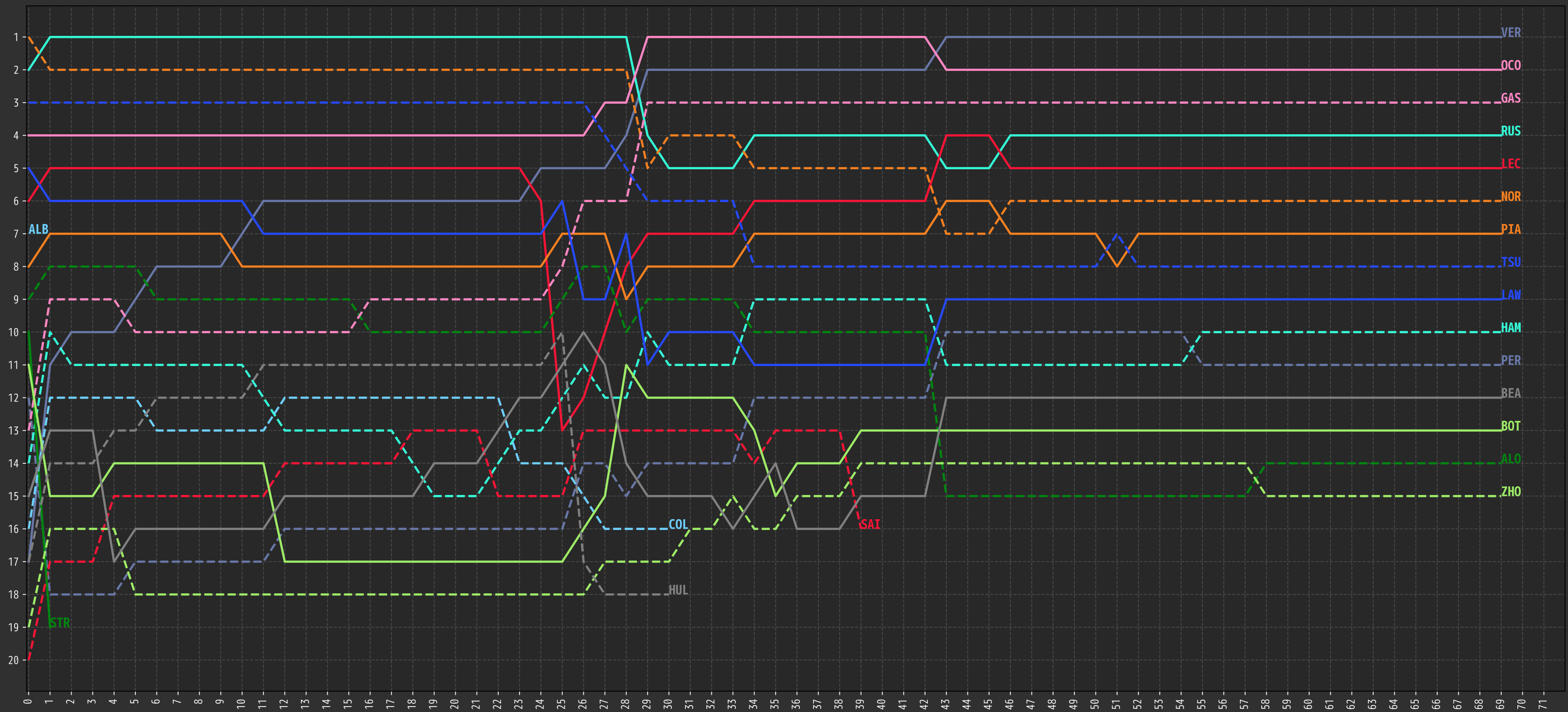
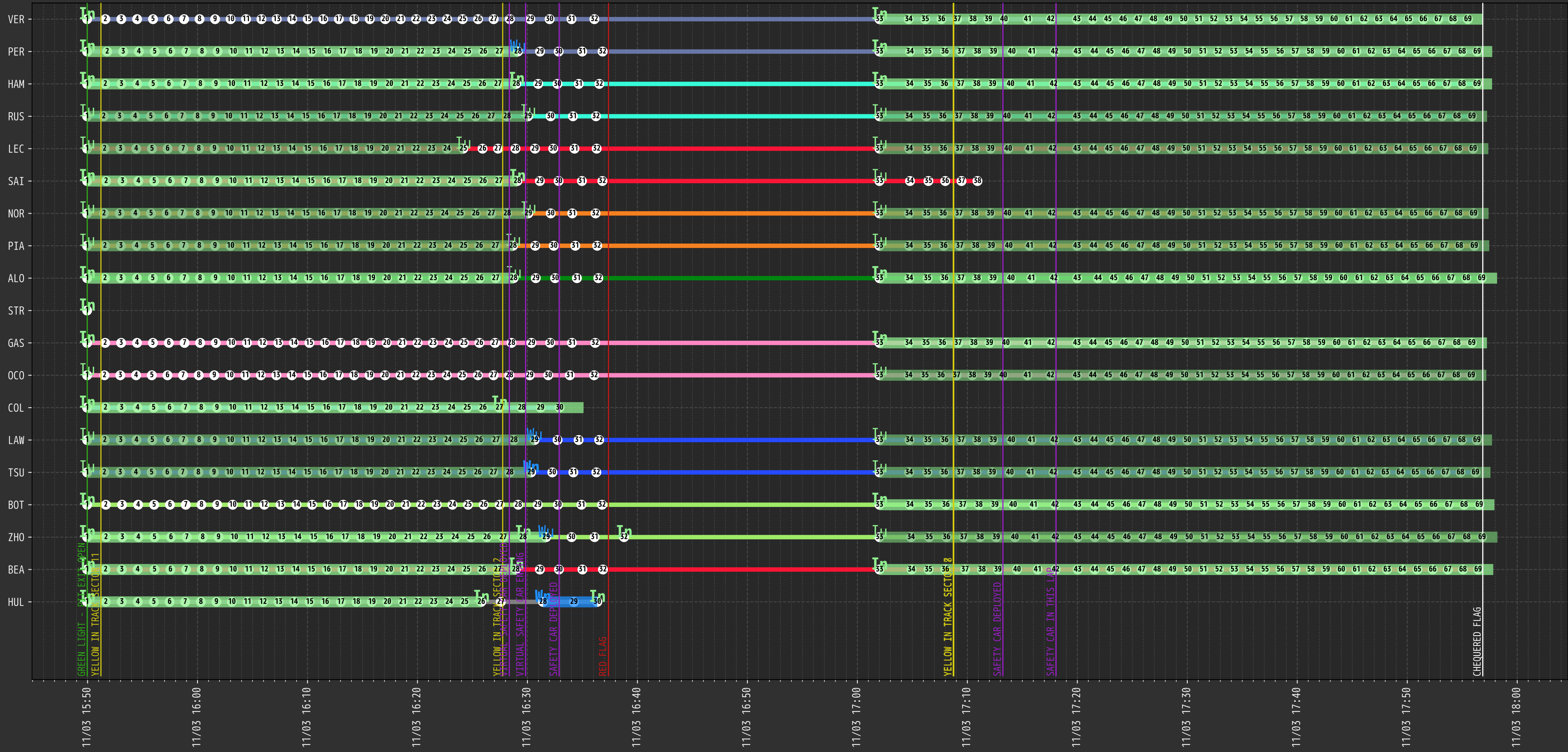


