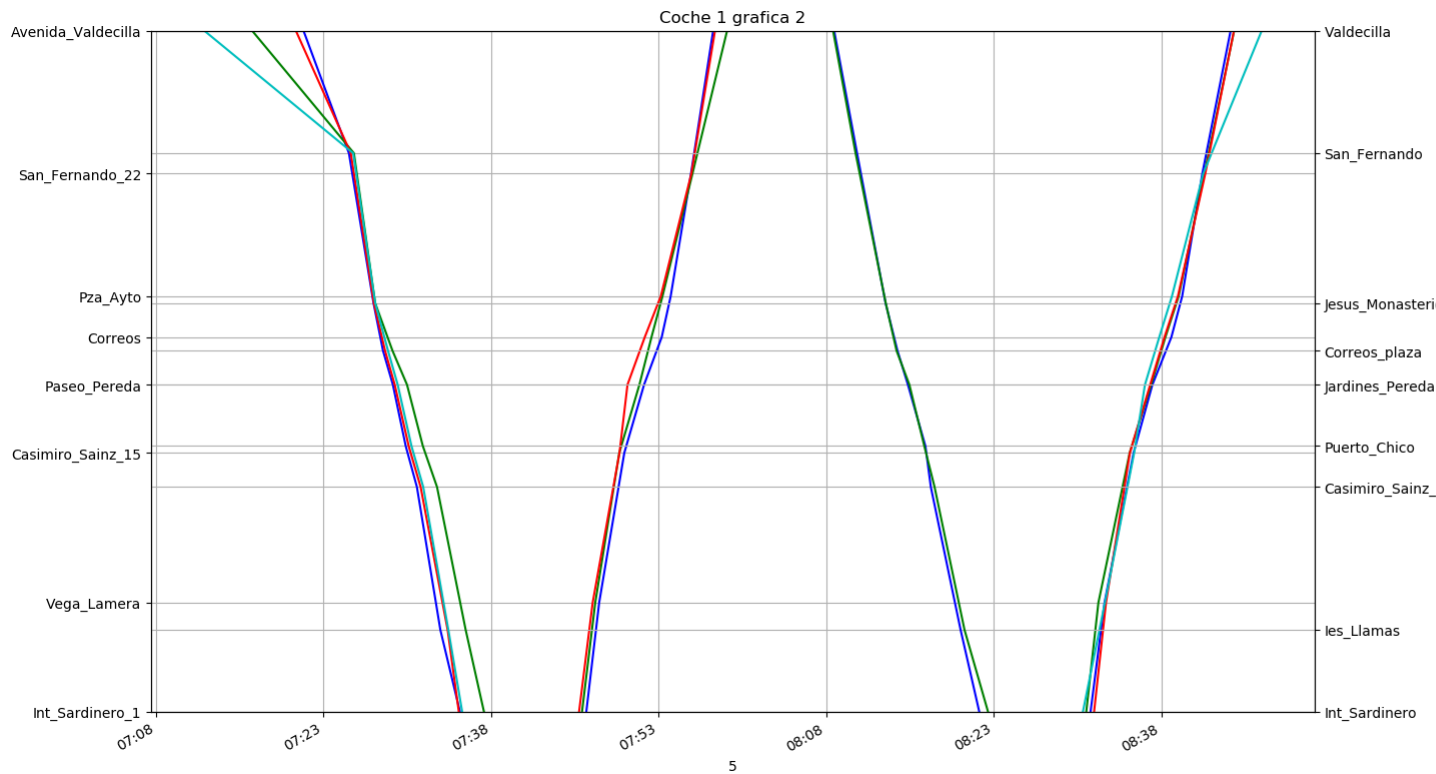


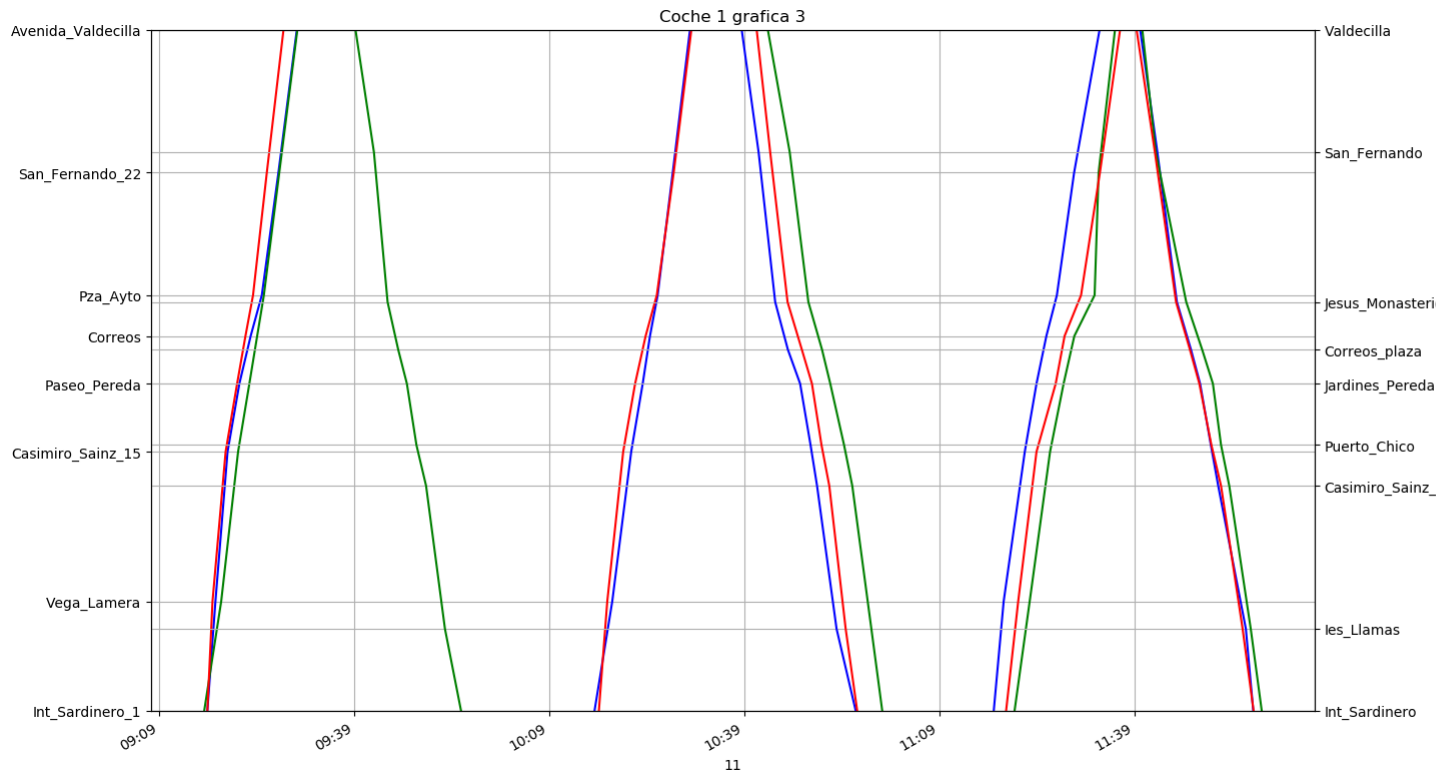
Coche 1 grafica 2

Gráfico evolución:



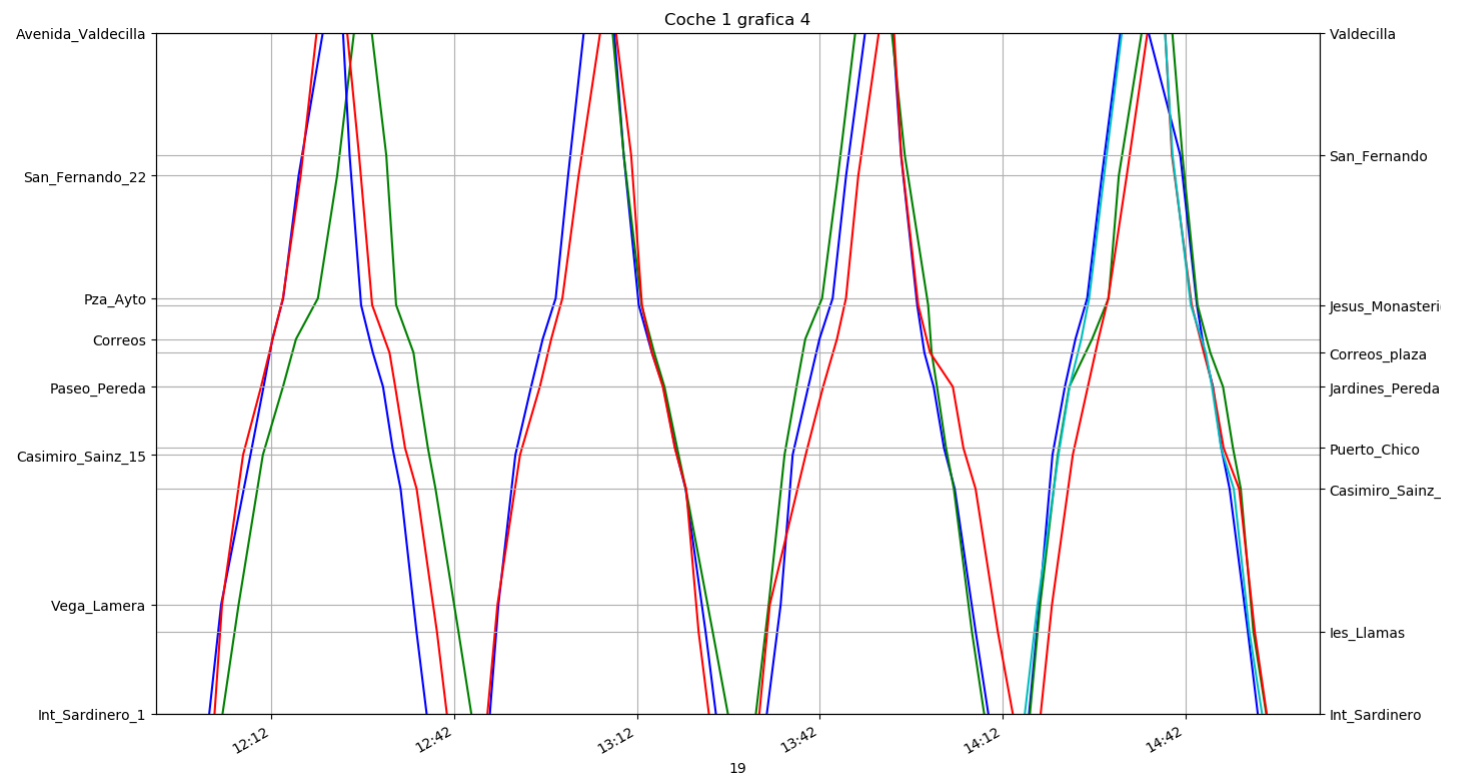
Coche 1 grafica 3

Gráfico evolución:



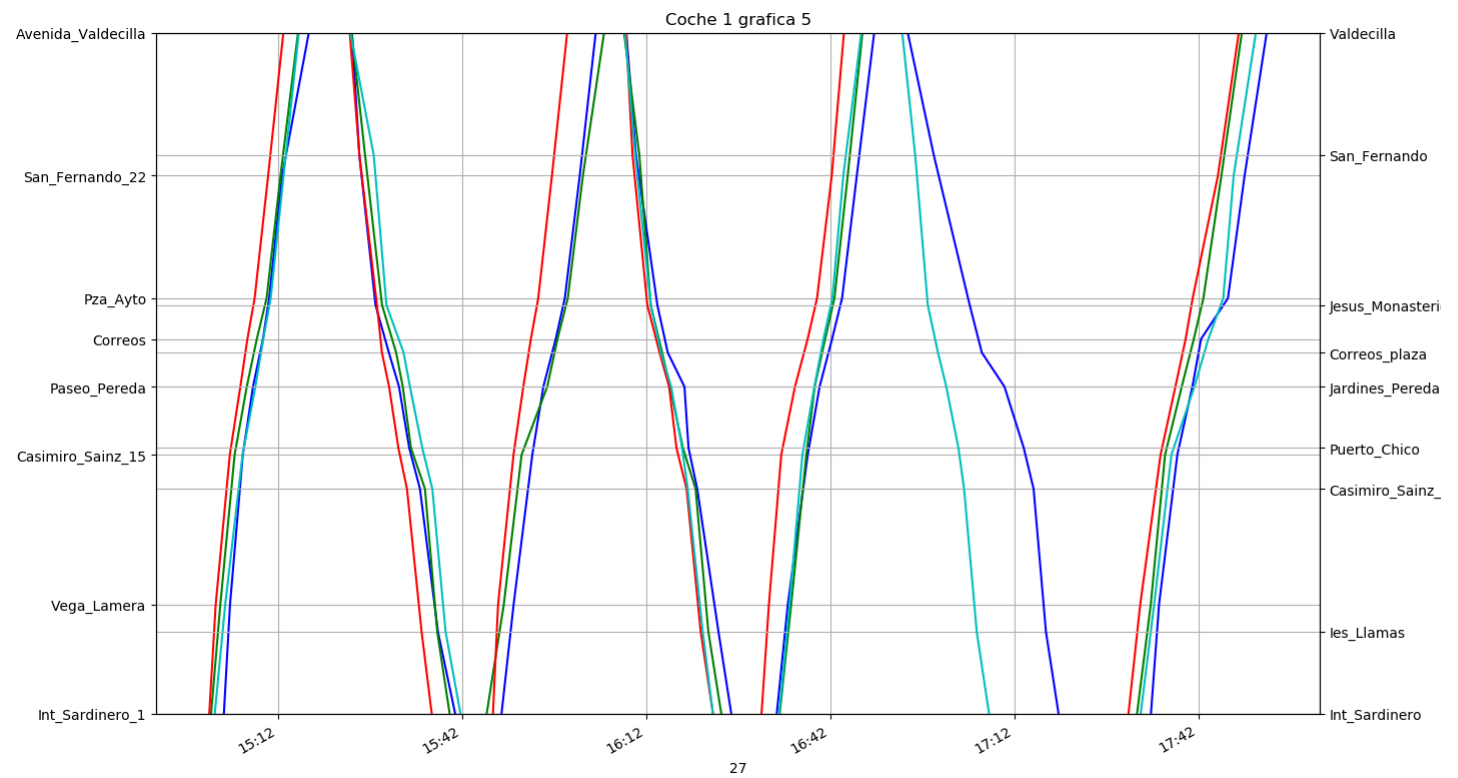
Coche 1 grafica 4

Gráfico evolución:



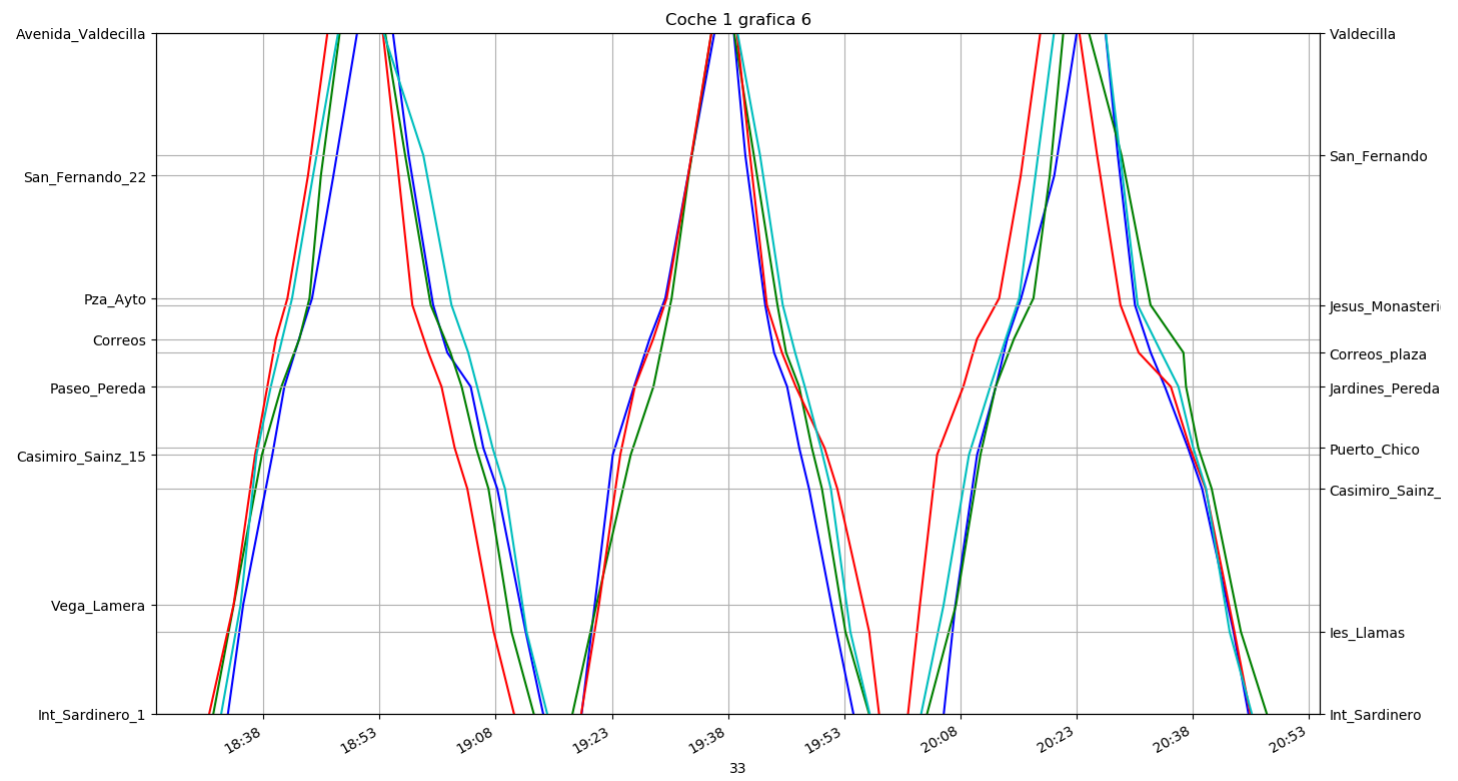
Coche 1 grafica 5

Gráfico evolución:



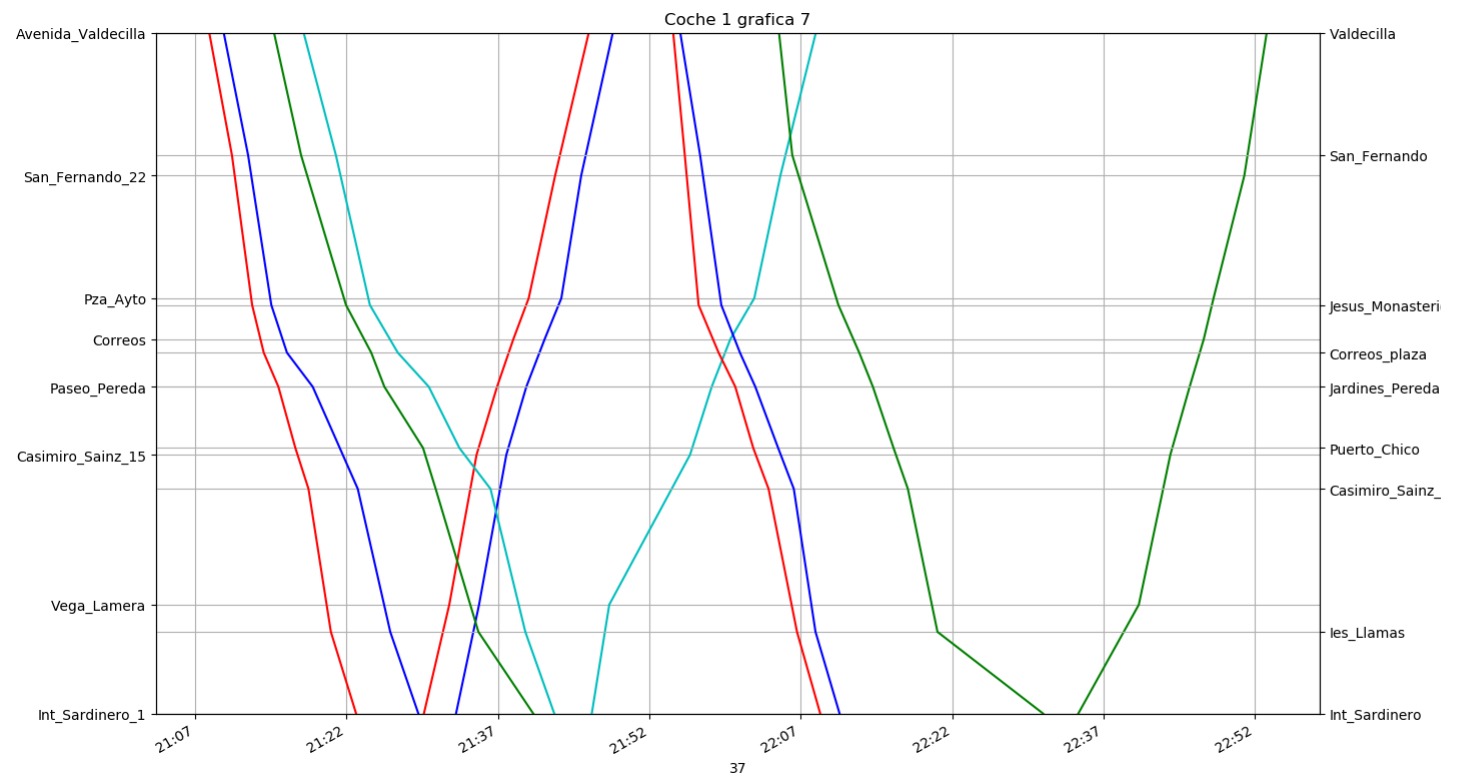
Coche 1 grafica 6

Gráfico evolución:



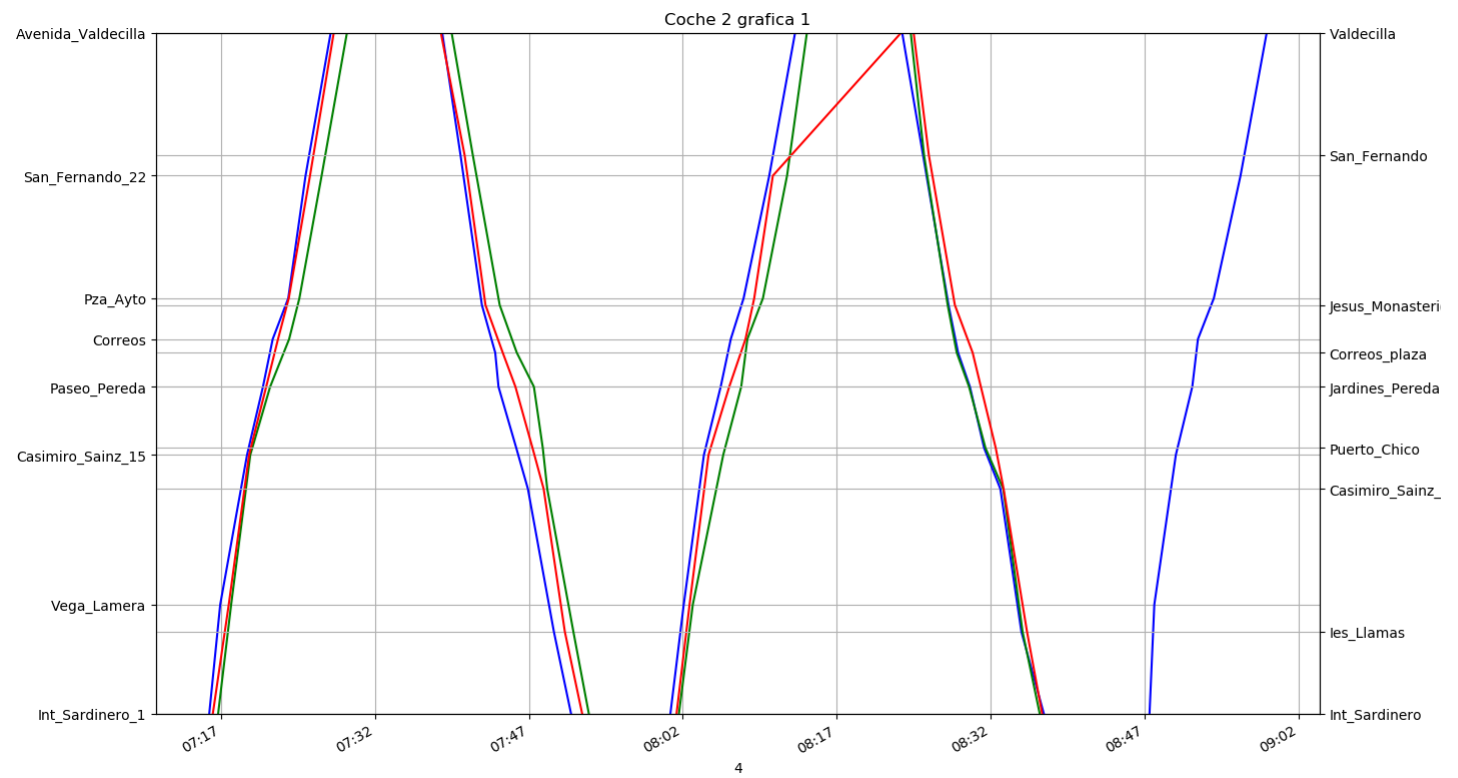
Coche 1 grafica 7

Gráfico evolución:



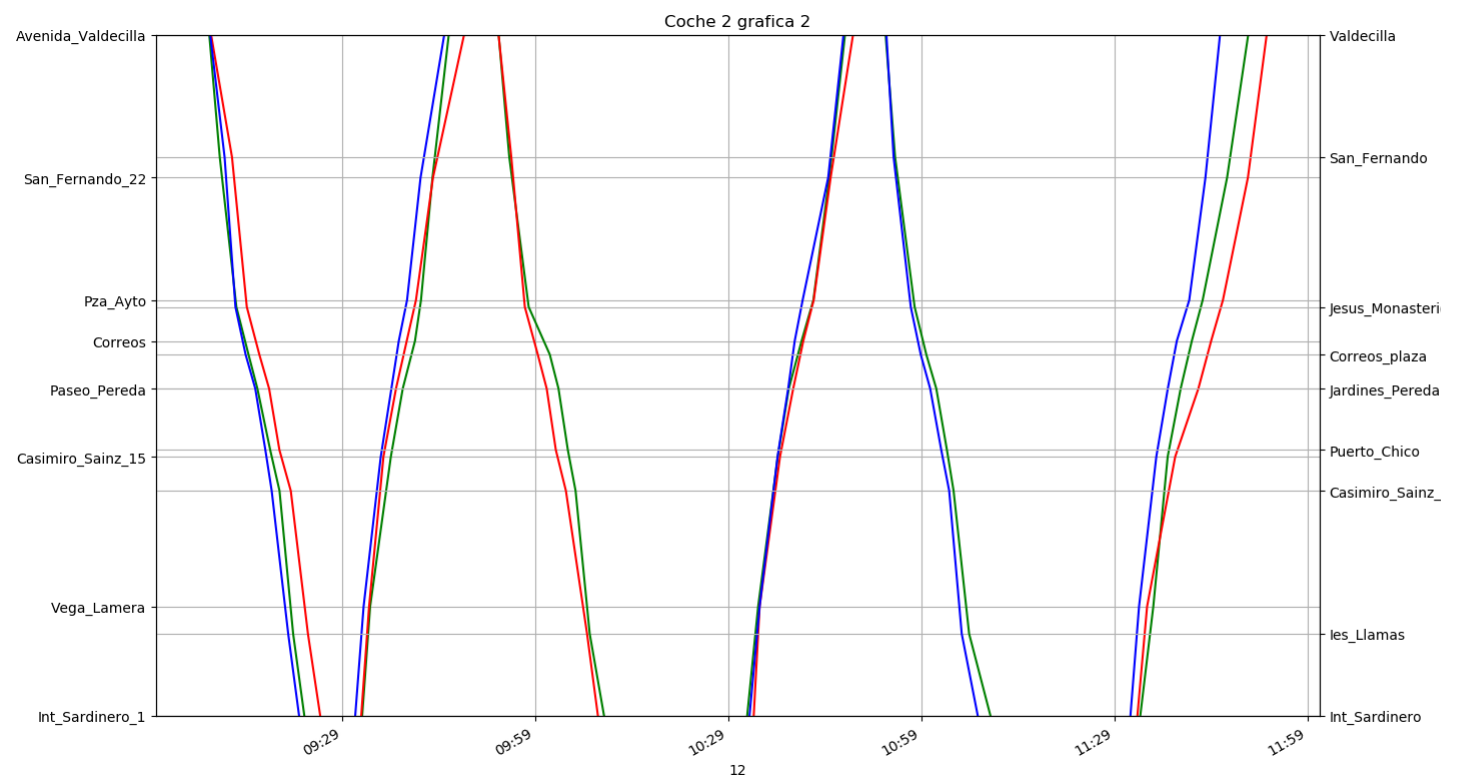
Coche 2 grafica 1

Gráfico evolución:



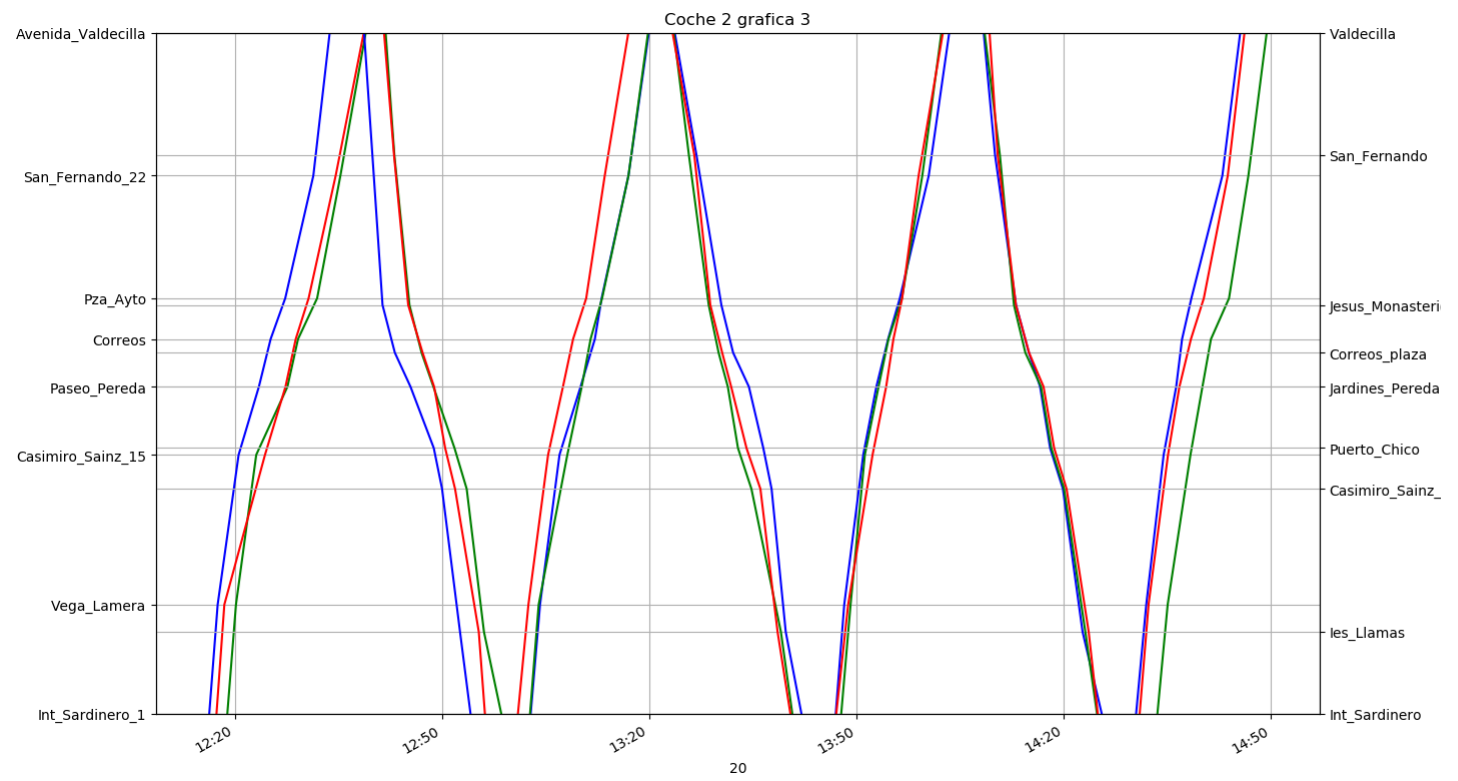
Coche 2 grafica 2

Gráfico evolución:



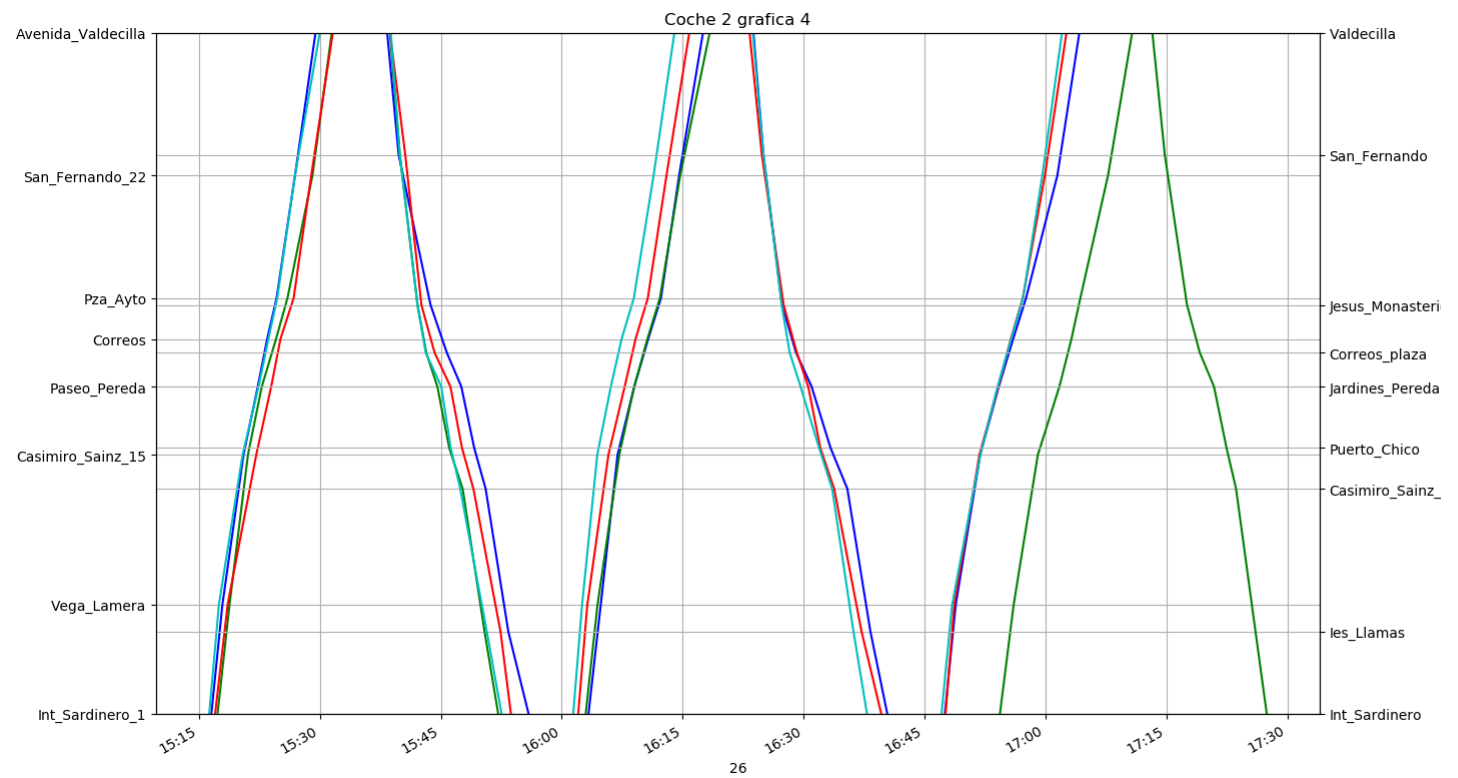
Coche 2 grafica 3

Gráfico evolución:



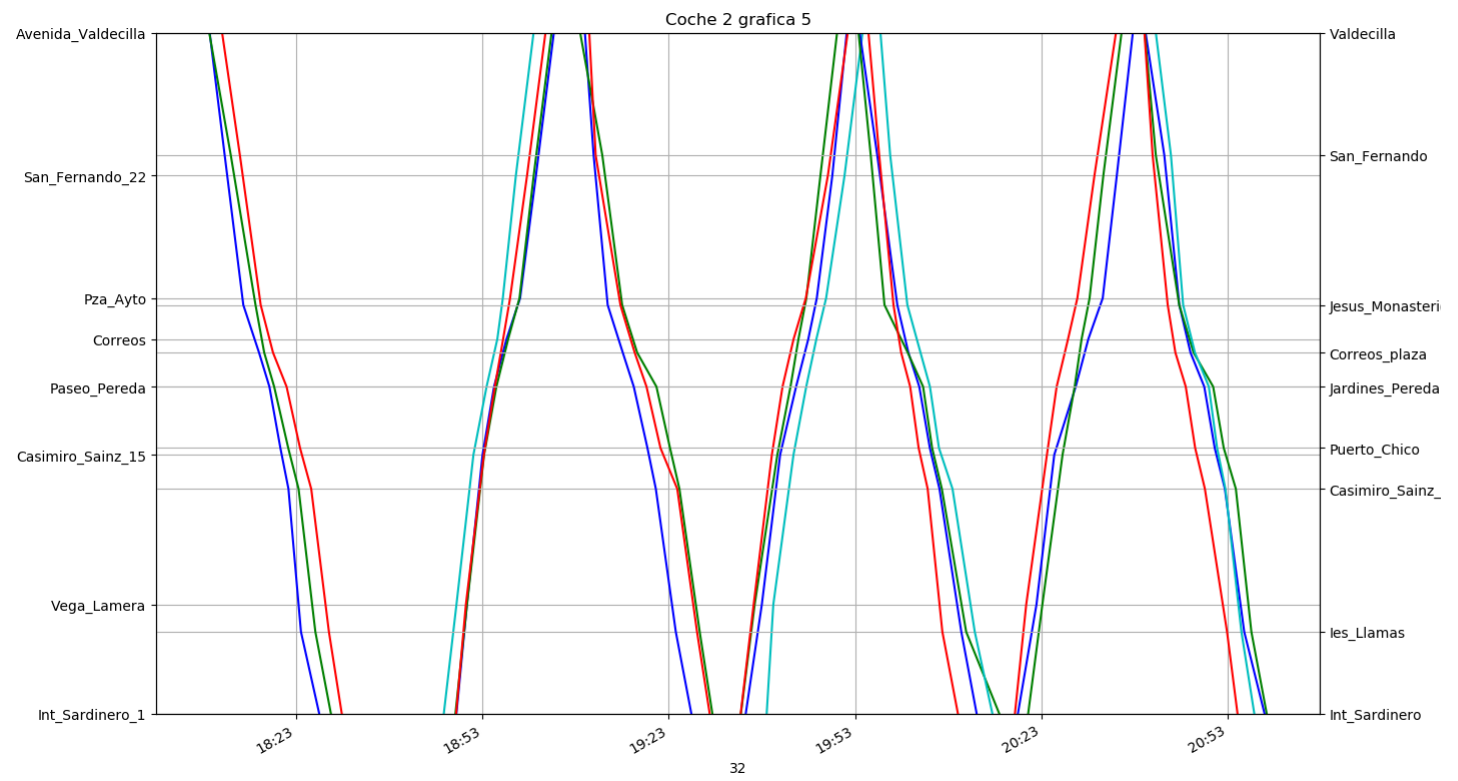
Coche 2 grafica 4

Gráfico evolución:



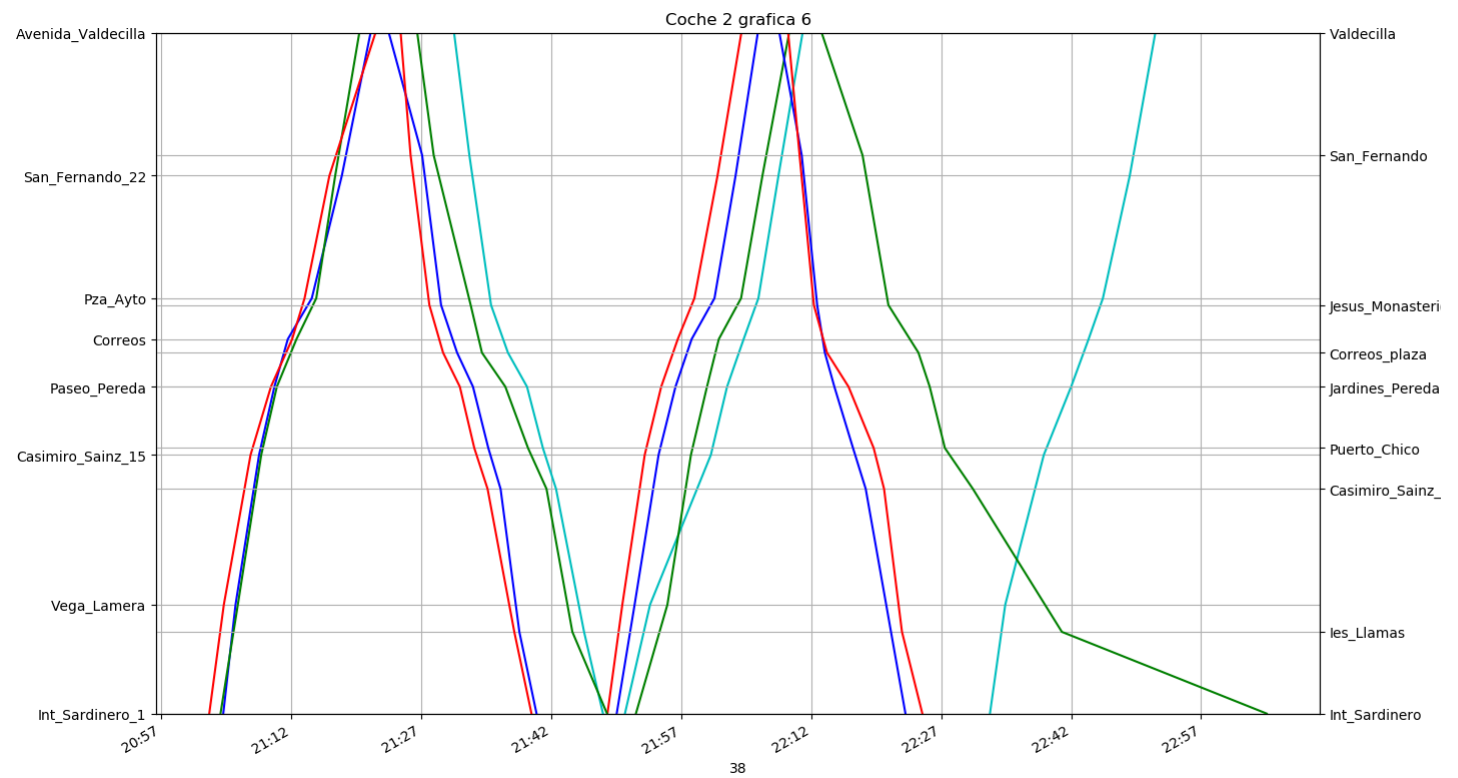
Coche 2 grafica 5

Gráfico evolución:



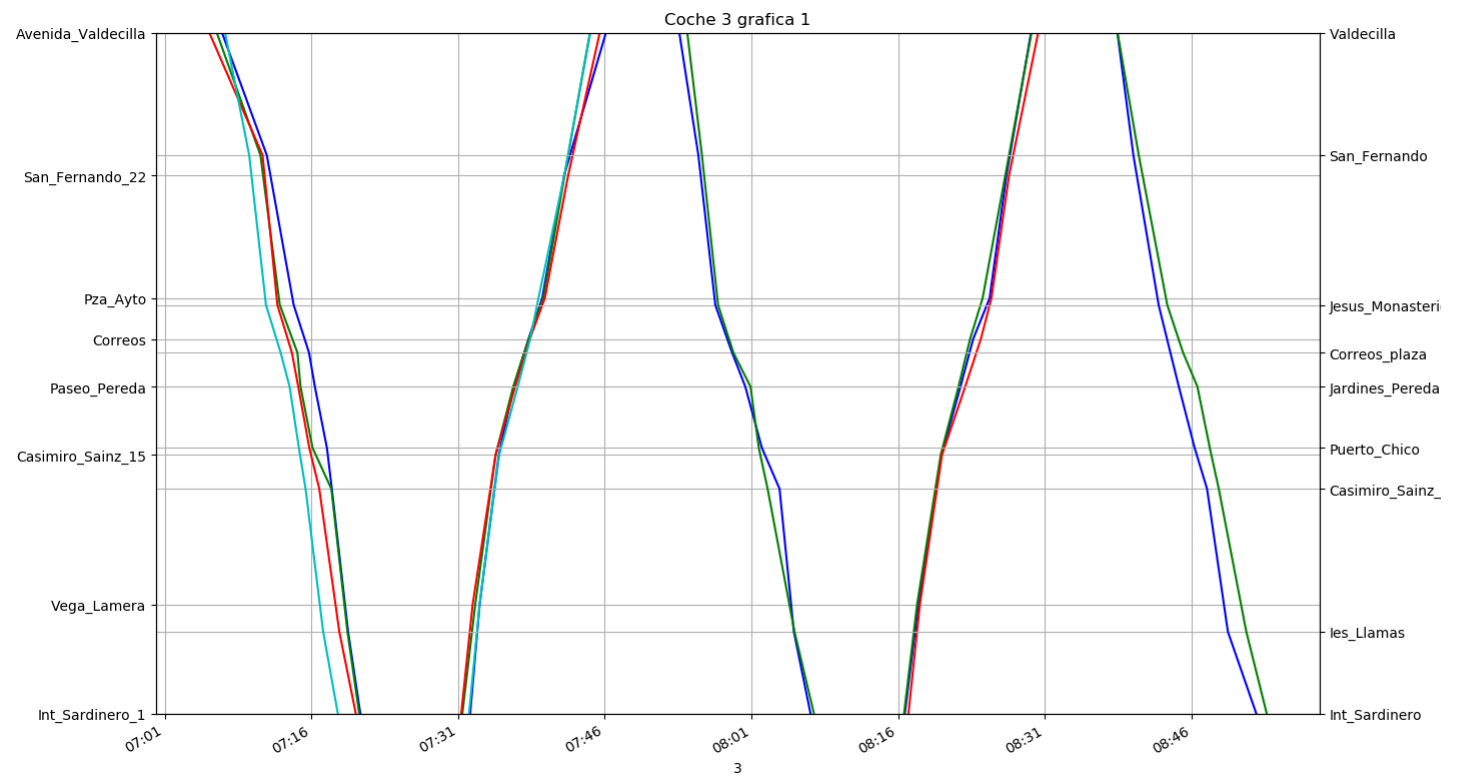
Coche 2 grafica 6

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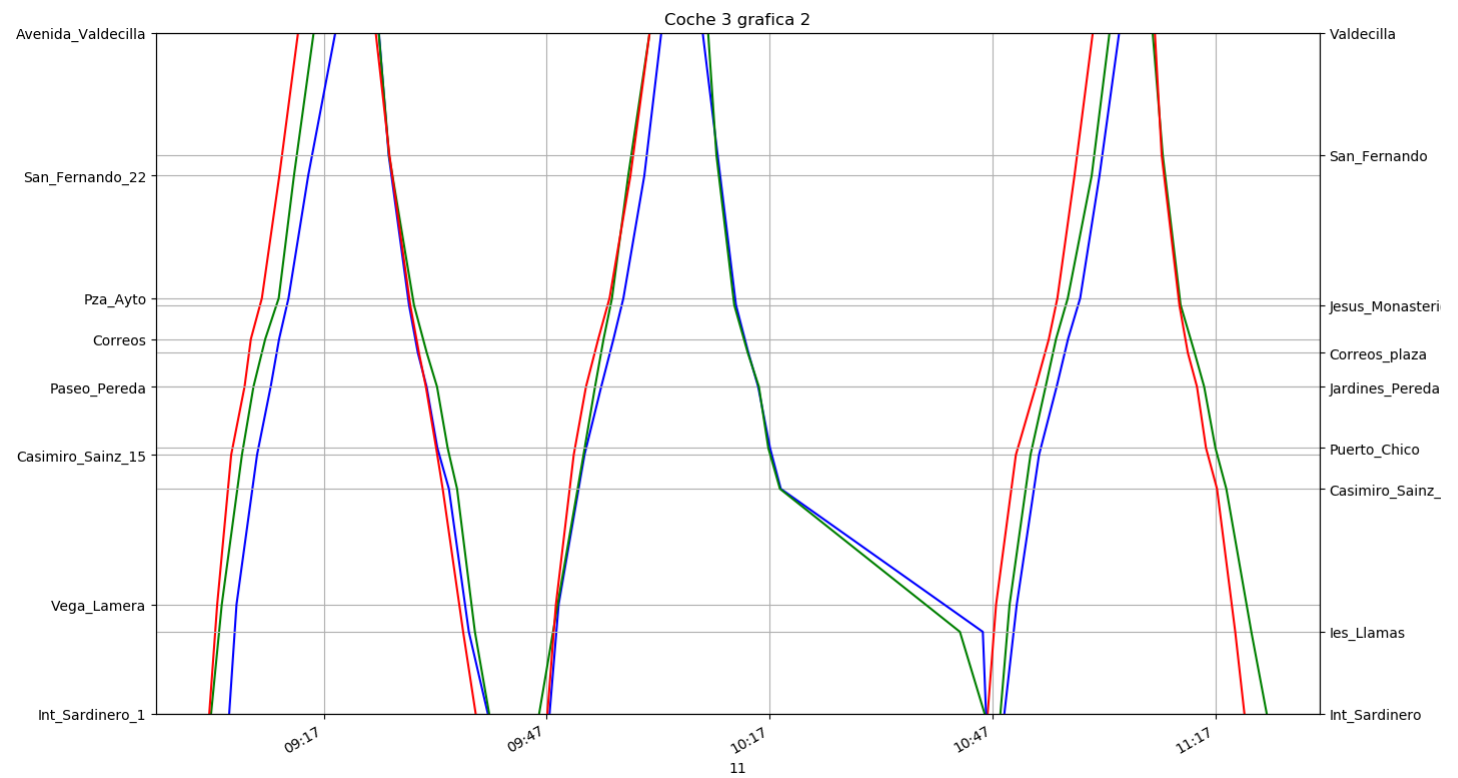
Coche 3 grafica 1

Gráfico evolución:



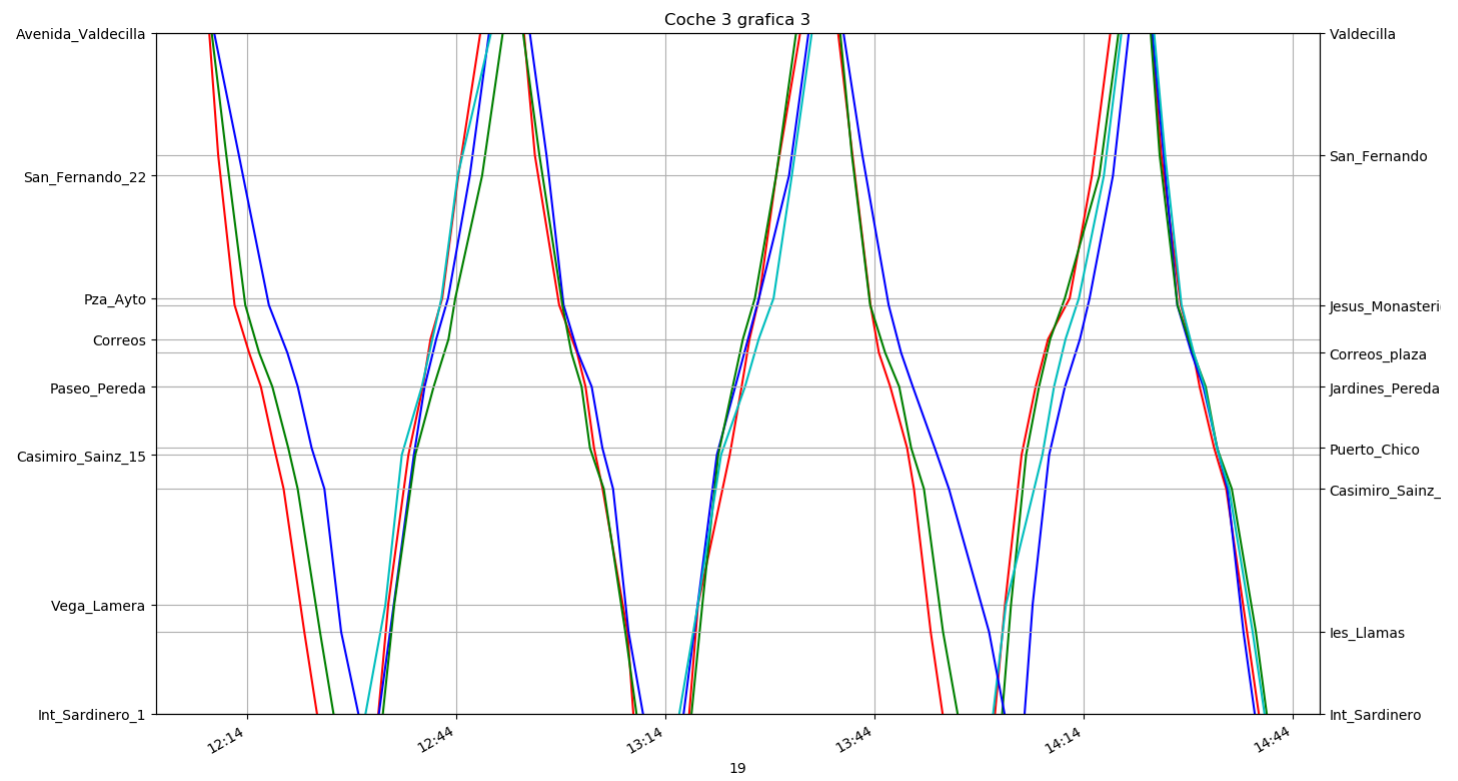
Coche 3 grafica 2

Gráfico evolución:



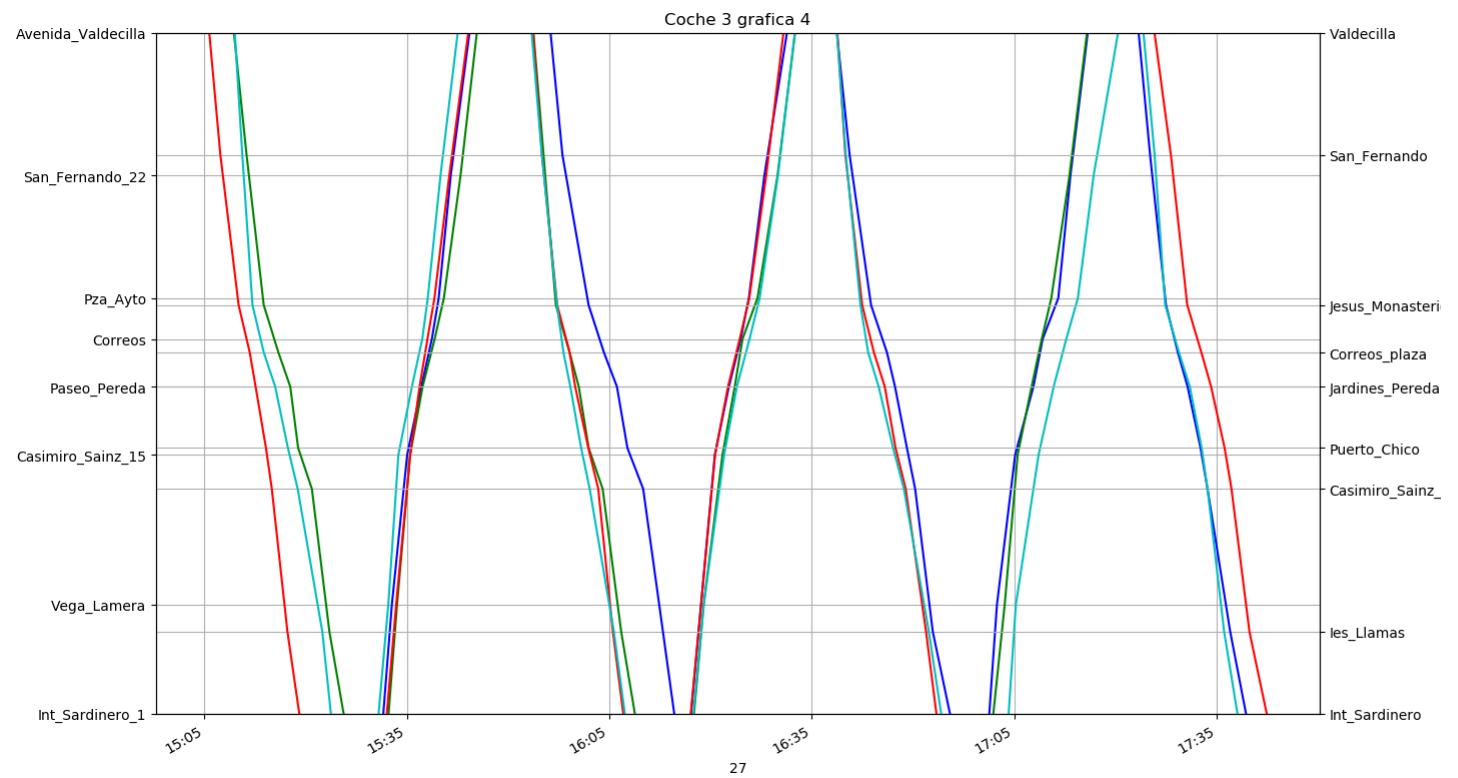
Coche 3 grafica 3

Gráfico evolución:



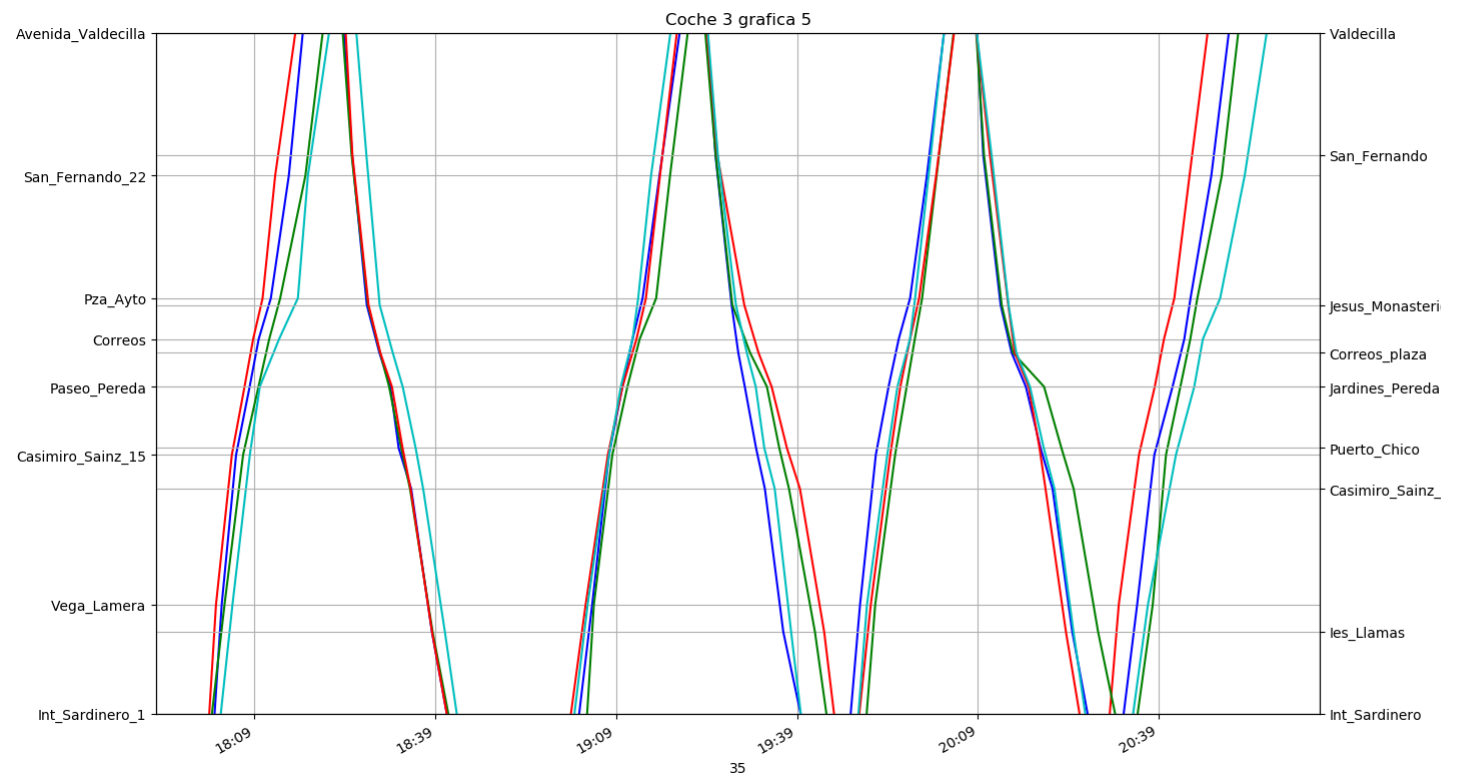
Coche 3 grafica 4

Gráfico evolución:



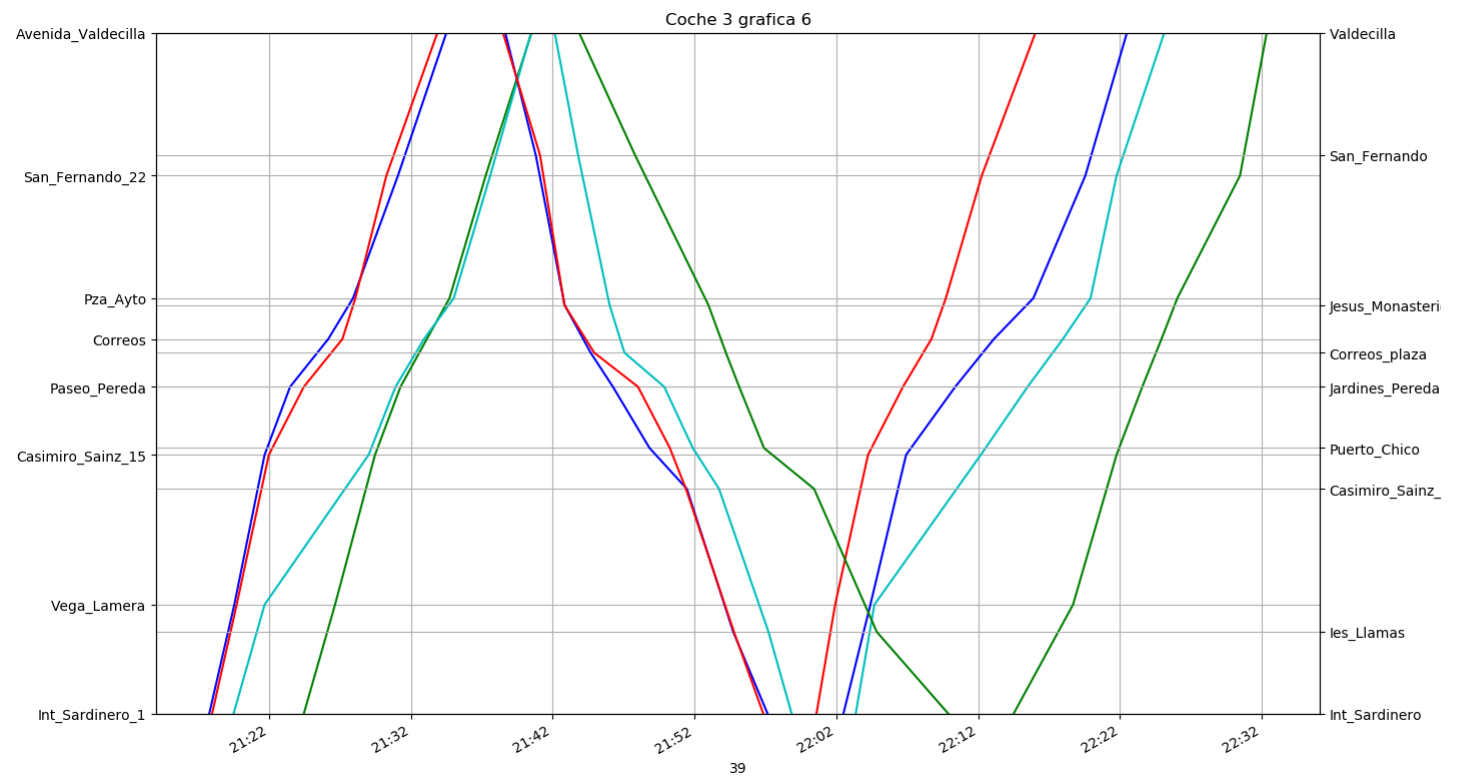
Coche 3 grafica 5

Gráfico evolución:



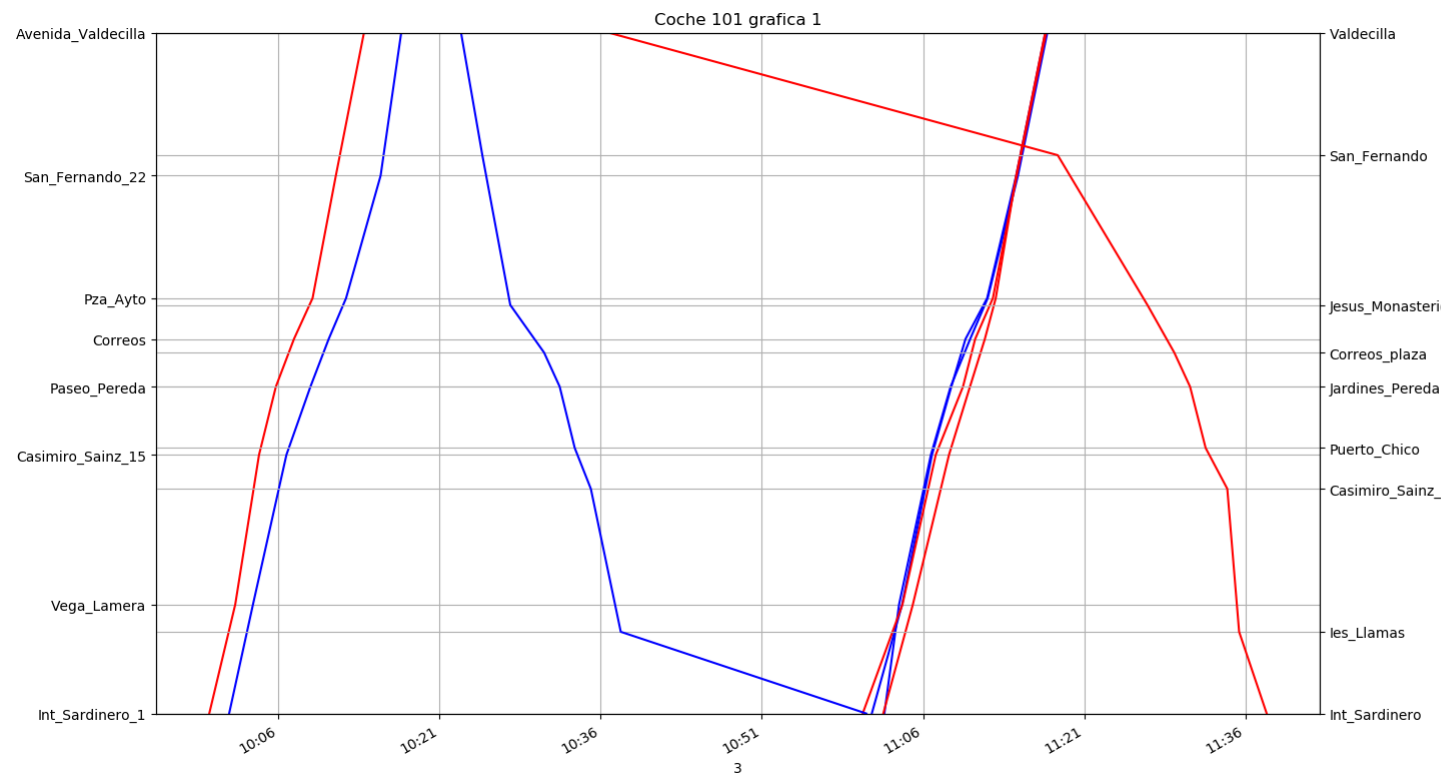
Coche 3 grafica 6

Gráfico evolución:



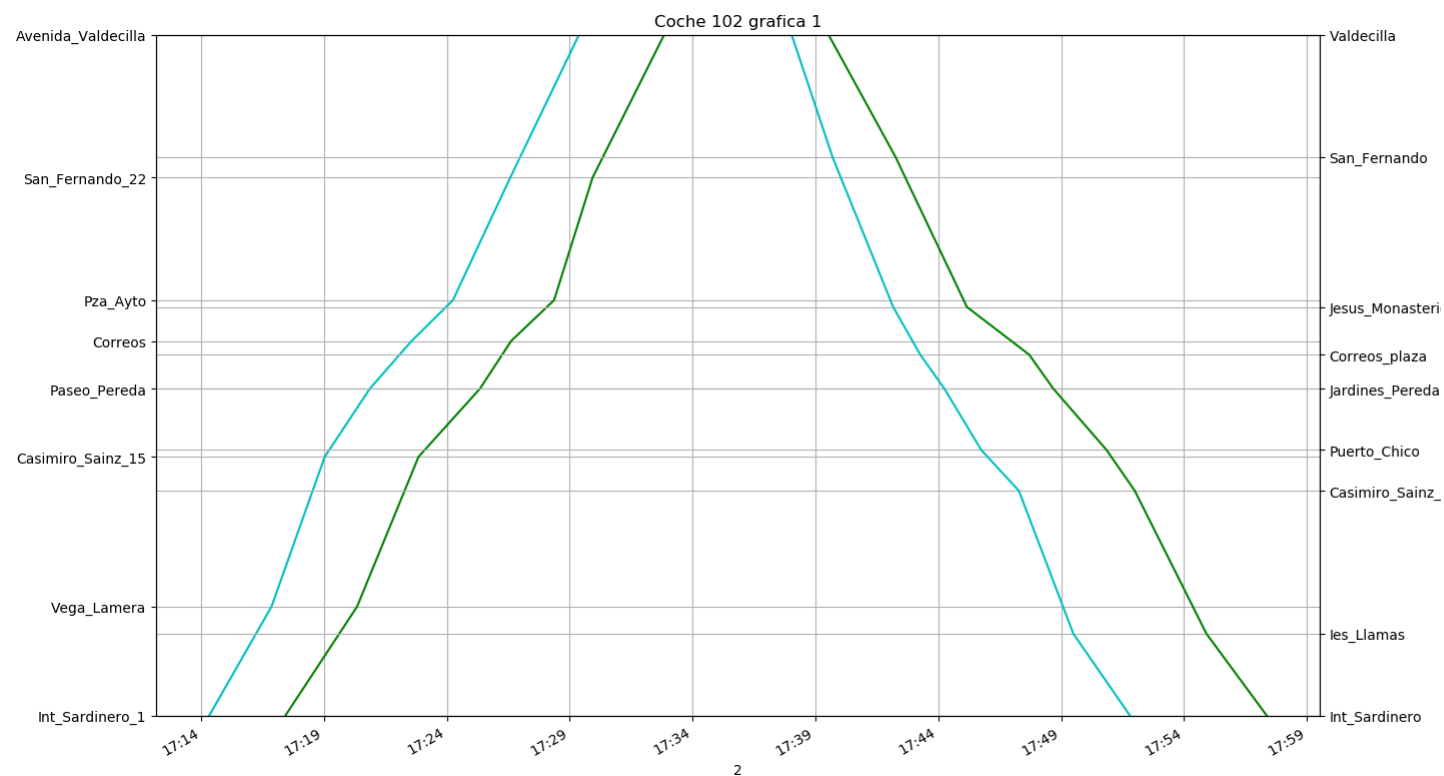
Coche 101 grafica 1

Gráfico evolución:



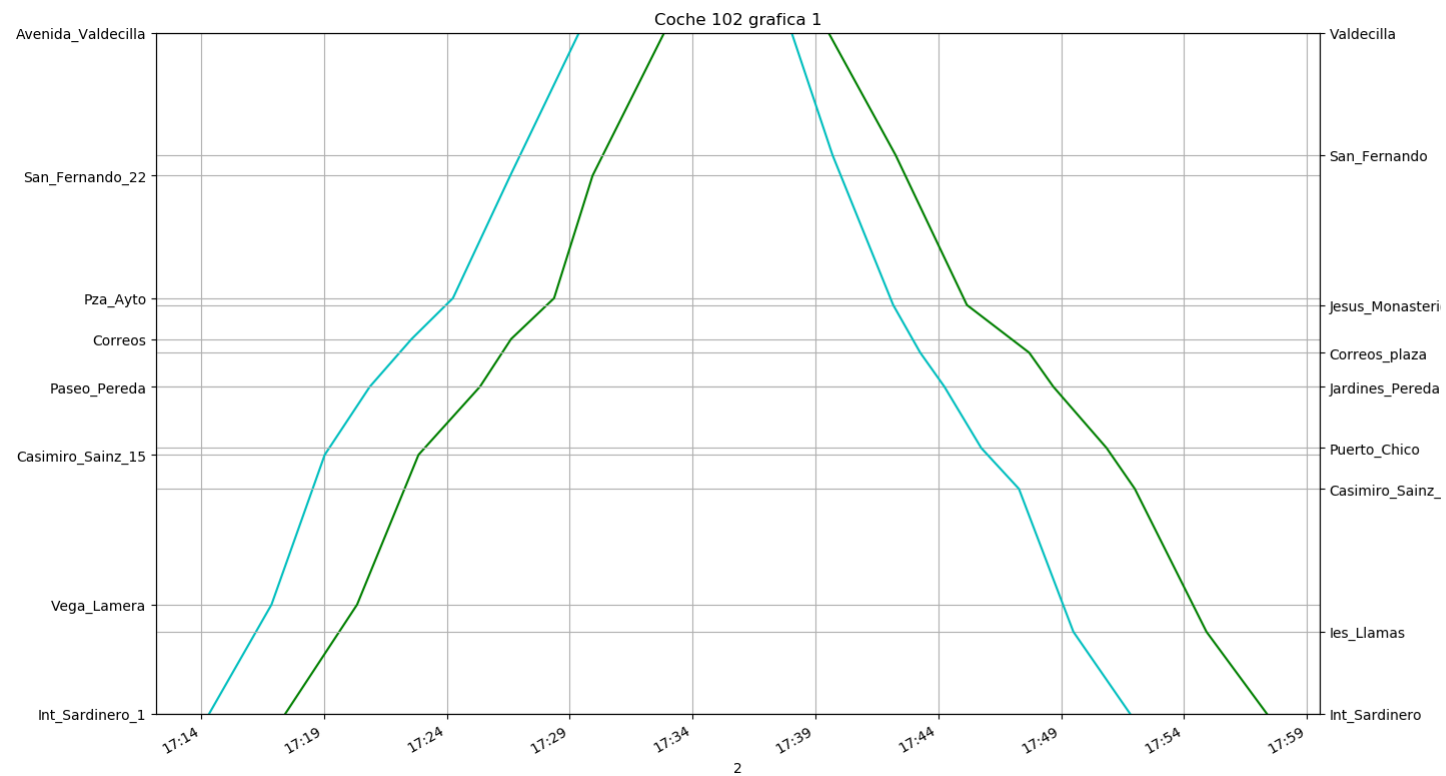
Coche 102 grafica 1

Gráfico evolución:



Coche 102 grafica 1

Gráfico evolución:



Coche 102 grafica 1

Gráfico evolución:

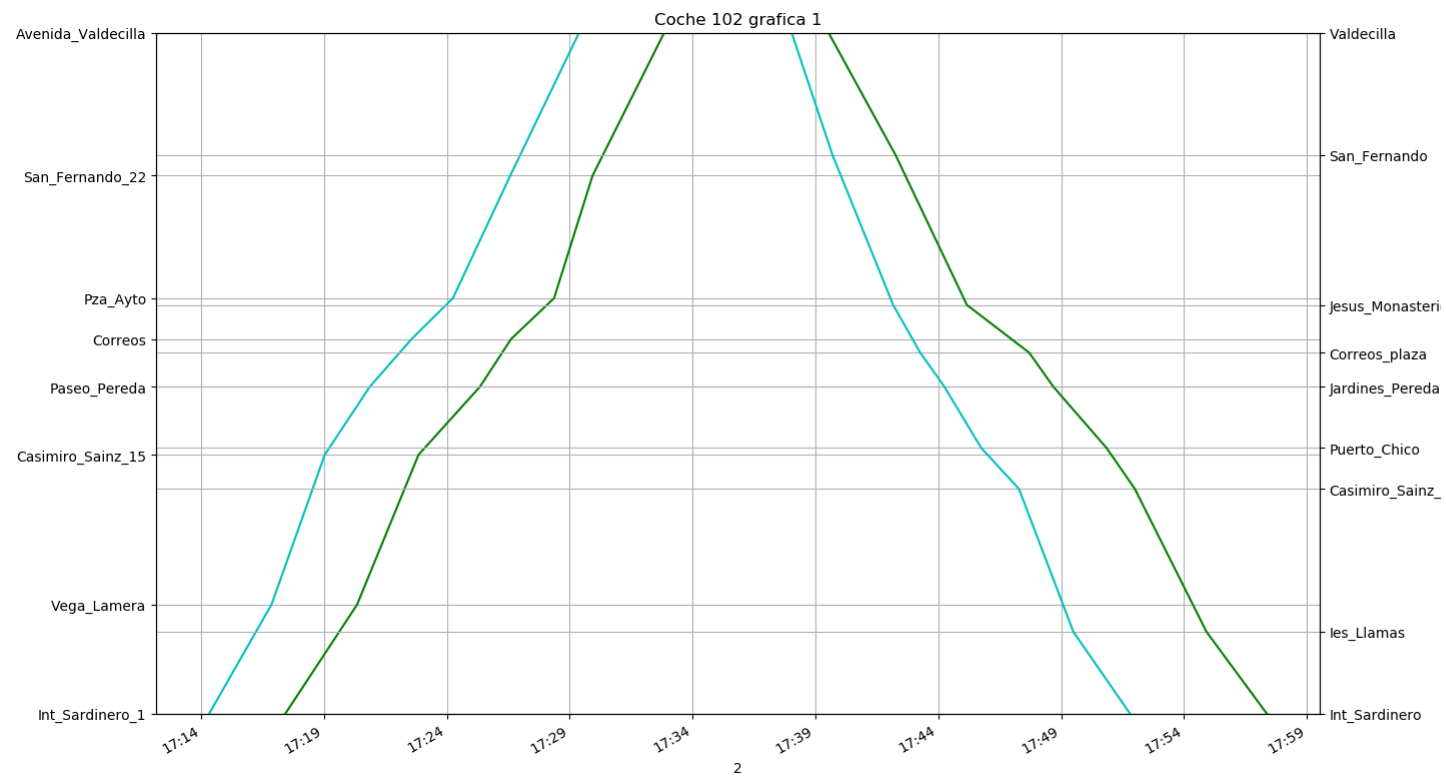


Tabla resumen velocidades y tiempos

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
0	Sardinero_Valdecilla	9	16.716667	17.587238	NaN	NaN
0	Sardinero_Valdecilla	11	19.200000	15.316666	0.447834	0.357257
0	Sardinero_Valdecilla	13	22.541667	13.152176	2.910923	1.698409
0	Sardinero_Valdecilla	15	17.800000	16.607724	1.862048	1.737325
0	Sardinero_Valdecilla	17	16.366667	18.125911	2.192031	2.427651
0	Sardinero_Valdecilla	19	18.300000	16.080099	0.777817	0.683463
0	Sardinero_Valdecilla	21	15.000000	19.600000	NaN	NaN
0	Sardinero_Valdecilla	23	16.691667	17.719690	1.826693	1.939197

