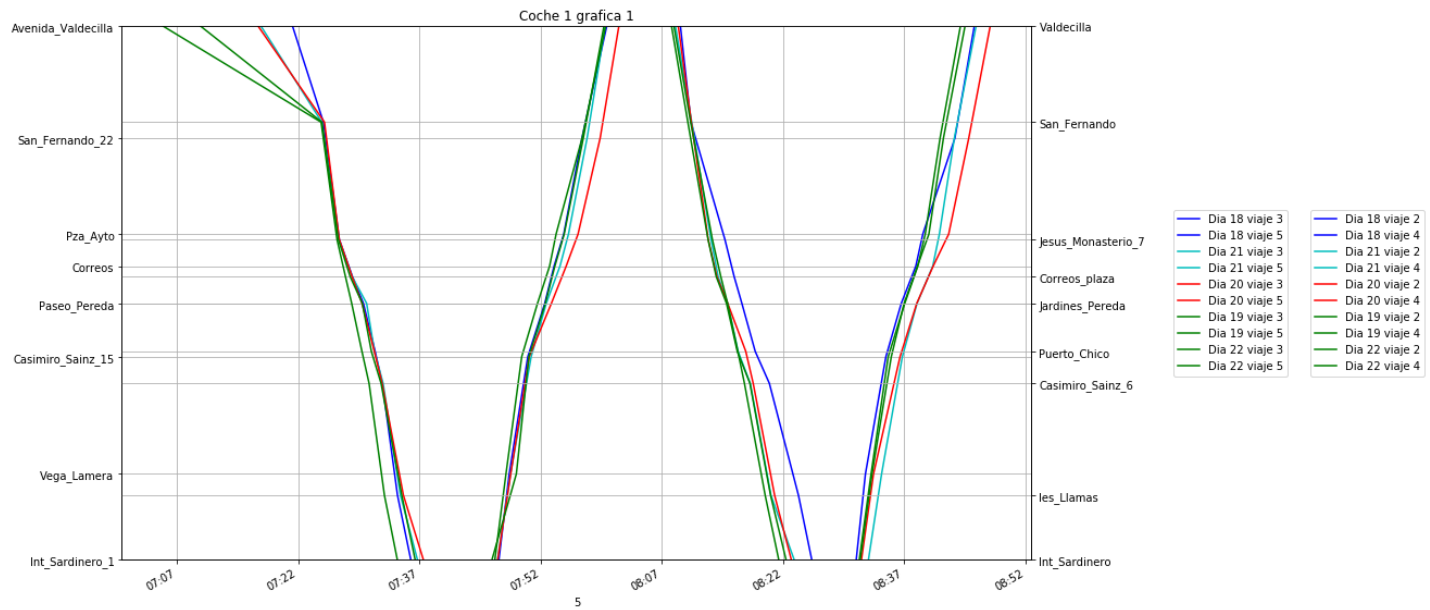


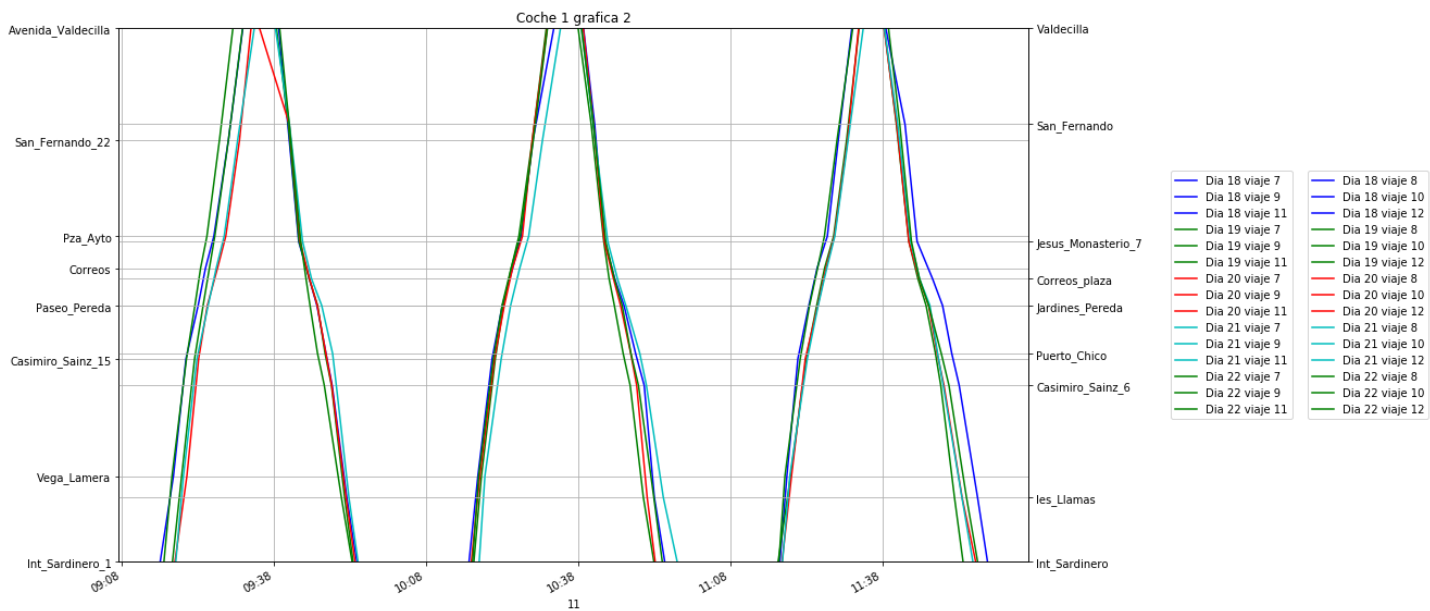
Coche 1 grafica 1

Gráfico evolución:



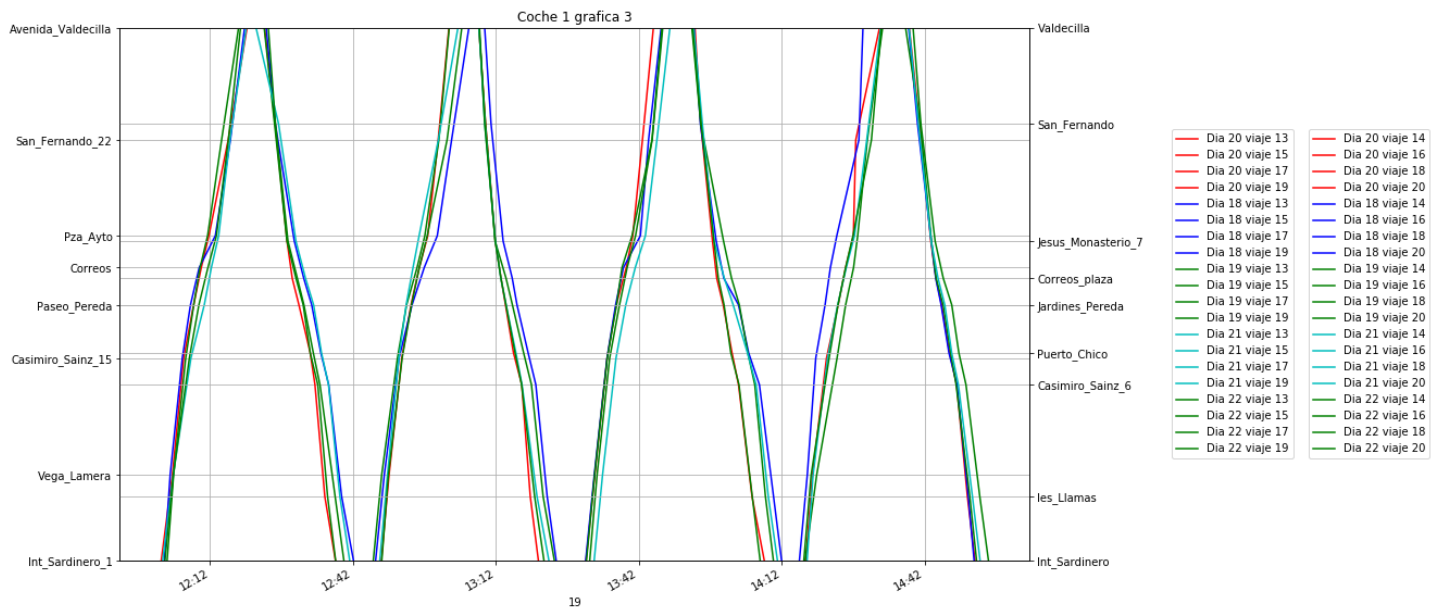
Coche 1 grafica 2

Gráfico evolución:



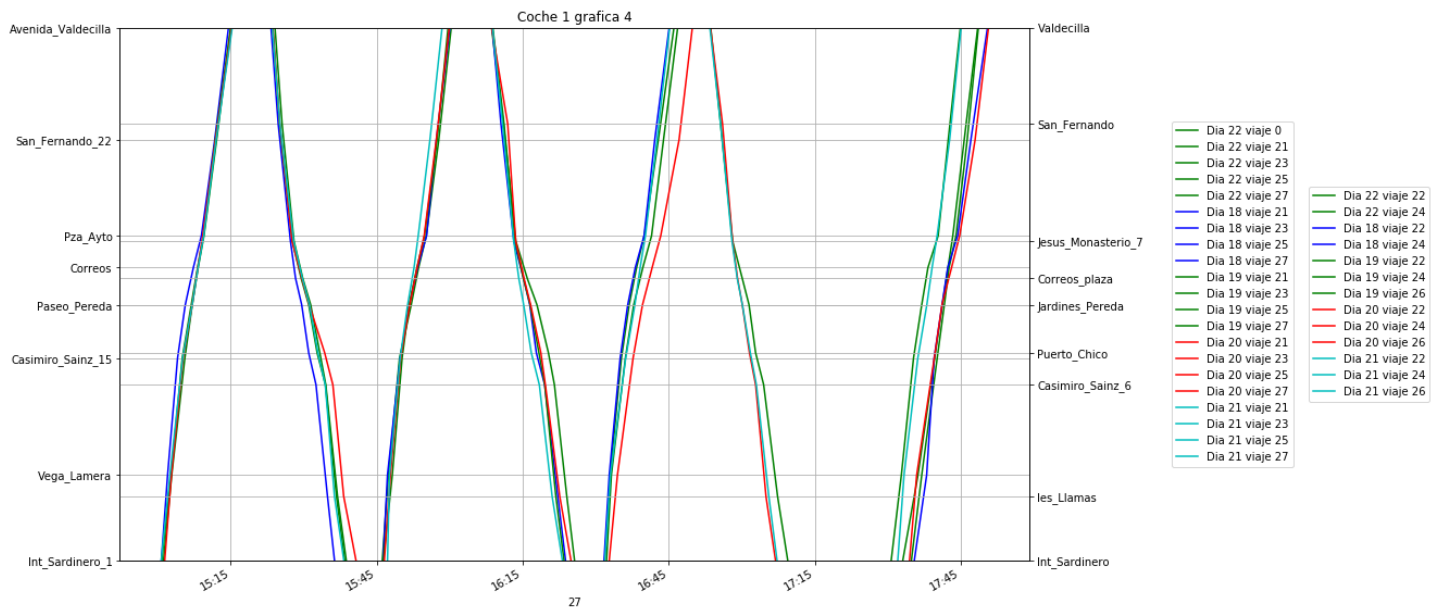
Coche 1 grafica 3

Gráfico evolución:



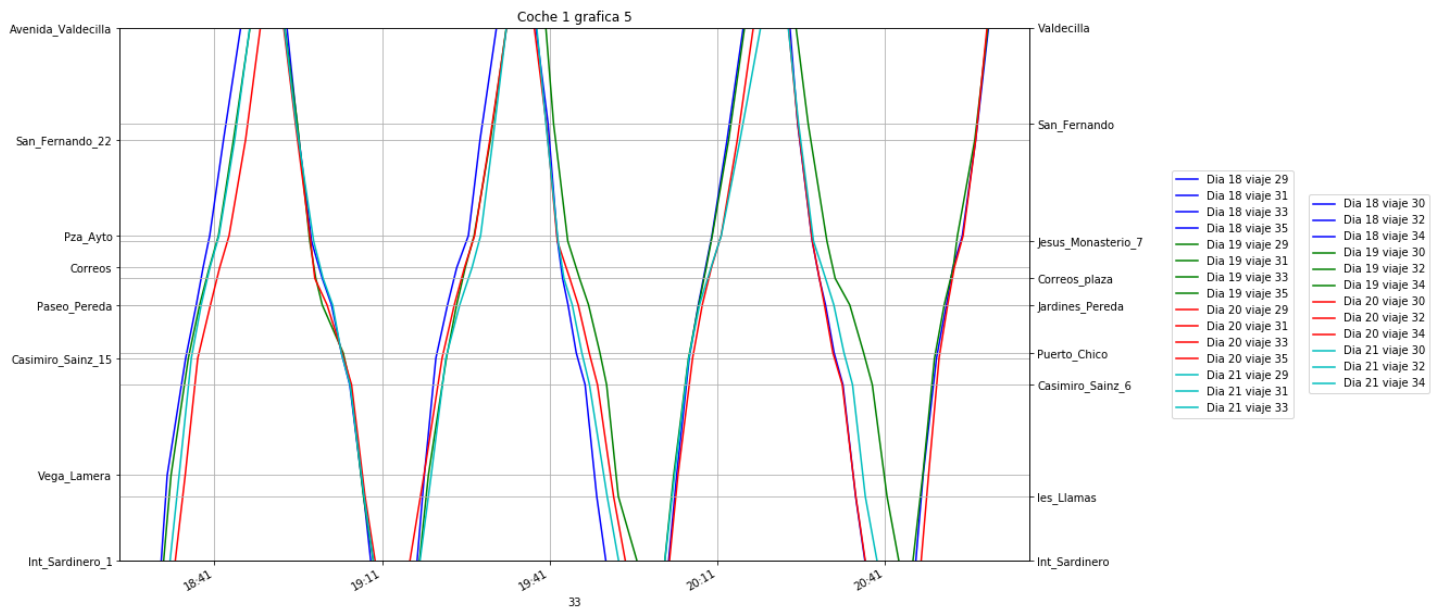
Coche 1 grafica 4

Gráfico evolución:



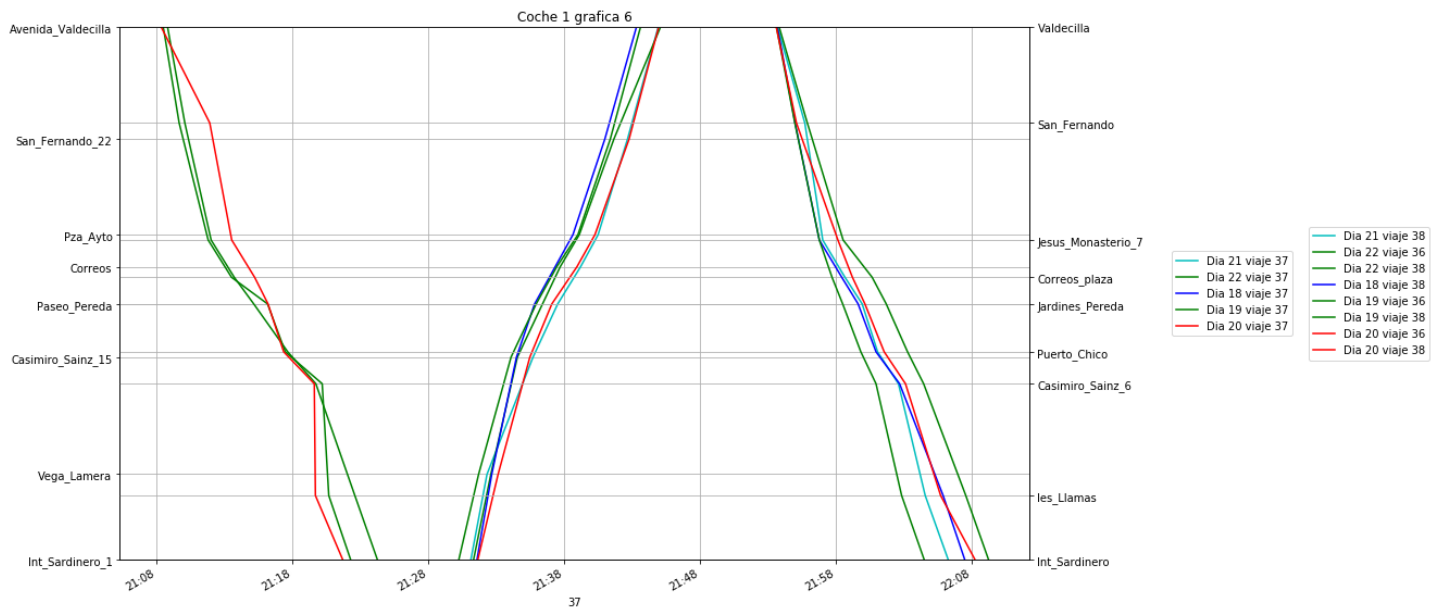
Coche 1 grafica 5

Gráfico evolución:



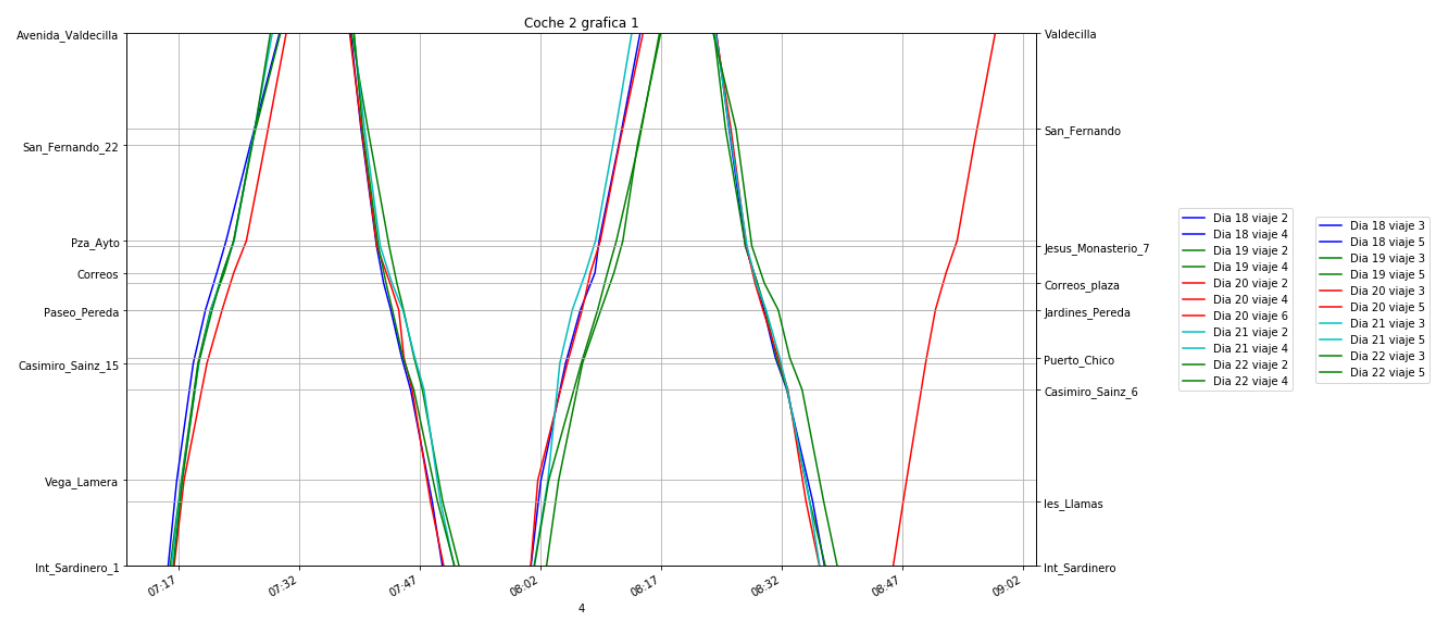
Coche 1 grafica 6

Gráfico evolución:



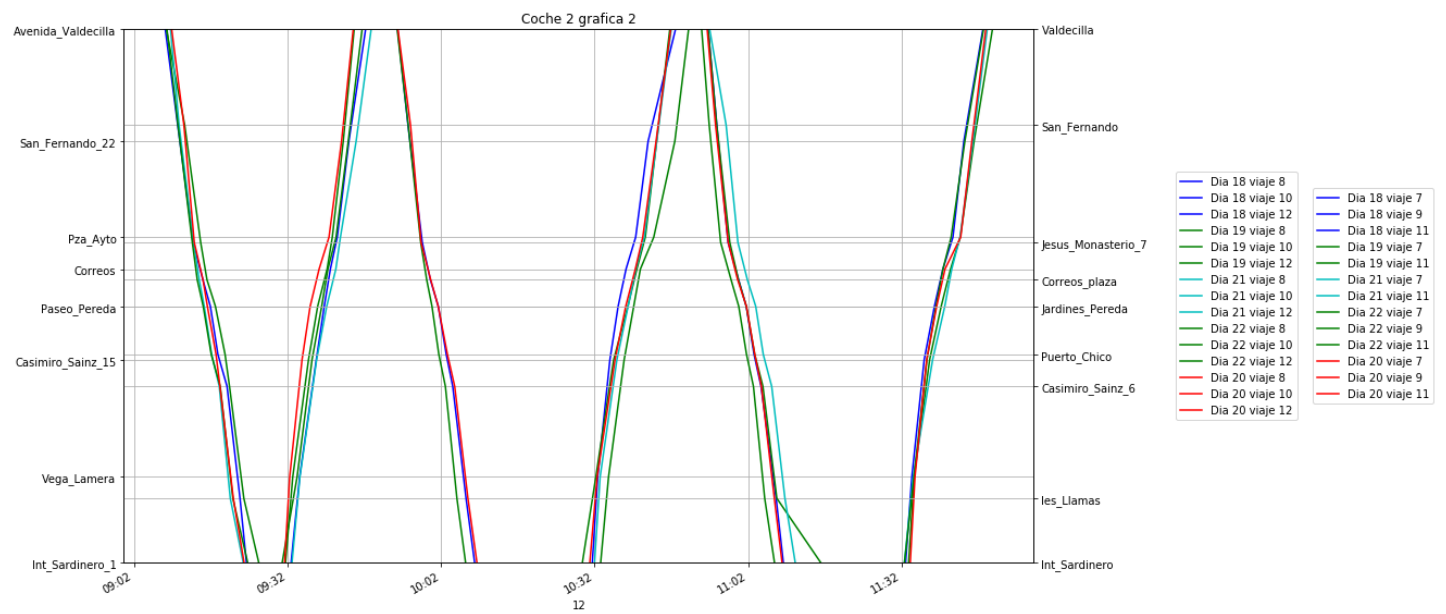
Coche 2 grafica 1

Gráfico evolución:



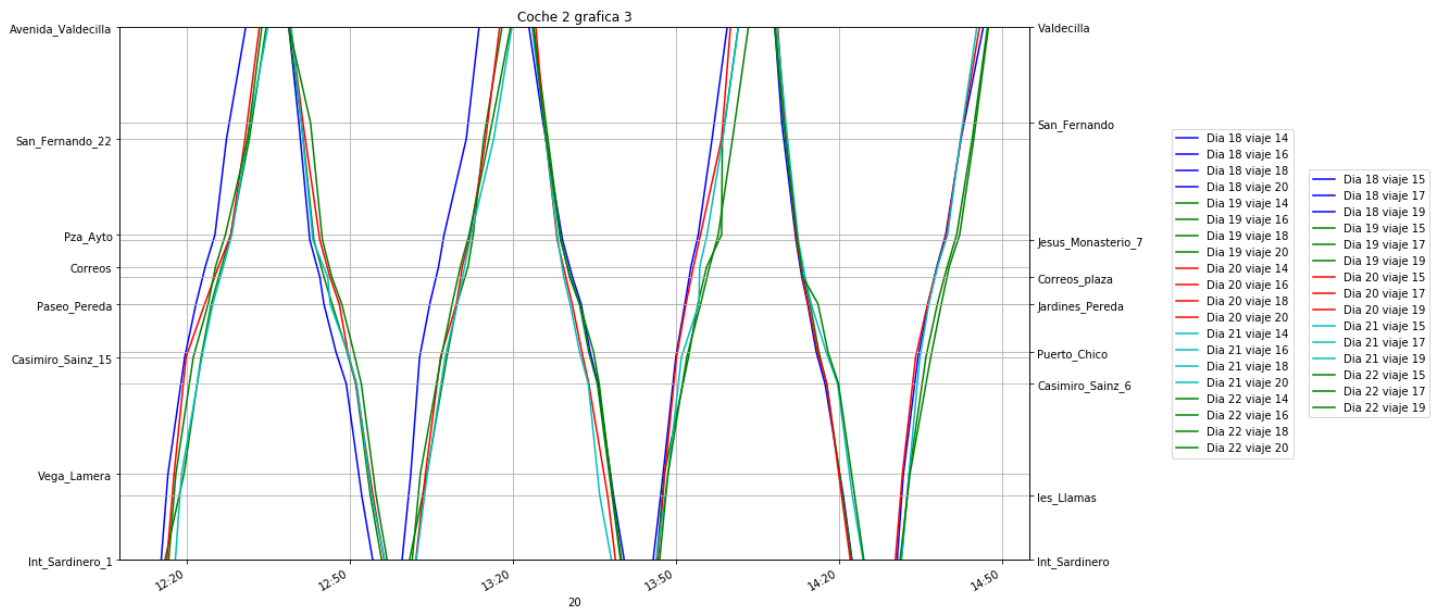
Coche 2 grafica 2

Gráfico evolución:



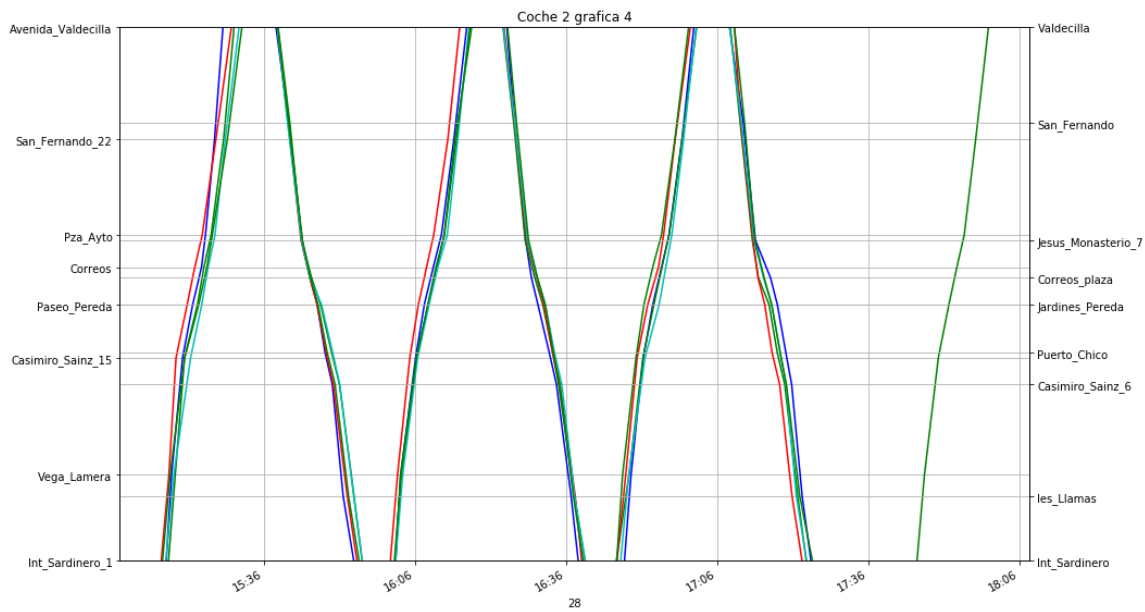
Coche 2 grafica 3

Gráfico evolución:



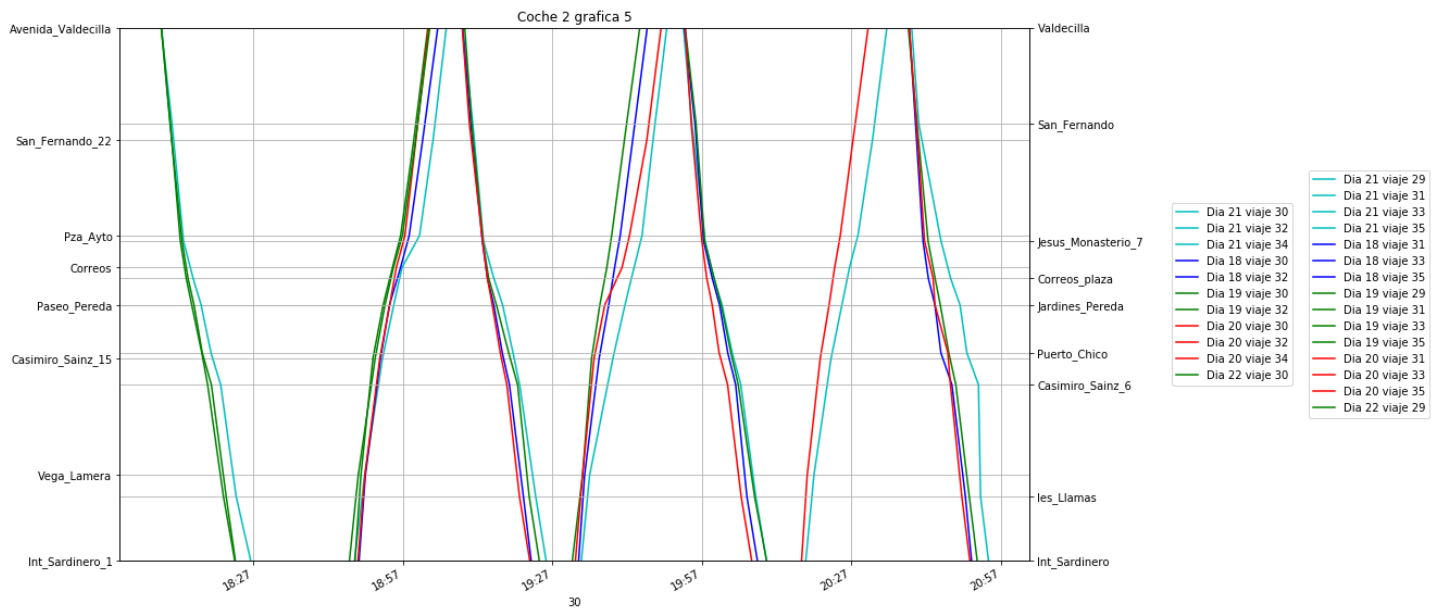
Coche 2 grafica 4

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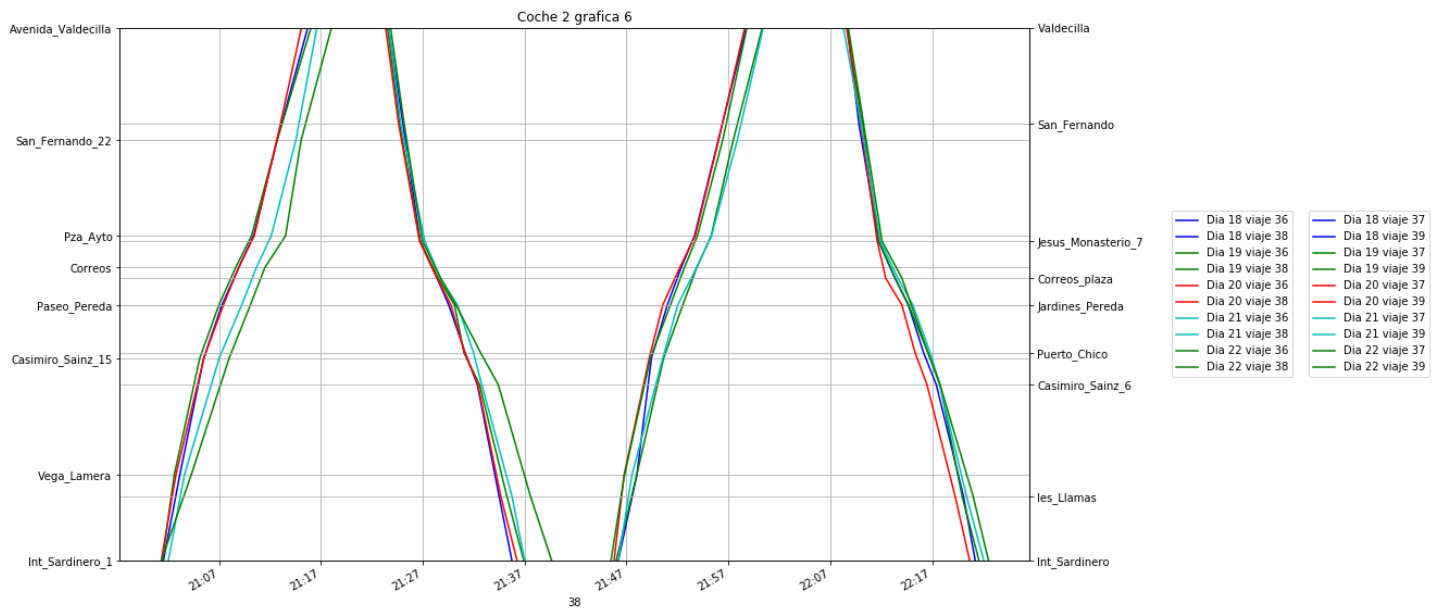
Coche 2 grafica 5

