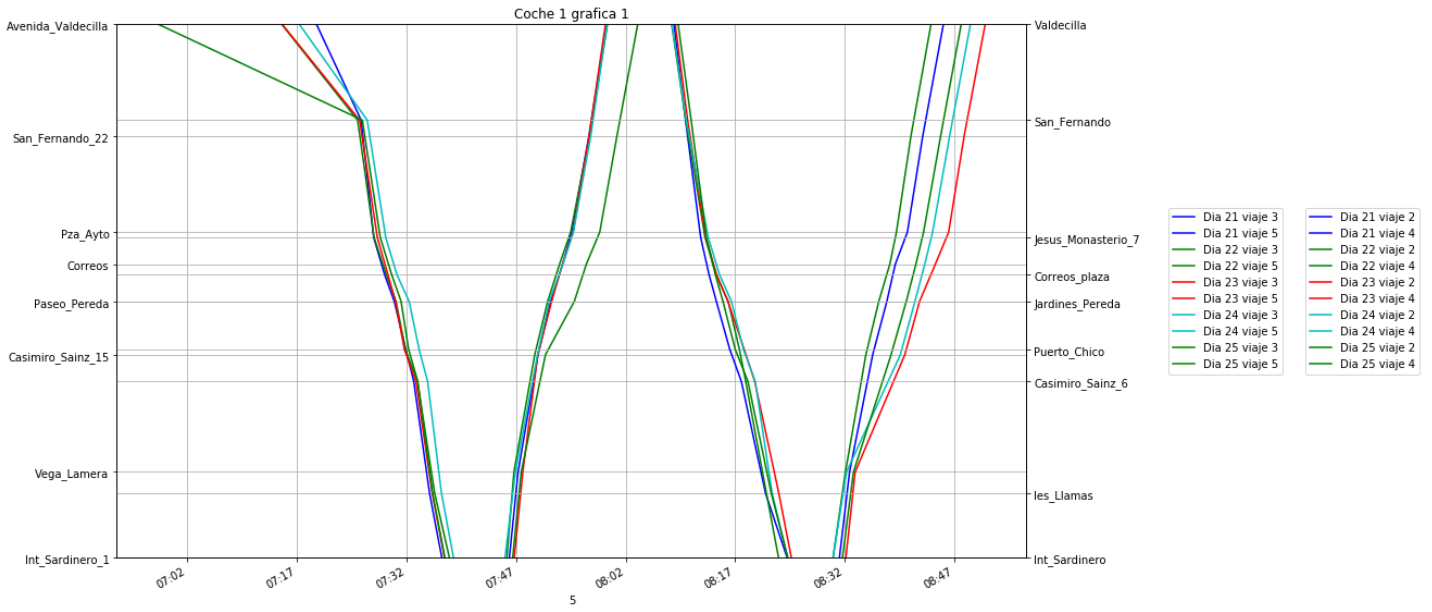


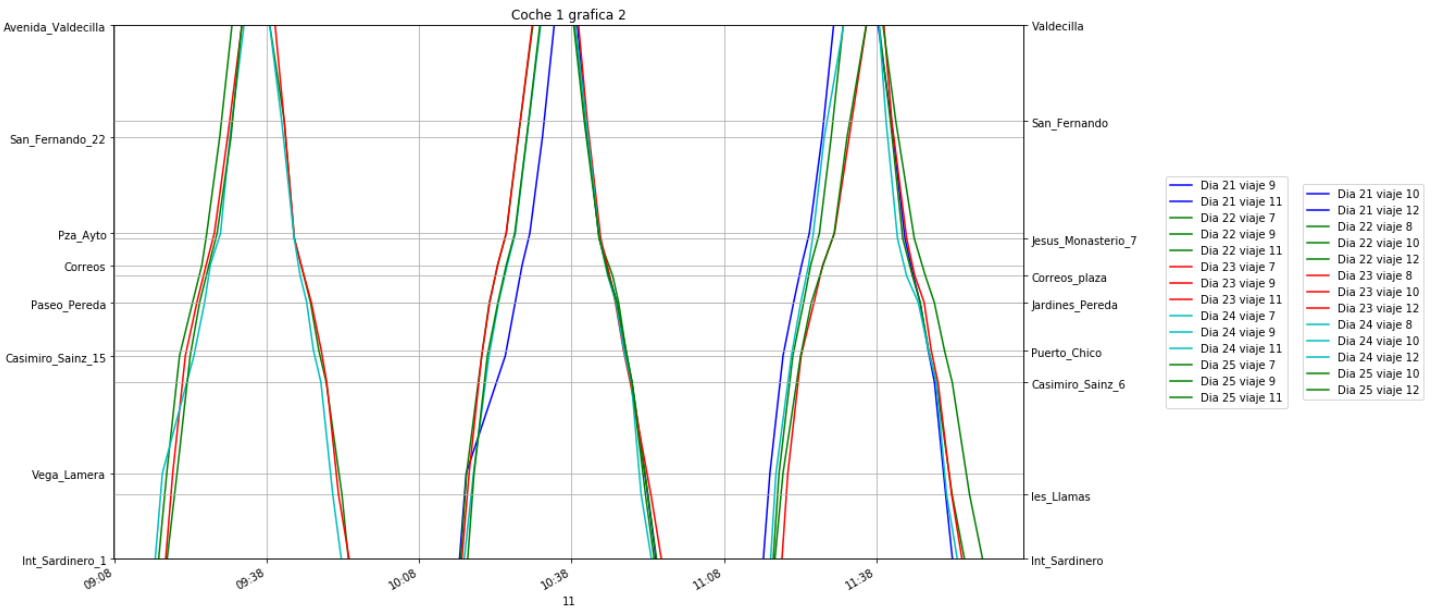
**Coche 1 grafica 1**

Gráfico evolución:



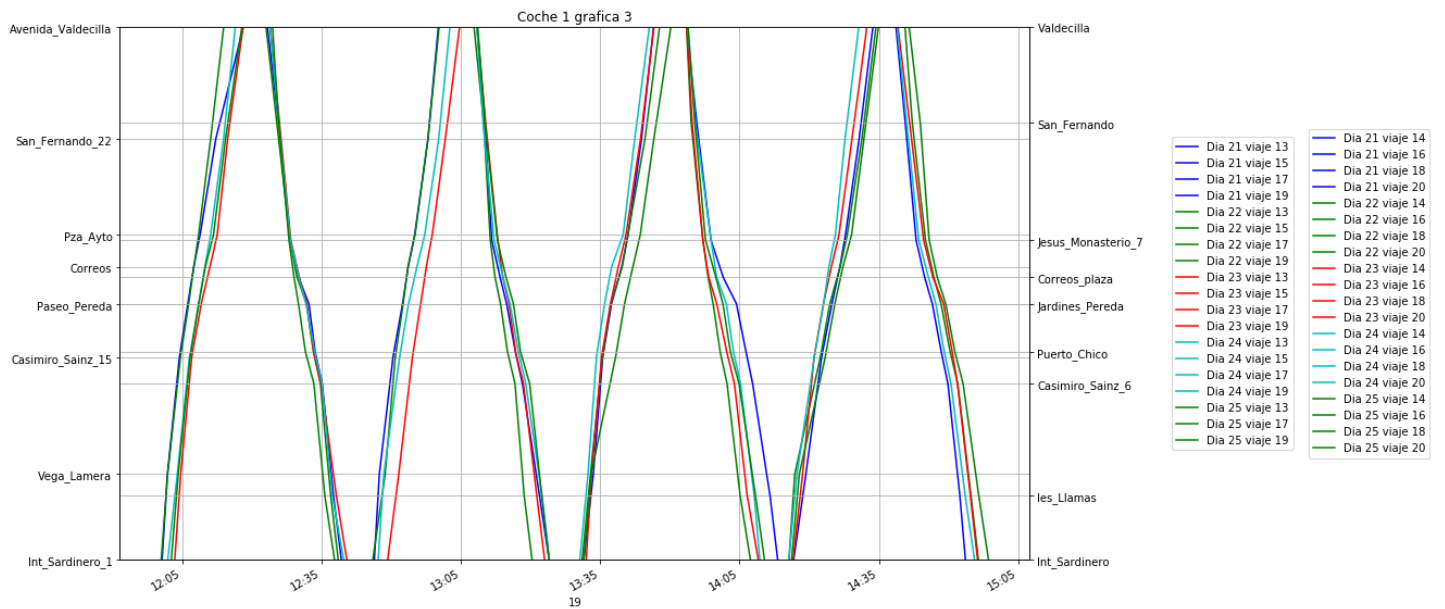
**Coche 1 grafica 2**

Gráfico evolución:



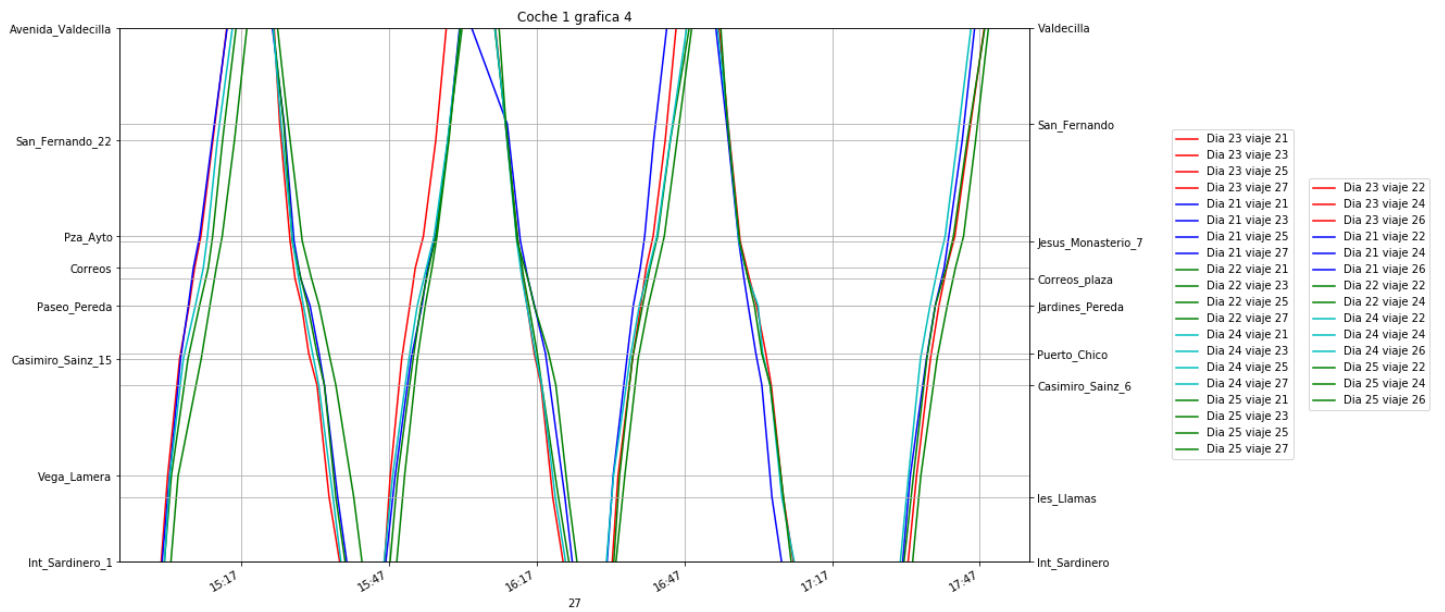
**Coche 1 grafica 3**

Gráfico evolución:



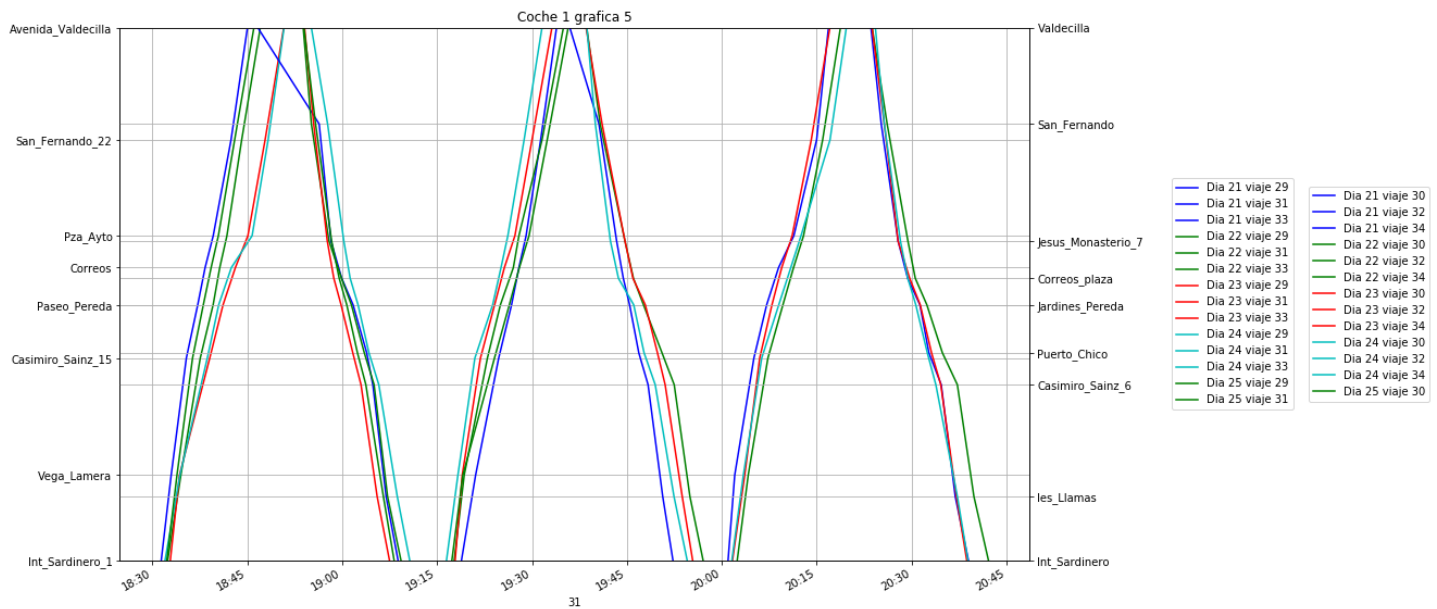
**Coche 1 grafica 4**

Gráfico evolución:



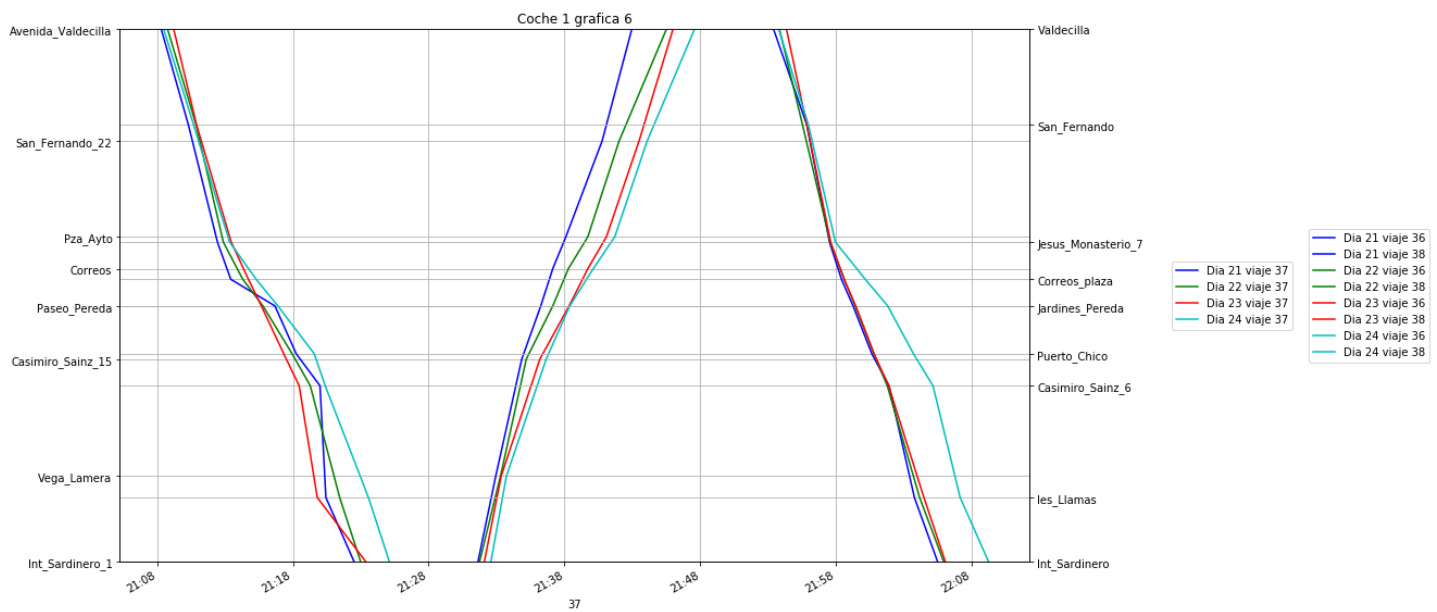
**Coche 1 grafica 5**

Gráfico evolución:



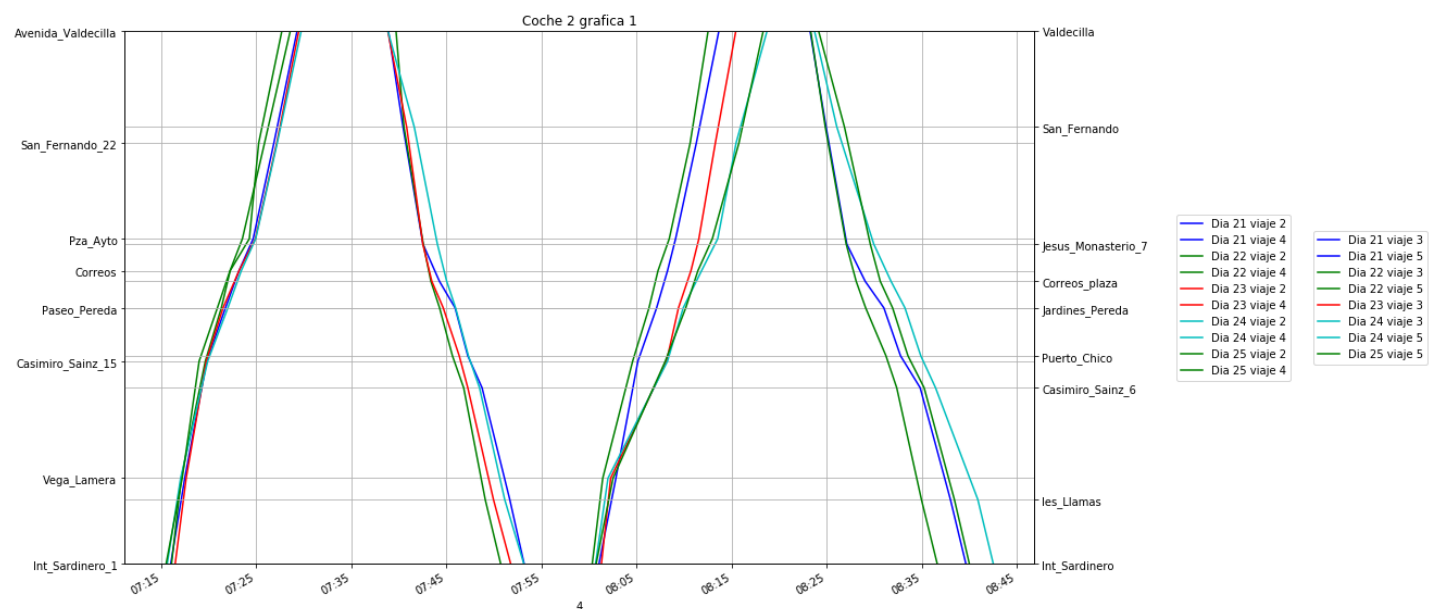
**Coche 1 grafica 6**

Gráfico evolución:



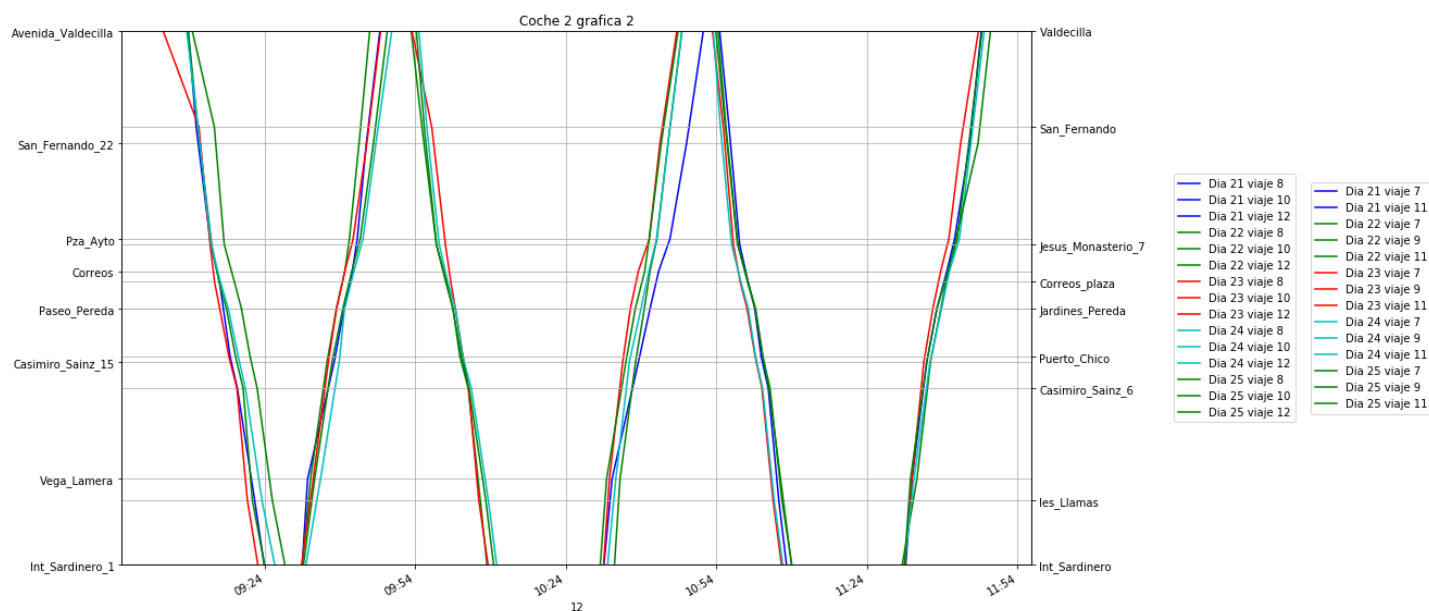
**Coche 2 grafica 1**

Gráfico evolución:



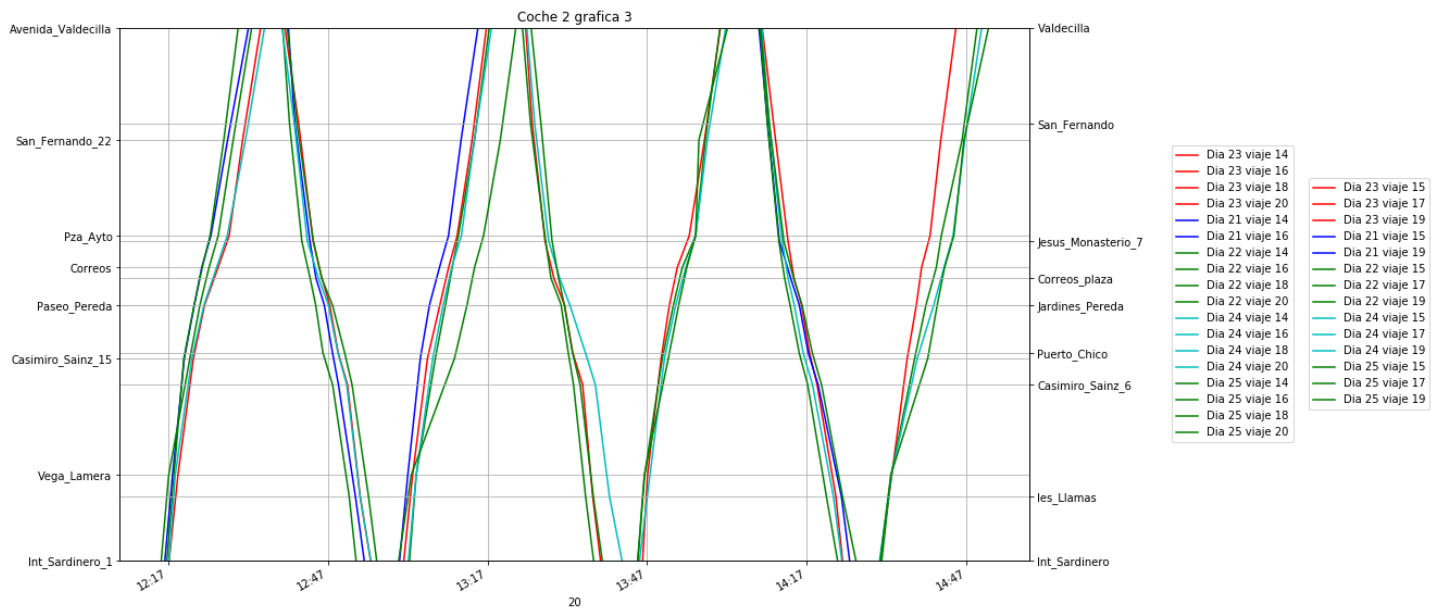
**Coche 2 grafica 2**

Gráfico evolución:



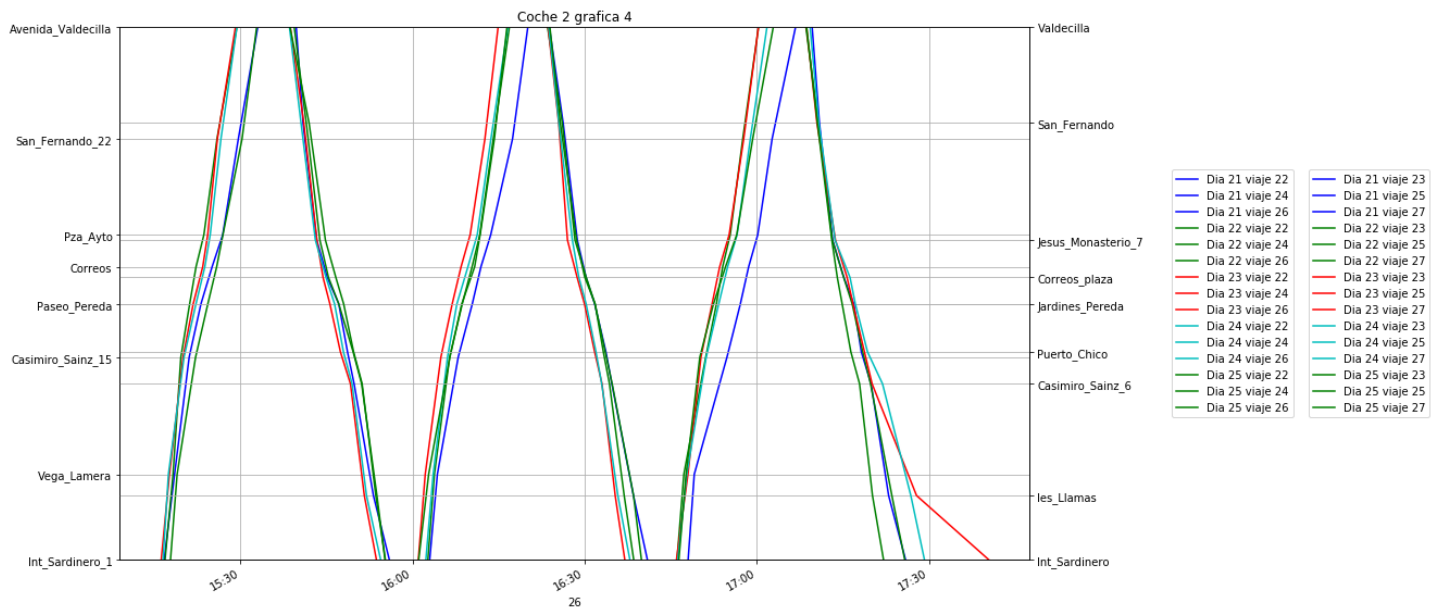
**Coche 2 grafica 3**

Gráfico evolución:



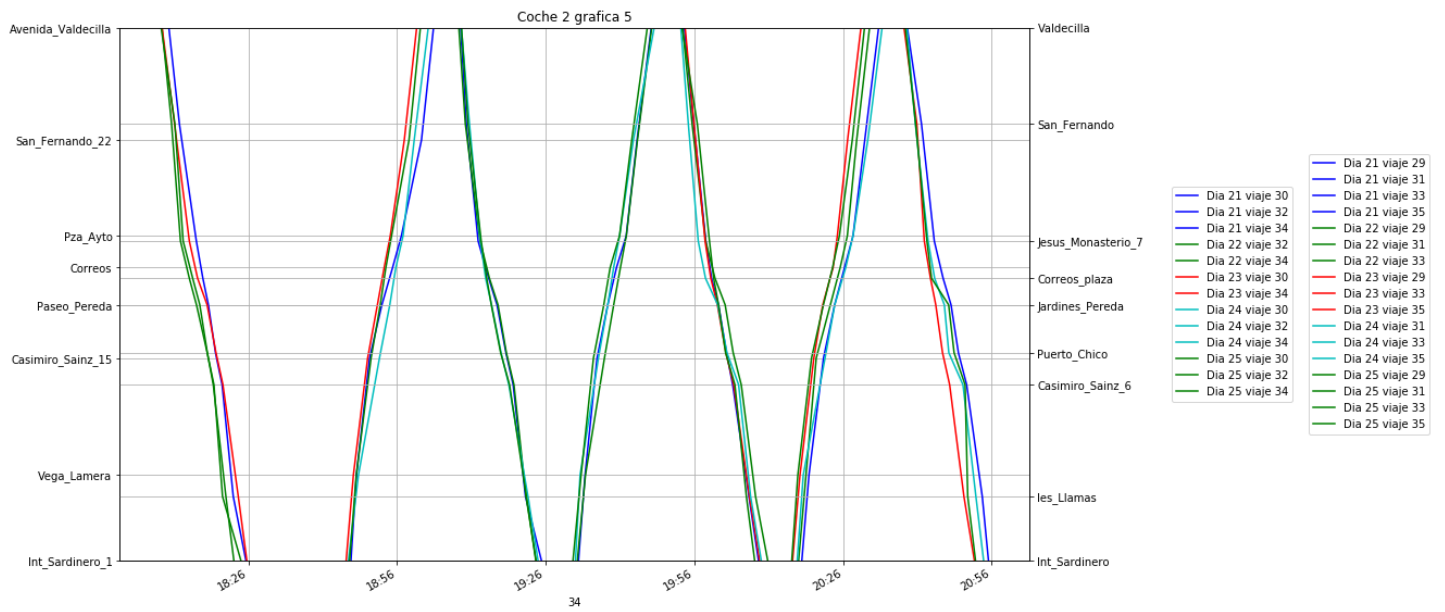
**Coche 2 grafica 4**

Gráfico evolución:



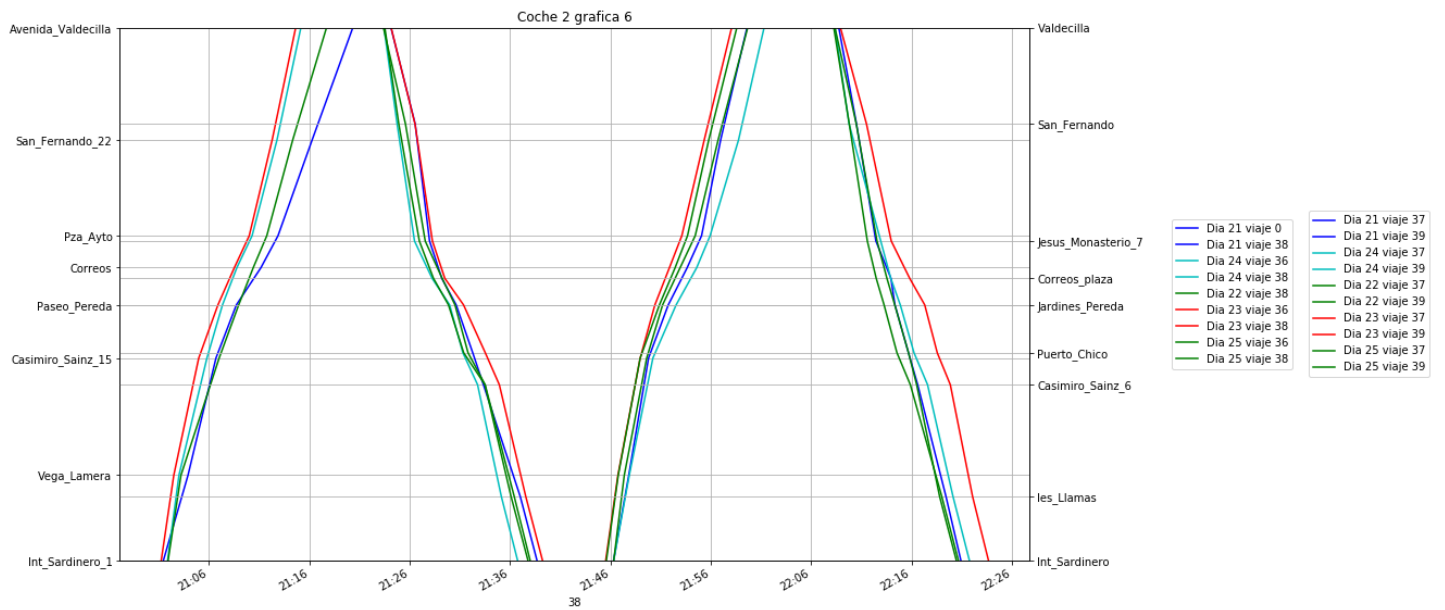
**Coche 2 grafica 5**

Gráfico evolución:



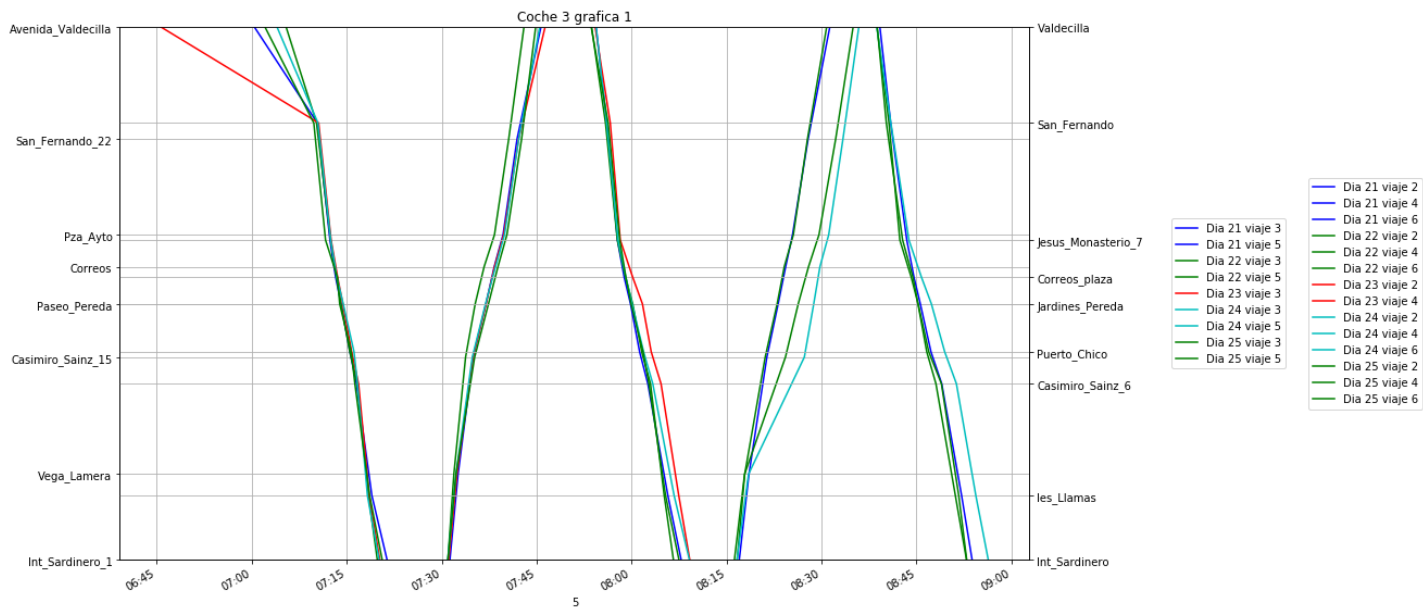
**Coche 2 grafica 6**

Gráfico evolución:



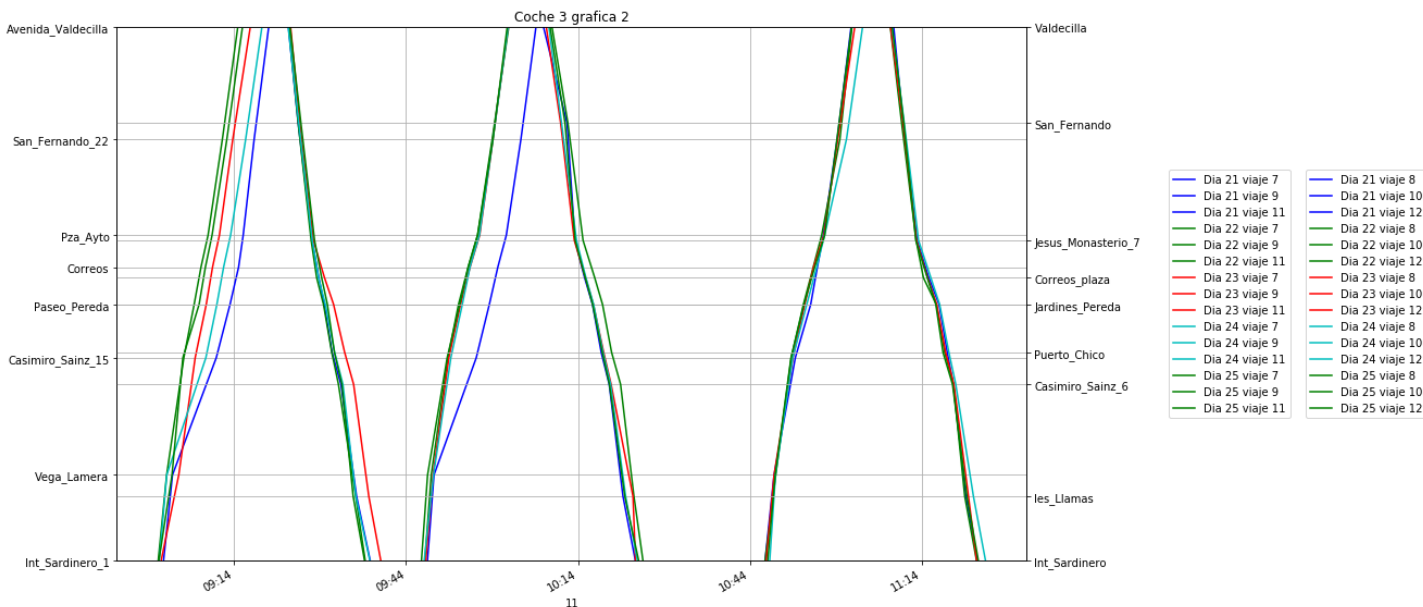
**Coche 3 grafica 1**

Gráfico evolución:



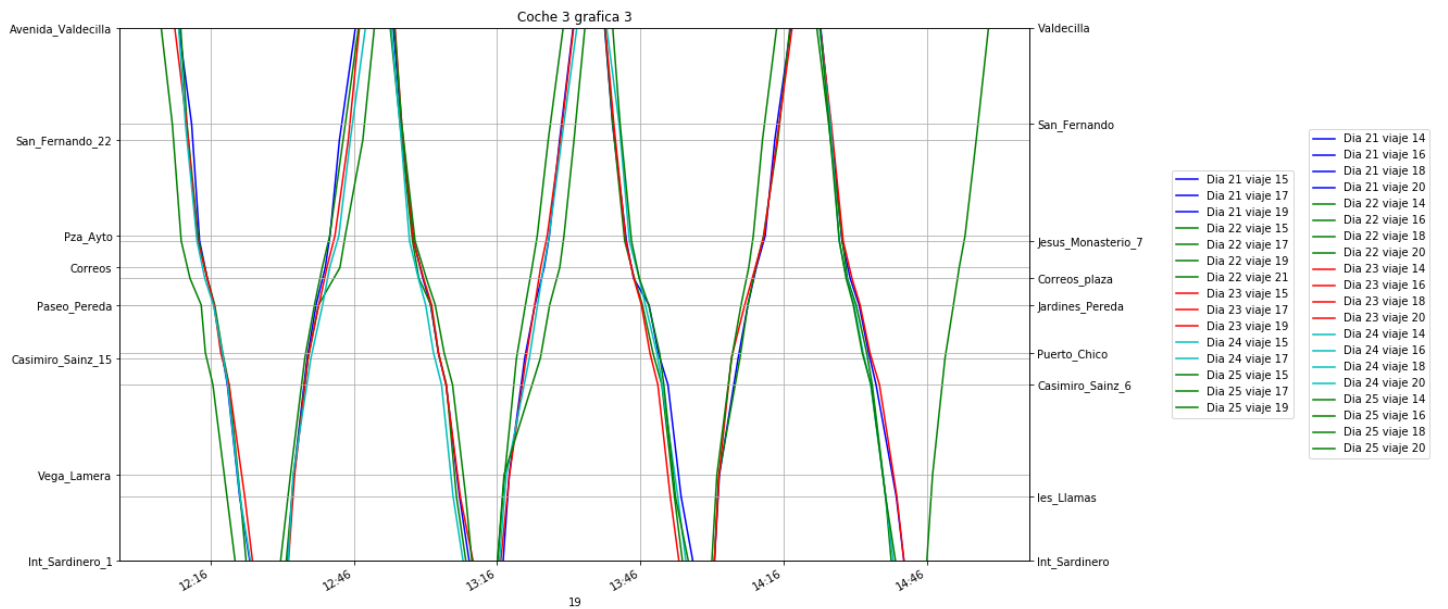
**Coche 3 grafica 2**

Gráfico evolución:



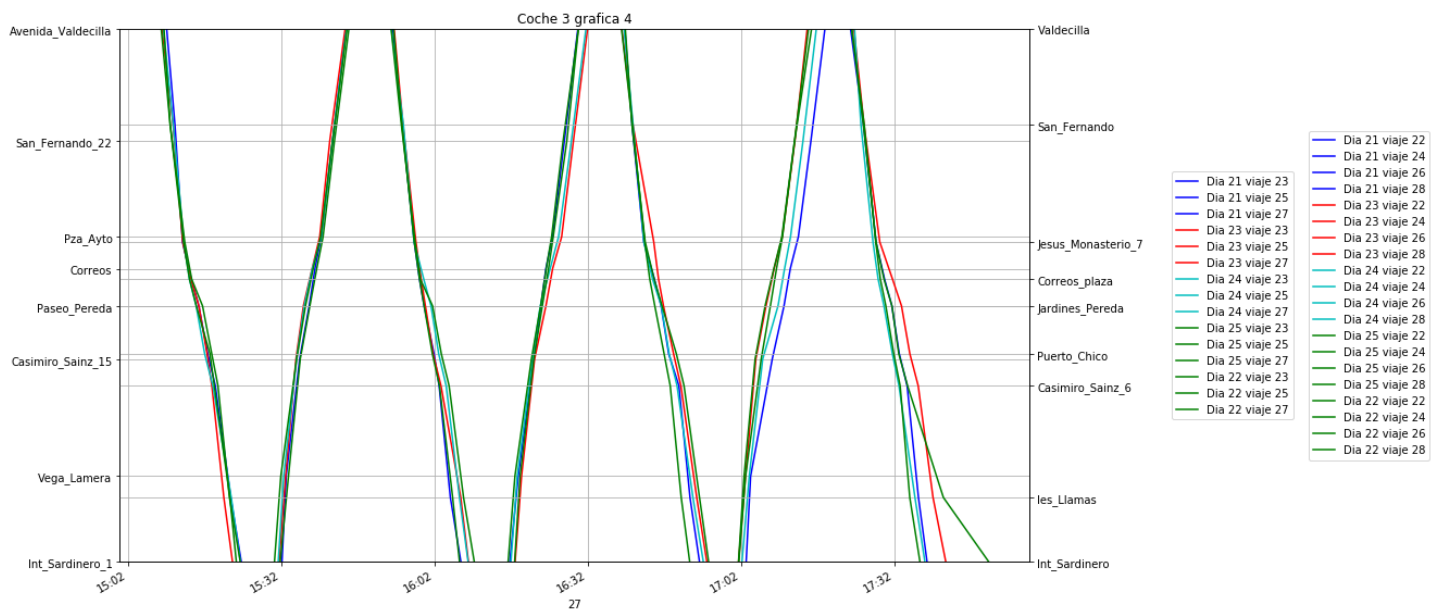
**Coche 3 grafica 3**

Gráfico evolución:



**Coche 3 grafica 4**

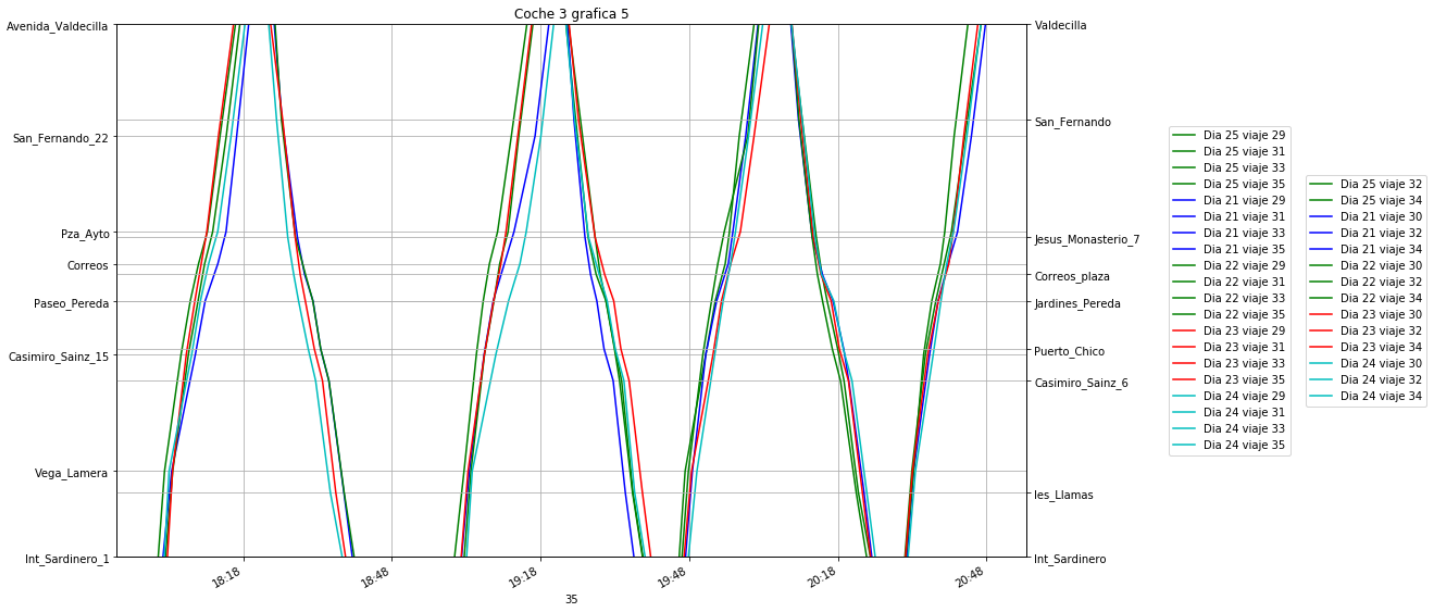
Gráfico evolución:



**Coche 3 grafica 5**

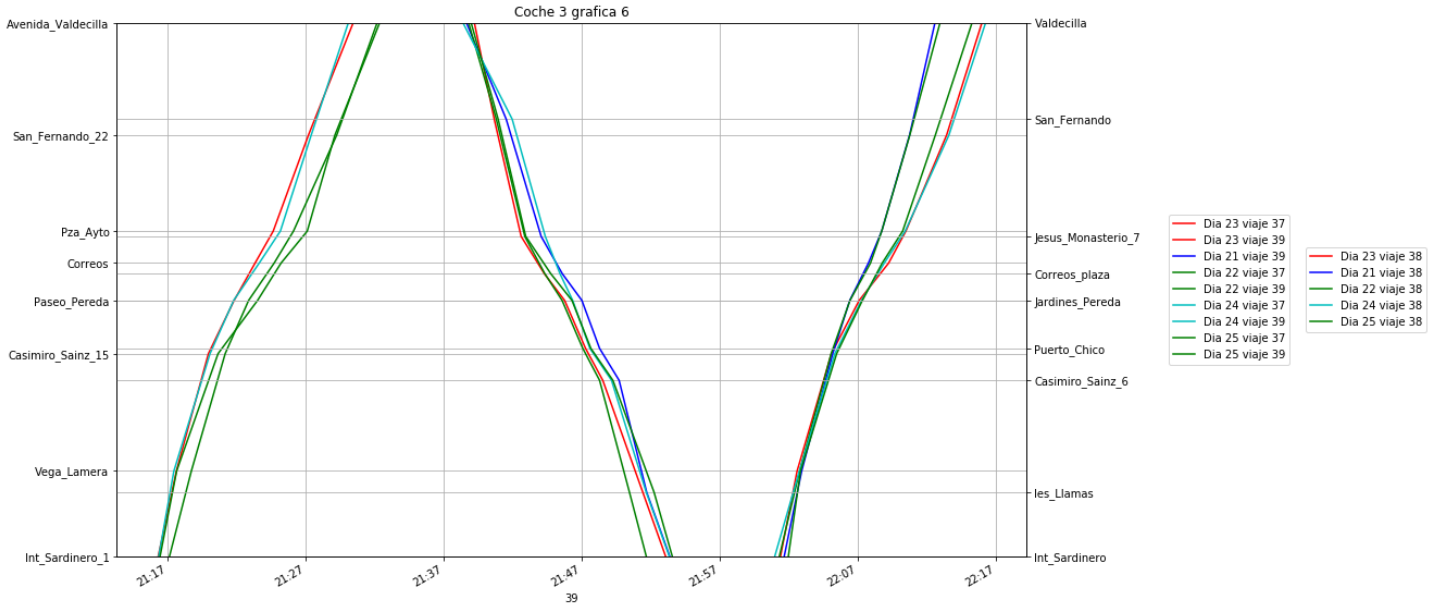
Gráfico evolución:





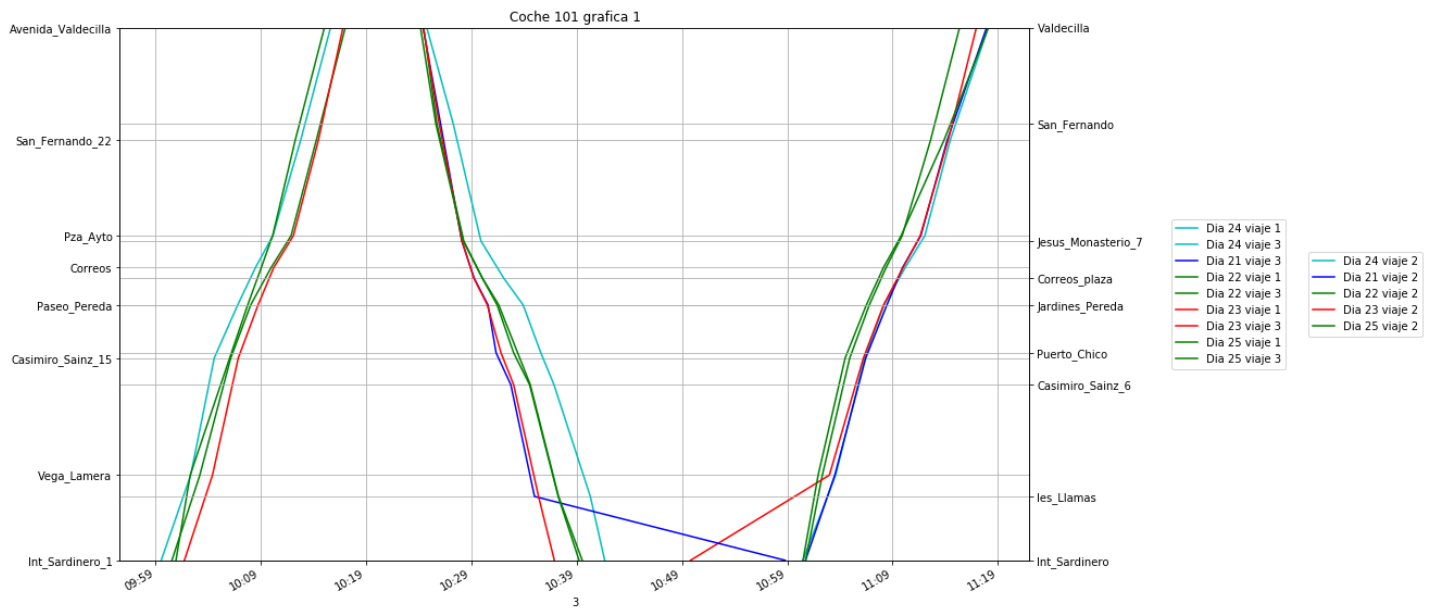
**Coche 3 grafica 6**

Gráfico evolución:



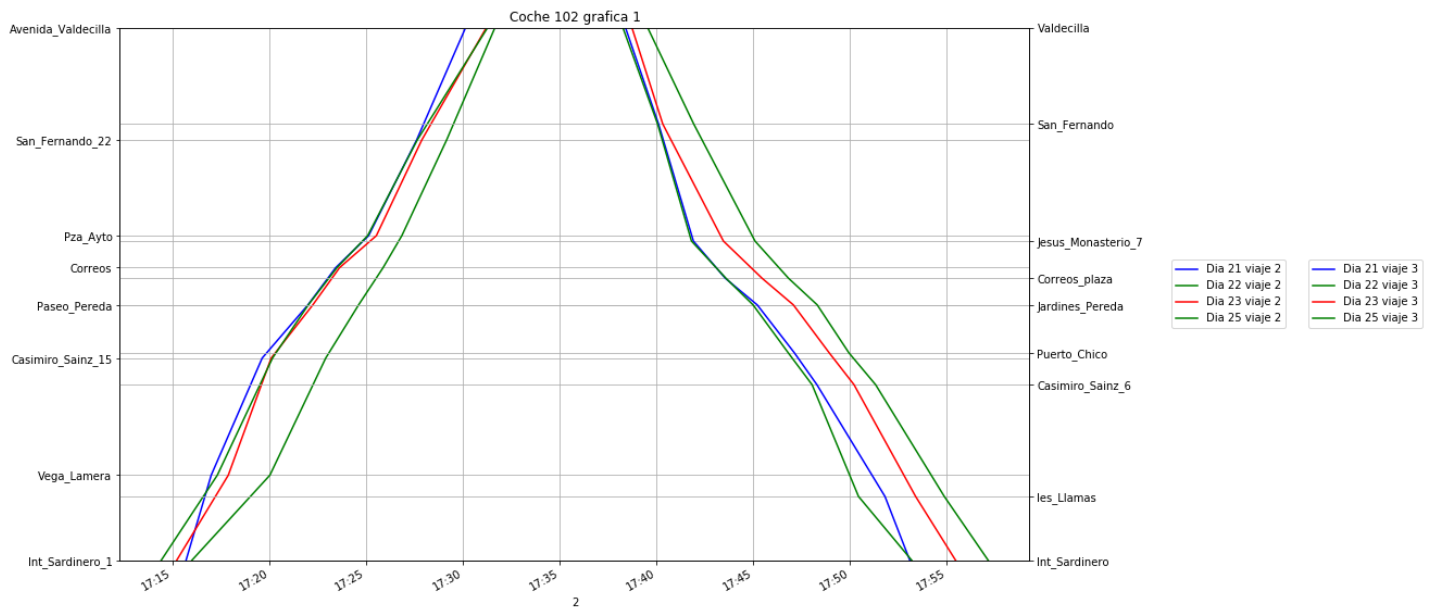
**Coche 101 grafica 1**

Gráfico evolución:



**Coche 102 grafica 1**

Gráfico evolución:



**Coche 102 grafica 1**

Gráfico evolución:

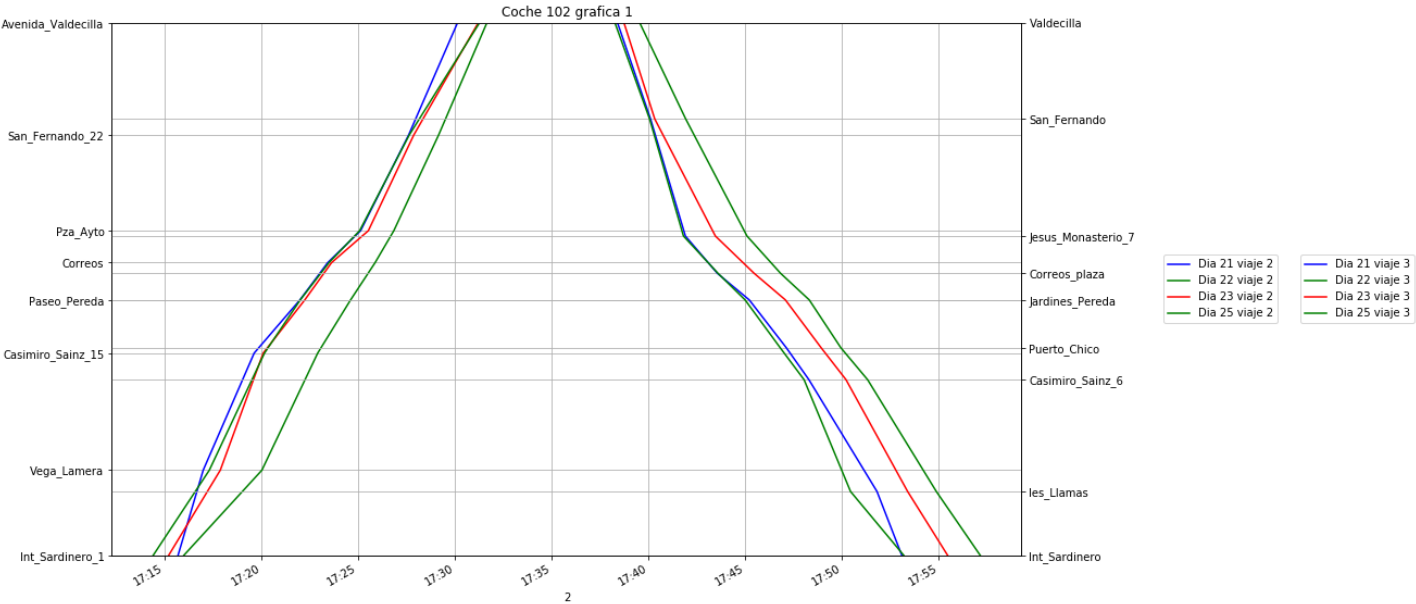


Tabla resumen velocidades y tiempos

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
1	Valdecilla_Sardinero	2	24.530000	12.922780	8.518586	3.479068
1	Sardinero_Valdecilla	3	14.133333	21.036739	1.762456	2.364092
1	Valdecilla_Sardinero	4	15.360000	19.160207	0.545767	0.689055
1	Sardinero_Valdecilla	5	16.350000	18.349244	2.577574	2.924626
1	Sardinero_Valdecilla	7	15.400000	19.202058	1.408111	1.621519
1	Valdecilla_Sardinero	8	14.722222	19.999741	0.702047	0.941735
1	Sardinero_Valdecilla	9	15.200000	19.572158	1.977161	2.214353
1	Valdecilla_Sardinero	10	15.720000	18.718591	0.515509	0.621563
1	Sardinero_Valdecilla	11	15.313333	19.422394	1.888209	2.268420
1	Valdecilla_Sardinero	12	16.360000	18.162869	1.973632	1.997647
1	Sardinero_Valdecilla	13	15.073333	19.649243	1.490833	1.834594
1	Valdecilla_Sardinero	14	15.420000	19.170842	1.218059	1.658642
1	Sardinero_Valdecilla	15	14.741667	19.992959	0.843109	1.154026
1	Valdecilla_Sardinero	16	14.706667	20.130195	1.300993	1.969930
1	Sardinero_Valdecilla	17	15.990000	18.548291	1.736440	1.865945
1	Valdecilla_Sardinero	18	16.130000	18.476004	2.174518	2.326533
1	Sardinero_Valdecilla	19	17.083333	17.340826	1.651641	1.697300
1	Valdecilla_Sardinero	20	16.326667	18.056097	0.933155	1.066786
1	Sardinero_Valdecilla	21	14.040000	21.012342	0.934716	1.356243
1	Valdecilla_Sardinero	22	14.756667	20.078946	1.496552	1.925605
1	Sardinero_Valdecilla	23	14.080000	21.027770	1.300822	1.991646
1	Valdecilla_Sardinero	24	15.853333	18.908622	2.657756	2.725026
1	Sardinero_Valdecilla	25	14.396667	20.684855	1.778475	2.671260
1	Valdecilla_Sardinero	26	14.537500	20.291522	0.960938	1.372097
1	Sardinero_Valdecilla	27	15.226667	19.351483	0.809973	1.017240
1	Sardinero_Valdecilla	29	15.743333	19.022344	2.438995	2.810165
1	Valdecilla_Sardinero	30	16.153333	18.758786	3.447914	3.295123
1	Sardinero_Valdecilla	31	16.200000	18.271468	1.523519	1.640337
1	Valdecilla_Sardinero	32	16.837500	17.515565	1.106327	1.107633
1	Sardinero_Valdecilla	33	16.408333	17.983970	1.177765	1.231609
1	Valdecilla_Sardinero	34	15.837500	18.713962	1.716282	1.852280
1	Valdecilla_Sardinero	36	14.775000	19.992517	1.217199	1.522033
1	Sardinero_Valdecilla	37	13.483333	22.039868	1.546561	2.741368
1	Valdecilla_Sardinero	38	12.816667	23.227351	1.754201	2.811602
2	Sardinero_Valdecilla	0	18.850000	15.596817	NaN	NaN
2	Sardinero_Valdecilla	2	13.003333	22.699537	0.896707	1.634091
2	Valdecilla_Sardinero	3	13.116667	22.669868	1.549612	2.891226
2	Sardinero_Valdecilla	4	14.903333	20.261186	2.747130	3.633173
2	Valdecilla_Sardinero	5	16.083333	18.559381	2.256226	2.676036
2	Valdecilla_Sardinero	7	17.016667	17.429817	1.761983	1.844196
2	Sardinero_Valdecilla	8	15.676667	18.886711	1.421199	1.834801
2	Valdecilla_Sardinero	9	15.266667	19.260085	0.198606	0.250375
2	Sardinero_Valdecilla	10	15.613333	19.156860	2.446011	2.622533
2	Valdecilla_Sardinero	11	14.133333	20.845558	0.726961	1.061863
2	Sardinero_Valdecilla	12	15.716667	18.761545	0.962924	1.129484
2	Sardinero_Valdecilla	14	16.220000	18.320928	1.786189	2.221878
2	Valdecilla_Sardinero	15	15.496667	19.100384	1.400268	1.779495
2	Sardinero_Valdecilla	16	16.550000	18.166263	3.060047	2.721116
2	Valdecilla_Sardinero	17	14.650000	20.360200	2.158703	2.644156
2	Sardinero_Valdecilla	18	15.754167	18.716827	0.983886	1.177386

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
2	Valdecilla_Sardinero	19	15.913333	18.595581	1.459090	1.644244
2	Sardinero_Valdecilla	20	17.891667	16.732716	2.631029	2.735154
2	Sardinero_Valdecilla	22	13.926667	21.337088	1.652212	2.390005
2	Valdecilla_Sardinero	23	15.906667	18.504106	0.598099	0.708193
2	Sardinero_Valdecilla	24	14.973333	19.748662	1.315010	1.621270
2	Valdecilla_Sardinero	25	15.106667	19.625059	1.556019	1.987344
2	Sardinero_Valdecilla	26	15.836667	18.758992	1.861056	2.075808
2	Valdecilla_Sardinero	27	19.700000	16.225300	7.100910	4.670642
2	Valdecilla_Sardinero	29	15.791667	18.673905	1.008345	1.181192
2	Sardinero_Valdecilla	30	15.308333	19.301489	1.252146	1.569590
2	Valdecilla_Sardinero	31	15.579167	18.888001	0.536514	0.644702
2	Sardinero_Valdecilla	32	15.129167	19.449167	0.515029	0.646545
2	Valdecilla_Sardinero	33	15.596667	18.918125	1.064412	1.245311
2	Sardinero_Valdecilla	34	15.070000	19.619881	1.301036	1.609286
2	Valdecilla_Sardinero	35	15.041667	19.619475	1.075183	1.376801
2	Sardinero_Valdecilla	36	14.138889	20.925120	1.410903	1.975330
2	Valdecilla_Sardinero	37	14.350000	20.523292	0.656167	0.970840
2	Sardinero_Valdecilla	38	13.420000	21.985703	0.921306	1.423988
2	Valdecilla_Sardinero	39	12.950000	22.832123	1.124907	1.864659
3	Valdecilla_Sardinero	2	20.880000	15.436163	8.011852	4.555579
3	Sardinero_Valdecilla	3	13.983333	21.161888	1.208879	1.983112
3	Valdecilla_Sardinero	4	13.963333	21.118439	0.854352	1.294038
3	Sardinero_Valdecilla	5	16.591667	18.097447	2.770028	3.017107
3	Valdecilla_Sardinero	6	15.095833	19.638811	1.670738	1.967269
3	Sardinero_Valdecilla	7	16.056667	18.534865	1.991844	2.268863
3	Valdecilla_Sardinero	8	14.113333	20.923008	1.061864	1.525408
3	Sardinero_Valdecilla	9	15.500000	19.173136	1.932327	2.060589
3	Valdecilla_Sardinero	10	15.666667	18.770121	0.261672	0.311576
3	Sardinero_Valdecilla	11	15.286667	19.254711	0.587178	0.724947
3	Valdecilla_Sardinero	12	15.203333	19.364507	0.644787	0.785533
3	Valdecilla_Sardinero	14	15.040000	19.610642	0.944252	1.252095
3	Sardinero_Valdecilla	15	15.986667	18.540359	1.635942	1.839332
3	Valdecilla_Sardinero	16	15.836667	18.580471	0.511859	0.617368
3	Sardinero_Valdecilla	17	15.620000	19.001676	1.741543	2.022414
3	Valdecilla_Sardinero	18	16.483333	17.904216	1.170767	1.198559
3	Sardinero_Valdecilla	19	15.395833	19.195915	1.232836	1.662833
3	Valdecilla_Sardinero	20	16.343333	18.047204	1.048650	1.134281
3	Sardinero_Valdecilla	21	12.900000	22.790698	NaN	NaN
3	Valdecilla_Sardinero	22	14.596667	20.175797	0.672206	0.929141
3	Sardinero_Valdecilla	23	13.280000	22.176213	0.615810	1.015985
3	Valdecilla_Sardinero	24	14.396667	20.565071	1.353770	1.914340
3	Sardinero_Valdecilla	25	13.670000	21.572566	0.835032	1.344486
3	Valdecilla_Sardinero	26	15.266667	19.381543	1.335623	1.773864
3	Sardinero_Valdecilla	27	14.250000	20.679851	0.777728	1.106606
3	Valdecilla_Sardinero	28	17.346667	18.087569	5.541540	4.526844
3	Sardinero_Valdecilla	29	15.493333	19.120138	1.476416	1.898933
3	Valdecilla_Sardinero	30	15.395833	19.113403	0.534439	0.665628
3	Sardinero_Valdecilla	31	15.560000	19.106490	1.865200	2.210682
3	Valdecilla_Sardinero	32	15.243333	19.384686	1.175538	1.584495
3	Sardinero_Valdecilla	33	15.470000	19.064850	1.004670	1.162048
3	Valdecilla_Sardinero	34	16.023333	18.371997	0.641244	0.742542
3	Sardinero_Valdecilla	35	14.600000	20.270468	1.274264	1.916020
3	Sardinero_Valdecilla	37	14.695833	20.070330	0.970526	1.306405
3	Valdecilla_Sardinero	38	14.186667	20.785019	0.842401	1.292095
3	Sardinero_Valdecilla	39	13.140000	22.745282	1.860429	3.285004
101	Sardinero_Valdecilla	1	15.412500	19.145430	1.064962	1.351944
101	Valdecilla_Sardinero	2	18.756667	17.736861	8.869115	5.608024
101	Sardinero_Valdecilla	3	18.816667	16.304546	4.812931	3.376141
102	Sardinero_Valdecilla	2	16.153333	18.293656	1.284977	1.466307
102	Valdecilla_Sardinero	3	15.975000	18.509954	1.405380	1.610517
102	Sardinero_Valdecilla	4	21.333333	15.089704	8.291604	4.307443