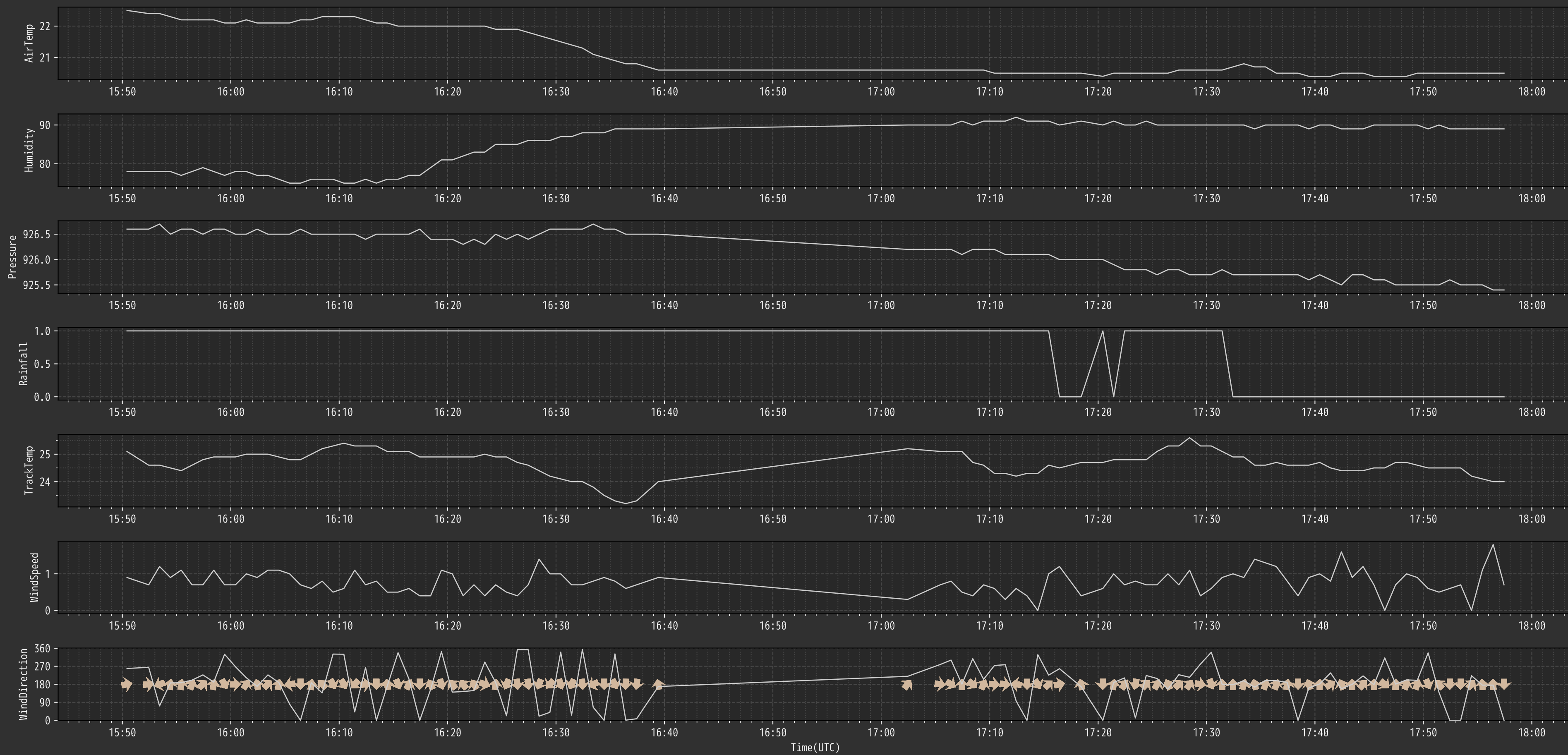
2024 Rd21 São Paulo Grand Prix RaceLapchart



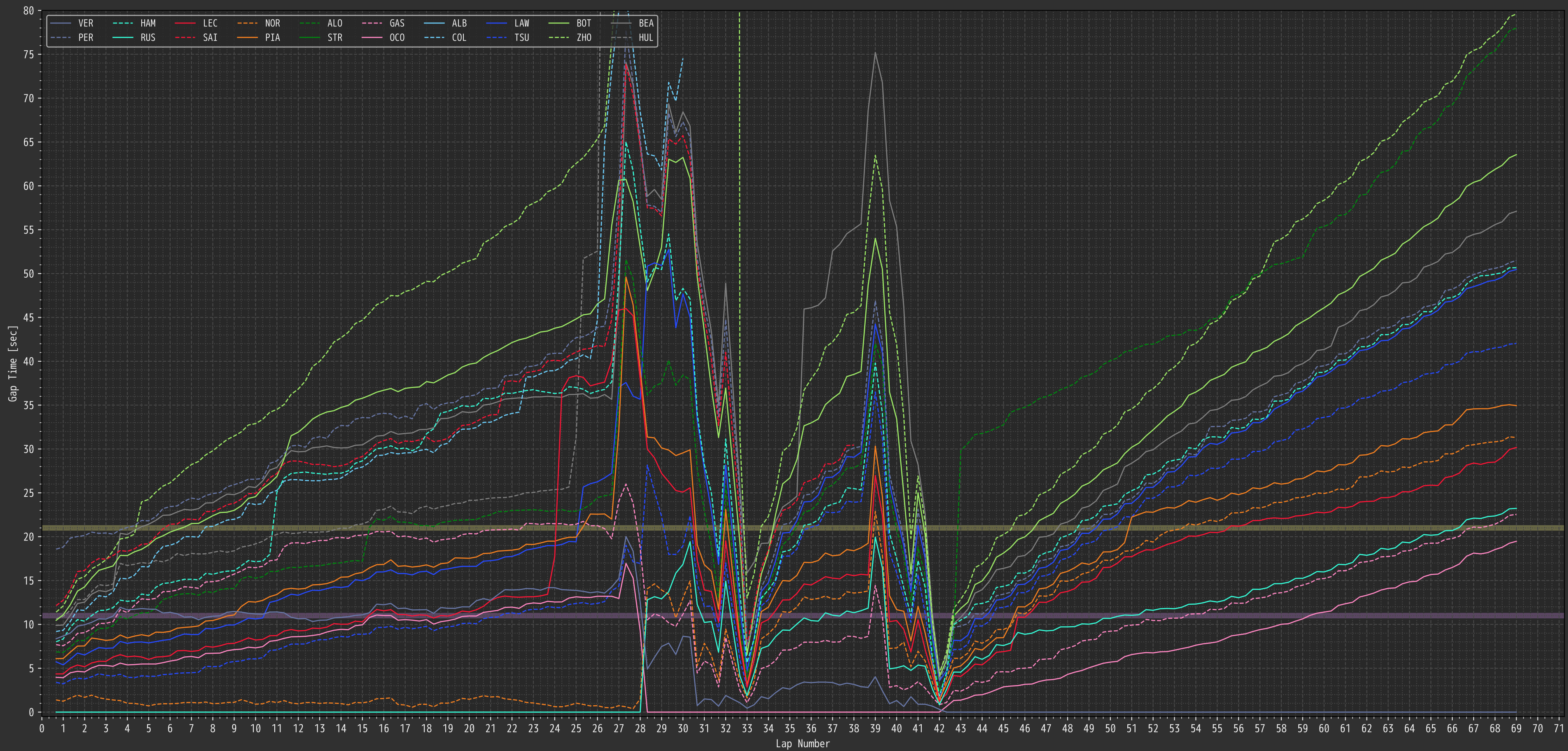
2024 Rd21 São Paulo Grand Prix R Tyre Chart