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
0	Sardinero_Valdecilla	25	15.166667	19.384615	NaN	NaN
0	Sardinero_Valdecilla	27	19.000000	15.473684	NaN	NaN
0	Sardinero_Valdecilla	29	17.258333	17.072702	1.143156	1.130860
0	Sardinero_Valdecilla	31	18.100000	16.598900	3.747666	3.436858
0	Sardinero_Valdecilla	33	20.366667	14.454954	1.060660	0.752789
0	Sardinero_Valdecilla	37	17.300000	16.994220	NaN	NaN
0	Sardinero_Valdecilla	39	20.200000	14.554455	NaN	NaN
1	Valdecilla_Sardinero	2	18.104167	17.016284	4.510469	4.170479
1	Sardinero_Valdecilla	3	12.166667	24.237294	0.816667	1.630557
1	Valdecilla_Sardinero	4	13.425000	21.923169	0.624611	1.019996
1	Sardinero_Valdecilla	5	13.570833	21.884438	1.653525	2.413466
1	Sardinero_Valdecilla	7	14.191667	21.084912	2.183715	3.220163
1	Valdecilla_Sardinero	8	16.216667	18.129496	NaN	NaN
1	Sardinero_Valdecilla	9	14.441667	20.362704	0.318198	0.448658
1	Valdecilla_Sardinero	10	16.850000	17.511174	1.212894	1.314971
1	Sardinero_Valdecilla	11	16.405556	17.969154	1.048588	1.136448
1	Valdecilla_Sardinero	12	17.905556	16.427674	0.488004	0.450726
1	Sardinero_Valdecilla	13	18.983333	15.654187	2.427333	1.962984
1	Valdecilla_Sardinero	14	15.466667	19.138477	1.515567	1.987811
1	Sardinero_Valdecilla	15	16.950000	17.491400	2.192031	2.262047
1	Valdecilla_Sardinero	16	16.944444	17.488003	1.855497	1.882566
1	Sardinero_Valdecilla	17	17.338889	17.092932	1.960324	1.815433
1	Valdecilla_Sardinero	18	16.761111	17.760568	2.370732	2.333617
1	Sardinero_Valdecilla	19	16.687500	17.728346	1.515987	1.621890
1	Valdecilla_Sardinero	20	16.470833	17.907268	1.091836	1.158337
1	Sardinero_Valdecilla	21	13.450000	21.942817	0.931645	1.619095
1	Valdecilla_Sardinero	22	16.025000	18.567465	1.949573	2.431650
1	Sardinero_Valdecilla	23	15.527778	19.605490	3.520035	4.482986
1	Valdecilla_Sardinero	24	15.366667	19.247427	1.390910	1.697305
1	Sardinero_Valdecilla	25	14.045833	21.042036	1.225680	1.689355
1	Valdecilla_Sardinero	26	19.366667	16.368354	7.377481	6.235312
1	Sardinero_Valdecilla	27	18.175000	16.201835	0.828039	0.754399
1	Sardinero_Valdecilla	29	15.841667	18.592151	0.777758	0.909856
1	Valdecilla_Sardinero	30	19.162500	15.438580	1.723389	1.428883
1	Sardinero_Valdecilla	31	17.300000	17.007229	0.589491	0.572758
1	Valdecilla_Sardinero	32	17.066667	17.294605	1.216172	1.274954
1	Sardinero_Valdecilla	33	17.245833	17.049801	0.227862	0.222563
1	Valdecilla_Sardinero	34	20.591667	14.408092	2.267749	1.580382
1	Valdecilla_Sardinero	36	21.087500	14.684638	5.200861	4.057201
1	Sardinero_Valdecilla	37	18.022222	16.723427	3.640106	3.049362
1	Valdecilla_Sardinero	38	18.838889	16.681993	6.375133	4.780375
1	Sardinero_Valdecilla	39	18.666667	15.750000	NaN	NaN
2	Sardinero_Valdecilla	2	12.400000	23.776929	0.772802	1.439593
2	Valdecilla_Sardinero	3	13.227778	22.259080	0.620111	1.060141
2	Sardinero_Valdecilla	4	15.500000	20.405100	5.530396	6.044204
2	Valdecilla_Sardinero	5	12.961111	22.729418	0.726929	1.235032
2	Sardinero_Valdecilla	6	11.416667	25.751825	NaN	NaN
2	Valdecilla_Sardinero	7	15.172222	19.519729	1.613686	2.008210
2	Sardinero_Valdecilla	8	15.066667	19.700007	1.704189	2.203442
2	Valdecilla_Sardinero	9	15.900000	18.506508	0.659966	0.768155
2	Sardinero_Valdecilla	10	15.558333	18.955721	1.023203	1.199227
2	Valdecilla_Sardinero	11	15.233333	19.391913	1.484924	1.890297
2	Sardinero_Valdecilla	12	16.922222	17.766515	3.086275	3.249575
2	Sardinero_Valdecilla	14	19.195833	15.416286	1.801459	1.428809
2	Valdecilla_Sardinero	15	15.577778	18.932539	1.077721	1.290939
2	Sardinero_Valdecilla	16	17.541667	16.874225	1.720169	1.554740
2	Valdecilla_Sardinero	17	17.511111	16.807541	0.713819	0.669748
2	Sardinero_Valdecilla	18	16.591667	17.979001	2.405453	2.393157
2	Valdecilla_Sardinero	19	16.338889	18.016495	0.711089	0.779680
2	Sardinero_Valdecilla	20	15.833333	18.624121	1.022252	1.150895
2	Sardinero_Valdecilla	22	13.850000	21.271249	0.719182	1.125734
2	Valdecilla_Sardinero	23	14.920833	19.922218	1.871194	2.325423
2	Sardinero_Valdecilla	24	13.979167	21.143055	1.169233	1.785832
2	Valdecilla_Sardinero	25	15.700000	18.821262	1.334583	1.679120
2	Sardinero_Valdecilla	26	15.758333	18.703690	0.912110	1.080324
2	Valdecilla_Sardinero	27	14.183333	20.728555	NaN	NaN
2	Valdecilla_Sardinero	29	18.827778	15.648416	1.046467	0.895824
2	Sardinero_Valdecilla	30	15.000000	19.630130	0.679052	0.887450
2	Valdecilla_Sardinero	31	19.266667	15.380276	2.077458	1.683055
2	Sardinero_Valdecilla	32	16.100000	18.297526	0.842945	0.933878
2	Valdecilla_Sardinero	33	18.470833	16.334867	3.384424	3.077895
2	Sardinero_Valdecilla	34	16.600000	17.840734	1.757207	1.843405
2	Valdecilla_Sardinero	35	17.404167	17.124428	2.330450	2.311409
2	Sardinero_Valdecilla	36	17.400000	16.991934	1.620785	1.537474
2	Valdecilla_Sardinero	37	17.808333	16.811965	2.889204	2.504315
2	Sardinero_Valdecilla	38	17.479167	17.012921	2.214697	2.036182
2	Valdecilla_Sardinero	39	27.127778	14.973253	20.982250	8.031986
2	Sardinero_Valdecilla	40	19.083333	15.406114	NaN	NaN
3	Valdecilla_Sardinero	2	13.808333	21.518396	1.554355	2.690320
3	Sardinero_Valdecilla	3	13.375000	22.041956	0.804444	1.345223
3	Valdecilla_Sardinero	4	13.183333	22.307873	0.329983	0.558373
3	Sardinero_Valdecilla	5	13.066667	22.503015	0.185592	0.318468
3	Valdecilla_Sardinero	6	14.725000	19.991457	0.742462	1.008007
3	Sardinero_Valdecilla	7	14.258333	20.946102	2.086131	2.998121
3	Valdecilla_Sardinero	8	14.322222	20.567593	0.763096	1.127685
3	Sardinero_Valdecilla	9	15.166667	19.495594	1.345225	1.672282
3	Valdecilla_Sardinero	10	37.666667	7.806508	0.659966	0.136780
3	Sardinero_Valdecilla	11	15.320833	19.280833	1.240100	1.505593

coche	sentido	viaje	media tiempo viaje (minutos)	media velocidad comercial (km/h)	desviación tiempo viaje	desviación velocidad comercial
3	Valdecilla_Sardiner	12	13.700000	21.775717	2.333452	3.708949
3	Valdecilla_Sardiner	14	17.866667	16.691844	2.639497	2.410452
3	Sardiner_Valdecilla	15	16.408333	18.031267	1.492295	1.667175
3	Valdecilla_Sardiner	16	16.061111	18.310223	0.327589	0.377863
3	Sardiner_Valdecilla	17	16.958333	17.488548	1.826376	1.883993
3	Valdecilla_Sardiner	18	18.305556	16.604807	4.253898	3.526901
3	Sardiner_Valdecilla	19	16.645833	17.757635	1.409910	1.508273
3	Valdecilla_Sardiner	20	15.641667	18.834186	0.814282	0.980108
3	Valdecilla_Sardiner	22	14.605556	20.266015	1.493535	2.007422
3	Sardiner_Valdecilla	23	12.404167	23.746456	0.620987	1.192012
3	Valdecilla_Sardiner	24	15.120833	19.739005	2.243855	2.664087
3	Sardiner_Valdecilla	25	14.479167	20.333473	0.622030	0.882758
3	Valdecilla_Sardiner	26	15.616667	18.882456	1.053697	1.254991
3	Sardiner_Valdecilla	27	14.883333	19.836690	1.195245	1.552347
3	Valdecilla_Sardiner	28	15.477778	19.103131	1.398644	1.796450
3	Sardiner_Valdecilla	29	16.308333	18.265159	2.147716	2.405885
3	Valdecilla_Sardiner	30	17.000000	17.300917	0.391105	0.394091
3	Sardiner_Valdecilla	31	16.708333	17.617456	0.674743	0.708509
3	Valdecilla_Sardiner	32	17.991667	16.686584	2.999460	2.766170
3	Sardiner_Valdecilla	33	14.950000	19.704009	0.762549	1.005392
3	Valdecilla_Sardiner	34	19.120833	15.578056	2.660944	1.940243
3	Sardiner_Valdecilla	35	18.125000	16.467661	2.728604	2.190571
3	Sardiner_Valdecilla	37	17.404167	17.109305	2.402135	2.096067
3	Valdecilla_Sardiner	38	19.887500	15.208315	4.165830	2.718047
3	Sardiner_Valdecilla	39	18.750000	15.941290	2.730181	2.404529
101	Sardiner_Valdecilla	1	14.761111	19.991490	1.119565	1.469889
101	Sardiner_Valdecilla	2	17.066667	17.226562	NaN	NaN
101	Valdecilla_Sardiner	2	37.716667	7.794962	NaN	NaN
101	Sardiner_Valdecilla	3	16.638889	17.813178	1.865352	1.925704
101	Valdecilla_Sardiner	3	61.250000	4.800000	NaN	NaN
101	Sardiner_Valdecilla	4	15.166667	19.384615	NaN	NaN
102	Sardiner_Valdecilla	2	15.572222	18.899154	0.614938	0.736354
102	Valdecilla_Sardiner	3	15.961111	18.632395	2.052392	2.485741
102	Sardiner_Valdecilla	4	17.616667	16.739208	1.145604	1.035300