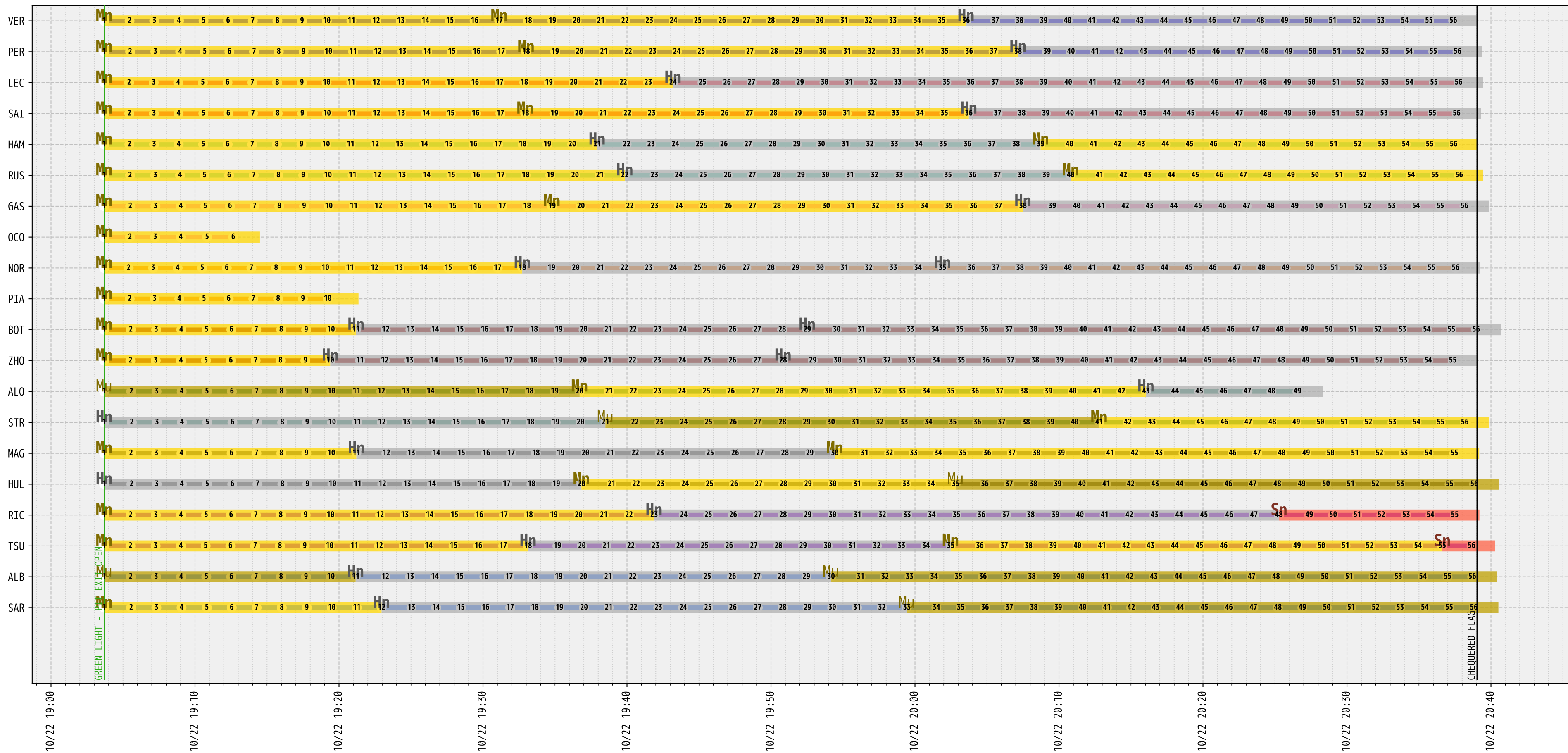
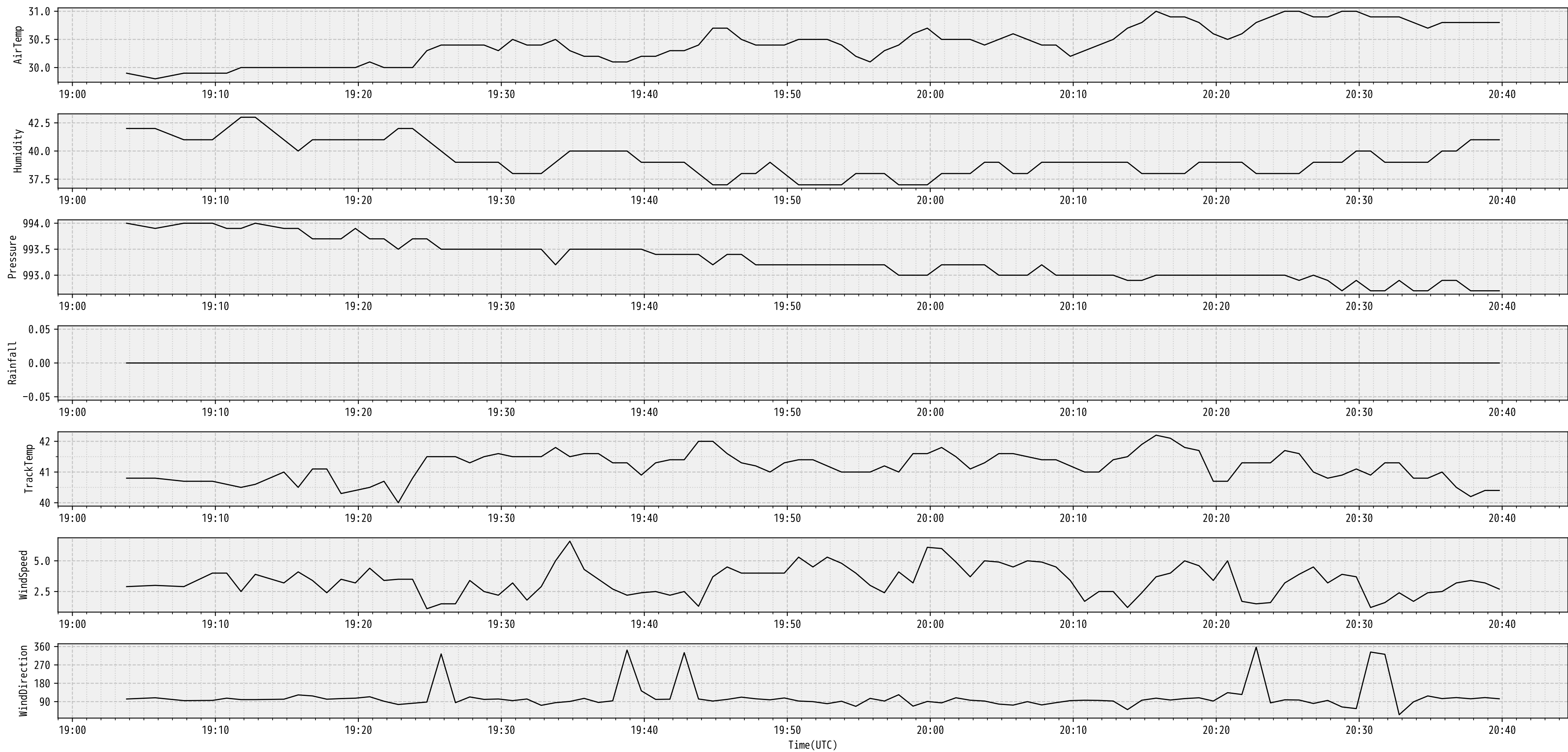


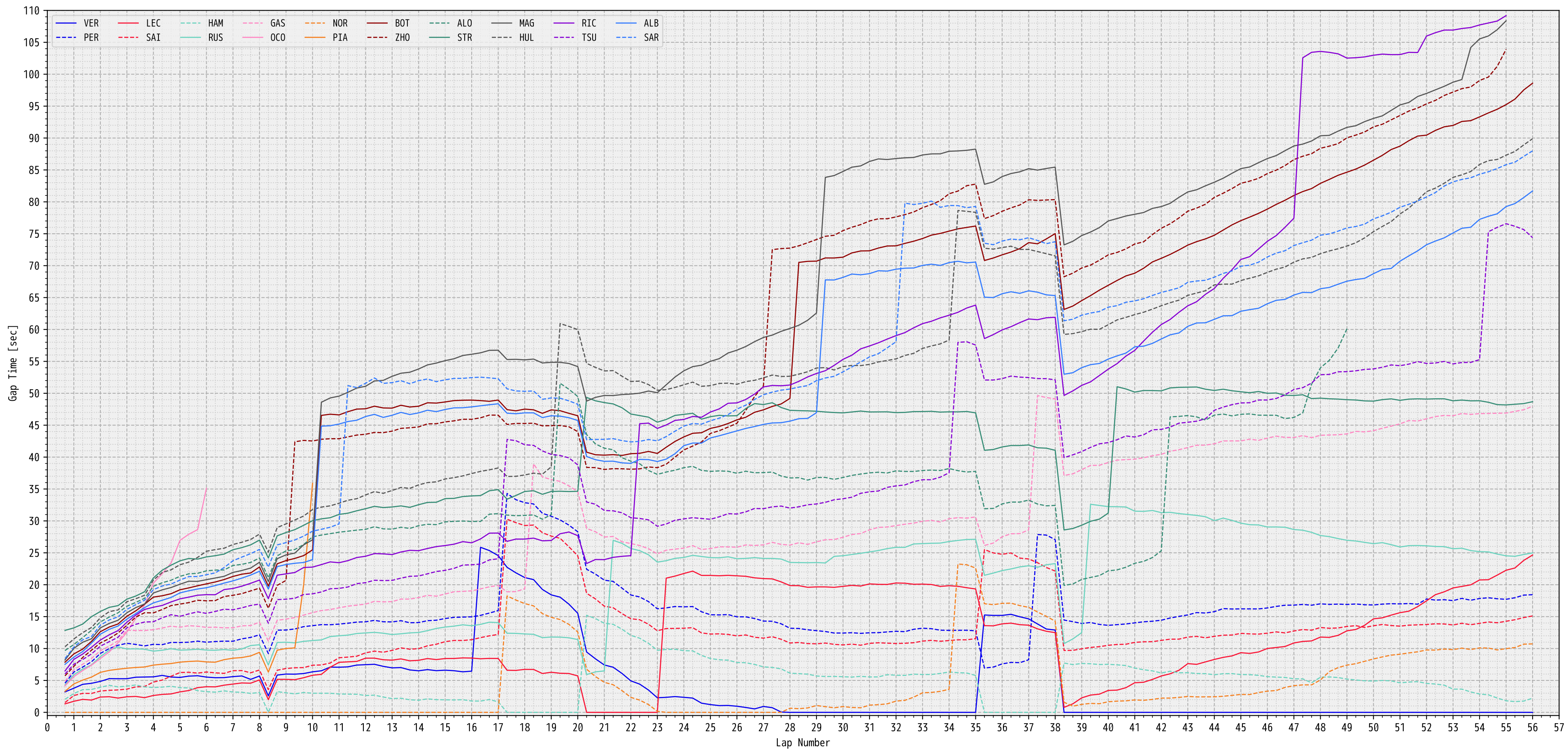
2023 Rd18 United States Grand Prix Race Tyre Chart



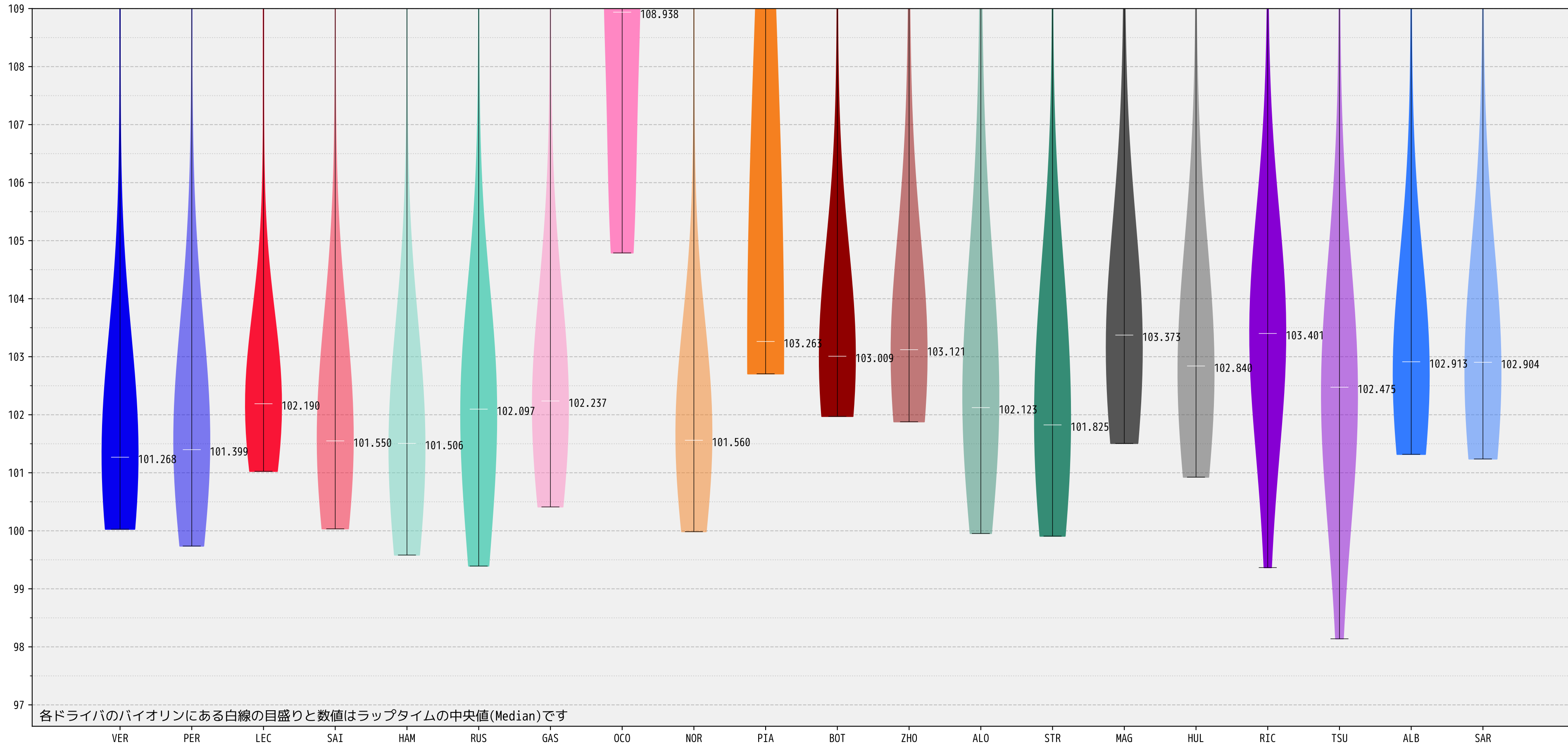
2023 Rd18 United States Grand Prix Race Weather Data



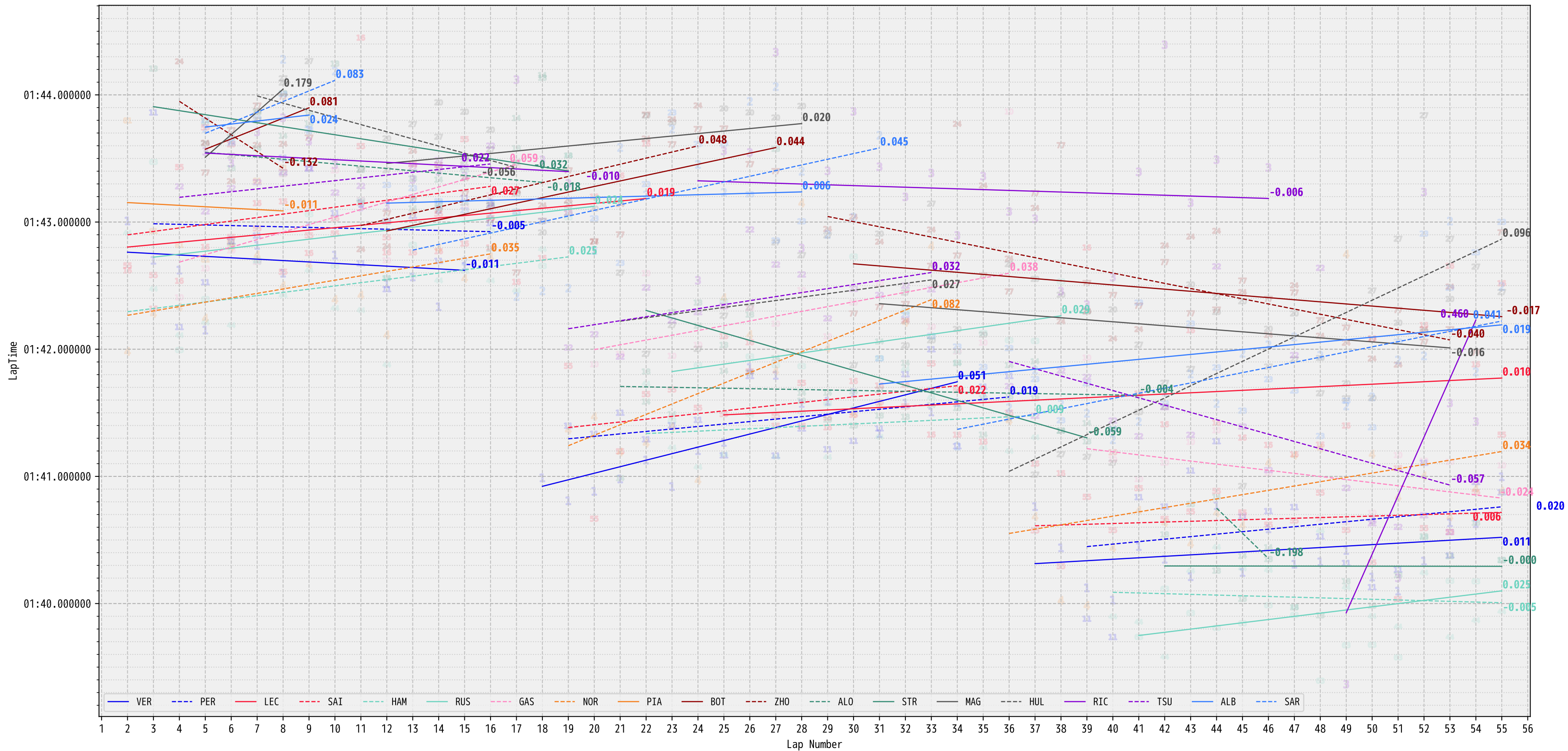
2023 Rd18 United States Grand Prix Race Gap Time



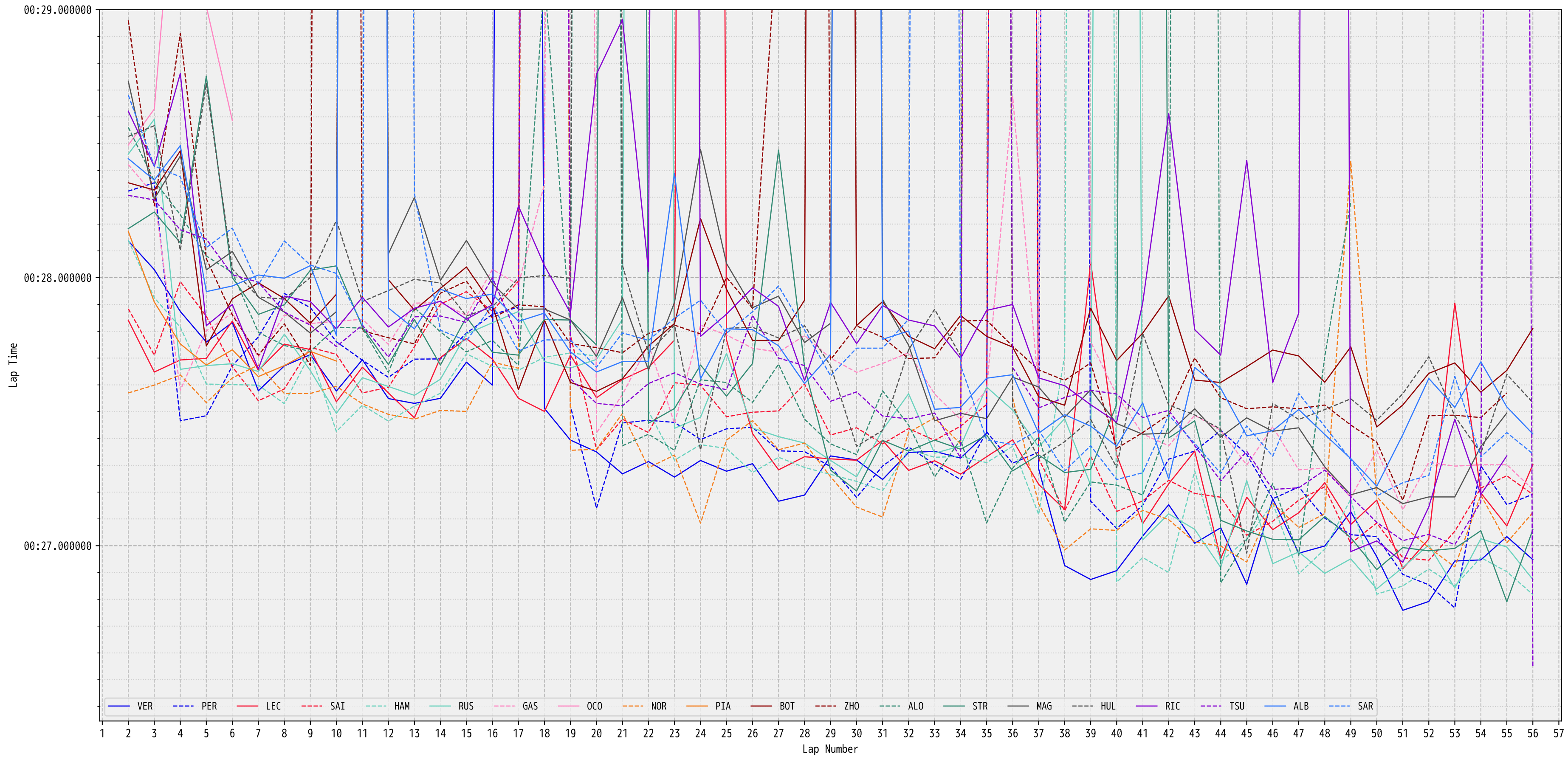
2023 Rd18 United States Grand Prix Race Laptime Violin Plot



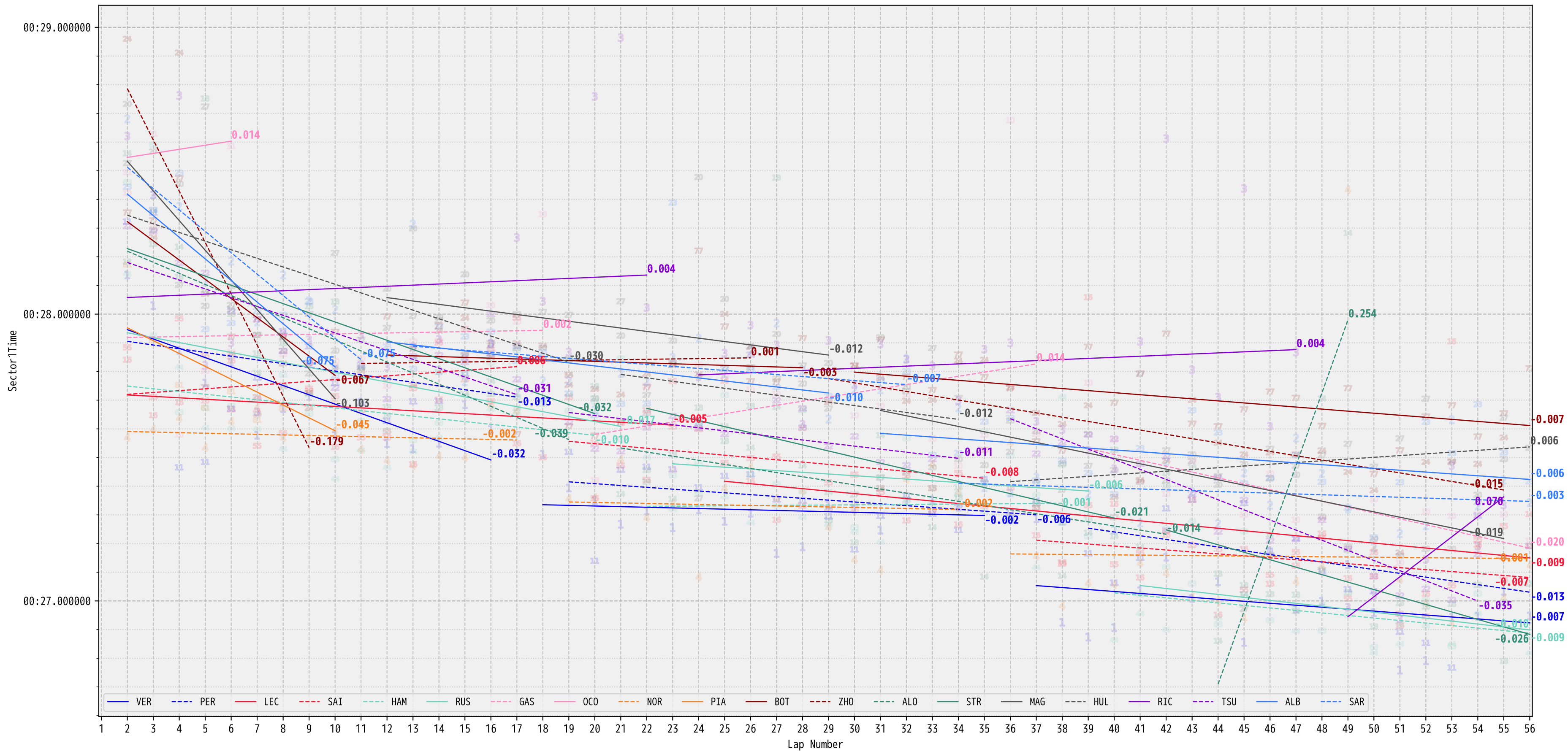
2023 Rd18 United States Grand Prix Race
各ステントで1:39.000以上1:44.500以下の周回が3周以上の場合に算出



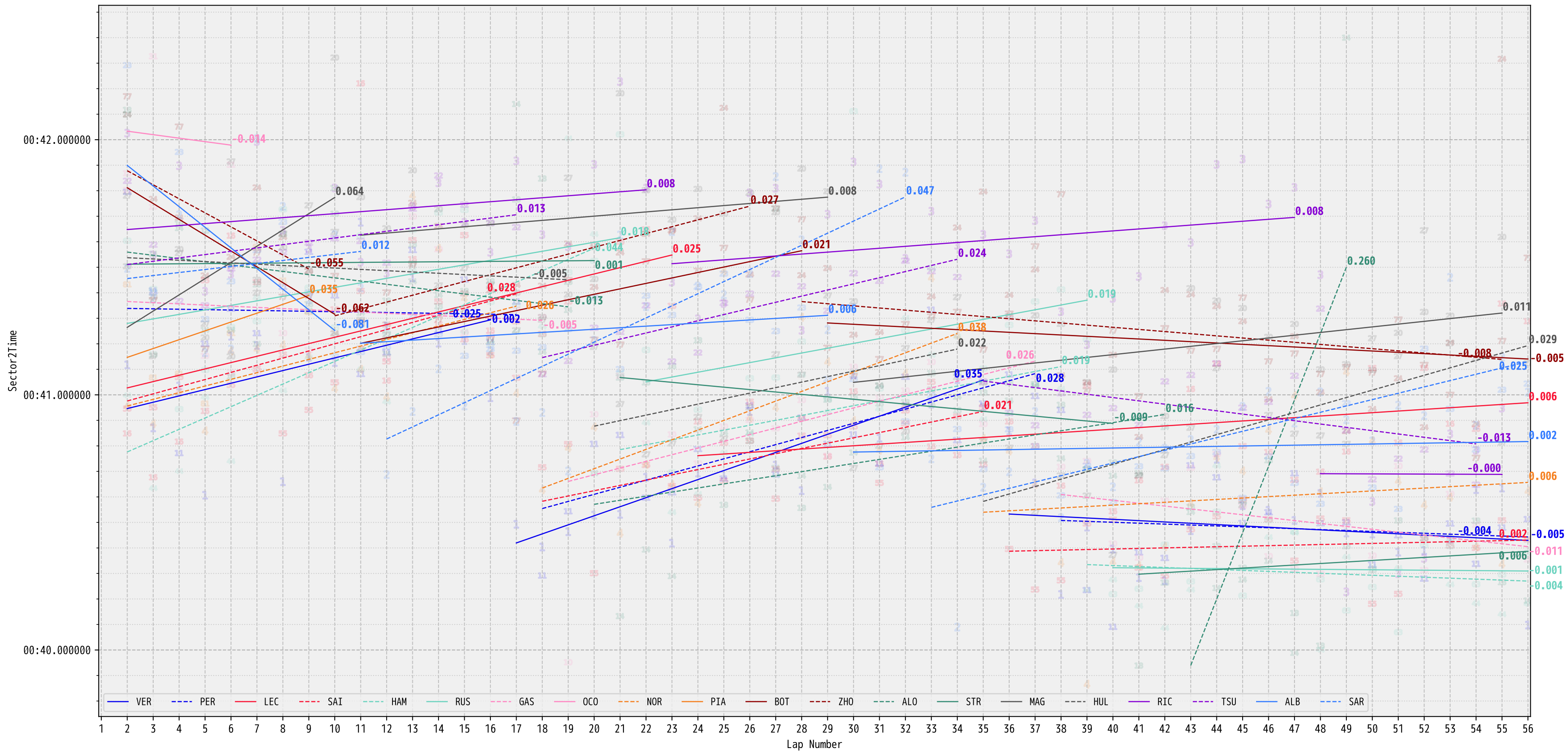
2023 Rd18 United States Grand Prix Race Sector1Time
(0:29.000までのタイムを抽出)



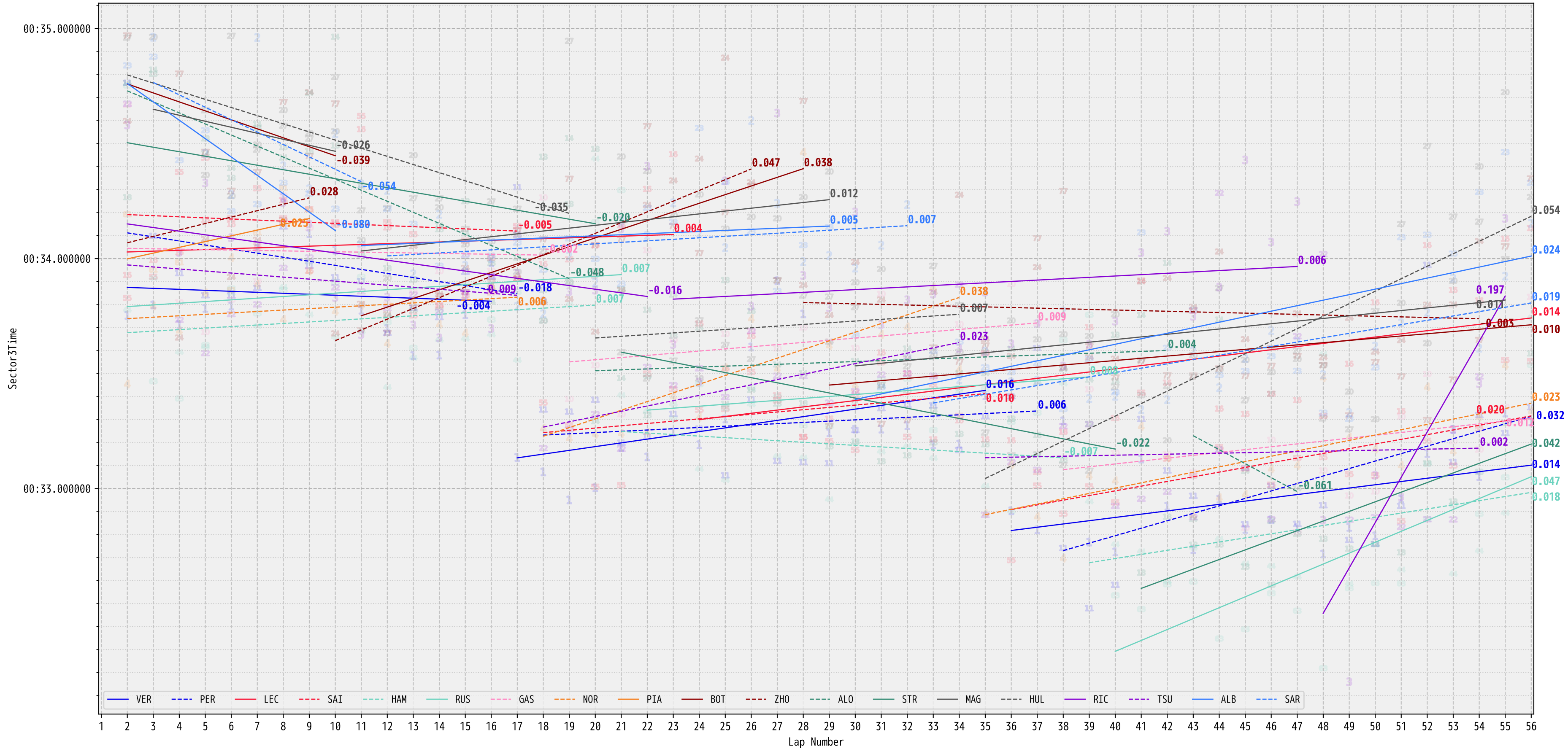
2023 Rd18 United States Grand Prix Race Sector1Timeの直線近似
各ステイントで0:26.000以上0:29.000以下の周回が3周以上の場合に算出



2023 Rd18 United States Grand Prix Race Sector2Timeの直線近似
各ステイントで0:39.000以上0:42.500以下の周回が3周以上の場合に算出



2023 Rd18 United States Grand Prix Race Sector3Timeの直線近似
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



Time Category		Message	Status	Flag	Scope	Sector	RacingNumber
2023-10-22 18:10:01	Flag	GREEN LIGHT - PIT EXIT OPEN	None	GREEN	Track	NaN	None