2024 Rd21 São Paulo Grand Prix Race Weather Data



2024 Rd21 São Paulo Grand Prix Race Gap Time



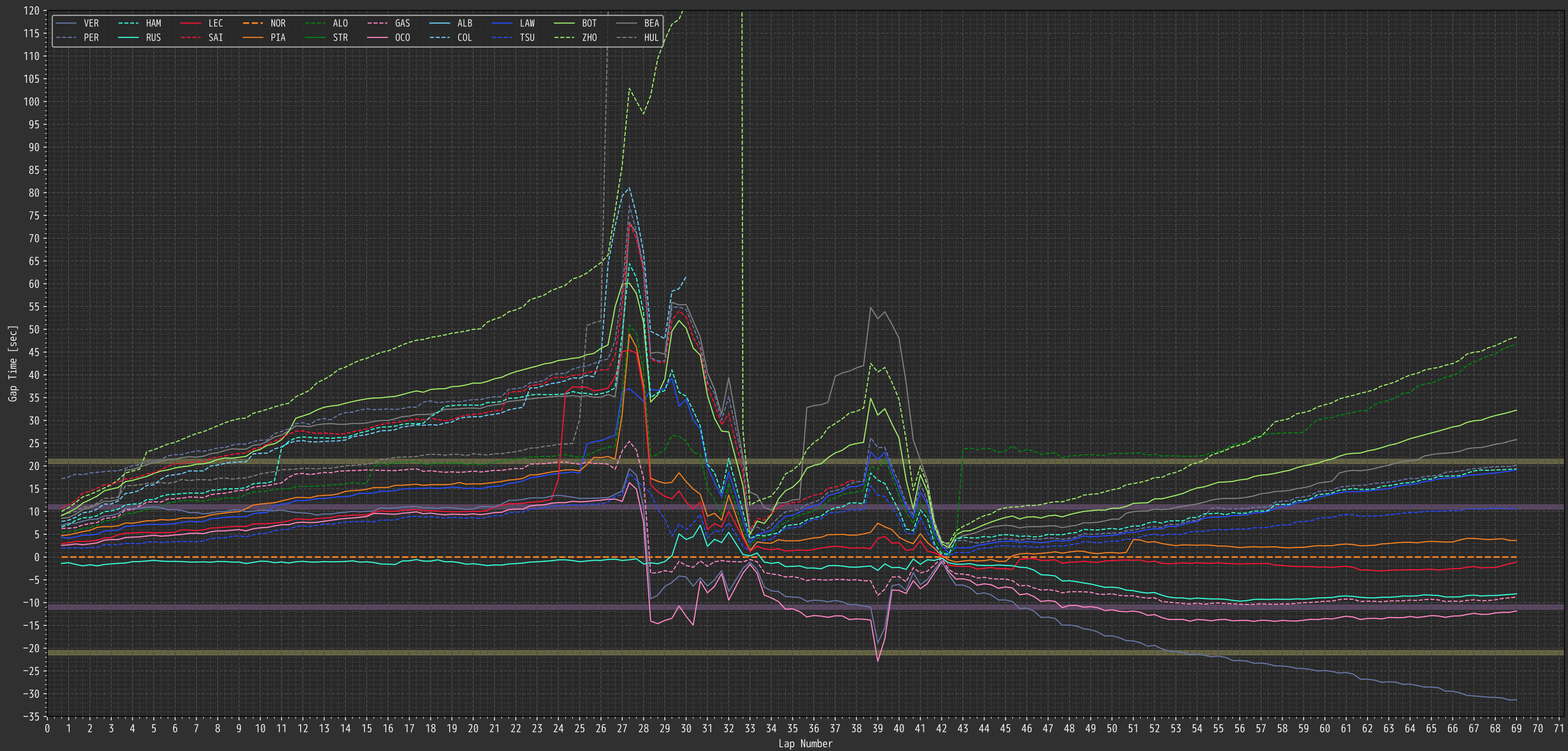
2024 Rd21 São Paulo Grand Prix Race Gap Time(Ref=VER)



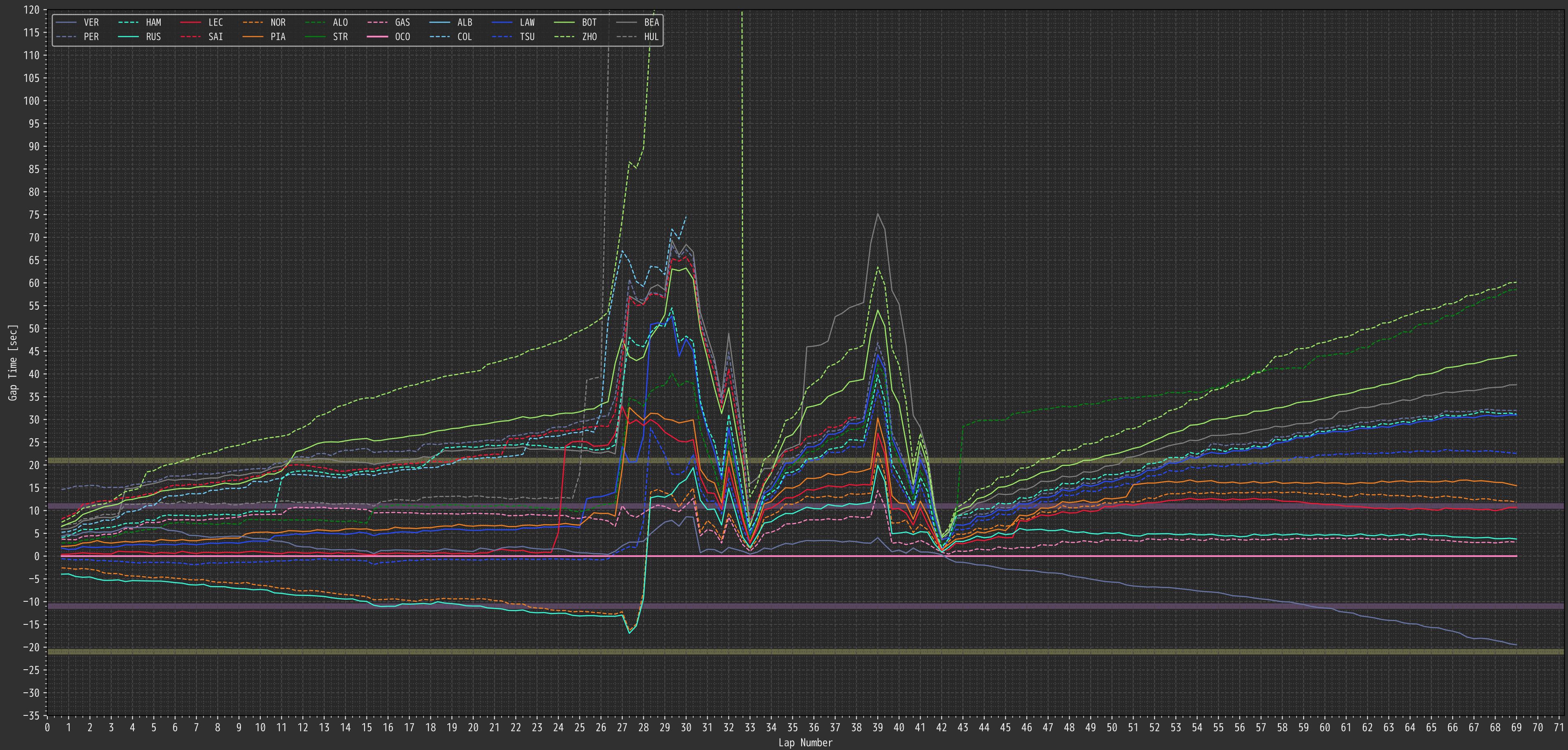
2024 Rd21 São Paulo Grand Prix Race Gap Time(Ref=TSU)



