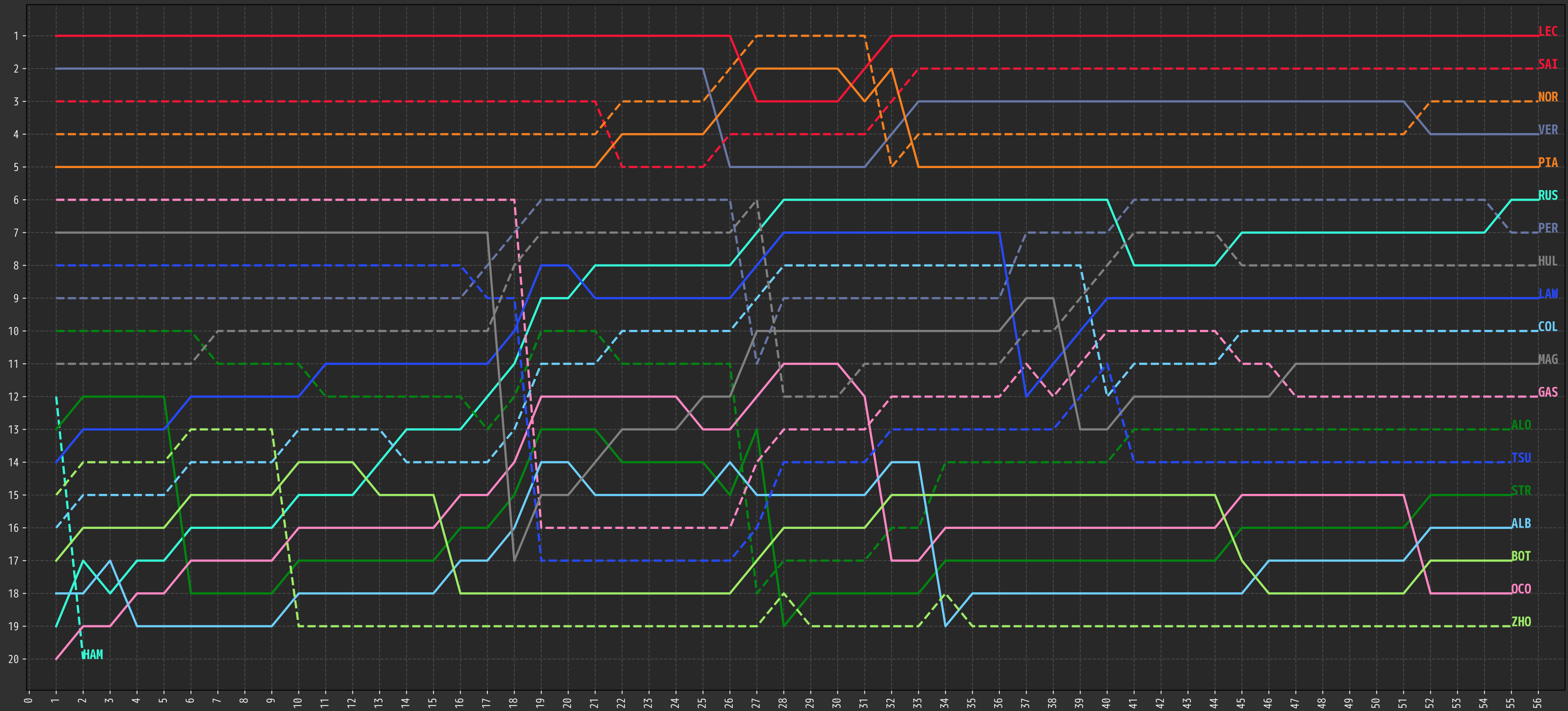
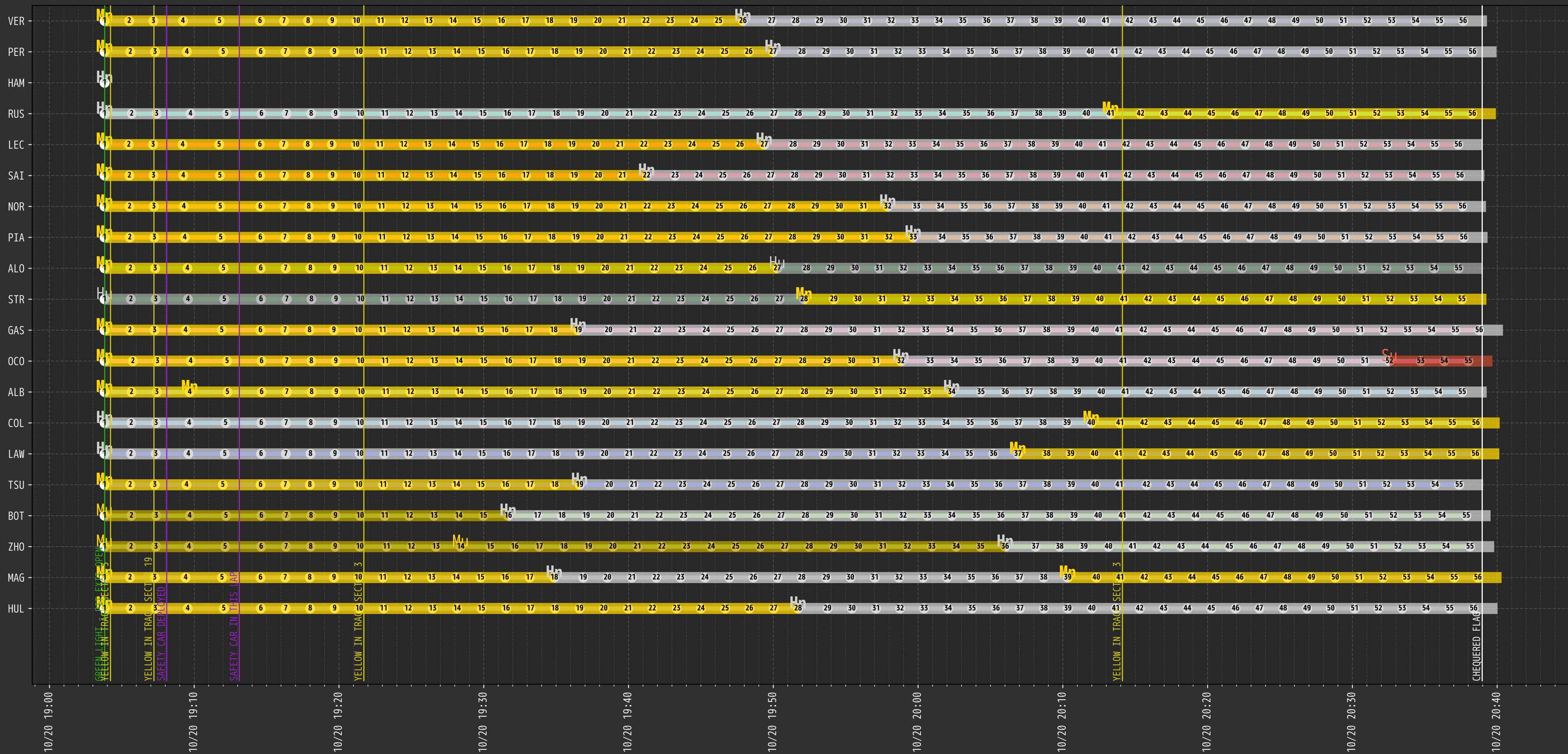


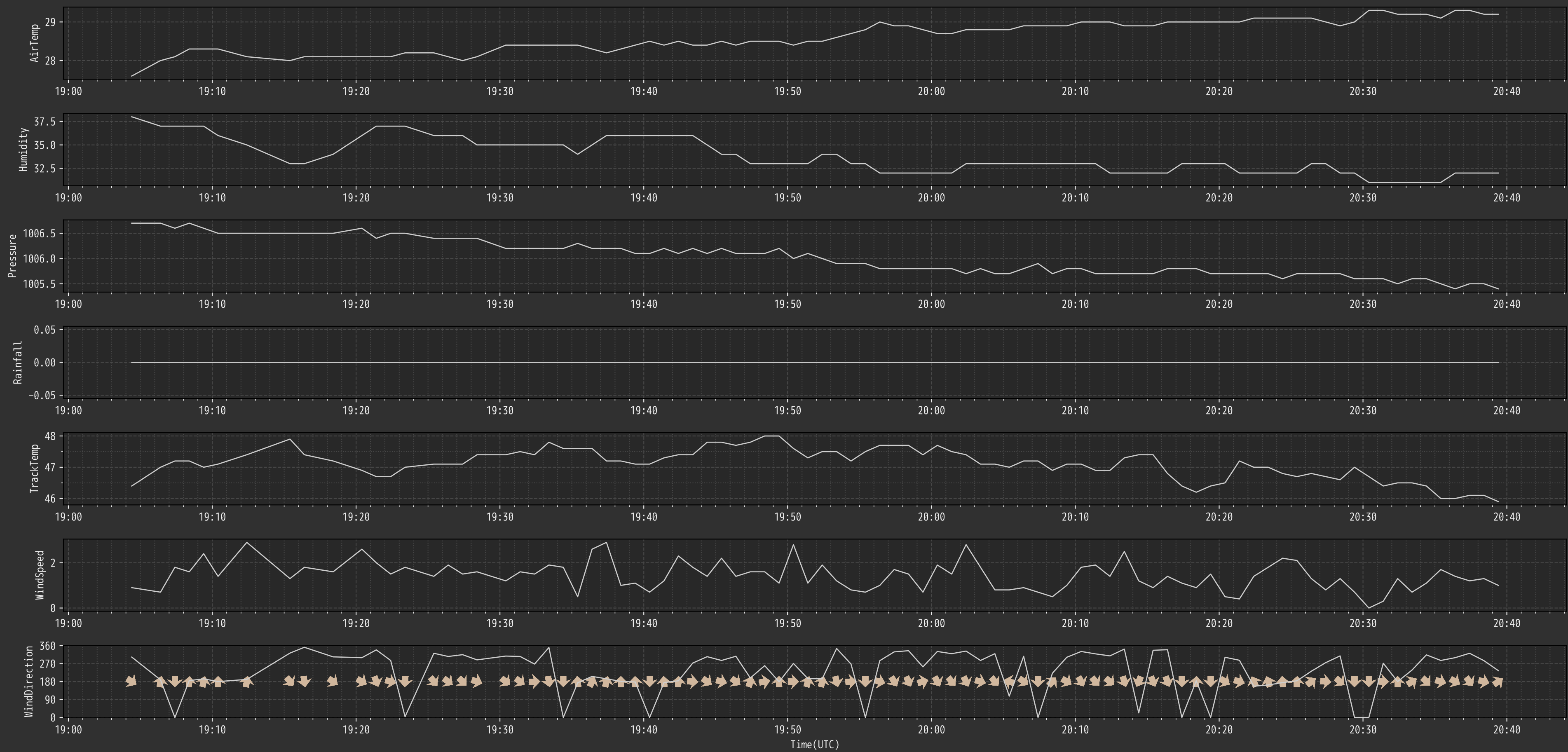
2024 Rd19 United States Grand Prix RaceLapchart