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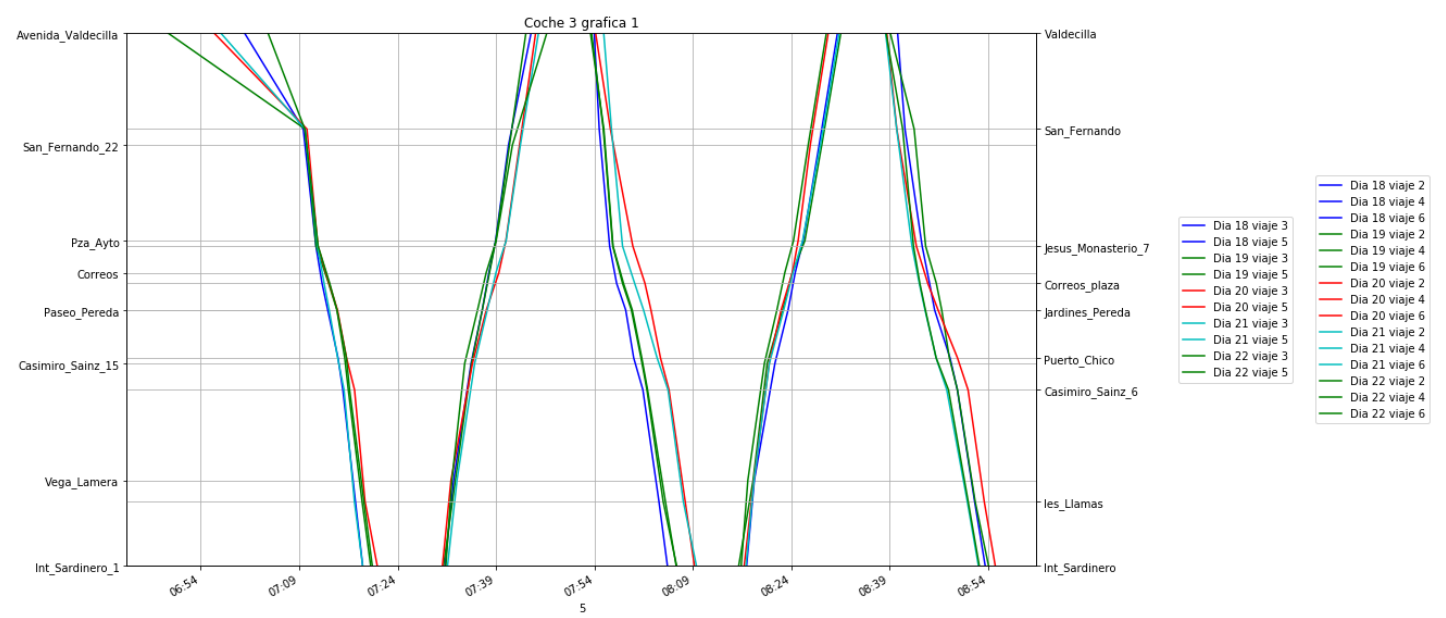
Coche 2 grafica 6

Gráfico evolución:



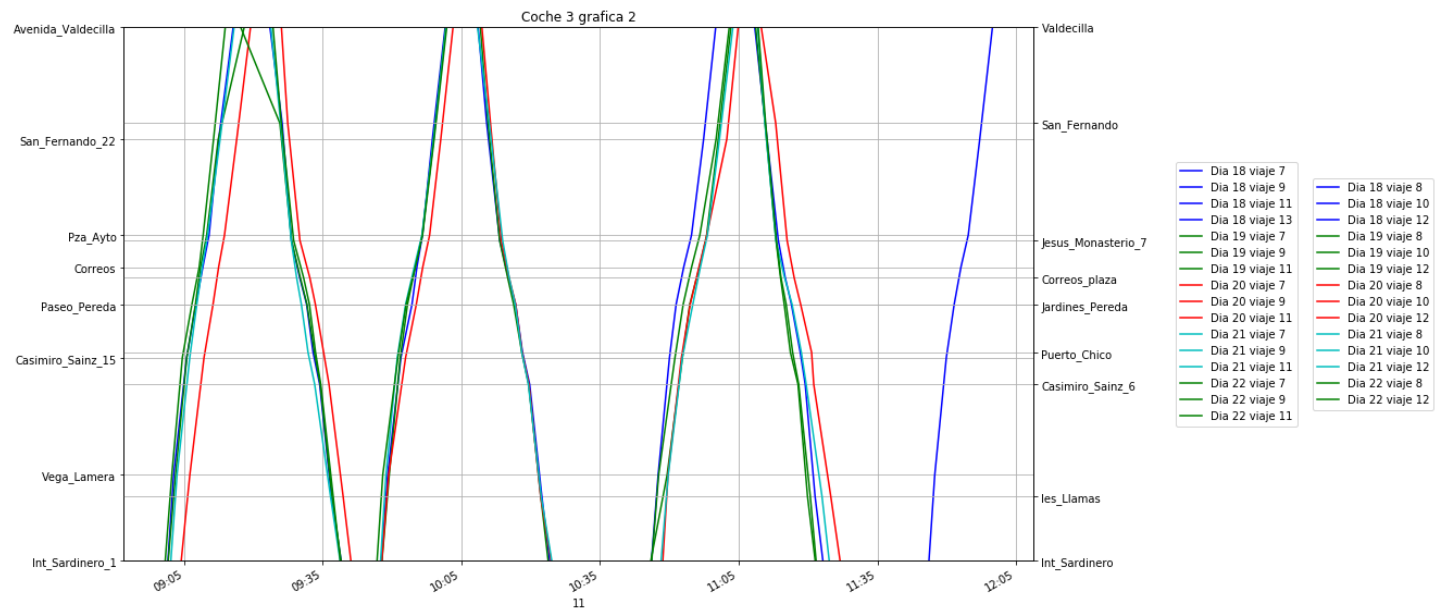
Coche 3 grafica 1

Gráfico evolución:



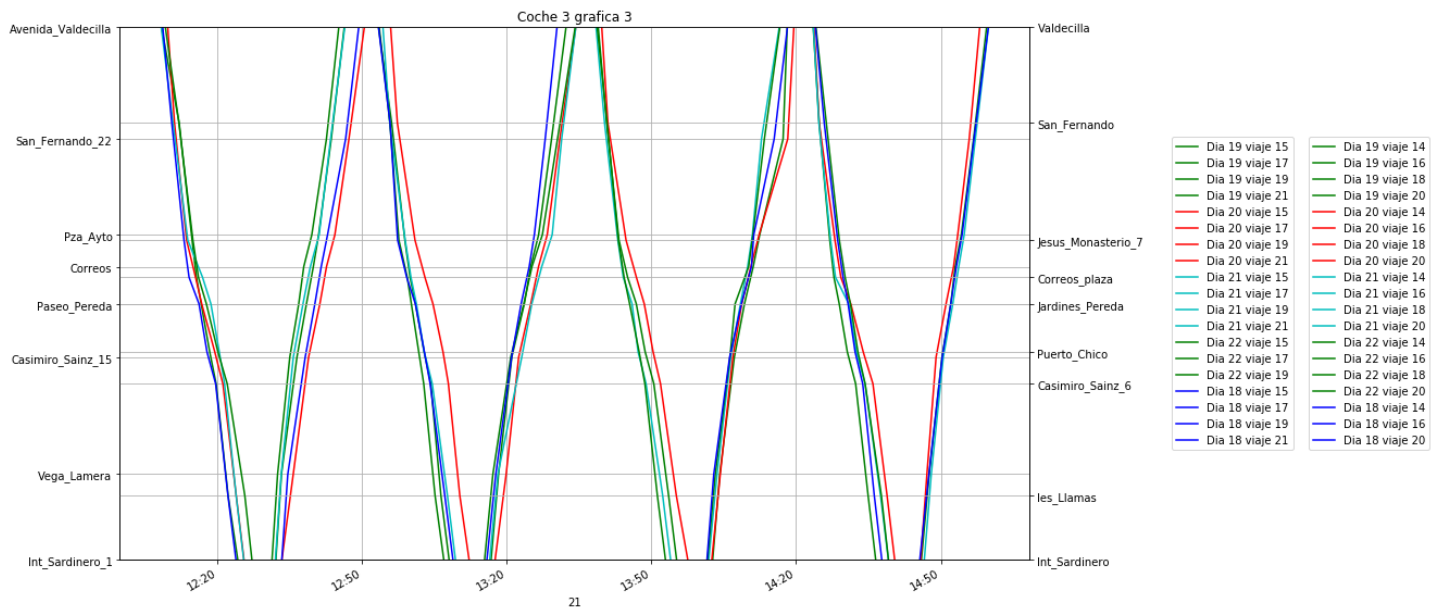
Coche 3 grafica 2

Gráfico evolución:



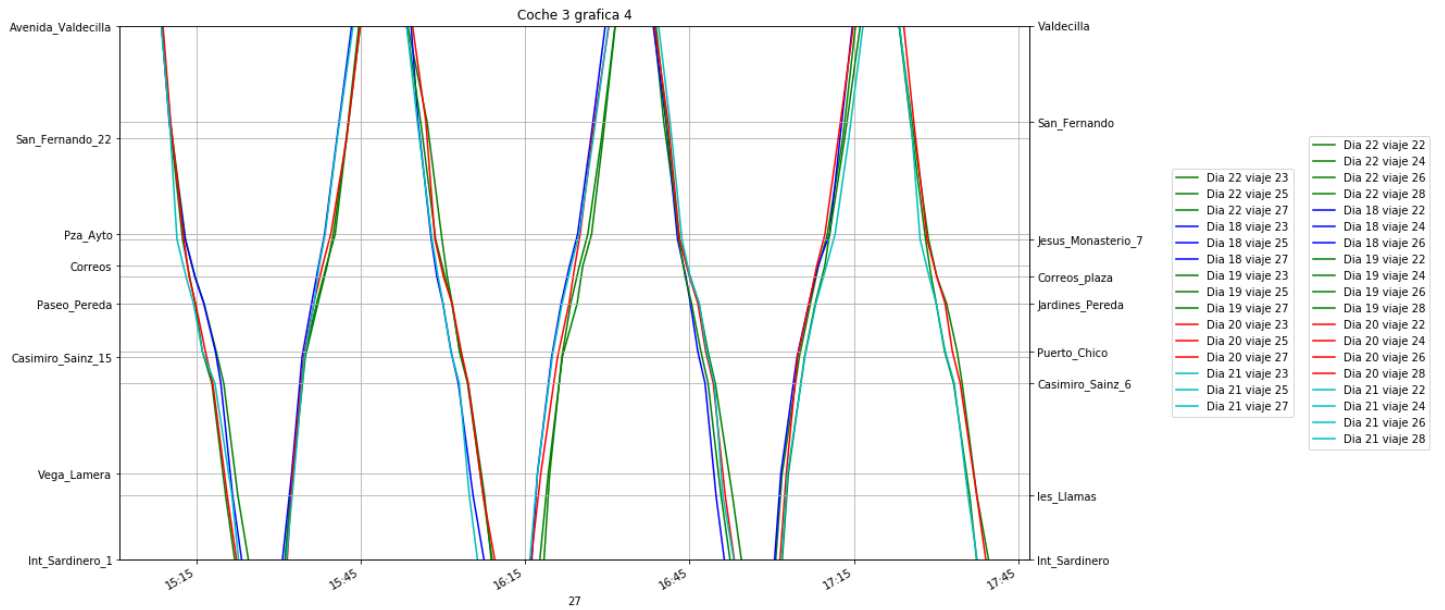
Coche 3 grafica 3

Gráfico evolución:



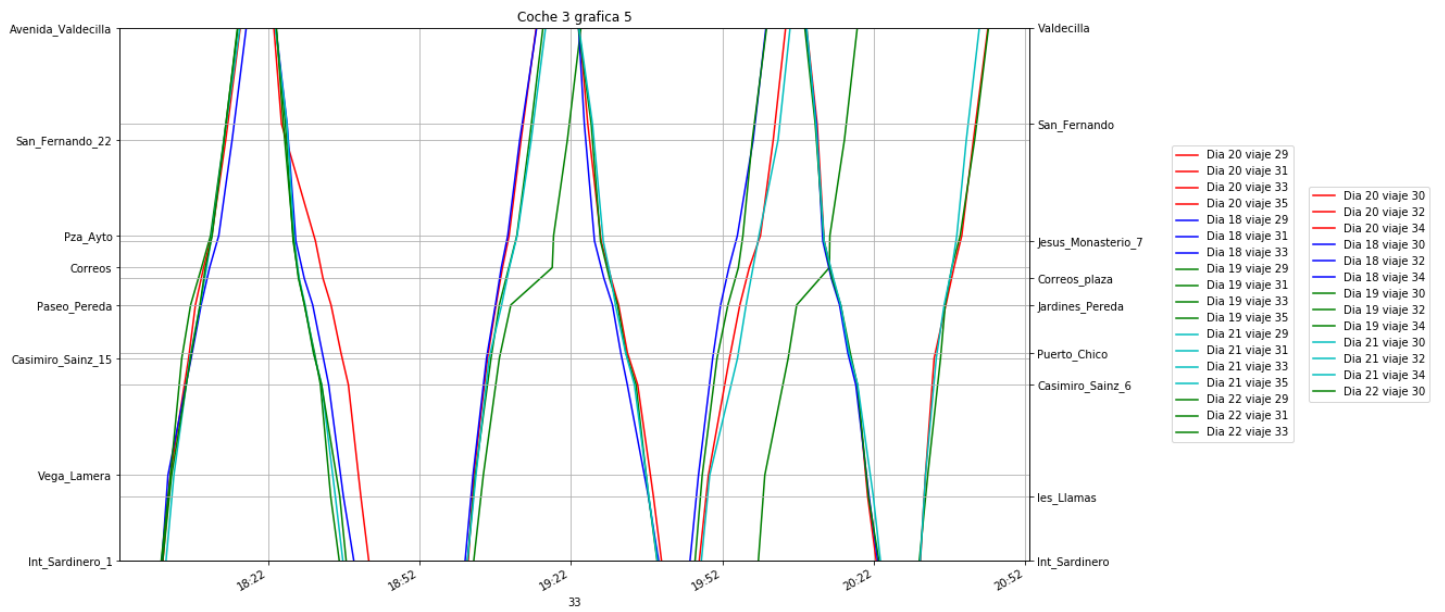
Coche 3 grafica 4

Gráfico evolución:



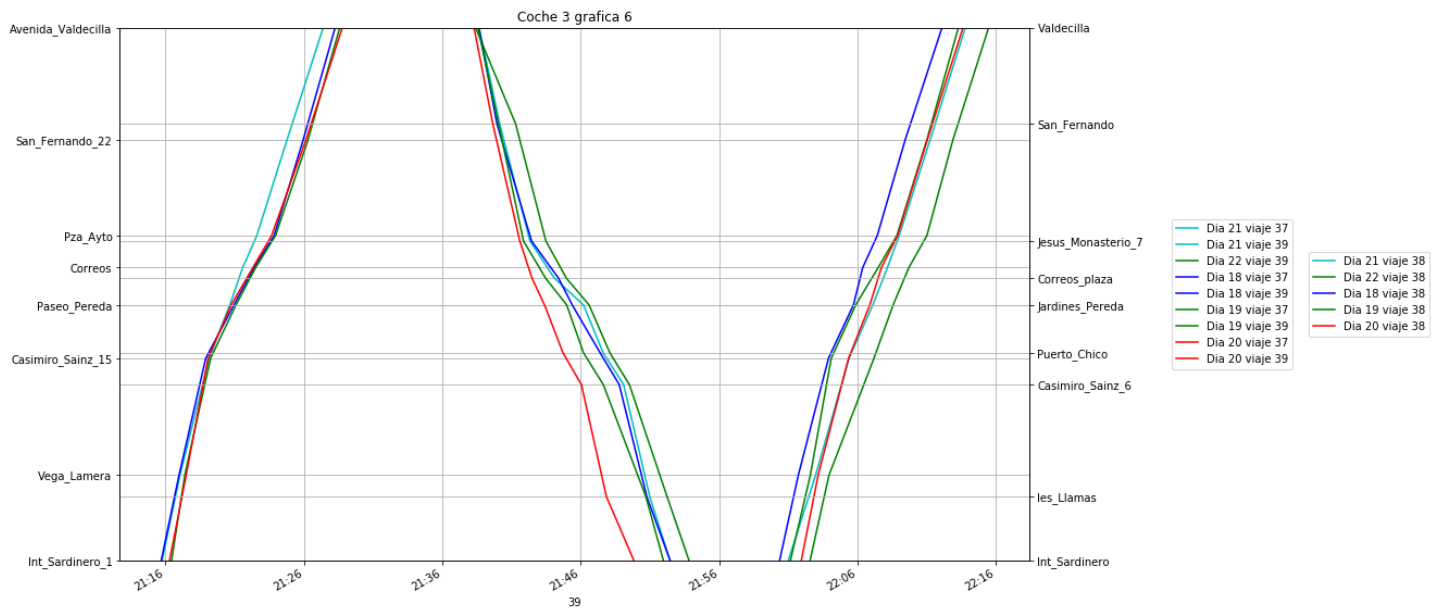
Coche 3 grafica 5

Gráfico evolución:



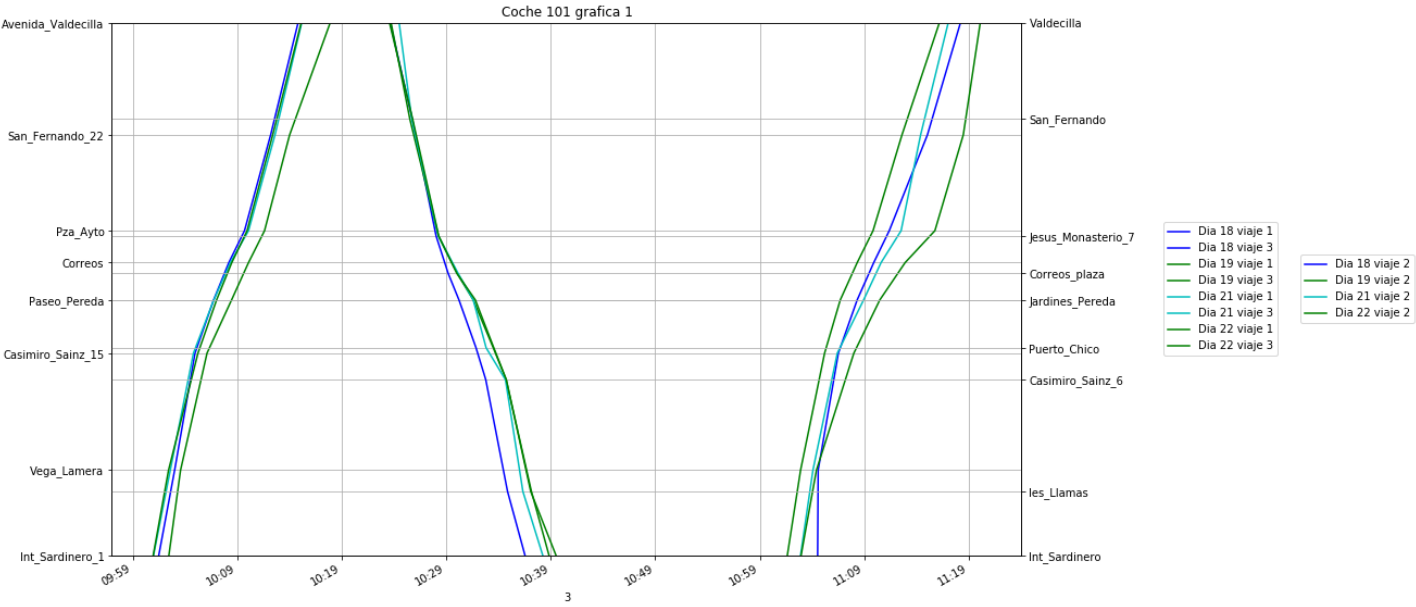
Coche 3 grafica 6

Gráfico evolución:



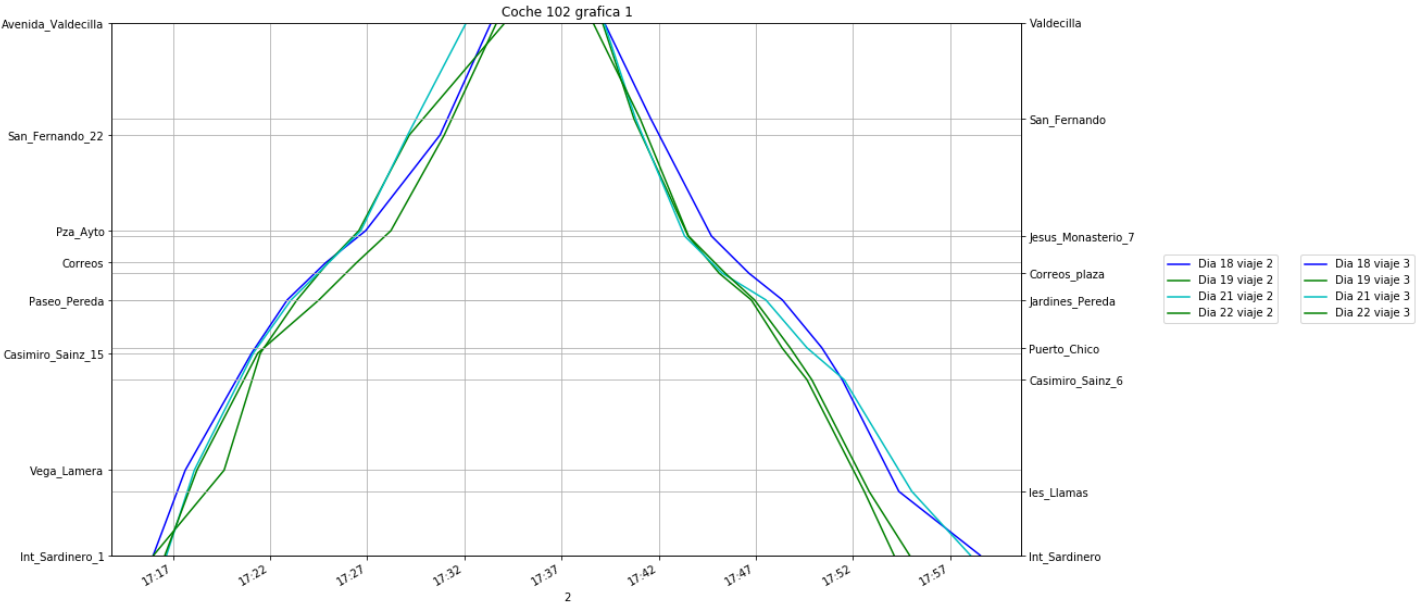
Coche 101 grafica 1

Gráfico evolución:



Coche 102 grafica 1

Gráfico evolución:



Coche 102 grafica 1

Gráfico evolución:

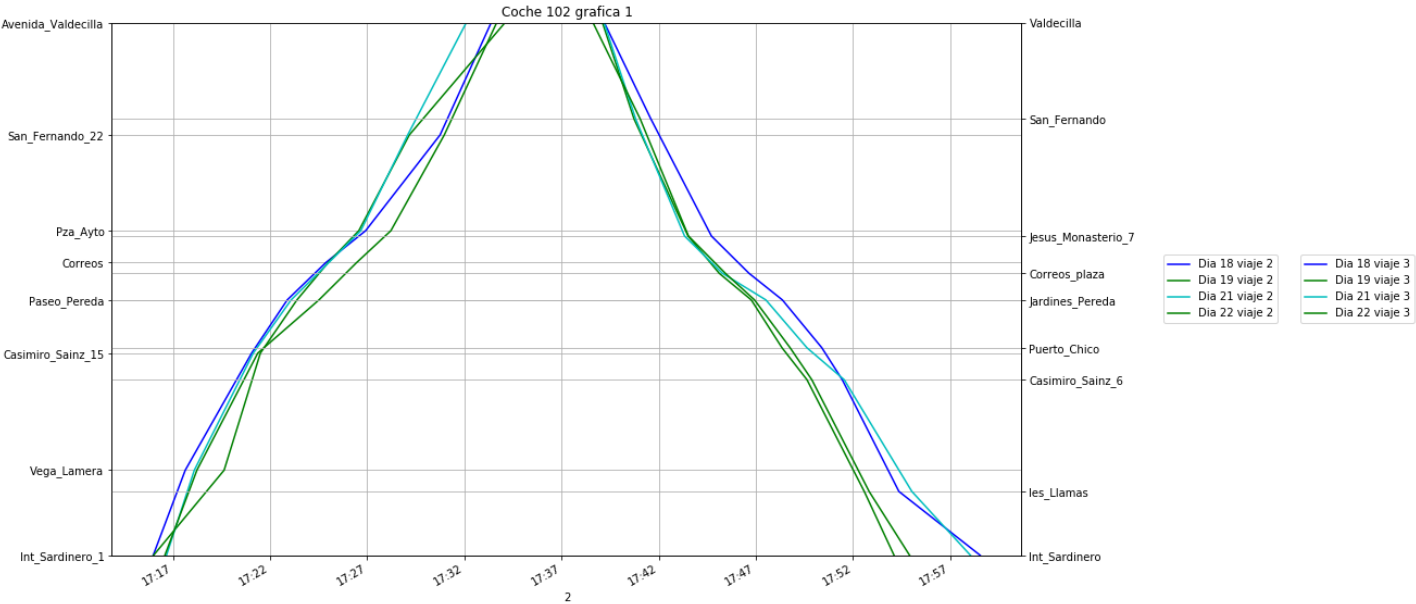


Tabla resumen velocidades y tiempos

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
1	Sardiner_ Valdecilla	0	15.383333	19.111593	NaN	NaN
1	Valdecilla_ Sardiner	2	21.966667	14.192746	5.762571	3.939423
1	Sardiner_ Valdecilla	3	13.830000	21.297986	0.684592	1.006856
1	Valdecilla_ Sardiner	4	14.393333	20.537309	1.202578	1.668757
1	Sardiner_ Valdecilla	5	13.853333	21.387231	1.393606	2.053111
1	Sardiner_ Valdecilla	7	14.823333	19.925403	1.126240	1.512171
1	Valdecilla_ Sardiner	8	15.966667	18.578100	1.748809	1.886471
1	Sardiner_ Valdecilla	9	15.336667	19.233180	0.994946	1.223272
1	Valdecilla_ Sardiner	10	15.970000	18.581092	1.779021	1.933305
1	Sardiner_ Valdecilla	11	15.130000	19.475241	0.799948	1.032404
1	Valdecilla_ Sardiner	12	17.713333	16.709551	1.620159	1.536229
1	Sardiner_ Valdecilla	13	16.640000	17.747488	1.230210	1.341084
1	Valdecilla_ Sardiner	14	16.726667	17.797318	2.132571	2.166506
1	Sardiner_ Valdecilla	15	16.570000	17.933687	1.946914	2.043924
1	Valdecilla_ Sardiner	16	14.293333	20.712373	1.310142	1.959499
1	Sardiner_ Valdecilla	17	15.396667	19.133607	0.752164	0.987072
1	Valdecilla_ Sardiner	18	16.343333	18.186936	1.879923	2.153686
1	Sardiner_ Valdecilla	19	15.346667	19.258582	1.194513	1.629304
1	Valdecilla_ Sardiner	20	14.616667	20.171057	0.872974	1.194722
1	Sardiner_ Valdecilla	21	14.016667	20.985078	0.346210	0.508576
1	Valdecilla_ Sardiner	22	14.843333	19.955961	1.459671	1.905149
1	Sardiner_ Valdecilla	23	13.136667	22.528500	1.135806	2.148608
1	Valdecilla_ Sardiner	24	15.460000	19.098916	1.148344	1.382733
1	Sardiner_ Valdecilla	25	14.510000	20.428077	1.530686	1.974012
1	Valdecilla_ Sardiner	26	14.316667	20.646856	1.316983	1.816328
1	Sardiner_ Valdecilla	27	14.436667	20.481834	1.234538	1.714747
1	Sardiner_ Valdecilla	29	14.766667	19.937936	0.642334	0.865344
1	Valdecilla_ Sardiner	30	15.750000	18.685525	0.572357	0.692166
1	Sardiner_ Valdecilla	31	15.608333	18.927937	1.266411	1.512825
1	Valdecilla_ Sardiner	32	14.912500	19.945392	1.786543	2.569837
1	Sardiner_ Valdecilla	33	14.916667	19.874091	1.604450	2.046164
1	Valdecilla_ Sardiner	34	15.333333	19.484518	2.302294	2.767006
1	Sardiner_ Valdecilla	35	12.711111	23.199291	0.842010	1.583767
1	Valdecilla_ Sardiner	36	14.172222	20.825401	1.099284	1.559101
1	Sardiner_ Valdecilla	37	13.170000	22.402326	0.841246	1.544162
1	Valdecilla_ Sardiner	38	13.426667	22.231746	1.785925	3.164699
2	Sardiner_ Valdecilla	2	13.210000	22.332140	0.850457	1.481398
2	Valdecilla_ Sardiner	3	12.266667	24.041412	0.764580	1.486244
2	Sardiner_ Valdecilla	4	13.873333	21.326479	1.222622	1.919073
2	Valdecilla_ Sardiner	5	13.680000	21.585159	1.041327	1.544485
2	Sardiner_ Valdecilla	6	12.666667	23.210526	NaN	NaN
2	Valdecilla_ Sardiner	7	15.590000	19.009829	1.594025	1.858888
2	Sardiner_ Valdecilla	8	14.480000	20.392413	1.064542	1.506324
2	Valdecilla_ Sardiner	9	14.600000	20.216428	1.099369	1.582865
2	Sardiner_ Valdecilla	10	16.253333	18.134896	0.910235	1.034246
2	Valdecilla_ Sardiner	11	16.430000	18.367660	3.234179	3.022002
2	Sardiner_ Valdecilla	12	15.563333	18.920754	0.696160	0.844197
2	Sardiner_ Valdecilla	14	17.046667	17.302942	1.085152	1.105602
2	Valdecilla_ Sardiner	15	16.973333	17.367119	0.953109	1.021470
2	Sardiner_ Valdecilla	16	16.433333	18.037738	1.622969	1.867540

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
2	Valdecilla_Sardinero	17	15.776667	18.723675	1.223701	1.429400
2	Sardinero_Valdecilla	18	14.656667	20.170885	1.224439	1.675105
2	Valdecilla_Sardinero	19	14.753333	20.038651	1.235550	1.658077
2	Sardinero_Valdecilla	20	15.450000	19.086976	0.920748	1.214230
2	Sardinero_Valdecilla	22	13.693333	21.747898	1.687684	2.832149
2	Valdecilla_Sardinero	23	16.173333	18.197466	0.589798	0.664983
2	Sardinero_Valdecilla	24	14.516667	20.277832	0.569600	0.804616
2	Valdecilla_Sardinero	25	15.420000	19.117873	0.887991	1.123756
2	Sardinero_Valdecilla	26	14.696667	20.053026	0.817551	1.090835
2	Valdecilla_Sardinero	27	15.070000	19.583592	1.011146	1.392587
2	Sardinero_Valdecilla	28	14.183333	20.728555	NaN	NaN
2	Valdecilla_Sardinero	29	15.833333	18.725603	1.834621	2.034874
2	Sardinero_Valdecilla	30	15.816667	18.742606	1.651725	1.857002
2	Valdecilla_Sardinero	31	14.733333	20.092000	1.440357	1.874593
2	Sardinero_Valdecilla	32	15.395833	19.350470	2.037490	2.563217
2	Valdecilla_Sardinero	33	15.237500	19.449876	1.548977	2.040968
2	Sardinero_Valdecilla	34	14.800000	20.057390	2.050610	2.779046
2	Valdecilla_Sardinero	35	13.454167	22.046265	1.488746	2.345747
2	Sardinero_Valdecilla	36	14.743333	20.029543	1.136307	1.434355
2	Valdecilla_Sardinero	37	13.496667	21.952897	1.381595	2.079796
2	Sardinero_Valdecilla	38	13.446667	21.926127	0.800555	1.301758
2	Valdecilla_Sardinero	39	13.016667	22.646672	0.748146	1.311045
3	Valdecilla_Sardinero	2	22.230000	13.967692	5.911704	3.558526
3	Sardinero_Valdecilla	3	13.816667	21.382460	1.086342	1.653961
3	Valdecilla_Sardinero	4	13.263333	22.392096	1.460327	2.575636
3	Sardinero_Valdecilla	5	13.870000	21.301252	1.106069	1.639822
3	Valdecilla_Sardinero	6	14.630000	20.199993	1.202682	1.589620
3	Sardinero_Valdecilla	7	14.440000	20.493825	1.329244	1.820575
3	Valdecilla_Sardinero	8	16.326667	18.415533	3.027549	2.754158
3	Sardinero_Valdecilla	9	14.436667	20.408633	0.753916	1.049179
3	Valdecilla_Sardinero	10	15.279167	19.264699	0.610157	0.761907
3	Sardinero_Valdecilla	11	15.956667	18.534661	1.333781	1.644742
3	Valdecilla_Sardinero	12	14.523333	20.513140	1.874707	2.622920
3	Sardinero_Valdecilla	13	13.733333	21.407767	NaN	NaN
3	Valdecilla_Sardinero	14	16.366667	18.030402	1.130081	1.215207
3	Sardinero_Valdecilla	15	15.093333	19.604380	1.381907	1.716449
3	Valdecilla_Sardinero	16	14.950000	19.747745	1.064059	1.446704
3	Sardinero_Valdecilla	17	16.683333	17.773279	1.711521	1.843515
3	Valdecilla_Sardinero	18	15.920833	18.596200	1.540946	1.793686
3	Sardinero_Valdecilla	19	15.753333	18.728542	1.050291	1.234849
3	Valdecilla_Sardinero	20	14.803333	20.023507	1.489938	2.031586
3	Sardinero_Valdecilla	21	13.316667	22.142210	0.821358	1.398405
3	Valdecilla_Sardinero	22	14.230000	20.738541	0.993688	1.397349
3	Sardinero_Valdecilla	23	13.036667	22.595659	0.637421	1.122503
3	Valdecilla_Sardinero	24	14.396667	20.541353	1.211599	1.782398
3	Sardinero_Valdecilla	25	13.710000	21.473308	0.561570	0.888602
3	Valdecilla_Sardinero	26	14.123333	20.923745	1.157740	1.636670
3	Sardinero_Valdecilla	27	14.230000	20.685986	0.550934	0.820846
3	Valdecilla_Sardinero	28	14.875000	19.831149	1.014752	1.299465
3	Sardinero_Valdecilla	29	15.306667	19.249385	0.819773	0.982509
3	Valdecilla_Sardinero	30	14.770000	20.312741	2.479538	3.054073
3	Sardinero_Valdecilla	31	15.833333	19.049558	3.096436	3.093812
3	Valdecilla_Sardinero	32	15.779167	18.638910	0.348642	0.407209
3	Sardinero_Valdecilla	33	16.673333	17.868616	2.145913	2.299315
3	Valdecilla_Sardinero	34	14.300000	20.572485	0.413432	0.601679
3	Sardinero_Valdecilla	35	12.905556	22.890839	1.071517	1.986850
3	Sardinero_Valdecilla	37	12.191667	24.137104	0.423500	0.855037
3	Valdecilla_Sardinero	38	13.580000	21.836863	1.381093	2.315862
3	Sardinero_Valdecilla	39	12.230000	24.081092	0.571961	1.118671
101	Sardinero_Valdecilla	1	14.406667	20.459999	0.816122	1.165879
101	Valdecilla_Sardinero	2	14.408333	20.542338	1.358274	1.947358
101	Sardinero_Valdecilla	3	14.876667	19.883870	1.350751	1.674452
102	Sardinero_Valdecilla	2	16.596667	17.803506	1.302423	1.420469
102	Valdecilla_Sardinero	3	17.366667	17.114746	2.069040	2.082072
102	Sardinero_Valdecilla	4	20.736667	16.173990	10.492242	4.960919