2024 Rd21 São Paulo Grand Prix Race Gap Time(Ref=NOR)

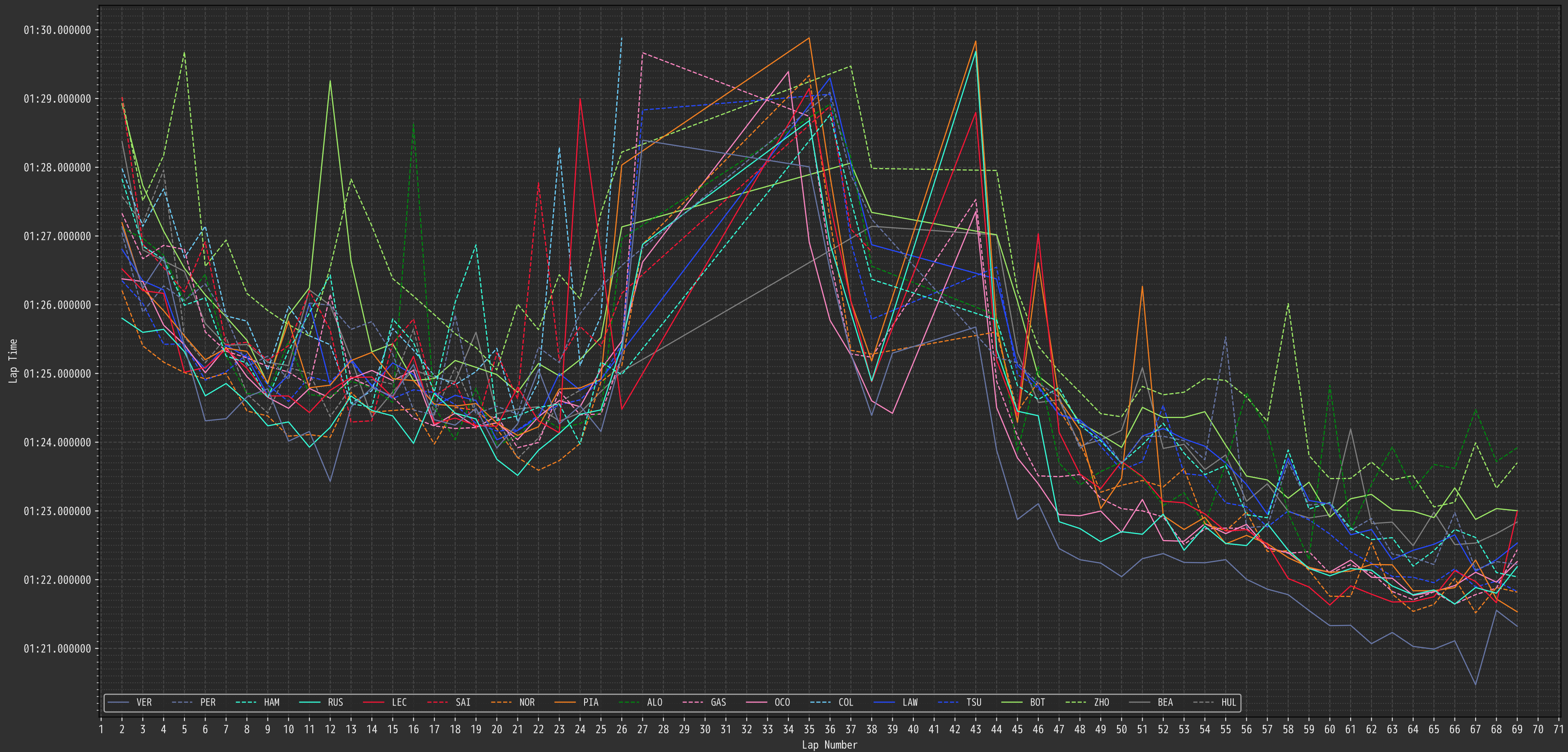


2024 Rd21 São Paulo Grand Prix Race Gap Time(Ref=OCO)

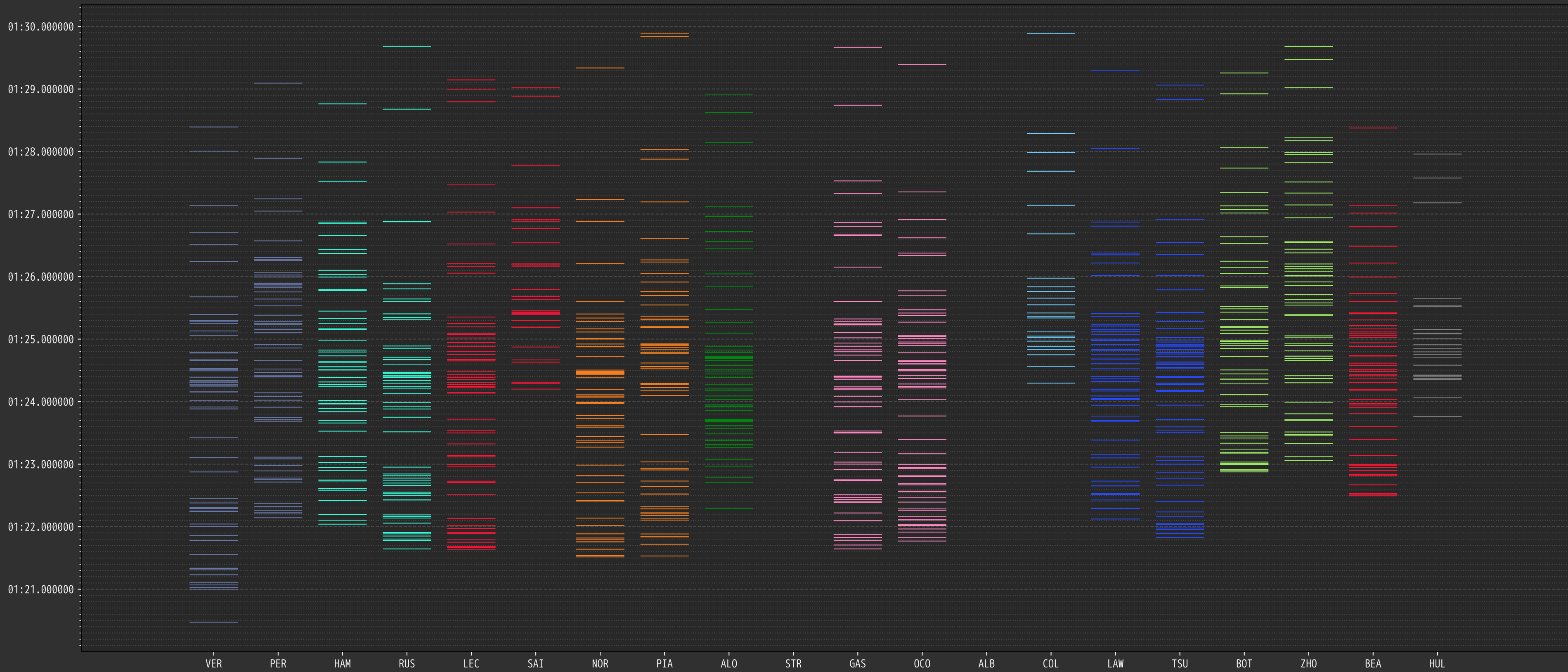


2024 Rd21 São Paulo Grand Prix Race Gap Time(Ref=GAS)

2024 Rd21 São Paulo Grand Prix Race ラップタイム
(1:30.000までのタイムを抽出)



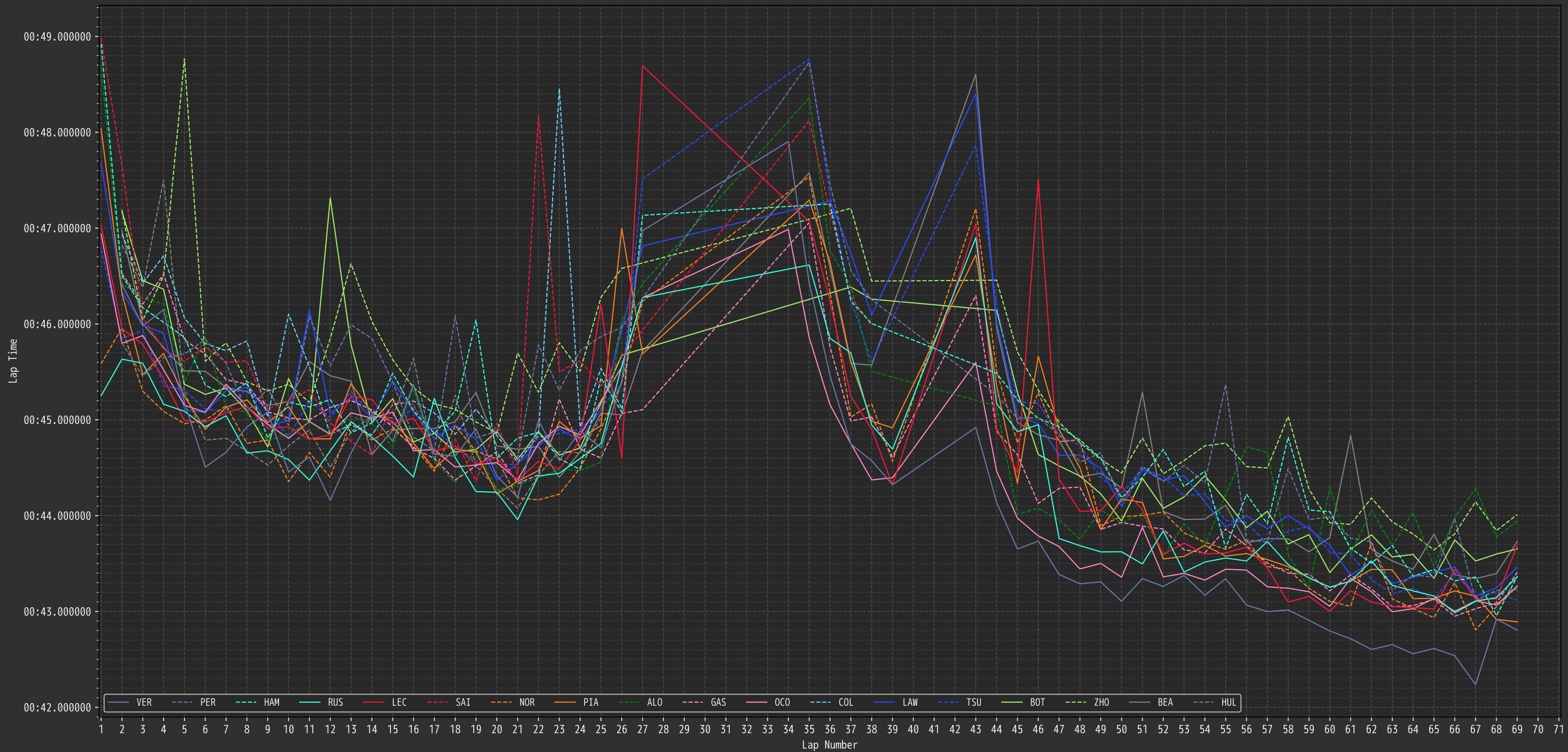
2024 Rd21 São Paulo Grand Prix Race Laptime Raster Plot
(1:30.000までのタイムを抽出)