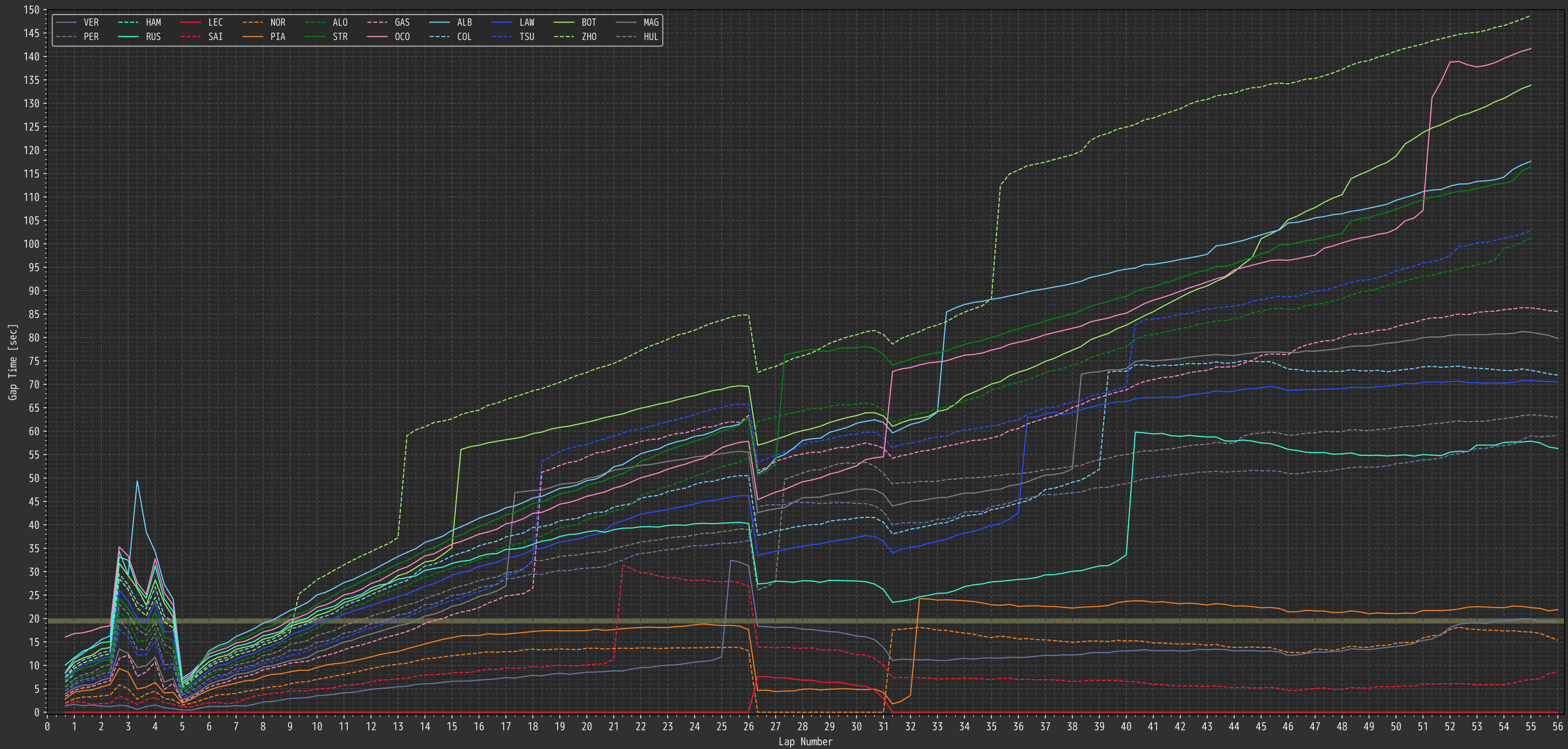
2024 Rd19 United States Grand Prix R Tyre Chart



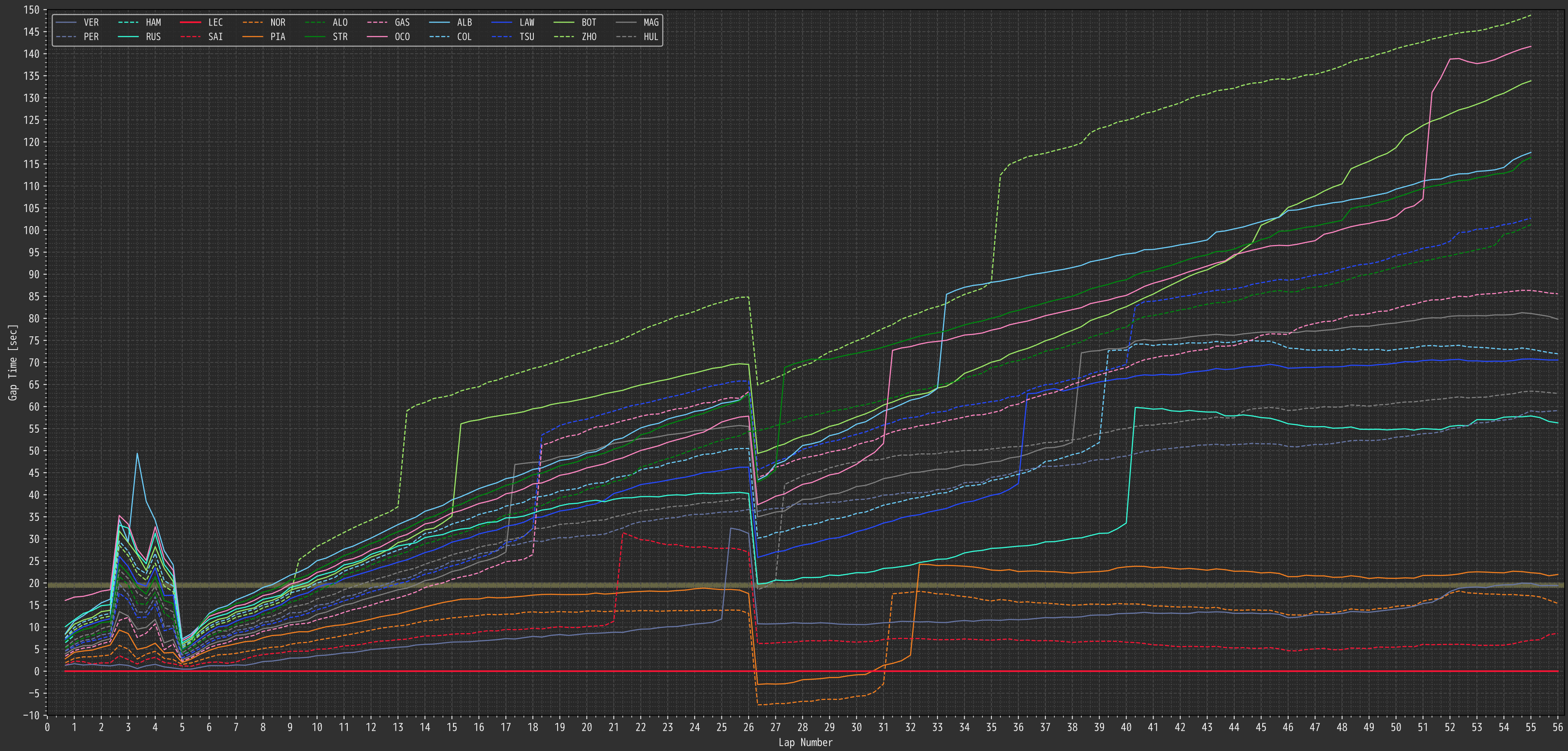
2024 Rd19 United States Grand Prix Race Weather Data



