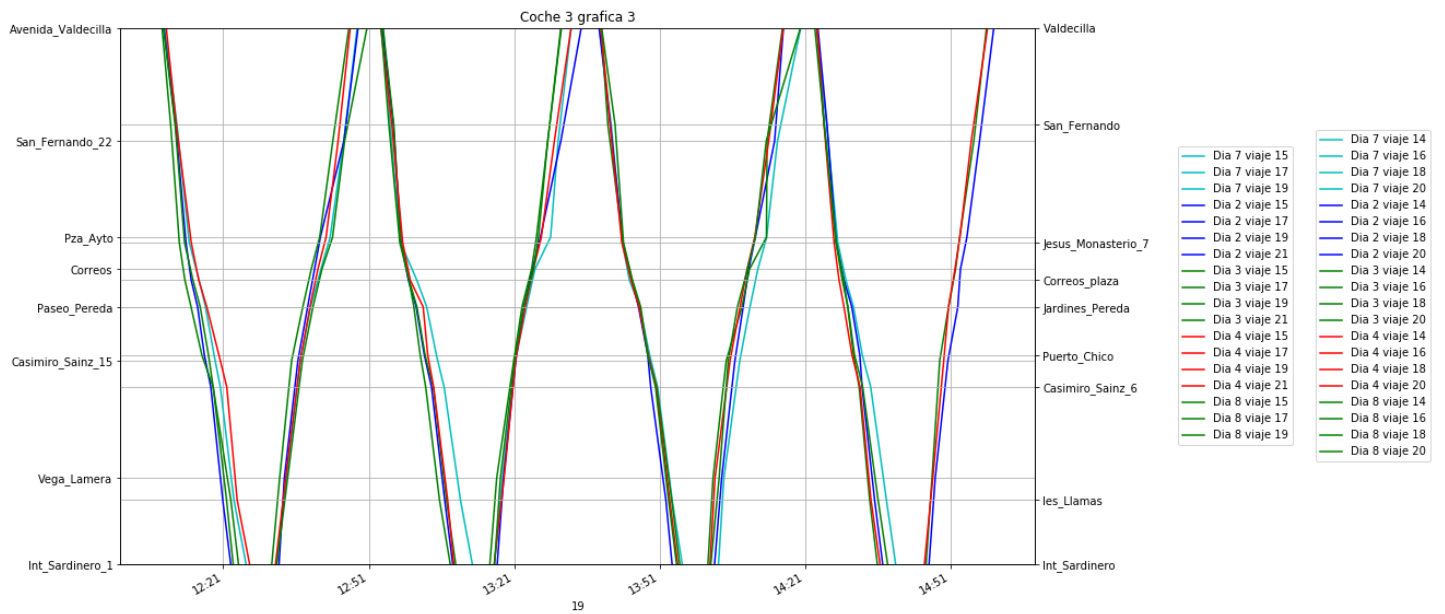
Coche 3 grafica 2

Gráfico evolución:



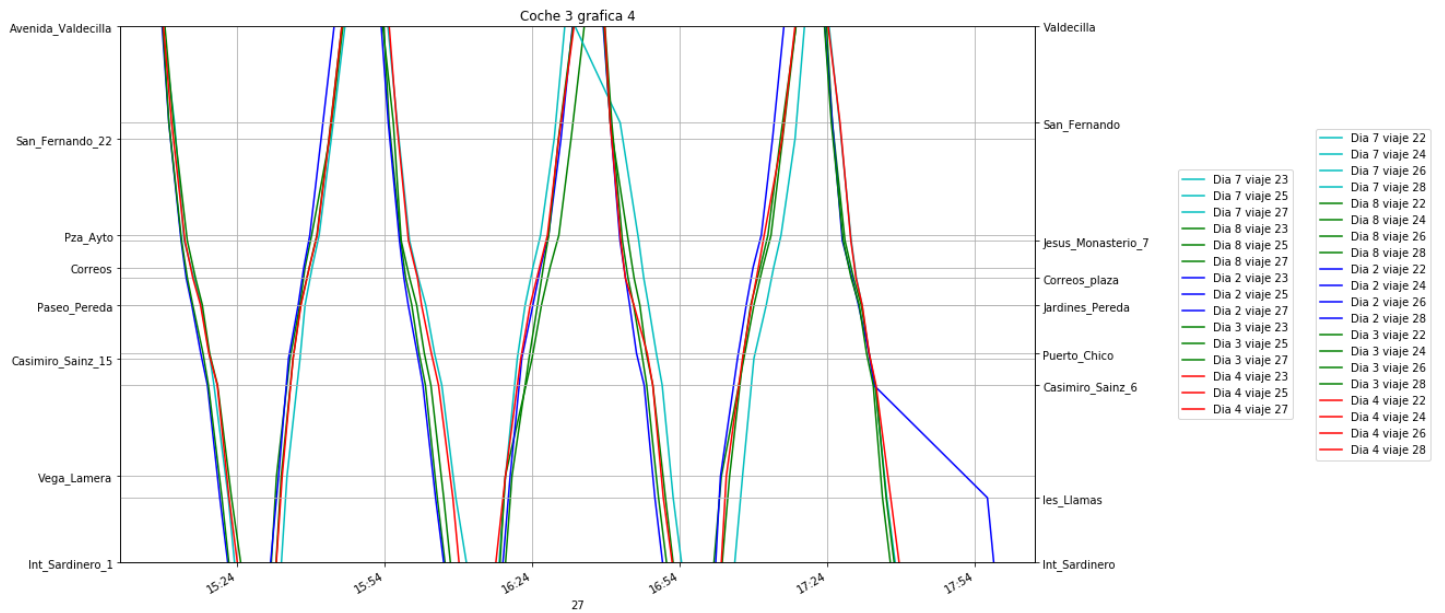
Coche 3 grafica 3

Gráfico evolución:



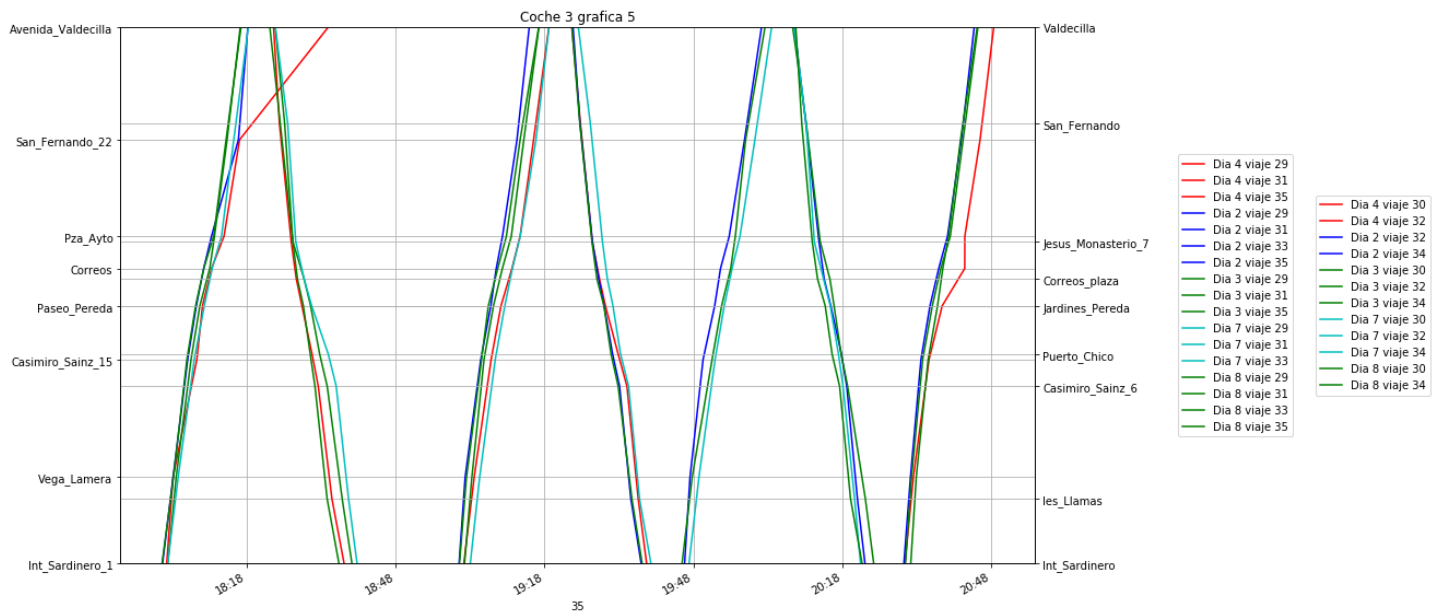
Coche 3 grafica 4

Gráfico evolución:



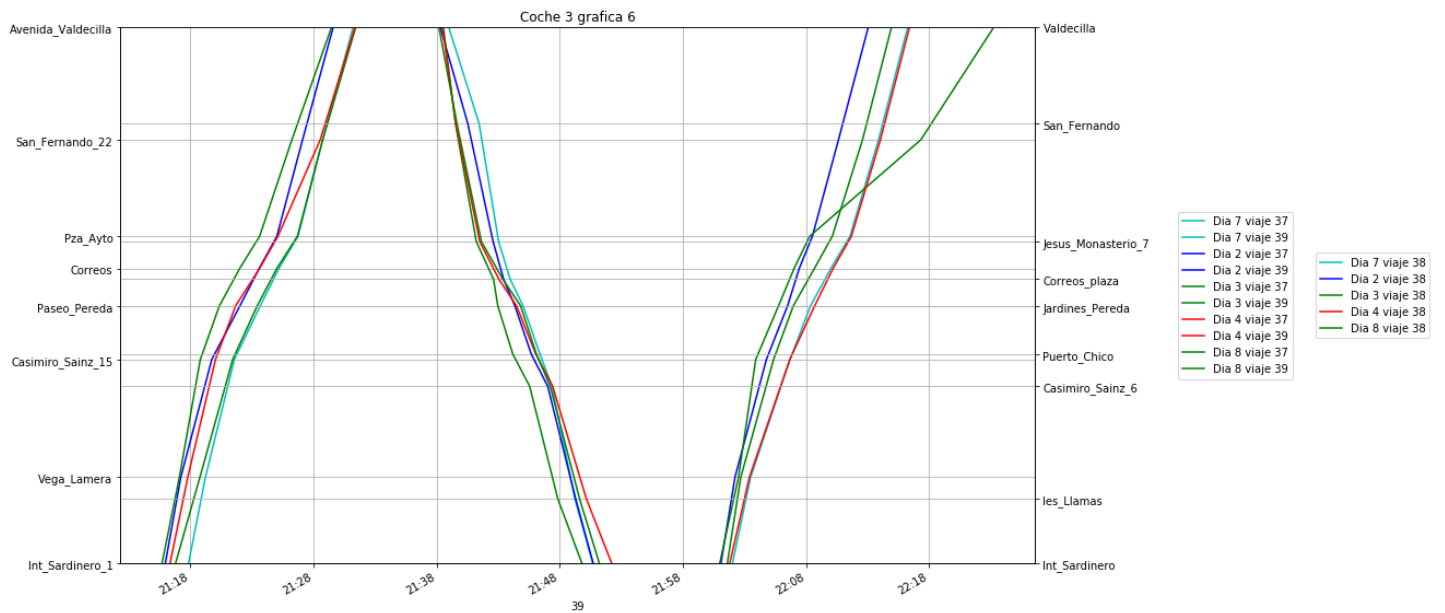
Coche 3 grafica 5

Gráfico evolución:



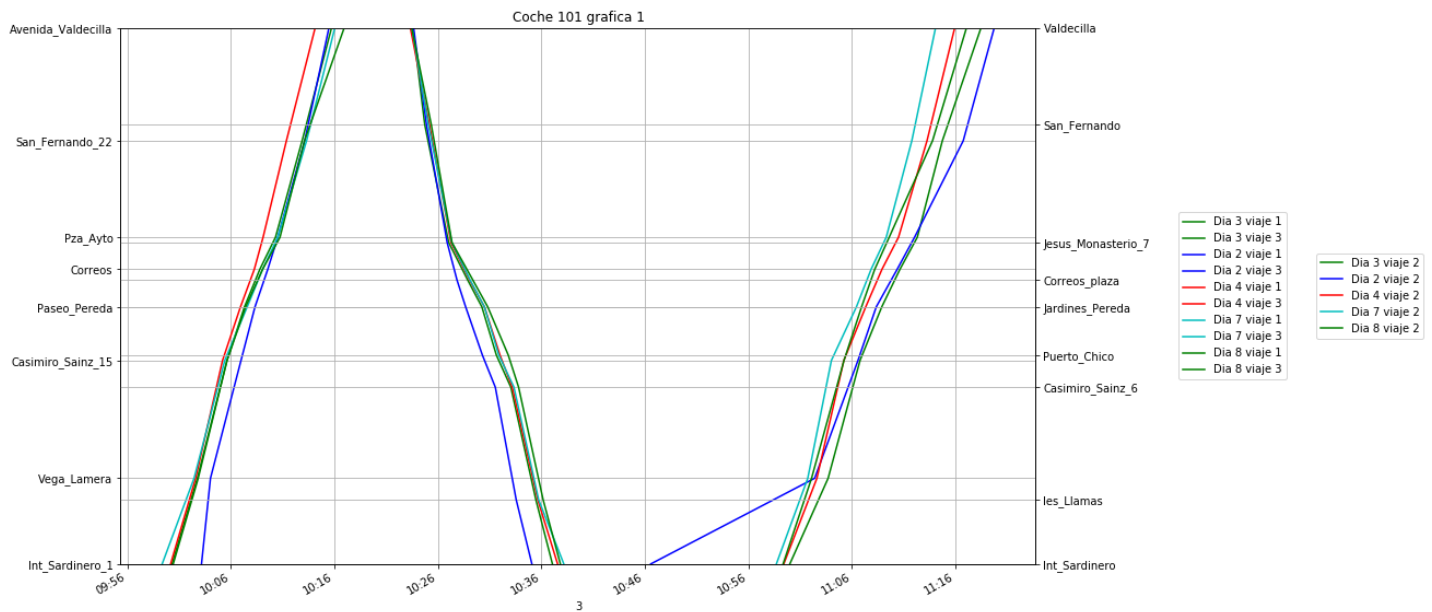
Coche 3 grafica 6

Gráfico evolución:



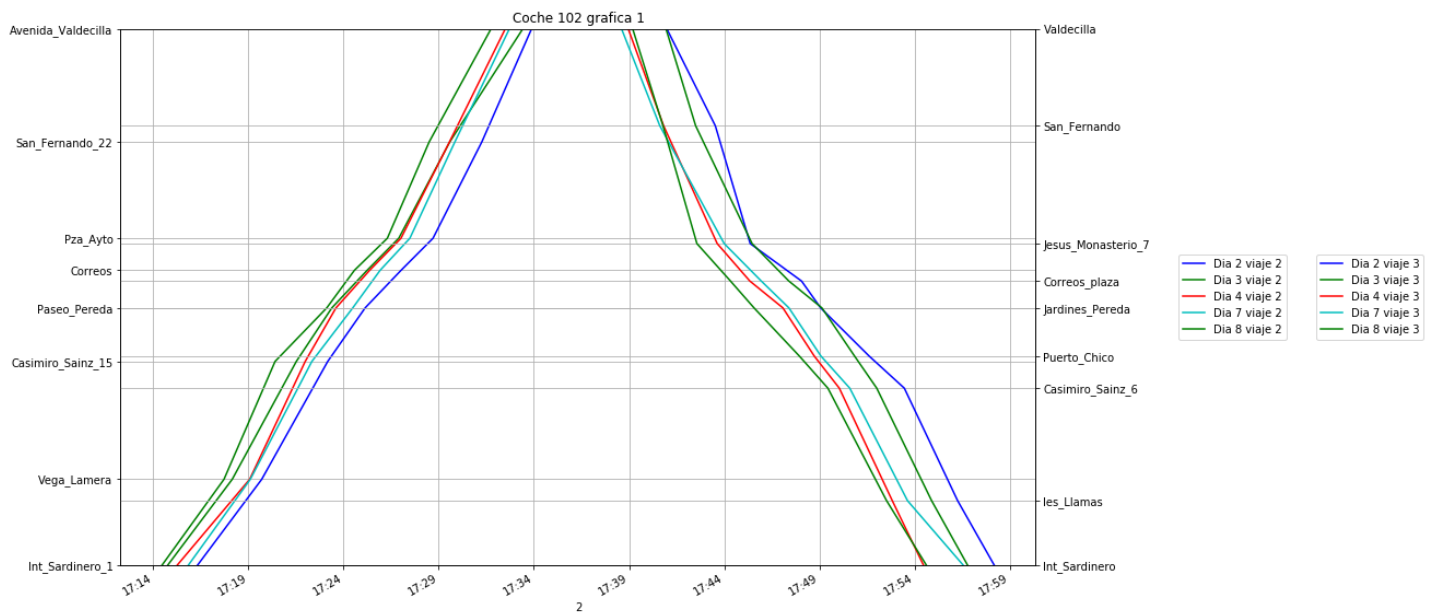
Coche 101 grafica 1

Gráfico evolución:



Coche 102 grafica 1

Gráfico evolución:



Coche 102 grafica 1

Gráfico evolución:

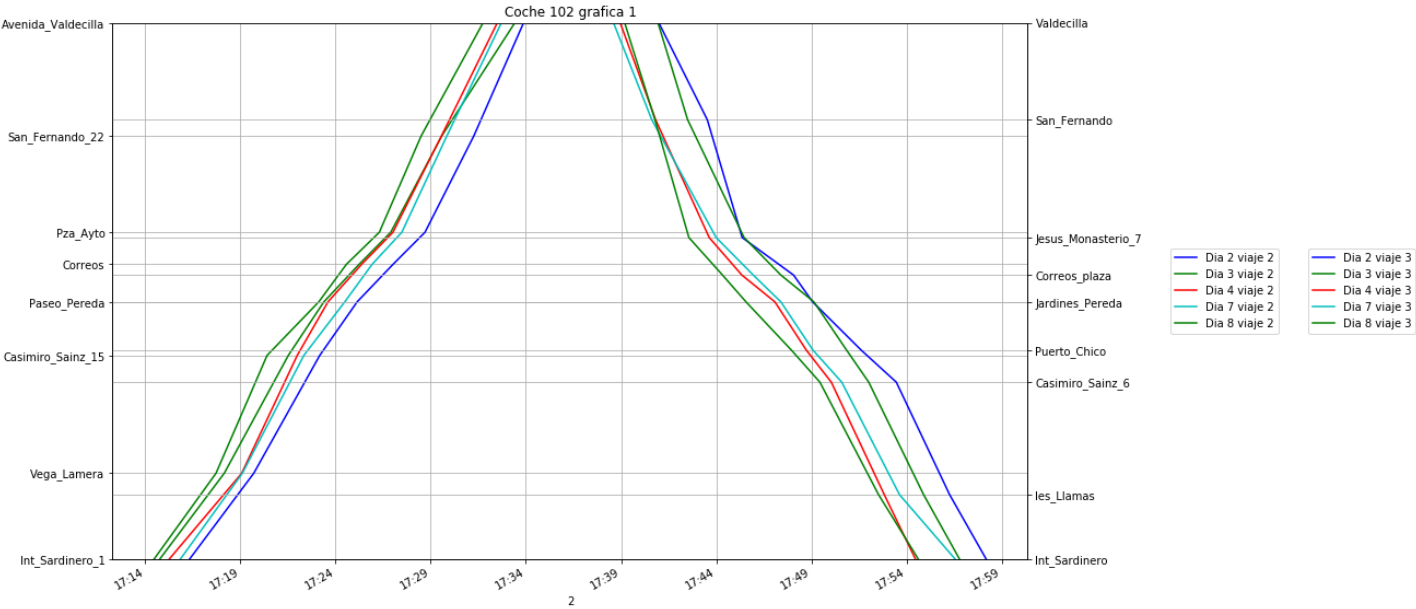


Tabla resumen velocidades y tiempos

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
1	Valdecilla_Sardinero	2	18.200000	17.833561	5.934679	5.205859
1	Sardinero_Valdecilla	3	13.493333	22.342542	1.059782	1.741214
1	Valdecilla_Sardinero	4	14.310000	21.186445	1.710369	2.329464
1	Sardinero_Valdecilla	5	14.990000	20.202208	1.623123	2.188700
1	Sardinero_Valdecilla	7	13.993333	21.502613	0.829709	1.346786
1	Valdecilla_Sardinero	8	14.691667	20.474360	0.884067	1.211060
1	Sardinero_Valdecilla	9	14.036667	21.522428	1.387013	1.896739
1	Valdecilla_Sardinero	10	15.179167	19.796000	0.706370	0.918899
1	Sardinero_Valdecilla	11	15.880000	19.180525	2.330993	2.467113
1	Valdecilla_Sardinero	12	14.396667	20.928806	1.047444	1.559901
1	Sardinero_Valdecilla	13	16.540000	18.228145	1.270914	1.471523
1	Valdecilla_Sardinero	14	15.396667	19.536434	0.879662	1.132102
1	Sardinero_Valdecilla	15	15.826667	19.109462	1.618839	1.887784
1	Valdecilla_Sardinero	16	15.510000	19.431433	1.184366	1.460070
1	Sardinero_Valdecilla	17	14.523333	20.786116	1.244912	1.895626
1	Valdecilla_Sardinero	18	15.104167	19.864790	0.205199	0.267028
1	Sardinero_Valdecilla	19	15.545833	19.569594	2.104025	2.680830
1	Valdecilla_Sardinero	20	16.016667	19.106997	2.517577	3.012659
1	Sardinero_Valdecilla	21	14.473333	20.745161	0.469870	0.669654
1	Valdecilla_Sardinero	22	13.993333	21.488011	0.746250	1.155532
1	Sardinero_Valdecilla	23	14.960000	20.110053	0.898965	1.177733
1	Valdecilla_Sardinero	24	14.895833	20.182322	0.772487	1.092033
1	Sardinero_Valdecilla	25	14.640000	20.686757	1.685007	2.121767
1	Valdecilla_Sardinero	26	16.466667	18.453296	2.095807	2.470054
