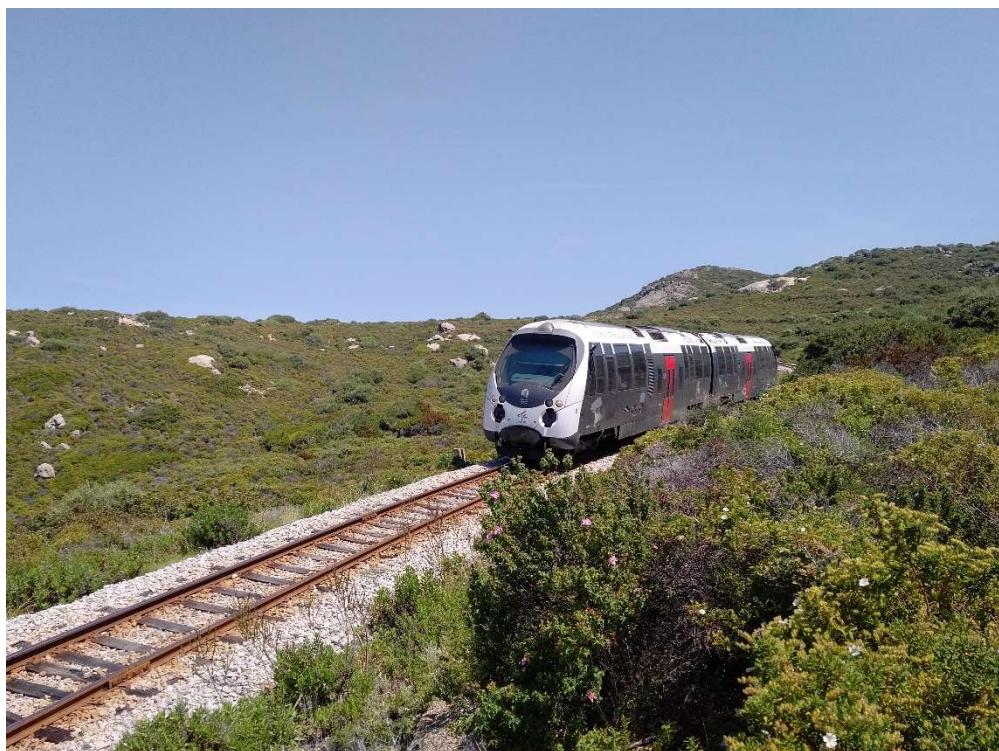


FBS timetables for the Corsican railway network

Creation of graphic timetables and other timetables documents

– an example –



So macht man Fahrpläne!

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The Corsican railway network

In the year 1855, the creation of a railway network in Corsica is first mentioned, to make the link between France and Algeria easier and shorter, with two lines in Corsica and Sardinia. After several projects and lines proposed, 3 lines are finally validated for the future network:

- The line called « central line », between Bastia and Ajaccio, by the centre of Corsica, Ponte-Leccia and Corte;
- The line called « oriental coast line » between Cazamozza on the central line, and Porto-Vecchio and Bonifacio in the south, by the east coast of Corsica;
- The line called « Balagne line », from Ponte-Leccia on the central line, to Calvi by the town of Ile-Rousse.

Two first sections of the two first lines are opened in February, 1st 1888, and the network is fully operational in September 1935. Nevertheless, at the end of World War Two, the oriental coast line is too damaged, and it will be definitively closed in 1953. Today, only two lines remain and form a « Y » shape, for a total length of 232 kilometres.

Entirely in single-track, metric gauge without electrification, the network has 23 stations and 40 stops points. Unlike the network in France, it belongs directly to Corsica authority, instead of SNCF Réseau. In the same way, the trains were operated by SNCF Voyageurs between 1981 et 2011, but are today operated by a private Corsican company.

With a difficult itinerary, short curves and high slopes, the maximal speed of the trains remains slow: 4h are necessary for the full 158-kilometres journey between Bastia and Ajaccio, for an average speed of 40 kilometres per hour. That is why the Corsicans have named their train “The small train” (« u Trinichellu » in Corsican).

Without any modification since 1953, the network was threatened with closure several times, due to the lack of maintenance, but was always supported by the local inhabitants. It is today equipped with a simplified light signal system, modern AMG800 vehicles and is operated the whole year. A few extensions projects are also proposed or studied (for example a extend in the Ajaccio city centre, or a partial reopen of the oriental coast line to Folelli), without any realisation date today.



Ile Rousse station, with the simplified signal system, a unique signal used for 3 tracks

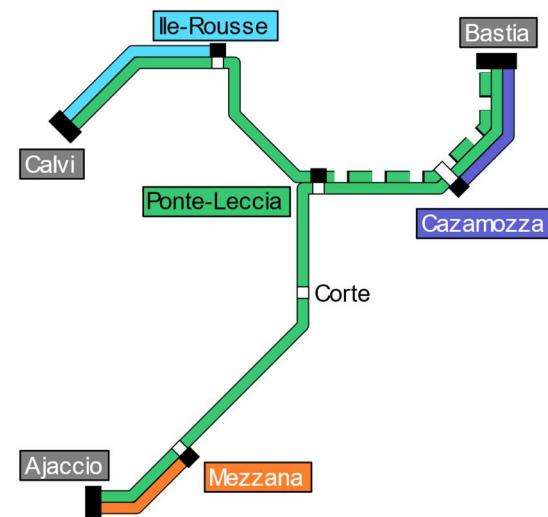


Train AMG800, on the Ponte Novu bridge.

The train operation is organized with several relations, as shown in the following map:

Two « Intercity » relations without changes link Bastia with Ajaccio (with 5 trains per day and direction plus 1 train per day and direction between Bastia and Corte) and Ponte-Leccia with Calvi (with 2 trains per day and direction, with one which starts from Bastia). The timetables are also fully organized to permit journeys between Ajaccio or Bastia and Calvi, with a good connection in Ponte-Leccia.