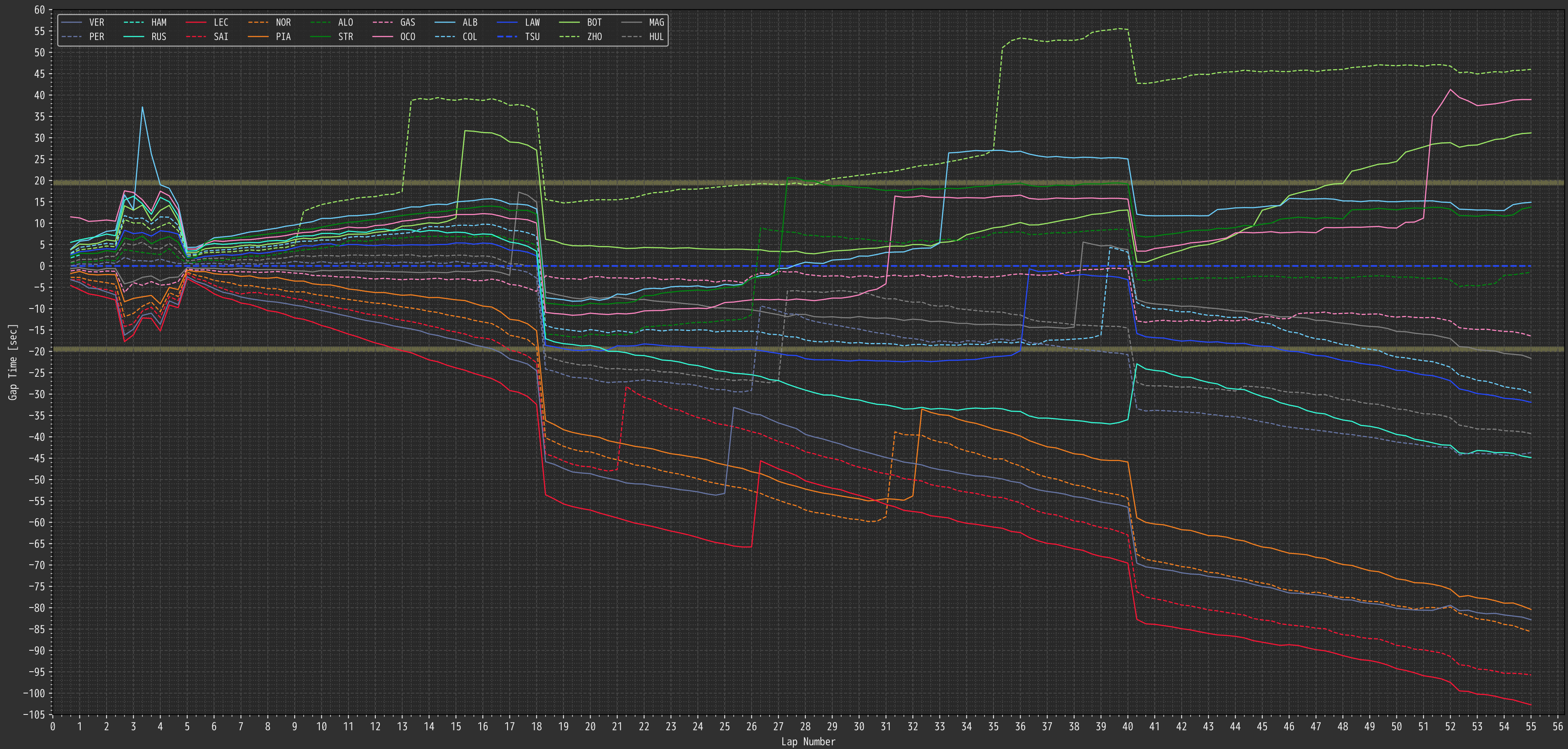
2024 Rd19 United States Grand Prix Race Gap Time



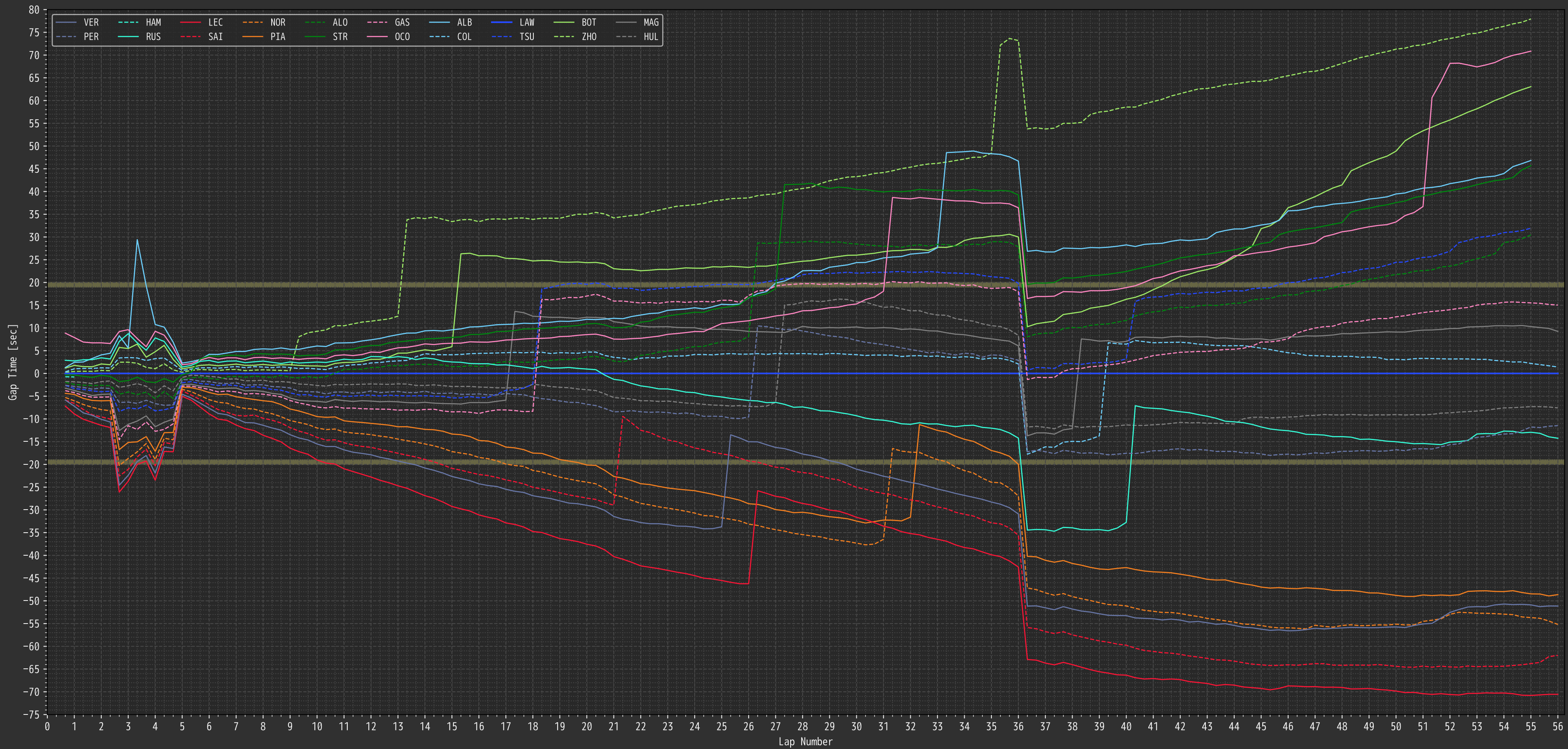
2024 Rd19 United States Grand Prix Race Gap Time(Ref=LEC)



