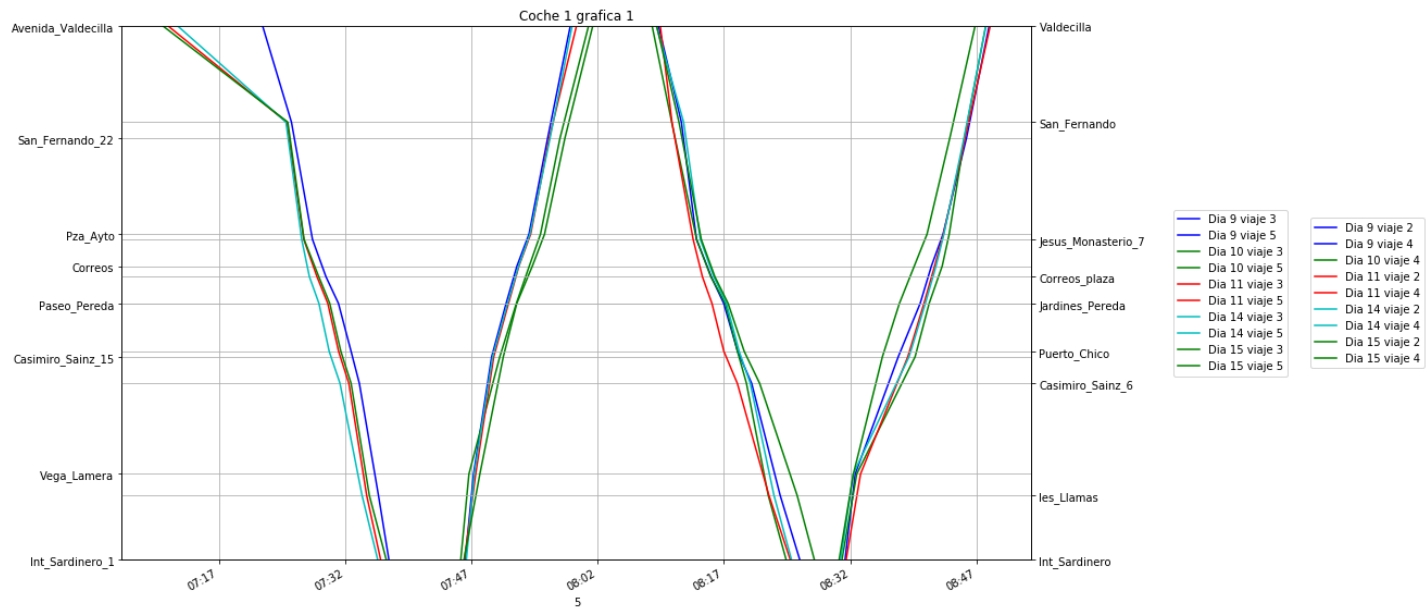


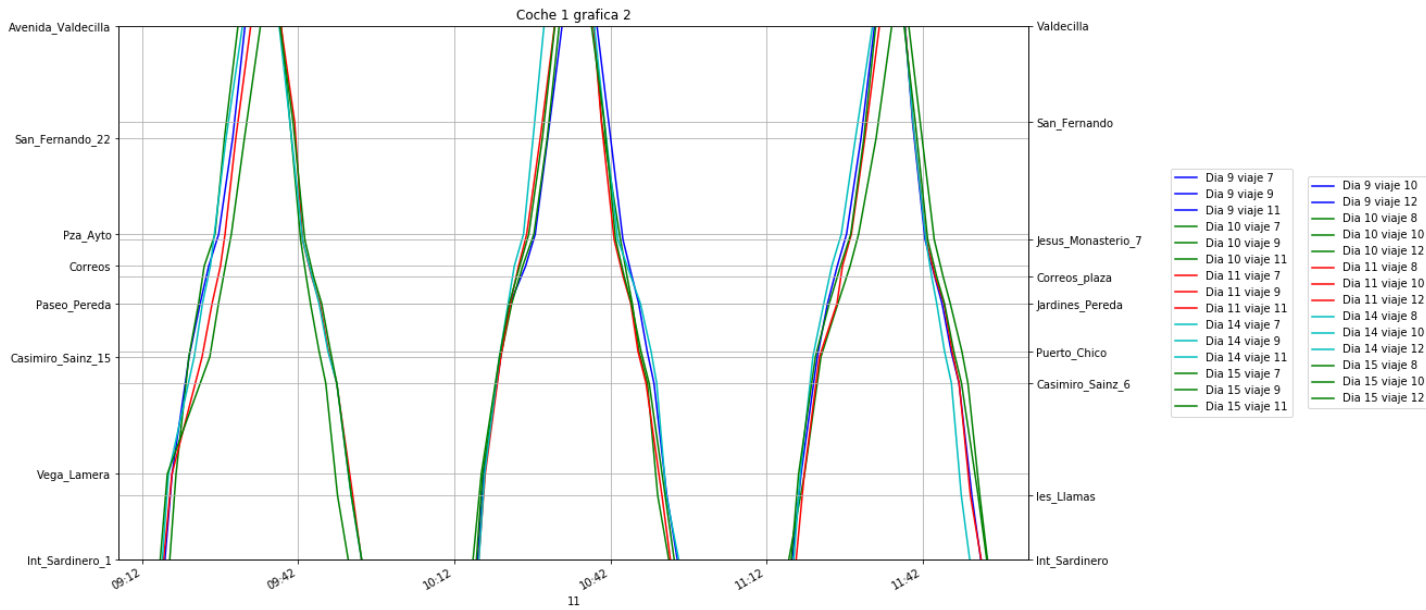
Coche 1 grafica 1

Gráfico evolución:



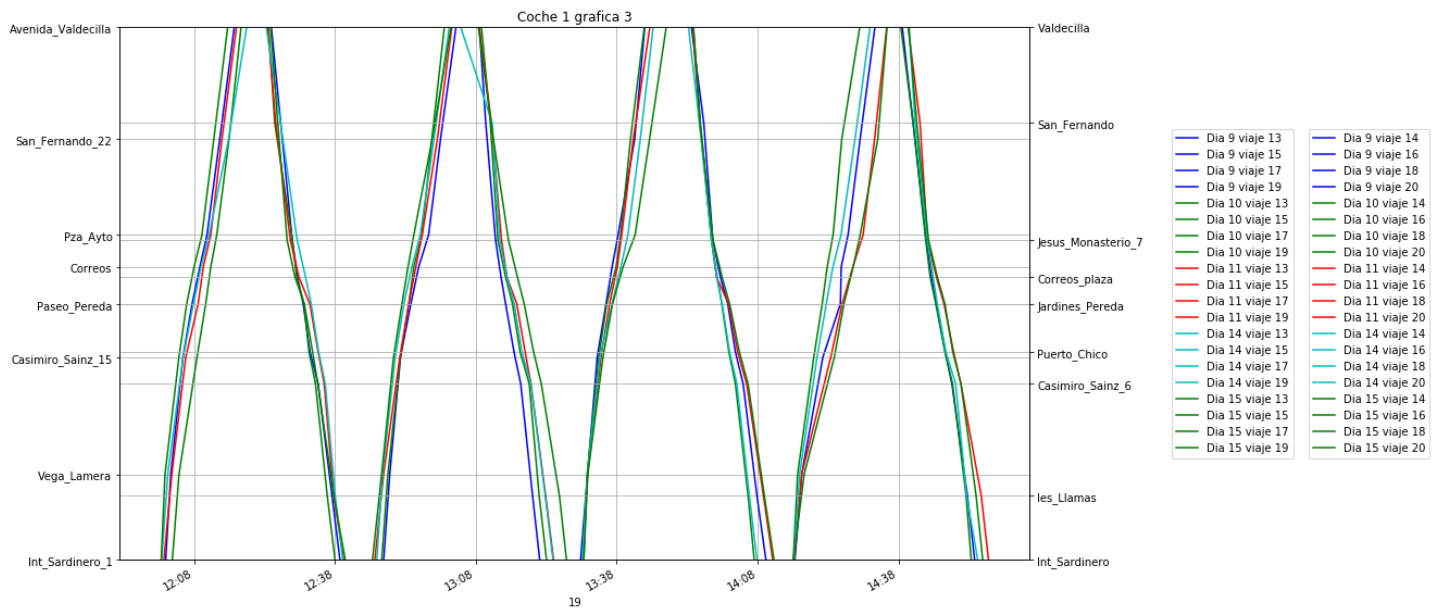
Coche 1 grafica 2

Gráfico evolución:



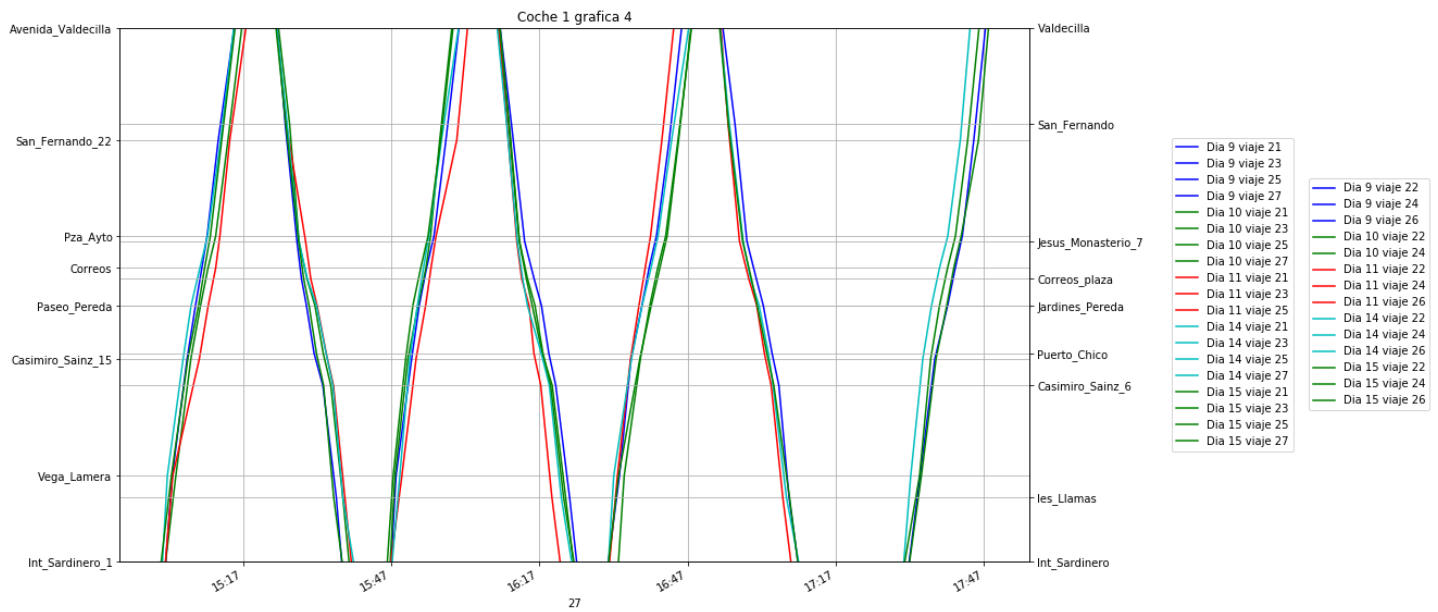
Coche 1 grafica 3

Gráfico evolución:



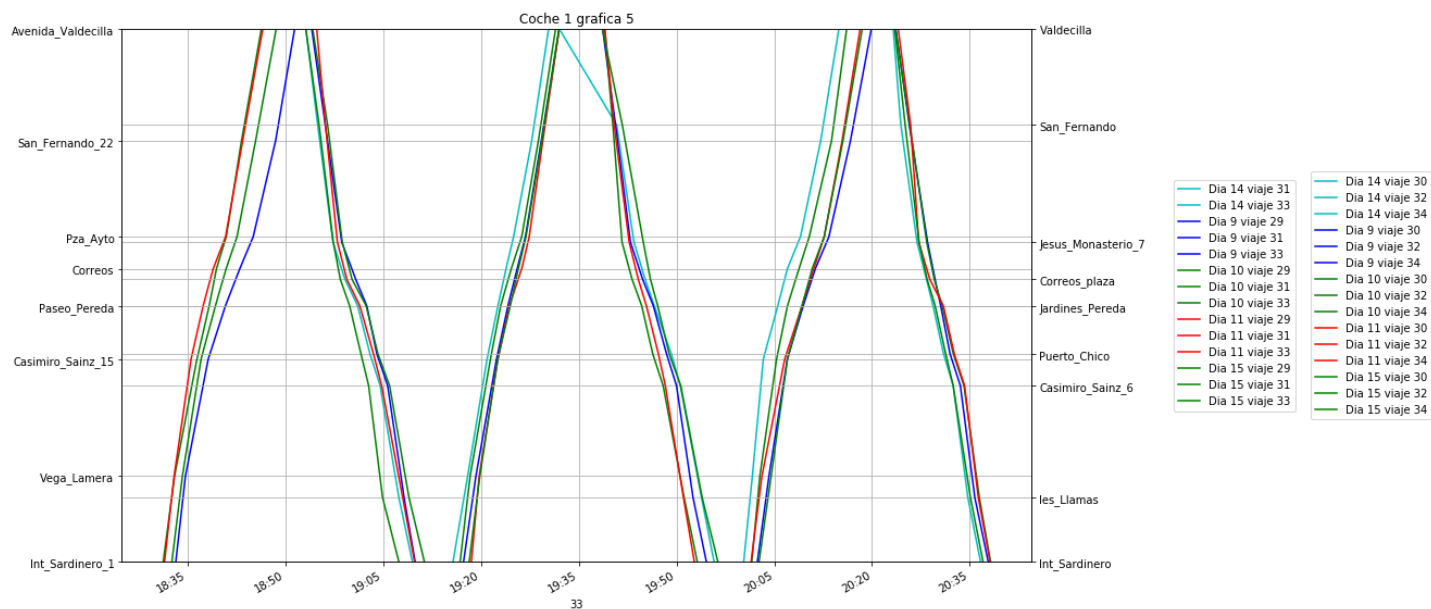
Coche 1 grafica 4

Gráfico evolución:



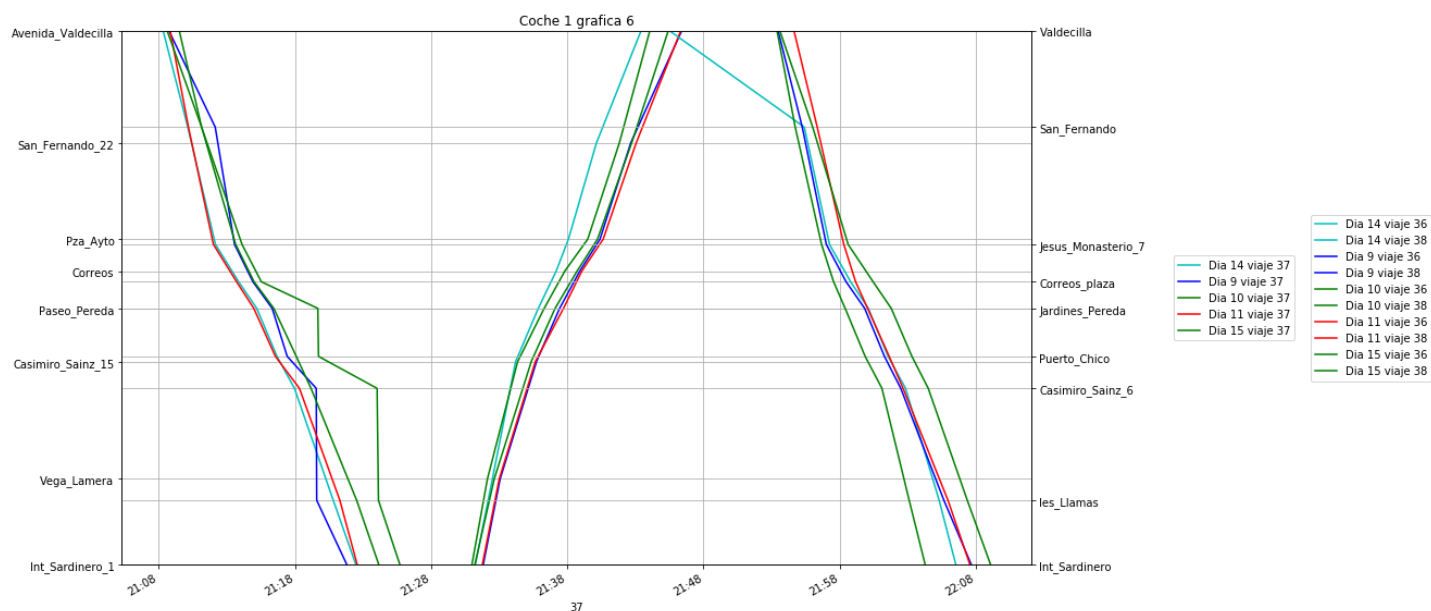
Coche 1 grafica 5

Gráfico evolución:



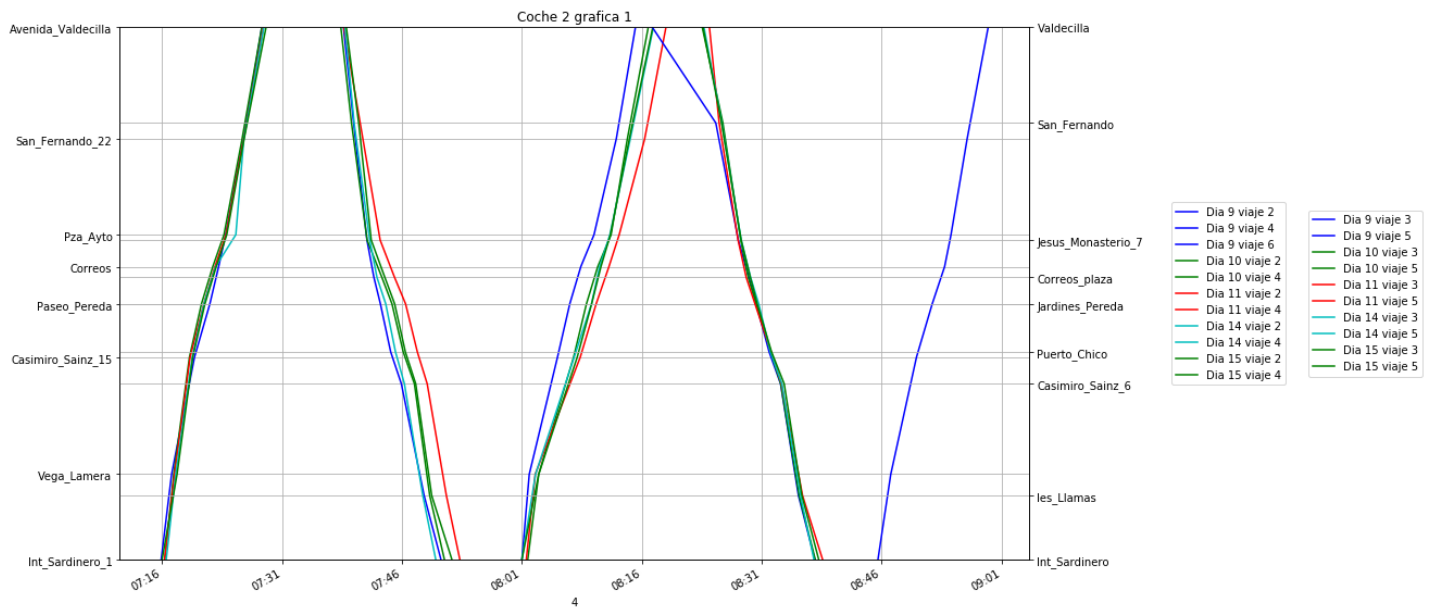
Coche 1 grafica 6

Gráfico evolución:



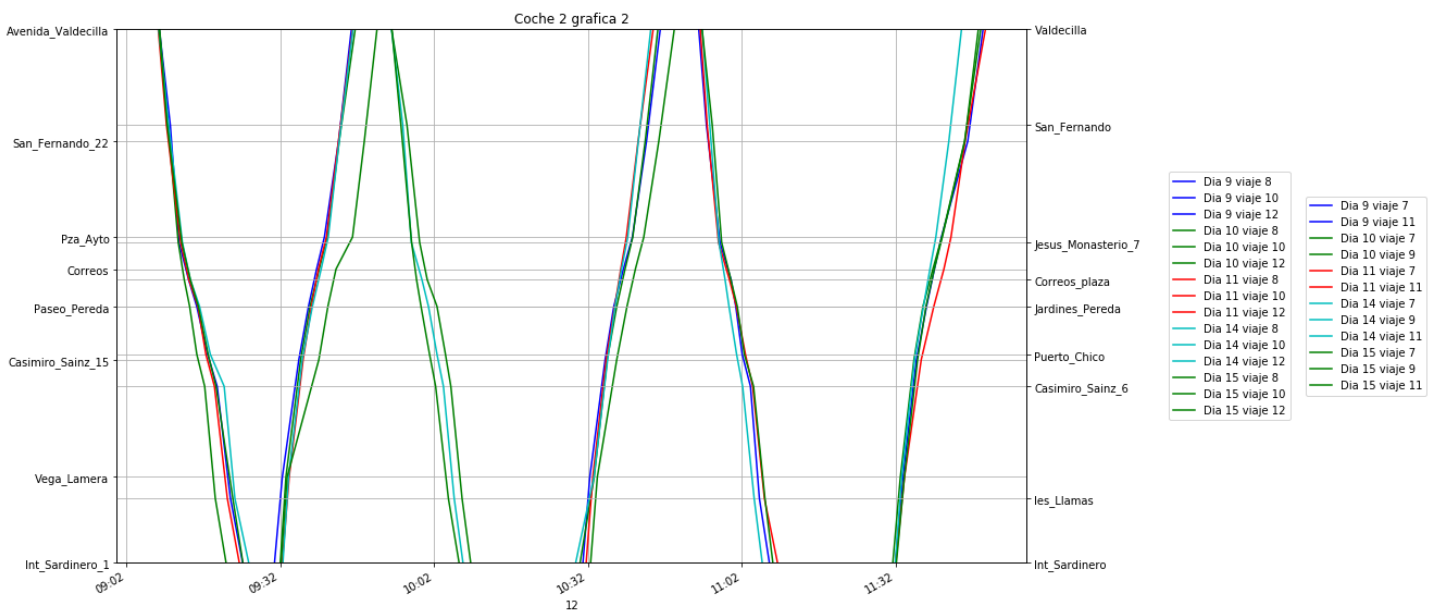
Coche 2 grafica 1

Gráfico evolución:



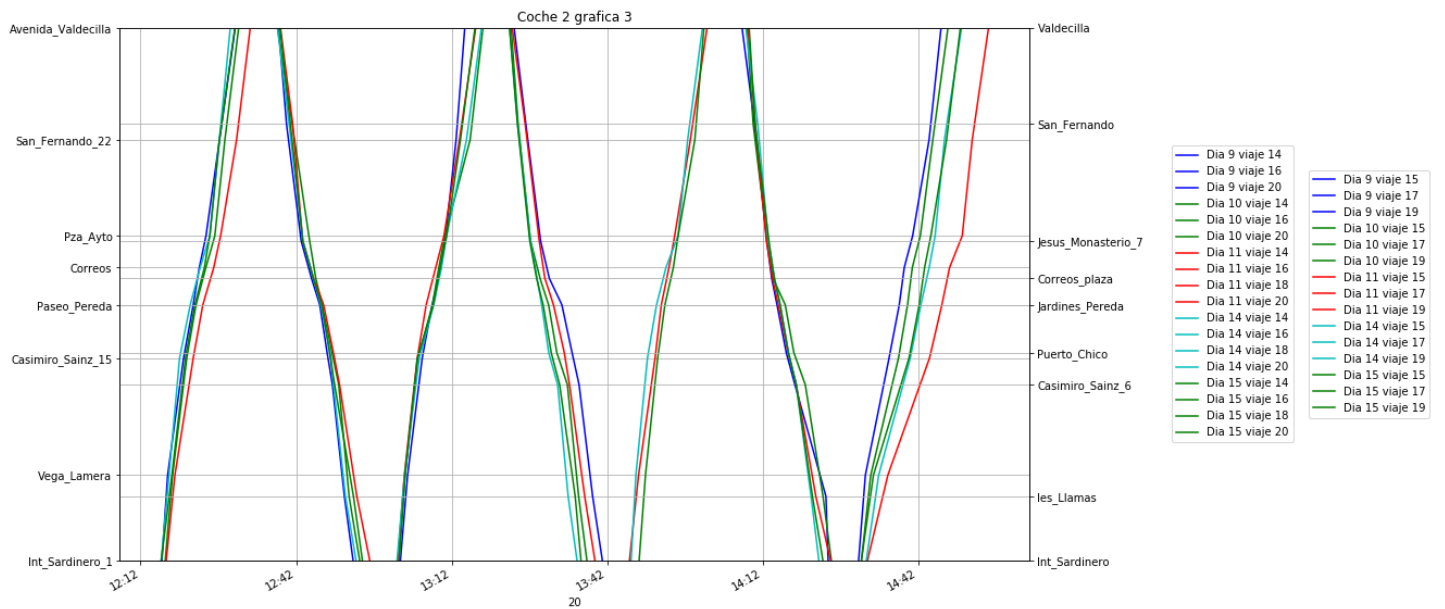
Coche 2 grafica 2

Gráfico evolución:



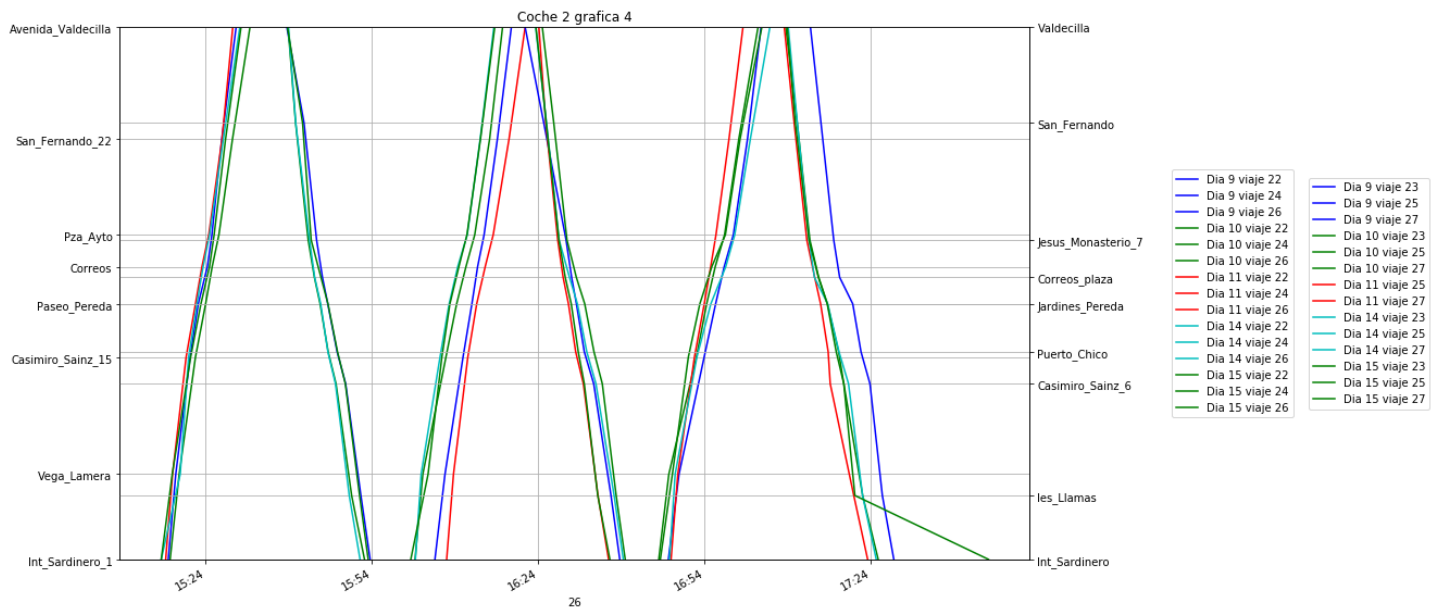
Coche 2 grafica 3

Gráfico evolución:



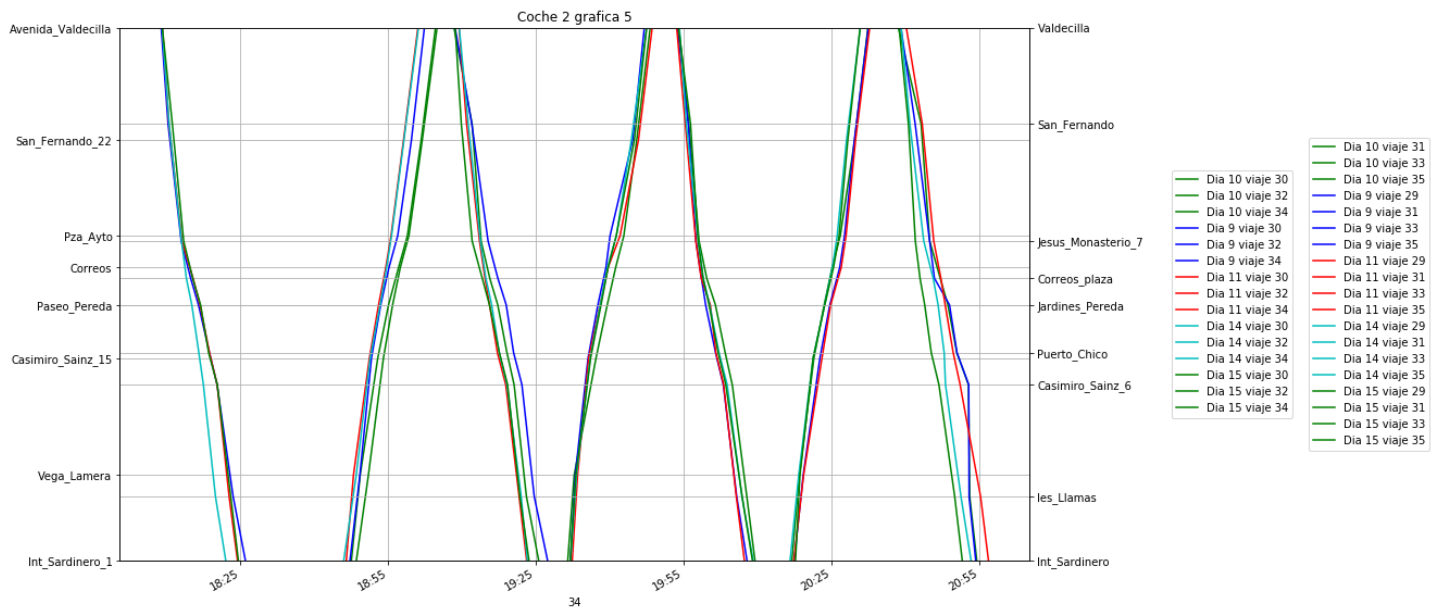
Coche 2 grafica 4

Gráfico evolución:



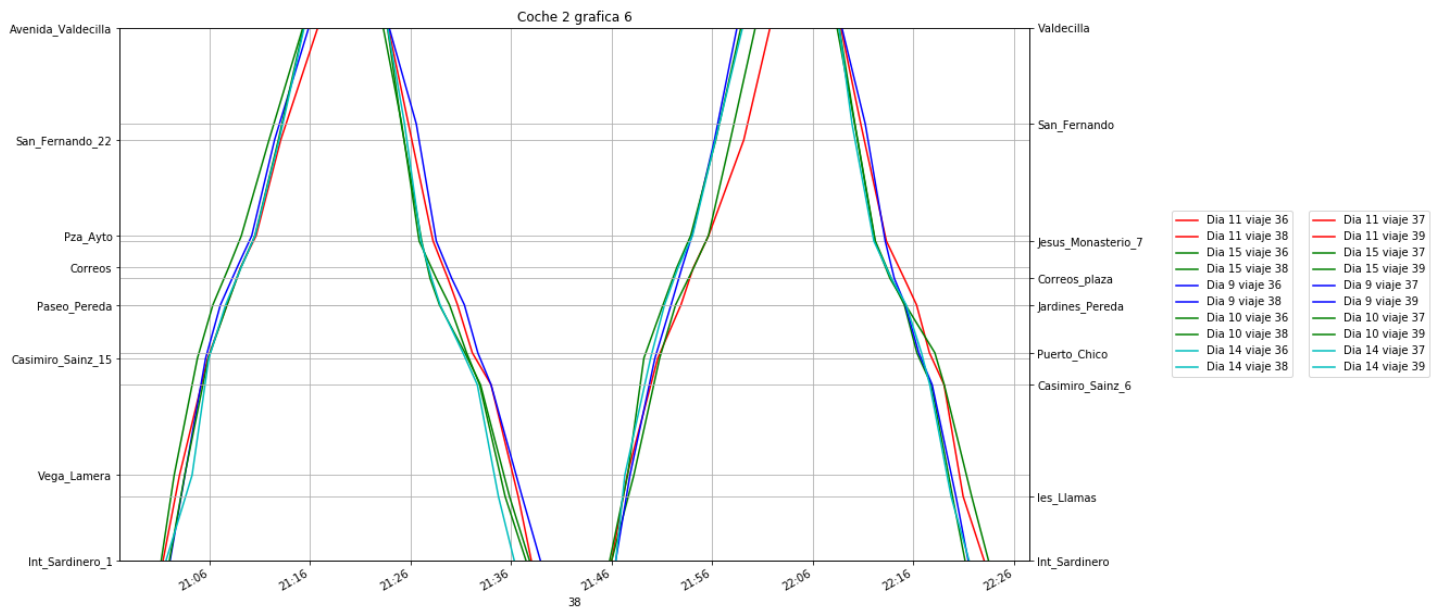
Coche 2 grafica 5

Gráfico evolución:



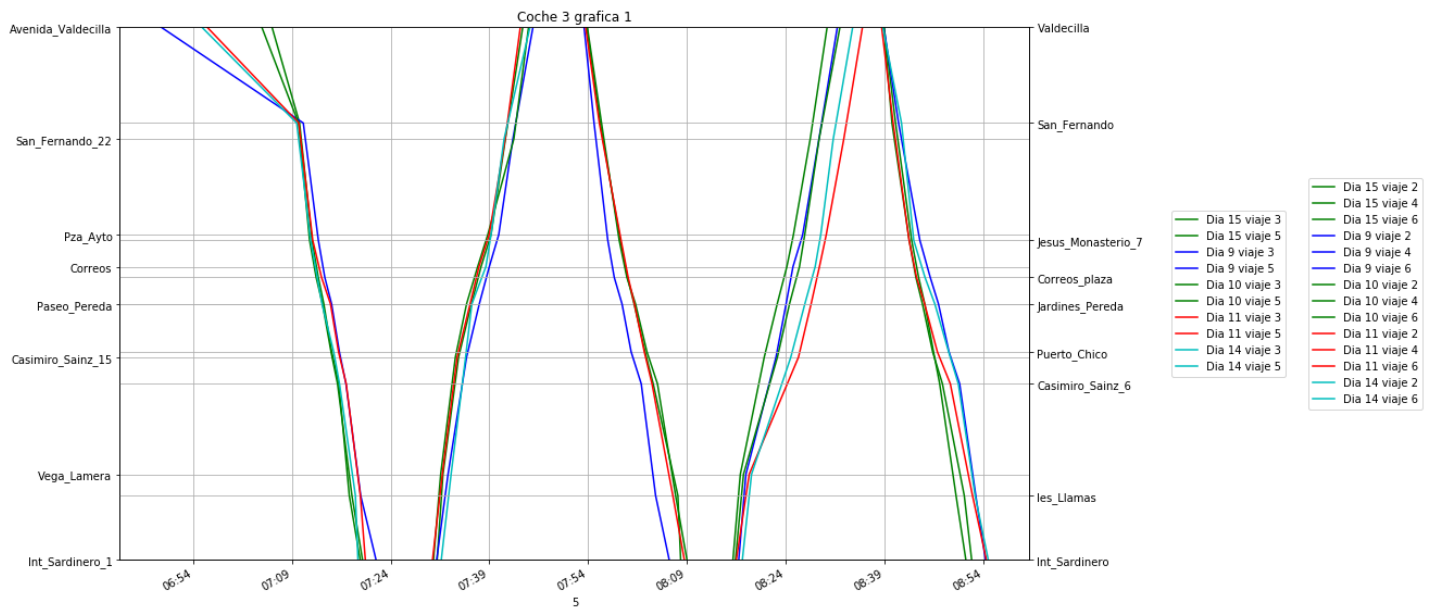
Coche 2 grafica 6

Gráfico evolución:



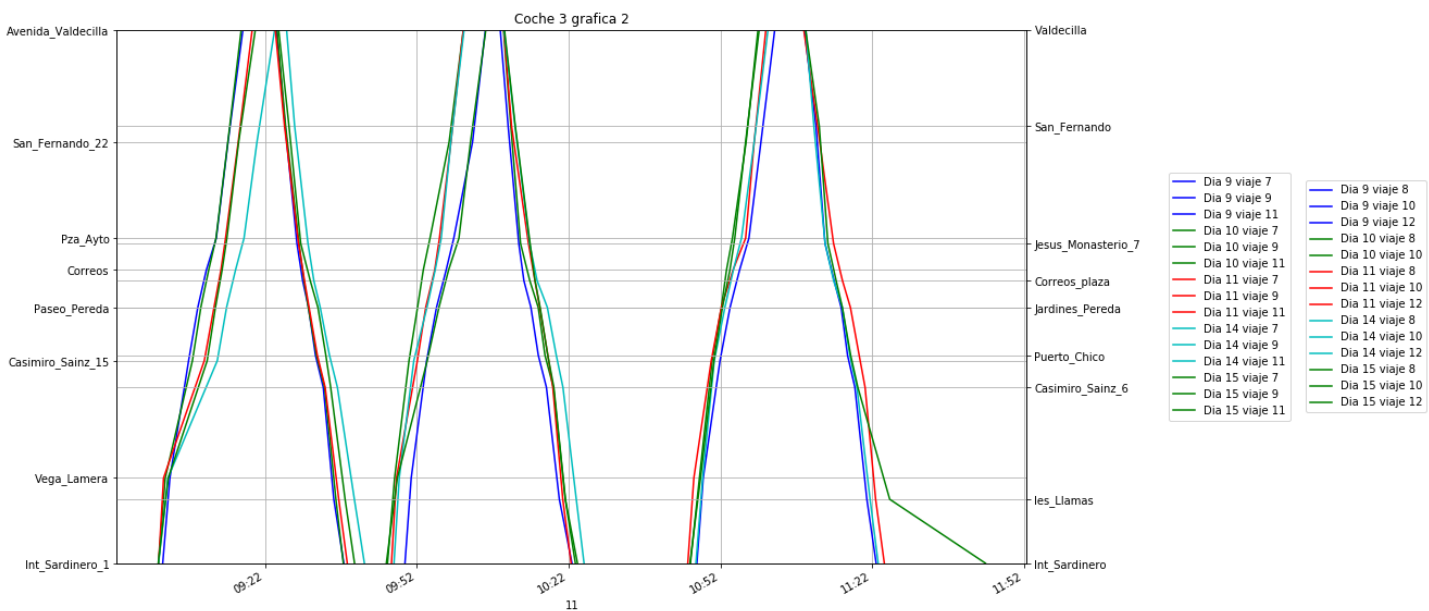
Coche 3 grafica 1

Gráfico evolución:



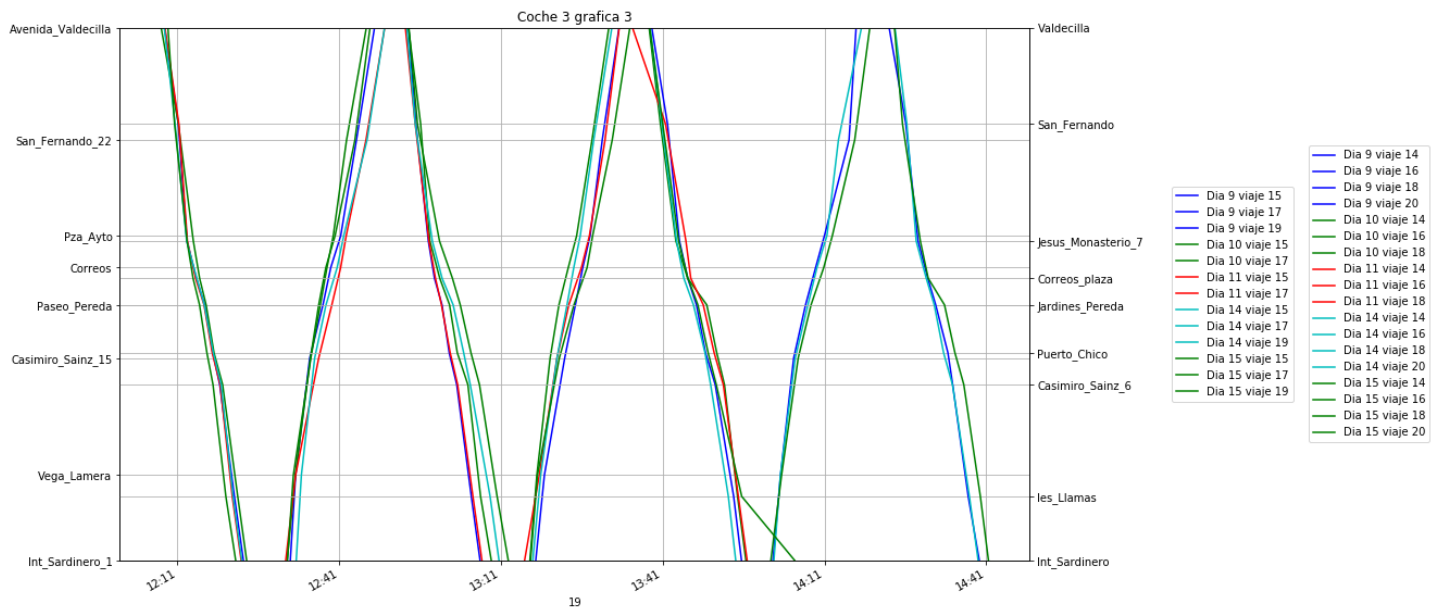
Coche 3 grafica 2

Gráfico evolución:



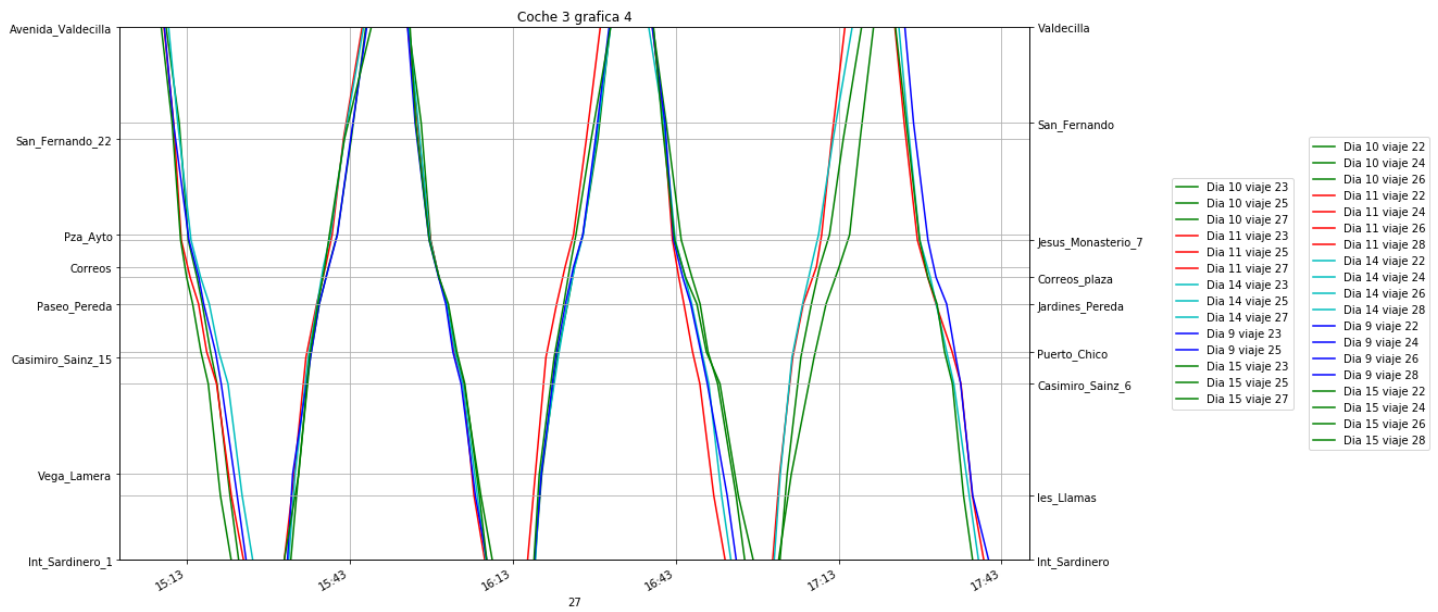
Coche 3 grafica 3

Gráfico evolución:



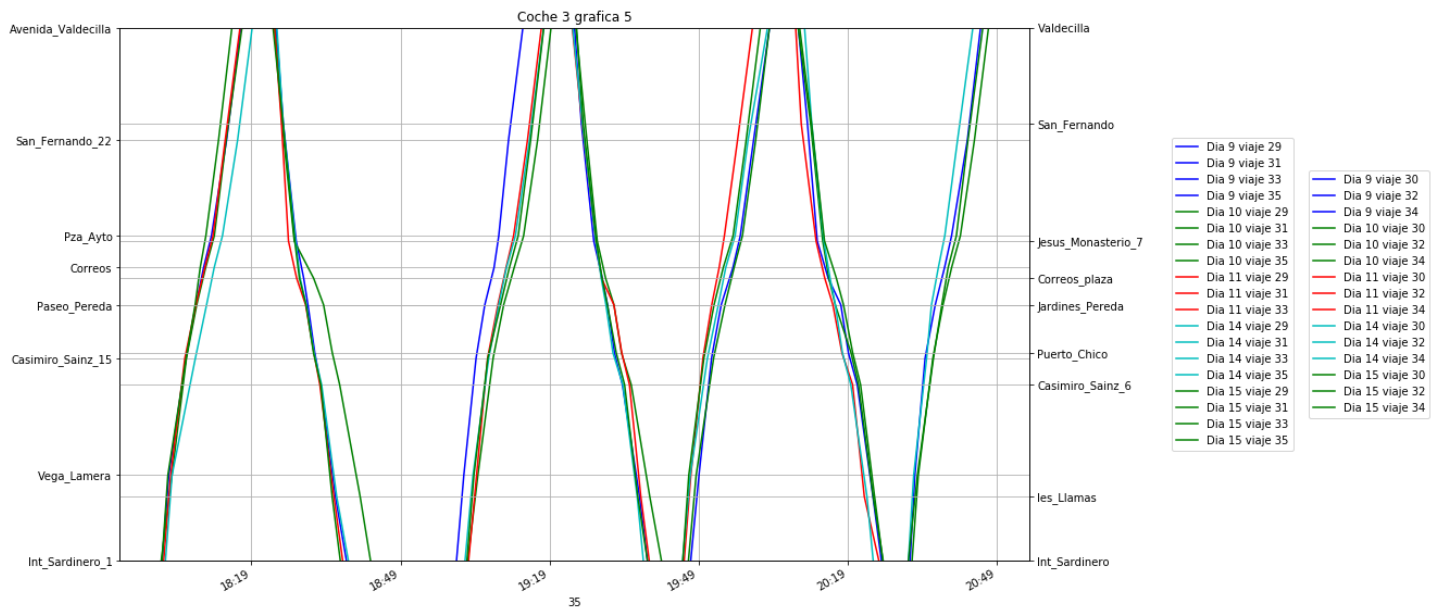
Coche 3 grafica 4

Gráfico evolución:



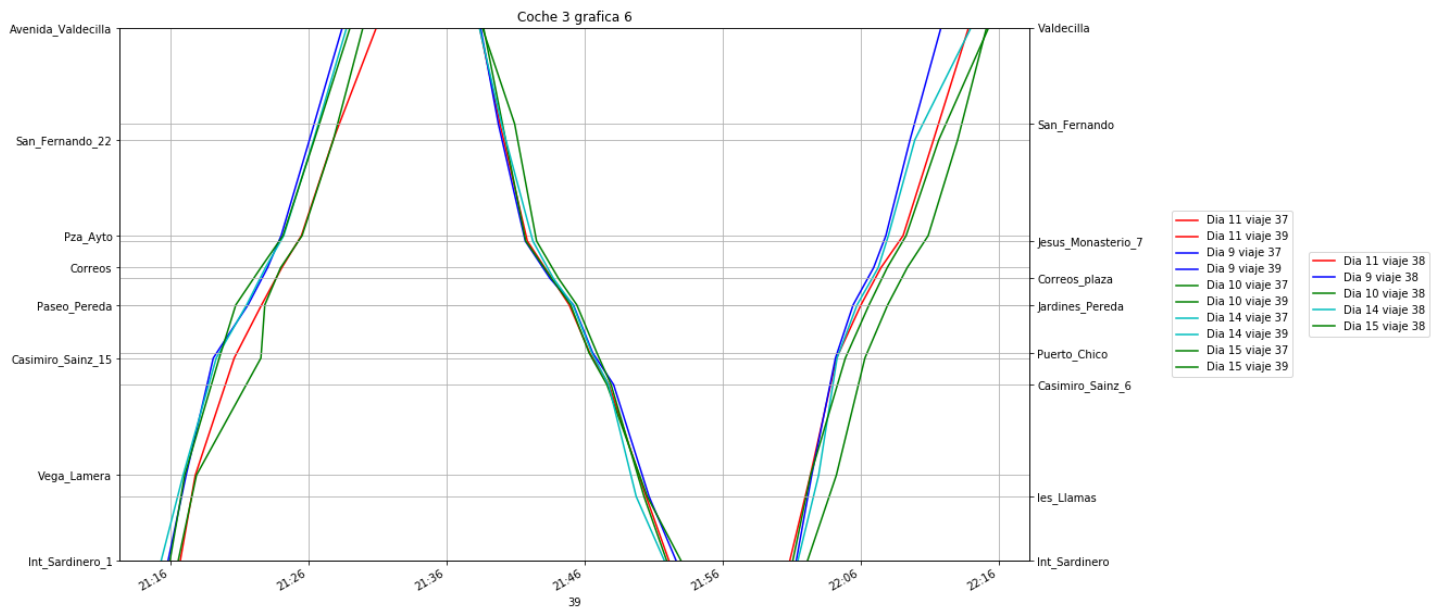
Coche 3 grafica 5

Gráfico evolución:



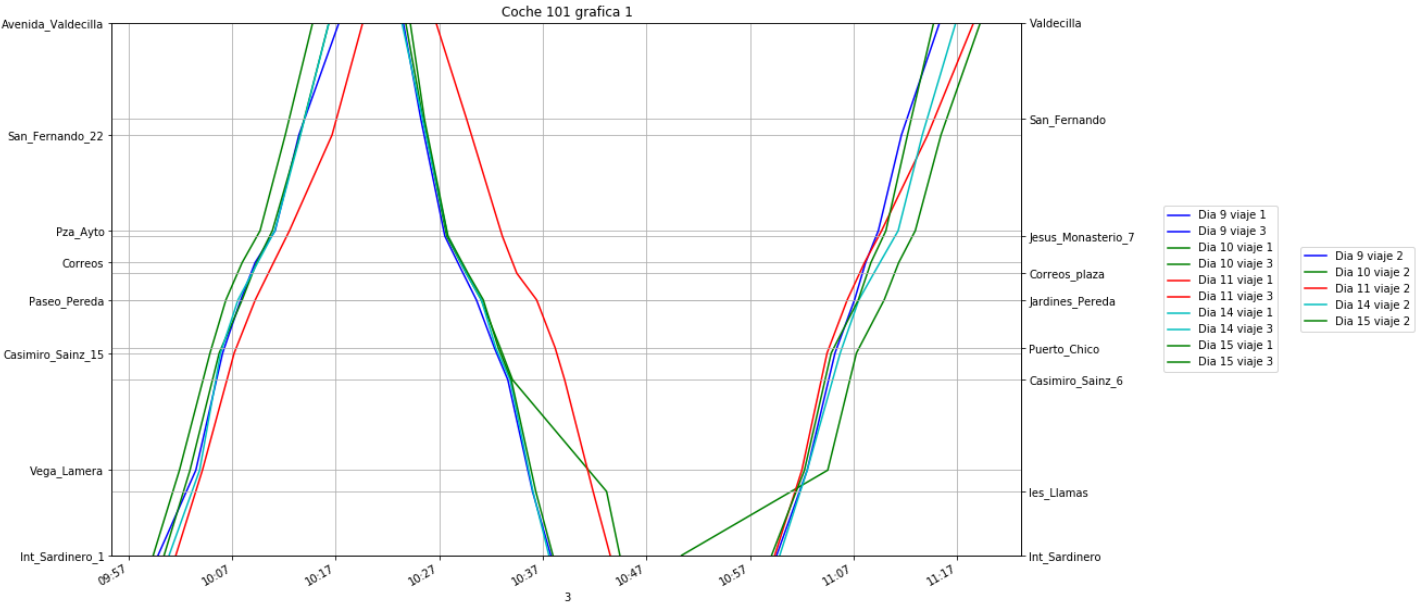
Coche 3 grafica 6

Gráfico evolución:



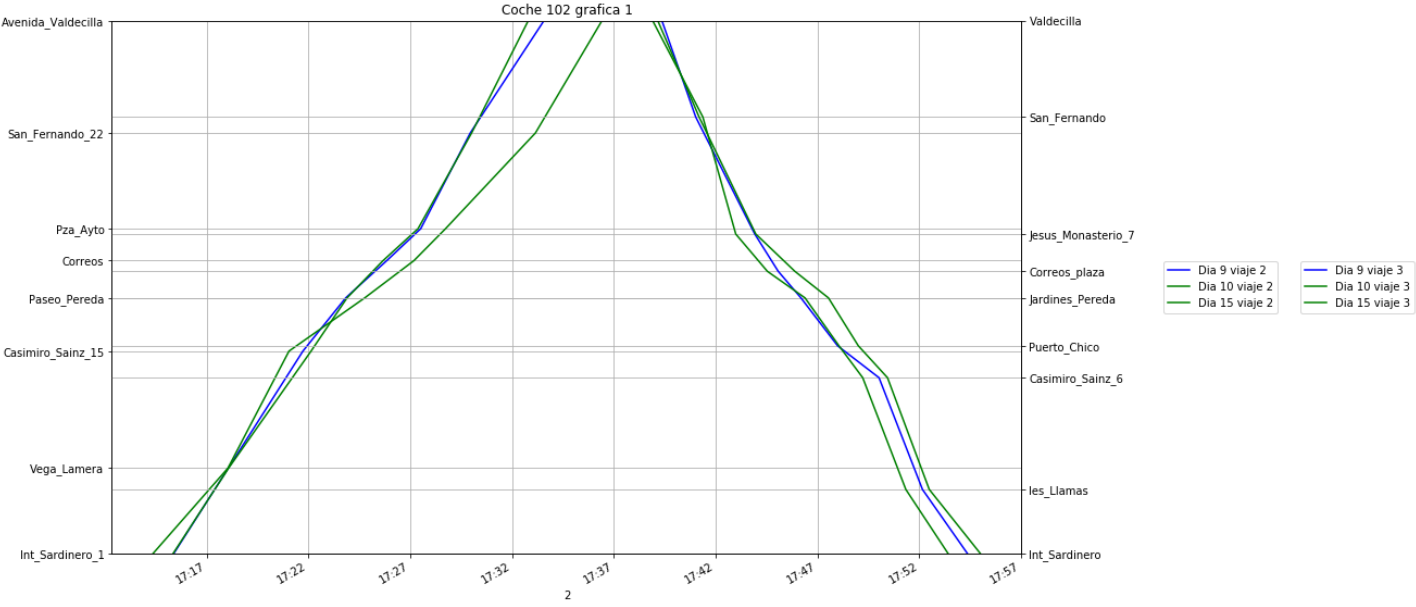
Coche 101 grafica 1

Gráfico evolución:



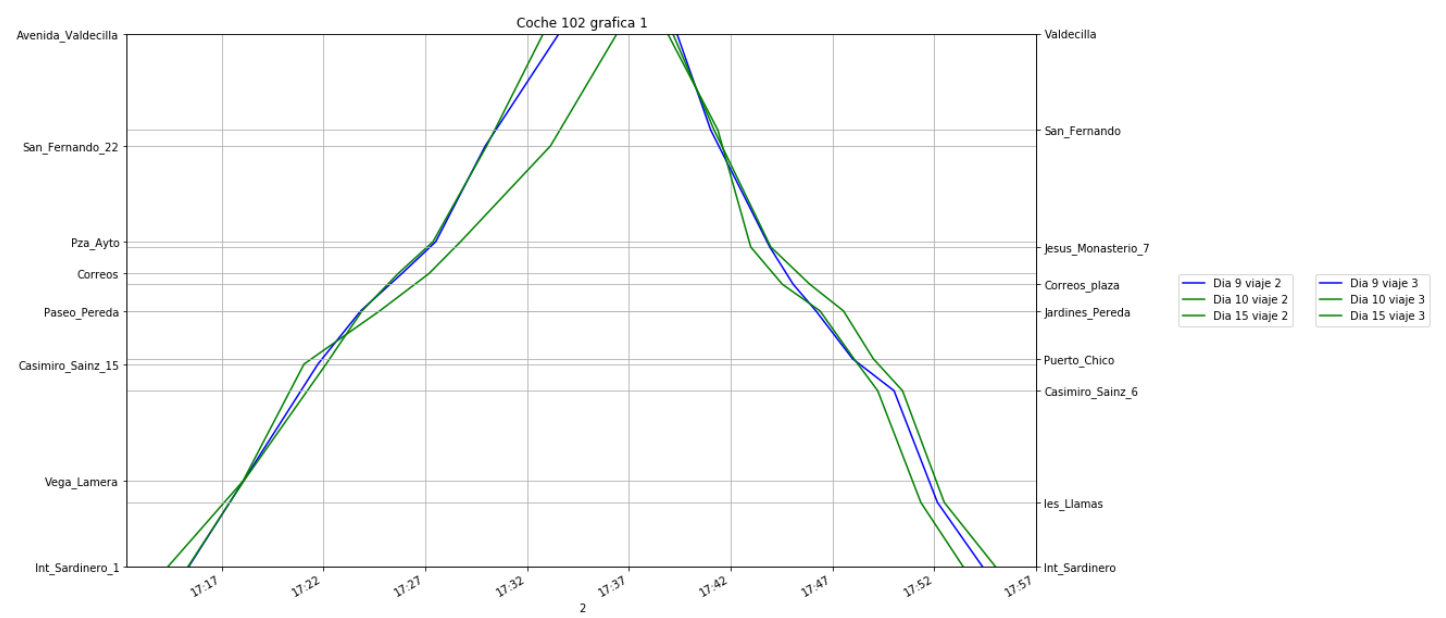
Coche 102 grafica 1

Gráfico evolución:



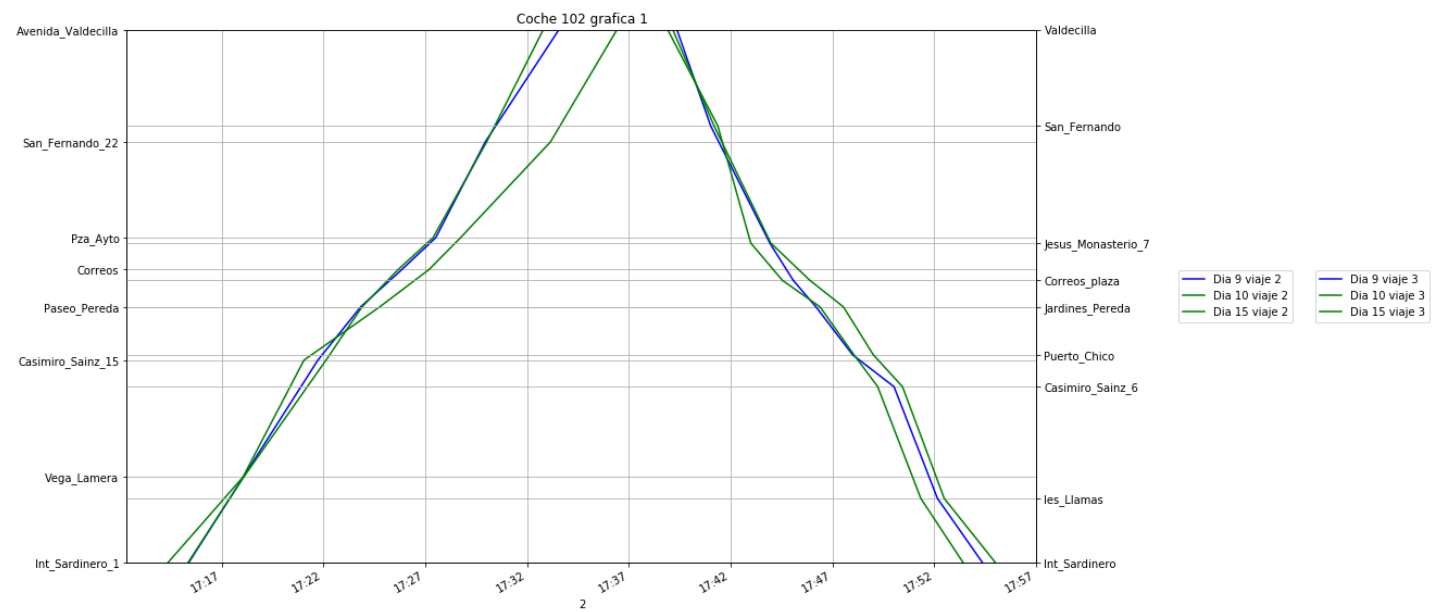
Coche 102 grafica 1

Gráfico evolución:



Coche 102 grafica 1

Gráfico evolución:



Coche 102 grafica 1

Gráfico evolución:

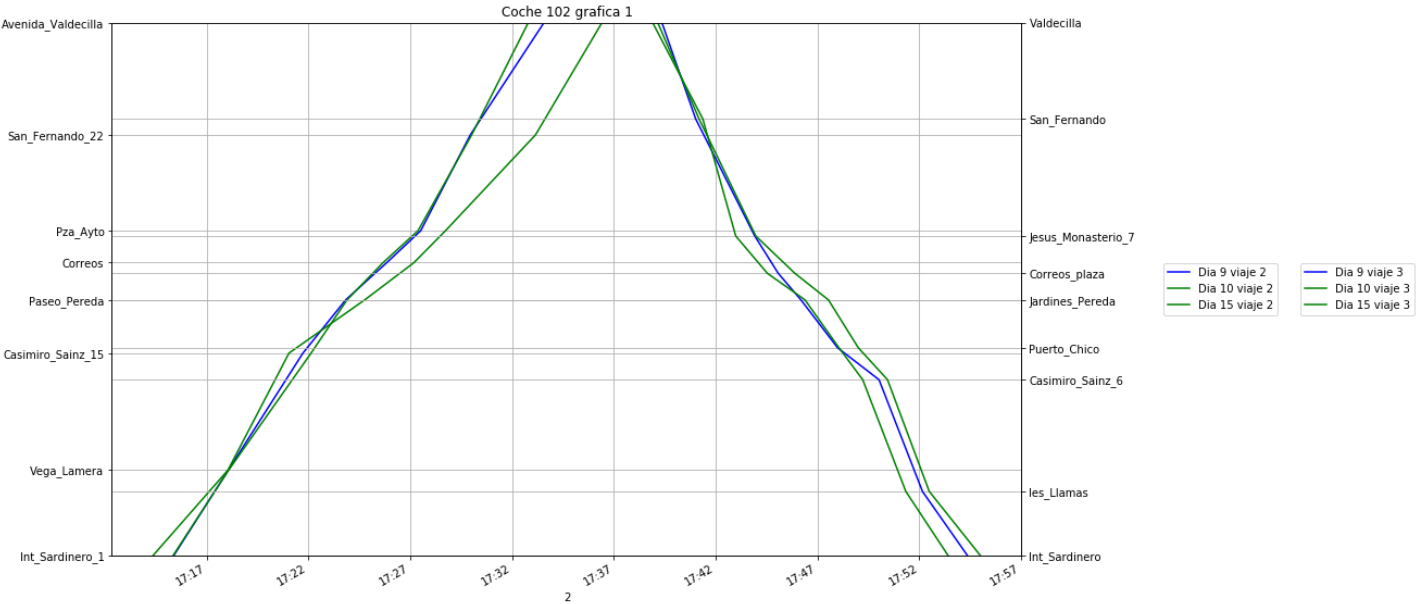


Tabla resumen velocidades y tiempos

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
1	Valdecilla_Sardiner	2	22.595833	13.696534	5.199383	3.985590
1	Sardiner_Valdecilla	3	13.753333	21.547140	1.382701	2.121433
1	Valdecilla_Sardiner	4	16.560000	17.834360	1.288011	1.299278
1	Sardiner_Valdecilla	5	16.926667	17.379126	0.448082	0.476131
1	Sardiner_Valdecilla	7	15.970000	18.701685	2.250938	2.615893
1	Valdecilla_Sardiner	8	14.958333	19.798180	1.402412	2.042324
1	Sardiner_Valdecilla	9	14.986667	19.797541	1.522124	2.221035
1	Valdecilla_Sardiner	10	15.330000	19.217496	0.773376	0.977120
1	Sardiner_Valdecilla	11	16.583333	17.882948	1.826693	1.754159
1	Valdecilla_Sardiner	12	14.520000	20.380841	1.264219	1.913092
1	Sardiner_Valdecilla	13	15.386667	19.255542	1.587600	1.797028
1	Valdecilla_Sardiner	14	15.413333	19.138132	0.982231	1.250662
1	Sardiner_Valdecilla	15	15.446667	19.152833	1.319217	1.754415
1	Valdecilla_Sardiner	16	16.183333	18.669356	2.974685	3.435524
1	Sardiner_Valdecilla	17	14.700000	20.222346	1.787767	2.296013
1	Valdecilla_Sardiner	18	15.503333	19.174767	1.767822	2.321364
1	Sardiner_Valdecilla	19	17.400000	17.174293	2.437639	2.491338
1	Valdecilla_Sardiner	20	15.566667	18.943201	0.970324	1.138275
1	Sardiner_Valdecilla	21	14.970000	19.700088	0.934776	1.218985
1	Valdecilla_Sardiner	22	14.233333	20.746983	1.054422	1.540973
1	Sardiner_Valdecilla	23	13.673333	21.610174	1.112654	1.670535
1	Valdecilla_Sardiner	24	14.583333	20.278932	1.184037	1.832025
1	Sardiner_Valdecilla	25	15.080000	19.647049	1.449109	1.970826
1	Valdecilla_Sardiner	26	15.237500	19.335789	0.799580	1.049461
1	Sardiner_Valdecilla	27	14.937500	19.767623	1.106661	1.542365
1	Sardiner_Valdecilla	29	16.079167	18.395346	1.490238	1.595735
1	Valdecilla_Sardiner	30	15.710000	18.791343	1.120553	1.354063
1	Sardiner_Valdecilla	31	14.233333	20.683666	0.579391	0.857688
1	Valdecilla_Sardiner	32	17.043333	17.932232	4.047661	3.634339
1	Sardiner_Valdecilla	33	15.826667	18.674694	1.290112	1.511371
1	Valdecilla_Sardiner	34	13.946667	21.100701	0.484682	0.733795
1	Valdecilla_Sardiner	36	14.516667	20.422178	1.541374	2.003052
1	Sardiner_Valdecilla	37	13.696667	21.573438	1.061079	1.750075
1	Valdecilla_Sardiner	38	14.870000	20.730047	3.804865	4.799534
2	Sardiner_Valdecilla	2	12.463333	23.603493	0.345889	0.644124
2	Valdecilla_Sardiner	3	12.840000	23.052485	1.183662	2.113033
2	Sardiner_Valdecilla	4	15.910000	18.577048	1.280495	1.526404
2	Valdecilla_Sardiner	5	15.366667	19.548537	2.788045	2.869854
2	Sardiner_Valdecilla	6	13.783333	21.330109	NaN	NaN
2	Valdecilla_Sardiner	7	15.756667	18.854991	1.706670	2.272726
2	Sardiner_Valdecilla	8	15.133333	19.684738	2.071064	2.358079
2	Valdecilla_Sardiner	9	14.133333	20.895998	1.173433	1.701885
2	Sardiner_Valdecilla	10	14.836667	19.919757	1.176116	1.644630
2	Valdecilla_Sardiner	11	13.566667	21.849168	1.380352	2.344928
2	Sardiner_Valdecilla	12	16.110000	18.481234	1.882360	2.483452
2	Sardiner_Valdecilla	14	14.386667	20.520898	1.069943	1.436495
2	Valdecilla_Sardiner	15	15.673333	18.825479	1.055317	1.255678
2	Sardiner_Valdecilla	16	14.913333	19.910790	1.591706	2.313595
2	Valdecilla_Sardiner	17	14.856667	19.976667	1.621453	2.154414
2	Sardiner_Valdecilla	18	13.727778	21.532924	1.233483	1.947327

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
2	Valdecilla_Sardiner	19	15.406667	19.174589	1.180548	1.500346
2	Sardiner_Valdecilla	20	18.660000	16.037377	2.900134	2.282245
2	Sardiner_Valdecilla	22	13.456667	21.988030	1.182136	1.994018
2	Valdecilla_Sardiner	23	14.062500	20.976310	0.926900	1.410065
2	Sardiner_Valdecilla	24	14.600000	20.187887	0.830161	1.119572
2	Valdecilla_Sardiner	25	14.743333	20.188987	1.822300	2.514661
2	Sardiner_Valdecilla	26	16.793333	17.802312	2.227904	2.788963
2	Valdecilla_Sardiner	27	19.776667	16.677078	9.252414	4.859465
2	Valdecilla_Sardiner	29	15.145833	19.609483	1.721131	2.335302
2	Sardiner_Valdecilla	30	15.630000	18.875058	1.037251	1.226800
2	Valdecilla_Sardiner	31	15.673333	19.045604	2.207739	2.559582
2	Sardiner_Valdecilla	32	15.760000	18.683124	0.690370	0.807962
2	Valdecilla_Sardiner	33	14.630000	20.133429	0.703404	0.981442
2	Sardiner_Valdecilla	34	14.623333	20.180708	0.977568	1.419614
2	Valdecilla_Sardiner	35	14.930000	19.859675	1.505702	2.085954
2	Sardiner_Valdecilla	36	14.046667	20.980021	0.784697	1.114922
2	Valdecilla_Sardiner	37	14.016667	21.046540	0.890771	1.408807
2	Sardiner_Valdecilla	38	13.533333	21.922808	1.477376	2.281066
2	Valdecilla_Sardiner	39	13.450000	21.979641	1.136943	1.789277
3	Valdecilla_Sardiner	2	21.800000	14.972924	7.727081	5.400714
3	Sardiner_Valdecilla	3	13.770000	21.396122	0.712819	1.095624
3	Valdecilla_Sardiner	4	14.320833	20.609825	1.007782	1.522403
3	Sardiner_Valdecilla	5	16.206667	18.327445	1.887260	2.012856
3	Valdecilla_Sardiner	6	14.616667	20.328619	1.636646	2.398504
3	Sardiner_Valdecilla	7	18.546667	16.128573	2.817194	2.292070
3	Valdecilla_Sardiner	8	14.186667	20.807682	1.007638	1.479330
3	Sardiner_Valdecilla	9	15.706667	19.015034	2.341699	2.499820
3	Valdecilla_Sardiner	10	14.373333	20.517483	0.903896	1.253414
3	Sardiner_Valdecilla	11	14.406667	20.478599	0.953400	1.348990
3	Valdecilla_Sardiner	12	19.966667	17.026185	10.396803	5.922311
3	Valdecilla_Sardiner	14	14.293333	20.684437	1.177014	1.758106
3	Sardiner_Valdecilla	15	16.053333	18.422595	1.419575	1.539398
3	Valdecilla_Sardiner	16	15.656667	19.048777	2.104149	2.529357
3	Sardiner_Valdecilla	17	16.126667	18.395656	1.738398	1.915137
3	Valdecilla_Sardiner	18	19.700000	15.482484	4.494333	3.091318
3	Sardiner_Valdecilla	19	16.655556	17.745377	1.507051	1.553000
3	Valdecilla_Sardiner	20	16.511111	17.851814	1.013291	1.115647
3	Valdecilla_Sardiner	22	14.256667	20.726054	1.118320	1.660667
3	Sardiner_Valdecilla	23	14.490000	20.351309	0.913981	1.218979
3	Valdecilla_Sardiner	24	14.456667	20.357923	0.532108	0.722993
3	Sardiner_Valdecilla	25	13.766667	21.362303	0.264837	0.414047
3	Valdecilla_Sardiner	26	15.816667	18.800716	1.876499	2.253767
3	Sardiner_Valdecilla	27	15.016667	19.773191	1.769442	2.213588
3	Valdecilla_Sardiner	28	15.133333	19.482816	0.940744	1.191420
3	Sardiner_Valdecilla	29	15.770000	18.736381	1.238076	1.491256
3	Valdecilla_Sardiner	30	14.986667	19.956983	2.396363	2.657787
3	Sardiner_Valdecilla	31	15.190000	19.469512	1.282446	1.702304
3	Valdecilla_Sardiner	32	15.146667	19.509289	1.247742	1.505310
3	Sardiner_Valdecilla	33	15.696667	18.830069	1.242276	1.582768
3	Valdecilla_Sardiner	34	16.203333	18.258674	1.353155	1.710670
3	Sardiner_Valdecilla	35	14.358333	20.563379	1.062535	1.577621
3	Sardiner_Valdecilla	37	13.320000	22.105498	0.582547	0.956183
3	Valdecilla_Sardiner	38	13.770000	21.367658	0.433878	0.670351
3	Sardiner_Valdecilla	39	12.606667	23.553091	1.345909	2.730313
101	Sardiner_Valdecilla	1	16.436667	17.964742	1.226184	1.305916
101	Valdecilla_Sardiner	2	15.930000	18.893206	2.906993	3.011050
101	Sardiner_Valdecilla	3	19.266667	16.070310	5.527808	3.569240
102	Sardiner_Valdecilla	2	17.993333	16.550463	2.403632	1.982872
102	Valdecilla_Sardiner	3	15.094444	19.502995	0.673575	0.861768
102	Sardiner_Valdecilla	4	26.508333	13.004321	11.745909	5.758795