In addition of that, around the 3 ends of the lines, there are 3 suburban relations, between Ajaccio and Mezzana (8 trains per day and direction), Bastia and Cazamozza (16 trains per day and direction) and Calvi and Ile-Rousse (5 trains per day and direction). This last relation is also named “Balagne Tramway”.



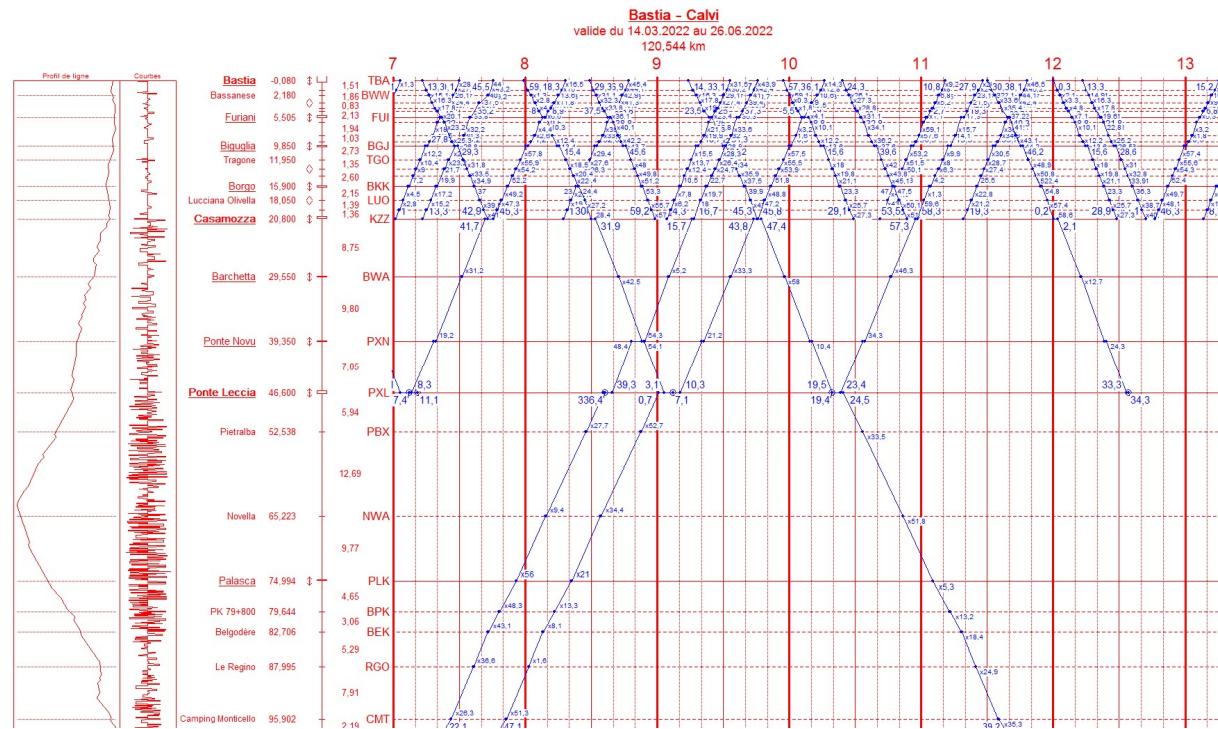
The same way as Thailand network (also available as example in English on the website irfp.de/en) the infrastructure data required in FBS for the run times calculations (slopes, curves, kilometric points) were obtained by geographic data conversion from the website OpenStreetMap.

A lot of stops points (and small stations) are « on demand » stops. That's has 2 consequences: the first on the information for passengers (which must be informed before their trip), the second on the run times calculations (a lot of on demand stops can minimize the global stop time, with the possibility of not stopping at all the stop points). It is naturally possible (and necessary) to declare theses stops as on demand in FBS, along with a regular stopping time shorter as standard (here equal to 0.2 minutes, being 12 seconds).



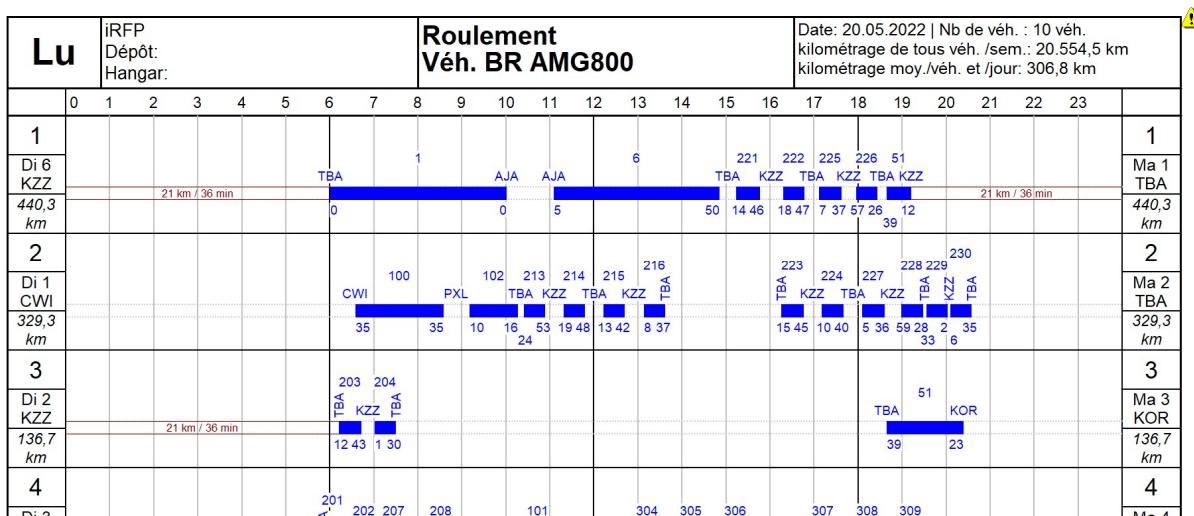
Unique platform of the Giorgio stop point