2024 Rd19 United States Grand Prix Race Gap Time(Ref=TSU)

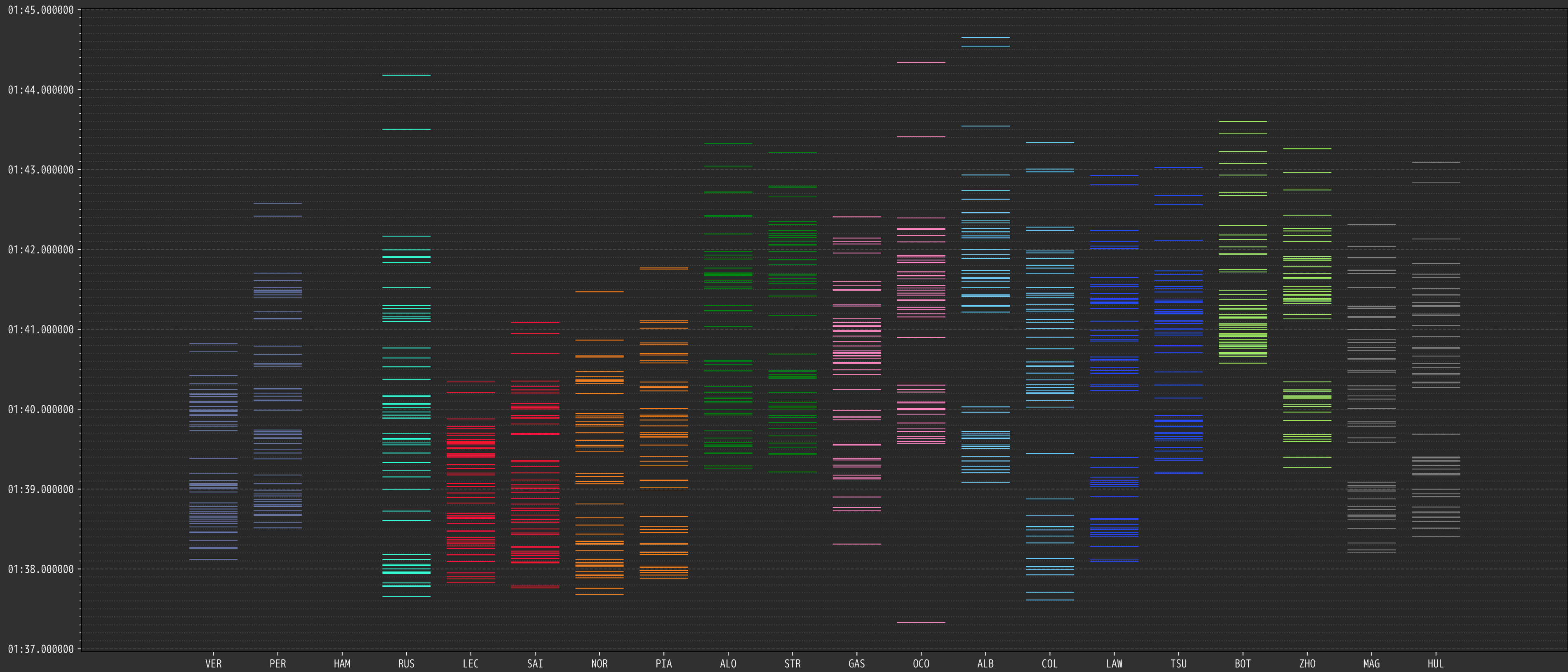


2024 Rd19 United States Grand Prix Race Gap Time(Ref=LAW)

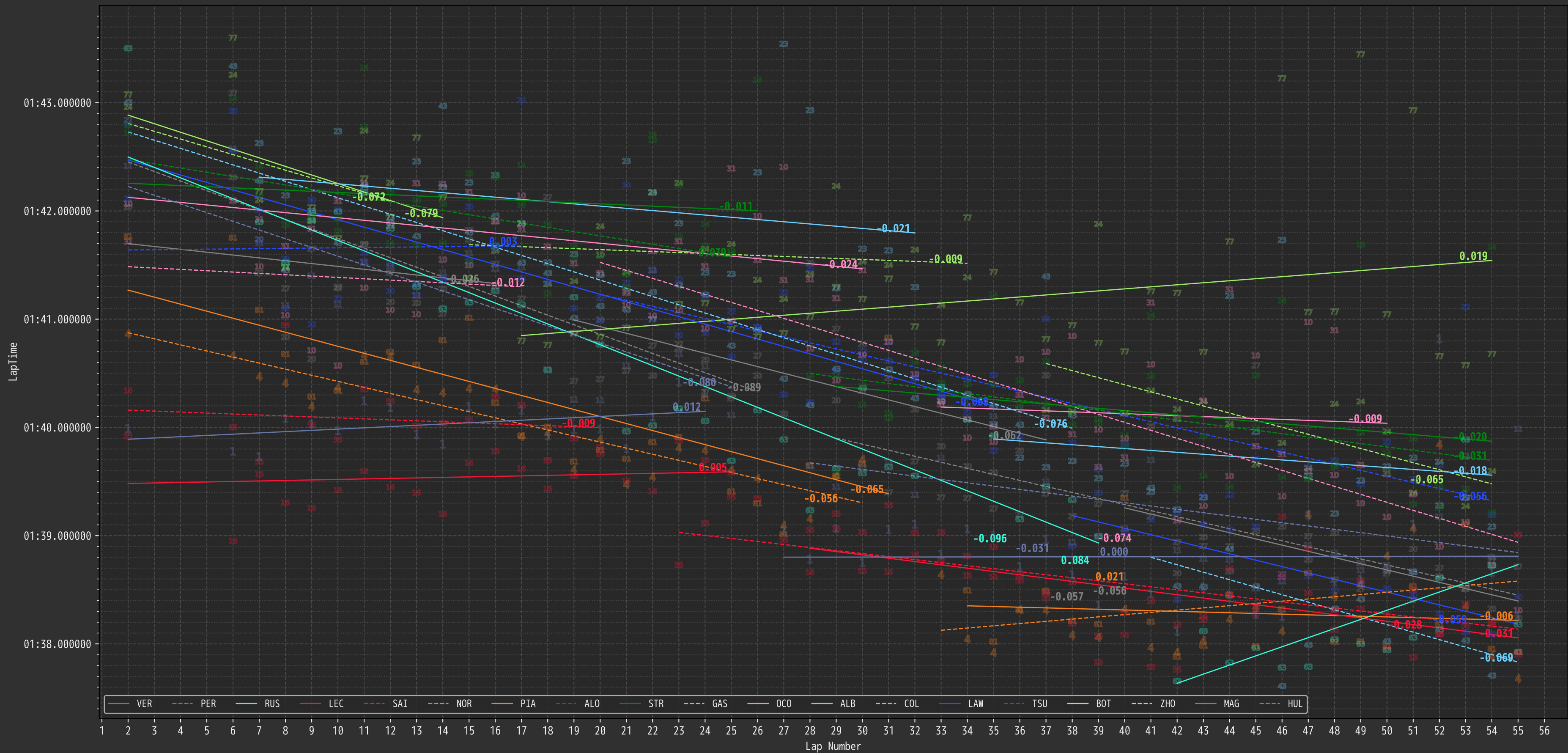


2024 Rd19 United States Grand Prix Race ラップタイム
(1:45.000までのタイムを抽出)

2024 Rd19 United States Grand Prix Race Laptime Raster Plot
(1:45.000までのタイムを抽出)



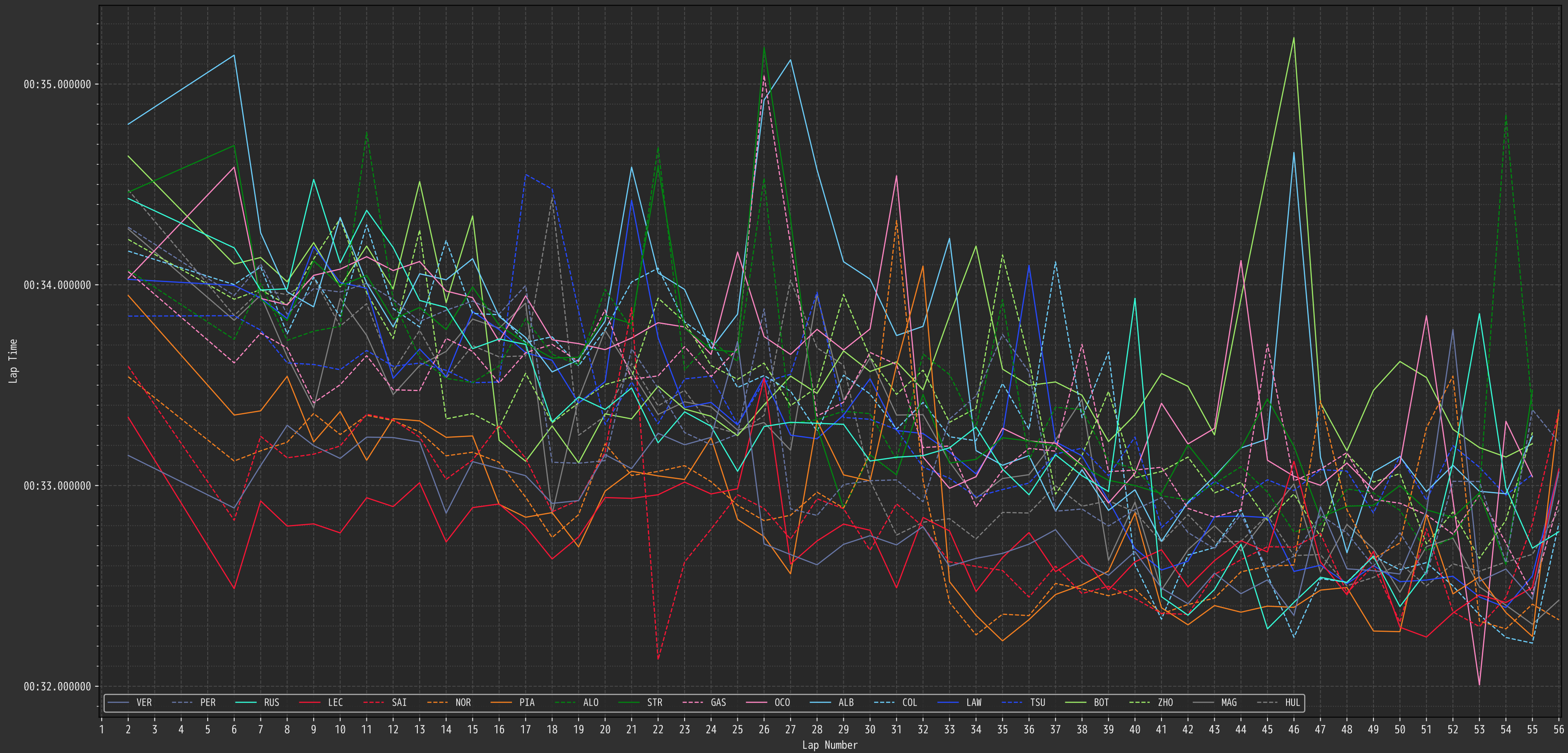
2024 Rd19 United States Grand Prix Race 直線近似
各ステントで1:36.000以上1:44.000以下の周回が3周以上の場合に算出



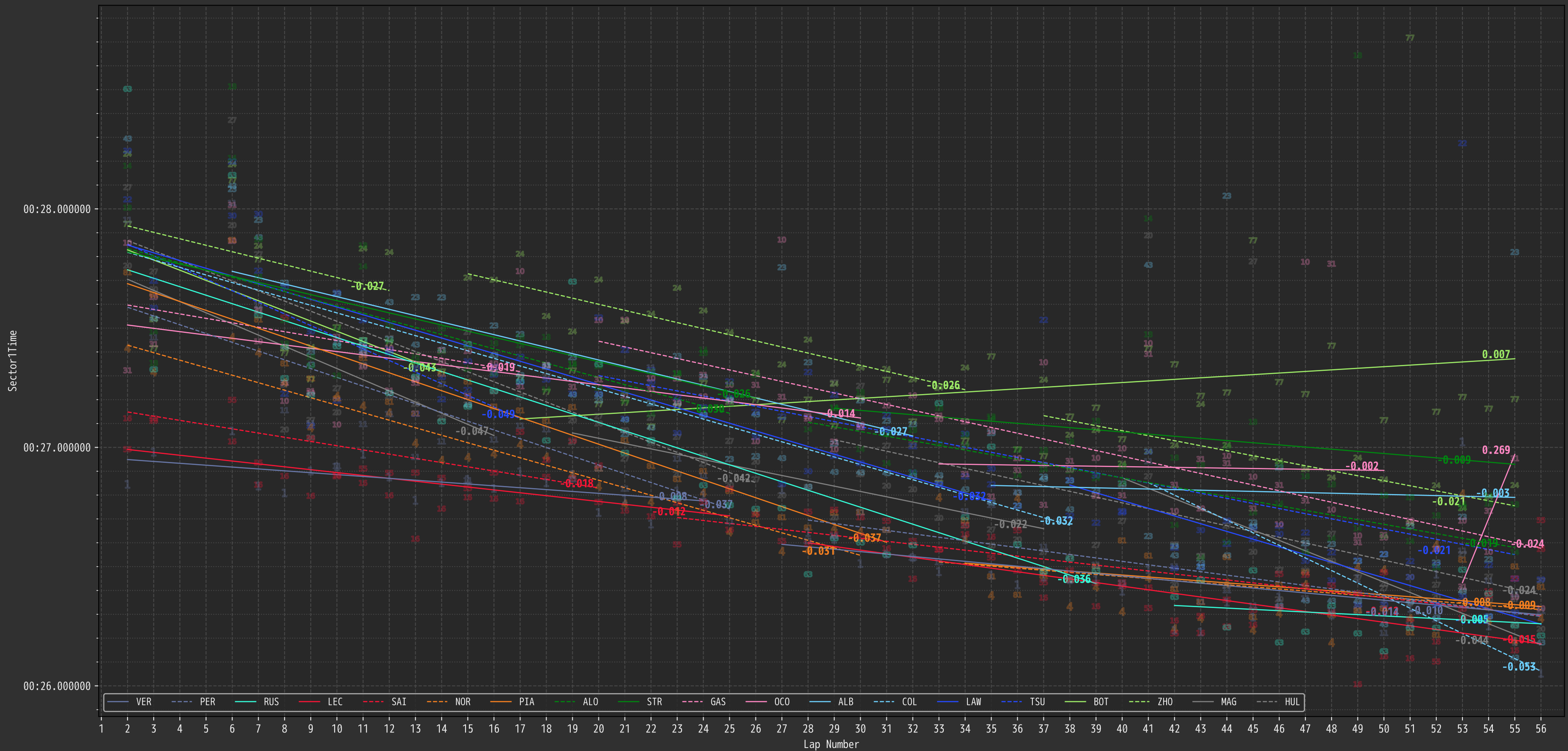
2024 Rd19 United States Grand Prix Race Sector1Time
(0:29.000までのタイムを抽出)

