

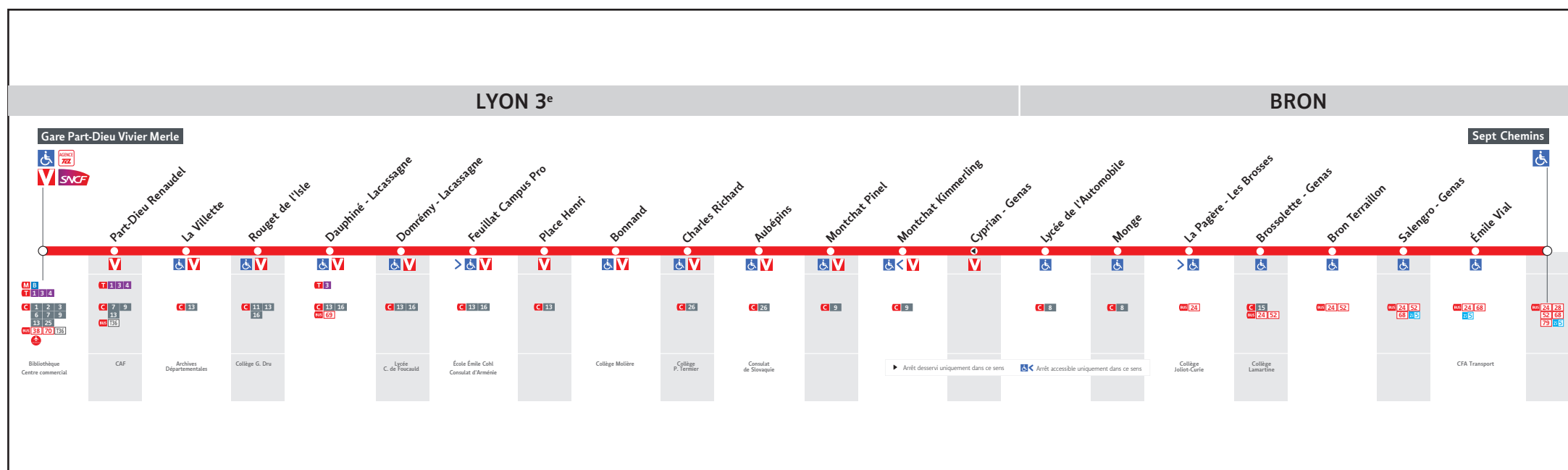


● GARE PART DIEU VIVIER MERLE ↔ BRON SEPT CHEMINS

HORAIRES

Valables du 15 juil. au 31 août 2025

Pour connaître les horaires de passage de vos lignes à un point d'arrêt précis, sur www.tcl.fr, cliquer sur  et sélectionner votre ligne ou votre arrêt.



Horaires travaux

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(prix d'un appel local)

TCL

Lundi au vendredi - du 15/07 au 22/08

ZSA-0354I

GARE PART-DIEU V.MERLE	5.30	6.05	6.35	7.00	7.25	7.50	8.15	8.45	9.15	9.45	10.15	10.45	11.15	11.45	12.15	12.45	13.15	13.45	14.15	14.45	15.15	15.40	16.05	16.30	16.55	17.20	17.45	18.10	18.35	19.00	19.30	20.00	20.35	21.10
DAUPHINE - LACASSAGNE	5.37	6.12	6.42	7.07	7.32	7.57	8.24	8.54	9.24	9.54	10.24	10.54	11.24	11.54	12.24	12.54	13.24	13.54	14.24	14.54	15.24	15.49	16.14	16.40	17.05	17.30	17.55	18.20	18.45	19.09	19.38	20.08	20.42	21.17
PLACE HENRI	5.40	6.16	6.46	7.11	7.36	8.01	8.29	8.59	9.28	9.58	10.28	10.58	11.28	11.59	12.29	12.59	13.28	13.58	14.28	14.58	15.28	15.53	16.18	16.44	17.09	17.34	17.59	18.24	18.48	19.12	19.41	20.11	20.45	21.20
CHARLES RICHARD	5.42	6.18	6.48	7.14	7.39	8.04	8.32	9.01	9.30	10.00	10.30	11.00	11.30	12.01	12.31	13.01	13.30	14.00	14.30	15.00	15.30	15.56	16.21	16.47	17.12	17.37	18.02	18.27	18.51	19.15	19.44	20.13	20.47	21.22
MONTCHAT KIMMERLING	5.45	6.21	6.51	7.17	7.42	8.07	8.35	9.04	9.33	10.03	10.33	11.03	11.33	12.04	12.34	13.04	13.33	14.03	14.33	15.03	15.33	15.59	16.24	16.50	17.15	17.40	18.05	18.30	18.54	19.18	19.47	20.16	20.50	21.25
BROSSOLETTE GENAS	5.49	6.25	6.56	7.22	7.47	8.12	8.40	9.09	9.38	10.08	10.38	11.09	11.39	12.10	12.40	13.10	13.39	14.09	14.39	15.09	15.39	16.05	16.30	16.56	17.21	17.46	18.11	18.35	18.59	19.23	19.52	20.21	20.55	21.30
C. CIAL SEPT CHEMINS	5.55	6.31	7.02	7.28	7.53	8.19	8.48	9.17	9.46	10.16	10.46	11.17	11.47	12.18	12.48	13.18	13.47	14.17	14.47	15.17	15.47	16.13	16.38	17.04	17.29	17.54	18.19	18.43	19.06	19.30	19.59	20.27	21.01	21.36
SEPT CHEMINS																																		