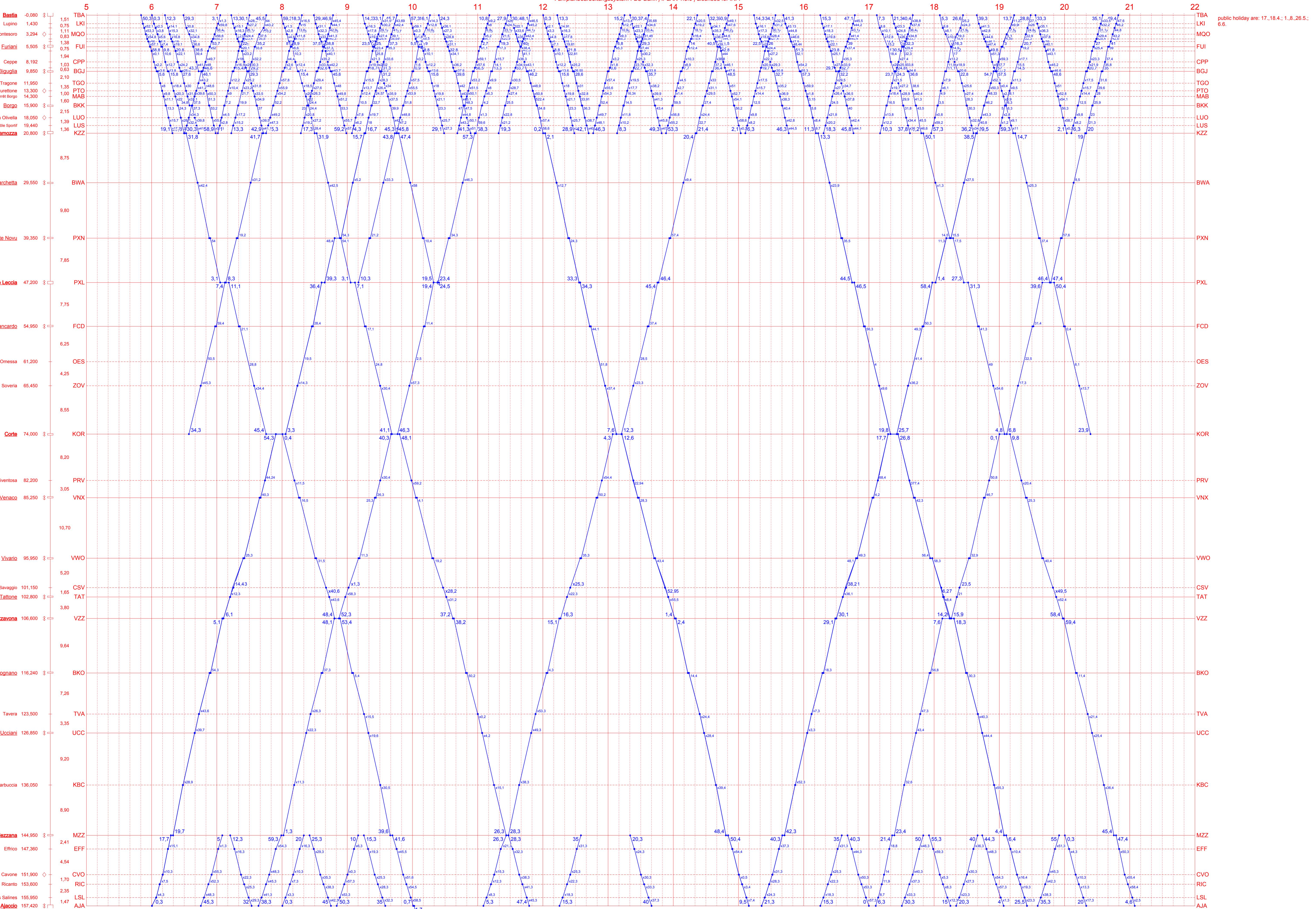
After the conception of the graphic timetables, (produced from the timetables provided by the Corsican railways), it's possible to create in FBS various timetable documents, either for the company or the passengers.
When the line slopes and curves are displayed, we easily notice the mountainous and sinuous aspect of the Corsican network.



On the next page, there is an example from customer's timetable, where we can notice the names of the stations, either French or Corsican, and the on-demand stops, marked with a little cross direct links from the stop times. It's also easy for the travellers to identify the possible connections, especially in Ponte-Leccia, with little arrows highlighting them.
The different fares zones on the Balagne line are also easily noticeable, with the colours in the timetable.