2024 Rd19 United States Grand Prix Race Sector2Time
(0:42.000までのタイムを抽出)

2024 Rd19 United States Grand Prix Race Sector3Time
(0:35.300までのタイムを抽出)

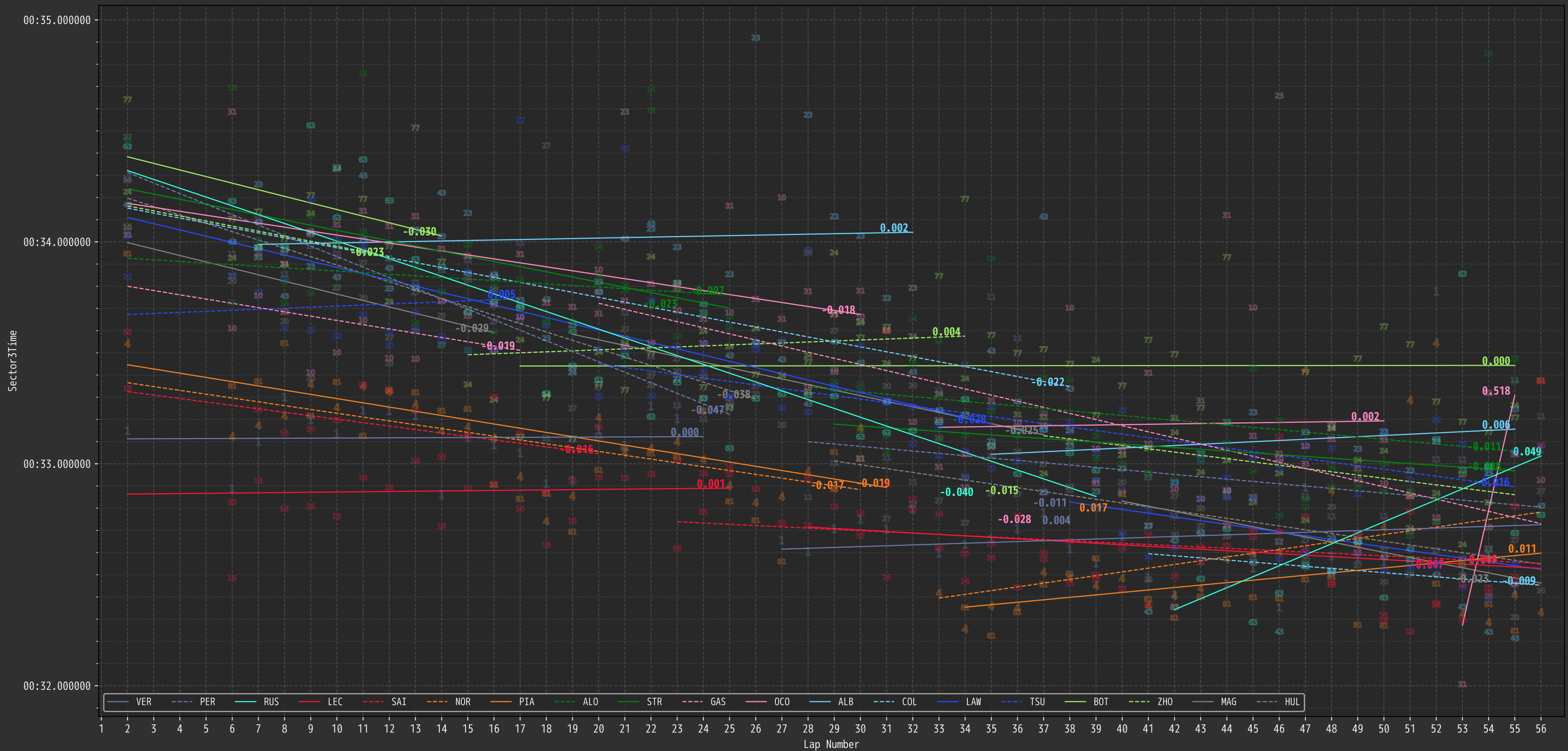


2024 Rd19 United States Grand Prix Race Sector1Timeの直線近似 直線近似
各ステイントで0:25.000以上0:29.000以下の周回が3周以上の場合に算出

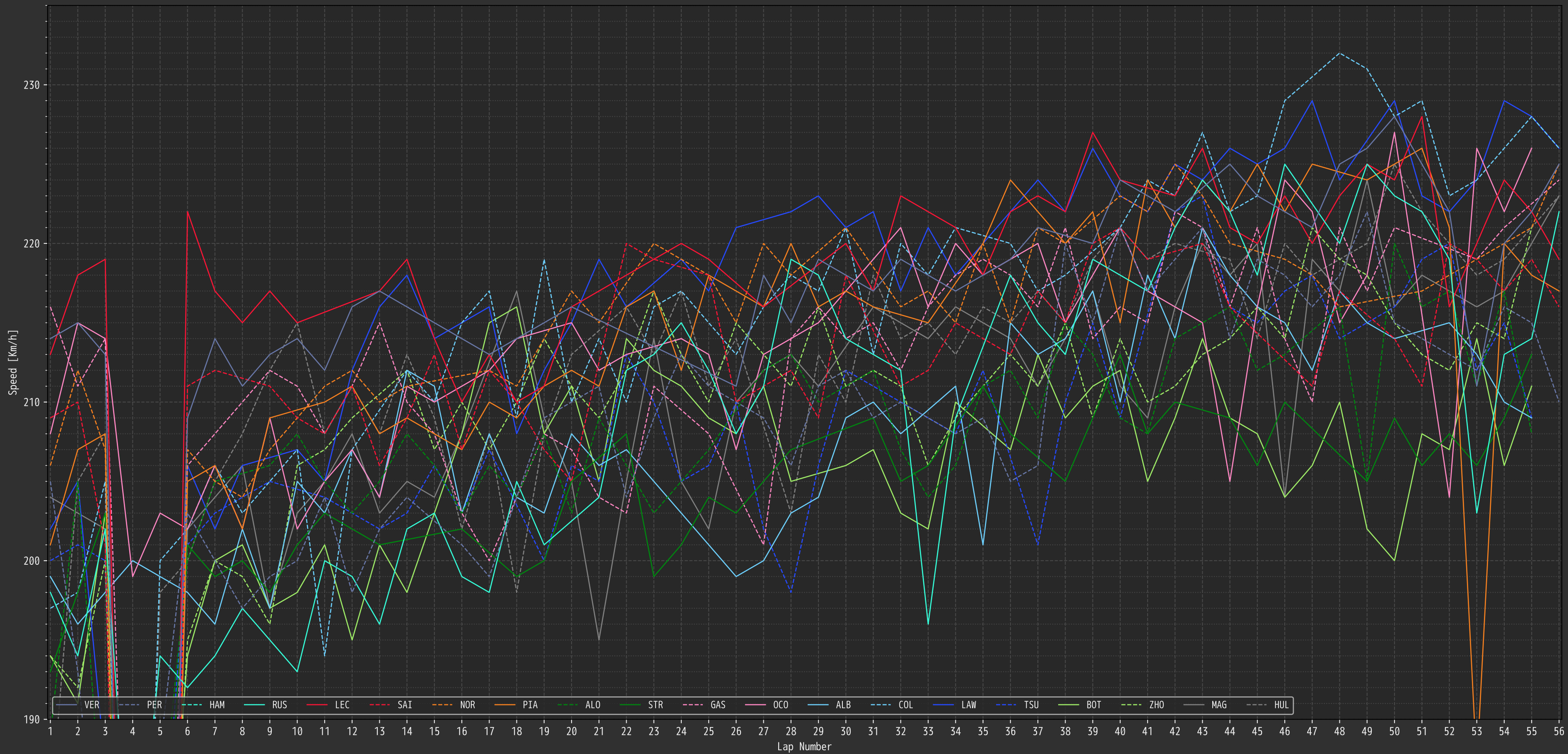


2024 Rd19 United States Grand Prix Race Sector2Timeの直線近似 直線近似
各ステントで0:38.000以上0:41.500以下の周回が3周以上の場合に算出

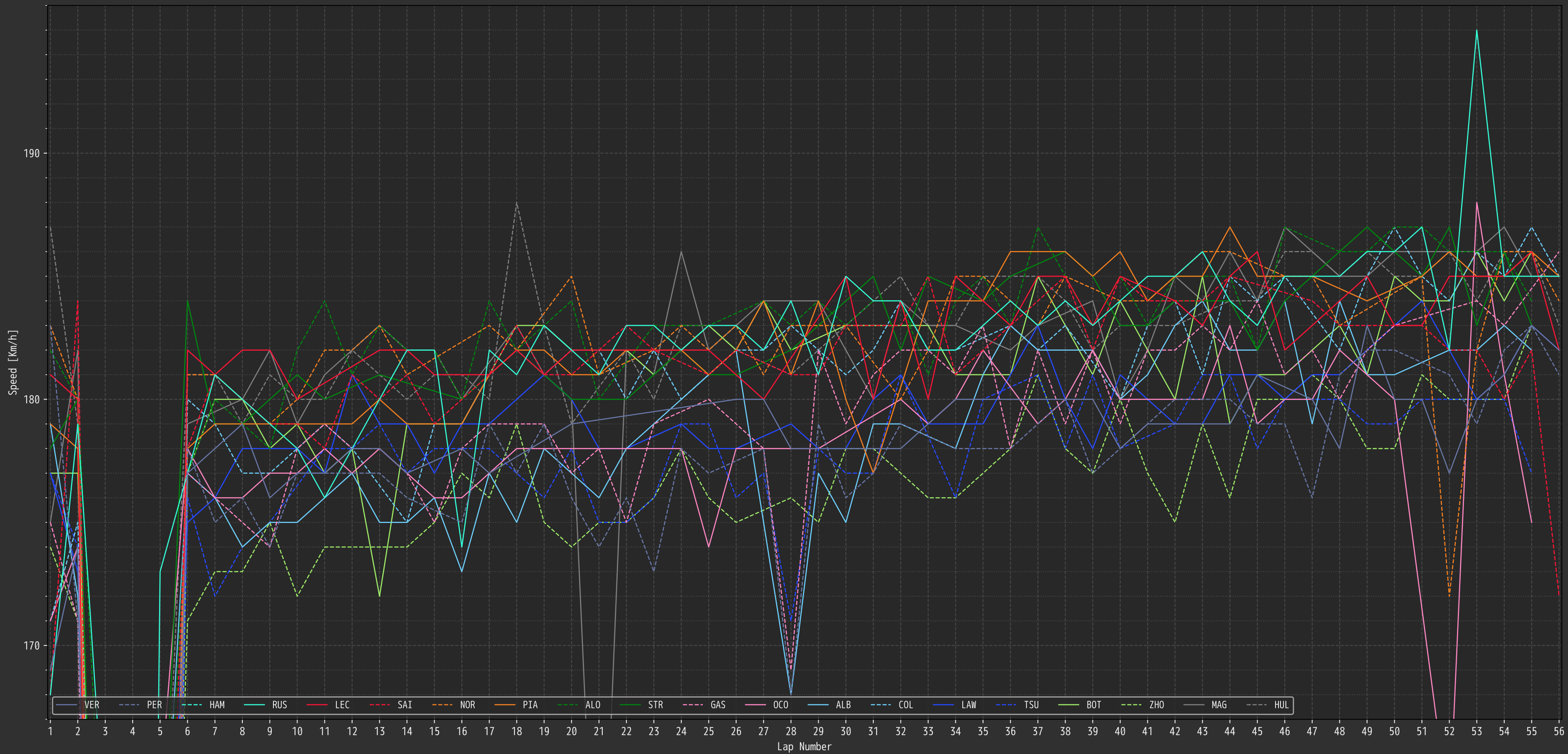
2024 Rd19 United States Grand Prix RaceSector3Timeの直線近似 直線近似
各ステントで0:31.000以上0:35.000以下の周回が3周以上の場合に算出