2023-10-22 18:18:01	Other	INCIDENT INVOLVING CAR 18 (STR) NOTED - NOT ENTERING PIT LANE	None	None	None	NaN	None
2023-10-22 18:20:01	Other	PIT EXIT CLOSED	None	None	None	NaN	None
2023-10-22 18:30:12	Flag	DOUBLE YELLOW IN TRACK SECTOR 16	None	DOUBLE YELLOW	Sector	16.0	None
2023-10-22 18:30:14	Flag	CLEAR IN TRACK SECTOR 16	None	CLEAR	Sector	16.0	None
2023-10-22 18:30:25	Flag	YELLOW IN TRACK SECTOR 16	None	YELLOW	Sector	16.0	None
2023-10-22 18:30:27	Flag	CLEAR IN TRACK SECTOR 16	None	CLEAR	Sector	16.0	None
2023-10-22 18:33:40	Other	TRACK SURFACE SLIPPERY IN TRACK SECTOR 16	None	None	None	NaN	None
2023-10-22 18:33:43	Flag	CLEAR IN TRACK SECTOR 16	None	CLEAR	Sector	16.0	None
2023-10-22 18:34:19	Other	FIA STEWARDS: INCIDENT INVOLVING CAR 18 (STR) WILL BE INVESTIGATED AFTER THE RACE - NOT ENTERING PIT LANE	None	None	None	NaN	None
2023-10-22 18:45:08	Other	RISK OF RAIN FOR F1 RACE IS 0%	None	None	None	NaN	None
2023-10-22 18:57:05	Drs	DRS DISABLED	DISABLED	None	None	NaN	None
2023-10-22 19:03:42	Flag	GREEN LIGHT - PIT EXIT OPEN	None	GREEN	Track	NaN	None
2023-10-22 19:06:46	Other	TURN 1 INCIDENT INVOLVING CAR 63 (RUS) NOTED - LEAVING THE TRACK AND GAINING AN ADVANTAGE	None	None	None	NaN	None
2023-10-22 19:07:23	Drs	DRS ENABLED	ENABLED	None	None	NaN	None