Samedi - du 19/07 au 23/08

ZSA-0346I

GARE PART-DIEU V.MERLE	5.40	6.20	7.00	7.40	8.20	9.00	9.30	10.00	10.30	11.00	11.30	12.00	12.30	13.00	13.30	14.00	14.30	15.00	15.30	16.00	16.30	17.00	17.30	18.00	18.30	19.07	19.45	20.25	21.10
DAUPHINE - LACASSAGNE	5.47	6.27	7.07	7.47	8.27	9.08	9.38	10.08	10.38	11.08	11.38	12.08	12.38	13.08	13.38	14.08	14.38	15.08	15.38	16.08	16.38	17.09	17.39	18.08	18.38	19.15	19.53	20.33	21.17
PLACE HENRI	5.50	6.30	7.10	7.50	8.30	9.11	9.42	10.12	10.42	11.12	11.41	12.11	12.41	13.11	13.41	14.11	14.41	15.11	15.41	16.11	16.41	17.12	17.43	18.12	18.42	19.18	19.56	20.36	21.20
CHARLES RICHARD	5.52	6.32	7.13	7.53	8.33	9.14	9.45	10.15	10.45	11.15	11.44	12.14	12.44	13.14	13.44	14.14	14.44	15.14	15.44	16.14	16.44	17.15	17.46	18.15	18.45	19.21	19.59	20.38	21.22
MONTCHAT KIMMERLING	5.54	6.34	7.16	7.56	8.36	9.17	9.49	10.19	10.49	11.19	11.47	12.17	12.47	13.17	13.47	14.17	14.47	15.17	15.47	16.17	16.47	17.18	17.49	18.18	18.48	19.24	20.02	20.41	21.25
BROSSOLETTE GENAS	5.57	6.38	7.20	8.00	8.41	9.23	9.54	10.24	10.54	11.25	11.53	12.23	12.53	13.23	13.52	14.22	14.52	15.23	15.53	16.23	16.53	17.24	17.54	18.23	18.53	19.29	20.07	20.46	21.30
C. CIAL SEPT CHEMINS	6.03	6.44	7.26	8.06	8.47	9.29	10.01	10.31	11.01	11.32	12.00	12.30	13.00	13.30	13.59	14.29	14.59	15.30	16.00	16.30	17.00	17.32	18.02	18.30	19.00	19.35	20.13	20.52	21.36
SEPT CHEMINS																													