2024 Rd21 São Paulo Grand Prix Race 直線近似
各スティントで1:20.000以上1:30.000以下の周回が3周以上の場合に算出

2024 Rd21 São Paulo Grand Prix Race Sector1Time
(0:23.500までのタイムを抽出)

2024 Rd21 São Paulo Grand Prix Race Sector2Time
(0:49.000までのタイムを抽出)



2024 Rd21 São Paulo Grand Prix Race Sector3Time
(0:20.000までのタイムを抽出)

2024 Rd21 São Paulo Grand Prix Race Sector1Timeの直線近似 直線近似
各ステントで0:20.000以上0:23.500以下の周回が3周以上の場合に算出



2024 Rd21 São Paulo Grand Prix Race Sector2Timeの直線近似 直線近似
各ステントで0:42.000以上0:49.000以下の周回が3周以上の場合に算出

2024 Rd21 São Paulo Grand Prix Race Sector3Timeの直線近似 直線近似
各ステントで0:17.000以上0:20.000以下の周回が3周以上の場合に算出

Sector3Time

00:20.000000

00:19.000000

00:18.000000

VER PER HAM RUS LEC SAI NOR PIA ALO GAS OCO COL LAW TSU BOT ZHO BEA HUL

Lap Number

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71



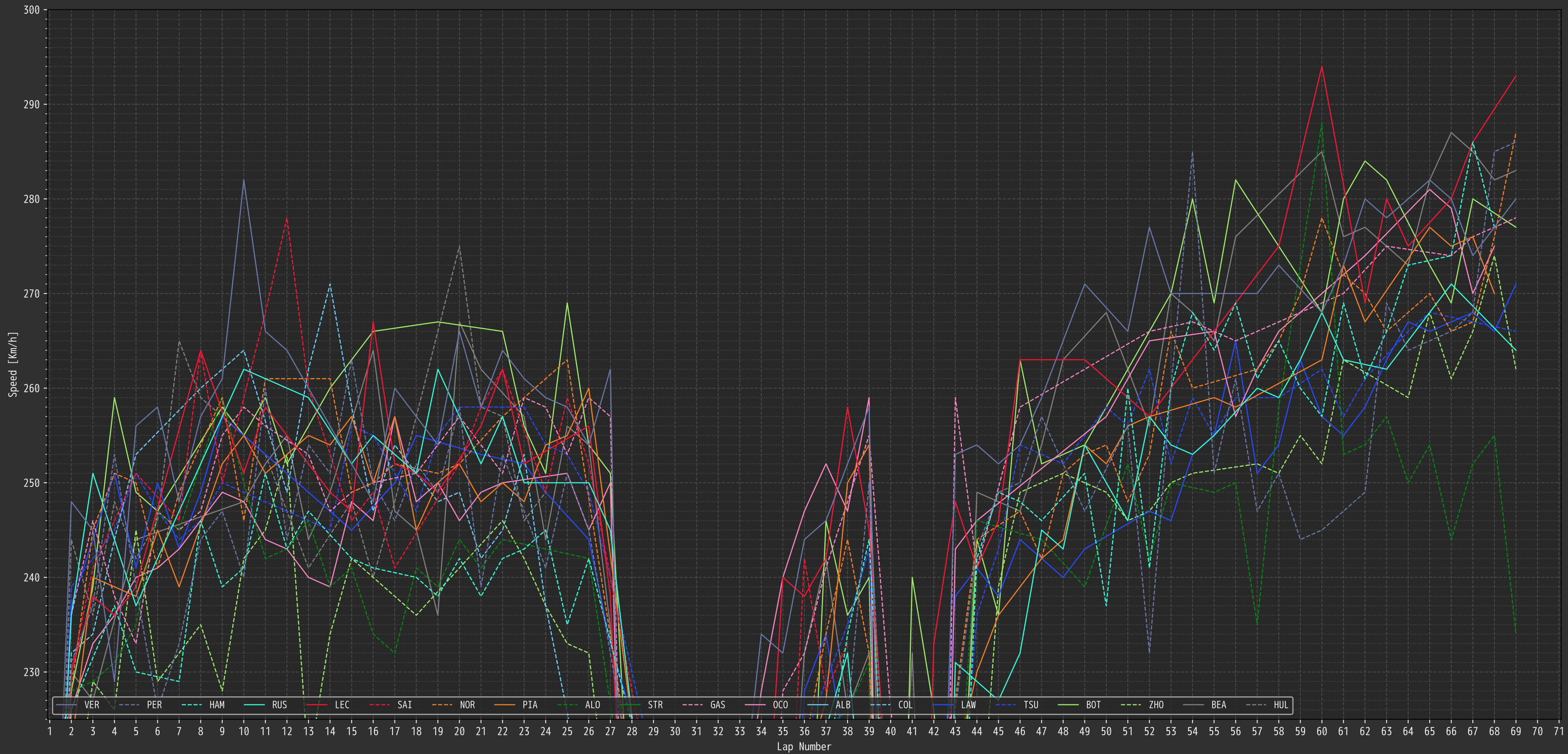
2024 Rd21 São Paulo Grand Prix Race:Sector1 speed(Km/h)