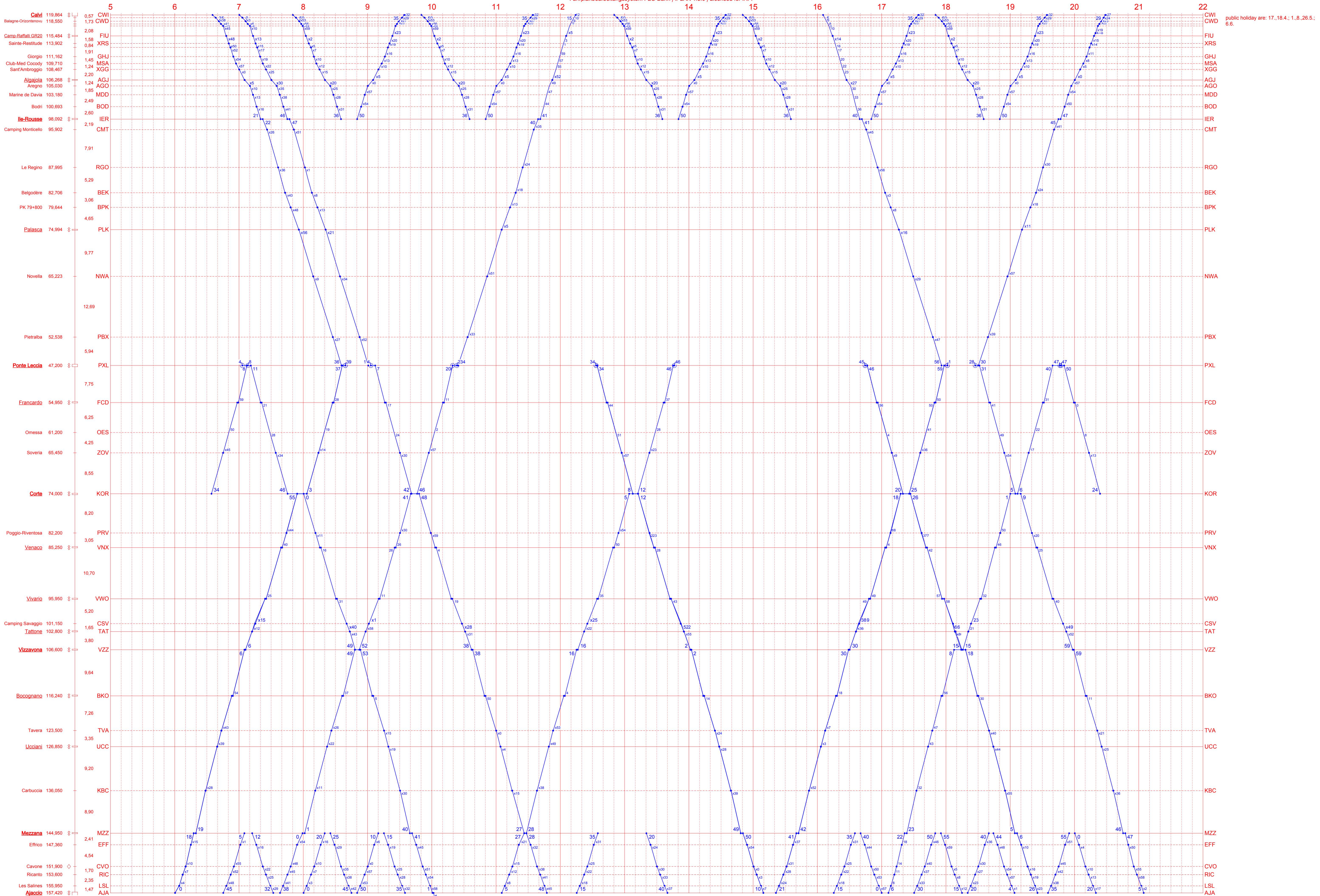
Finally, FBS can compute automatically the vehicle rostering, and make a full circulation plan. On the Corsican network, the first calculations show directly necessary extra travels, with a display of a yellow danger sign. The company can immediately identify on which days and between which stations an extra run is necessary, or study its pertinence for the travellers.