Dimanches et jours fériés - du 13/07 au 24/08

ZSA-0397I

GARE PART-DIEU V.MERLE	7.40	8.55	10.10	11.25	12.25	13.10	13.50	14.30	15.10	15.50	16.30	17.10	17.50	18.30	19.10	19.50	20.30	21.10
DAUPHINE - LACASSAGNE	7.47	9.02	10.17	11.33	12.33	13.18	13.58	14.38	15.18	15.58	16.38	17.18	17.58	18.38	19.18	19.58	20.37	21.17
PLACE HENRI	7.50	9.05	10.20	11.36	12.36	13.21	14.01	14.41	15.21	16.01	16.41	17.21	18.01	18.41	19.21	20.01	20.40	21.20
CHARLES RICHARD	7.52	9.07	10.22	11.38	12.38	13.23	14.03	14.43	15.23	16.03	16.43	17.23	18.03	18.43	19.23	20.03	20.42	21.22
MONTCHAT KIMMERLING	7.54	9.09	10.25	11.41	12.41	13.26	14.06	14.46	15.26	16.06	16.46	17.26	18.06	18.46	19.26	20.05	20.44	21.24
BROSSOLETTE GENAS	7.59	9.14	10.31	11.47	12.46	13.31	14.11	14.51	15.31	16.11	16.52	17.32	18.12	18.52	19.31	20.11	20.49	21.29
C. CIAL SEPT CHEMINS	8.05	9.21	10.38	11.54	12.53	13.38	14.18	14.58	15.38	16.18	16.59	17.39	18.19	18.59	19.38	20.18	20.56	21.36
SEPT CHEMINS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Lundi au vendredi - du 25/08 au 29/08

ZSA-0344M

GARE PART-DIEU V.MERLE	5.30	5.55	6.15	6.30	6.50	7.05	7.25	7.45	8.05	8.25	8.45	9.05	9.25	9.45	10.05	10.25	10.45	11.05	11.25	11.45	12.00	12.20	12.40	13.00	13.20	13.40	14.00	14.20	14.40	15.00	15.20	15.40	16.00	16.20	16.41	17.01	17.22	17.43	18.03	18.23	18.40	19.00
DAUPHINE - LACASSAGNE	5.35	6.00	6.21	6.36	6.56	7.13	7.33	7.53	8.14	8.34	8.54	9.13	9.33	9.53	10.13	10.33	10.53	11.13	11.33	11.53	12.08	12.28	12.48	13.08	13.28	13.48	14.08	14.28	14.48	15.08	15.28	15.48	16.09	16.29	16.51	17.11	17.32	17.53	18.13	18.33	18.49	19.08
PLACE HENRI	5.38	6.03	6.24	6.39	6.59	7.17	7.37	7.58	8.20	8.40	8.58	9.17	9.37	9.57	10.16	10.36	10.57	11.17	11.37	11.58	12.14	12.34	12.52	13.12	13.32	13.52	14.12	14.32	14.54	15.12	15.32	15.53	16.14	16.34	16.55	17.16	17.37	17.58	18.17	18.37	18.53	19.12
CHARLES RICHARD	5.40	6.05	6.26	6.42	7.02	7.20	7.40	8.01	8.23	8.43	9.01	9.20	9.40	10.00	10.19	10.39	11.00	11.20	11.40	12.01	12.17	12.37	12.55	13.15	13.35	13.55	14.15	14.35	14.57	15.15	15.35	15.56	16.17	16.37	16.59	17.20	17.41	18.01	18.20	18.40	18.56	19.14
MONTCHAT KIMMERLING	5.43	6.08	6.29	6.45	7.05	7.24	7.44	8.05	8.27	8.46	9.04	9.23	9.43	10.03	10.22	10.42	11.03	11.23	11.43	12.04	12.20	12.40	12.58	13.18	13.38	13.58	14.18	14.38	15.00	15.19	15.39	16.00	16.21	16.41	17.03	17.24	17.45	18.05	18.24	18.44	18.59	19.17
BROSSOLETTE GENAS	5.47	6.12	6.34	6.50	7.10	7.30	7.50	8.11	8.33	8.52	9.09	9.29	9.49	10.09	10.28	10.48	11.09	11.29	11.49	12.11	12.25	12.45	13.04	13.24	13.44	14.04	14.24	14.44	15.06	15.25	15.45	16.06	16.28	16.48	17.11	17.32	17.53	18.12	18.30	18.50	19.05	19.23
C. CIAL SEPT CHEMINS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SEPT CHEMINS	5.51	6.16	6.39	6.56	7.16	7.37	7.57	8.18	8.40	8.58	9.15	9.34	9.54	10.14	10.33	10.53	11.14	11.34	11.54	12.16	12.30	12.50	13.09	13.29	13.49	14.09	14.29	14.49	15.11	15.31	15.51	16.12	16.35	16.55	17.18	17.39	18.00	18.18	18.36	18.56	19.11	19.28