2024 Rd21 São Paulo Grand PrixRace:Sector2 speed(Km/h)

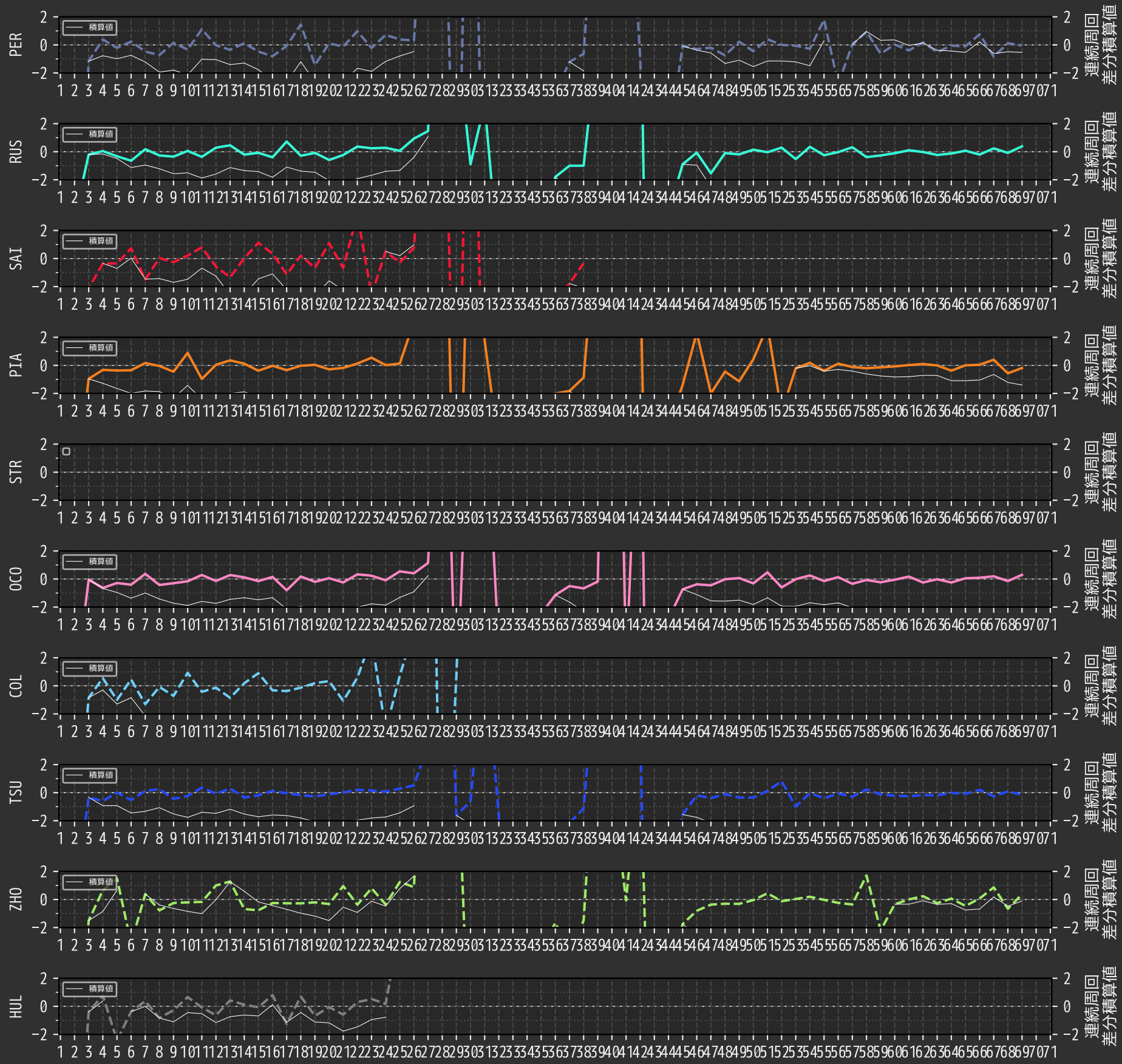
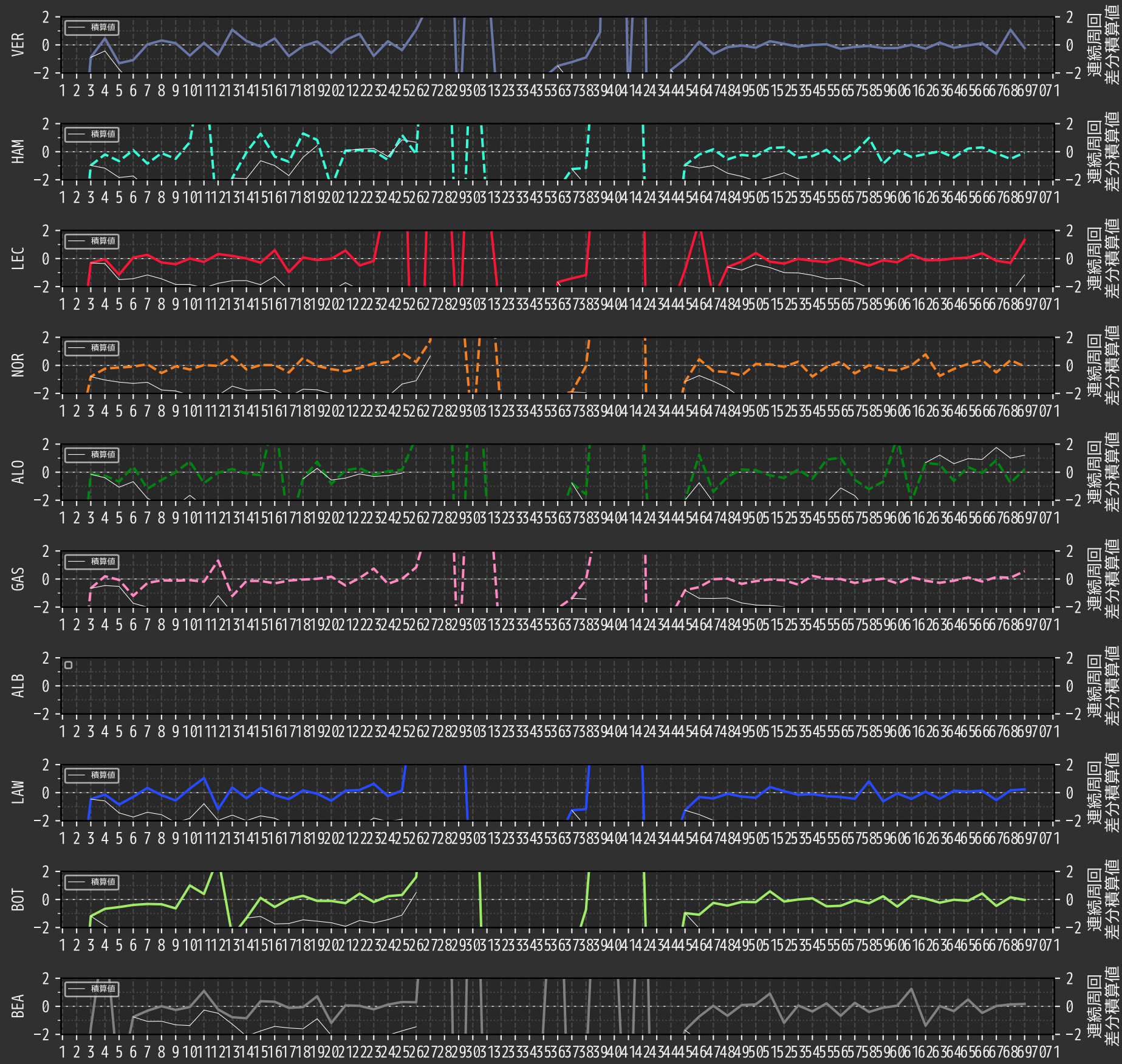