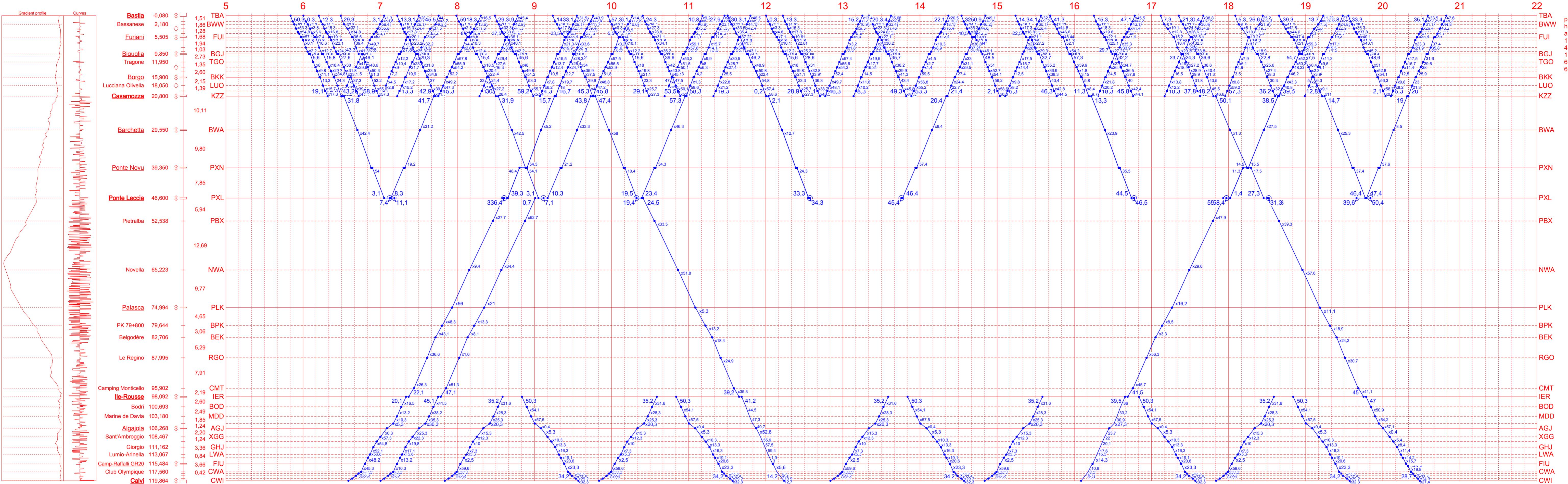




Calvi - Ajaccio
valid from 14.03.2022 until 26.06.2022
183,484 km

Fahrplanbearbeitungssystem FBS-Bahn | iPLAN 1.8.0 | Licensed for iRFP





Calvi - Ponte Leccia - Bastia

Tous les trains 2. Classe

km		Train	CFC 202	CFC 204	CFC 206	CFC 50	CFC 208	CFC 210	CFC 100	CFC 2	CFC 2	CFC 100SD	
	from				Corte				Ajaccio	Ajaccio			
0.0	Calvi	Calvi	...	...	...	...	...	...	Ⓐ 6.35	...	...	© 7.00
0.6	Lido	Calvi Talle	...	...	...	...	...	...	{ x 6.38	...	...	{ x 7.03
1.3	Balagne-Orizontenovu	Calvi E Padule	...	...	...	...	...	...	{ x 6.41	...	...	{ x 7.06
1.9	Tennis-Club	Calvi U Pinetu	...	...	...	...	...	...	{ x 6.43	...	...	{ x 7.08
2.3	Club Olympique	Calvi L'Alzeta Suprana	...	...	...	...	...	...	{ x 6.45	...	...	{ x 7.10
4.4	Camp-Raffalli GR20	U Fiumesecu Alzeta GR20	...	...	...	...	...	...	{ x 6.48	...	...	{ x 7.13
6.0	Sainte-Restitude	Santa Restituda	...	...	...	...	...	...	{ x 6.50	...	...	{ x 7.15
6.8	Lumio-Arinella	Lumiù-L'Arinella	...	...	...	...	...	...	{ x 6.52	...	...	{ x 7.17
8.7	Giorgio	Għiorgħu	...	...	...	...	...	...	{ x 6.54	...	...	{ x 7.19
10.2	Club-Med Cocody	A Marina di Sant' Ambrosgiu	...	...	...	...	...	...	{ x 6.57	...	...	{ x 7.22
11.4	Sant'Ambroggio	Sant'Ambrosgiu	...	...	...	...	...	...	{ x 7.00	...	...	{ x 7.25
13.6	Algajola	L'Algaghjola	...	...	...	...	...	...	{ x 7.05	...	...	{ x 7.30
14.8	Aregno	Aregnu	...	...	...	...	...	...	{ x 7.10	...	...	{ x 7.35
16.7	Marine de Davia	A Marina di Davia	...	...	...	...	...	...	{ x 7.13	...	...	{ x 7.38
19.2	Bodri	Botri	...	...	...	...	...	...	{ x 7.16	...	...	{ x 7.41
21.8	Ile-Rousse	L'Isula Rossa	o	...	...	...	...	...	{ 7.21	...	...	{ 7.46
24.0	Camping Monticello	Munticellu	...	...	...	...	...	...	{ 7.22	...	...	{ 7.47
31.9	Le Regino	U Reginu	...	...	...	...	...	...	{ x 7.26	...	...	{ x 7.51
37.2	Belgodère	Belgudè	...	...	...	...	...	...	{ x 7.36	...	...	{ x 8.01
40.2	PK 79+800	Belgudè PK79+800	...	...	...	...	...	...	{ x 7.43	...	...	{ x 8.08
44.9	Palasca	Palasca	...	...	...	...	...	...	{ x 7.48	...	...	{ x 8.13
54.6	Novella	Nuvella	...	...	...	...	...	...	{ x 7.56	...	...	{ x 8.21
67.3	Pietralba	Petalba	...	...	...	...	...	...	{ x 8.09	...	...	{ x 8.34
73.3	Ponte Leccia	U Ponte à A Leccia	o	☒ 7.08	Ⓐ 8.36	☒ 8.37	☒ 8.37	© 9.01
81.1	Ponte Novu	Ponte Novu	{ 7.08
90.9	Barchetta	Barchetta	{ 7.19
99.7	Cazamozza	Cazamozza	o	{ 7.31
101.0	Luciana Pôle Sportif	U Precogħju-Spaziu Spurtivu	Ⓐ 6.30	☒ 7.01	Ⓐ 7.13	7.45	8.17	☒ 9.04	...	...	...	...
102.4	Luciana Olivella	Lucciana L'Alivella	{ x 6.32	{ x 7.02	{ x 7.15	x 7.47	x 8.19	{ x 9.06	...	...	...	...
104.6	Borgo	U Borgu	{ x 6.34	{ x 7.04	{ x 7.17	x 7.49	x 8.20	{ x 9.07	...	...	...	...
106.2	Maison d'Arrêt Borgo	Prigione di U Borgu-Rasignani	6.37	7.07	7.20	7.52	8.24	9.10	...	...	...	...
107.2	Purettone	Purettone	6.39	7.09	7.54	x 8.26	x 8.26	x 9.12	...	...	...	...
108.5	Tragone	U Tragone	6.41	7.10	7.23	x 7.55	x 8.27	x 9.13	...	...	...	...
110.6	Biguglia	Biguglia	6.43	7.12	7.25	x 7.57	x 8.29	x 9.15	...	...	...	...
111.2	Casatorra	Casatorra	6.46	7.15	7.29	8.01	8.32	9.18	...	...	...	...
112.3	Ceppe	Ceppe	6.48	7.16	7.32	x 8.02	x 8.33	x 9.19	...	...	...	...
114.2	Saltatōjo	U Saltatogħju	6.52	7.20	7.35	x 8.06	x 8.37	x 9.23	...	...	...	...
115.0	Furiani	Furiani	6.53	7.22	7.35	8.08	8.38	9.25	...	...	...	...
115.9	Polyclinique	Sansonetti - Puliclinica	6.55	7.23	7.35	x 8.10	x 8.40	x 9.26	...	...	...	...
116.3	Erbajolo	Erbagħjolu	6.56	7.24	7.35	x 8.11	x 8.41	x 9.27	...	...	...	...
117.2	Montesoro	Montesoro	6.58	7.25	7.39	x 8.13	x 8.42	x 9.28	...	...	...	...
118.3	Bassanese	Bassanese	6.59	7.27	7.43	x 8.15	x 8.44	x 9.30	...	...	...	...
119.0	Lupino	Lupinu	7.01	7.28	7.43	x 8.16	x 8.45	x 9.31	...	...	...	...
120.5	Bastia	Bastia	o	Ⓐ 7.04	☒ 7.31	Ⓐ 7.46	☒ 8.19	8.47	☒ 9.34	...	...	...
	to								...	...	...	...