2024 Rd19 United States Grand Prix Race:Sector1 speed(Km/h)

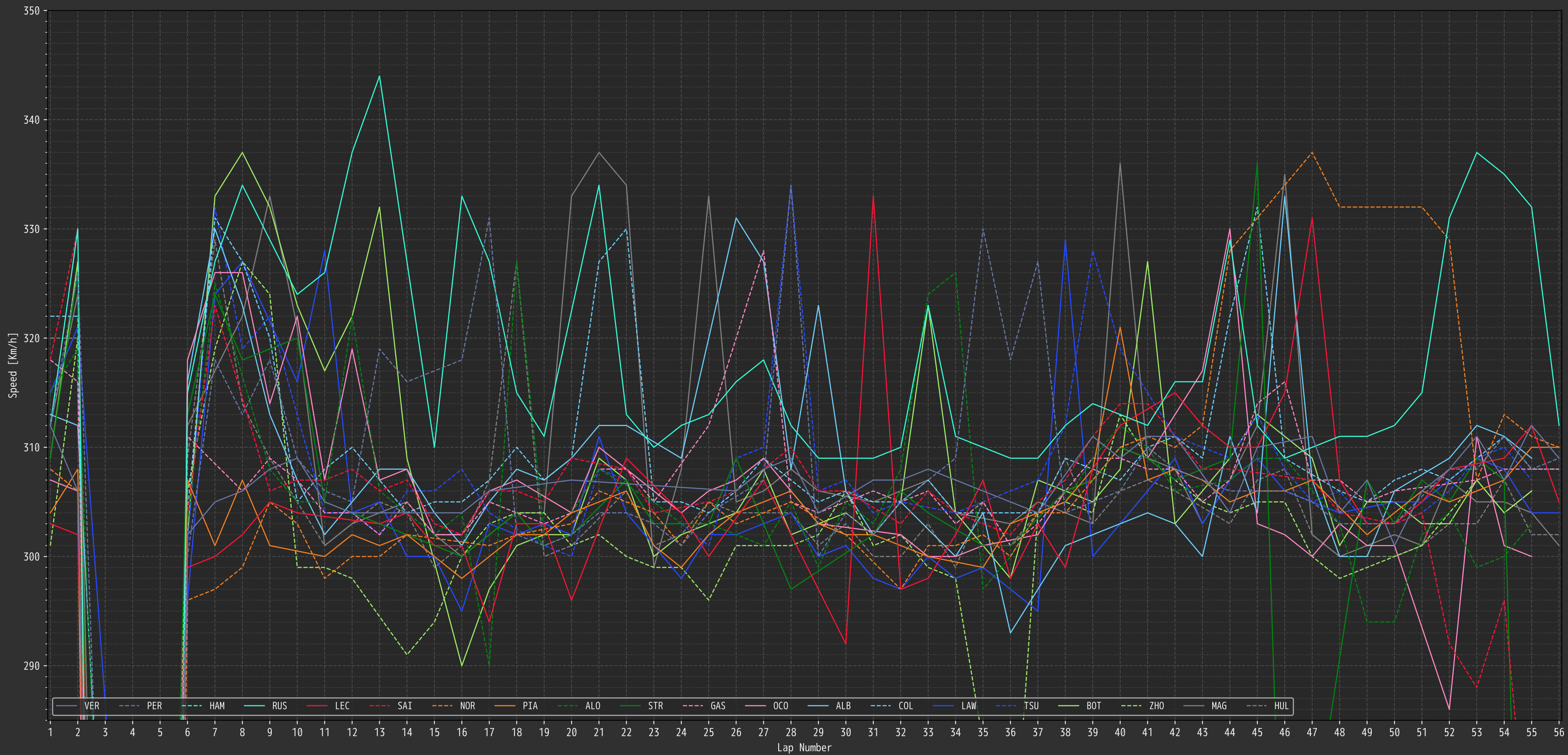


2024 Rd19 United States Grand Prix Race:Sector2 speed(Km/h)

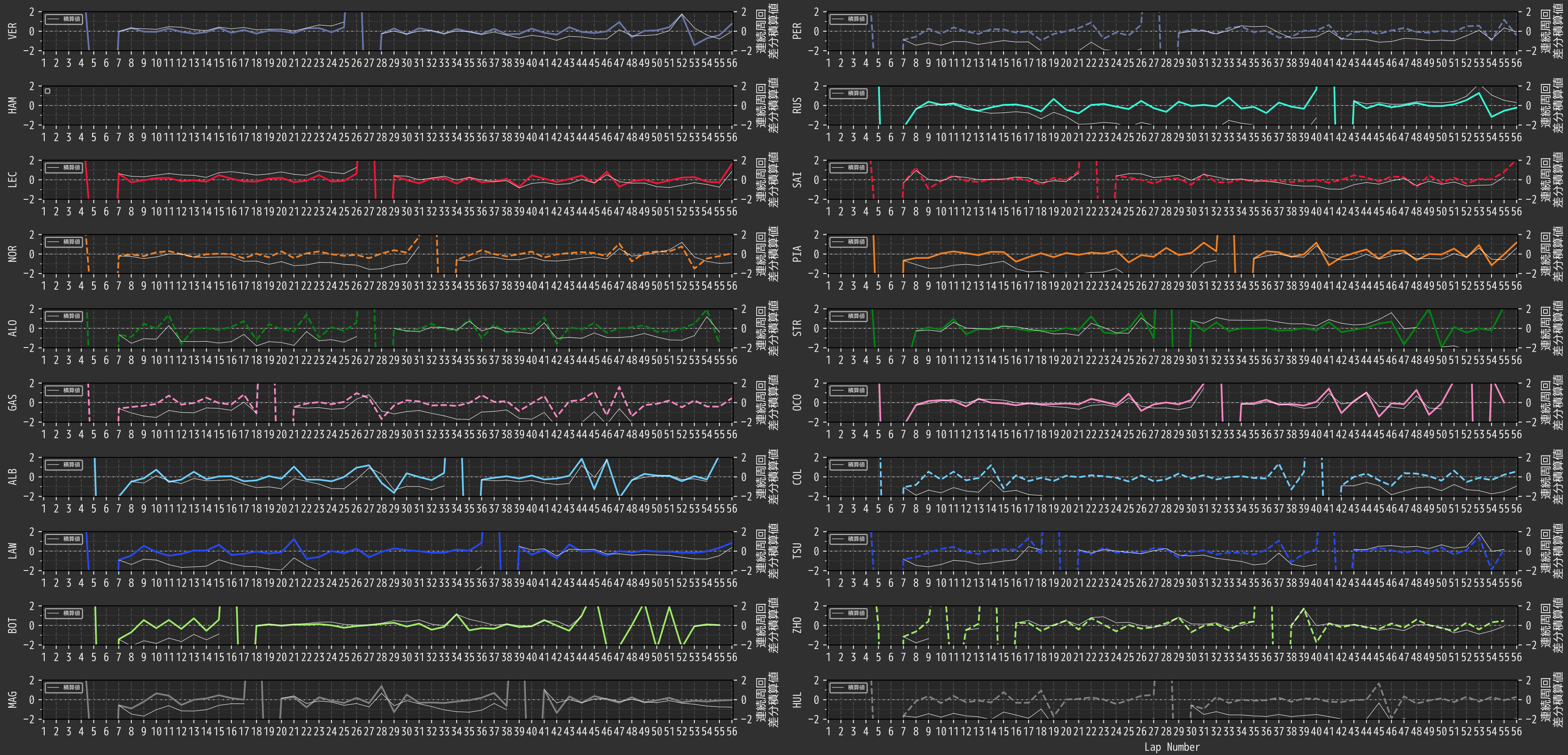


2024 Rd19 United States Grand Prix Race:Finish Line speed(Km/h)

2024 Rd19 United States Grand Prix Race:Speed Trap speed(Km/h)



2024 Rd19 United States Grand Prix Race 前ラップとの差分



	Time	Category	Message	Status	Flag	Scope	Sector	RacingNumber	Lap
0	2024-10-20 18:07:00	Other	PINK HEAD PADDING MATERIAL MUST BE USED				nan		1
1	2024-10-20 18:07:00	Other	PINK HEAD PADDING MATERIAL MUST BE USED				nan		1
2	2024-10-20 18:20:00	Flag	GREEN LIGHT - PIT EXIT OPEN		GREEN	Track	nan		1
3	2024-10-20 18:30:00	Other	PIT EXIT CLOSED				nan		1
4	2024-10-20 18:45:08	Other	RISK OF RAIN FOR F1 RACE IS 0 %				nan		1
5	2024-10-20 18:57:03	Drs	DRS DISABLED	DISABLED			nan		1
6	2024-10-20 19:03:49	Flag	GREEN LIGHT - PIT EXIT OPEN		GREEN	Track	nan		1
7	2024-10-20 19:04:04	Flag	DOUBLE YELLOW IN TRACK SECTOR 3		DOUBLE YELLOW	Sector	3.0		1
8	2024-10-20 19:04:13	Flag	YELLOW IN TRACK SECTOR 3		YELLOW	Sector	3.0		1
9	2024-10-20 19:04:16	Flag	CLEAR IN TRACK SECTOR 3		CLEAR	Sector	3.0		1
10	2024-10-20 19:05:00	Other	TRACK SURFACE SLIPPERY IN TRACK SECTOR 4				nan		1
11	2024-10-20 19:05:05	Other	TRACK SURFACE SLIPPERY IN TRACK SECTOR 3				nan		1
12	2024-10-20 19:05:13	Flag	CLEAR IN TRACK SECTOR 4		CLEAR	Sector	4.0		1
13	2024-10-20 19:05:46	Drs	DRS ENABLED	ENABLED			nan		2
14	2024-10-20 19:05:57	Flag	CLEAR IN TRACK SECTOR 3		CLEAR	Sector	3.0		2
15	2024-10-20 19:07:13	Flag	YELLOW IN TRACK SECTOR 19		YELLOW	Sector	19.0		3
16	2024-10-20 19:08:06	SafetyCar	SAFETY CAR DEPLOYED	DEPLOYED			nan		3
17	2024-10-20 19:08:26	Flag	DOUBLE YELLOW IN TRACK SECTOR 19		DOUBLE YELLOW	Sector	19.0		3
18	2024-10-20 19:09:16	Other	CAR 18 (STR) TIME 1:42.792 DELETED - TRACK LIMITS AT TURN 19 LAP 2 14:07:11				nan		4
19	2024-10-20 19:09:49	Other	LAP 1 TURN 1 INCIDENT INVOLVING CARS 23 (ALB) AND 31 (OCO) NOTED - CAUSING A COLLISION				nan		4
20	2024-10-20 19:10:00	Other	CAR 30 (LAW) TIME 1:42.809 DELETED - TRACK LIMITS AT TURN 12 LAP 2 14:06:44				nan		4
21	2024-10-20 19:10:57	Other	FIA STEWARDS: LAP 1 TURN 1 INCIDENT INVOLVING CARS 23 (ALB) AND 31 (OCO) REVIEWED NO FURTHER INVESTIGATION - CAUSING A COLLISION				nan		4
22	2024-10-20 19:11:15	Other	RECOVERY VEHICLE ON TRACK AT TURN 19				nan		4
23	2024-10-20 19:13:07	SafetyCar	SAFETY CAR IN THIS LAP	IN THIS LAP			nan		5
24	2024-10-20 19:13:13	Flag	CLEAR IN TRACK SECTOR 19		CLEAR	Sector	19.0		5
25	2024-10-20 19:14:18	Flag	TRACK CLEAR		CLEAR	Track	nan		5
26	2024-10-20 19:16:27	Drs	DRS ENABLED	ENABLED			nan		7
27	2024-10-20 19:16:44	Other	CAR 10 (GAS) TIME 2:40.207 DELETED - TRACK LIMITS AT TURN 20 LAP 5 14:14:32				nan		7
28	2024-10-20 19:16:55	Other	CAR 10 (GAS) TIME 1:42.096 DELETED - TRACK LIMITS AT TURN 20 (NEXT LAP)				nan		7
29	2024-10-20 19:18:05	Other	CAR 18 (STR) TIME 1:47.096 DELETED - TRACK LIMITS AT TURN 9 LAP 6 14:15:14				nan		8
30	2024-10-20 19:18:36	Other	CAR 43 (COL) TIME 1:43.338 DELETED - TRACK LIMITS AT TURN 20 LAP 6 14:16:19				nan		8
31	2024-10-20 19:18:40	Other	CAR 43 (COL) TIME 1:42.278 DELETED - TRACK LIMITS AT TURN 20 (NEXT LAP)				nan		8
32	2024-10-20 19:19:14	Other	TURN 15 INCIDENT INVOLVING CARS 18 (STR) AND 23 (ALB) NOTED - LEAVING THE TRACK AND GAINING AN ADVANTAGE				nan		8
33	2024-10-20 19:20:32	Other	CAR 18 (STR) TIME 1:47.096 DELETED - TRACK LIMITS AT TURN 11 LAP 6 14:15:28				nan		9
34	2024-10-20 19:21:04	Other	FIA STEWARDS: TURN 15 INCIDENT INVOLVING CARS 18 (STR) AND 23 (ALB) REVIEWED NO FURTHER INVESTIGATION - LEAVING THE TRACK AND GAINING AN ADVANTAGE				nan		9
35	2024-10-20 19:21:40	Flag	DOUBLE YELLOW IN TRACK SECTOR 3		DOUBLE YELLOW	Sector	3.0		10
36	2024-10-20 19:21:41	Other	DRS DISABLED IN ZONE 2				nan		10
37	2024-10-20 19:21:43	Flag	YELLOW IN TRACK SECTOR 3		YELLOW	Sector	3.0		10
38	2024-10-20 19:21:45	Other	DRS ENABLED IN ZONE 2				nan		10
39	2024-10-20 19:21:45	Flag	CLEAR IN TRACK SECTOR 3		CLEAR	Sector	3.0		10
40	2024-10-20 19:25:03	Other	CAR 14 (ALO) TIME 1:43.326 DELETED - TRACK LIMITS AT TURN 19 LAP 11 14:24:41				nan		12
41	2024-10-20 19:28:33	Other	TURN 12 INCIDENT INVOLVING CARS 63 (RUS) AND 77 (BOT) NOTED - FORCING ANOTHER DRIVER OFF THE TRACK				nan		14