Lundi au vendredi - du 25/08 au 29/08

ZSA-0144M

GARE PART-DIEU V.MERLE	19.20	19.40	20.00	20.30	21.00
DAUPHINE - LACASSAGNE	19.28	19.48	20.07	20.36	21.06
PLACE HENRI	19.32	19.52	20.11	20.39	21.09
CHARLES RICHARD	19.34	19.54	20.13	20.41	21.11
MONTCHAT KIMMERLING	19.37	19.57	20.16	20.44	21.14
BROSSELETTE GENAS	19.43	20.02	20.21	20.48	21.18
C. CIAL SEPT CHEMINS	-	-	-	-	-
SEPT CHEMINS	19.48	20.07	20.26	20.52	21.22

Samedi - le 30/08 uniquement

ZSA-0156M

GARE PART-DIEU V.MERLE	5.30	6.00	6.30	7.00	7.25	7.50	8.15	8.40	9.05	9.30	9.55	10.20	10.45	11.10	11.35	12.00	12.25	12.50	13.15	13.40	14.05	14.30	14.55	15.20	15.45	16.10	16.35	17.00	17.25	17.50	18.15	18.40	19.05	19.30	20.00	20.30	21.00
DAUPHINE - LACASSAGNE	5.35	6.05	6.35	7.05	7.30	7.57	8.22	8.47	9.12	9.37	10.02	10.27	10.52	11.17	11.42	12.07	12.32	12.57	13.22	13.47	14.12	14.37	15.02	15.27	15.52	16.17	16.42	17.07	17.32	17.57	18.22	18.47	19.12	19.37	20.07	20.36	21.06
PLACE HENRI	5.38	6.08	6.38	7.08	7.33	8.00	8.25	8.50	9.16	9.41	10.06	10.31	10.56	11.22	11.47	12.11	12.36	13.01	13.26	13.51	14.16	14.41	15.06	15.31	15.56	16.21	16.46	17.11	17.36	18.01	18.26	18.51	19.16	19.41	20.10	20.39	21.09
CHARLES RICHARD	5.40	6.10	6.40	7.10	7.35	8.02	8.27	8.53	9.19	9.44	10.09	10.34	10.59	11.25	11.50	12.14	12.39	13.04	13.29	13.54	14.19	14.44	15.09	15.34	15.59	16.24	16.49	17.14	17.39	18.04	18.29	18.54	19.19	19.43	20.12	20.41	21.11
MONTCHAT KIMMERLING	5.43	6.13	6.43	7.13	7.38	8.05	8.30	8.56	9.22	9.47	10.12	10.37	11.02	11.28	11.53	12.17	12.42	13.07	13.32	13.57	14.22	14.47	15.12	15.37	16.02	16.27	16.52	17.17	17.42	18.07	18.32	18.57	19.22	19.46	20.15	20.44	21.14
BROSSELETTE GENAS	5.47	6.17	6.48	7.18	7.43	8.10	8.35	9.02	9.28	9.53	10.18	10.43	11.08	11.34	11.59	12.23	12.48	13.13	13.38	14.03	14.28	14.53	15.18	15.43	16.08	16.33	16.58	17.23	17.48	18.13	18.38	19.03	19.28	19.52	20.20	20.49	21.19
C. CIAL SEPT CHEMINS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SEPT CHEMINS	5.51	6.21	6.52	7.22	7.47	8.14	8.40	9.07	9.33	9.58	10.23	10.48	11.13	11.39	12.04	12.28	12.53	13.18	13.43	14.08	14.33	14.58	15.23	15.48	16.13	16.38	17.03	17.28	17.53	18.18	18.43	19.08	19.33	19.56	20.24	20.53	21.23