2024 Rd21 São Paulo Grand Prix Race:Finish Line speed(Km/h)

2024 Rd21 São Paulo Grand Prix Race:Speed Trap speed(Km/h)



2024 Rd21 São Paulo Grand PrixRace 前ラップとの差分



	Time	Category	Message	Status	Flag	Scope	Sector	RacingNumber	Lap
0	2024-11-03 14:44:52	Other	PINK HEAD PADDING MATERIAL MUST BE USED				nan		1
1	2024-11-03 14:44:59	Other	AWNINGS MAY BE USED				nan		1
2	2024-11-03 14:49:02	Other	LOW GRIP CONDITIONS				nan		1
3	2024-11-03 14:50:01	Flag	GREEN LIGHT - PIT EXIT OPEN		GREEN	Track	nan		1
4	2024-11-03 15:00:01	Other	PIT EXIT CLOSED				nan		1
5	2024-11-03 15:15:12	Other	RISK OF RAIN FOR F1 RACE IS 100%				nan		1
6	2024-11-03 15:27:04	Drs	DRS DISABLED	DISABLED			nan		1
7	2024-11-03 15:31:01	Flag	YELLOW IN TRACK SECTOR 5		YELLOW	Sector	5.0		1
8	2024-11-03 15:32:04	Flag	DOUBLE YELLOW IN TRACK SECTOR 5		DOUBLE YELLOW	Sector	5.0		1
9	2024-11-03 15:33:13	Other	ABORTED START				nan		1
10	2024-11-03 15:36:35	Flag	CLEAR IN TRACK SECTOR 5		CLEAR	Sector	5.0		1
11	2024-11-03 15:36:58	Other	FORMATION LAP WILL START AT 12:47				nan		1
12	2024-11-03 15:37:26	Other	INCIDENT INVOLVING CAR 4 (NOR) NOTED - STARTING PROCEDURE INFRINGEMENT				nan		1
13	2024-11-03 15:38:41	Other	FIA STEWARDS: INCIDENT INVOLVING CAR 4 (NOR) UNDER INVESTIGATION - STARTING PROCEDURE INFRINGEMENT				nan		1
14	2024-11-03 15:49:58	Flag	GREEN LIGHT - PIT EXIT OPEN		GREEN	Track	nan		1
15	2024-11-03 15:51:13	Flag	YELLOW IN TRACK SECTOR 11		YELLOW	Sector	11.0		1
16	2024-11-03 15:51:22	Flag	CLEAR IN TRACK SECTOR 11		CLEAR	Sector	11.0		1
17	2024-11-03 15:55:28	Flag	DOUBLE YELLOW IN TRACK SECTOR 10		DOUBLE YELLOW	Sector	10.0		4
18	2024-11-03 15:55:31	Flag	CLEAR IN TRACK SECTOR 10		CLEAR	Sector	10.0		4
19	2024-11-03 15:57:01	Other	TURN 10 INCIDENT INVOLVING CARS 50 (BEA) AND 43 (COL) NOTED - CAUSING A COLLISION				nan		5
20	2024-11-03 15:58:08	Other	INCIDENT INVOLVING CARS 63 (RUS), 22 (TSU) AND 30 (LAW) NOTED - STARTING PROCEDURE INFRINGEMENT				nan		6
21	2024-11-03 15:58:12	Other	CAR 24 (ZHO) TIME 1:29.677 DELETED - TRACK LIMITS AT TURN 4 LAP 5 12:56:34				nan		6
22	2024-11-03 15:58:29	Other	FIA STEWARDS: TURN 10 INCIDENT INVOLVING CARS 50 (BEA) AND 43 (COL) UNDER INVESTIGATION - CAUSING A COLLISION				nan		6
23	2024-11-03 15:59:20	Other	CAR 43 (COL) TIME 1:27.143 DELETED - TRACK LIMITS AT TURN 2 LAP 6 12:57:37				nan		7
24	2024-11-03 16:01:30	Other	FIA STEWARDS: 10 SECOND TIME PENALTY FOR CAR 50 (BEA) - CAUSING A COLLISION				nan		9
25	2024-11-03 16:05:40	Flag	DOUBLE YELLOW IN TRACK SECTOR 13		DOUBLE YELLOW	Sector	13.0		12
26	2024-11-03 16:05:51	Flag	CLEAR IN TRACK SECTOR 13		CLEAR	Sector	13.0		12
27	2024-11-03 16:06:07	Other	CAR 44 (HAM) TIME 1:31.858 DELETED - TRACK LIMITS AT TURN 12 LAP 11 13:05:45				nan		12
28	2024-11-03 16:07:12	Other	FIA STEWARDS: INCIDENT INVOLVING CAR 4 (NOR) WILL BE INVESTIGATED AFTER THE RACE - STARTING PROCEDURE INFRINGEMENT				nan		13
29	2024-11-03 16:07:18	Other	FIA STEWARDS: INCIDENT INVOLVING CARS 63 (RUS), 22 (TSU) AND 30 (LAW) WILL BE INVESTIGATED AFTER THE RACE - STARTING PROCEDURE INFRINGEMENT				nan		13
30	2024-11-03 16:10:22	Other	CAR 43 (COL) TIME 1:24.750 DELETED - TRACK LIMITS AT TURN 2 LAP 14 13:09:01				nan		15
31	2024-11-03 16:13:05	Other	CAR 14 (ALO) TIME 1:28.626 DELETED - TRACK LIMITS AT TURN 2 LAP 16 13:11:43				nan		17
32	2024-11-03 16:16:17	Other	INCIDENT INVOLVING CAR 43 (COL) NOTED - LEAVING THE TRACK AND GAINING AN ADVANTAGE				nan		19
33	2024-11-03 16:16:46	Other	CAR 43 (COL) TIME 1:24.836 DELETED - TRACK LIMITS AT TURN 2 LAP 18 13:14:42				nan		19
34	2024-11-03 16:18:07	Other	CAR 44 (HAM) TIME 1:26.872 DELETED - TRACK LIMITS AT TURN 2 LAP 19 13:16:09				nan		20
35	2024-11-03 16:21:50	Other	CAR 55 (SAI) TIME 1:27.774 DELETED - TRACK LIMITS AT TURN 4 LAP 22 13:20:41				nan		23
36	2024-11-03 16:23:12	Other	CAR 43 (COL) TIME 1:28.291 DELETED - TRACK LIMITS AT TURN 4 LAP 23 13:22:04				nan		24
37	2024-11-03 16:25:48	Flag	DOUBLE YELLOW IN TRACK SECTOR 2		DOUBLE YELLOW	Sector	2.0		26
38	2024-11-03 16:25:52	Flag	CLEAR IN TRACK SECTOR 2		CLEAR	Sector	2.0		26
39	2024-11-03 16:26:36	Other	FIA STEWARDS: INCIDENT INVOLVING CAR 43 (COL) REVIEWED NO FURTHER INVESTIGATION - LEAVING THE TRACK AND GAINING AN ADVANTAGE				nan		26
40	2024-11-03 16:27:07	Other	TURN 1 INCIDENT INVOLVING CARS 81 (PIA) AND 30 (LAW) NOTED - CAUSING A COLLISION				nan		27
41	2024-11-03 16:27:26	Other	CAR 30 (LAW) TIME 1:32.246 DELETED - TRACK LIMITS AT TURN 2 LAP 26 13:25:46				nan		27
42	2024-11-03 16:27:42	Flag	DOUBLE YELLOW IN TRACK SECTOR 2		DOUBLE YELLOW	Sector	2.0		27
43	2024-11-03 16:27:45	Flag	YELLOW IN TRACK SECTOR 2		YELLOW	Sector	2.0		27
44	2024-11-03 16:27:52	Flag	CLEAR IN TRACK SECTOR 1		CLEAR	Sector	1.0		27
45	2024-11-03 16:28:21	SafetyCar	VIRTUAL SAFETY CAR DEPLOYED	DEPLOYED			nan		28
46	2024-11-03 16:28:37	Flag	DOUBLE YELLOW IN TRACK SECTOR 2		DOUBLE YELLOW	Sector	2.0		28
47	2024-11-03 16:29:49	Flag	CLEAR IN TRACK SECTOR 2		CLEAR	Sector	2.0		28
48	2024-11-03 16:29:50	SafetyCar	VIRTUAL SAFETY CAR ENDING	ENDING			nan		28
49	2024-11-03 16:30:04	Flag	TRACK CLEAR		CLEAR	Track	nan		29
50	2024-11-03 16:30:21	Other	FIA STEWARDS: TURN 1 INCIDENT INVOLVING CARS 81 (PIA) AND 30 (LAW) UNDER INVESTIGATION - CAUSING A COLLISION				nan		29