2023-10-22 19:10:44	Other	FIA STEWARDS: TURN 1 INCIDENT INVOLVING CAR 63 (RUS) REVIEWED NO FURTHER INVESTIGATION - LEAVING THE TRACK AND GAINING AN ADVANTAGE	None	None	None	NaN	None
2023-10-22 19:12:32	Other	CAR 22 (TSU) TIME 1:45.158 DELETED - TRACK LIMITS AT TURN 20 LAP 3 14:08:59	None	None	None	NaN	None
2023-10-22 19:14:26	Other	CAR 20 (MAG) TIME 1:43.618 DELETED - TRACK LIMITS AT TURN 19 LAP 5 14:12:23	None	None	None	NaN	None
2023-10-22 19:14:37	Other	CAR 27 (HUL) TIME 1:44.648 DELETED - TRACK LIMITS AT TURN 19 LAP 5 14:12:26	None	None	None	NaN	None
2023-10-22 19:15:09	Other	CAR 31 (OCO) TIME 1:48.938 DELETED - TRACK LIMITS AT TURN 19 LAP 5 14:12:29	None	None	None	NaN	None
2023-10-22 19:15:55	Other	CAR 20 (MAG) TIME 1:45.395 DELETED - TRACK LIMITS AT TURN 11 LAP 2 14:06:23	None	None	None	NaN	None
2023-10-22 19:16:15	Other	CAR 44 (HAM) TIME 1:42.189 DELETED - TRACK LIMITS AT TURN 19 LAP 6 14:13:49	None	None	None	NaN	None
2023-10-22 19:18:30	Other	CAR 14 (ALO) TIME 1:45.424 DELETED - TRACK LIMITS AT TURN 11 LAP 2 14:06:23	None	None	None	NaN	None
2023-10-22 19:20:58	Other	CAR 63 (RUS) LAP DELETED - TRACK LIMITS AT TURN 12 LAP 1 14:04:52	None	None	None	NaN	None
2023-10-22 19:25:08	Other	TURN 12 INCIDENT INVOLVING CARS 1 (VER) AND 16 (LEC) NOTED	None	None	None	NaN	None
