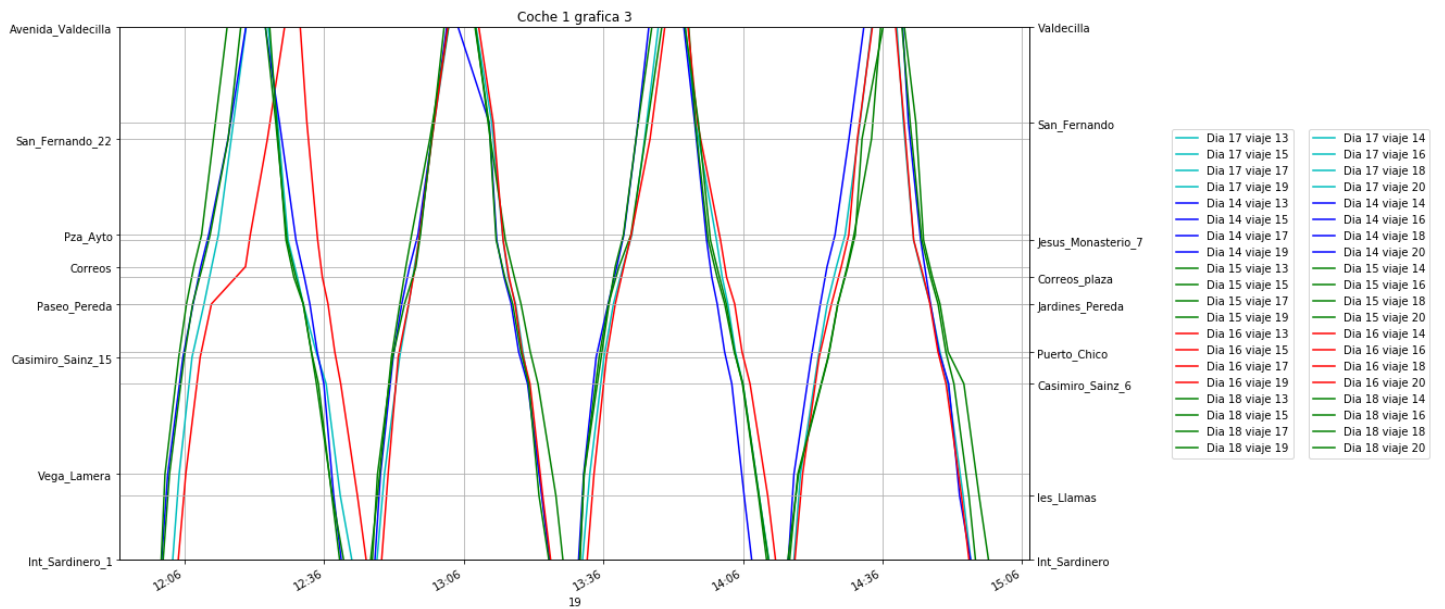
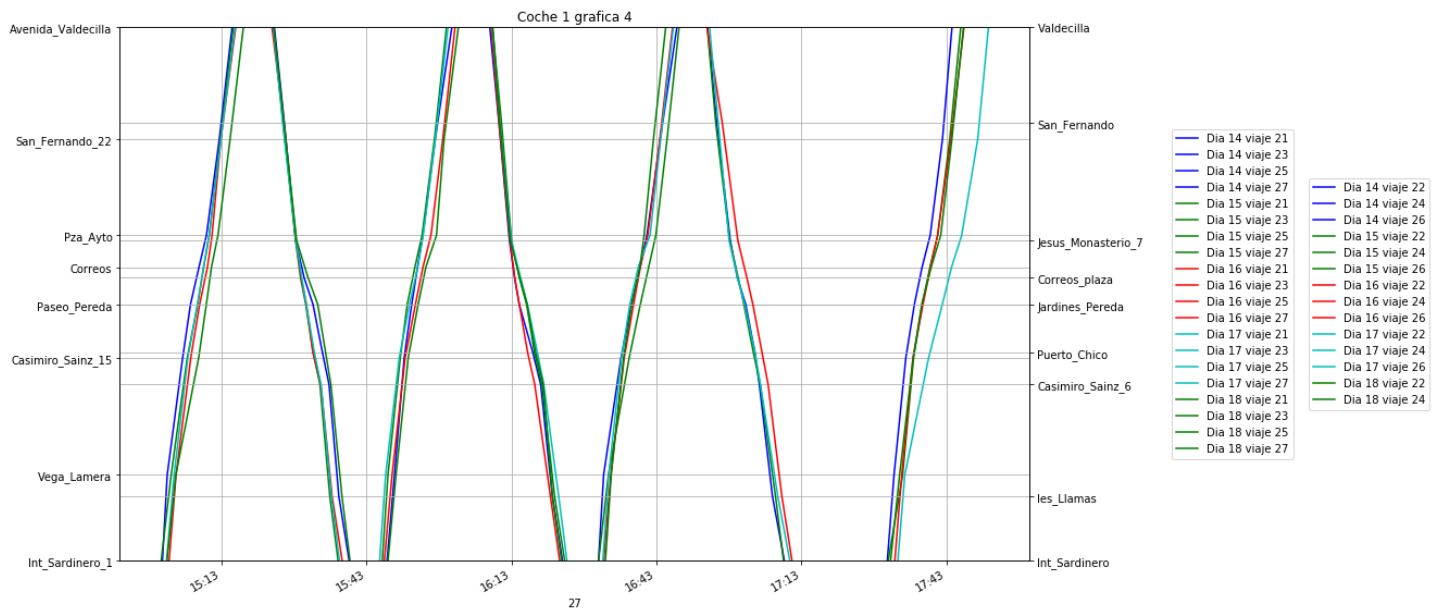


Gráfico evolución:



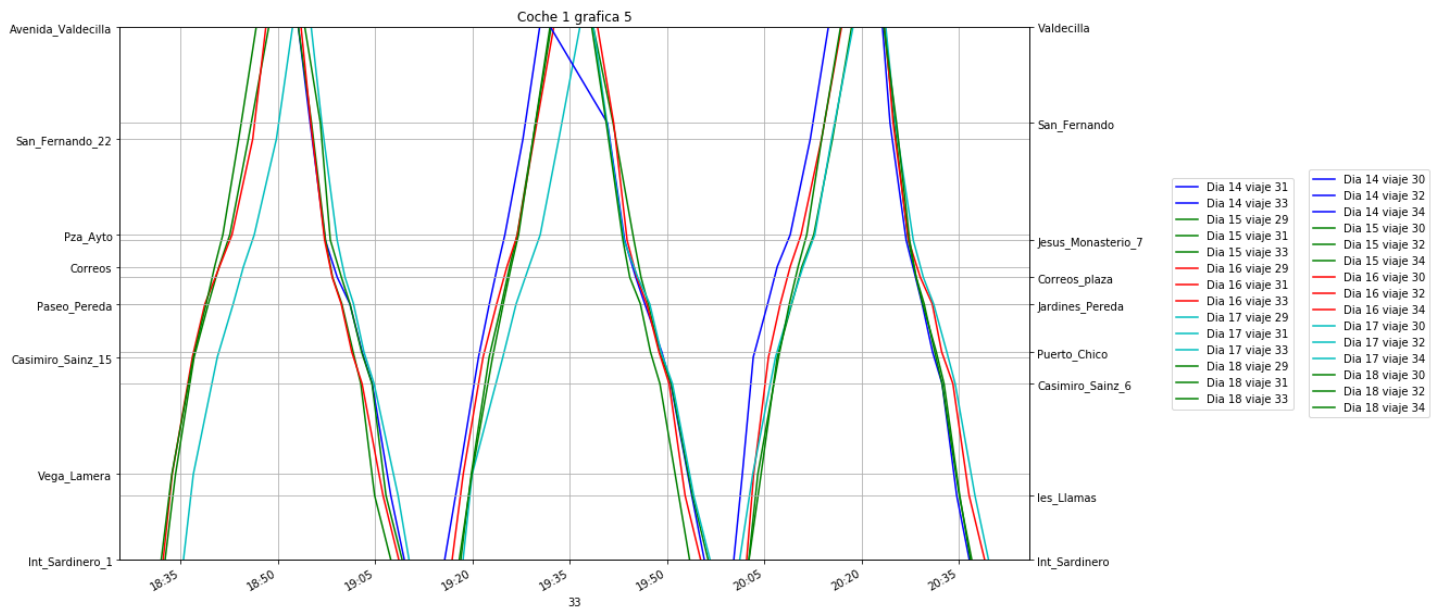
**Coche 1 grafica 4**

Gráfico evolución:



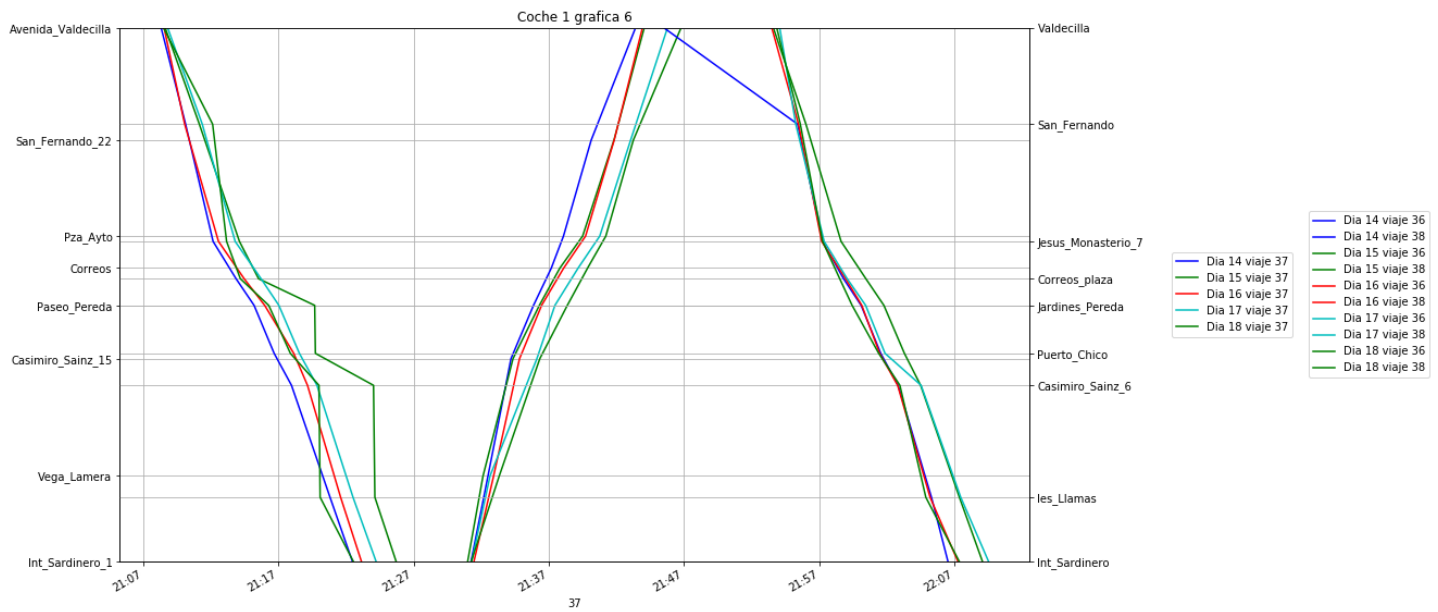
**Coche 1 grafica 5**

Gráfico evolución:



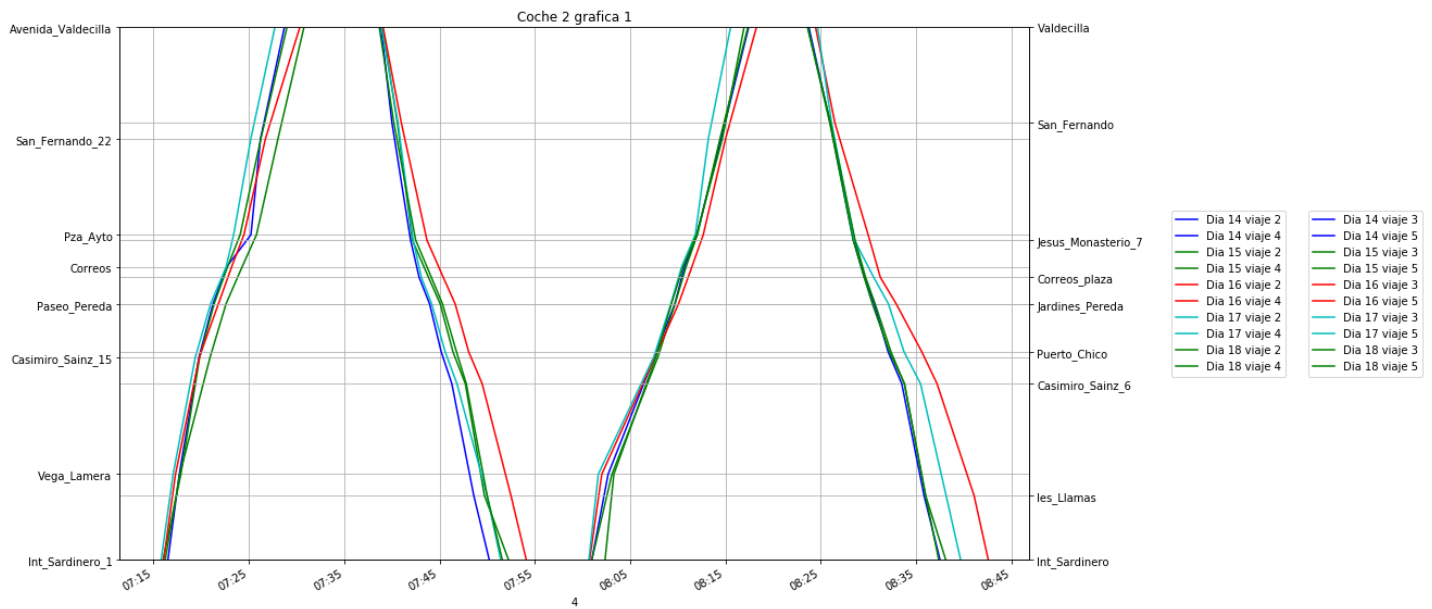
**Coche 1 grafica 6**

Gráfico evolución:



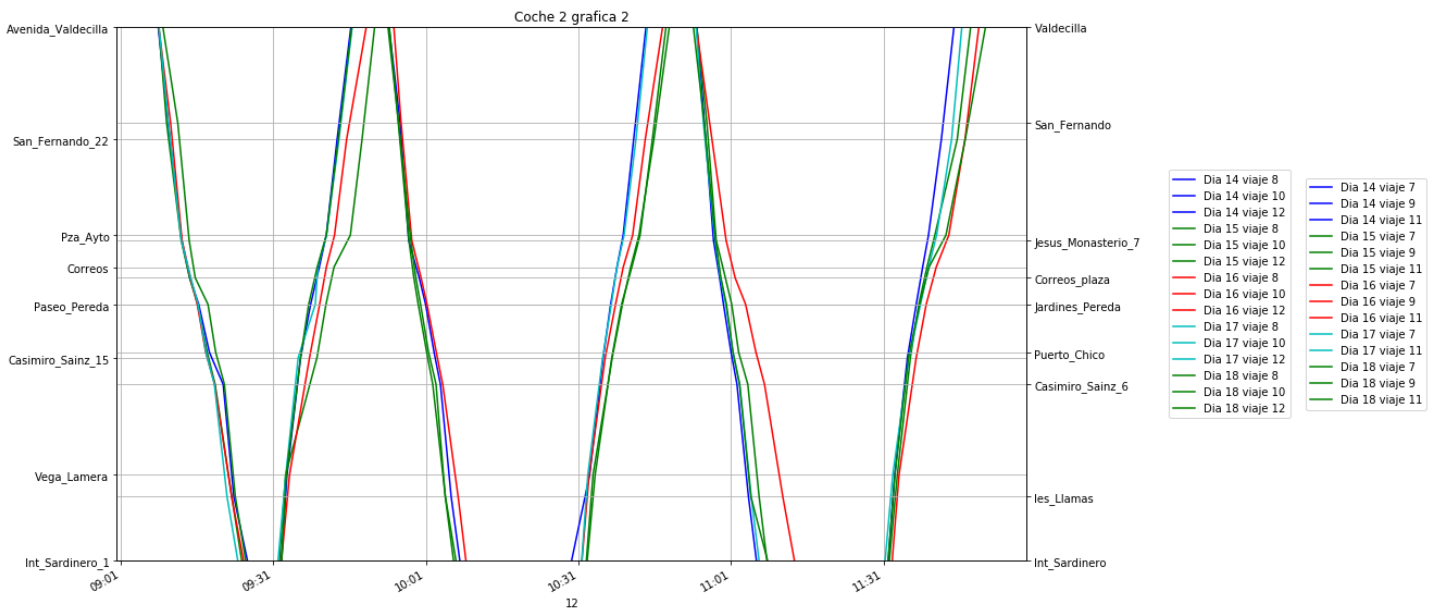
**Coche 2 grafica 1**

Gráfico evolución:



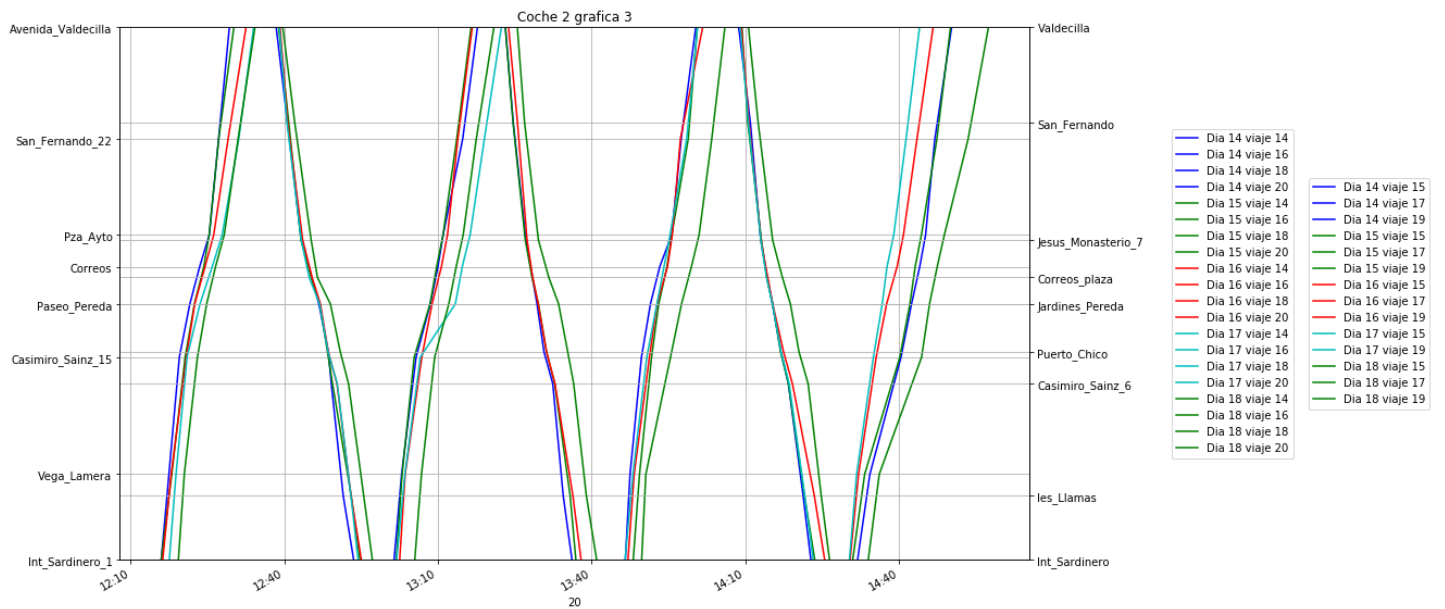
**Coche 2 grafica 2**

Gráfico evolución:



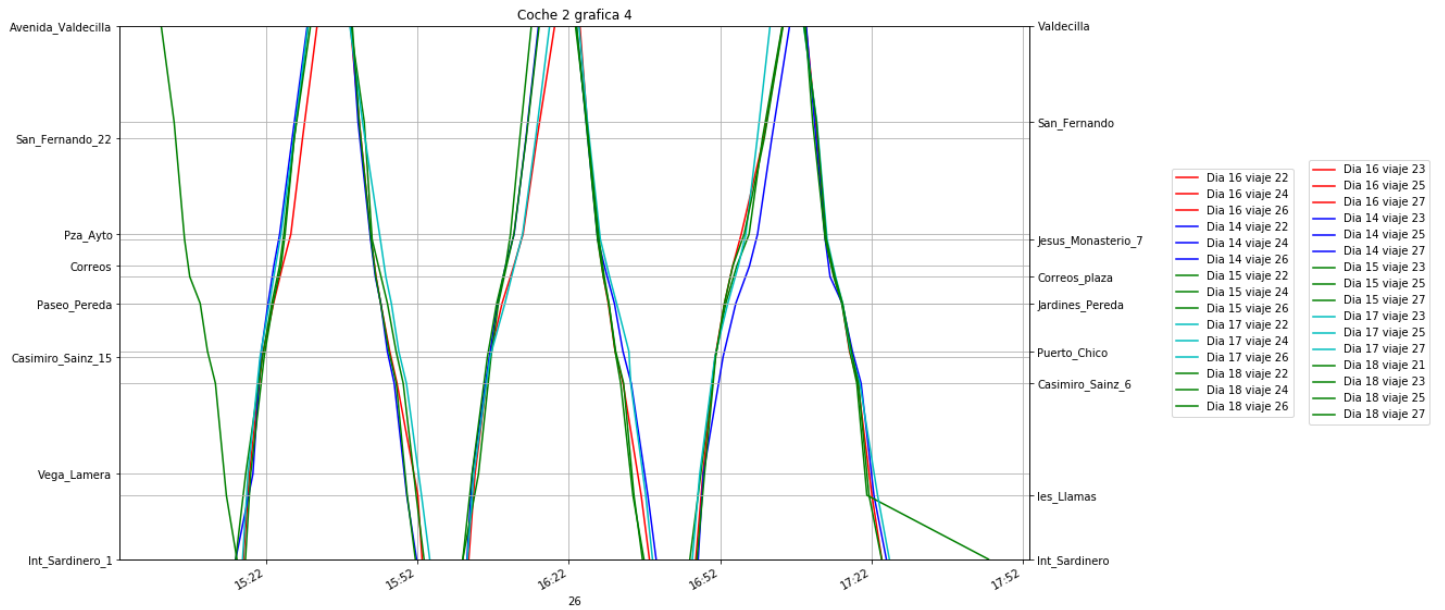
**Coche 2 grafica 3**

Gráfico evolución:



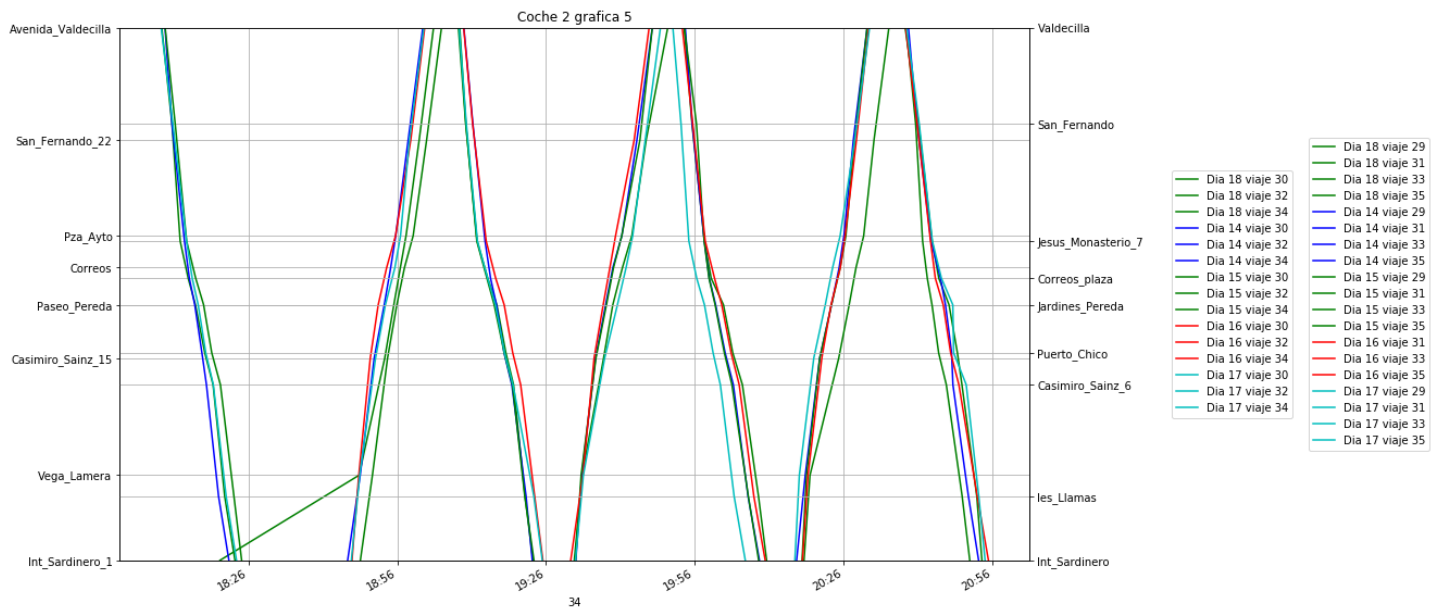
**Coche 2 grafica 4**

Gráfico evolución:



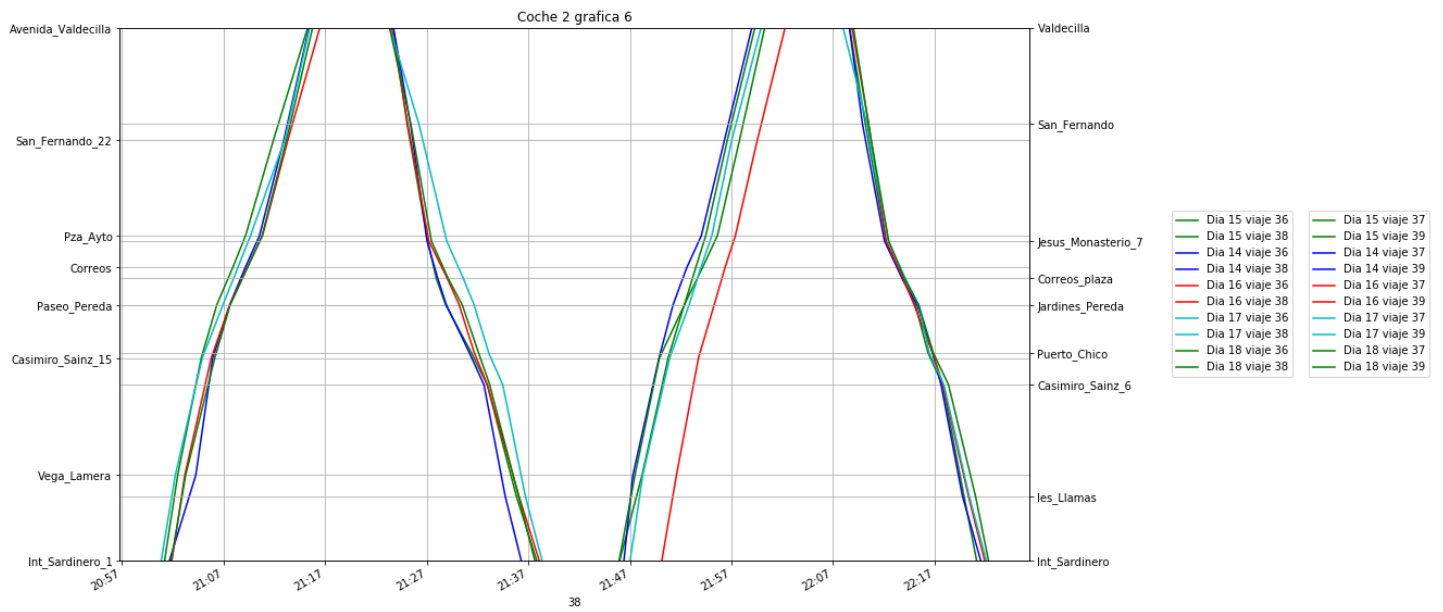
**Coche 2 grafica 5**

Gráfico evolución:



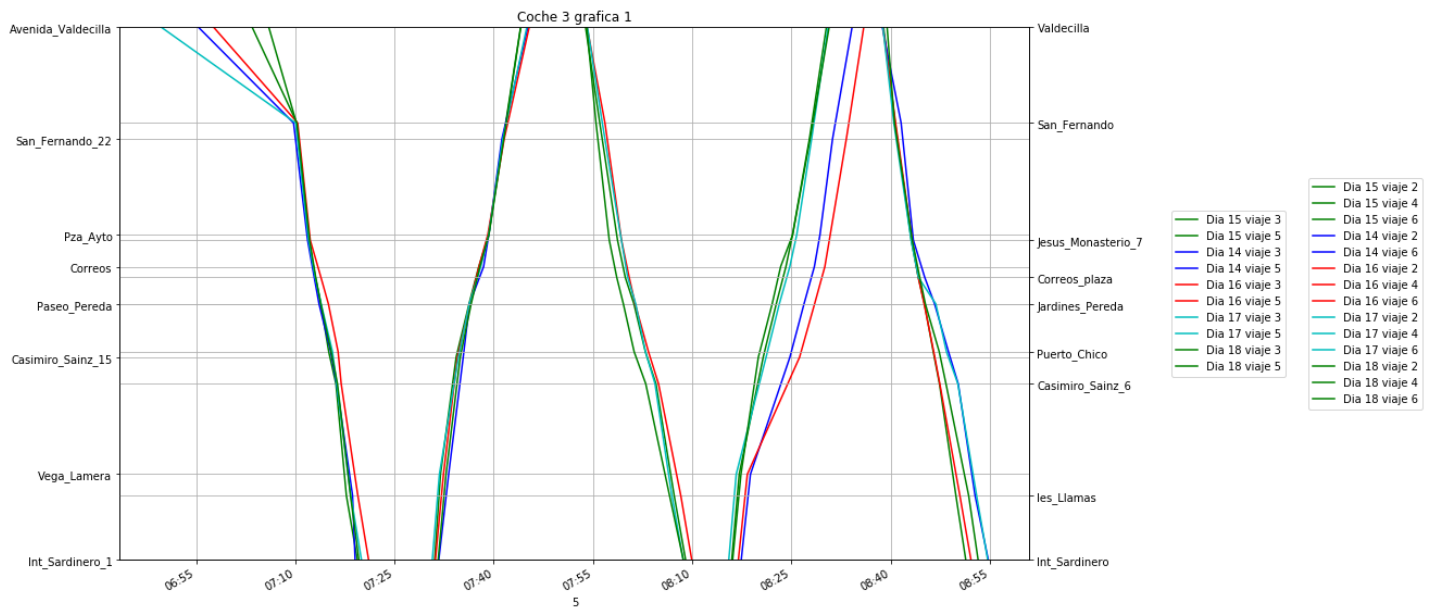
**Coche 2 grafica 6**

Gráfico evolución:



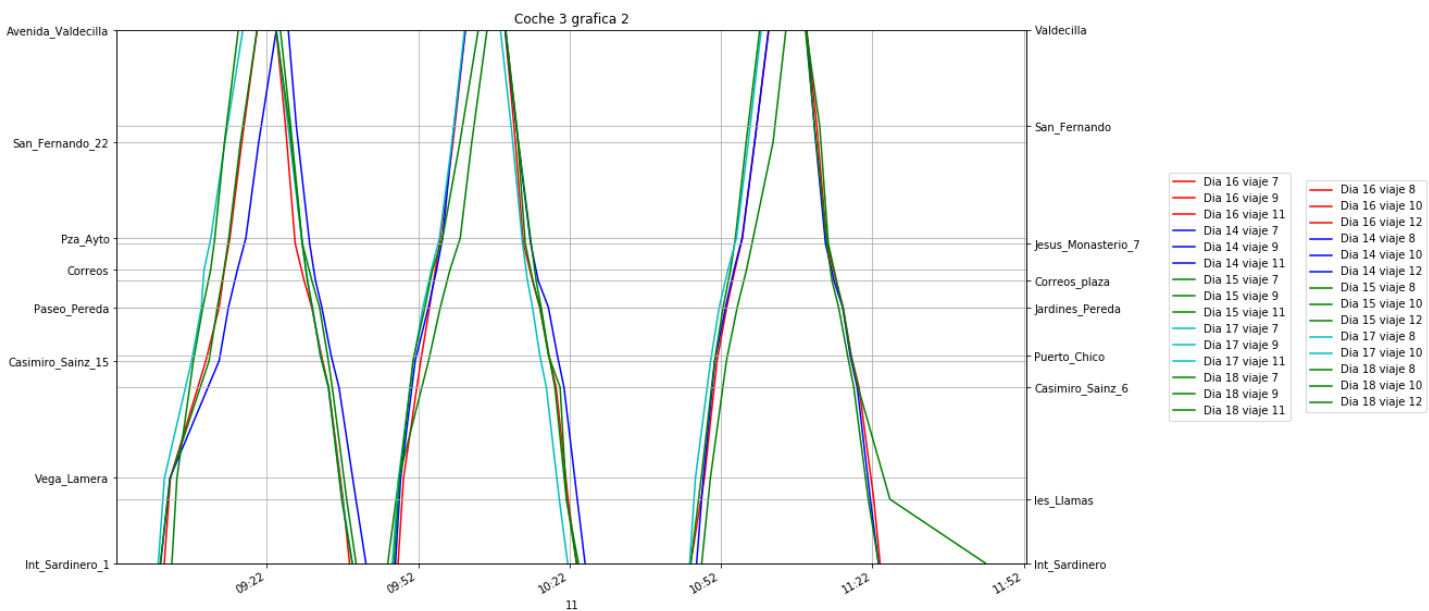
**Coche 3 grafica 1**

Gráfico evolución:



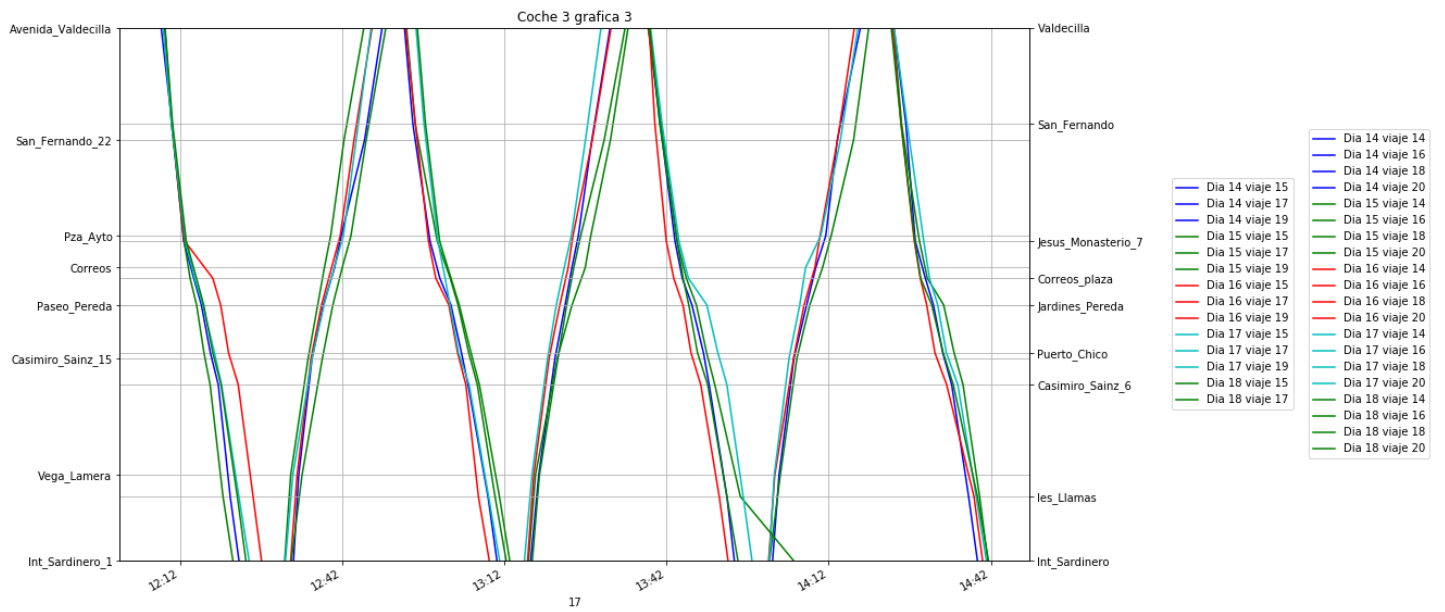
**Coche 3 grafica 2**

Gráfico evolución:



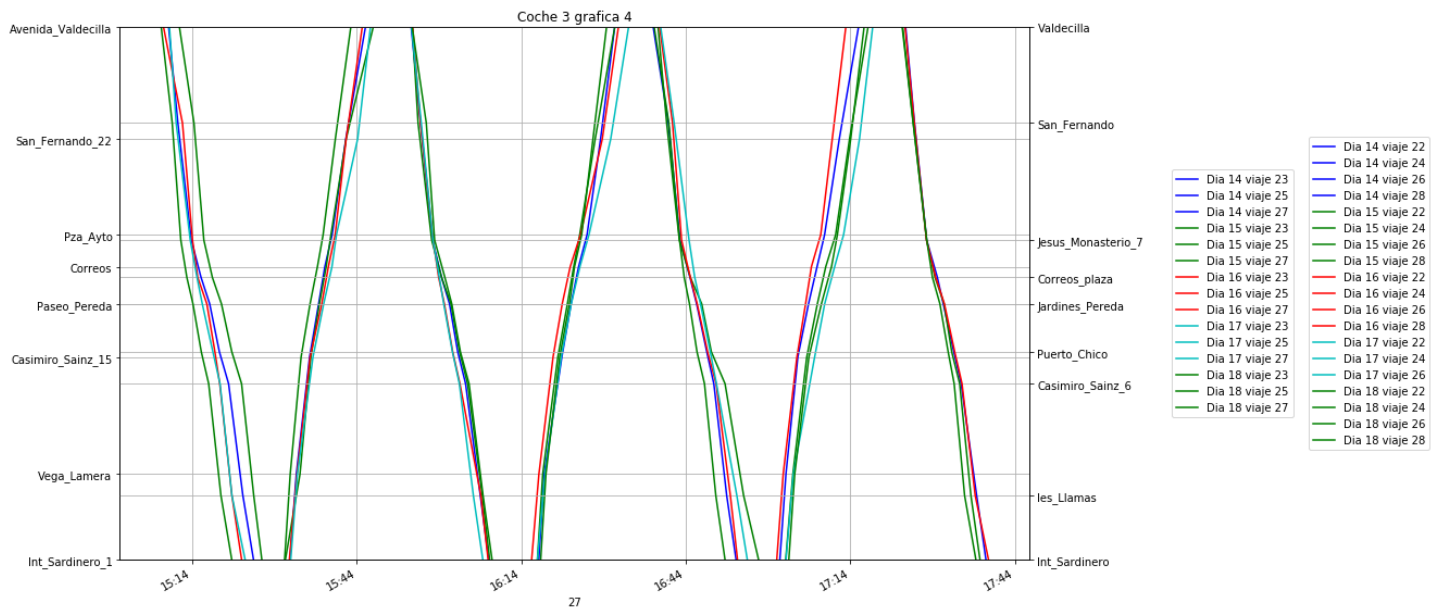
**Coche 3 grafica 3**

Gráfico evolución:



**Coche 3 grafica 4**

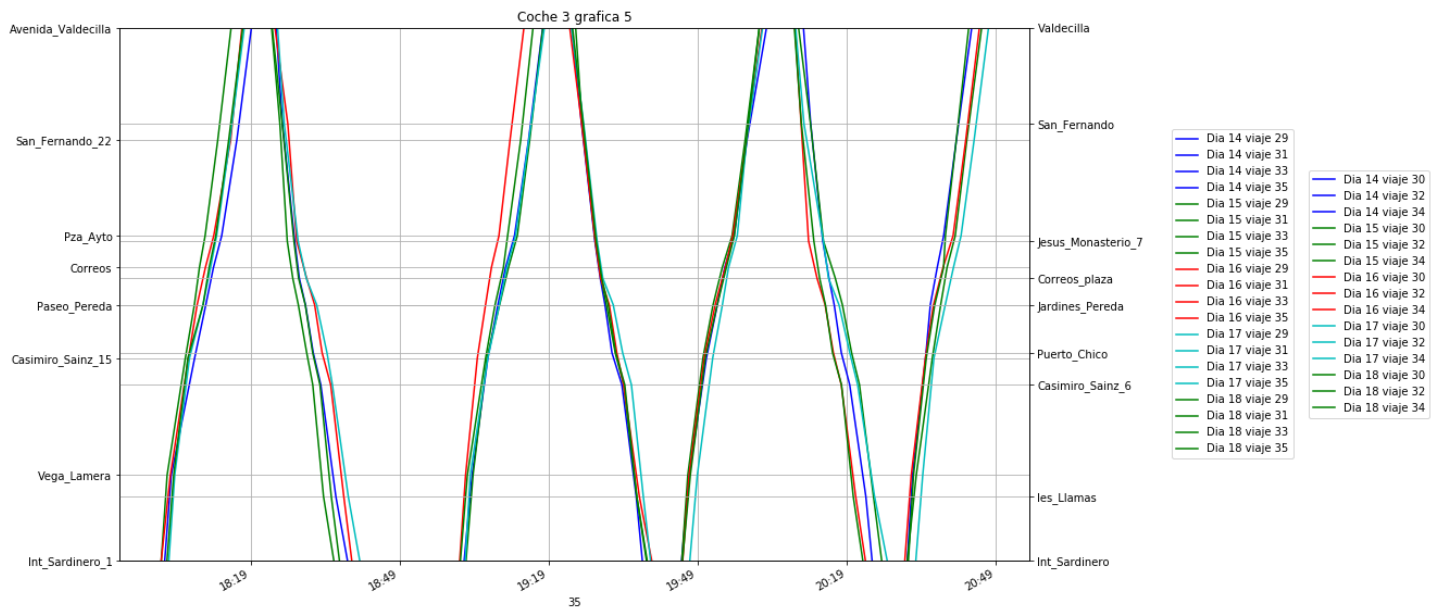
Gráfico evolución:



**Coche 3 grafica 5**

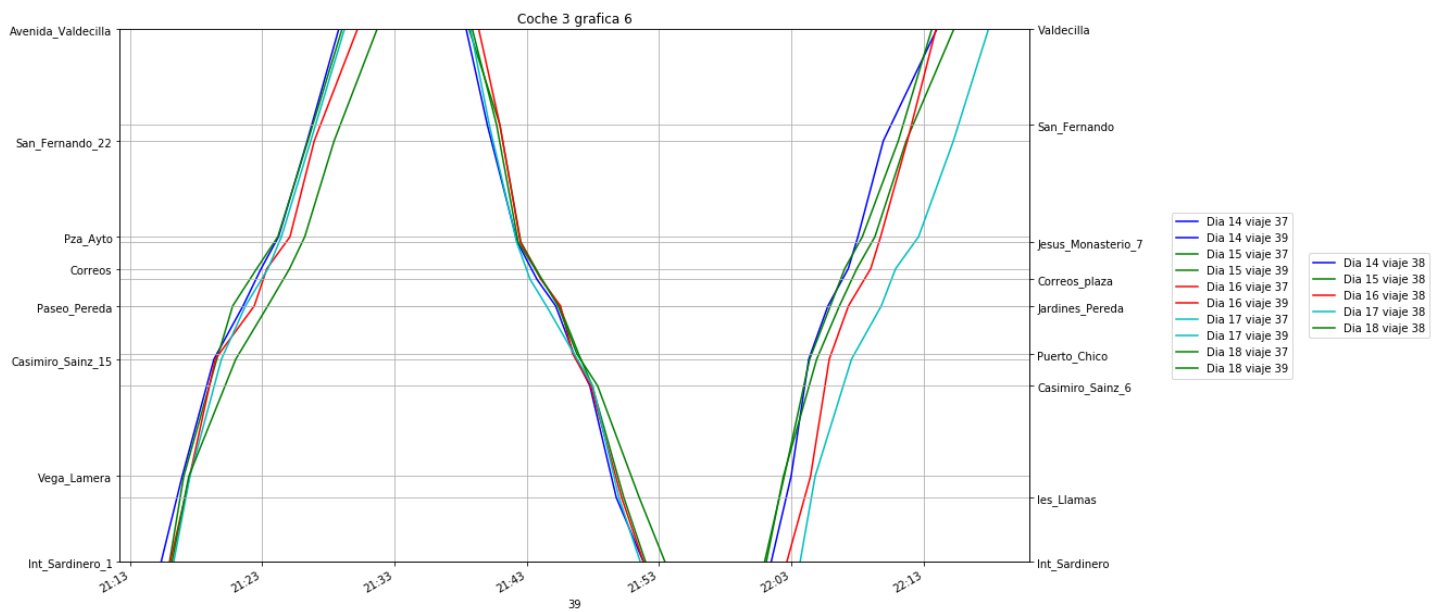
Gráfico evolución:





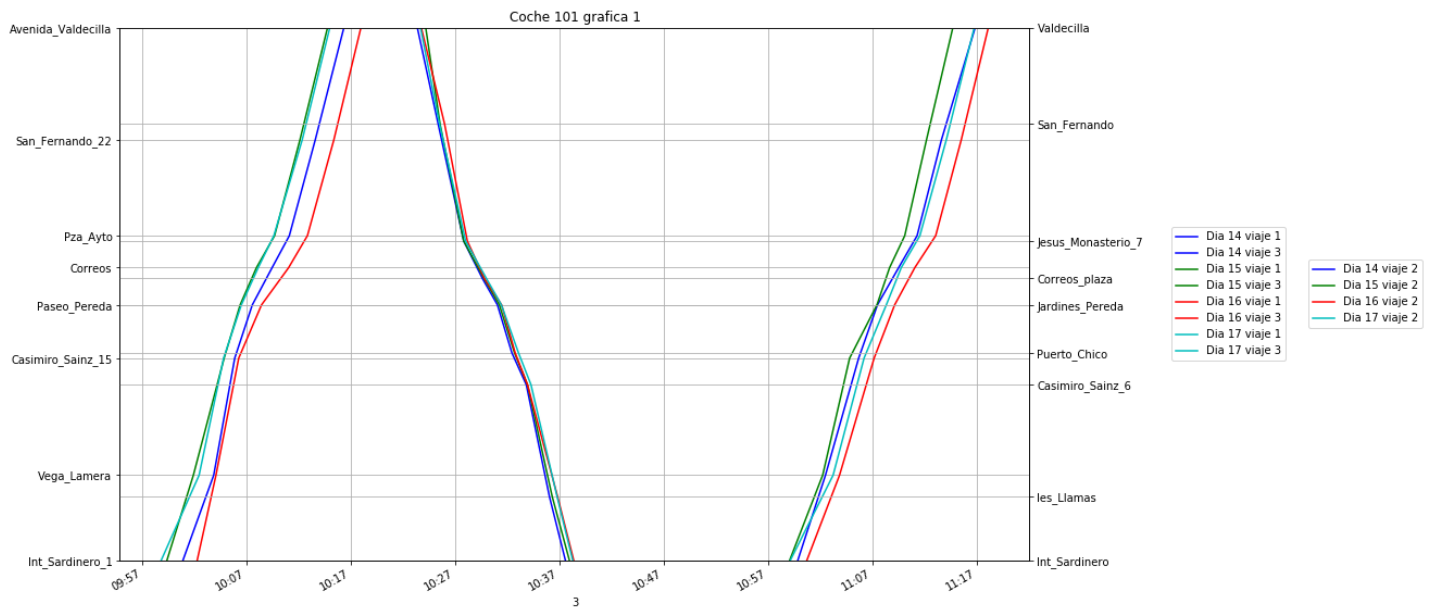
**Coche 3 grafica 6**

Gráfico evolución:



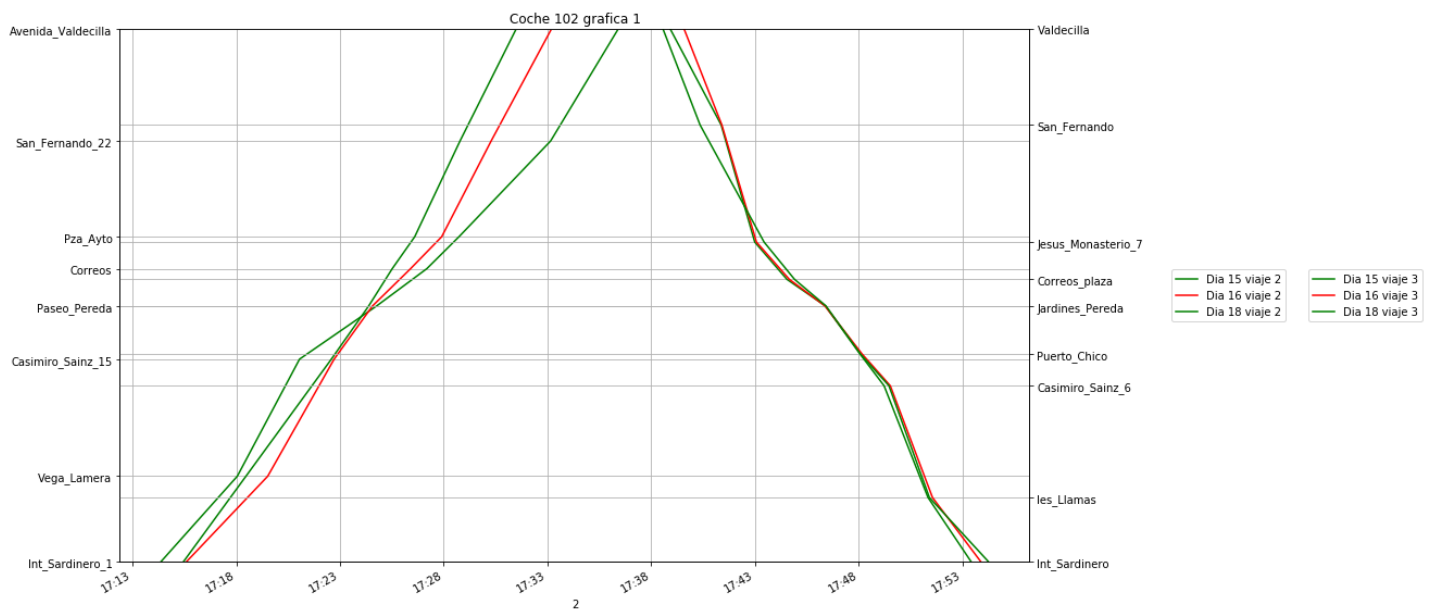
**Coche 101 grafica 1**

Gráfico evolución:



**Coche 102 grafica 1**

Gráfico evolución:



**Coche 102 grafica 1**

Gráfico evolución:

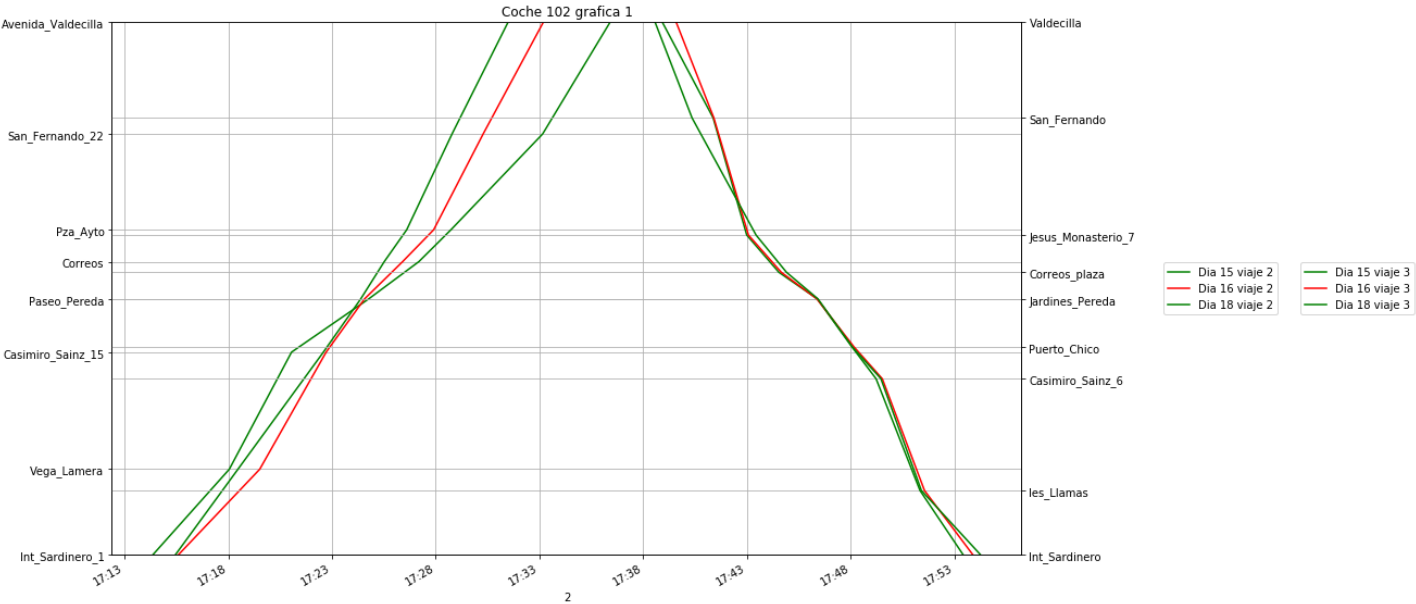


Tabla resumen velocidades y tiempos

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
1	Valdecilla_Sardiner	2	23.676667	12.488182	2.014069	1.043500
1	Sardiner_Valdecilla	3	14.760000	20.046743	1.244521	1.898678
1	Valdecilla_Sardiner	4	16.136667	18.360815	1.629349	1.756420
1	Sardiner_Valdecilla	5	16.776667	17.803117	2.238477	2.626961
1	Sardiner_Valdecilla	7	15.776667	18.949860	2.307494	2.719454
1	Valdecilla_Sardiner	8	15.353333	19.178759	0.659061	0.868563
1	Sardiner_Valdecilla	9	14.280000	20.746543	1.376913	2.055458
1	Valdecilla_Sardiner	10	15.673333	18.772019	0.476183	0.577990
1	Sardiner_Valdecilla	11	16.900000	17.491563	1.392939	1.445547
1	Valdecilla_Sardiner	12	14.823333	20.014135	1.510500	2.218458
1	Sardiner_Valdecilla	13	17.503333	17.236665	3.306273	2.944978
1	Valdecilla_Sardiner	14	16.036667	18.438728	1.353976	1.571887
1	Sardiner_Valdecilla	15	15.430000	19.104583	0.890178	1.102694
1	Valdecilla_Sardiner	16	17.103333	17.361765	1.947413	1.890923
1	Sardiner_Valdecilla	17	16.213333	18.185072	0.972211	1.081975
1	Valdecilla_Sardiner	18	17.186667	17.234994	1.591008	1.742399
1	Sardiner_Valdecilla	19	17.903333	16.568159	1.916464	1.712740
1	Valdecilla_Sardiner	20	16.006667	18.455890	1.270094	1.398845
1	Sardiner_Valdecilla	21	14.616667	20.159131	0.783067	1.053310
1	Valdecilla_Sardiner	22	14.573333	20.258803	1.055186	1.468060
1	Sardiner_Valdecilla	23	14.006667	21.024104	0.628004	0.950831
1	Valdecilla_Sardiner	24	14.750000	19.953886	0.543011	0.736399
1	Sardiner_Valdecilla	25	14.830000	20.037156	1.676115	2.359615
1	Valdecilla_Sardiner	26	16.458333	17.896970	0.834943	0.885493
1	Sardiner_Valdecilla	27	15.306667	19.454968	2.042044	2.332046
1	Sardiner_Valdecilla	29	15.820833	18.628374	0.892393	1.071508
1	Valdecilla_Sardiner	30	15.146667	19.447313	0.749018	0.938994
1	Sardiner_Valdecilla	31	15.250000	19.457440	1.703795	2.005460
1	Valdecilla_Sardiner	32	18.073333	16.671333	3.381231	2.725739
1	Sardiner_Valdecilla	33	15.330000	19.289710	1.345125	1.592583
1	Valdecilla_Sardiner	34	14.290000	20.688500	1.209431	1.694019
1	Valdecilla_Sardiner	36	15.040000	19.650878	1.256461	1.543395
1	Sardiner_Valdecilla	37	13.523333	21.926209	1.419438	2.219024
1	Valdecilla_Sardiner	38	15.816667	19.057515	3.021566	3.094515
2	Sardiner_Valdecilla	2	13.196667	22.421471	1.184002	1.995887
2	Valdecilla_Sardiner	3	12.993333	22.812951	1.331280	2.280597
2	Sardiner_Valdecilla	4	15.953333	18.514293	1.211140	1.410157
2	Valdecilla_Sardiner	5	15.020000	19.777696	1.808291	2.120836
2	Valdecilla_Sardiner	7	16.450000	17.901360	0.743490	0.803412
2	Sardiner_Valdecilla	8	15.473333	19.280991	2.164377	2.514610
2	Valdecilla_Sardiner	9	13.512500	21.792552	0.624852	1.007007
2	Sardiner_Valdecilla	10	15.030000	19.695718	1.341506	1.892201
2	Valdecilla_Sardiner	11	14.340000	21.128497	2.976216	3.814621
2	Sardiner_Valdecilla	12	16.026667	18.661705	2.315065	2.771017
2	Sardiner_Valdecilla	14	15.026667	19.692804	1.343586	1.786698
2	Valdecilla_Sardiner	15	15.933333	18.499230	0.924812	1.020500
2	Sardiner_Valdecilla	16	16.186667	18.473870	2.516098	2.510813
2	Valdecilla_Sardiner	17	14.091667	20.946588	1.037313	1.509363
2	Sardiner_Valdecilla	18	14.246667	20.787694	1.368312	1.978091
2	Valdecilla_Sardiner	19	14.910000	19.792897	1.037933	1.339533

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
2	Sardinero_Valdecilla	20	18.153333	16.719873	3.631620	3.334027
2	Valdecilla_Sardinero	21	15.000000	19.600000	NaN	NaN
2	Sardinero_Valdecilla	22	13.793333	21.375230	0.814078	1.283369
2	Valdecilla_Sardinero	23	13.990000	21.168100	1.337213	2.006888
2	Sardinero_Valdecilla	24	15.230000	19.439964	1.427770	1.816006
2	Valdecilla_Sardinero	25	14.146667	20.871480	1.059507	1.490390
2	Sardinero_Valdecilla	26	17.206667	17.151337	1.155698	1.210193
2	Valdecilla_Sardinero	27	19.913333	16.517974	9.180281	4.777999
2	Valdecilla_Sardinero	29	14.558333	20.296498	1.150322	1.720088
2	Sardinero_Valdecilla	30	20.766667	16.879300	12.485792	5.685250
2	Valdecilla_Sardinero	31	15.306667	19.290539	1.121111	1.423285
2	Sardinero_Valdecilla	32	16.533333	17.887235	1.460926	1.486864
2	Valdecilla_Sardinero	33	15.573333	18.940932	1.009923	1.205075
2	Sardinero_Valdecilla	34	14.563333	20.374608	1.612856	2.116233
2	Valdecilla_Sardinero	35	14.980000	19.796946	1.520846	2.108694
2	Sardinero_Valdecilla	36	14.166667	20.765701	0.393171	0.574749
2	Valdecilla_Sardinero	37	14.090000	20.940268	0.909563	1.442327
2	Sardinero_Valdecilla	38	13.036667	22.621605	0.820349	1.388975
2	Valdecilla_Sardinero	39	13.166667	22.363753	0.586184	0.973344
3	Valdecilla_Sardinero	2	21.383333	14.971142	6.709053	4.990800
3	Sardinero_Valdecilla	3	13.483333	21.862091	0.768747	1.259169
3	Valdecilla_Sardinero	4	14.995833	19.629825	0.616047	0.791458
3	Sardinero_Valdecilla	5	15.916667	18.677238	1.944686	2.113127
3	Valdecilla_Sardinero	6	14.260000	20.821671	1.587652	2.301221
3	Sardinero_Valdecilla	7	18.070000	16.817027	3.561238	3.534826
3	Valdecilla_Sardinero	8	15.000000	19.606347	0.300231	0.396454
3	Sardinero_Valdecilla	9	15.566667	19.281028	2.622631	2.940870
3	Valdecilla_Sardinero	10	14.343333	20.561082	0.909869	1.258449
3	Sardinero_Valdecilla	11	14.836667	19.918788	1.219654	1.568479
3	Valdecilla_Sardinero	12	19.695833	17.359073	10.547682	6.055793
3	Valdecilla_Sardinero	14	15.123333	19.706365	1.968064	2.577190
3	Sardinero_Valdecilla	15	15.860000	18.610093	1.119685	1.292487
3	Valdecilla_Sardinero	16	16.693333	17.691674	1.260269	1.323978
3	Sardinero_Valdecilla	17	15.950000	18.612307	1.783061	2.013782
3	Valdecilla_Sardinero	18	18.463333	16.679494	4.926902	3.585362
3	Sardinero_Valdecilla	19	16.695833	17.664956	1.114166	1.114738
3	Valdecilla_Sardinero	20	16.896667	17.446608	0.961581	1.027538
3	Valdecilla_Sardinero	22	14.270000	20.690418	1.030062	1.522114
3	Sardinero_Valdecilla	23	13.930000	21.291586	1.463368	2.224331
3	Valdecilla_Sardinero	24	13.903333	21.177074	0.587296	0.919876
3	Sardinero_Valdecilla	25	14.470000	20.582156	1.808752	2.656614
3	Valdecilla_Sardinero	26	15.260000	19.528664	2.020884	2.496660
3	Sardinero_Valdecilla	27	14.286667	20.703448	1.227543	1.820727
3	Valdecilla_Sardinero	28	14.337500	20.552944	0.788150	1.147669
3	Sardinero_Valdecilla	29	15.623333	18.916958	1.273207	1.521673
3	Valdecilla_Sardinero	30	14.466667	20.517612	1.577445	2.243668
3	Sardinero_Valdecilla	31	14.933333	19.805113	1.237998	1.775765
3	Valdecilla_Sardinero	32	15.163333	19.457345	1.012999	1.281989
3	Sardinero_Valdecilla	33	15.730000	18.736864	0.883758	1.035345
3	Valdecilla_Sardinero	34	15.373333	19.392852	2.096379	2.468602
3	Sardinero_Valdecilla	35	13.930000	21.262610	1.308169	2.092723
3	Sardinero_Valdecilla	37	13.800000	21.401283	1.067383	1.568493
3	Valdecilla_Sardinero	38	13.306667	22.155429	0.794740	1.283404
3	Sardinero_Valdecilla	39	12.963333	22.852761	1.249800	2.254225
101	Sardinero_Valdecilla	1	16.433333	18.036681	1.759893	1.707932
101	Valdecilla_Sardinero	2	14.283333	20.595368	0.394640	0.576153
101	Sardinero_Valdecilla	3	17.326667	17.035735	1.217443	1.207025
102	Sardinero_Valdecilla	2	17.590000	16.960814	2.557467	2.126491
102	Valdecilla_Sardinero	3	14.811111	19.882861	0.747651	0.977651
102	Sardinero_Valdecilla	4	29.036667	11.936280	11.743281	5.611694