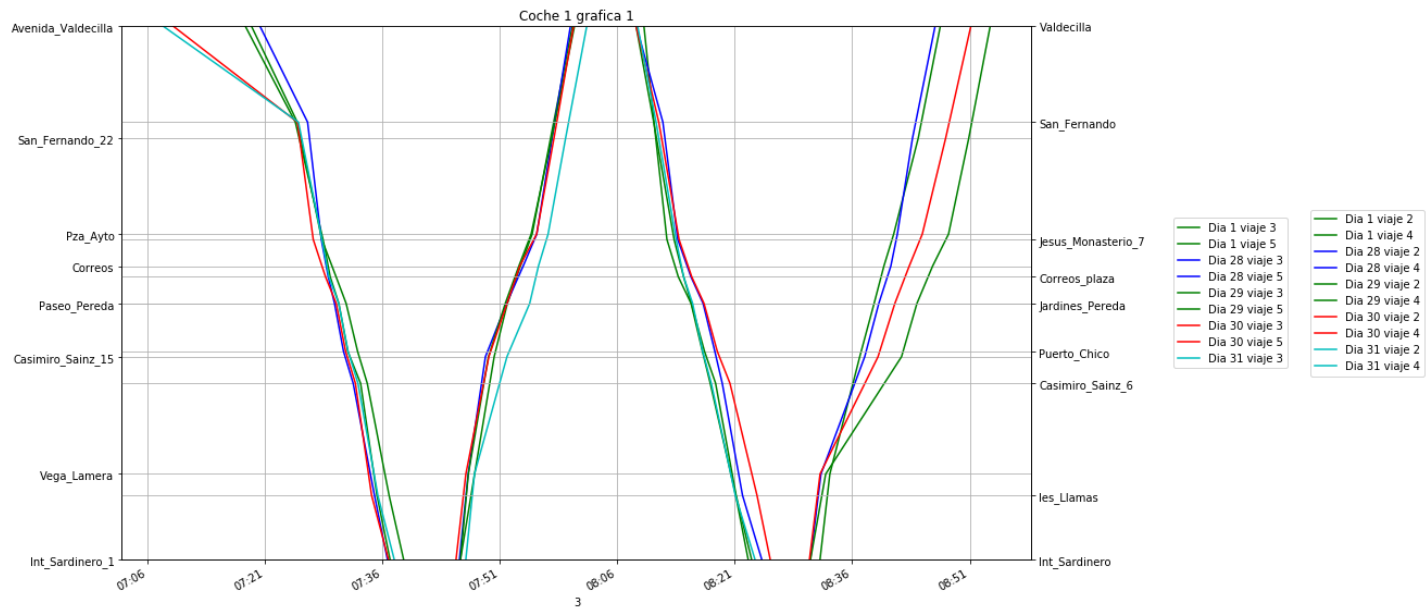


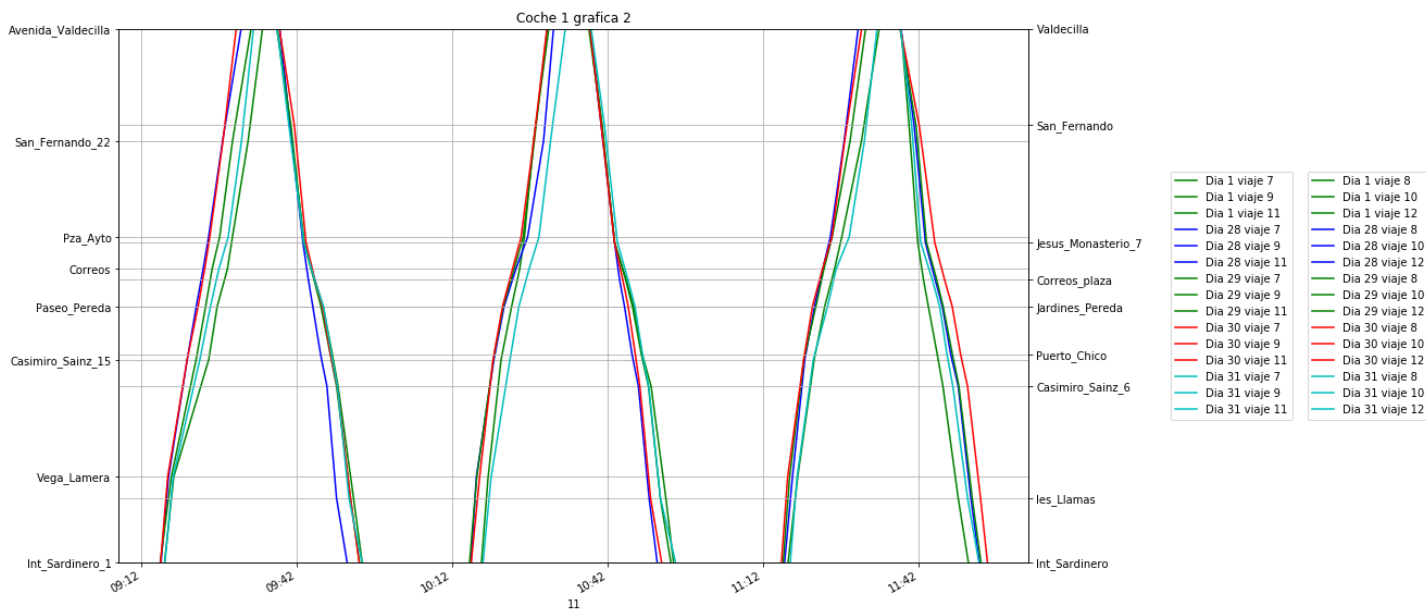
Coche 1 grafica 1

Gráfico evolución:



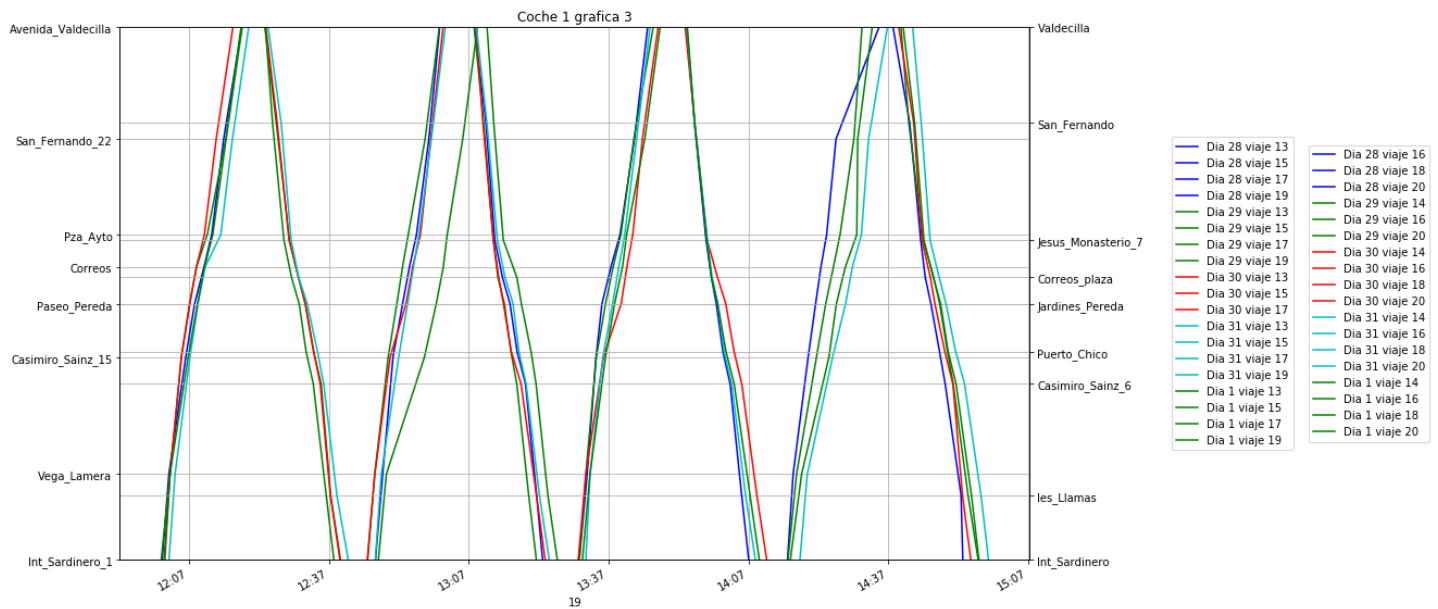
Coche 1 grafica 2

Gráfico evolución:



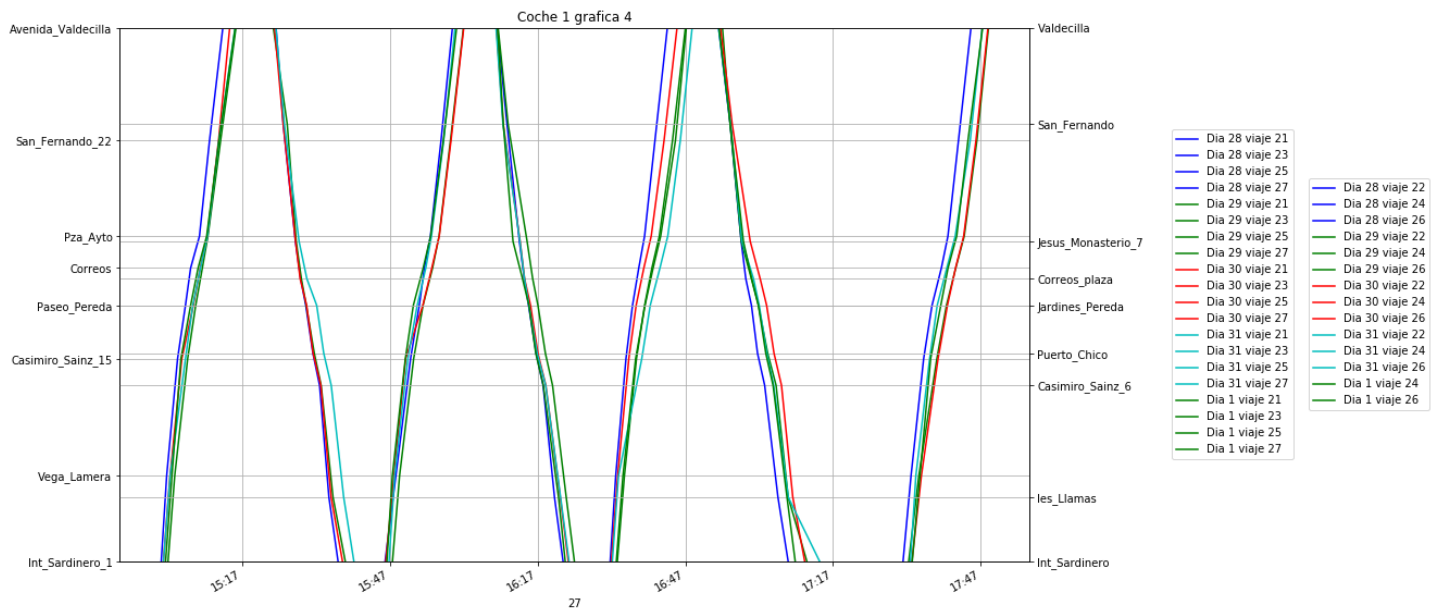
Coche 1 grafica 3

Gráfico evolución:



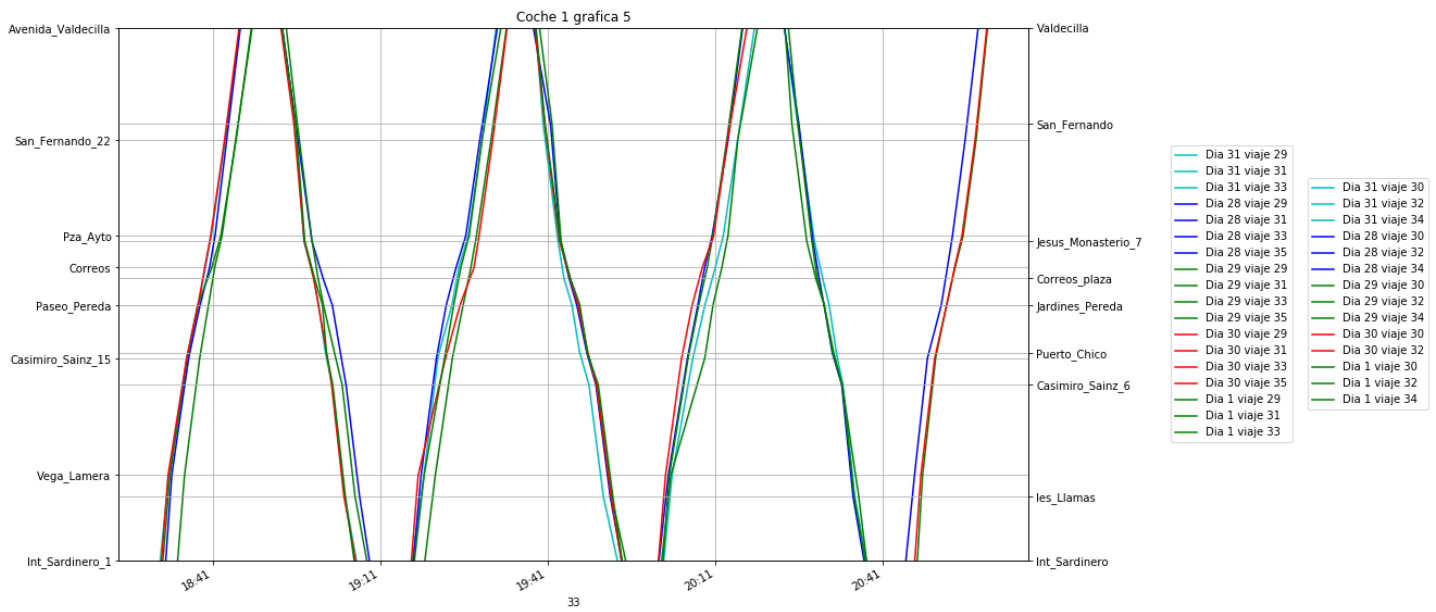
Coche 1 grafica 4

Gráfico evolución:



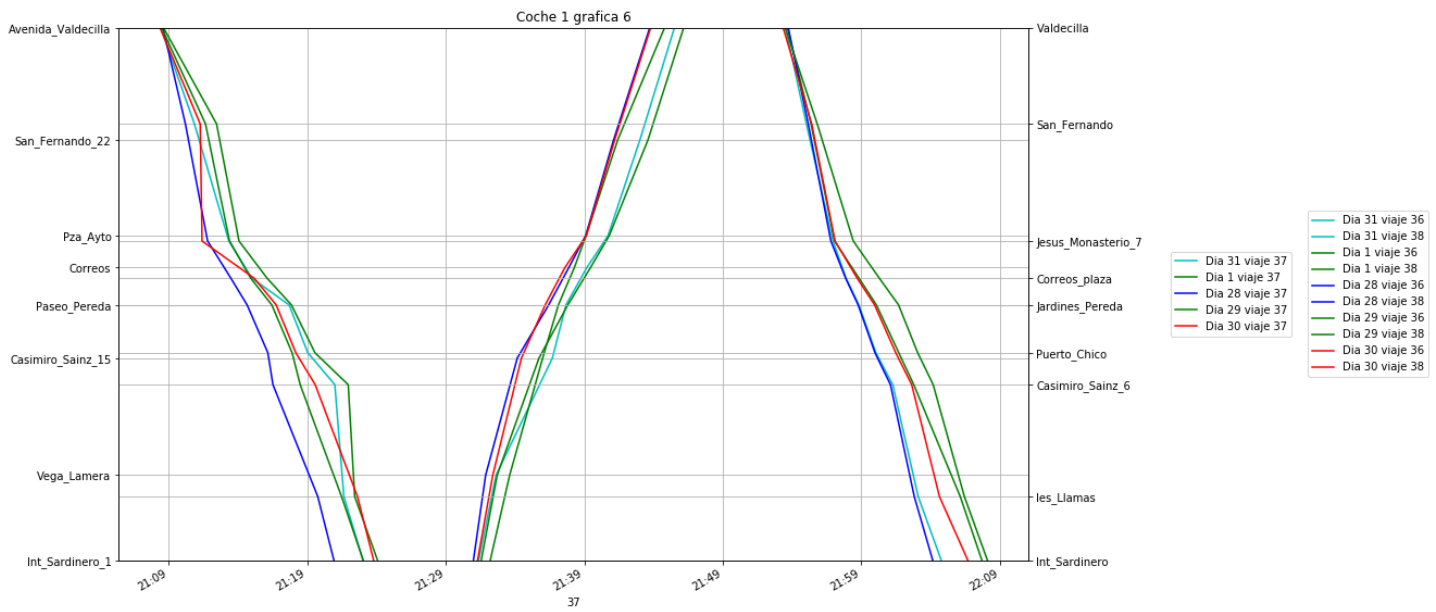
Coche 1 grafica 5

Gráfico evolución:



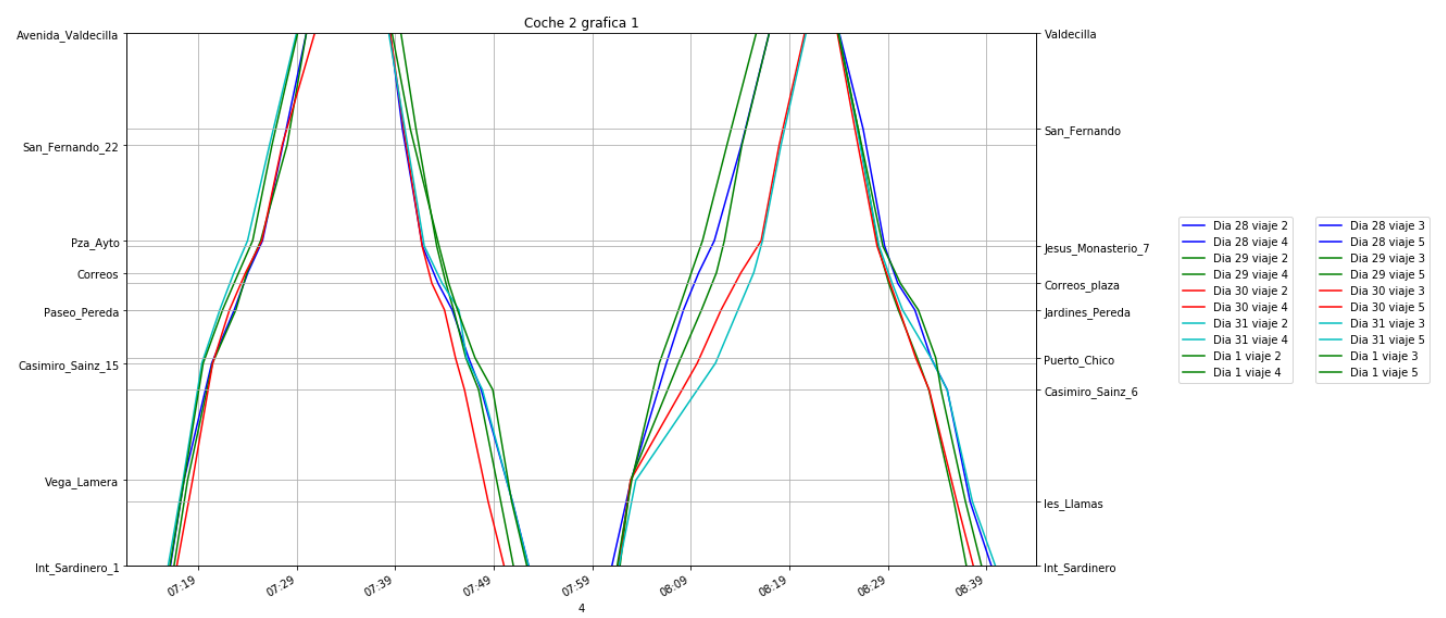
Coche 1 grafica 6

Gráfico evolución:



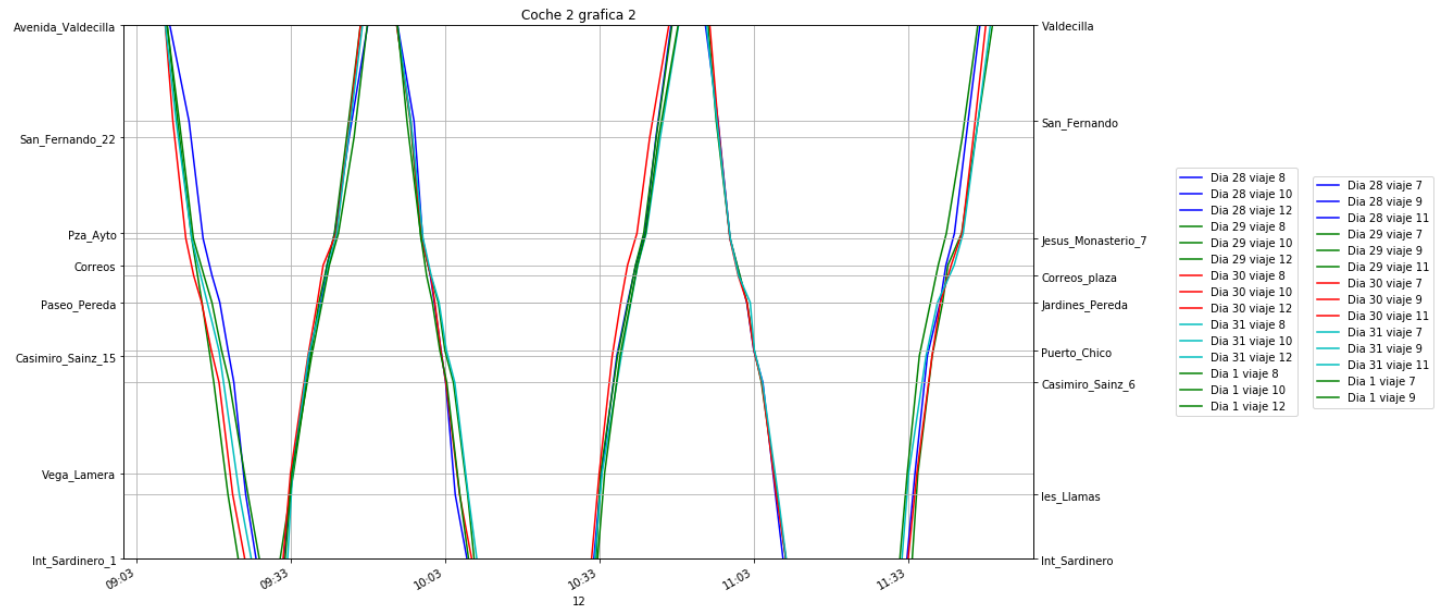
Coche 2 grafica 1

Gráfico evolución:



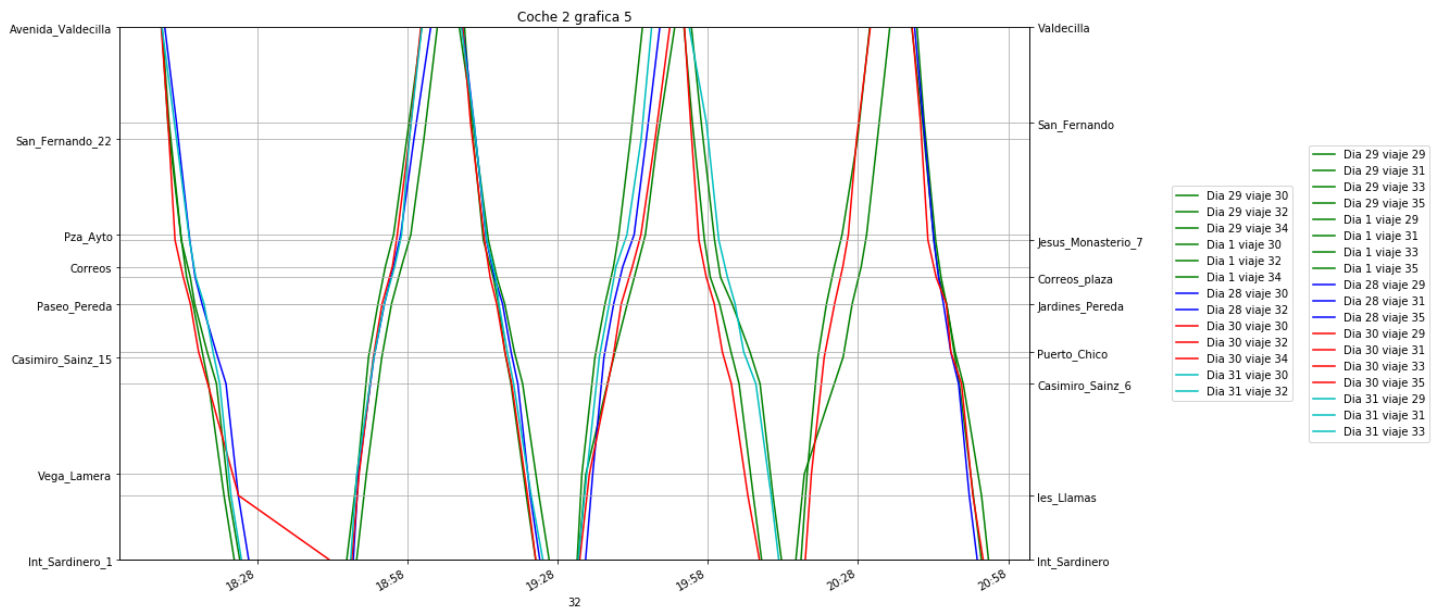
Coche 2 grafica 2

Gráfico evolución:



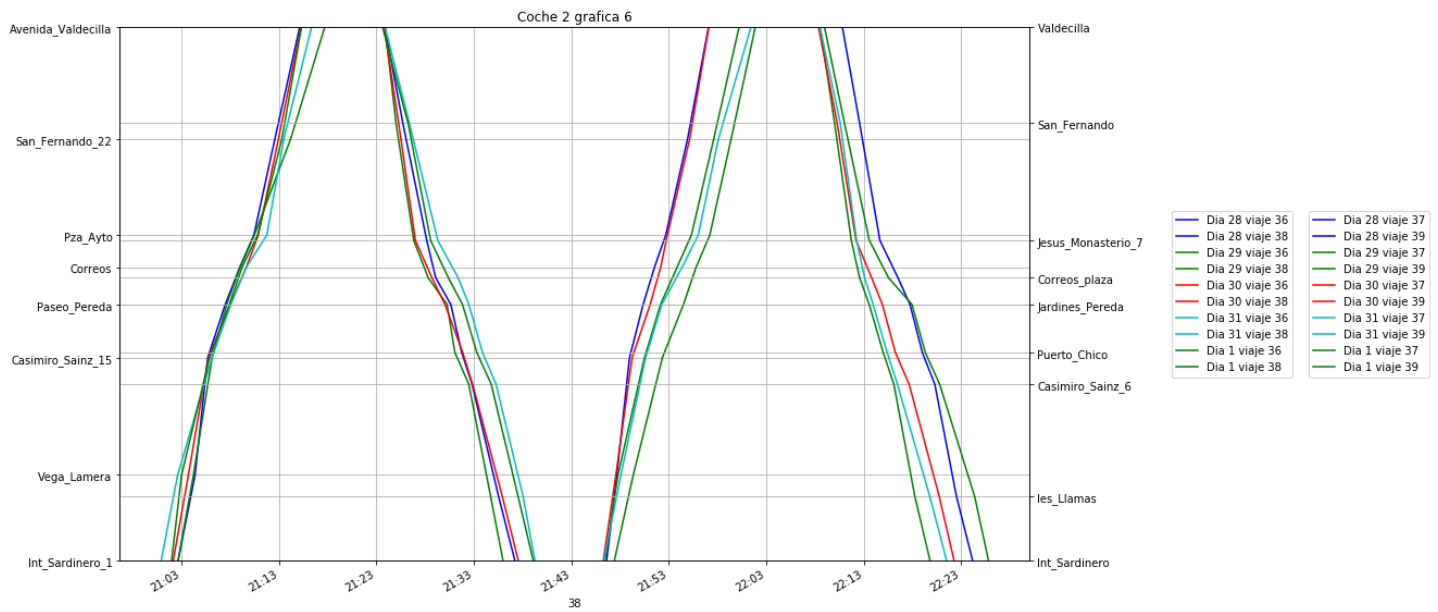
Coche 2 grafica 3

Gráfico evolución:



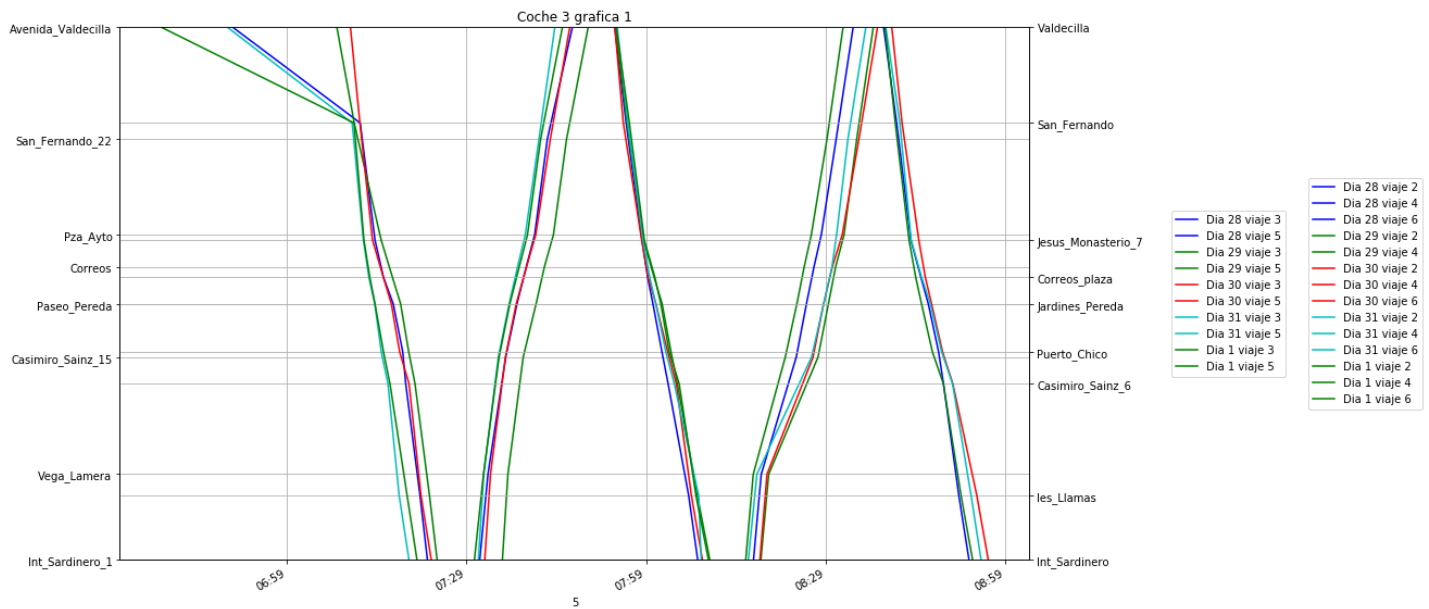
Coche 2 grafica 6

Gráfico evolución:



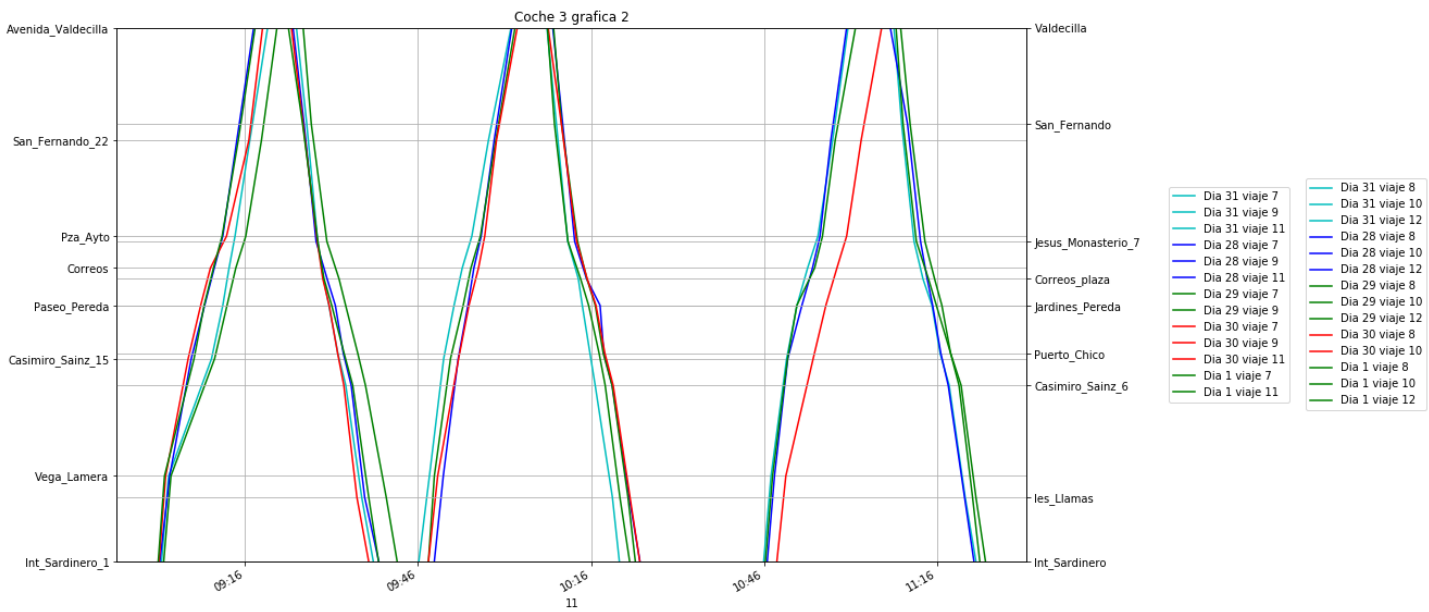
Coche 3 grafica 1

Gráfico evolución:



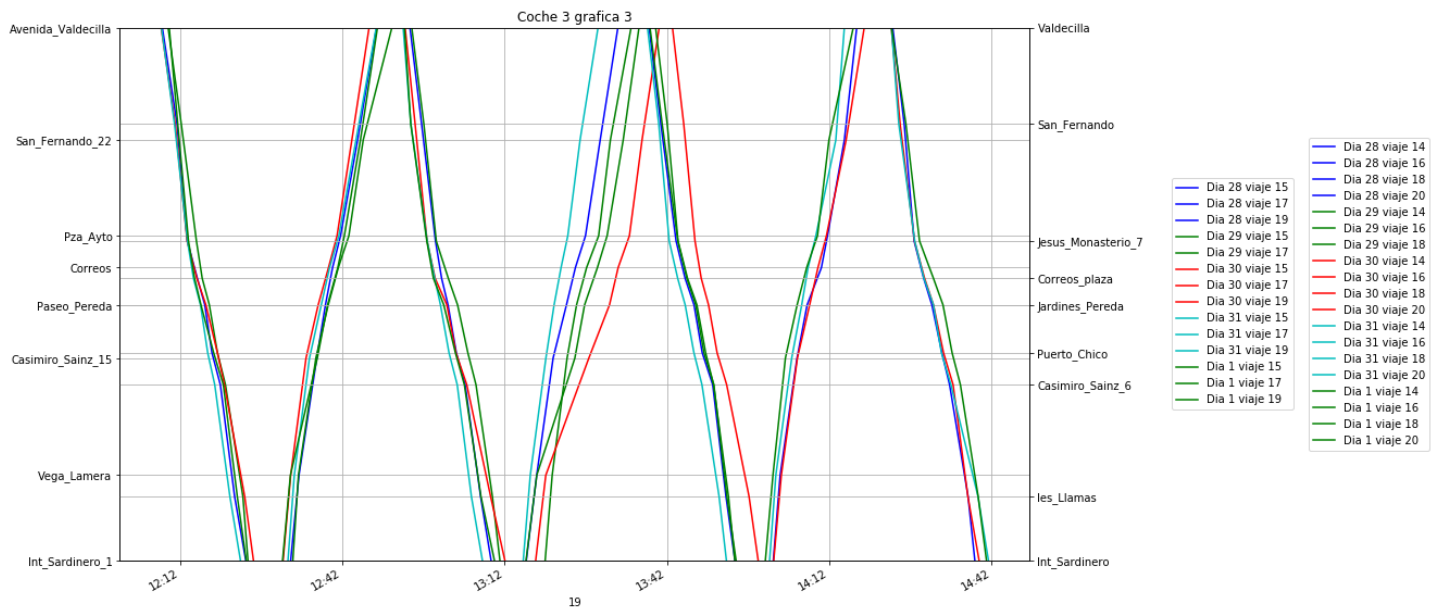
Coche 3 grafica 2

Gráfico evolución:



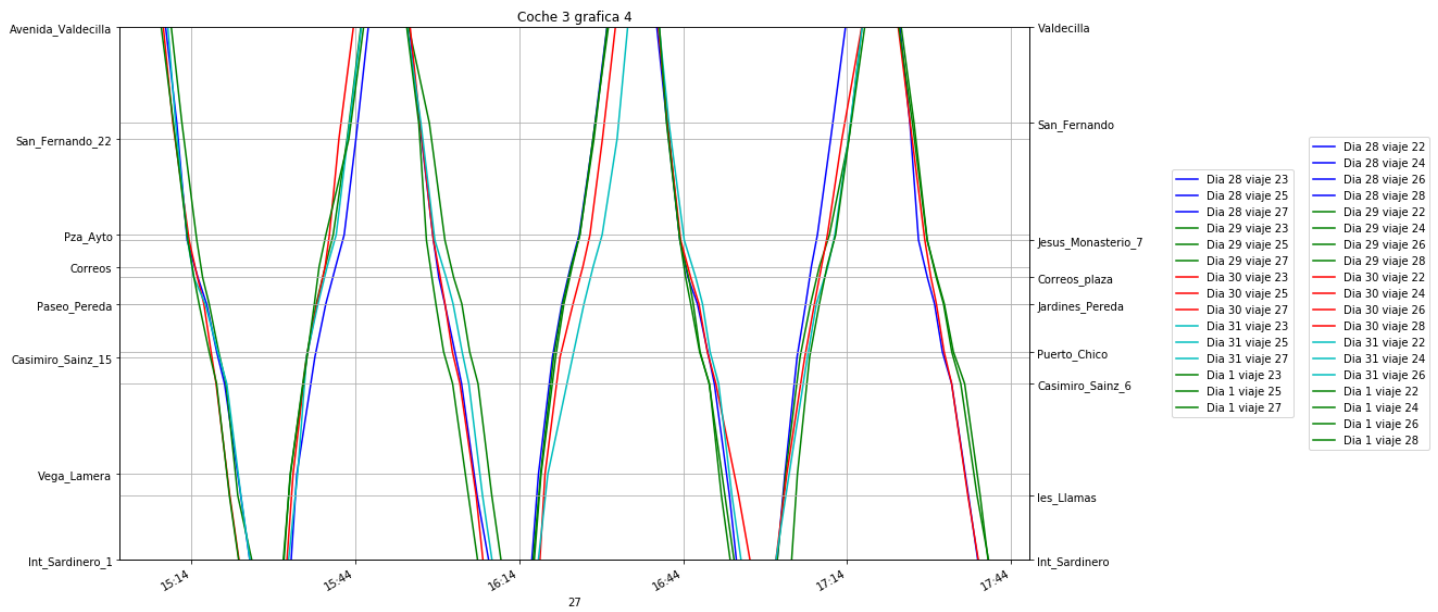
Coche 3 grafica 3

Gráfico evolución:



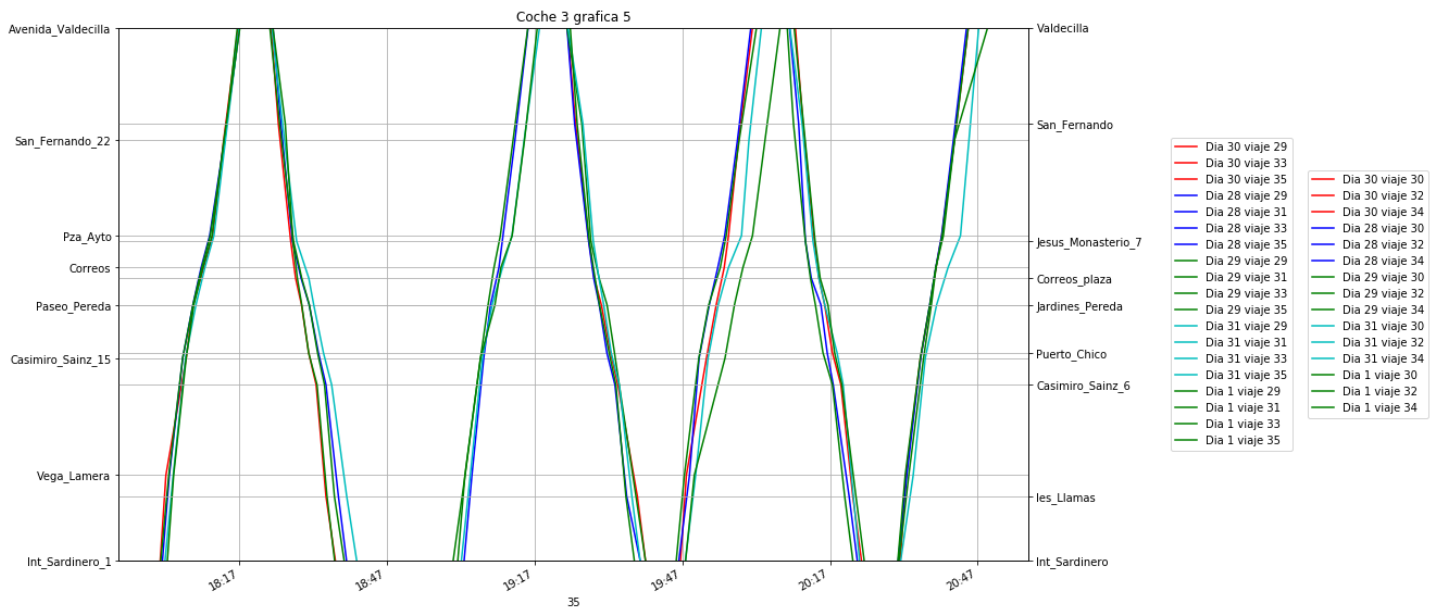
Coche 3 grafica 4

Gráfico evolución:



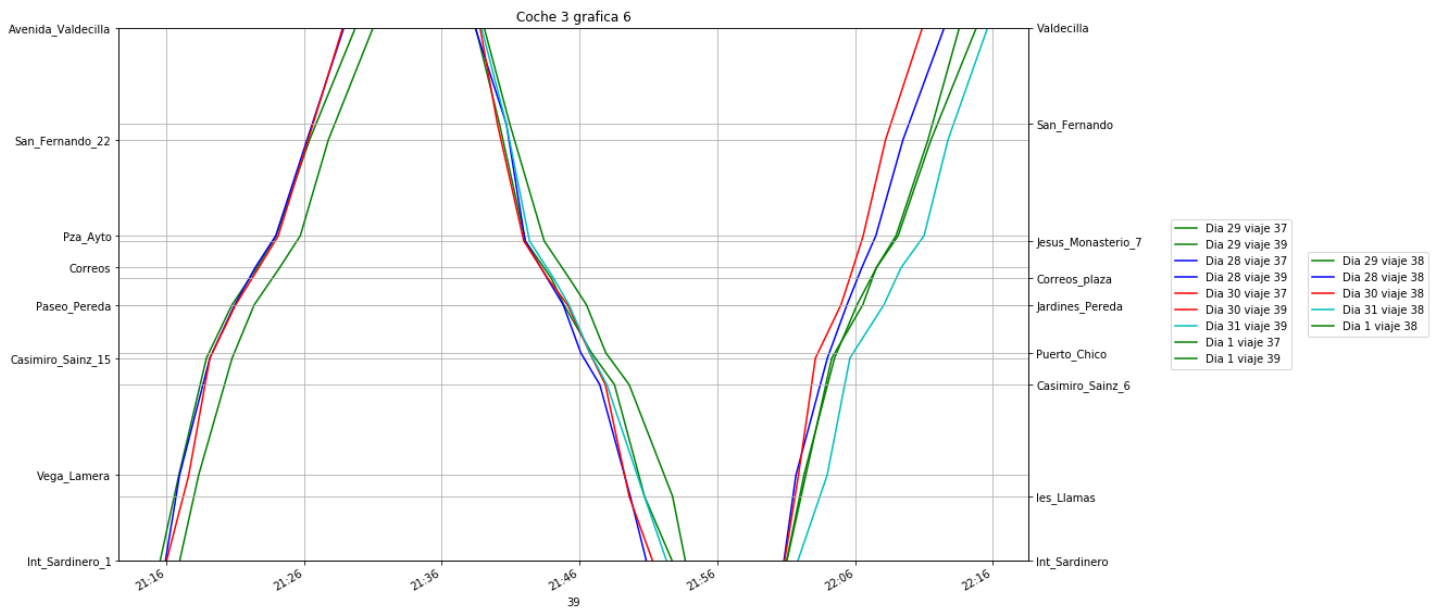
Coche 3 grafica 5

Gráfico evolución:



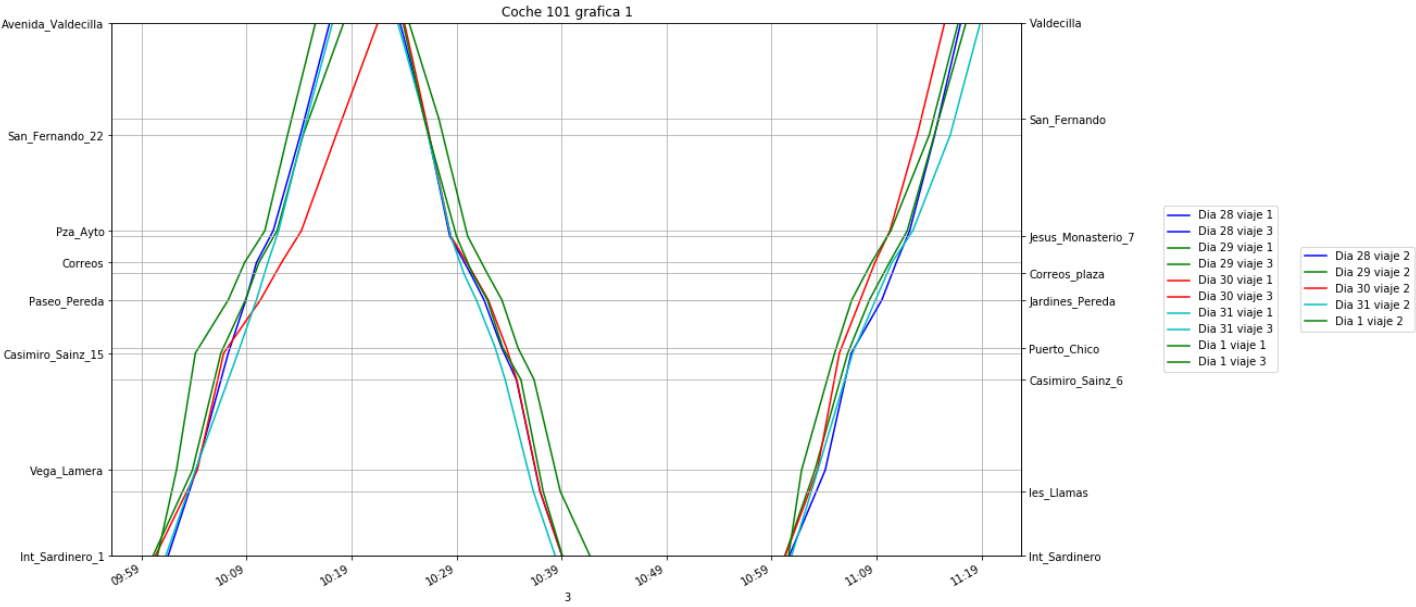
Coche 3 grafica 6

Gráfico evolución:



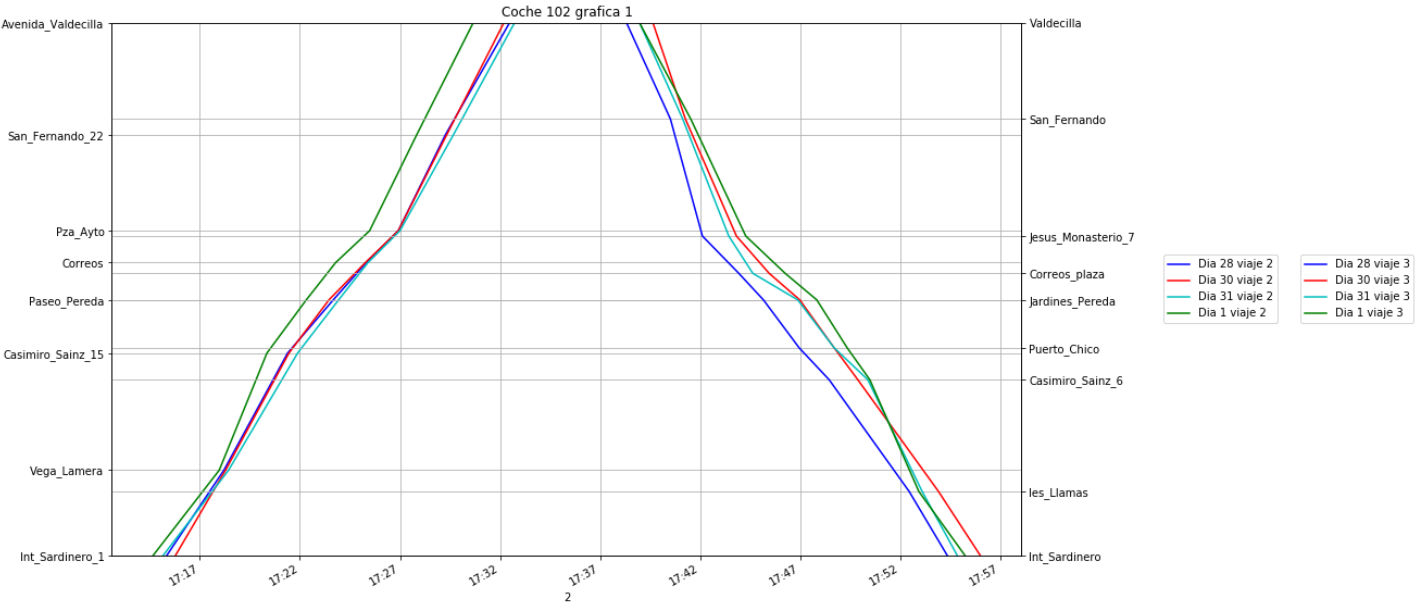
Coche 101 grafica 1

Gráfico evolución:



Coche 102 grafica 1

Gráfico evolución:



Coche 102 grafica 1

Gráfico evolución:

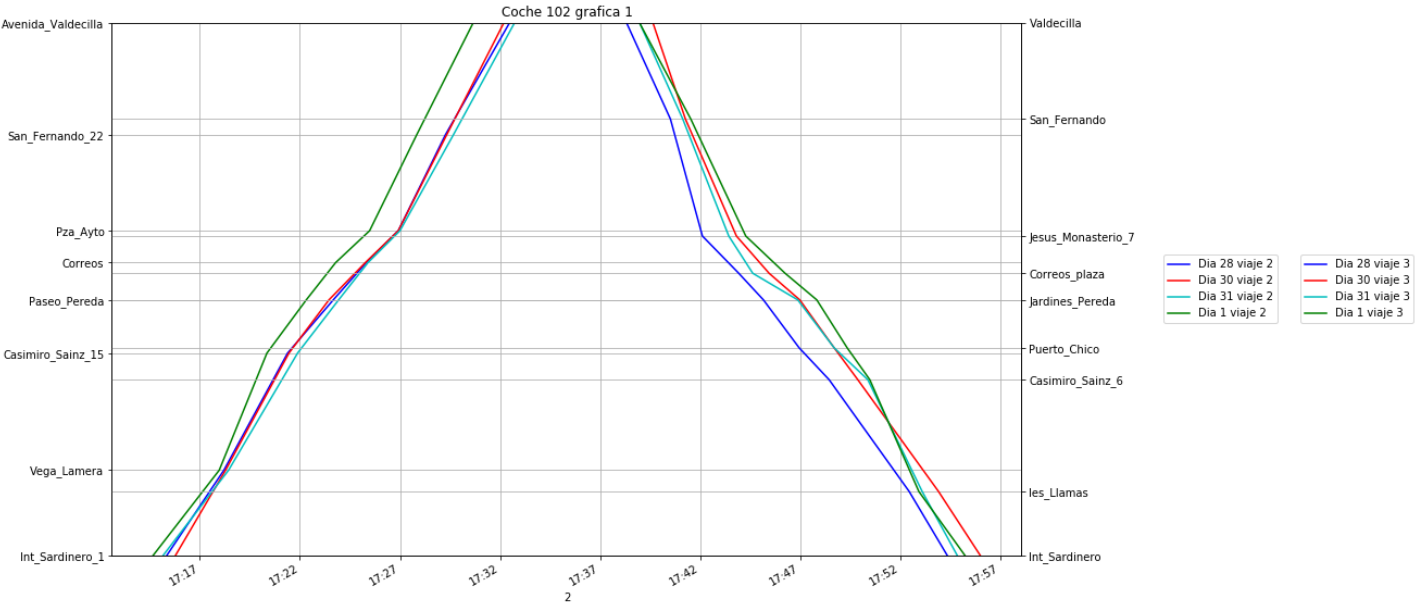


Tabla resumen velocidades y tiempos

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
1	Valdecilla_Sardinerio	2	22.220000	13.962320	5.866683	3.488257
1	Sardinerio_Valdecilla	3	14.686667	20.038447	0.526176	0.708087
1	Valdecilla_Sardinerio	4	15.223333	19.450982	1.431181	1.848533
1	Sardinerio_Valdecilla	5	18.700000	16.178978	3.674260	3.110258
1	Sardinerio_Valdecilla	7	16.686667	17.768469	1.704667	1.835720
1	Valdecilla_Sardinerio	8	15.366667	19.274201	1.396474	1.953700
1	Sardinerio_Valdecilla	9	14.850000	19.907941	1.198263	1.706600
1	Valdecilla_Sardinerio	10	14.963333	19.816046	1.504733	2.090394
1	Sardinerio_Valdecilla	11	15.950000	18.529793	1.280354	1.517218
1	Valdecilla_Sardinerio	12	15.106667	19.598982	1.376519	1.891726
1	Sardinerio_Valdecilla	13	16.516667	17.868456	1.091826	1.290881
1	Valdecilla_Sardinerio	14	15.979167	18.457446	1.031304	1.210010
1	Sardinerio_Valdecilla	15	16.320000	18.407518	2.878932	2.803872
1	Valdecilla_Sardinerio	16	14.680000	20.081548	0.835032	1.194638
1	Sardinerio_Valdecilla	17	15.606667	18.961961	1.393866	1.736363
1	Valdecilla_Sardinerio	18	15.220833	19.500657	1.731750	2.177138
1	Sardinerio_Valdecilla	19	17.941667	16.491182	1.625975	1.543897
1	Valdecilla_Sardinerio	20	15.886667	18.532174	0.660324	0.784811
1	Sardinerio_Valdecilla	21	13.680000	21.548018	0.772927	1.257808
1	Valdecilla_Sardinerio	22	14.204167	20.843498	1.366421	2.020037
1	Sardinerio_Valdecilla	23	14.290000	20.642993	0.947922	1.304957
1	Valdecilla_Sardinerio	24	14.386667	20.494892	0.863809	1.235704
1	Sardinerio_Valdecilla	25	13.830000	21.505170	1.656318	2.598183
1	Valdecilla_Sardinerio	26	16.866667	17.703479	2.396380	2.418389
1	Sardinerio_Valdecilla	27	14.856667	19.854273	0.960801	1.261098
1	Sardinerio_Valdecilla	29	14.143333	20.871456	1.035656	1.440354
1	Valdecilla_Sardinerio	30	13.916667	21.226402	1.097029	1.598082
1	Sardinerio_Valdecilla	31	15.446667	19.092085	0.989767	1.148958
1	Valdecilla_Sardinerio	32	15.346667	19.169781	0.433558	0.554400
1	Sardinerio_Valdecilla	33	15.673333	18.840555	1.154917	1.403368
1	Valdecilla_Sardinerio	34	14.316667	20.547878	0.402308	0.587074
1	Sardinerio_Valdecilla	35	12.800000	22.972627	0.202759	0.367157
1	Valdecilla_Sardinerio	36	14.460000	20.468953	1.262801	1.964074
1	Sardinerio_Valdecilla	37	13.296667	22.205865	0.987660	1.600188
1	Valdecilla_Sardinerio	38	12.716667	23.516765	1.807507	3.504841
2	Sardinerio_Valdecilla	2	13.430000	21.911462	0.456192	0.742526
2	Valdecilla_Sardinerio	3	12.963333	22.894241	1.379533	2.524842
2	Sardinerio_Valdecilla	4	16.610000	17.953483	2.220035	2.375028
2	Valdecilla_Sardinerio	5	14.510000	20.374333	1.196093	1.708022
2	Valdecilla_Sardinerio	7	16.110000	18.395796	1.566339	1.886346
2	Sardinerio_Valdecilla	8	15.480000	19.024031	0.704194	0.873773
2	Valdecilla_Sardinerio	9	14.446667	20.404591	0.828016	1.175705
2	Sardinerio_Valdecilla	10	15.326667	19.206562	0.616959	0.755106
2	Valdecilla_Sardinerio	11	15.091667	19.485825	0.276720	0.354565
2	Sardinerio_Valdecilla	12	15.420000	19.140539	1.095153	1.312150
2	Sardinerio_Valdecilla	14	16.863333	17.748198	2.305651	2.878492
2	Valdecilla_Sardinerio	15	15.813333	18.679765	1.209419	1.439932
2	Sardinerio_Valdecilla	16	17.606667	17.106246	3.087938	2.920721
2	Valdecilla_Sardinerio	17	14.687500	20.271998	1.983327	2.525855
2	Sardinerio_Valdecilla	18	14.110000	20.941412	1.127165	1.646614

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
2	Valdecilla_Sardiner	19	16.206667	18.279039	1.558694	1.801360
2	Sardiner_Valdecilla	20	18.176667	16.276805	1.618195	1.439130
2	Sardiner_Valdecilla	22	13.463333	21.963599	1.152919	1.850509
2	Valdecilla_Sardiner	23	14.895833	19.907008	1.585955	2.128895
2	Sardiner_Valdecilla	24	15.343333	19.323680	1.633954	1.911065
2	Valdecilla_Sardiner	25	14.856667	19.816034	0.620998	0.806052
2	Sardiner_Valdecilla	26	15.360000	19.281371	1.448687	1.870858
2	Valdecilla_Sardiner	27	14.941667	19.800193	1.374537	1.795399
2	Valdecilla_Sardiner	29	19.210000	16.833937	8.013925	4.615930
2	Sardiner_Valdecilla	30	14.896667	19.799257	0.941733	1.252803
2	Valdecilla_Sardiner	31	15.680000	18.880727	1.491429	1.722158
2	Sardiner_Valdecilla	32	15.946667	18.817904	2.574188	2.969197
2	Valdecilla_Sardiner	33	16.575000	17.858834	1.573419	1.703915
2	Sardiner_Valdecilla	34	15.150000	19.920430	3.141169	3.726455
2	Valdecilla_Sardiner	35	13.712500	21.502114	0.826009	1.368732
2	Sardiner_Valdecilla	36	13.866667	21.346009	1.285874	1.944406
2	Valdecilla_Sardiner	37	13.996667	21.182312	1.417911	2.193806
2	Sardiner_Valdecilla	38	12.913333	23.301583	2.136729	4.044511
2	Valdecilla_Sardiner	39	13.663333	21.879060	2.018917	3.091766
3	Valdecilla_Sardiner	2	27.153333	12.998698	12.000228	6.371924
3	Sardiner_Valdecilla	3	14.286667	20.659955	0.983432	1.479991
3	Valdecilla_Sardiner	4	14.716667	20.027899	0.829575	1.121430
3	Sardiner_Valdecilla	5	18.180000	16.279104	1.630755	1.498649
3	Valdecilla_Sardiner	6	15.216667	19.374260	0.920447	1.175962
3	Sardiner_Valdecilla	7	17.773333	16.615355	1.329923	1.233502
3	Valdecilla_Sardiner	8	14.673333	20.168085	1.324429	1.826539
3	Sardiner_Valdecilla	9	14.929167	19.774942	1.083835	1.506626
3	Valdecilla_Sardiner	10	14.370000	20.586236	1.238918	1.846209
3	Sardiner_Valdecilla	11	15.512500	19.156075	1.903670	2.219352
3	Valdecilla_Sardiner	12	14.462500	20.368705	0.751095	1.034604
3	Valdecilla_Sardiner	14	15.193333	19.429177	1.114214	1.341020
3	Sardiner_Valdecilla	15	16.753333	17.606402	1.087007	1.111294
3	Valdecilla_Sardiner	16	16.180000	18.293084	1.505425	1.650047
3	Sardiner_Valdecilla	17	18.040000	16.849030	3.695504	3.399585
3	Valdecilla_Sardiner	18	15.343333	19.192694	0.686841	0.873383
3	Sardiner_Valdecilla	19	15.529167	19.032386	1.271509	1.634878
3	Valdecilla_Sardiner	20	16.695833	17.686852	1.264865	1.368126
3	Valdecilla_Sardiner	22	14.613333	20.148228	0.625211	0.865639
3	Sardiner_Valdecilla	23	13.666667	21.602639	0.962058	1.607851
3	Valdecilla_Sardiner	24	14.630000	20.286291	1.606212	2.176074
3	Sardiner_Valdecilla	25	14.196667	20.818420	1.209591	1.604894
3	Valdecilla_Sardiner	26	14.596667	20.292829	1.432141	1.934236
3	Sardiner_Valdecilla	27	14.556667	20.385505	1.525369	2.251474
3	Valdecilla_Sardiner	28	15.287500	19.293542	1.000683	1.266209
3	Sardiner_Valdecilla	29	15.353333	19.162640	0.456192	0.576618
3	Valdecilla_Sardiner	30	14.553333	20.462243	1.858815	2.563305
3	Sardiner_Valdecilla	31	15.029167	19.774957	1.795435	2.383999
3	Valdecilla_Sardiner	32	14.843333	19.913947	1.184776	1.680138
3	Sardiner_Valdecilla	33	16.016667	18.543610	1.893923	1.990035
3	Valdecilla_Sardiner	34	13.766667	21.370814	0.406202	0.630511
3	Sardiner_Valdecilla	35	15.150000	19.604352	1.776310	2.119918
3	Sardiner_Valdecilla	37	13.466667	21.878274	0.717377	1.166206
3	Valdecilla_Sardiner	38	13.426667	21.991692	0.987604	1.615027
3	Sardiner_Valdecilla	39	12.320000	24.208237	1.587206	3.358866
101	Sardiner_Valdecilla	1	17.106667	17.470340	2.564572	2.376987
101	Valdecilla_Sardiner	2	15.553333	18.953942	0.936853	1.063656
101	Sardiner_Valdecilla	3	16.556667	17.817175	1.073455	1.158071
102	Sardiner_Valdecilla	2	16.762500	17.562342	0.703348	0.737175
102	Valdecilla_Sardiner	3	15.980000	18.405904	0.367877	0.429381
102	Sardiner_Valdecilla	4	17.030000	17.346252	1.290693	1.364881