2023-10-22 19:25:26	Other	CAR 22 (TSU) LAP DELETED - TRACK LIMITS AT TURN 12 LAP 1 14:04:54	None	None	None	NaN	None
2023-10-22 19:25:55	Other	CAR 20 (MAG) TIME 1:44.749 DELETED - TRACK LIMITS AT TURN 12 LAP 10 14:20:35	None	None	None	NaN	None
2023-10-22 19:26:23	Other	CAR 16 (LEC) TIME 1:44.450 DELETED - TRACK LIMITS AT TURN 12 LAP 11 14:21:58	None	None	None	NaN	None
2023-10-22 19:26:47	Other	CAR 63 (RUS) TIME 1:43.172 DELETED - TRACK LIMITS AT TURN 12 LAP 11 14:22:03	None	None	None	NaN	None
2023-10-22 19:27:00	Other	CAR 2 (SAR) TIME 2:04.136 DELETED - TRACK LIMITS AT TURN 19 LAP 12 14:24:52	None	None	None	NaN	None
2023-10-22 19:29:10	Other	FIA STEWARDS: TURN 12 INCIDENT INVOLVING CARS 1 (VER) AND 16 (LEC) REVIEWED NO FURTHER INVESTIGATION	None	None	None	NaN	None
2023-10-22 19:31:19	Other	CAR 4 (NOR) TIME 1:42.725 DELETED - TRACK LIMITS AT TURN 19 LAP 16 14:30:52	None	None	None	NaN	None
2023-10-22 19:31:49	Other	CAR 44 (HAM) TIME 1:42.540 DELETED - TRACK LIMITS AT TURN 19 LAP 16 14:30:54	None	None	None	NaN	None
2023-10-22 19:36:12	Other	CAR 27 (HUL) TIME 1:43.771 DELETED - TRACK LIMITS AT TURN 13 LAP 13 14:25:32	None	None	None	NaN	None
2023-10-22 19:38:26	Other	CAR 14 (ALO) TIME 1:44.156 DELETED - TRACK LIMITS AT TURN 9 LAP 18 14:33:52	None	None	None	NaN	None