Calvi - Ponte Leccia - Bastia

Tous les trains 2. Classe

km		Train	CFC 102	CFC 300	CFC 212	CFC 4	CFC 214	CFC 266	CFC 216	CFC 216	CFC 302	CFC 218
	from				Ajaccio							
0.0	Calvi	Calvi	...	7.50	...	...	...	...	...	...	9.50	...
0.6	Lido	Calvi Talle	...	x 7.53	...	...	...	...	...	...	x 9.53	...
1.3	Balagne-Orizontenovu	Calvi E Padule	...	x 7.56	...	...	...	...	...	...	x 9.56	...
1.9	Tennis-Club	Calvi U Pinetu	...	x 7.58	...	...	...	...	...	...	x 9.58	...
2.3	Club Olympique	Calvi L'Alzeta Suprana	...	x 7.59	...	...	...	...	...	...	x 9.59	...
4.4	Camp-Raffalli GR20	U Fiumesecu Alzeta GR20	...	x 8.02	...	...	...	...	...	...	x 10.02	...
6.0	Sainte-Restitude	Santa Restituda	...	x 8.05	...	...	...	...	...	...	x 10.05	...
6.8	Lumio-Arinella	Lumiù-L'Arinella	...	x 8.07	...	...	...	...	...	...	x 10.07	...
8.7	Giorgio	Għiorgħu	...	x 8.10	...	...	...	...	...	...	x 10.10	...
10.2	Club-Med Cocody	A Marina di Sant' Ambrosgiu	...	x 8.12	...	...	...	...	...	...	x 10.12	...
11.4	Sant'Ambroggio	Sant'Ambrosgiu	...	x 8.15	...	...	...	...	...	...	x 10.15	...
13.6	Algajola	L'Algaghjola	...	x 8.20	...	...	...	...	...	...	x 10.20	...
14.8	Aregno	Aregnu	...	x 8.25	...	...	...	...	...	...	x 10.25	...
16.7	Marine de Davia	A Marina di Davia	...	x 8.28	...	...	...	...	...	...	x 10.28	...
19.2	Bodri	Botri	o	x 8.31	...	...	...	...	...	...	x 10.31	...
21.8	Ile-Rousse	L'Isula Rossa	...	8.36	...	...	...	...	...	...	10.36	...
24.0	Camping Monticello	Munticellu	...	...	...	...	...	...	...	...	...	...
31.9	Le Regino	U Reginu	...	...	...	...	...	...	...	...	...	...
37.2	Belgodère	Belgudè	...	...	...	...	...	...	...	...	...	...
40.2	PK 79+800	Belgudè PK79+800	...	...	...	...	...	...	...	...	...	...
44.9	Palasca	Palasca	...	...	...	...	...	...	...	...	...	...
54.6	Novella	Nuvella	...	...	...	...	...	...	...	...	...	...
67.3	Pietralba	Petalba	...	...	...	...	...	...	...	...	...	...
73.3	Ponte Leccia	U Ponte à A Leccia	o	...	...	10.20	...	...	...	...	...	...
81.1	Ponte Novu	Ponte Novu	...	9.10	...	10.23	...	...	...	...	...	...
90.9	Barchetta	Barchetta	...	9.21	...	10.34	...	...	...	...	...	...
99.7	Cazamozza	Cazamozza	o	x 9.33	...	x 10.46	...	...	...	...	...	...
			9.44	...	...	10.58	...	...	...	...	...	...
101.0	Luciana Pôle Sportif	U Precogħju-Spaziu Spurtivu	...	9.45	...	x 10.41	10.58	11.19	12.46	13.08	13.08	...
102.4	Luciana Olivella	Luciana L'Alivella	x 9.48	...	x 10.44	x 11.01	x 11.22	x 11.21	x 12.48	x 13.10	x 13.10	x 13.55
104.6	Borgo	U Borgu	9.51	...	10.48	11.04	11.25	12.52	13.14	13.14	13.14	13.59
106.2	Maison d'Arrêt Borgo	Prigione di U Borgu-Rasignani	x 9.53	...	x 10.50	x 11.06	x 11.27	x 12.54	x 13.16	...	...	x 14.01
107.2	Purettone	Purettone	x 9.55	...	x 10.51	x 11.08	x 11.28	x 12.55	x 13.17	x 13.17	x 13.17	x 14.02
108.5	Tragone	U Tragone	x 9.57	...	x 10.53	x 11.09	x 11.30	x 12.57	x 13.19	x 13.19	x 13.19	x 14.04
110.6	Biguglia	Biguglia	10.00	...	10.56	11.13	11.33	13.00	13.22	13.22	13.22	14.07
111.2	Casatorra	Casatorra	...	...	x 10.57	...	x 11.34	x 13.01	x 13.23	...	...	x 14.08
112.3	Ceppe	Ceppe	x 10.03	...	x 10.59	x 11.15	x 11.36	x 13.03	x 13.25	x 13.25	x 13.25	x 14.10
114.2	Saltatōjo	U Saltatogħju	...	...	x 11.01	...	x 11.38	x 13.05	x 13.27	...	...	x 14.12
115.0	Furiani	Furiani	10.06	...	11.02	11.19	11.40	13.06	13.29	13.29	13.29	14.14
115.9	Polyclinique	Sansonetti - Puliclinica	x 10.08	...	x 11.04	x 11.20	x 11.41	x 13.08	x 13.30	...	...	x 14.15
116.3	Erbajolo	Erbagħjolu	...	...	x 11.05	...	x 11.42	x 13.09	x 13.31	...	...	x 14.16
117.2	Montesoro	Montesoro	x 10.10	...	x 11.06	x 11.22	x 11.43	x 13.10	x 13.33	x 13.33	x 13.33	x 14.17
118.3	Bassanese	Bassanese	x 10.12	...	x 11.08	x 11.24	x 11.45	x 13.12	x 13.34	x 13.34	x 13.34	x 14.19
119.0	Lupino	Lupinu	x 10.14	...	x 11.09	x 11.26	x 11.46	x 13.13	x 13.35	x 13.35	x 13.35	x 14.20
120.5	Bastia	Bastia	o	10.17	...	x 11.11	11.28	11.49	13.16	13.38	13.38	14.23
	to											

