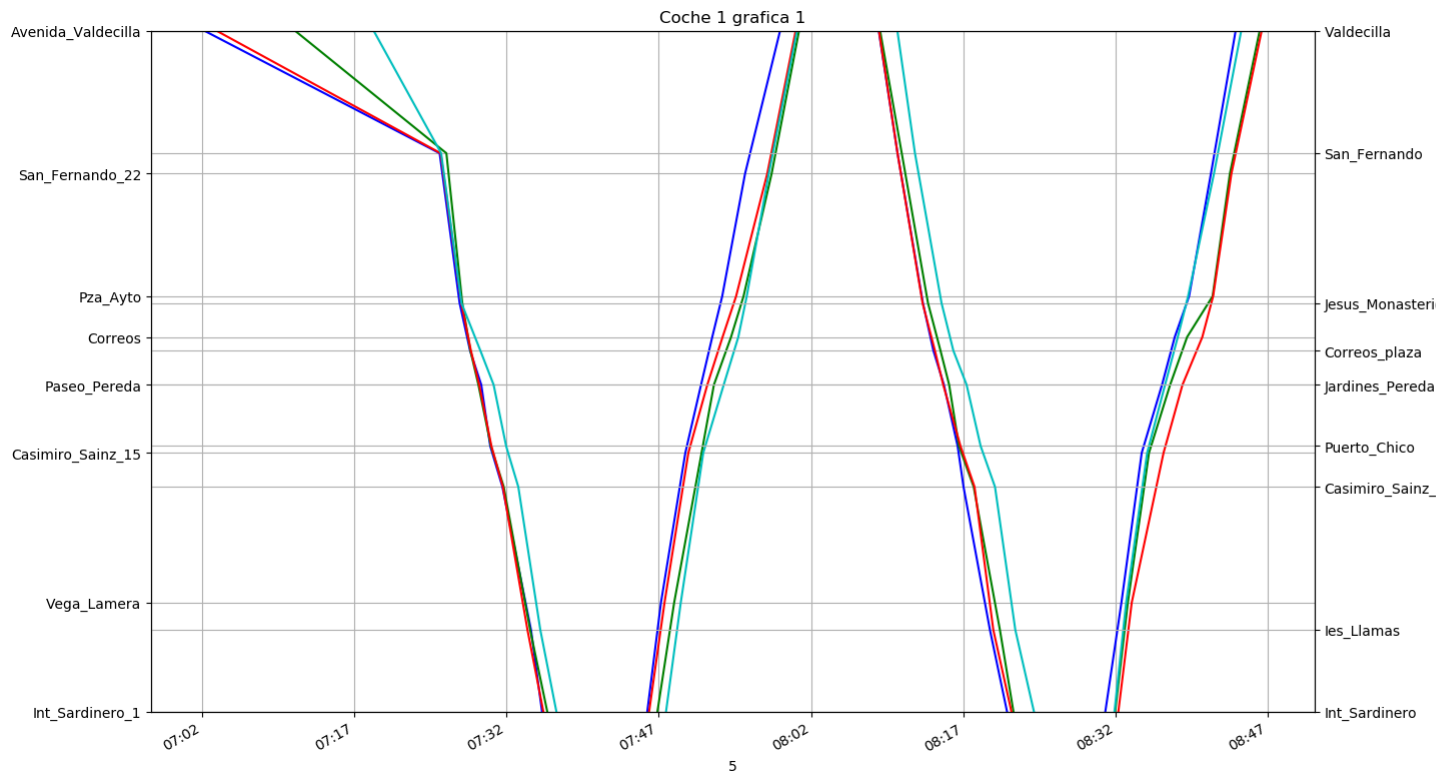


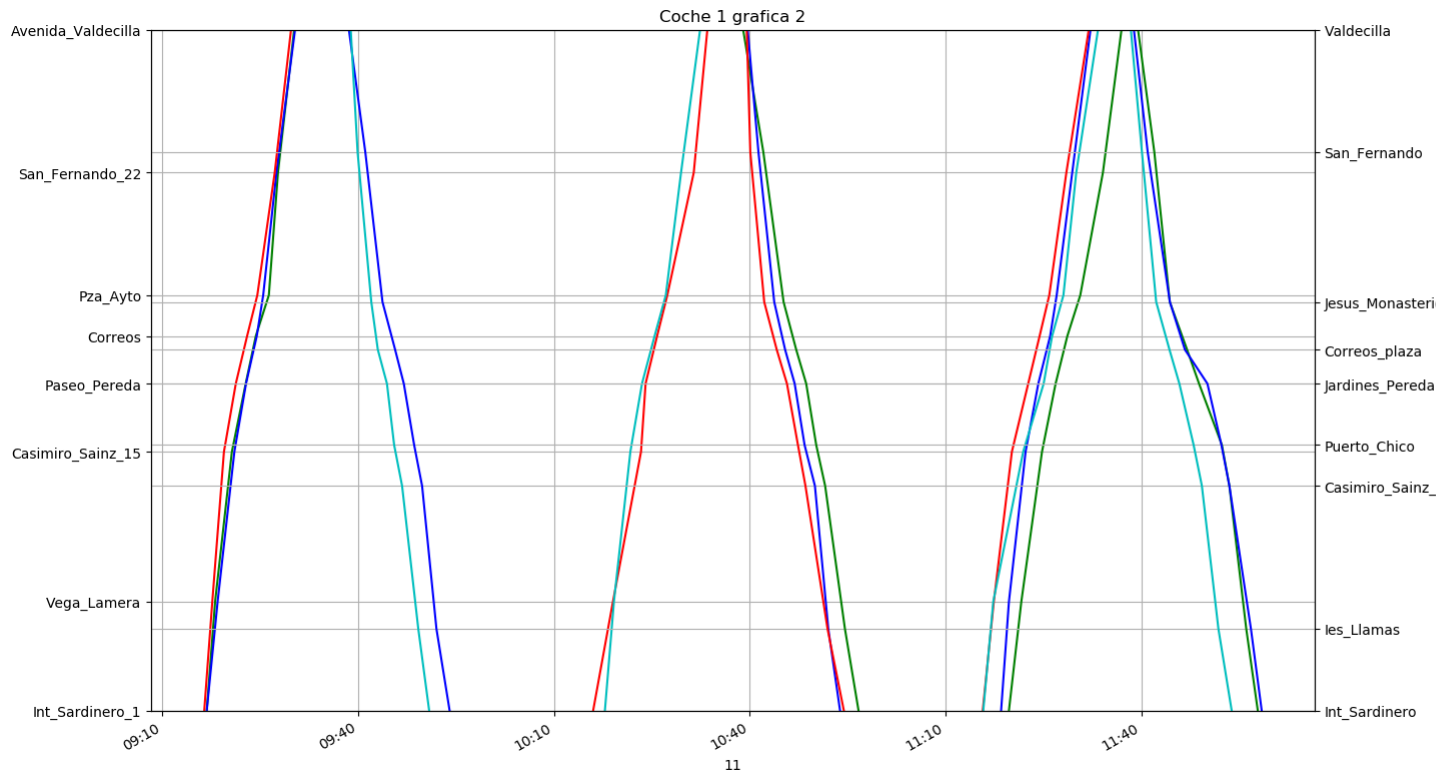
Coche 1 grafica 1

Gráfico evolución:



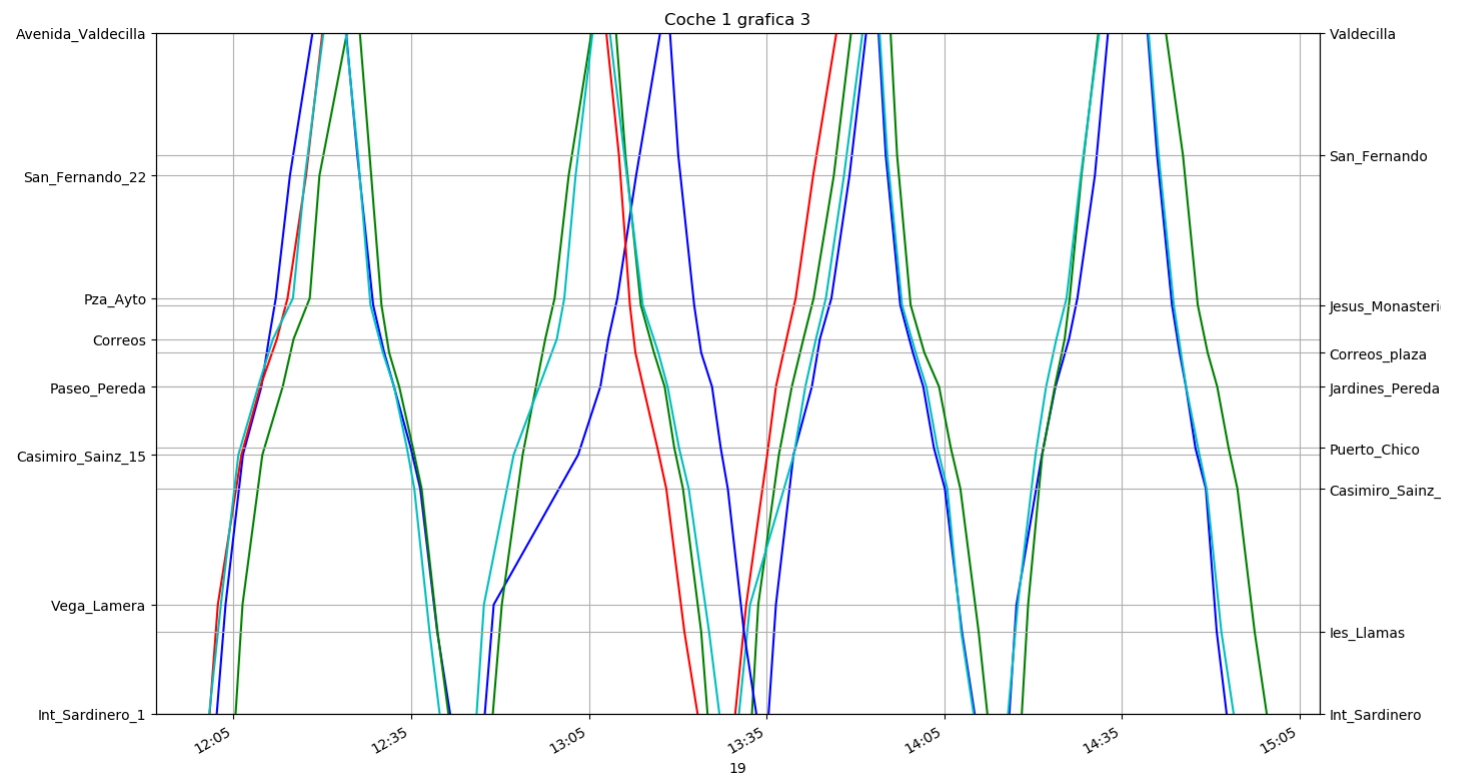
Coche 1 grafica 2

Gráfico evolución:



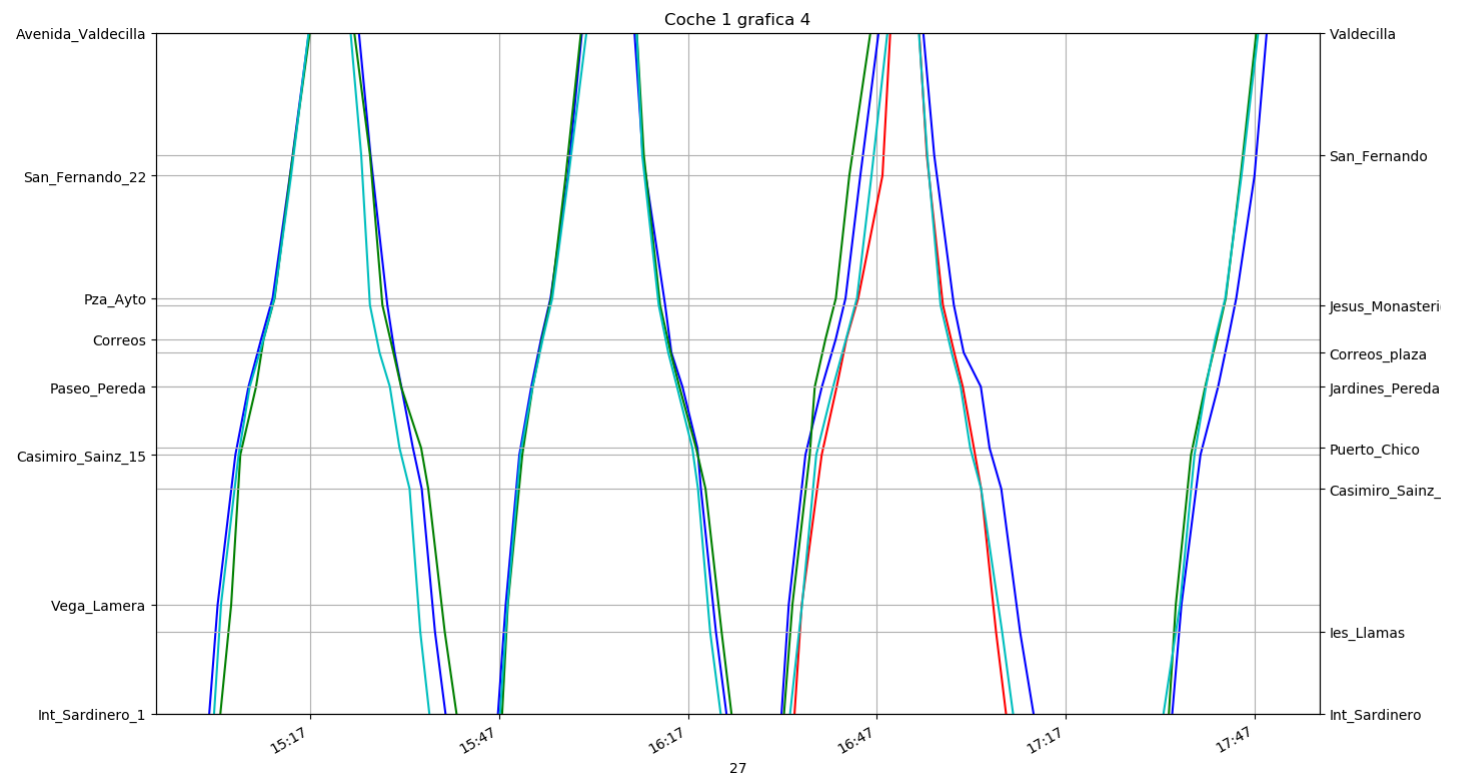
Coche 1 grafica 3

Gráfico evolución:



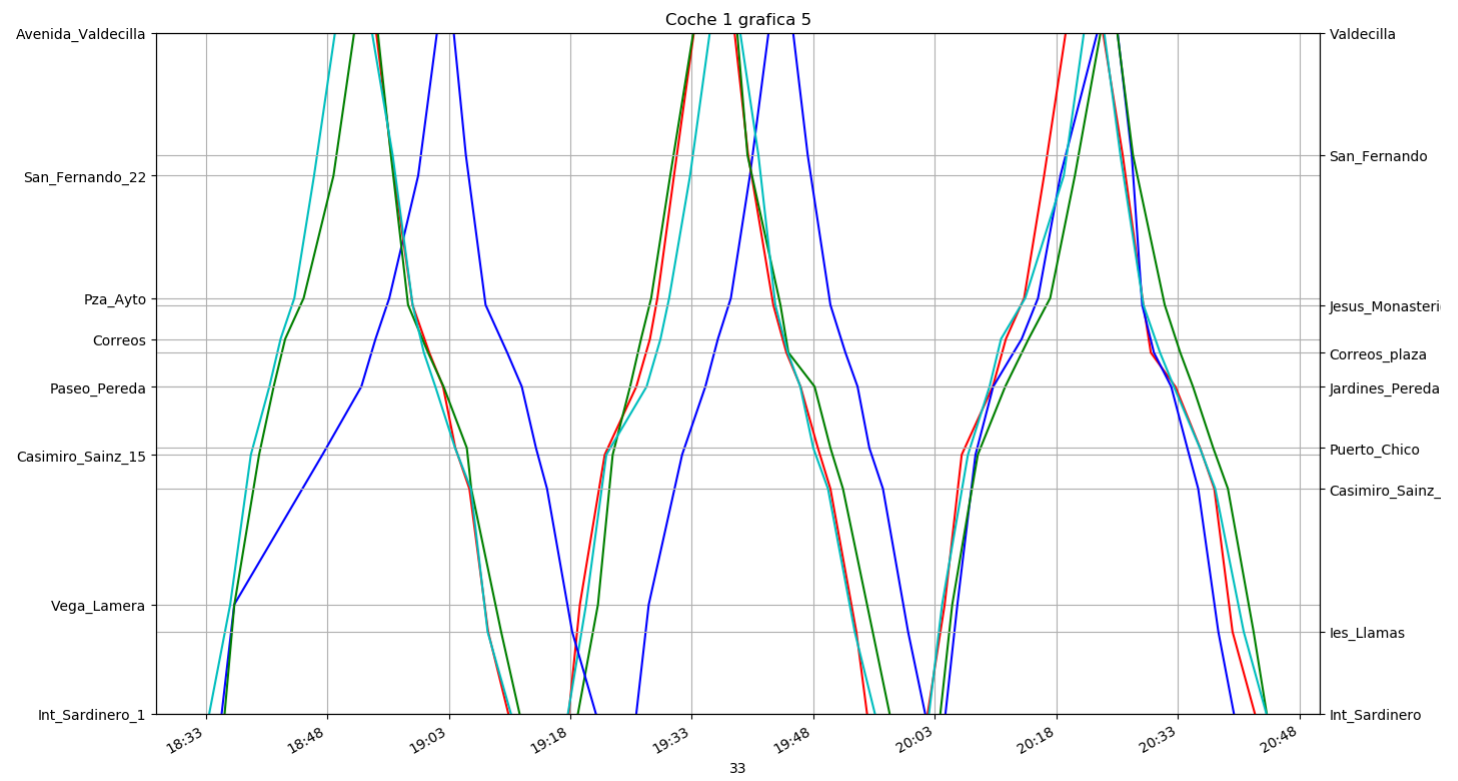
**Coche 1 grafica 4**

Gráfico evolución:



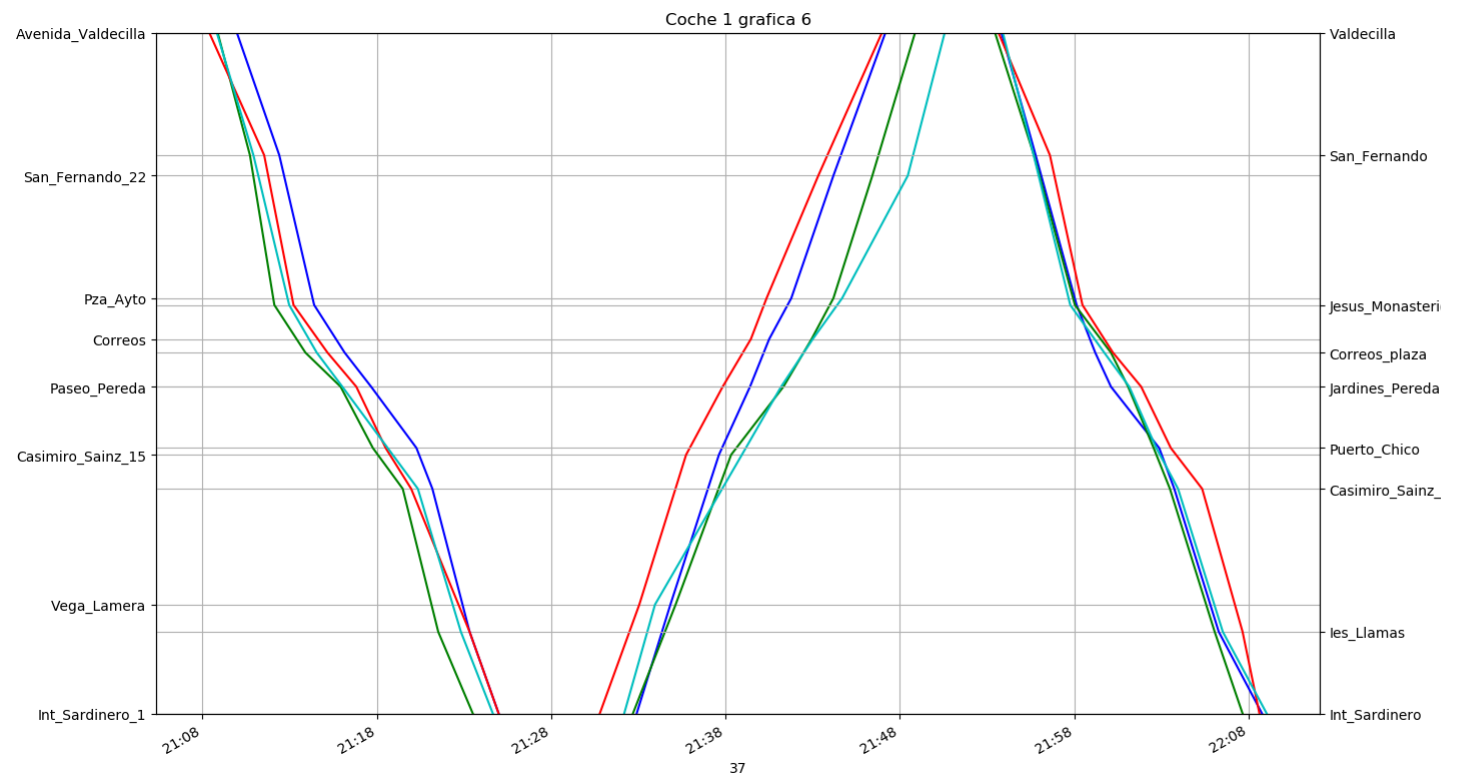
**Coche 1 grafica 5**

Gráfico evolución:



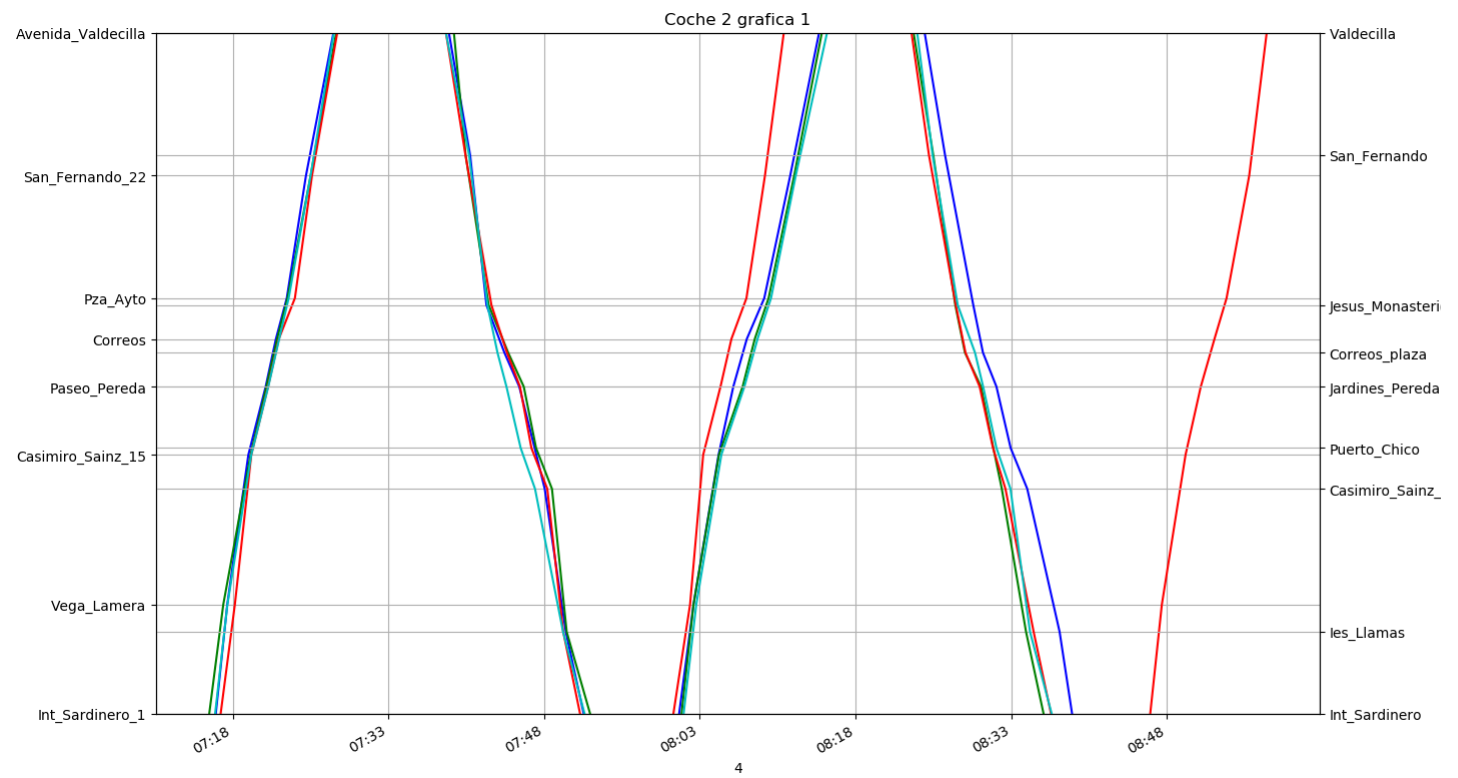
**Coche 1 grafica 6**

Gráfico evolución:



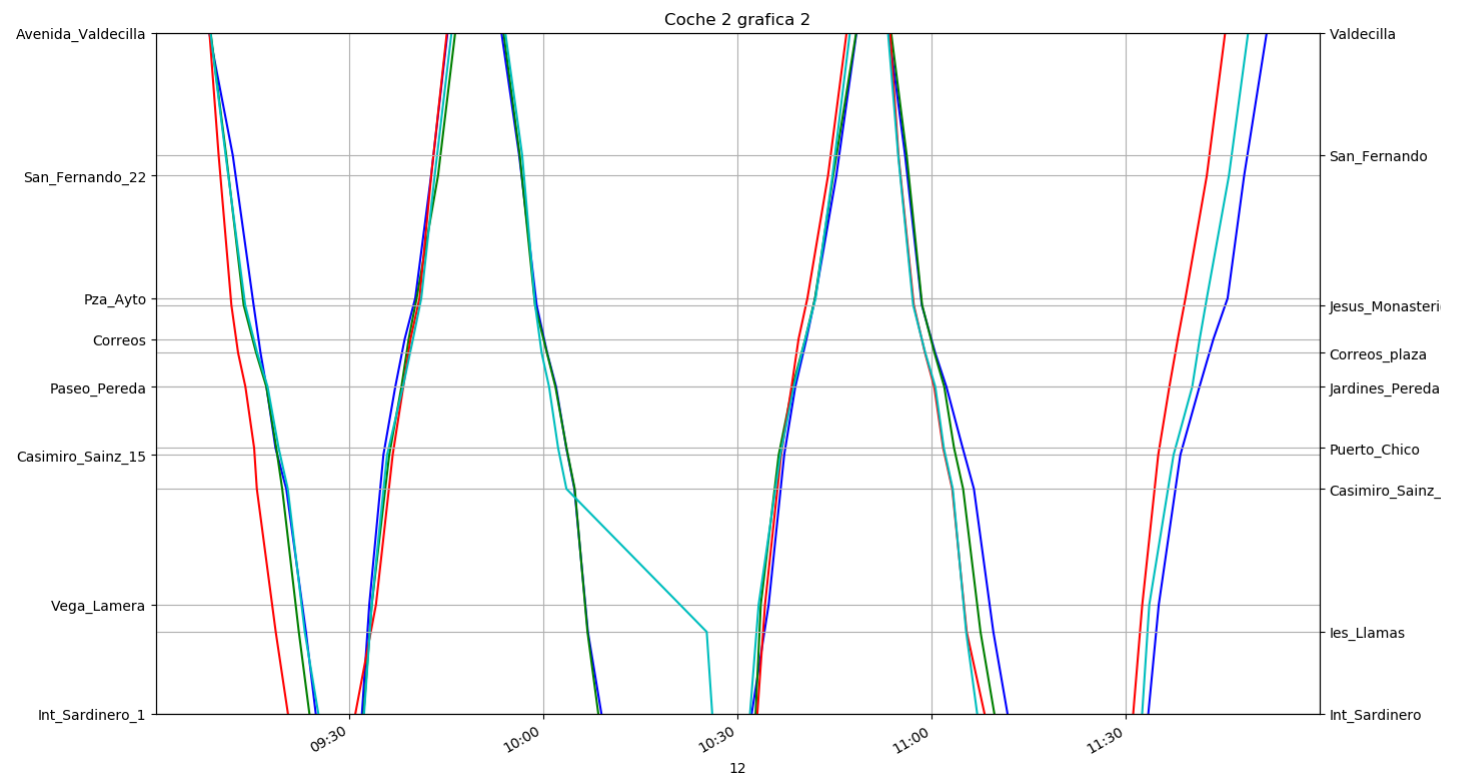
**Coche 2 grafica 1**

Gráfico evolución:



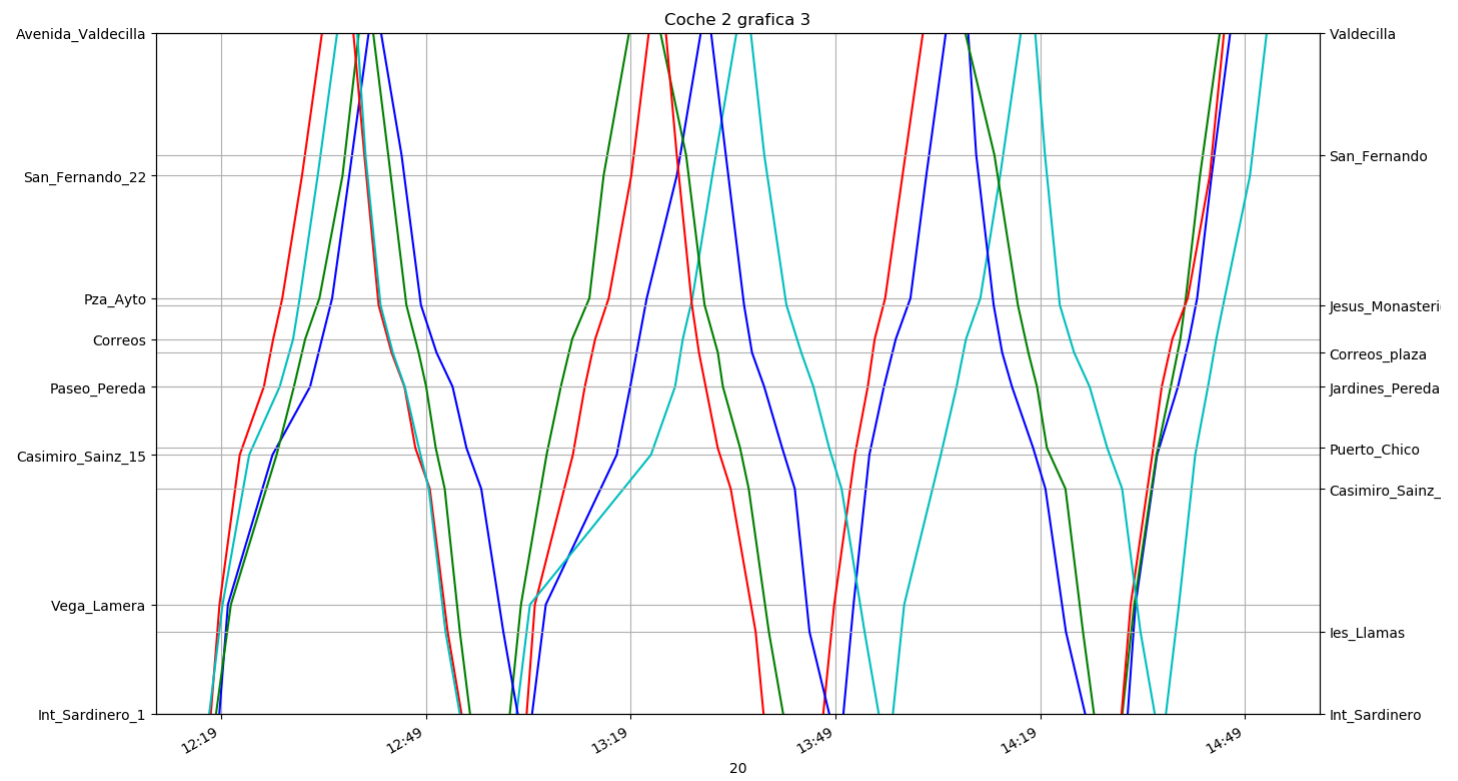
**Coche 2 grafica 2**

Gráfico evolución:



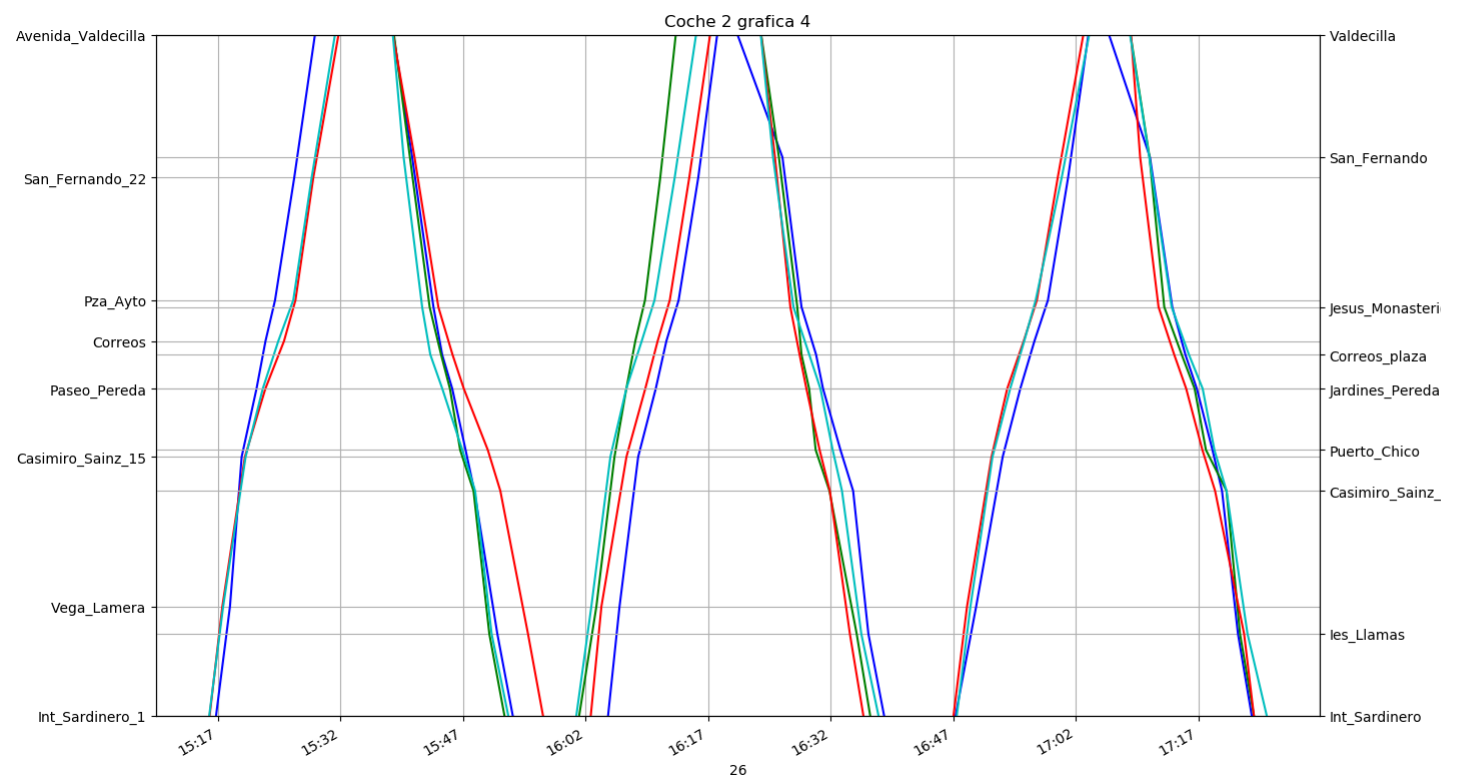
**Coche 2 grafica 3**

Gráfico evolución:



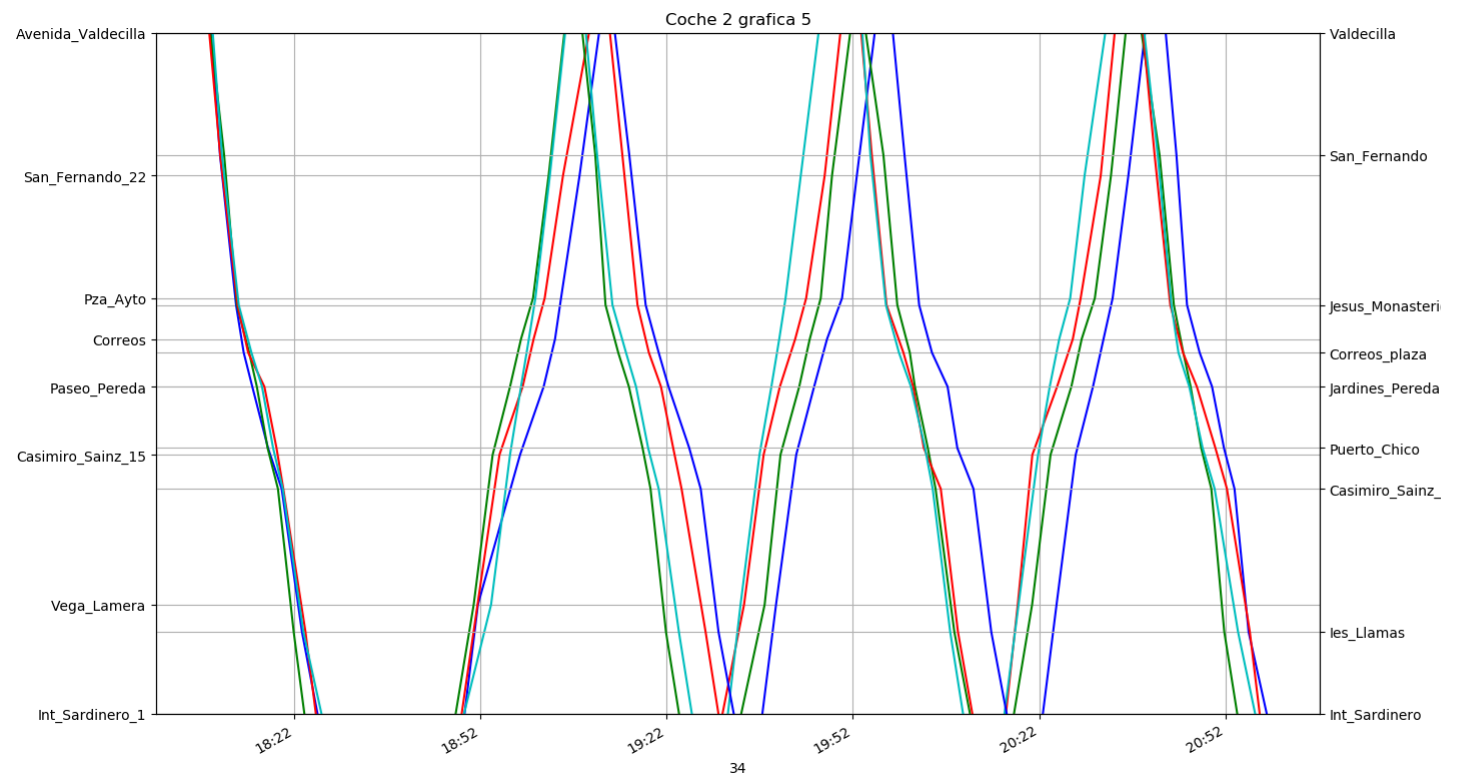
**Coche 2 grafica 4**

Gráfico evolución:



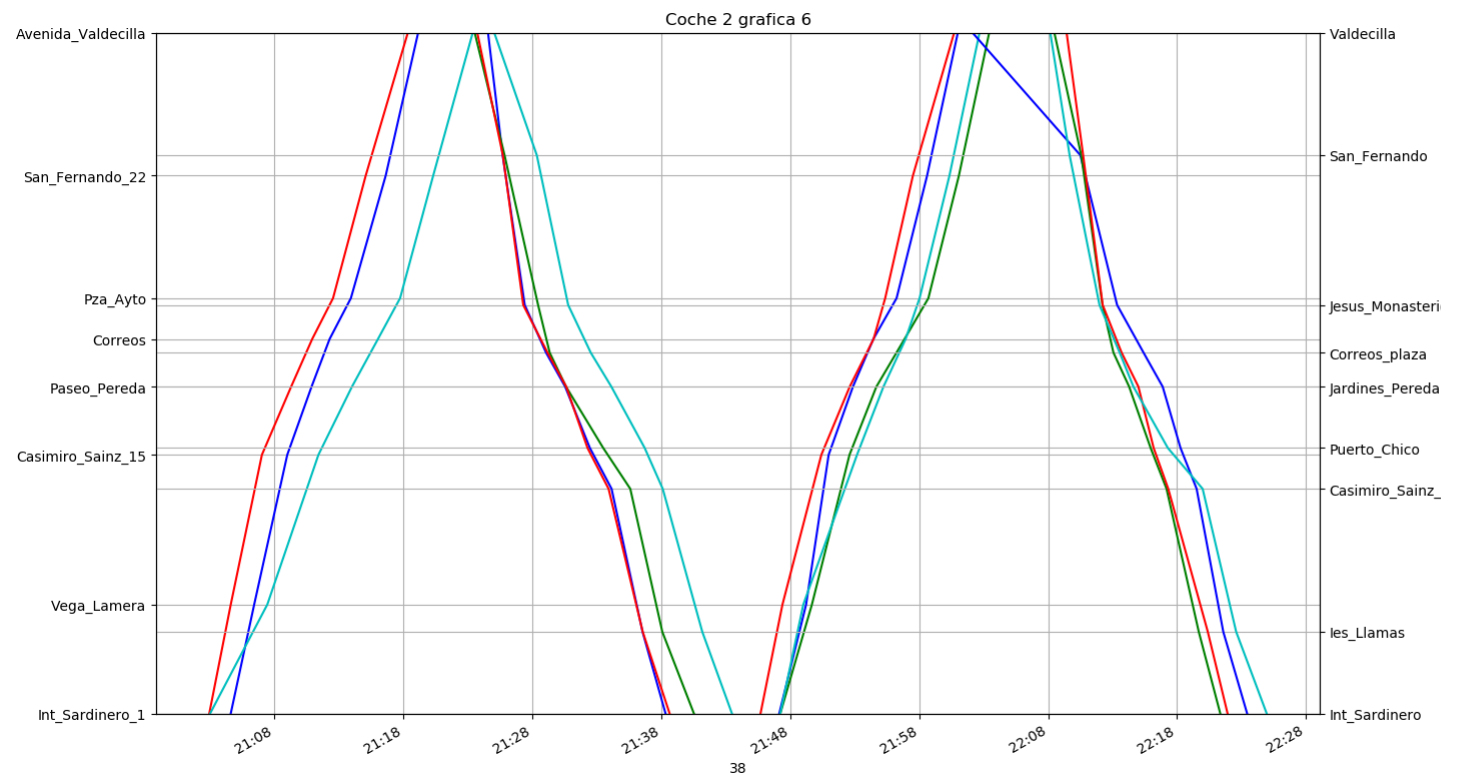
**Coche 2 grafica 5**

Gráfico evolución:



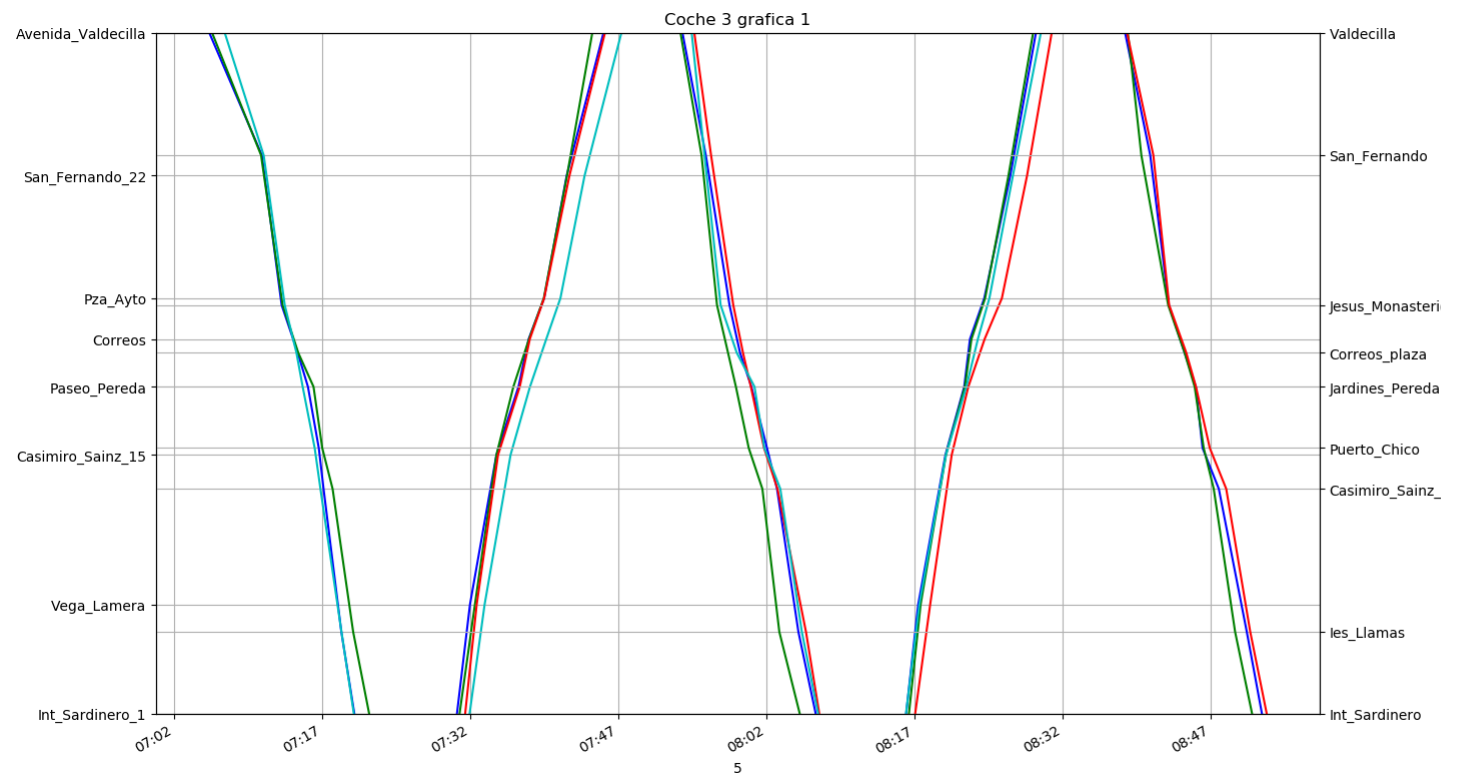
**Coche 2 grafica 6**

Gráfico evolución:



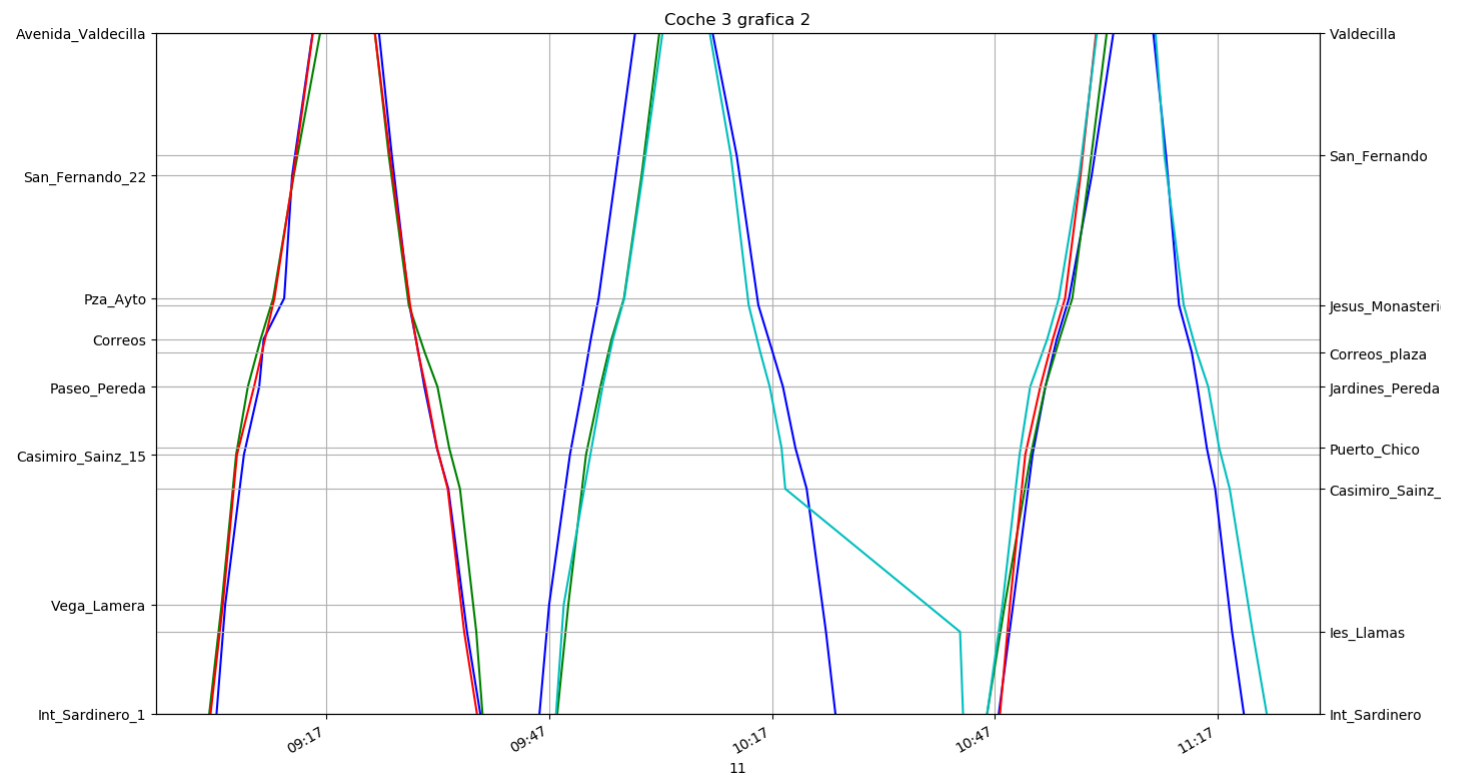
**Coche 3 grafica 1**

Gráfico evolución:



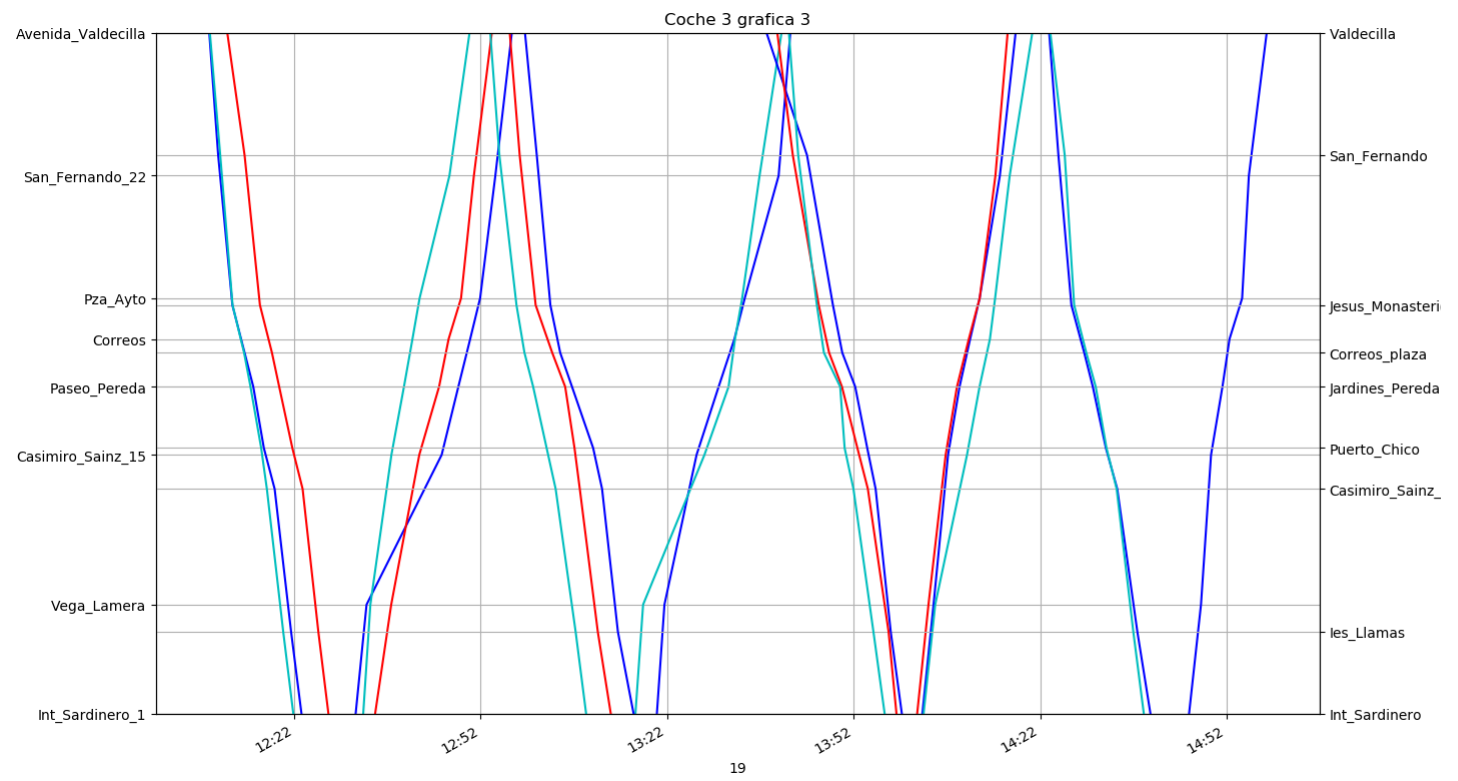
**Coche 3 grafica 2**

Gráfico evolución:



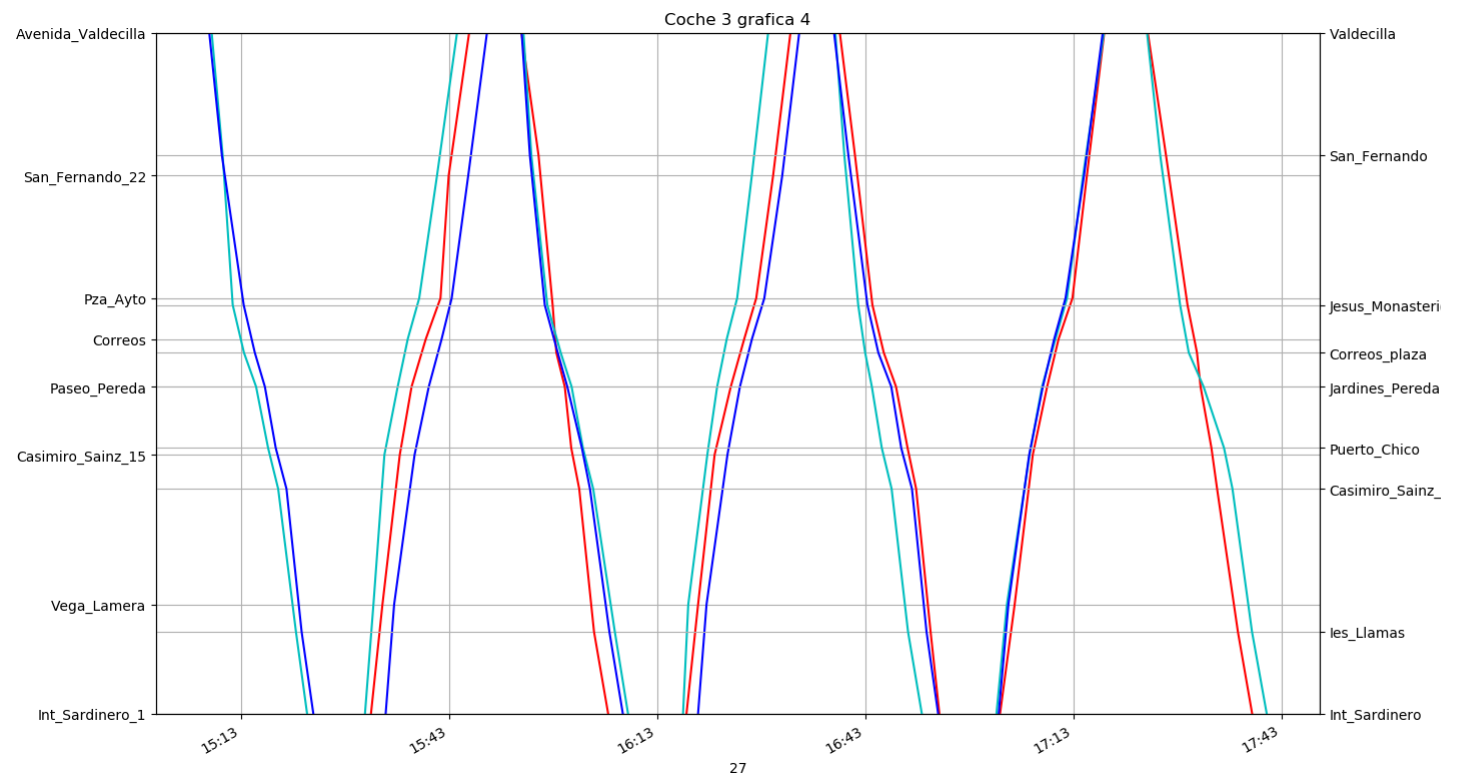
**Coche 3 grafica 3**

Gráfico evolución:



**Coche 3 grafica 4**

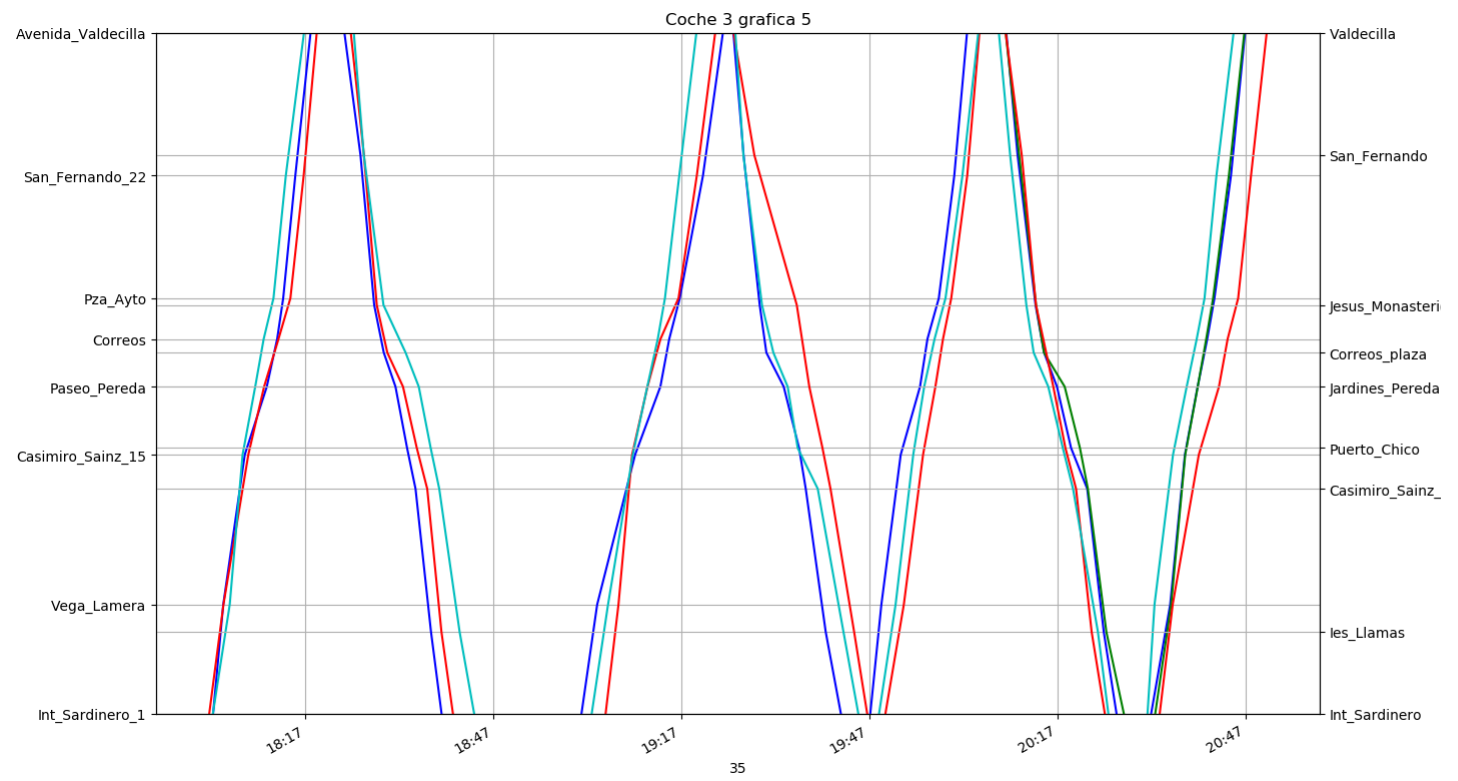
Gráfico evolución:



**Coche 3 grafica 5**

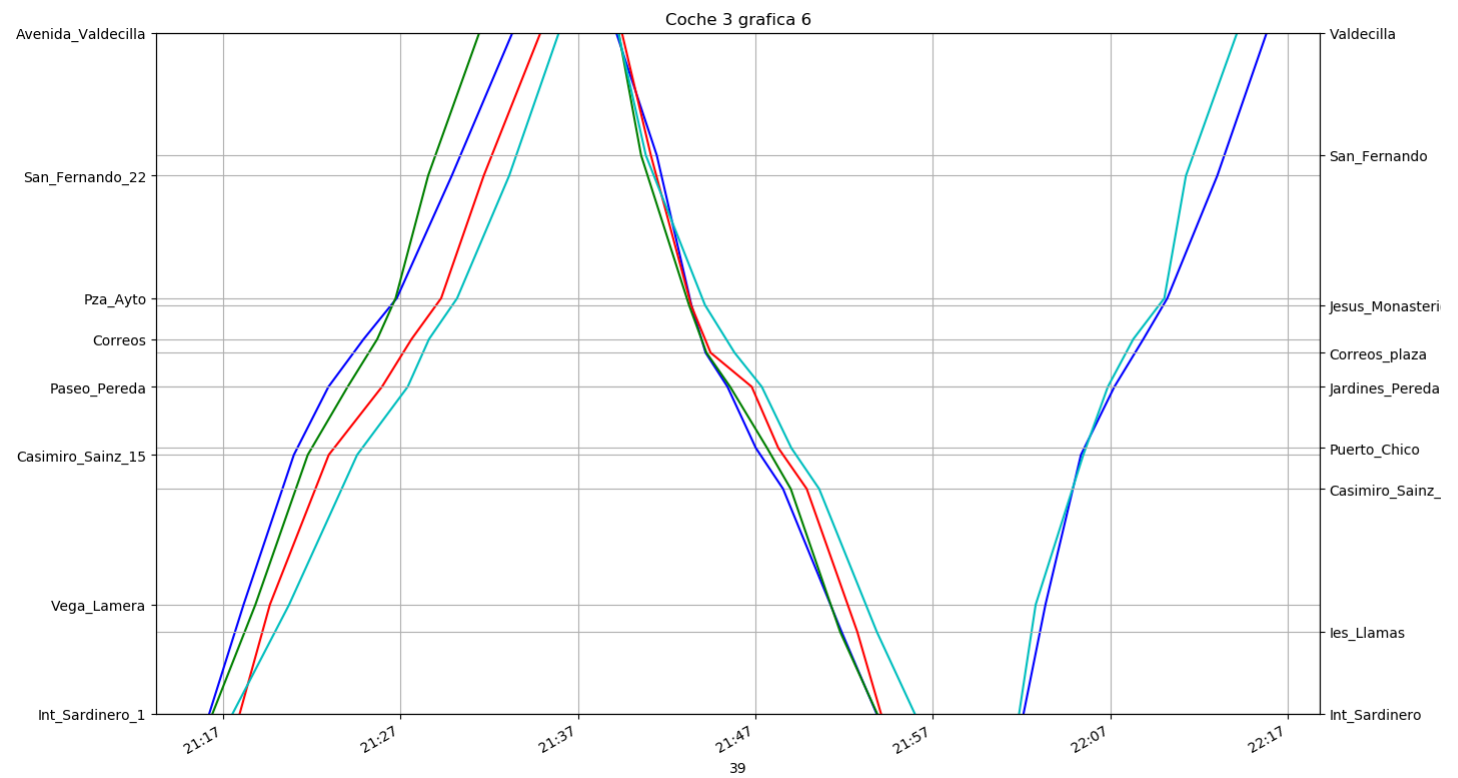
Gráfico evolución:





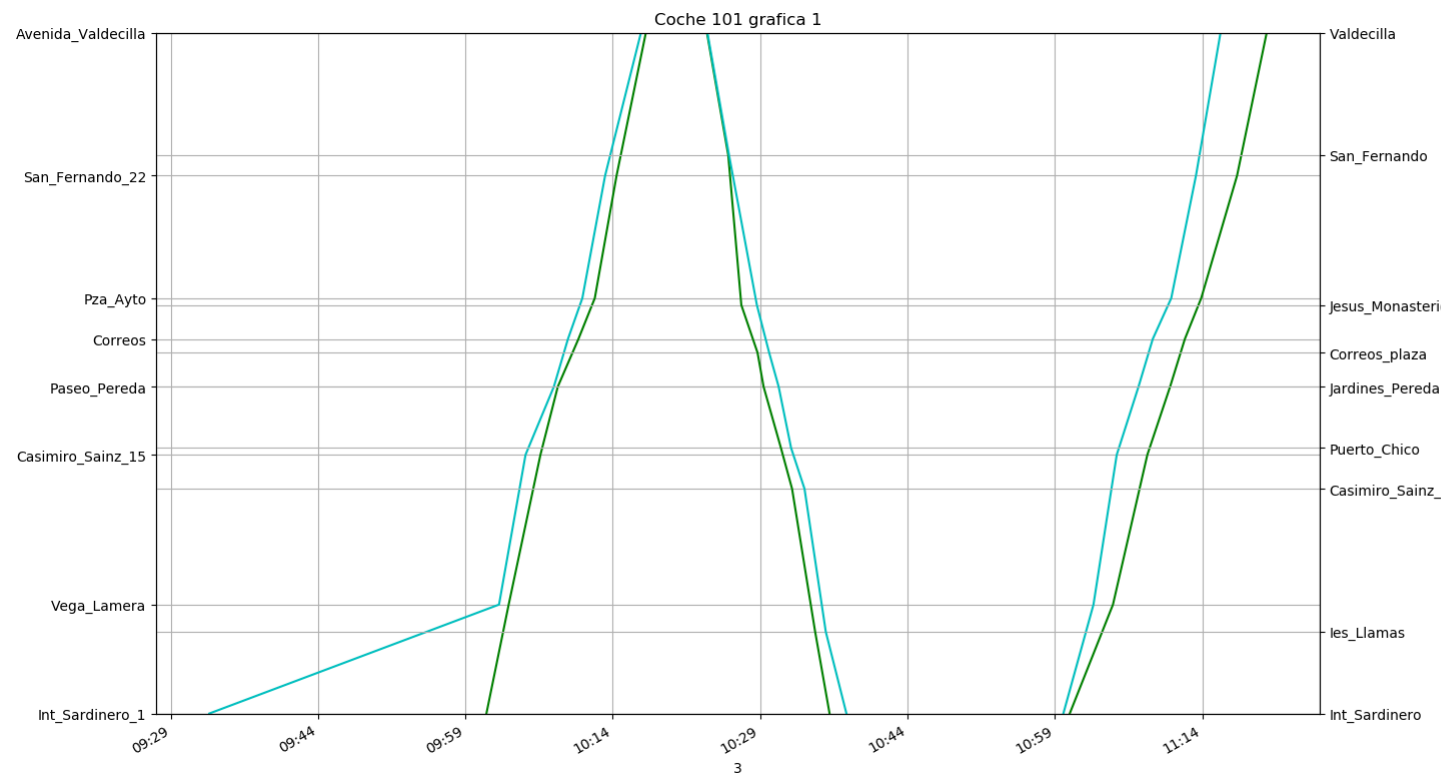
**Coche 3 grafica 6**

Gráfico evolución:



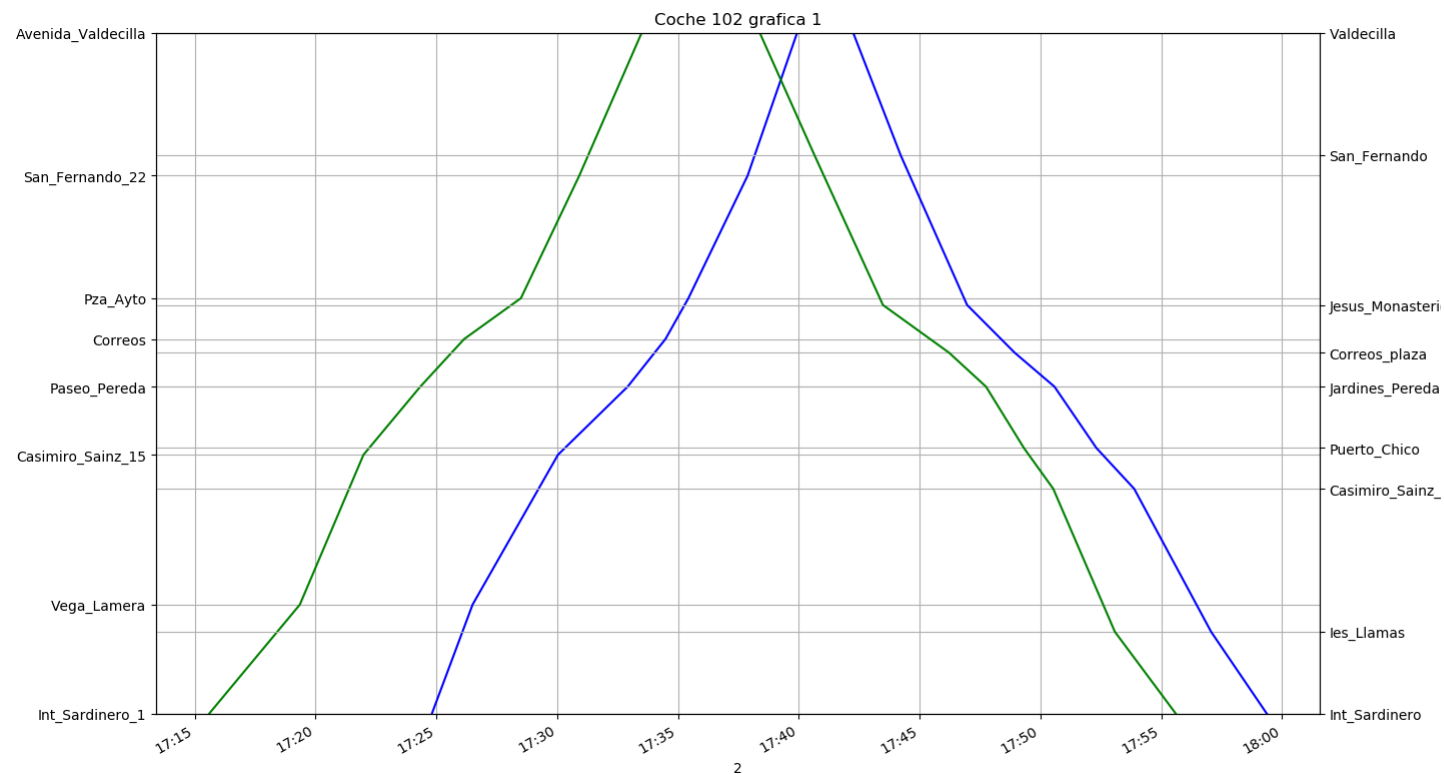
**Coche 101 grafica 1**

Gráfico evolución:



**Coche 102 grafica 1**

Gráfico evolución:



**Coche 102 grafica 1**

Gráfico evolución:

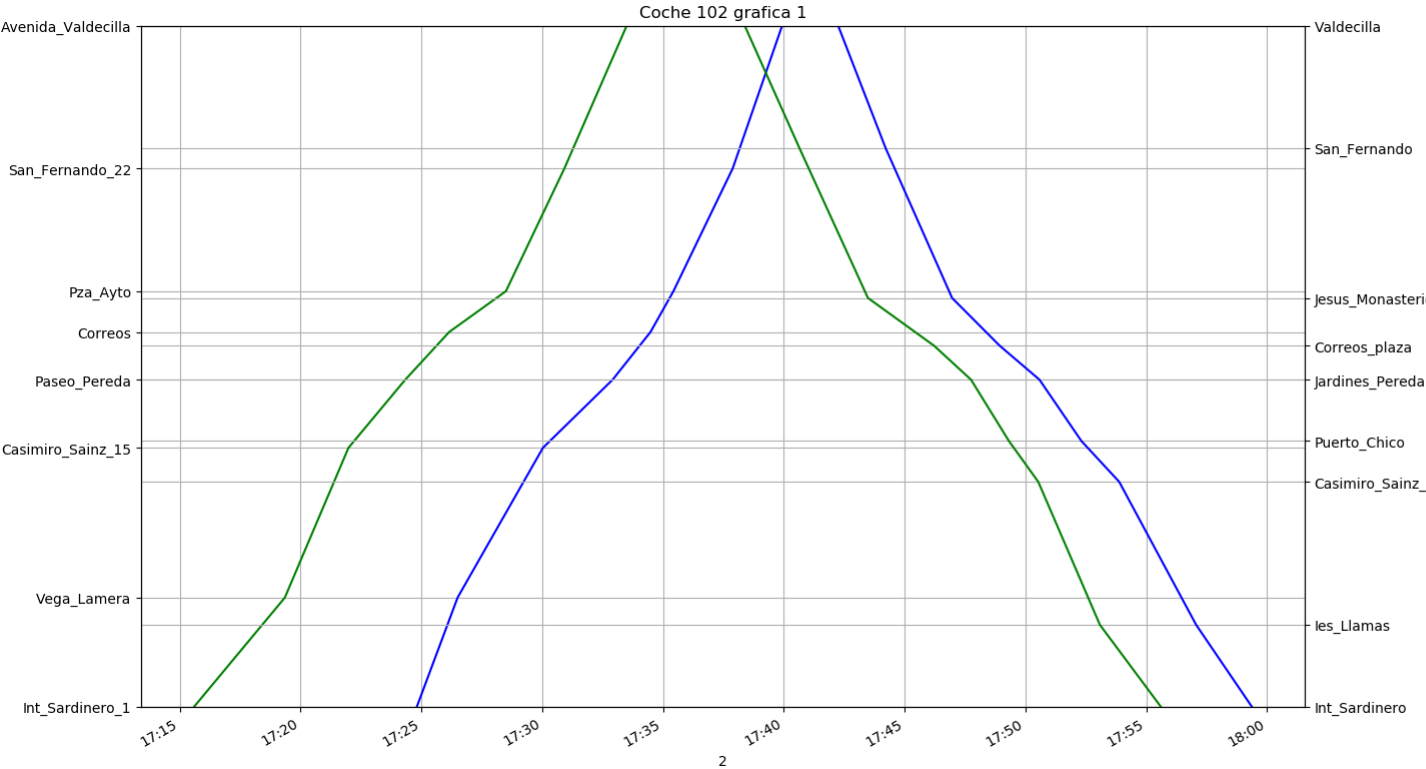


Tabla resumen velocidades y tiempos

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
0	Sardiner_Valdecilla	11	14.133333	20.801887	NaN	NaN
0	Sardiner_Valdecilla	14	23.366667	12.582026	NaN	NaN
0	Sardiner_Valdecilla	15	21.800000	13.486239	NaN	NaN
0	Sardiner_Valdecilla	16	18.550000	15.849057	NaN	NaN
0	Sardiner_Valdecilla	17	16.800000	17.500000	NaN	NaN
0	Sardiner_Valdecilla	18	16.450000	17.872340	NaN	NaN
0	Sardiner_Valdecilla	19	15.783333	18.627244	NaN	NaN
0	Sardiner_Valdecilla	20	14.133333	20.801887	NaN	NaN
0	Sardiner_Valdecilla	22	14.233333	20.655738	NaN	NaN
0	Sardiner_Valdecilla	24	12.866667	22.849741	NaN	NaN
0	Sardiner_Valdecilla	25	15.050000	19.534884	NaN	NaN
0	Sardiner_Valdecilla	26	13.683333	21.485993	NaN	NaN
0	Sardiner_Valdecilla	27	16.183333	18.166838	NaN	NaN
0	Sardiner_Valdecilla	29	18.100000	16.243094	NaN	NaN
0	Sardiner_Valdecilla	30	19.666667	14.949153	NaN	NaN
0	Sardiner_Valdecilla	31	18.000000	16.333333	NaN	NaN
0	Sardiner_Valdecilla	32	19.850000	14.811083	NaN	NaN
0	Sardiner_Valdecilla	33	17.000000	17.294118	NaN	NaN
0	Sardiner_Valdecilla	34	19.583333	15.012766	NaN	NaN
0	Sardiner_Valdecilla	35	17.416667	16.880383	NaN	NaN
0	Sardiner_Valdecilla	36	18.833333	15.610619	NaN	NaN
0	Sardiner_Valdecilla	37	18.800000	15.638298	NaN	NaN
0	Sardiner_Valdecilla	38	18.566667	15.834829	NaN	NaN
1	Valdecilla_Sardiner	2	27.079167	11.533107	7.115910	3.472227
1	Sardiner_Valdecilla	3	13.591667	21.676705	0.724249	1.146428
1	Valdecilla_Sardiner	4	13.066667	22.511257	0.336375	0.583155
1	Sardiner_Valdecilla	5	13.416667	21.985669	0.888507	1.462503
1	Sardiner_Valdecilla	7	13.411111	21.923233	0.117063	0.191135
1	Valdecilla_Sardiner	8	13.725000	21.757848	2.415948	3.829933
1	Sardiner_Valdecilla	9	16.041667	18.480000	2.062395	2.375879
1	Valdecilla_Sardiner	10	15.572222	19.052283	1.864681	2.162820
1	Sardiner_Valdecilla	11	16.195833	18.329005	1.757701	2.167833
1	Valdecilla_Sardiner	12	17.794444	16.687897	2.121931	2.089391
1	Sardiner_Valdecilla	13	18.320833	16.129194	1.449609	1.380224
1	Valdecilla_Sardiner	14	16.116667	18.322195	1.320353	1.469878
1	Sardiner_Valdecilla	15	21.938889	14.205215	6.793100	3.927403
1	Valdecilla_Sardiner	16	15.970833	18.557468	1.722314	1.843774
1	Sardiner_Valdecilla	17	17.783333	16.683612	2.059980	1.742005
1	Valdecilla_Sardiner	18	16.133333	18.226131	0.252212	0.286924
1	Sardiner_Valdecilla	19	14.983333	19.843514	1.898537	2.629363
1	Valdecilla_Sardiner	20	14.900000	19.938328	1.902265	2.433392
1	Sardiner_Valdecilla	21	15.016667	19.616964	0.816667	1.068428
1	Valdecilla_Sardiner	22	14.161111	21.004234	1.900317	2.724255
1	Sardiner_Valdecilla	23	13.188889	22.324154	0.612901	1.054527
1	Valdecilla_Sardiner	24	14.322222	20.581176	0.883386	1.304727
1	Sardiner_Valdecilla	25	14.945833	19.718820	0.826906	1.151708
1	Valdecilla_Sardiner	26	15.411111	19.265220	1.900755	2.291434
1	Sardiner_Valdecilla	27	14.638889	20.111004	0.654543	0.922977

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
1	Sardinero_Valdecilla	29	19.355556	16.136009	6.249363	4.399029
1	Valdecilla_Sardinero	30	17.112500	17.195105	0.570149	0.587596
1	Sardinero_Valdecilla	31	15.870833	18.630950	1.381517	1.633270
1	Valdecilla_Sardinero	32	17.012500	17.342075	1.200338	1.146555
1	Sardinero_Valdecilla	33	18.662500	15.801750	1.166855	1.029405
1	Valdecilla_Sardinero	34	17.879167	16.707781	2.448786	2.577001
1	Valdecilla_Sardinero	36	15.520833	18.987157	0.876375	1.060256
1	Sardinero_Valdecilla	37	16.254167	18.233475	1.682611	1.885526
1	Valdecilla_Sardinero	38	14.812500	19.860186	0.416639	0.572873
2	Sardinero_Valdecilla	2	11.562500	25.455709	0.455903	0.970012
2	Valdecilla_Sardinero	3	13.091667	22.460602	0.191243	0.325735
2	Sardinero_Valdecilla	4	12.862500	23.120793	1.493652	3.027976
2	Valdecilla_Sardinero	5	13.275000	22.195366	0.721431	1.190147
2	Sardinero_Valdecilla	6	11.216667	26.210996	NaN	NaN
2	Valdecilla_Sardinero	7	15.120833	19.763782	2.097458	3.086323
2	Sardinero_Valdecilla	8	13.750000	21.400423	0.466865	0.730644
2	Valdecilla_Sardinero	9	20.672222	16.114223	9.775030	6.008872
2	Sardinero_Valdecilla	10	15.233333	19.368415	1.022252	1.364849
2	Valdecilla_Sardinero	11	15.645833	19.008347	1.982207	2.295432
2	Sardinero_Valdecilla	12	16.283333	18.249261	2.042942	2.325225
2	Sardinero_Valdecilla	14	19.450000	15.312530	2.485476	2.060320
2	Valdecilla_Sardinero	15	16.262500	18.390746	2.591845	2.621652
2	Sardinero_Valdecilla	16	23.066667	13.575124	6.943035	3.715209
2	Valdecilla_Sardinero	17	17.075000	17.402812	1.940480	2.170357
2	Sardinero_Valdecilla	18	16.111111	18.476979	2.279701	2.425082
2	Valdecilla_Sardinero	19	17.822222	16.524353	0.910484	0.825004
2	Sardinero_Valdecilla	20	14.758333	19.929482	0.349735	0.480142
2	Sardinero_Valdecilla	22	14.416667	20.685349	2.015427	3.136848
2	Valdecilla_Sardinero	23	15.145833	19.684039	2.181589	2.529445
2	Sardinero_Valdecilla	24	13.604167	21.776958	1.334817	2.258245
2	Valdecilla_Sardinero	25	14.545833	20.587350	2.386357	3.064308
2	Sardinero_Valdecilla	26	16.111111	18.250141	0.198839	0.226742
2	Valdecilla_Sardinero	27	16.079167	18.361510	1.208870	1.365772
2	Valdecilla_Sardinero	29	16.737500	17.625290	1.091921	1.225316
2	Sardinero_Valdecilla	30	18.991667	15.688579	2.519351	2.095580
2	Valdecilla_Sardinero	31	17.316667	17.070392	1.473532	1.453570
2	Sardinero_Valdecilla	32	17.308333	17.154872	1.899634	2.054867
2	Valdecilla_Sardinero	33	17.308333	17.026955	0.977762	0.966133
2	Sardinero_Valdecilla	34	17.045833	17.278927	0.839794	0.847541
2	Valdecilla_Sardinero	35	17.079167	17.316701	1.519038	1.542154
2	Sardinero_Valdecilla	36	16.766667	17.918540	3.147662	3.069766
2	Valdecilla_Sardinero	37	16.029167	18.577229	2.087989	2.419039
2	Sardinero_Valdecilla	38	15.129167	19.495739	0.982945	1.296060
2	Valdecilla_Sardinero	39	15.858333	19.430335	4.115339	4.618943
3	Valdecilla_Sardinero	2	14.566667	20.314181	1.421365	2.018489
3	Sardinero_Valdecilla	3	14.462500	20.380312	0.838802	1.193503
3	Valdecilla_Sardinero	4	12.766667	23.064555	0.582301	1.048311
3	Sardinero_Valdecilla	5	13.308333	22.121715	0.564128	0.953166
3	Valdecilla_Sardinero	6	13.533333	21.781182	0.834832	1.387303
3	Sardinero_Valdecilla	7	13.894444	21.232788	1.004619	1.520913
3	Valdecilla_Sardinero	8	13.972222	21.056752	0.460776	0.682401
3	Sardinero_Valdecilla	9	13.661111	21.563268	0.737363	1.176728
3	Valdecilla_Sardinero	10	25.341667	13.188816	12.433294	6.470783
3	Sardinero_Valdecilla	11	14.829167	19.959670	1.363232	1.945042
3	Valdecilla_Sardinero	12	13.591667	21.860081	1.968114	3.165405
3	Valdecilla_Sardinero	14	14.838889	19.935680	1.425008	1.922239
3	Sardinero_Valdecilla	15	21.258333	14.197241	3.923446	2.660383
3	Valdecilla_Sardinero	16	16.377778	17.998213	1.030956	1.122067
3	Sardinero_Valdecilla	17	19.983333	15.276031	4.447877	3.809903
3	Valdecilla_Sardinero	18	18.777778	15.978977	3.201099	2.846466
3	Sardinero_Valdecilla	19	16.050000	18.437104	1.489283	1.715453
3	Valdecilla_Sardinero	20	15.658333	18.805906	0.883883	1.061558
3	Sardinero_Valdecilla	21	12.483333	23.551402	NaN	NaN
3	Valdecilla_Sardinero	22	14.375000	20.490909	0.883883	1.259936
3	Sardinero_Valdecilla	23	14.005556	21.025058	0.678301	1.034392
3	Valdecilla_Sardinero	24	14.050000	21.064425	1.363920	2.151035
3	Sardinero_Valdecilla	25	13.944444	21.249731	1.466698	2.368897
3	Valdecilla_Sardinero	26	13.938889	21.223564	1.315752	2.090898
3	Sardinero_Valdecilla	27	15.166667	19.388802	0.274368	0.347137
3	Valdecilla_Sardinero	28	16.141667	18.300010	1.567420	1.777004
3	Sardinero_Valdecilla	29	15.744444	18.759656	1.319126	1.548499
3	Valdecilla_Sardinero	30	17.000000	17.439017	1.946792	1.899530
3	Sardinero_Valdecilla	31	18.916667	15.816290	3.185165	2.446669
3	Valdecilla_Sardinero	32	19.361111	15.307379	2.095056	1.698199
3	Sardinero_Valdecilla	33	15.422222	19.072699	0.416778	0.516175
3	Valdecilla_Sardinero	34	17.429167	16.934311	1.244200	1.235551
3	Sardinero_Valdecilla	35	15.000000	19.734021	1.470764	1.825391
3	Sardinero_Valdecilla	37	16.862500	17.526044	1.380243	1.483991
3	Valdecilla_Sardinero	38	15.133333	19.492574	1.045272	1.259822
3	Sardinero_Valdecilla	39	12.991667	22.697363	1.001735	1.750101
101	Sardinero_Valdecilla	1	22.616667	15.910860	14.232897	6.183779
101	Valdecilla_Sardinero	2	13.316667	22.164394	1.178511	1.961526
101	Sardinero_Valdecilla	3	17.008333	17.479476	2.149957	2.050440
102	Sardinero_Valdecilla	2	16.495833	17.927545	1.456936	1.583259
102	Valdecilla_Sardinero	3	17.166667	17.126359	0.070711	0.070545
102	Sardinero_Valdecilla	4	27.105556	11.721457	9.985522	3.563158