2023-10-22 19:39:24	Other	CAR 23 (ALB) TIME 1:43.029 DELETED - TRACK LIMITS AT TURN 20 LAP 20 14:38:39	None	None	None	NaN	None
2023-10-22 19:40:32	Other	CAR 23 (ALB) TIME 1:42.679 DELETED - TRACK LIMITS AT TURN 20 (NEXT LAP)	None	None	None	NaN	None
2023-10-22 19:44:00	Other	CAR 10 (GAS) TIME 1:42.598 DELETED - TRACK LIMITS AT TURN 12 LAP 22 14:41:18	None	None	None	NaN	None
2023-10-22 19:44:04	Other	CAR 20 (MAG) TIME 1:43.838 DELETED - TRACK LIMITS AT TURN 19 LAP 22 14:42:08	None	None	None	NaN	None
2023-10-22 19:44:17	Flag	BLACK AND WHITE FLAG FOR CAR 20 (MAG) - TRACK LIMITS	None	BLACK AND WHITE	Driver	NaN	20
2023-10-22 19:48:32	Other	CAR 4 (NOR) TIME 1:42.115 DELETED - TRACK LIMITS AT TURN 19 LAP 26 14:48:08	None	None	None	NaN	None
2023-10-22 19:50:20	Other	TURN 12 INCIDENT INVOLVING CARS 2 (SAR) AND 18 (STR) NOTED	None	None	None	NaN	None
2023-10-22 19:50:27	Other	CAR 18 (STR) TIME 1:42.273 DELETED - TRACK LIMITS AT TURN 12 LAP 26 14:48:28	None	None	None	NaN	None
2023-10-22 19:52:56	Other	FIA STEWARDS: TURN 12 INCIDENT INVOLVING CARS 2 (SAR) AND 18 (STR) UNDER INVESTIGATION	None	None	None	NaN	None
2023-10-22 20:00:07	Other	FIA STEWARDS: TURN 12 INCIDENT INVOLVING CARS 2 (SAR) AND 18 (STR) NO FURTHER ACTION	None	None	None	NaN	None