1	Sardinero_Valdecilla	27	15.760000	19.060690	0.646207	0.767406
1	Sardinero_Valdecilla	29	16.150000	18.674195	1.352570	1.470251
1	Valdecilla_Sardinero	30	15.936667	18.980637	1.529679	2.036037
1	Sardinero_Valdecilla	31	15.953333	19.153337	2.204270	3.159605
1	Valdecilla_Sardinero	32	17.056667	17.653470	1.156539	1.199807
1	Sardinero_Valdecilla	33	16.620833	18.056139	0.365497	0.394298
1	Valdecilla_Sardinero	34	14.595833	20.585326	0.669214	0.916750
1	Sardinero_Valdecilla	35	13.316667	22.528160	NaN	NaN
1	Valdecilla_Sardinero	36	17.325000	17.636866	2.720379	2.730249
1	Sardinero_Valdecilla	37	13.560000	22.320867	1.388774	2.407282
1	Valdecilla_Sardinero	38	13.533333	22.621668	2.052505	3.780310
2	Sardinero_Valdecilla	2	13.106667	23.041698	1.192488	2.099208
2	Valdecilla_Sardinero	3	14.536667	20.654657	0.467767	0.667858
2	Sardinero_Valdecilla	4	14.480000	20.831132	1.181419	1.732739
2	Valdecilla_Sardinero	5	14.780000	20.376879	1.024790	1.429244
2	Valdecilla_Sardinero	7	16.793333	18.099986	2.314165	2.142422
2	Sardinero_Valdecilla	8	14.436667	20.873485	1.107951	1.518367
2	Valdecilla_Sardinero	9	14.863333	20.250401	0.955132	1.294363
2	Sardinero_Valdecilla	10	14.633333	20.593676	1.071538	1.583274
2	Valdecilla_Sardinero	11	18.350000	18.404487	8.388429	6.092641
2	Sardinero_Valdecilla	12	16.856667	18.007537	2.155213	2.065048
2	Sardinero_Valdecilla	14	17.320000	17.362886	0.973496	0.931587
2	Valdecilla_Sardinero	15	16.453333	18.293189	1.046648	1.176273
2	Sardinero_Valdecilla	16	16.686667	18.050506	1.199560	1.253771
2	Valdecilla_Sardinero	17	14.623333	20.672734	1.445952	1.997831
2	Sardinero_Valdecilla	18	14.770000	20.406201	1.126844	1.555667

