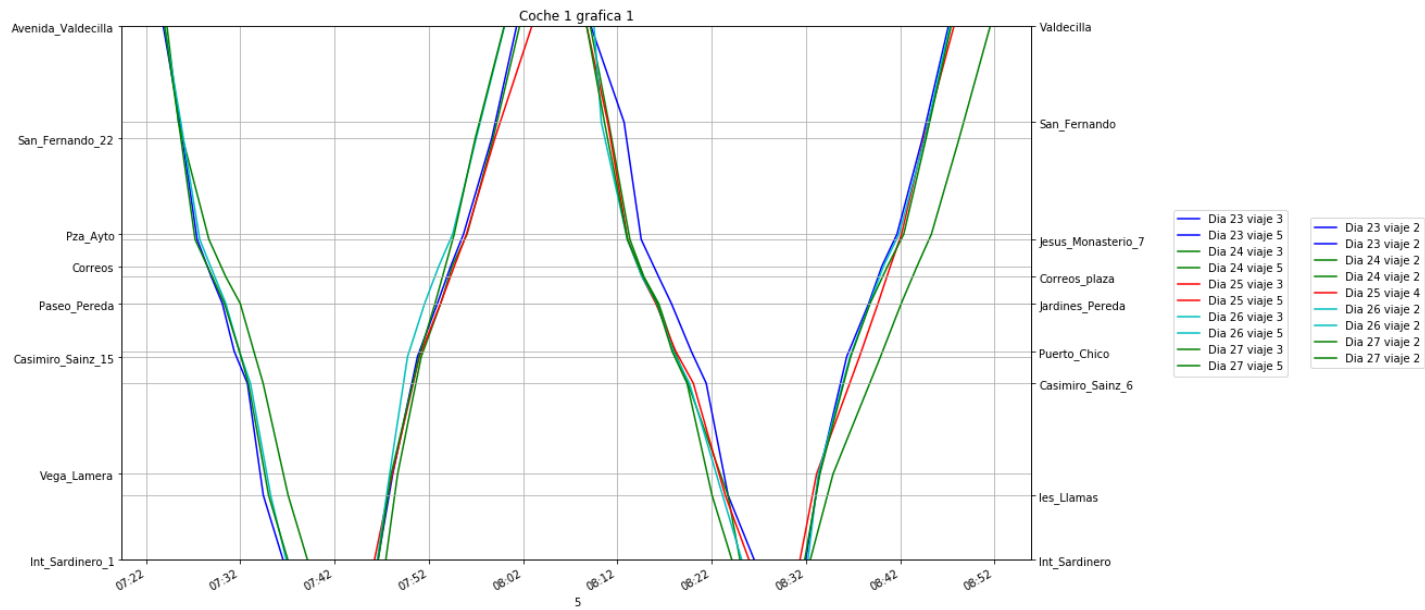


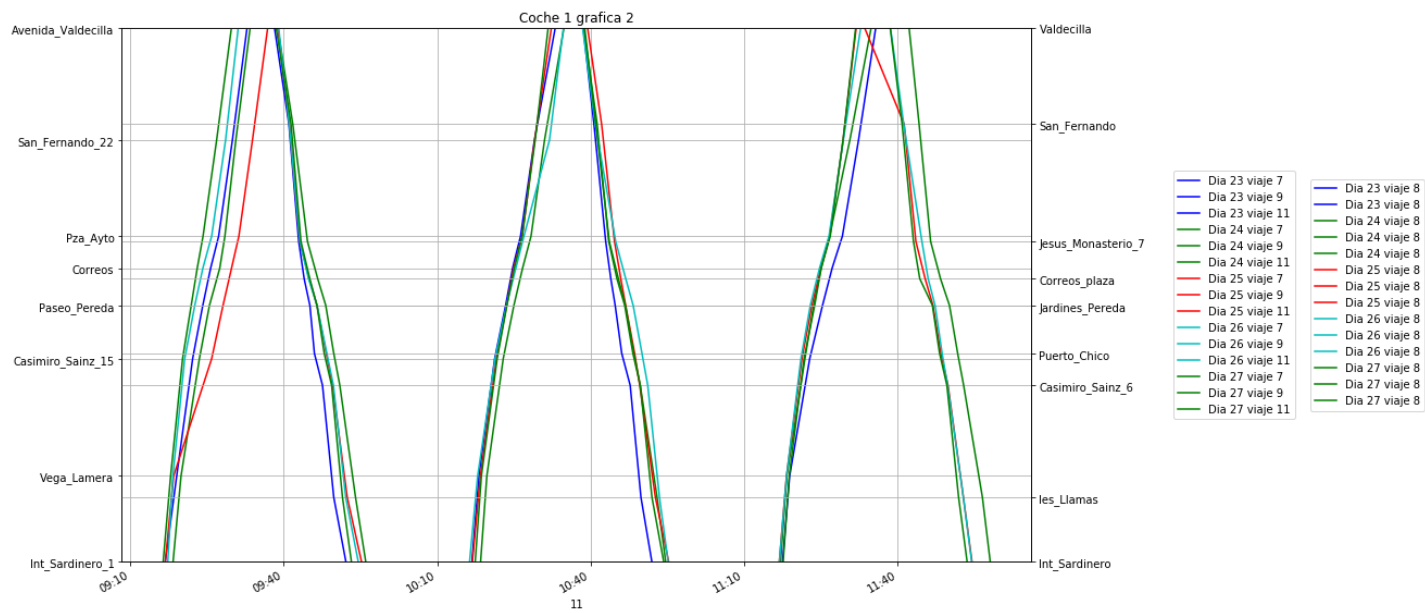
Coche 1 grafica 1

Gráfico evolución:



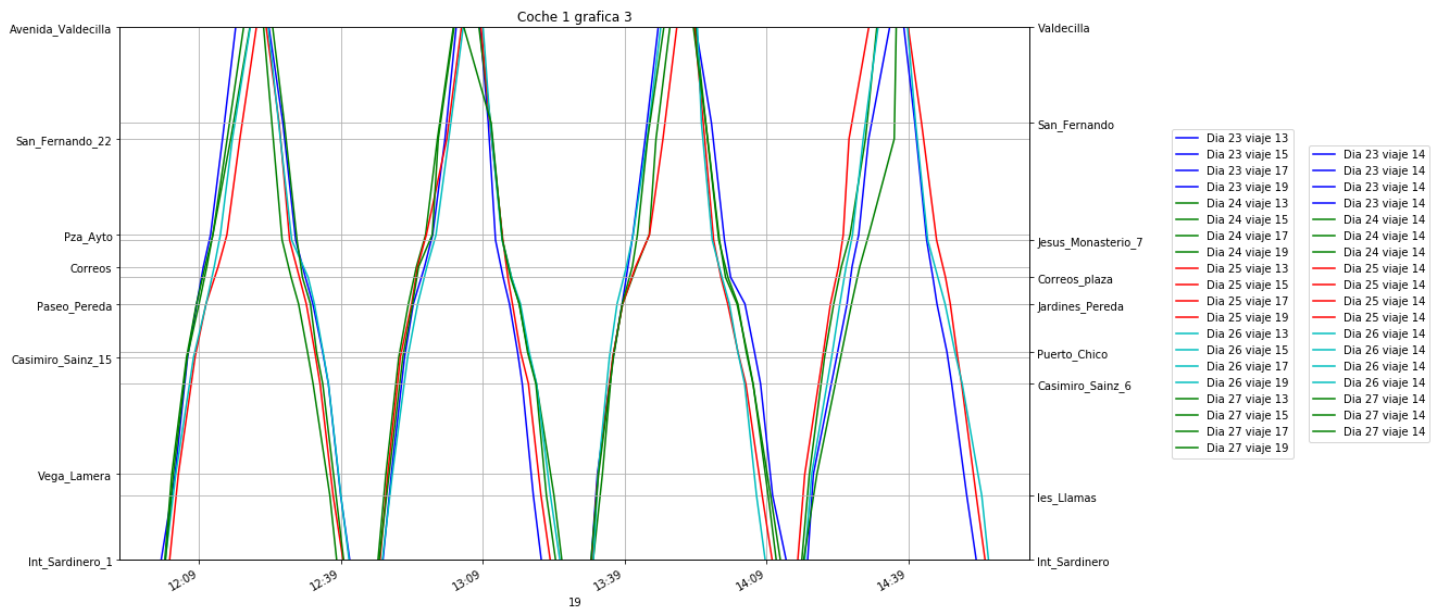
Coche 1 grafica 2

Gráfico evolución:



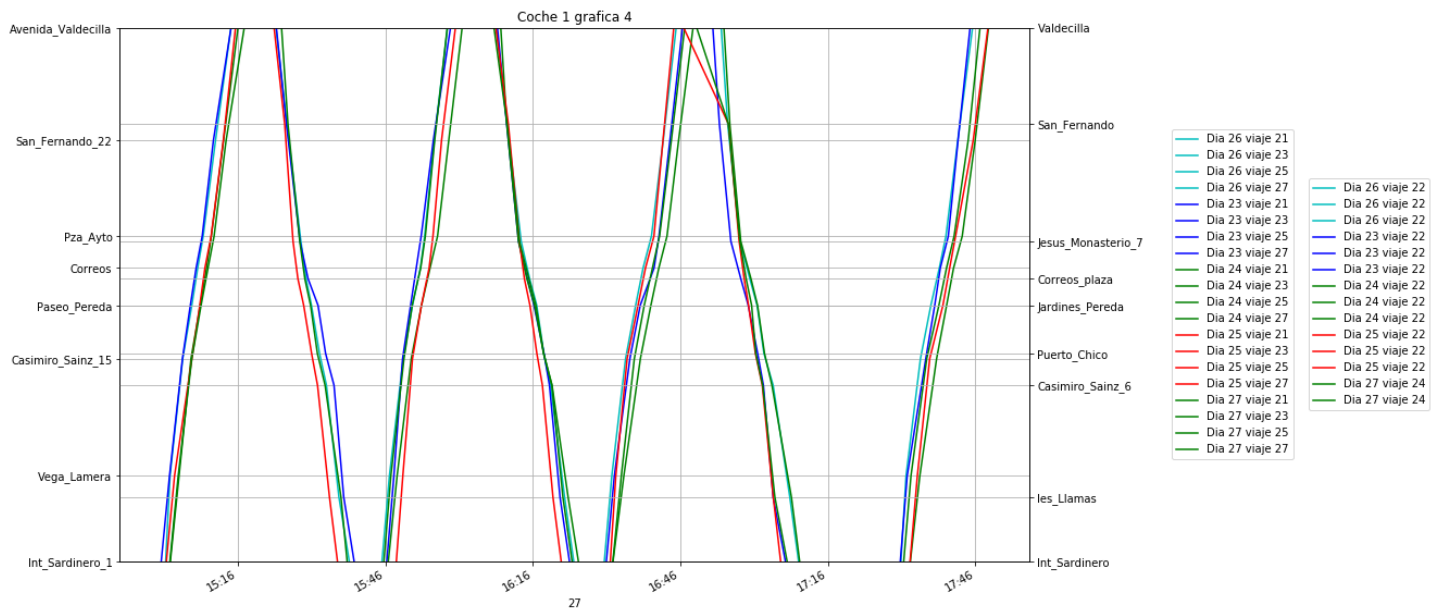
Coche 1 grafica 3

Gráfico evolución:



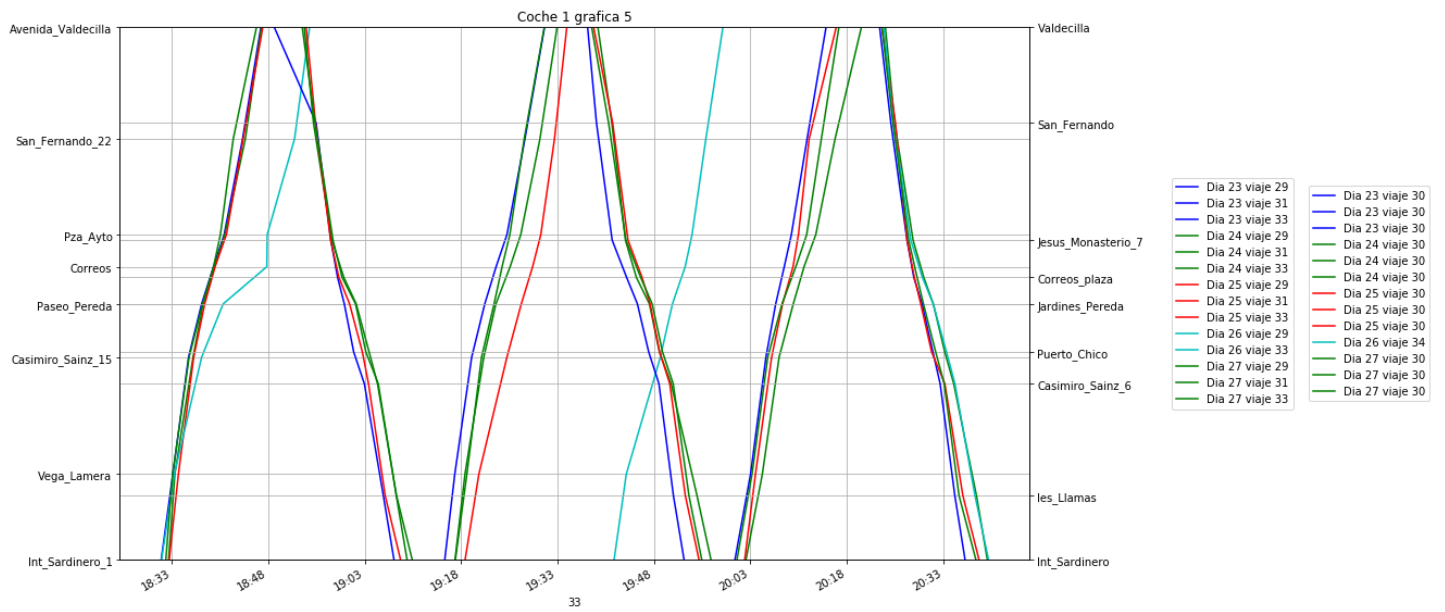
Coche 1 grafica 4

Gráfico evolución:



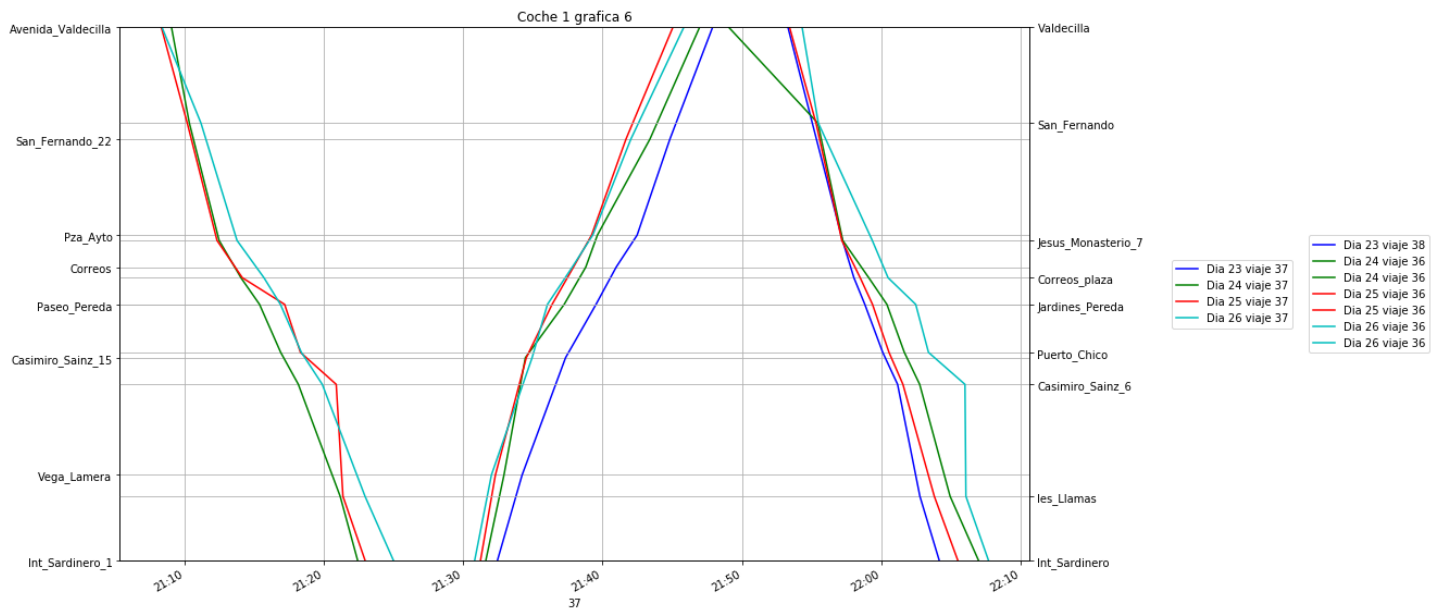
Coche 1 grafica 5

Gráfico evolución:



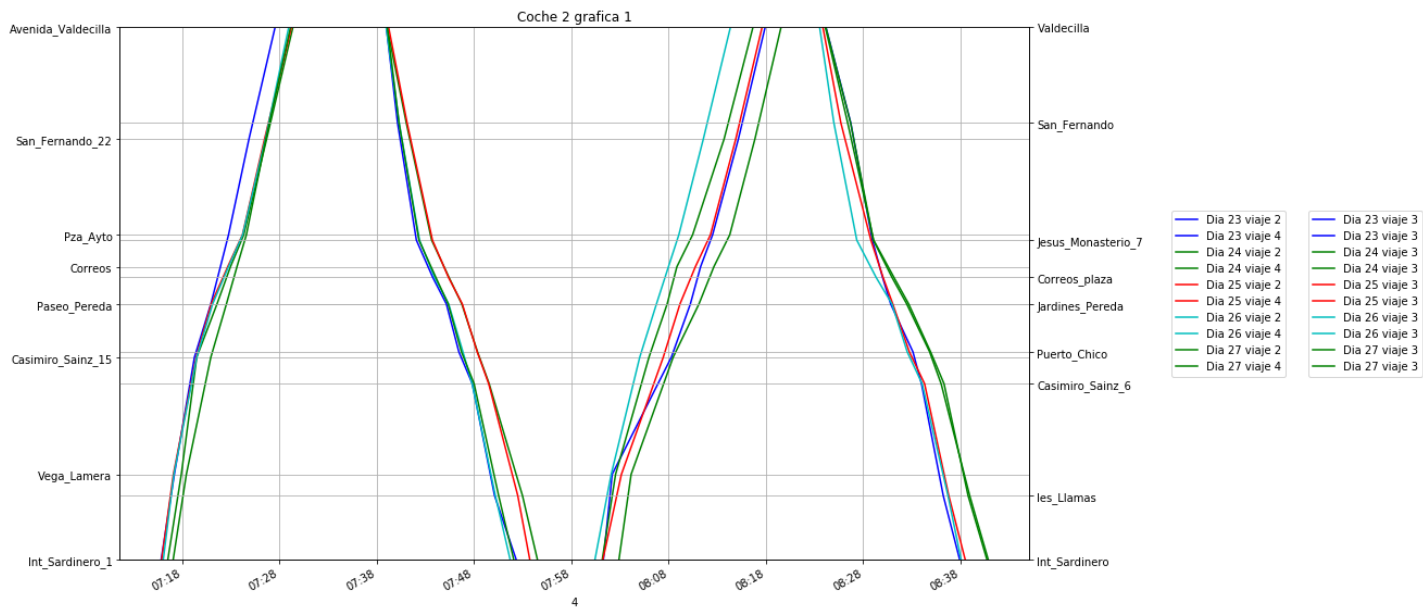
Coche 1 grafica 6

Gráfico evolución:



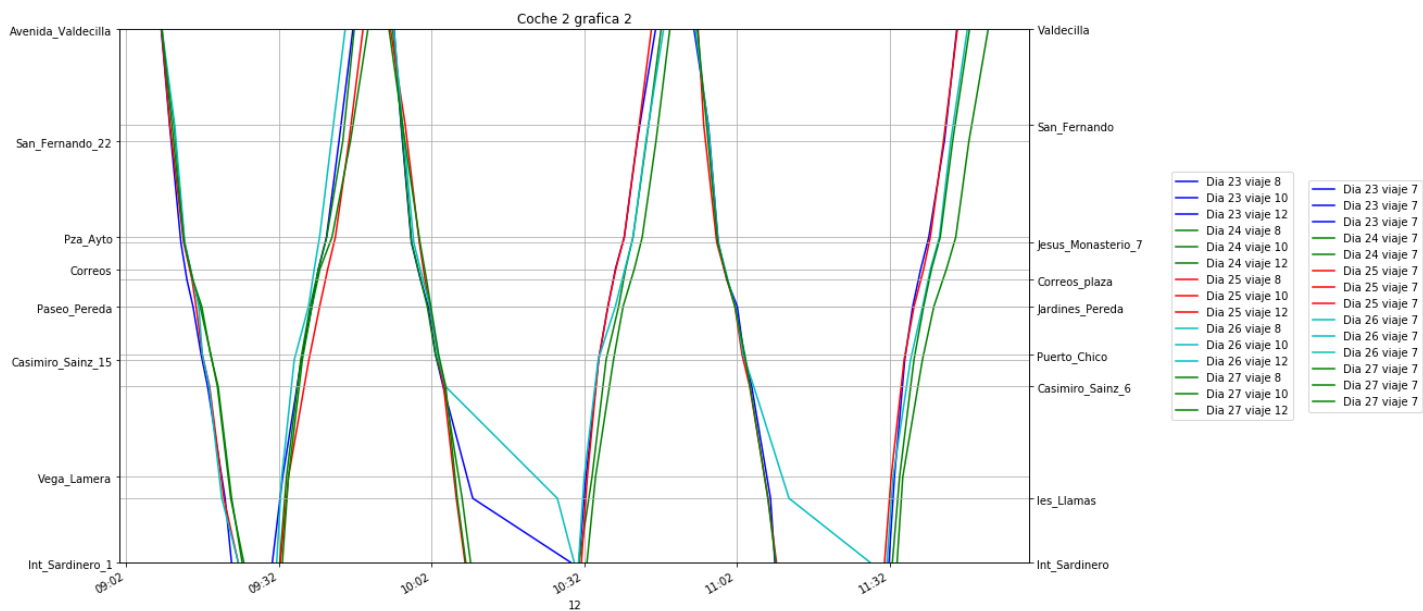
Coche 2 grafica 1

Gráfico evolución:



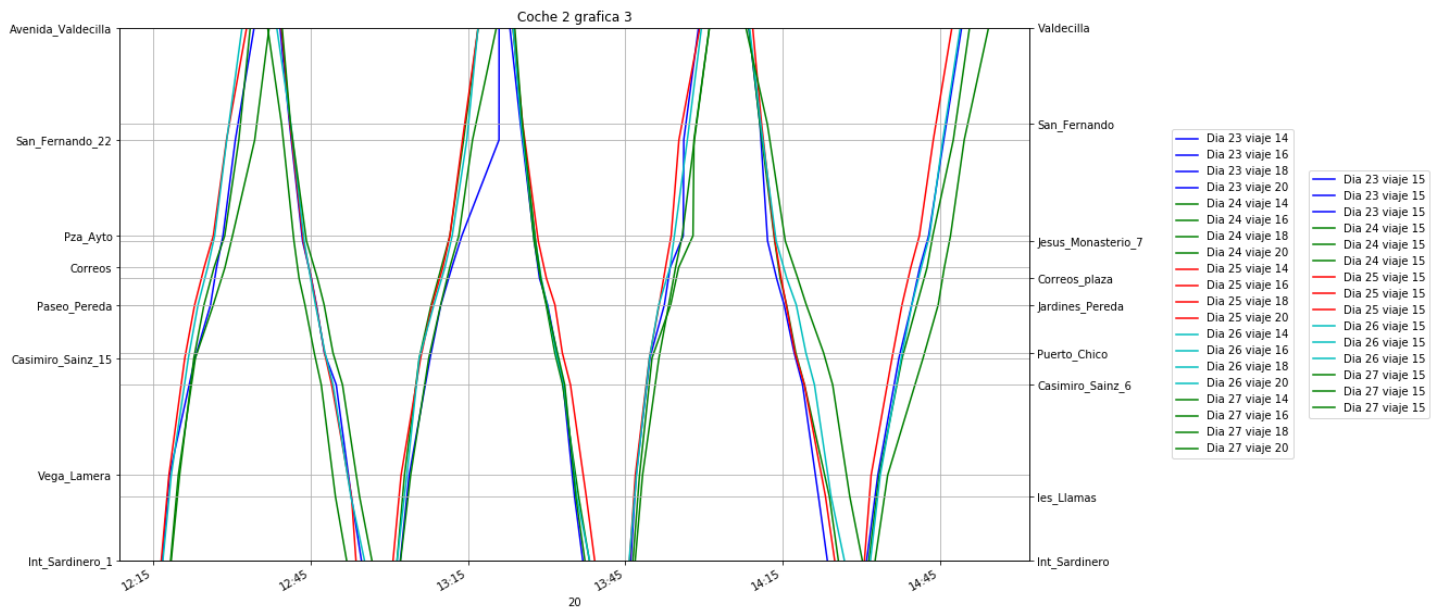
Coche 2 grafica 2

Gráfico evolución:



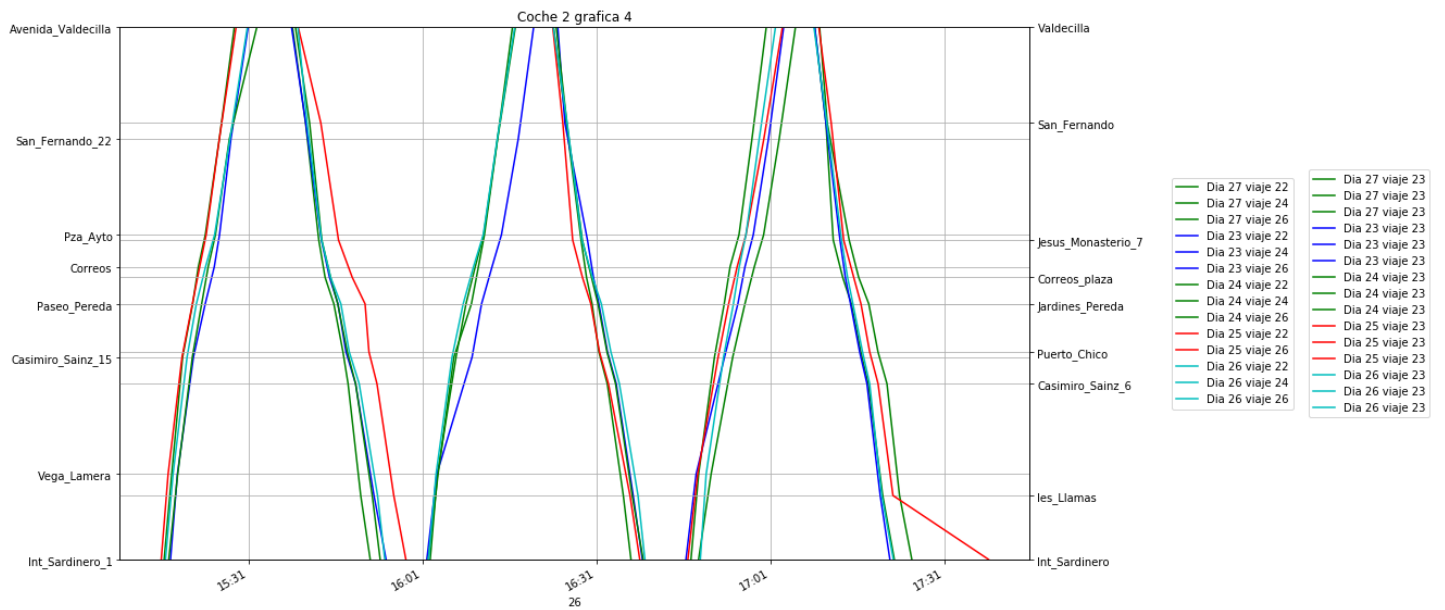
Coche 2 grafica 3

Gráfico evolución:



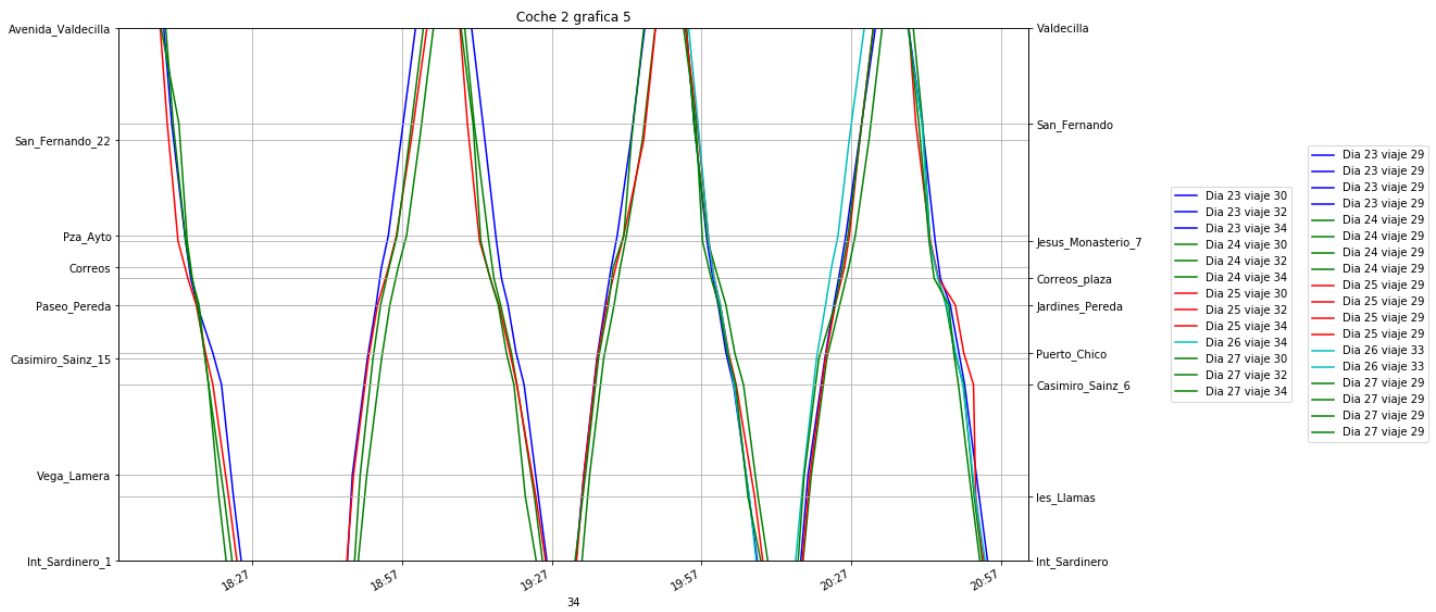
Coche 2 grafica 4

Gráfico evolución:



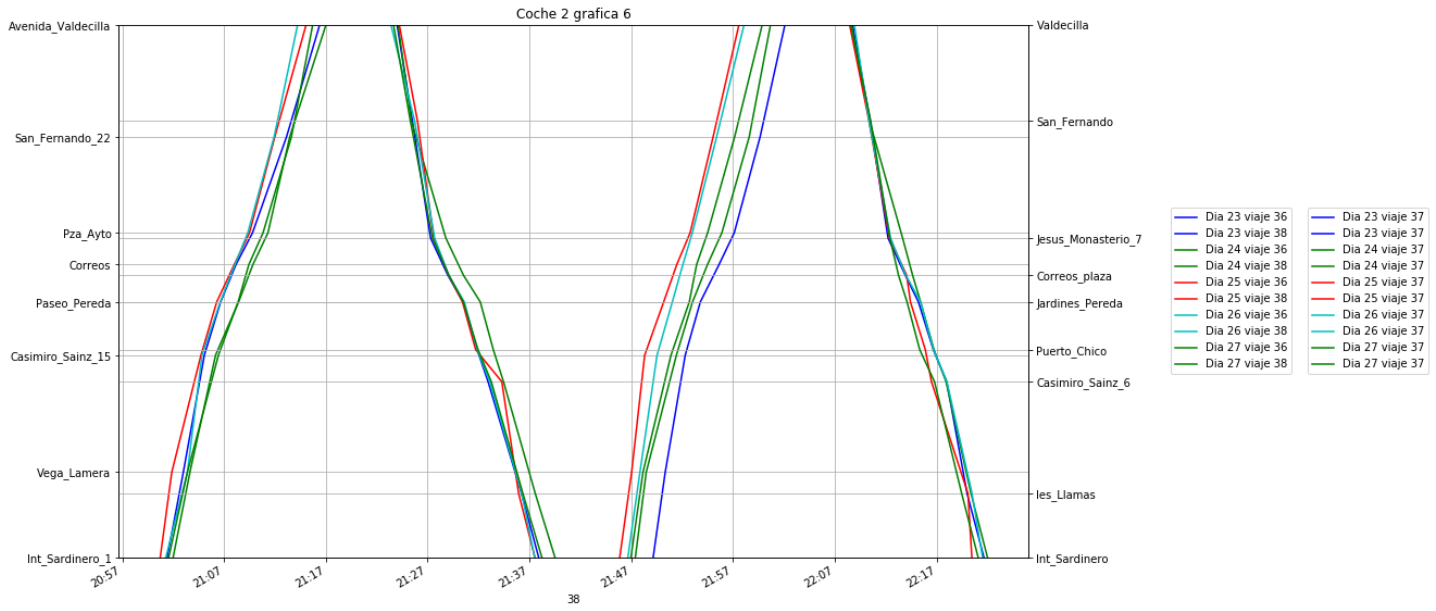
Coche 2 grafica 5

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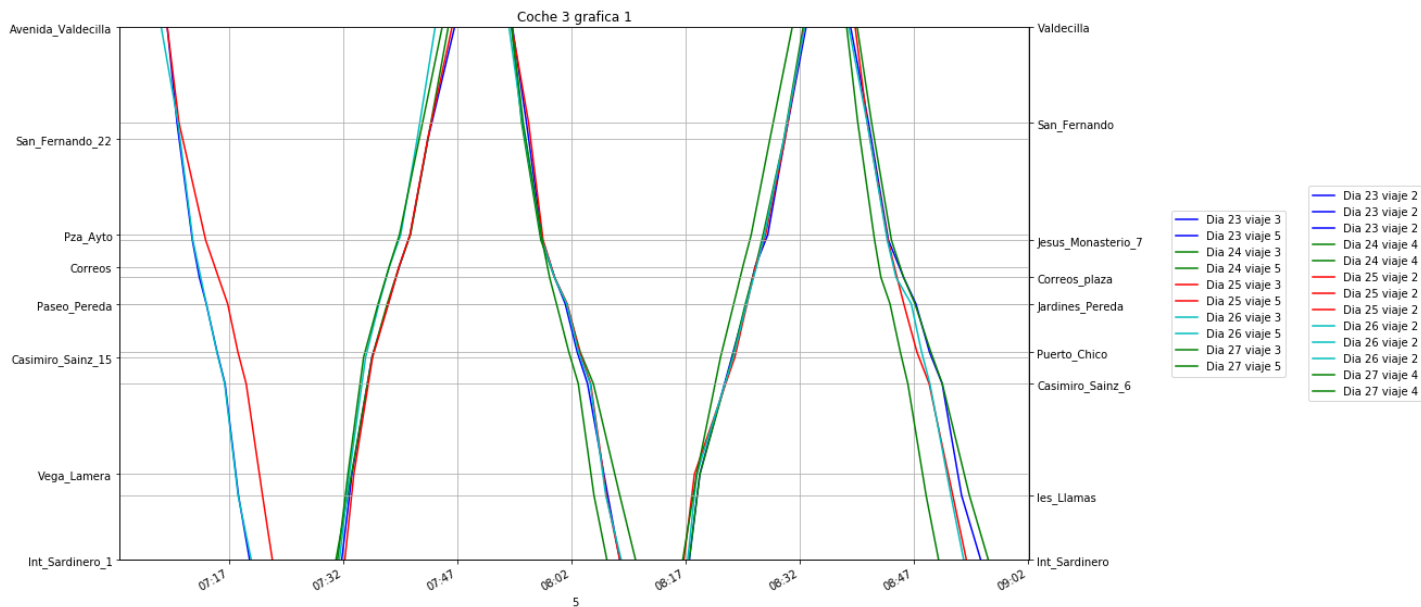
Coche 2 grafica 6

Gráfico evolución:



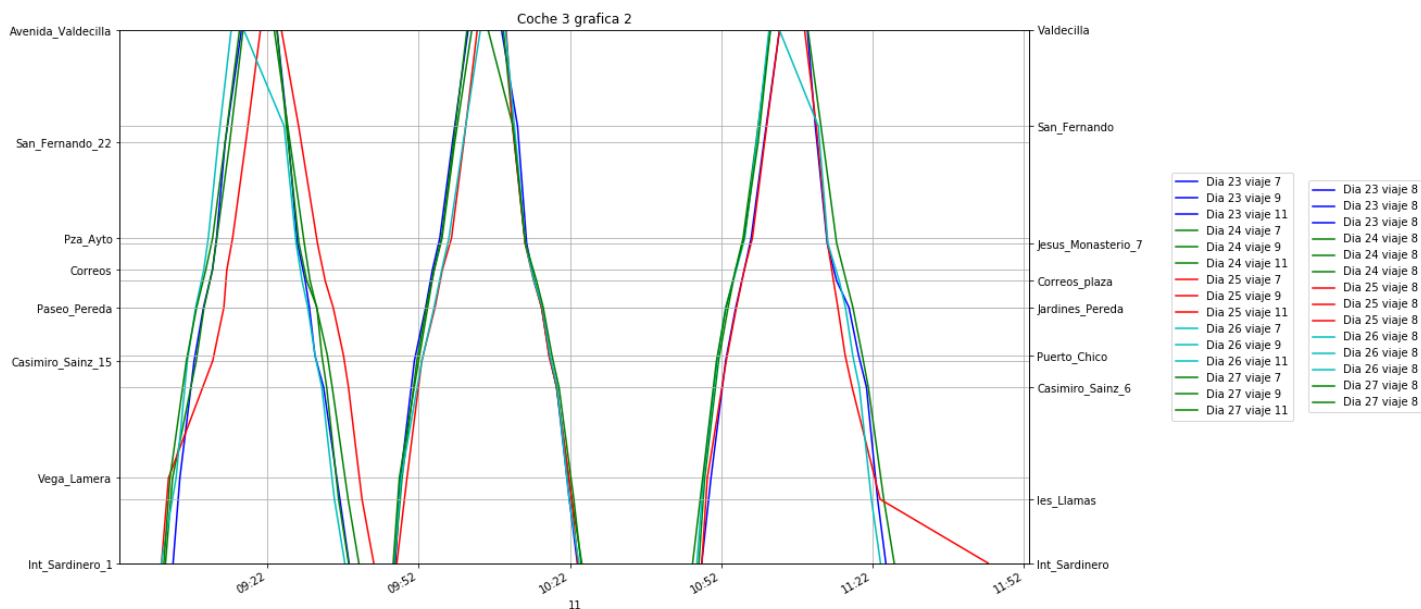
Coche 3 grafica 1

Gráfico evolución:



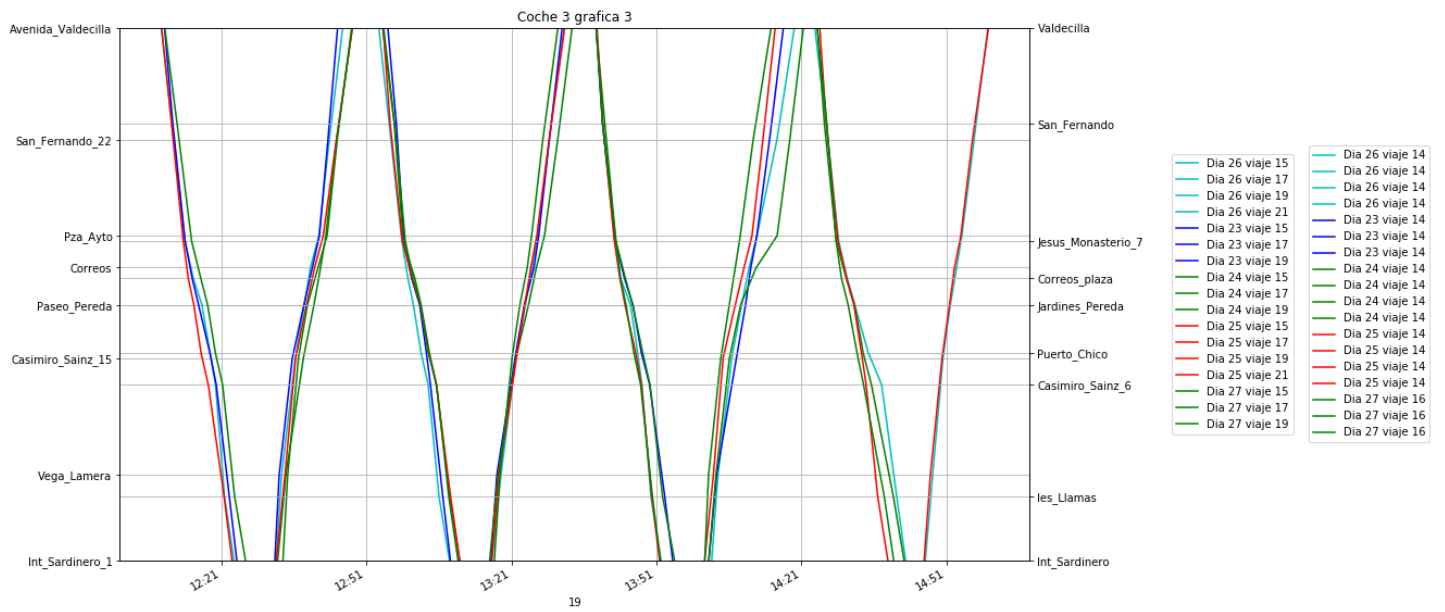
Coche 3 grafica 2

Gráfico evolución:



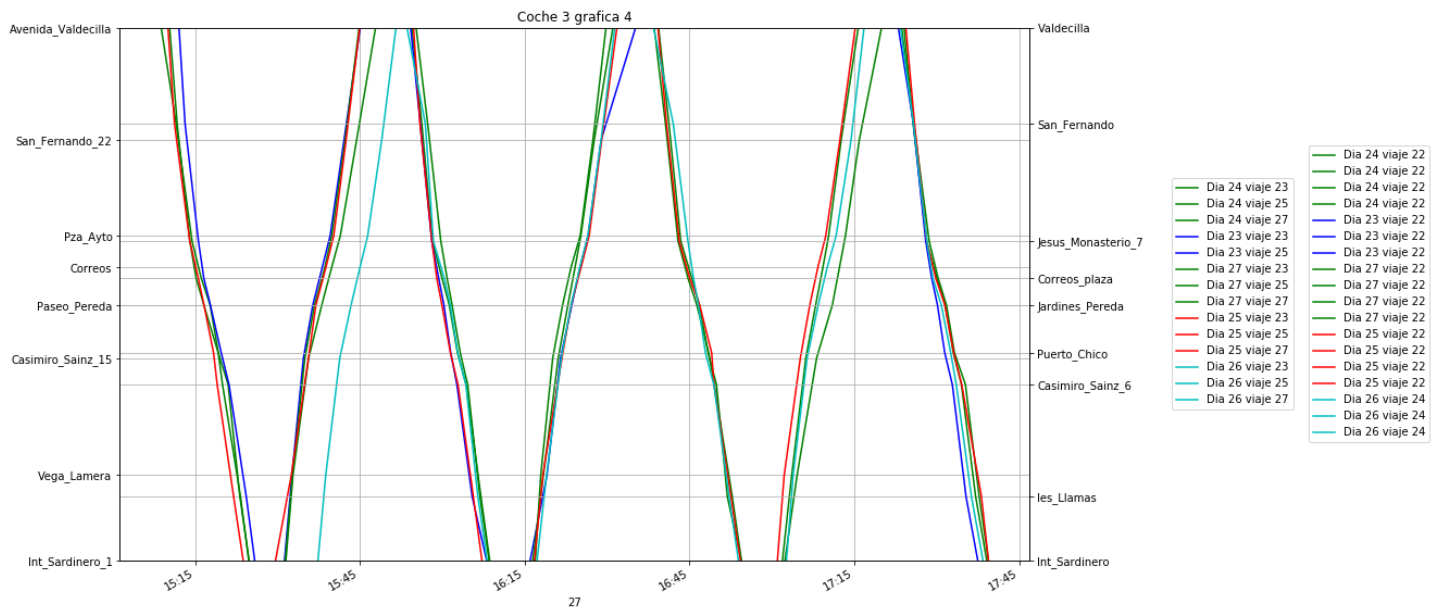
Coche 3 grafica 3

Gráfico evolución:



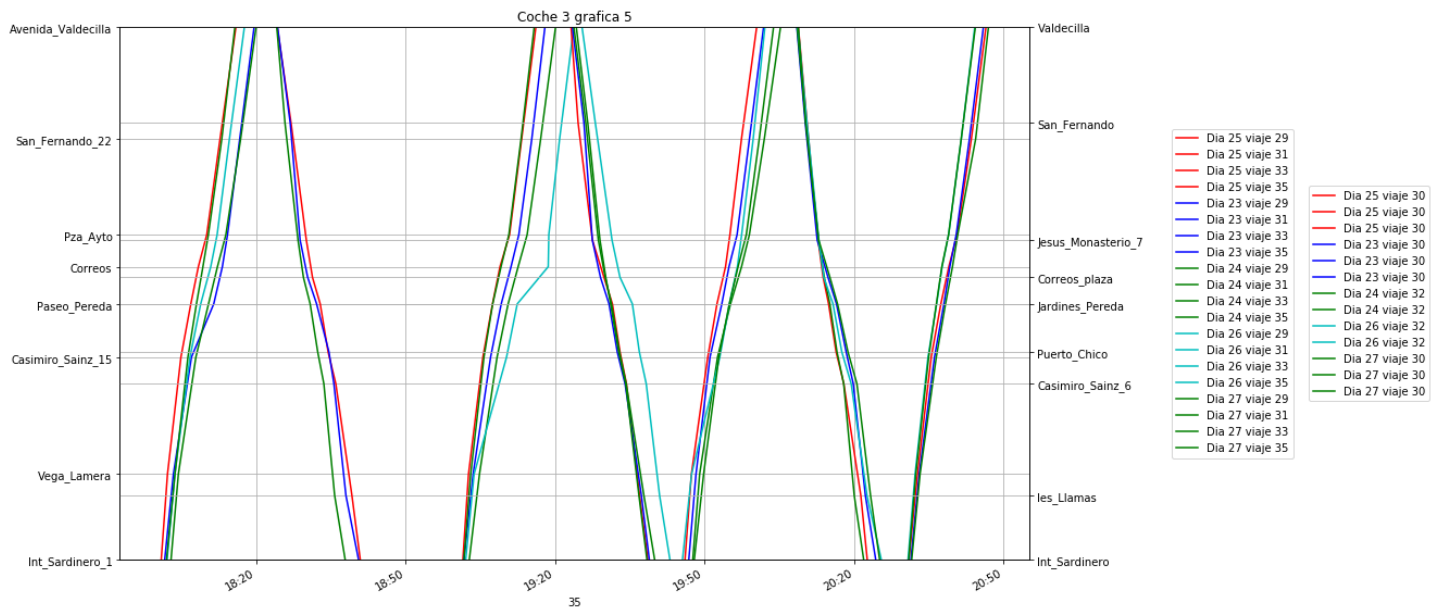
Coche 3 grafica 4

Gráfico evolución:



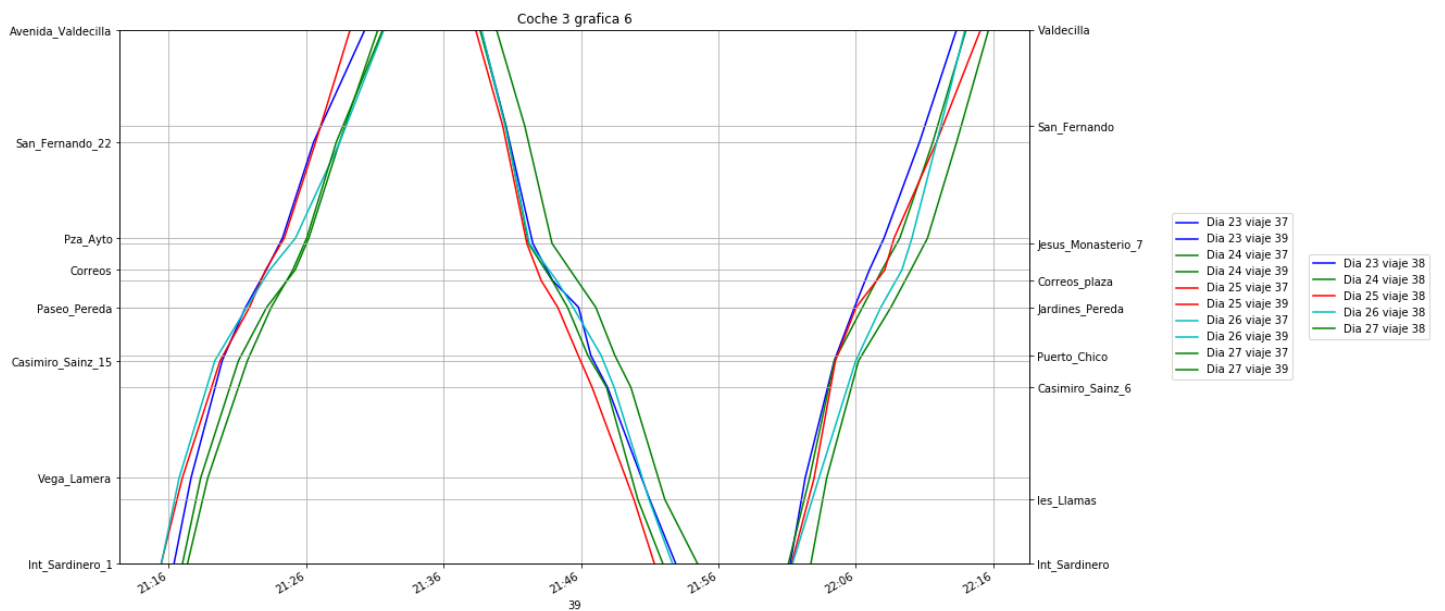
Coche 3 grafica 5

Gráfico evolución:



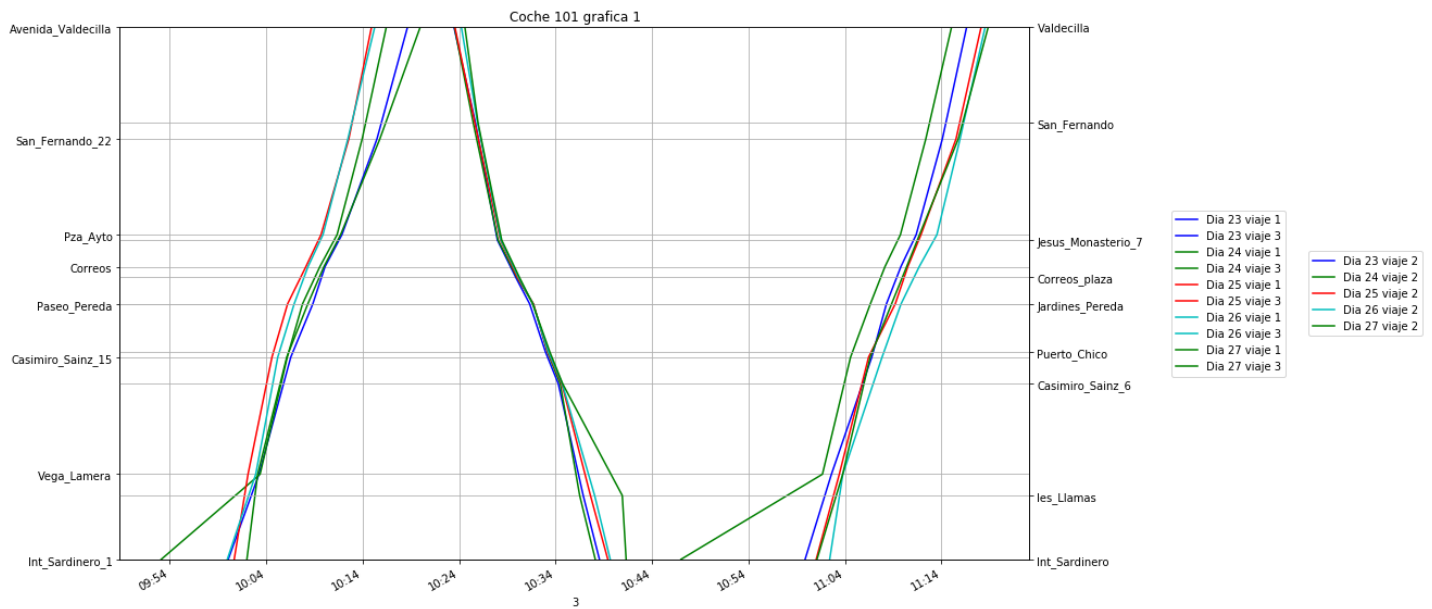
Coche 3 grafica 6

Gráfico evolución:



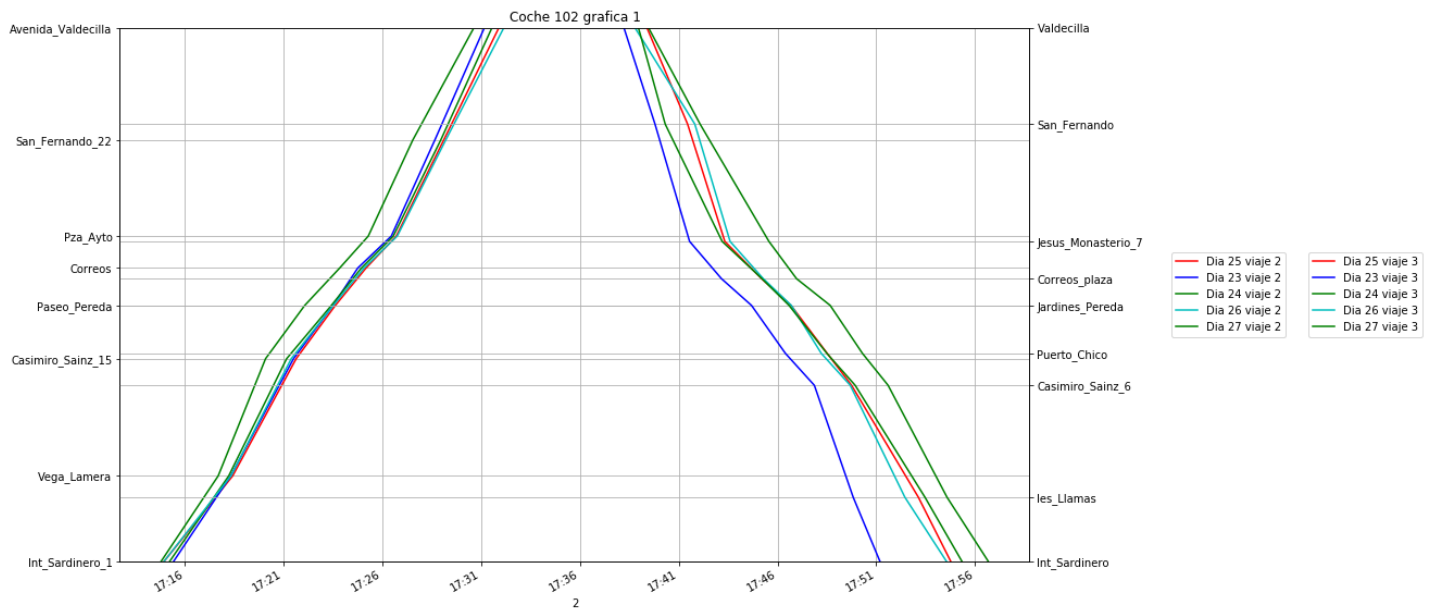
Coche 101 grafica 1

Gráfico evolución:



Coche 102 grafica 1

Gráfico evolución:



Coche 102 grafica 1

Gráfico evolución:

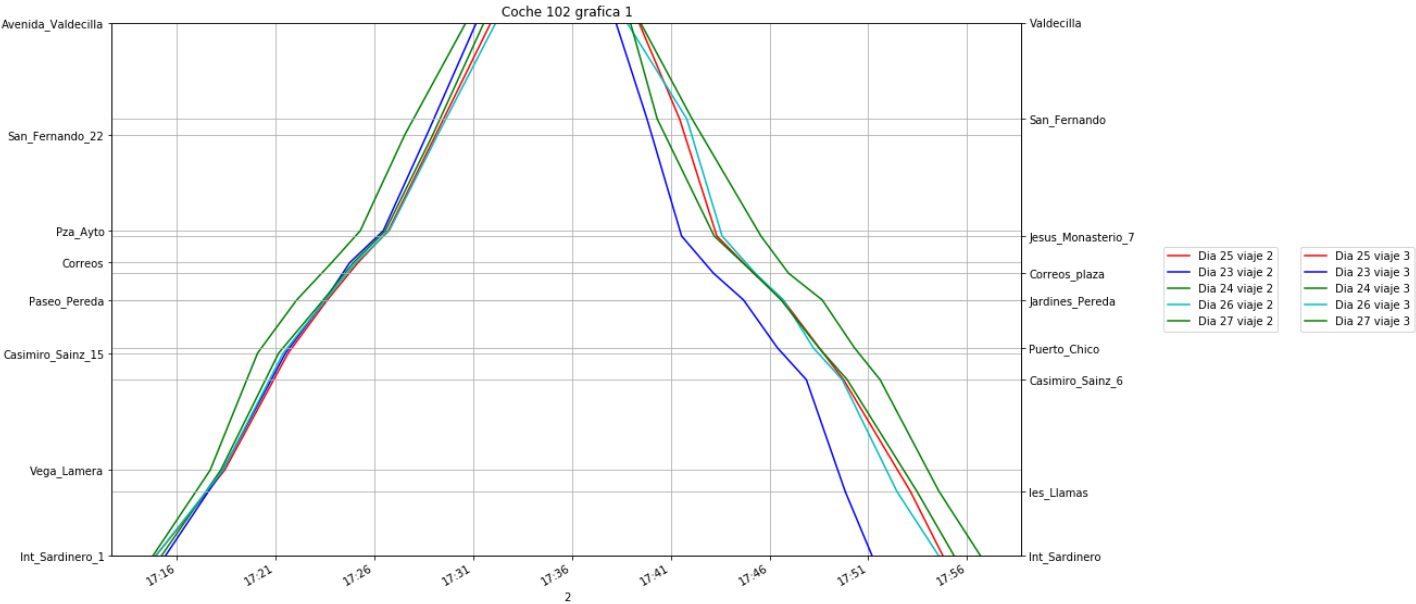


Tabla resumen velocidades y tiempos

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
1	Valdecilla_Sardiner0	2	13.379167	22.513307	1.012914	1.592196
1	Sardiner0_Valdecilla	3	14.480000	20.852674	1.347343	1.809778
1	Valdecilla_Sardiner0	4	16.280000	18.472284	0.902573	1.009501
1	Sardiner0_Valdecilla	5	16.206667	18.655574	1.678690	1.748681
1	Sardiner0_Valdecilla	7	15.606667	19.624657	2.659563	2.970227
1	Valdecilla_Sardiner0	8	15.510000	19.448123	1.278595	1.606857
1	Sardiner0_Valdecilla	9	16.096667	18.763886	1.492918	1.711739
1	Valdecilla_Sardiner0	10	15.460000	19.514950	1.247976	1.706878
1	Sardiner0_Valdecilla	11	16.173333	18.717747	1.720086	1.986777
1	Valdecilla_Sardiner0	12	16.900000	18.056487	2.717433	2.532605
1	Sardiner0_Valdecilla	13	17.303333	17.398022	1.120850	1.164653
1	Valdecilla_Sardiner0	14	16.163333	18.611608	0.942544	1.095491
1	Sardiner0_Valdecilla	15	16.300000	18.438985	0.787842	0.881473
1	Valdecilla_Sardiner0	16	16.130000	18.966705	2.496091	2.993988
1	Sardiner0_Valdecilla	17	15.593333	19.391970	1.585113	1.886031
1	Valdecilla_Sardiner0	18	17.046667	17.768226	1.806216	2.007313
1	Sardiner0_Valdecilla	19	16.643333	18.191216	1.843931	1.877279
1	Valdecilla_Sardiner0	20	16.211111	18.545499	0.916869	1.052731
1	Sardiner0_Valdecilla	21	14.070000	21.360539	0.674887	1.006355
1	Valdecilla_Sardiner0	22	14.233333	21.221243	1.360623	2.009922
1	Sardiner0_Valdecilla	23	13.223333	22.807633	1.102119	1.811896
1	Valdecilla_Sardiner0	24	15.060000	20.013717	1.114214	1.579440
1	Sardiner0_Valdecilla	25	14.766667	20.438176	1.252996	1.804882
1	Valdecilla_Sardiner0	26	16.786667	18.092512	2.125291	2.187821
1	Sardiner0_Valdecilla	27	15.190000	19.792015	0.776799	1.031249
1	Sardiner0_Valdecilla	29	16.323333	19.011963	3.786885	3.421264
1	Valdecilla_Sardiner0	30	16.587500	18.216673	1.625000	1.785800
1	Sardiner0_Valdecilla	31	15.258333	19.723923	0.962491	1.322063
1	Valdecilla_Sardiner0	32	16.520833	18.224920	1.127795	1.290873
1	Sardiner0_Valdecilla	33	15.823333	19.125656	1.657667	1.988164
1	Valdecilla_Sardiner0	34	15.016667	20.077539	1.160220	1.616720
1	Valdecilla_Sardiner0	36	15.412500	19.657423	1.740603	2.278956
1	Sardiner0_Valdecilla	37	14.891667	20.185698	0.750987	1.063174
1	Valdecilla_Sardiner0	38	13.416667	22.997125	2.690131	4.019114
2	Sardiner0_Valdecilla	2	12.563333	23.933899	0.668269	1.290511
2	Valdecilla_Sardiner0	3	13.796667	21.858971	1.138005	1.738377
2	Sardiner0_Valdecilla	4	15.803333	19.070673	1.155326	1.494742
2	Valdecilla_Sardiner0	5	15.233333	19.813137	1.331405	1.710559
2	Valdecilla_Sardiner0	7	15.160000	19.846374	0.899969	1.211409
2	Sardiner0_Valdecilla	8	15.396667	19.608010	1.336268	1.778663
2	Valdecilla_Sardiner0	9	23.023333	15.420229	10.977348	6.269189
2	Sardiner0_Valdecilla	10	15.580000	19.350765	1.190261	1.561449
2	Valdecilla_Sardiner0	11	20.245833	16.648779	9.372214	5.275689
2	Sardiner0_Valdecilla	12	15.303333	19.796738	1.723667	2.154028
2	Sardiner0_Valdecilla	14	16.530000	18.283266	1.608156	1.730530
2	Valdecilla_Sardiner0	15	15.710000	19.184083	1.187879	1.456161
2	Sardiner0_Valdecilla	16	16.830000	17.952603	1.606904	1.667619
2	Valdecilla_Sardiner0	17	14.380000	20.916769	0.822800	1.191264
2	Sardiner0_Valdecilla	18	13.740000	21.873600	0.651771	1.042648
2	Valdecilla_Sardiner0	19	17.573333	17.397819	2.838980	2.543999

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
2	Sardinero_Valdecilla	20	18.526667	16.332424	1.973772	1.642123
2	Sardinero_Valdecilla	22	13.536667	22.295025	1.176943	1.917190
2	Valdecilla_Sardinero	23	15.570000	19.504230	1.968939	2.349468
2	Sardinero_Valdecilla	24	15.616667	19.405250	1.901072	2.138510
2	Valdecilla_Sardinero	25	14.743333	20.410585	0.895405	1.286462
2	Sardinero_Valdecilla	26	15.156667	20.089141	2.009305	2.790415
2	Valdecilla_Sardinero	27	17.106667	19.206566	6.877122	5.246418
2	Valdecilla_Sardinero	29	14.283333	21.213290	1.577445	2.537130
2	Sardinero_Valdecilla	30	14.625000	20.603591	1.133047	1.563287
2	Valdecilla_Sardinero	31	15.704167	19.156684	0.982474	1.140034
2	Sardinero_Valdecilla	32	14.508333	20.743996	0.963164	1.330912
2	Valdecilla_Sardinero	33	14.990000	20.103564	1.111468	1.522877
2	Sardinero_Valdecilla	34	14.756667	20.379106	0.811600	1.121792
2	Valdecilla_Sardinero	35	14.876667	20.216527	0.828704	1.138808
2	Sardinero_Valdecilla	36	14.270000	21.084287	0.840502	1.299286
2	Valdecilla_Sardinero	37	14.256667	21.092595	0.780812	1.138130
2	Sardinero_Valdecilla	38	12.436667	24.210331	0.829525	1.651877
2	Valdecilla_Sardinero	39	12.663333	23.719774	0.498247	0.932420
3	Valdecilla_Sardinero	2	12.155556	24.933332	1.525736	3.032798
3	Sardinero_Valdecilla	3	14.006667	21.495317	0.916712	1.471371
3	Valdecilla_Sardinero	4	14.373333	21.025631	1.372022	2.021899
3	Sardinero_Valdecilla	5	15.190000	19.769710	0.534712	0.706070
3	Valdecilla_Sardinero	6	15.230000	20.029946	2.109548	3.014569
3	Sardinero_Valdecilla	7	15.473333	19.725197	2.427007	2.698873
3	Valdecilla_Sardinero	8	16.710000	18.285679	2.536500	2.747964
3	Sardinero_Valdecilla	9	15.480000	19.454561	1.090578	1.327339
3	Valdecilla_Sardinero	10	15.543333	19.465450	1.683523	1.903325
3	Sardinero_Valdecilla	11	14.930000	20.125871	0.660955	0.906383
3	Valdecilla_Sardinero	12	22.266667	15.014260	9.592985	4.848378
3	Valdecilla_Sardinero	14	15.312500	19.645395	0.947059	1.155054
3	Sardinero_Valdecilla	15	14.416667	20.916577	1.152232	1.680975
3	Valdecilla_Sardinero	16	14.933333	20.206152	1.223724	1.785173
3	Sardinero_Valdecilla	17	14.996667	20.142406	1.393656	1.864961
3	Valdecilla_Sardinero	18	14.330000	21.128797	1.563045	2.220684
3	Sardinero_Valdecilla	19	16.076667	18.955630	2.316385	2.573304
3	Valdecilla_Sardinero	20	16.654167	18.239586	2.107455	2.388559
3	Sardinero_Valdecilla	21	13.125000	22.862018	0.271058	0.472147
3	Valdecilla_Sardinero	22	14.450000	20.842503	1.070220	1.463752
3	Sardinero_Valdecilla	23	14.590000	20.668554	1.191206	1.632942
3	Valdecilla_Sardinero	24	13.643333	22.054926	0.823829	1.371187
3	Sardinero_Valdecilla	25	15.140000	20.166696	2.381485	2.815236
3	Valdecilla_Sardinero	26	15.316667	19.596738	0.406430	0.514155
3	Sardinero_Valdecilla	27	14.900000	20.330306	1.785176	2.182708
3	Valdecilla_Sardinero	28	15.056667	19.941204	0.486427	0.637813
3	Sardinero_Valdecilla	29	15.840000	19.111008	1.676662	2.033099
3	Valdecilla_Sardinero	30	15.527778	19.462589	1.581168	2.097723
3	Sardinero_Valdecilla	31	16.790000	18.284420	3.006973	2.932180
3	Valdecilla_Sardinero	32	15.766667	19.125437	1.272574	1.521558
3	Sardinero_Valdecilla	33	15.883333	18.983203	1.264911	1.501436
3	Valdecilla_Sardinero	34	15.200000	19.900466	1.517674	2.050055
3	Sardinero_Valdecilla	35	14.433333	20.871092	1.031517	1.502663
3	Sardinero_Valdecilla	37	14.430000	20.862865	0.991520	1.325793
3	Valdecilla_Sardinero	38	13.780000	21.809848	0.652176	1.034998
3	Sardinero_Valdecilla	39	12.836667	23.412006	0.607522	1.095962
101	Sardinero_Valdecilla	1	17.880000	17.280948	3.545486	3.206662
101	Valdecilla_Sardinero	2	15.536667	19.349900	0.803759	0.985301
101	Sardinero_Valdecilla	3	19.153333	16.333035	5.008332	3.211960
102	Sardinero_Valdecilla	2	16.390000	18.327114	0.654748	0.728306
102	Valdecilla_Sardinero	3	15.523333	19.505027	1.594112	2.189772
102	Sardinero_Valdecilla	4	17.345833	17.304749	0.465549	0.473481