2023-10-22 20:01:01	Other	CAR 2 (SAR) TIME 1:43.953 DELETED - TRACK LIMITS AT TURN 11 LAP 32 14:58:30	None	None	None	NaN	None
2023-10-22 20:14:16	Other	CAR 55 (SAI) TIME 1:40.907 DELETED - TRACK LIMITS AT TURN 19 LAP 41 15:13:58	None	None	None	NaN	None
2023-10-22 20:14:33	Other	CAR 11 (PER) TIME 1:40.837 DELETED - TRACK LIMITS AT TURN 12 LAP 41 15:13:35	None	None	None	NaN	None
2023-10-22 20:15:07	Other	CAR 2 (SAR) TIME 1:41.432 DELETED - TRACK LIMITS AT TURN 19 LAP 41 15:14:52	None	None	None	NaN	None
2023-10-22 20:15:17	Flag	BLACK AND WHITE FLAG FOR CAR 2 (SAR) - TRACK LIMITS	None	BLACK AND WHITE	Driver	NaN	2
2023-10-22 20:25:47	Flag	WAVED BLUE FLAG FOR CAR 3 (RIC) TIMED AT 15:25:46	None	BLUE	Driver	NaN	3
2023-10-22 20:28:46	Other	CAR 16 (LEC) TIME 1:41.400 DELETED - TRACK LIMITS AT TURN 20 LAP 49 15:27:30	None	None	None	NaN	None
2023-10-22 20:29:32	Other	CAR 16 (LEC) TIME 1:42.085 DELETED - TRACK LIMITS AT TURN 20 (NEXT LAP)	None	None	None	NaN	None
2023-10-22 20:29:35	Other	CAR 23 (ALB) TIME 1:41.675 DELETED - TRACK LIMITS AT TURN 6 LAP 47 15:23:49	None	None	None	NaN	None
2023-10-22 20:29:47	Other	CAR 23 (ALB) TIME 1:41.318 DELETED - TRACK LIMITS AT TURN 6 LAP 48 15:25:30	None	None	None	NaN	None