42	2024-10-20 19:29:21	Other	FIA STEWARDS: TURN 12 INCIDENT INVOLVING CARS 63 (RUS) AND 77 (BOT) UNDER INVESTIGATION - FORCING ANOTHER DRIVER OFF THE TRACK				nan		14
43	2024-10-20 19:29:29	Other	CAR 77 (BOT) TIME 1:42.677 DELETED - TRACK LIMITS AT TURN 12 LAP 13 14:27:39				nan		15
44	2024-10-20 19:29:49	Other	CAR 81 (PIA) TIME 1:40.807 DELETED - TRACK LIMITS AT TURN 9 LAP 14 14:28:35				nan		15
45	2024-10-20 19:29:54	Other	CAR 24 (ZHO) TIME 1:42.427 DELETED - TRACK LIMITS AT TURN 12 LAP 13 14:27:48				nan		15
46	2024-10-20 19:30:59	Other	FIA STEWARDS: 5 SECOND TIME PENALTY FOR CAR 63 (RUS) - FORCING ANOTHER DRIVER OFF THE TRACK				nan		15
47	2024-10-20 19:31:09	Other	CAR 43 (COL) TIME 1:42.970 DELETED - TRACK LIMITS AT TURN 9 LAP 14 14:28:50				nan		16
48	2024-10-20 19:31:13	Other	CAR 23 (ALB) TIME 1:42.221 DELETED - TRACK LIMITS AT TURN 12 LAP 14 14:29:26				nan		16
49	2024-10-20 19:32:21	Other	CAR 18 (STR) TIME 1:42.348 DELETED - TRACK LIMITS AT TURN 19 LAP 15 14:31:34				nan		16
50	2024-10-20 19:33:36	Other	CAR 63 (RUS) TIME 1:41.260 DELETED - TRACK LIMITS AT TURN 11 LAP 16 14:32:24				nan		17
51	2024-10-20 19:37:44	Other	CAR 27 (HUL) TIME 1:42.130 DELETED - TRACK LIMITS AT TURN 16 LAP 18 14:36:18				nan		19
52	2024-10-20 19:37:50	Other	CAR 77 (BOT) TIME 1:42.714 DELETED - TRACK LIMITS AT TURN 9 LAP 15 14:30:34				nan		20
53	2024-10-20 19:38:59	Other	CAR 24 (ZHO) TIME 1:41.352 DELETED - TRACK LIMITS AT TURN 12 LAP 19 14:38:18				nan		20
54	2024-10-20 19:39:28	Other	CAR 27 (HUL) TIME 1:41.190 DELETED - TRACK LIMITS AT TURN 19 LAP 17 14:34:47				nan		21
55	2024-10-20 19:42:31	Other	TURN 12 INCIDENT INVOLVING CARS 23 (ALB) AND 20 (MAG) NOTED - FORCING ANOTHER DRIVER OFF THE TRACK				nan		22
56	2024-10-20 19:44:16	Other	CAR 20 (MAG) TIME 1:41.259 DELETED - TRACK LIMITS AT TURN 12 LAP 21 14:41:18				nan		23
57	2024-10-20 19:44:26	Other	FIA STEWARDS: TURN 12 INCIDENT INVOLVING CARS 23 (ALB) AND 20 (MAG) REVIEWED NO FURTHER INVESTIGATION - FORCING ANOTHER DRIVER OFF THE TRACK				nan		24
58	2024-10-20 19:51:31	Other	CAR 4 (NOR) TIME 1:39.093 DELETED - TRACK LIMITS AT TURN 12 LAP 27 14:50:39				nan		28
59	2024-10-20 19:53:06	Other	TURN 15 INCIDENT INVOLVING CARS 10 (GAS) AND 23 (ALB) NOTED - LEAVING THE TRACK AND GAINING AN ADVANTAGE				nan		29
60	2024-10-20 19:53:38	Other	CAR 10 (GAS) TIME 1:42.407 DELETED - TRACK LIMITS AT TURN 15 LAP 27 14:51:47				nan		29
61	2024-10-20 19:54:06	Other	CAR 10 (GAS) TIME 1:42.407 DELETED - TRACK LIMITS AT TURN 12 LAP 27 14:53:13				nan		29
62	2024-10-20 19:54:13	Flag	BLACK AND WHITE FLAG FOR CAR 10 (GAS) - TRACK LIMITS		BLACK AND WHITE	Driver	nan	10	29
63	2024-10-20 19:55:02	Other	FIA STEWARDS: TURN 15 INCIDENT INVOLVING CARS 10 (GAS) AND 23 (ALB) UNDER INVESTIGATION - LEAVING THE TRACK AND GAINING AN ADVANTAGE				nan		30
64	2024-10-20 19:55:19	Other	CAR 23 (ALB) TIME 1:42.932 DELETED - TRACK LIMITS AT TURN 12 LAP 28 14:53:14				nan		30
65	2024-10-20 19:58:00	Other	TURN 12 INCIDENT INVOLVING CARS 22 (TSU) AND 23 (ALB) NOTED - FORCING ANOTHER DRIVER OFF THE TRACK				nan		32
66	2024-10-20 19:58:39	Other	CAR 4 (NOR) TIME 1:41.469 DELETED - TRACK LIMITS AT TURN 12 LAP 31 14:57:17				nan		32
67	2024-10-20 20:00:09	Other	FIA STEWARDS: 5 SECOND TIME PENALTY FOR CAR 10 (GAS) - LEAVING THE TRACK AND GAINING AN ADVANTAGE				nan		33
68	2024-10-20 20:02:35	Other	FIA STEWARDS: TURN 12 INCIDENT INVOLVING CARS 22 (TSU) AND 23 (ALB) UNDER INVESTIGATION - FORCING ANOTHER DRIVER OFF THE TRACK				nan		34
69	2024-10-20 20:04:01	Other	FIA STEWARDS: 5 SECOND TIME PENALTY FOR CAR 22 (TSU) - FORCING ANOTHER DRIVER OFF THE TRACK				nan		35
70	2024-10-20 20:06:30	Flag	WAVED BLUE FLAG FOR CAR 24 (ZHO) TIMED AT 15:06:30		BLUE	Driver	nan	24	37
71	2024-10-20 20:07:01	Flag	WAVED BLUE FLAG FOR CAR 24 (ZHO) TIMED AT 15:07:00		BLUE	Driver	nan	24	37
72	2024-10-20 20:11:50	Flag	WAVED BLUE FLAG FOR CAR 24 (ZHO) TIMED AT 15:11:49		BLUE	Driver	nan	24	40
73	2024-10-20 20:12:00	Other	CAR 81 (PIA) TIME 1:38.183 DELETED - TRACK LIMITS AT TURN 12 LAP 39 15:10:54				nan		40
74	2024-10-20 20:12:26	Other	CAR 14 (ALO) TIME 1:40.079 DELETED - TRACK LIMITS AT TURN 12 LAP 39 15:11:47				nan		40
75	2024-10-20 20:13:22	Other	CAR 63 (RUS) TIME 1:40.641 DELETED - TRACK LIMITS AT TURN 12 LAP 40 15:12:42				nan		41
76	2024-10-20 20:14:07	Flag	YELLOW IN TRACK SECTOR 3		YELLOW	Sector	3.0		41