coche	sentido	vía	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
2	Valdecilla_Sardiner	19	17.775000	17.291818	3.033898	3.251003
2	Sardiner_Valdecilla	20	15.380000	19.696278	1.755127	2.089135
2	Sardiner_Valdecilla	22	13.263333	22.667593	0.694762	1.166136
2	Valdecilla_Sardiner	23	15.100000	19.940666	0.981566	1.406659
2	Sardiner_Valdecilla	24	14.370000	20.924659	0.768603	1.119222
2	Valdecilla_Sardiner	25	14.193333	21.301717	1.353062	2.169928
2	Sardiner_Valdecilla	26	15.146667	19.919206	1.308487	1.634963
2	Valdecilla_Sardiner	27	17.443333	18.402346	5.930203	4.462524
2	Valdecilla_Sardiner	29	15.536667	19.324723	0.494750	0.611004
2	Sardiner_Valdecilla	30	15.350000	19.588805	0.827200	1.109420
2	Valdecilla_Sardiner	31	14.416667	20.976765	1.563472	2.060121
2	Sardiner_Valdecilla	32	16.646667	18.354091	2.724003	2.549115
2	Valdecilla_Sardiner	33	14.179167	21.318333	1.421617	2.140968
2	Sardiner_Valdecilla	34	15.266667	19.715532	1.068228	1.391882
2	Valdecilla_Sardiner	35	13.850000	21.739944	1.000093	1.464159
2	Sardiner_Valdecilla	36	14.075000	21.352609	0.691951	1.037296
2	Valdecilla_Sardiner	37	14.075000	21.339744	0.554694	0.858253
2	Sardiner_Valdecilla	38	17.363333	20.055298	9.474010	6.389592
2	Valdecilla_Sardiner	39	12.904167	23.329413	0.873305	1.600597
3	Valdecilla_Sardiner	2	12.595833	24.193545	1.874111	3.389343
3	Sardiner_Valdecilla	3	14.140000	21.303330	1.022836	1.502103
3	Valdecilla_Sardiner	4	14.433333	21.065827	2.048577	2.637895
3	Sardiner_Valdecilla	5	14.333333	21.418559	2.623531	3.350881
3	Valdecilla_Sardiner	6	13.675000	21.961647	0.520061	0.835008
3	Sardiner_Valdecilla	7	14.666667	20.872994	2.366226	3.261581
3	Valdecilla_Sardiner	8	14.206667	21.384298	1.793182	2.661699
3	Sardiner_Valdecilla	9	15.460000	19.690490	2.216748	2.503618
3	Valdecilla_Sardiner	10	13.388889	22.523505	1.160260	2.024159
3	Sardiner_Valdecilla	11	15.554167	19.365011	1.122611	1.434365
3	Valdecilla_Sardiner	12	14.912500	20.143090	0.612429	0.835864
3	Valdecilla_Sardiner	14	15.566667	19.401631	1.416912	1.784084
3	Sardiner_Valdecilla	15	16.550000	18.201431	1.219688	1.266286
3	Valdecilla_Sardiner	16	15.416667	19.621606	1.664081	1.880026
3	Sardiner_Valdecilla	17	15.470000	19.510420	1.345641	1.701025
3	Valdecilla_Sardiner	18	15.910000	18.891615	0.778852	0.908487
3	Sardiner_Valdecilla	19	16.003333	18.907213	1.684793	1.918444
3	Valdecilla_Sardiner	20	14.010000	21.625170	1.588177	2.341485
3	Sardiner_Valdecilla	21	12.927778	23.224436	0.446073	0.808351
3	Valdecilla_Sardiner	22	14.350000	20.978000	0.936231	1.381597
3	Sardiner_Valdecilla	23	13.416667	22.403726	0.677311	1.077073
3	Valdecilla_Sardiner	24	13.800000	21.910900	1.400298	2.122244
3	Sardiner_Valdecilla	25	14.843333	20.392115	1.600200	2.102462
3	Valdecilla_Sardiner	26	14.806667	21.171942	3.914531	4.343119
3	Sardiner_Valdecilla	27	14.933333	20.170270	1.081601	1.399986
3	Valdecilla_Sardiner	28	17.860000	19.232504	9.227402	5.903804
3	Sardiner_Valdecilla	29	19.266667	16.937734	7.456047	4.452629
3	Valdecilla_Sardiner	30	14.987500	20.107086	1.171686	1.543122
3	Sardiner_Valdecilla	31	15.596667	19.315788	1.126783	1.402794
3	Valdecilla_Sardiner	32	14.366667	20.907697	0.585472	0.851838
3	Sardiner_Valdecilla	33	16.261111	18.470618	0.674400	0.784630
3	Valdecilla_Sardiner	34	14.291667	21.132917	1.399835	1.930449
3	Sardiner_Valdecilla	35	14.991667	20.251944	1.981699	2.434886
3	Sardiner_Valdecilla	37	14.066667	21.369286	0.705337	1.054138
3	Valdecilla_Sardiner	38	12.413333	24.293884	1.003978	1.955547
3	Sardiner_Valdecilla	39	15.260000	20.559888	4.028227	4.323189
101	Sardiner_Valdecilla	1	14.963333	20.311592	1.842115	2.675378
101	Valdecilla_Sardiner	2	13.623333	22.203412	1.309824	2.374749
101	Sardiner_Valdecilla	3	20.236667	15.991827	7.322761	4.077604
102	Sardiner_Valdecilla	2	17.500000	17.162819	0.678745	0.643587
102	Valdecilla_Sardiner	3	16.373333	18.389814	1.124636	1.226036
102	Sardiner_Valdecilla	4	20.960000	15.667178	8.532337	4.171760