Calvi - Ponte Leccia - Bastia

Tous les trains 2. Classe

km		Train	CFC 6	CFC 220	CFC 222	CFC 224	CFC 226	CFC 304	CFC 306	CFC 104	CFC 8	CFC 8
	from	Ajaccio									Ajaccio	Ajaccio
0.0	Calvi	Calvi	...	...	...	...	...	12.50	14.50	16.05	...	...
0.6	Lido	Calvi Talle	...	...	...	...	...	x12.53	x14.53	...	...	...
1.3	Balagne-Orizontenovu	Calvi E Padule	...	...	...	...	...	x12.56	x14.56	...	...	...
1.9	Tennis-Club	Calvi U Pinetu	...	...	...	...	...	x12.58	x14.58	...	...	...
2.3	Club Olympique	Calvi L'Alzeta Suprana	...	...	...	...	...	x12.59	x14.59	...	...	...
4.4	Camp-Raffalli GR20	U Fiumesecu Alzeta GR20	...	...	...	...	...	x13.02	x15.02	x16.14	...	...
6.0	Sainte-Restitude	Santa Restituda	...	...	...	...	...	x13.05	x15.05	...	...	...
6.8	Lumio-Arinella	Lumiù-L'Arinella	...	...	...	...	...	x13.07	x15.07	...	...	...
8.7	Giorgio	Għiorgħu	...	...	...	...	...	x13.10	x15.10	...	...	...
10.2	Club-Med Cocody	A Marina di Sant'Ambrosgiu	...	...	...	...	...	x13.12	x15.12	...	...	...
11.4	Sant'Ambrosgio	Sant'Ambrosgiu	...	...	...	...	...	x13.15	x15.15	...	...	...
13.6	Algajola	L'Algaghjola	...	...	...	...	...	x13.20	x15.20	x16.27	...	...
14.8	Aregno	Aregnu	...	...	...	...	...	x13.25	x15.25	...	...	...
16.7	Marine de Davia	A Marina di Davia	...	...	...	...	...	x13.28	x15.28	...	...	...
19.2	Bodri	Botri	o	...	...	...	...	x13.31	x15.31	...	...	...
21.8	Ile-Rousse	L'Isula Rossa	o	...	...	...	...	13.36	15.36	16.40	...	...
24.0	Camping Monticello	Munticellu	...	...	...	...	...	...	...	16.41	...	...
31.9	Le Regino	U Reginu	...	...	...	...	...	...	...	x16.45	...	...
37.2	Belgodère	Belgudè	...	...	...	...	...	...	...	x16.56	...	...
40.2	PK 79+800	Belgudè PK79+800	...	...	...	...	...	...	...	x17.03	...	...
44.9	Palasca	Palasca	...	...	...	...	...	...	...	x17.08	...	...
54.6	Novella	Nuvella	...	...	...	...	...	...	...	x17.16	...	...
67.3	Pietralba	Petalba	o	13.46	...	...	...	...	...	x17.29	...	...
73.3	Ponte Leccia	U Ponte à A Leccia	o	13.46	...	...	...	...	...	17.47	...	...
81.1	Ponte Novu	Ponte Novu	o	13.46	...	...	...	...	...	17.56	17.59	17.59
90.9	Barchetta	Barchetta	o	14.21	...	...	...	...	...	...	18.01	18.01
99.7	Cazamozza	Cazamozza	o	14.21	15.06	16.18	17.10	17.57	...	...	18.15	18.15
101.0	Luciana Pôle Sportif	U Precogħju-Spaziu Spurtivu	o	14.21	x15.08	x16.20	x17.12	x17.59	...	...	x18.27	x18.27
102.4	Luciana Olivella	Luciana L'Alivella	o	14.24	x15.09	x16.21	x17.13	x18.00	...	...	18.39	18.39
104.6	Borgo	U Borgu	o	14.27	15.12	16.24	17.16	18.03	...	...	18.43	18.43
106.2	Maison d'Arrêt Borgo	Prigione di U Borgu-Rasignani	o	14.29	x15.14	x16.26	x17.18	...	...	...	18.46	18.46
107.2	Purettone	Purettone	o	14.31	x15.15	x16.27	x17.19	x18.06	...	...	18.48	18.48
108.5	Tragone	U Tragone	o	14.33	x15.17	x16.29	x17.21	x18.07	...	...	18.50	18.50
110.6	Biguglia	Biguglia	o	14.36	15.19	16.32	17.24	18.11	...	...	18.52	18.52
111.2	Casatorra	Casatorra	o	14.38	x15.20	x16.33	x17.25	...	...	...	18.57	18.57
112.3	Ceppe	Ceppe	o	14.42	x15.22	x16.35	x17.27	x18.13	...	...	18.59	18.59
114.2	Saltatōjo	U Saltatogħju	o	14.42	x15.24	x16.37	x17.29	...	...	...	19.03	19.03
115.0	Furiani	Furiani	o	14.42	15.26	16.39	17.32	18.16	...	...	19.04	19.04
115.9	Polyclinique	Sansonetti - Puliclinica	o	14.44	x15.27	x16.40	x17.33	...	...	...	19.06	19.06
116.3	Erbajolo	Erbagħjolu	o	14.45	x15.28	x16.41	x17.34	...	...	...	19.09	19.09
117.2	Montesoro	Montesoro	o	14.47	x15.29	x16.42	x17.36	x18.21	...	...	19.11	19.11
118.3	Bassanese	Bassanese	o	14.49	x15.31	x16.44	x17.37	x18.24	...	...	19.14	19.14
119.0	Lupino	Lupinu	o	14.49	x15.32	x16.45	x17.38	...	...	...	19.14	19.14
120.5	Bastia	Bastia	o	14.51	15.35	16.48	17.41	18.27	...	...	...	...
	to											