Dimanche - le 24/08 + 31/08

ZSA-0147M

GARE PART-DIEU V.MERLE	7.30	8.30	9.30	10.30	11.30	12.30	13.00	13.30	14.00	14.30	15.00	15.30	16.00	16.30	17.00	17.30	18.00	18.30	19.00	19.30	20.00	20.30	21.00
DAUPHINE - LACASSAGNE	7.35	8.35	9.35	10.35	11.36	12.36	13.06	13.36	14.06	14.36	15.06	15.36	16.06	16.36	17.06	17.36	18.06	18.36	19.06	19.36	20.06	20.35	21.05
PLACE HENRI	7.38	8.38	9.38	10.38	11.39	12.39	13.09	13.39	14.09	14.39	15.09	15.39	16.09	16.39	17.09	17.39	18.09	18.39	19.09	19.39	20.09	20.38	21.08
CHARLES RICHARD	7.40	8.40	9.40	10.40	11.41	12.41	13.11	13.41	14.11	14.41	15.11	15.41	16.11	16.41	17.11	17.41	18.11	18.41	19.11	19.41	20.11	20.40	21.10
MONTCHAT KIMMERLING	7.42	8.42	9.43	10.43	11.44	12.44	13.14	13.44	14.14	14.44	15.14	15.44	16.14	16.44	17.14	17.44	18.14	18.44	19.14	19.43	20.13	20.42	21.12
BROSSELETTE GENAS	7.46	8.46	9.48	10.48	11.49	12.48	13.18	13.48	14.18	14.48	15.18	15.48	16.18	16.49	17.19	17.49	18.19	18.49	19.18	19.48	20.17	20.46	21.16
C. CIAL SEPT CHEMINS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SEPT CHEMINS	7.50	8.51	9.53	10.53	11.54	12.53	13.23	13.53	14.23	14.53	15.23	15.53	16.23	16.54	17.24	17.54	18.24	18.54	19.23	19.53	20.22	20.51	21.21

Lundi au vendredi - du 15/07 au 22/08

ZSA-0354I

C. CIAL SEPT CHEMINS	4.43	5.23	5.54	6.27	6.52	7.17	7.42	8.07	8.32	8.57	9.27	9.57	10.27	10.57	11.27	11.57	12.27	12.57	13.27	13.57	14.27	14.57	15.27	15.57	16.22	16.47	17.12	17.37	18.02	18.27	18.52	19.17	19.52	20.27	21.08
SEPT CHEMINS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BROSSOLETTE GENAS	4.48	5.28	5.59	6.32	6.57	7.22	7.48	8.13	8.38	9.03	9.33	10.03	10.33	11.03	11.33	12.03	12.33	13.03	13.33	14.03	14.33	15.02	15.32	16.03	16.28	16.53	17.18	17.43	18.08	18.33	18.58	19.23	19.57	20.32	21.13
MONTCHAT KIMMERLING	4.52	5.32	6.03	6.38	7.03	7.28	7.54	8.19	8.44	9.09	9.39	10.09	10.39	11.09	11.39	12.09	12.39	13.09	13.39	14.09	14.39	15.08	15.38	16.09	16.34	16.59	17.24	17.49	18.14	18.39	19.04	19.29	20.02	20.37	21.18
CHARLES RICHARD	4.56	5.36	6.08	6.43	7.08	7.33	7.59	8.24	8.49	9.14	9.44	10.14	10.44	11.14	11.44	12.14	12.44	13.14	13.44	14.14	14.44	15.13	15.43	16.14	16.39	17.05	17.30	17.55	18.20	18.44	19.09	19.33	20.06	20.41	21.22
PLACE HENRI	4.58	5.39	6.11	6.46	7.11	7.36	8.02	8.27	8.52	9.17	9.47	10.17	10.47	11.17	11.47	12.17	12.47	13.17	13.47	14.17	14.47	15.16	15.46	16.17	16.42	17.08	17.33	17.58	18.23	18.47	19.12	19.36	20.09	20.43	21.24
DAUPHINE - LACASSAGNE	5.01	5.43	6.15	6.50	7.15	7.40	8.07	8.32	8.57	9.22	9.52	10.22	10.52	11.22	11.52	12.21	12.51	13.21	13.51	14.21	14.51	15.20	15.51	16.22	16.47	17.13	17.38	18.03	18.28	18.52	19.17	19.41	20.13	20.47	21.28
GARE PART-DIEU V.MERLE	5.14	5.56	6.29	7.05	7.31	7.57	8.24	8.49	9.16	9.39	10.09	10.39	11.09	11.39	12.09	12.38	13.08	13.38	14.08	14.38	15.10	15.39	16.08	16.39	17.04	17.30	17.55	18.20	18.43	19.07	19.32	19.56	20.28	21.02	21.43