77	2024-10-20 20:14:08	Other	DRS DISABLED IN ZONE 2				nan		41
78	2024-10-20 20:14:16	Flag	CLEAR IN TRACK SECTOR 3		CLEAR	Sector	3.0		41
79	2024-10-20 20:14:16	Other	DRS ENABLED IN ZONE 2				nan		41
80	2024-10-20 20:16:00	Other	CAR 22 (TSU) TIME 1:52.718 DELETED - TRACK LIMITS AT TURN 1 LAP 41 15:14:14				nan		42
81	2024-10-20 20:18:06	Other	CAR 20 (MAG) TIME 1:38.975 DELETED - TRACK LIMITS AT TURN 12 LAP 40 15:13:22				nan		44
82	2024-10-20 20:18:35	Other	CAR 43 (COL) TIME 1:39.443 DELETED - TRACK LIMITS AT TURN 1 LAP 41 15:14:10				nan		44
83	2024-10-20 20:18:57	Flag	WAVED BLUE FLAG FOR CAR 23 (ALB) TIMED AT 15:18:56		BLUE	Driver	nan	23	44
84	2024-10-20 20:19:13	Other	CAR 27 (HUL) TIME 1:39.391 DELETED - TRACK LIMITS AT TURN 9 LAP 40 15:12:35				nan		44
85	2024-10-20 20:19:15	Other	CAR 81 (PIA) TIME 1:37.984 DELETED - TRACK LIMITS AT TURN 19 LAP 43 15:17:54				nan		44
86	2024-10-20 20:21:23	Flag	BLACK AND WHITE FLAG FOR CAR 27 (HUL) - TRACK LIMITS		BLACK AND WHITE	Driver	nan	27	46
87	2024-10-20 20:22:13	Flag	BLACK AND WHITE FLAG FOR CAR 81 (PIA) - TRACK LIMITS		BLACK AND WHITE	Driver	nan	81	46
88	2024-10-20 20:22:14	Flag	WAVED BLUE FLAG FOR CAR 77 (BOT) TIMED AT 15:22:14		BLUE	Driver	nan	77	46
89	2024-10-20 20:22:57	Flag	WAVED BLUE FLAG FOR CAR 18 (STR) TIMED AT 15:22:56		BLUE	Driver	nan	18	47
90	2024-10-20 20:23:19	Flag	WAVED BLUE FLAG FOR CAR 23 (ALB) TIMED AT 15:23:18		BLUE	Driver	nan	23	47
91	2024-10-20 20:23:46	Flag	WAVED BLUE FLAG FOR CAR 77 (BOT) TIMED AT 15:23:45		BLUE	Driver	nan	77	47
92	2024-10-20 20:23:58	Flag	WAVED BLUE FLAG FOR CAR 23 (ALB) TIMED AT 15:23:58		BLUE	Driver	nan	23	47
93	2024-10-20 20:25:32	Flag	WAVED BLUE FLAG FOR CAR 31 (OCO) TIMED AT 15:25:31		BLUE	Driver	nan	31	48
94	2024-10-20 20:27:15	Flag	WAVED BLUE FLAG FOR CAR 18 (STR) TIMED AT 15:27:14		BLUE	Driver	nan	18	49
95	2024-10-20 20:27:33	Flag	WAVED BLUE FLAG FOR CAR 18 (STR) TIMED AT 15:27:33		BLUE	Driver	nan	18	50
96	2024-10-20 20:27:38	Flag	WAVED BLUE FLAG FOR CAR 77 (BOT) TIMED AT 15:27:38		BLUE	Driver	nan	77	50
97	2024-10-20 20:30:19	Flag	WAVED BLUE FLAG FOR CAR 31 (OCO) TIMED AT 15:30:19		BLUE	Driver	nan	31	51
98	2024-10-20 20:31:02	Flag	WAVED BLUE FLAG FOR CAR 77 (BOT) TIMED AT 15:31:02		BLUE	Driver	nan	77	52
99	2024-10-20 20:32:26	Other	CAR 23 (ALB) TIME 1:41.215 DELETED - TRACK LIMITS AT TURN 11 LAP 44 15:20:05				nan		53
100	2024-10-20 20:33:48	Flag	WAVED BLUE FLAG FOR CAR 22 (TSU) TIMED AT 15:33:47		BLUE	Driver	nan	22	53
101	2024-10-20 20:33:53	Other	TURN 12 INCIDENT INVOLVING CARS 4 (NOR) AND 1 (VER) NOTED - LEAVING THE TRACK AND GAINING AN ADVANTAGE				nan		53
102	2024-10-20 20:34:21	Other	FIA STEWARDS: TURN 12 INCIDENT INVOLVING CARS 4 (NOR) AND 1 (VER) UNDER INVESTIGATION - LEAVING THE TRACK AND GAINING AN ADVANTAGE				nan		54
103	2024-10-20 20:35:29	Other	CAR 4 (NOR) TIME 1:39.843 DELETED - TRACK LIMITS AT TURN 12 LAP 52 15:32:06				nan		54
104	2024-10-20 20:35:30	Other	CAR 1 (VER) TIME 1:40.819 DELETED - TRACK LIMITS AT TURN 12 LAP 52 15:32:06				nan		54
105	2024-10-20 20:35:33	Other	CAR 4 (NOR) TIME 1:39.066 DELETED - TRACK LIMITS AT TURN 20 LAP 51 15:31:00				nan		54
106	2024-10-20 20:35:36	Other	CAR 4 (NOR) TIME 1:39.843 DELETED - TRACK LIMITS AT TURN 20 (NEXT LAP)				nan		54
107	2024-10-20 20:36:27	Other	CAR 22 (TSU) TIME 1:39.657 DELETED - TRACK LIMITS AT TURN 20 LAP 52 15:34:00				nan		55
108	2024-10-20 20:36:31	Other	CAR 22 (TSU) TIME 1:41.114 DELETED - TRACK LIMITS AT TURN 20 (NEXT LAP)				nan		55
109	2024-10-20 20:36:46	Flag	WAVED BLUE FLAG FOR CAR 14 (ALO) TIMED AT 15:36:45		BLUE	Driver	nan	14	55
110	2024-10-20 20:36:58	Flag	WAVED BLUE FLAG FOR CAR 14 (ALO) TIMED AT 15:36:58		BLUE	Driver	nan	14	55
111	2024-10-20 20:37:24	Flag	WAVED BLUE FLAG FOR CAR 23 (ALB) TIMED AT 15:37:24		BLUE	Driver	nan	23	56
112	2024-10-20 20:37:43	Other	CAR 63 (RUS) TIME 1:39.888 DELETED - TRACK LIMITS AT TURN 13 LAP 53 15:34:30				nan		56
113	2024-10-20 20:38:14	Flag	WAVED BLUE FLAG FOR CAR 18 (STR) TIMED AT 15:38:14		BLUE	Driver	nan	18	56
114	2024-10-20 20:38:26	Other	FIA STEWARDS: 5 SECOND TIME PENALTY FOR CAR 4 (NOR) - LEAVING THE TRACK AND GAINING AN ADVANTAGE				nan		56
115	2024-10-20 20:38:58	Flag	CHEQUERED FLAG		CHEQUERED	Track	nan		56
116	2024-10-20 20:39:20	Other	CAR 1 (VER) TIME 1:39.018 DELETED - TRACK LIMITS AT TURN 12 LAP 56 15:38:42				nan		56
117	2024-10-20 20:40:32								