Calvi - Ponte Leccia - Bastia

Tous les trains 2. Classe

km		Train	CFC 228	CFC 230	CFC 10	CFC 308						
	from			Ajaccio								
0.0	Calvi	Calvi	...	...	...	...	17.50	...	...	...	...	...
0.6	Lido	Calvi Talle	...	...	...	...	x17.53	...	...	...	...	...
1.3	Balagne-Orizontenovu	Calvi E Padule	...	...	...	...	x17.56	...	...	...	...	...
1.9	Tennis-Club	Calvi U Pinetu	...	...	...	...	x17.58	...	...	...	...	...
2.3	Club Olympique	Calvi L'Alzeta Suprana	...	...	...	...	x17.59	...	...	...	...	...
4.4	Camp-Raffalli GR20	U Fiumesecu Alzeta GR20	...	...	...	...	x18.02	...	...	...	...	...
6.0	Sainte-Restitude	Santa Restituda	...	...	...	...	x18.05	...	...	...	...	...
6.8	Lumio-Arinella	Lumiù-L'Arinella	...	...	...	...	x18.07	...	...	...	...	...
8.7	Giorgio	Għiorgħu	...	...	...	...	x18.10	...	...	...	...	...
10.2	Club-Med Cocody	A Marina di Sant' Ambrosgiu	...	...	...	...	x18.12	...	...	...	...	...
11.4	Sant'Ambroggio	Sant'Ambrosgiu	...	...	...	...	x18.15	...	...	...	...	...
13.6	Algajola	L'Algaghjola	...	...	...	...	x18.20	...	...	...	...	...
14.8	Aregno	Aregnu	...	...	...	...	x18.25	...	...	...	...	...
16.7	Marine de Davia	A Marina di Davia	...	...	...	...	x18.28	...	...	...	...	...
19.2	Bodri	Botri	o	...	...	...	x18.31	...	...	...	...	...
21.8	Ile-Rousse	L'Isula Rossa	o	...	...	...	x18.36	...	...	...	...	...
24.0	Camping Monticello	Munticellu	...	...	...	...	...	...	...	...	...	...
31.9	Le Regino	U Reginu	...	...	...	...	...	...	...	...	...	...
37.2	Belgodère	Belgudè	...	...	...	...	...	...	...	...	...	...
40.2	PK 79+800	Belgudè PK79+800	...	...	...	...	...	...	...	...	...	...
44.9	Palasca	Palasca	...	...	...	...	...	...	...	...	...	...
54.6	Novella	Nuvella	...	...	...	...	...	...	...	...	...	...
67.3	Pietralba	Petràlba	...	...	...	...	...	...	...	...	...	...
73.3	Ponte Leccia	U Ponte à A Leccia	o	...	...	19.40	...	...	...	...	...	...
81.1	Ponte Novu	Ponte Novu	...	...	...	19.47	...	...	...	...	...	...
90.9	Barchetta	Barchetta	...	...	...	19.57	...	...	...	...	...	...
99.7	Casamozza	Cazamozza	o	...	...	20.08	...	...	...	...	...	...
101.0	Luciana Pôle Sportif	U Precogħju-Spaziu Spurtivu	ꝝ 18.59	ꝝ 20.06	20.20	...	...	...	...	...	...	...
102.4	Luciana Olivella	Luciana L'Alivella	x19.01	x20.08	...	...	...	...	...	...	...	...
104.6	Borgo	U Borgu	x19.02	x20.09	20.23	...	...	...	...	...	...	...
106.2	Maison d'Arrêt Borgo	Prigione di U Borgu-Rasignani	19.06	x20.12	20.25	...	...	...	...	...	...	...
107.2	Purettone	Purettone	...	x20.14	20.28	...	...	...	...	...	...	...
108.5	Tragone	U Tragone	x19.09	x20.15	20.29	...	...	...	...	...	...	...
110.6	Biguglia	Biguglia	x19.11	x20.17	20.31	...	...	...	...	...	...	...
111.2	Casatorra	Casatorra	x19.14	20.20	20.35	...	...	...	...	...	...	...
112.3	Ceppe	Ceppe	x19.17	x20.23	20.37	...	...	...	...	...	...	...
114.2	Saltatoojo	U Saltatogħju	...	x20.25	...	...	...	...	...	...	...	...
115.0	Furiani	Furiani	x19.20	20.27	20.41	...	...	...	...	...	...	...
115.9	Polyclinique	Sansonetti - Puliclinica	...	x20.28	20.42	...	...	...	...	...	...	...
116.3	Erbajolo	Erbagħjolu	...	x20.29	...	...	...	...	...	...	...	...
117.2	Montesoro	Montesoro	x19.24	x20.30	20.44	...	...	...	...	...	...	...
118.3	Bassanese	Bassanese	x19.26	x20.32	20.46	...	...	...	...	...	...	...
119.0	Lupino	Lupinu	...	x20.33	20.47	...	...	...	...	...	...	...
120.5	Bastia	Bastia	o	ꝝ 19.29	ꝝ 20.36	20.50	...	...	...	...	...	...
		to										

ꝝ = Mercredi; non 27.4.; 4.5.

ꝝ = hors Mercredi; aussi 27.4.; 4.5.

ꝝ = Vendredi, Dimanche; aussi 18.4.; 26.5.; 6.6.; non 29.4.-8.5.

ꝝ = hors Vendredi, Dimanche; aussi 29.4.-8.5.; non 18.4.; 26.5.; 6.6.

ꝝ = Lundi; non 18.4.-2.5.; 6.6.

ꝝ = Mardi-Vendredi; aussi 25.4.; 2.5.; non 26.5.

ꝝ = non 19.,20.,26.,27.3.; 2.,3.,9.,10.4.