2023-10-22 20:29:56	Flag	BLACK AND WHITE FLAG FOR CAR 23 (ALB) - TRACK LIMITS	None	BLACK AND WHITE	Driver	NaN	23
2023-10-22 20:30:29	Other	CAR 23 (ALB) TIME 1:41.596 DELETED - TRACK LIMITS AT TURN 19 LAP 49 15:28:18	None	None	None	NaN	None

Time Category		Message	Status	Flag	Scope	Sector	RacingNumber
2023-10-22 20:30:40	Other	INCIDENT INVOLVING CAR 23 (ALB) NOTED - TRACK LIMITS	None	None	None	NaN	None
2023-10-22 20:31:36	Other	FIA STEWARDS: INCIDENT INVOLVING CAR 23 (ALB) UNDER INVESTIGATION - TRACK LIMITS	None	None	None	NaN	None
2023-10-22 20:31:47	Other	FIA STEWARDS: 5 SECOND TIME PENALTY FOR CAR 23 (ALB) - TRACK LIMITS	None	None	None	NaN	None
2023-10-22 20:32:19	Other	CAR 23 (ALB) TIME 1:41.517 DELETED - TRACK LIMITS AT TURN 6 LAP 45 15:20:25	None	None	None	NaN	None
2023-10-22 20:33:21	Other	INCIDENT INVOLVING CAR 23 (ALB) NOTED - MULTIPLE TRACK LIMIT INFRINGEMENTS	None	None	None	NaN	None
2023-10-22 20:33:32	Other	CAR 16 (LEC) TIME 1:42.190 DELETED - TRACK LIMITS AT TURN 19 LAP 52 15:32:29	None	None	None	NaN	None
2023-10-22 20:33:38	Flag	WAVED BLUE FLAG FOR CAR 3 (RIC) TIMED AT 15:33:37	None	BLUE	Driver	NaN	3
2023-10-22 20:34:10	Other	FIA STEWARDS: INCIDENT INVOLVING CAR 23 (ALB) WILL BE INVESTIGATED AFTER THE RACE - MULTIPLE TRACK LIMIT INFRINGEMENTS	None	None	None	NaN	None