Samedi - du 19/07 au 23/08

ZSA-0346I

C. CIAL SEPT CHEMINS	4.46	5.31	6.16	7.01	7.41	8.25	9.05	9.40	10.10	10.40	11.10	11.40	12.10	12.40	13.10	13.40	14.10	14.40	15.10	15.40	16.10	16.40	17.10	17.40	18.10	18.40	19.10	19.45	20.25	21.12
SEPT CHEMINS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BROSSOLETTE GENAS	4.50	5.35	6.20	7.05	7.45	8.29	9.09	9.44	10.14	10.44	11.14	11.44	12.14	12.44	13.15	13.45	14.15	14.45	15.15	15.45	16.15	16.45	17.15	17.45	18.15	18.45	19.15	19.49	20.29	21.16
MONTCHAT KIMMERLING	4.55	5.40	6.25	7.10	7.50	8.34	9.15	9.50	10.20	10.50	11.20	11.50	12.20	12.50	13.21	13.51	14.21	14.51	15.21	15.51	16.21	16.51	17.21	17.51	18.21	18.51	19.21	19.54	20.34	21.21
CHARLES RICHARD	4.58	5.44	6.29	7.14	7.54	8.38	9.20	9.55	10.25	10.55	11.25	11.55	12.25	12.55	13.25	13.55	14.26	14.56	15.25	15.55	16.25	16.55	17.25	17.55	18.25	18.55	19.25	19.58	20.38	21.25
PLACE HENRI	5.00	5.46	6.32	7.17	7.57	8.41	9.23	9.58	10.28	10.58	11.28	11.58	12.28	12.58	13.28	13.58	14.29	14.59	15.28	15.58	16.28	16.58	17.28	17.58	18.28	18.57	19.27	20.00	20.40	21.27
DAUPHINE - LACASSAGNE	5.02	5.48	6.34	7.20	8.00	8.45	9.27	10.02	10.32	11.01	11.31	12.01	12.31	13.01	13.31	14.01	14.32	15.03	15.32	16.02	16.32	17.01	17.31	18.01	18.31	19.00	19.30	20.03	20.43	21.30
GARE PART-DIEU V.MERLE	5.13	5.59	6.49	7.35	8.15	9.02	9.44	10.19	10.49	11.18	11.48	12.18	12.48	13.18	13.48	14.18	14.49	15.20	15.49	16.19	16.49	17.18	17.48	18.18	18.48	19.17	19.45	20.18	20.58	21.45

Dimanches et jours fériés - du 13/07 au 24/08

ZSA-0397I

C. CIAL SEPT CHEMINS	7.00	8.15	9.30	10.45	11.45	12.30	13.10	13.50	14.30	15.10	15.50	16.30	17.10	17.50	18.30	19.10	19.50	20.30	21.10
SEPT CHEMINS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BROSSOLETTE GENAS	7.03	8.19	9.34	10.49	11.49	12.34	13.14	13.54	14.34	15.14	15.54	16.34	17.14	17.54	18.34	19.14	19.54	20.34	21.14
MONTCHAT KIMMERLING	7.08	8.24	9.41	10.56	11.56	12.41	13.21	14.01	14.41	15.21	16.01	16.41	17.21	18.01	18.41	19.20	20.00	20.39	21.19
CHARLES RICHARD	7.12	8.28	9.45	11.00	12.00	12.45	13.25	14.05	14.45	15.25	16.05	16.45	17.25	18.05	18.45	19.24	20.04	20.42	21.22
PLACE HENRI	7.14	8.30	9.47	11.02	12.02	12.47	13.27	14.07	14.47	15.27	16.07	16.47	17.27	18.07	18.47	19.26	20.06	20.44	21.24
DAUPHINE - LACASSAGNE	7.17	8.33	9.51	11.06	12.05	12.50	13.30	14.10	14.50	15.30	16.10	16.50	17.30	18.11	18.51	19.30	20.09	20.47	21.27
GARE PART-DIEU V.MERLE	7.30	8.46	10.04	11.19	12.18	13.03	13.43	14.23	15.03	15.43	16.23	17.03	17.43	18.24	19.04	19.43	20.22	21.00	21.40

Lundi au vendredi - du 25/08 au 29/08

ZSA-0344M

C. CIAL SEPT CHEMINS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-</
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