51	2024-11-03 16:31:07	Other	FIA STEWARDS: 10 SECOND TIME PENALTY FOR CAR 81 (PIA) - CAUSING A COLLISION				nan		29
52	2024-11-03 16:32:28	Flag	WAVED BLUE FLAG FOR CAR 24 (ZHO) TIMED AT 13:32:27		BLUE	Driver	nan	24	30
53	2024-11-03 16:32:48	Other	CAR 30 (LAW) TIME 2:05.322 DELETED - TRACK LIMITS AT TURN 5 LAP 29 13:31:38				nan		30
54	2024-11-03 16:32:53	SafetyCar	SAFETY CAR DEPLOYED	DEPLOYED			nan		30
55	2024-11-03 16:35:57	Other	INCIDENT INVOLVING CAR 27 (HUL) NOTED - CONTINUING ON TRACK AFTER RECEIVING ASSISTANCE				nan		31
56	2024-11-03 16:36:22	Other	CAR 63 (RUS) TIME 2:05.485 DELETED - TRACK LIMITS AT TURN 2 LAP 31 13:34:24				nan		32
57	2024-11-03 16:37:06	Flag	DOUBLE YELLOW IN TRACK SECTOR 14		DOUBLE YELLOW	Sector	14.0		32
58	2024-11-03 16:37:22	Flag	RED FLAG		RED	Track	nan		32
59	2024-11-03 16:37:22	Flag	CLEAR IN TRACK SECTOR 14		CLEAR	Sector	14.0		32
60	2024-11-03 16:40:51	Other	AWNINGS MAY BE USED				nan		33
61	2024-11-03 16:41:26	Other	TURN 1 INCIDENT INVOLVING CARS 44 (HAM) AND 30 (LAW) NOTED - CAUSING A COLLISION				nan		33
62	2024-11-03 16:47:33	Other	FIA STEWARDS: BLACK FLAG FOR CAR 27 (HUL)				nan		33
63	2024-11-03 16:48:26	Other	PUSH CARS TO FRONT IN ORDER: 24				nan		33
64	2024-11-03 16:49:04	Other	FIA STEWARDS: TURN 1 INCIDENT INVOLVING CARS 44 (HAM) AND 30 (LAW) REVIEWED NO FURTHER INVESTIGATION - CAUSING A COLLISION				nan		33
65	2024-11-03 16:51:37	Other	RACE WILL RESUME AT 14:02				nan		33
66	2024-11-03 16:52:43	Other	ORDER FOR RESTART: 31, 1, 10, 4, 63, 22, 16, 81, 14, 30, 44, 77, 55, 11, 50, 24				nan		33
67	2024-11-03 17:00:01	Other	RACE WILL RESUME AT 14:06 - ROLLING START PROCEDURE				nan		33
68	2024-11-03 17:00:20	Other	RACE WILL RESUME AT 14:02 - ROLLING START PROCEDURE				nan		33
69	2024-11-03 17:01:15	Flag	TRACK CLEAR		CLEAR	Track	nan		33
70	2024-11-03 17:02:36	Other	ROLLING START				nan		33
71	2024-11-03 17:04:23	Flag	DOUBLE YELLOW IN TRACK SECTOR 13		DOUBLE YELLOW	Sector	13.0		33
72	2024-11-03 17:04:41	Flag	CLEAR IN TRACK SECTOR 13		CLEAR	Sector	13.0		34
73	2024-11-03 17:06:35	Other	CAR 4 (NOR) TIME 1:36.887 DELETED - TRACK LIMITS AT TURN 4 LAP 34 14:05:12				nan		35
74	2024-11-03 17:06:37	Other	CAR 16 (LEC) TIME 1:37.098 DELETED - TRACK LIMITS AT TURN 8 LAP 34 14:05:35				nan		35
75	2024-11-03 17:08:43	Flag	YELLOW IN TRACK SECTOR 7		YELLOW	Sector	7.0		36
76	2024-11-03 17:08:45	Flag	DOUBLE YELLOW IN TRACK SECTOR 7		DOUBLE YELLOW	Sector	7.0		36
77	2024-11-03 17:08:46	Flag	YELLOW IN TRACK SECTOR 8		YELLOW	Sector	8.0		36
78	2024-11-03 17:08:51	Flag	CLEAR IN TRACK SECTOR 7		CLEAR	Sector	7.0		36
79	2024-11-03 17:09:01	Flag	CLEAR IN TRACK SECTOR 8		CLEAR	Sector	8.0		36
80	2024-11-03 17:09:55	Other	CAR 50 (BEA) TIME 1:47.937 DELETED - TRACK LIMITS AT TURN 7 LAP 36 14:08:58				nan		37
81	2024-11-03 17:10:59	Flag	DOUBLE YELLOW IN TRACK SECTOR 13		DOUBLE YELLOW	Sector	13.0		38
82	2024-11-03 17:11:07	Flag	CLEAR IN TRACK SECTOR 13		CLEAR	Sector	13.0		38
83	2024-11-03 17:12:02	Other	CAR 50 (BEA) TIME 1:31.737 DELETED - TRACK LIMITS AT TURN 12 LAP 37 14:11:02				nan		39
84	2024-11-03 17:13:11	Flag	DOUBLE YELLOW IN TRACK SECTOR 9		DOUBLE YELLOW	Sector	9.0		39
85	2024-11-03 17:13:13	Flag	DOUBLE YELLOW IN TRACK SECTOR 8		DOUBLE YELLOW	Sector	8.0		39
86	2024-11-03 17:13:14	SafetyCar	SAFETY CAR DEPLOYED	DEPLOYED			nan		39
87	2024-11-03 17:15:44	Other	INCIDENT INVOLVING CAR 55 (SAI) NOTED				nan		41
88	2024-11-03 17:18:04	SafetyCar	SAFETY CAR IN THIS LAP	IN THIS LAP			nan		42
89	2024-11-03 17:18:11	Flag	CLEAR IN TRACK SECTOR 8		CLEAR	Sector	8.0		42
90	2024-11-03 17:18:12	Flag	CLEAR IN TRACK SECTOR 9		CLEAR	Sector	9.0		42
91	2024-11-03 17:19:29	Flag	TRACK CLEAR		CLEAR	Track	nan		42
92	2024-11-03 17:20:44	Other	FIA STEWARDS: INCIDENT INVOLVING CAR 55 (SAI) WILL BE INVESTIGATED AFTER THE RACE				nan		43
93	2024-11-03 17:21:17	Flag	DOUBLE YELLOW IN TRACK SECTOR 13		DOUBLE YELLOW	Sector	13.0		43
94	2024-11-03 17:21:34	Other	CAR 4 (NOR) TIME 1:31.039 DELETED - TRACK LIMITS AT TURN 2 LAP 43 14:20:07				nan		44
95	2024-11-03 17:21:39	Flag	CLEAR IN TRACK SECTOR 13		CLEAR	Sector	13.0		44
96	2024-11-03 17:23:15	Other	CAR 14 (ALO) TIME 1:53.466 DELETED - TRACK LIMITS AT TURN 12 LAP 43 14:21:23				nan		45
97	2024-11-03 17:25:23	Other	TURN 4 INCIDENT INVOLVING CAR 16 (LEC) NOTED - REJOINING UNSAFELY				nan		46
98	2024-11-03 17:26:57	Other	CAR 16 (LEC) TIME 1:27.032 DELETED - TRACK LIMITS AT TURN 4 LAP 46 14:24:43				nan		48
99	2024-11-03 17:31:07	Other	FIA STEWARDS: TURN 4 INCIDENT INVOLVING CAR 16 (LEC) REVIEWED NO FURTHER INVESTIGATION - REJOINING UNSAFELY				nan		51
100	2024-11-03 17:32:30	Flag	DOUBLE YELLOW IN TRACK SECTOR 13		DOUBLE YELLOW	Sector	13.0		52
101	2024-11-03 17:32:35	Flag	CLEAR IN TRACK SECTOR 13		CLEAR	Sector	13.0		52
102	2024-11-03 17:32:58	Other	CAR 81 (PIA) TIME 1:26.267 DELETED - TRACK LIMITS AT TURN 12 LAP 51 14:32:31				nan		52
103	2024-11-03 17:38:02	Other	TURN 2 INCIDENT INVOLVING CARS 11 (PER) AND 30 (LAW) NOTED				nan		56
104	2024-11-03 17:43:05	Other	FIA STEWARDS: TURN 2 INCIDENT INVOLVING CARS 11 (PER) AND 30 (LAW) REVIEWED NO FURTHER INVESTIGATION				nan		59
105	2024-11-03 17:45:42	Other	CAR 14 (ALO) TIME 1:24.826 DELETED - TRACK LIMITS AT TURN 2 LAP 60 14:44:20				nan		61
106	2024-11-03 17:56:52	Flag	CHEQUERED FLAG		CHEQUERED	Track	nan		69