2023-10-22 20:36:30	Flag	WAVED BLUE FLAG FOR CAR 20 (MAG) TIMED AT 15:36:29	None	BLUE	Driver	NaN	20
2023-10-22 20:37:58	Flag	WAVED BLUE FLAG FOR CAR 24 (ZHO) TIMED AT 15:37:57	None	BLUE	Driver	NaN	24
2023-10-22 20:38:31	Flag	WAVED BLUE FLAG FOR CAR 24 (ZHO) TIMED AT 15:38:30	None	BLUE	Driver	NaN	24
2023-10-22 20:39:02	Flag	CHEQUERED FLAG	None	CHEQUERED	Track	NaN	None
2023-10-22 20:39:17	Other	CAR 44 (HAM) TIME 1:40.743 DELETED - TRACK LIMITS AT TURN 9 LAP 56 15:37:59	None	None	None	NaN	None
2023-10-22 20:39:33	Other	TRACK SURFACE SLIPPERY IN TRACK SECTOR 5	None	None	None	NaN	None
2023-10-22 20:39:35	Flag	CLEAR IN TRACK SECTOR 5	None	CLEAR	Sector	5.0	None
2023-10-22 20:39:35	Flag	BLACK AND WHITE FLAG FOR CAR 44 (HAM) - TRACK LIMITS	None	BLACK AND WHITE	Driver	NaN	44
2023-10-22 20:39:39	Other	TRACK SURFACE SLIPPERY IN TRACK SECTOR 5	None	None	None	NaN	None
2023-10-22 20:39:42	Flag	CLEAR IN TRACK SECTOR 5	None	CLEAR	Sector	5.0	None
2023-10-22 20:39:50	Flag	DOUBLE YELLOW IN TRACK SECTOR 5	None	DOUBLE YELLOW	Sector	5.0	None
2023-10-22 20:39:52	Flag	CLEAR IN TRACK SECTOR 5	None	CLEAR	Sector	5.0	None
2023-10-22 20:39:57	Other	TRACK SURFACE SLIPPERY IN TRACK SECTOR 5	None	None	None	NaN	None
2023-10-22 20:39:59	Flag	CLEAR IN TRACK SECTOR 5	None	CLEAR	Sector	5.0	None