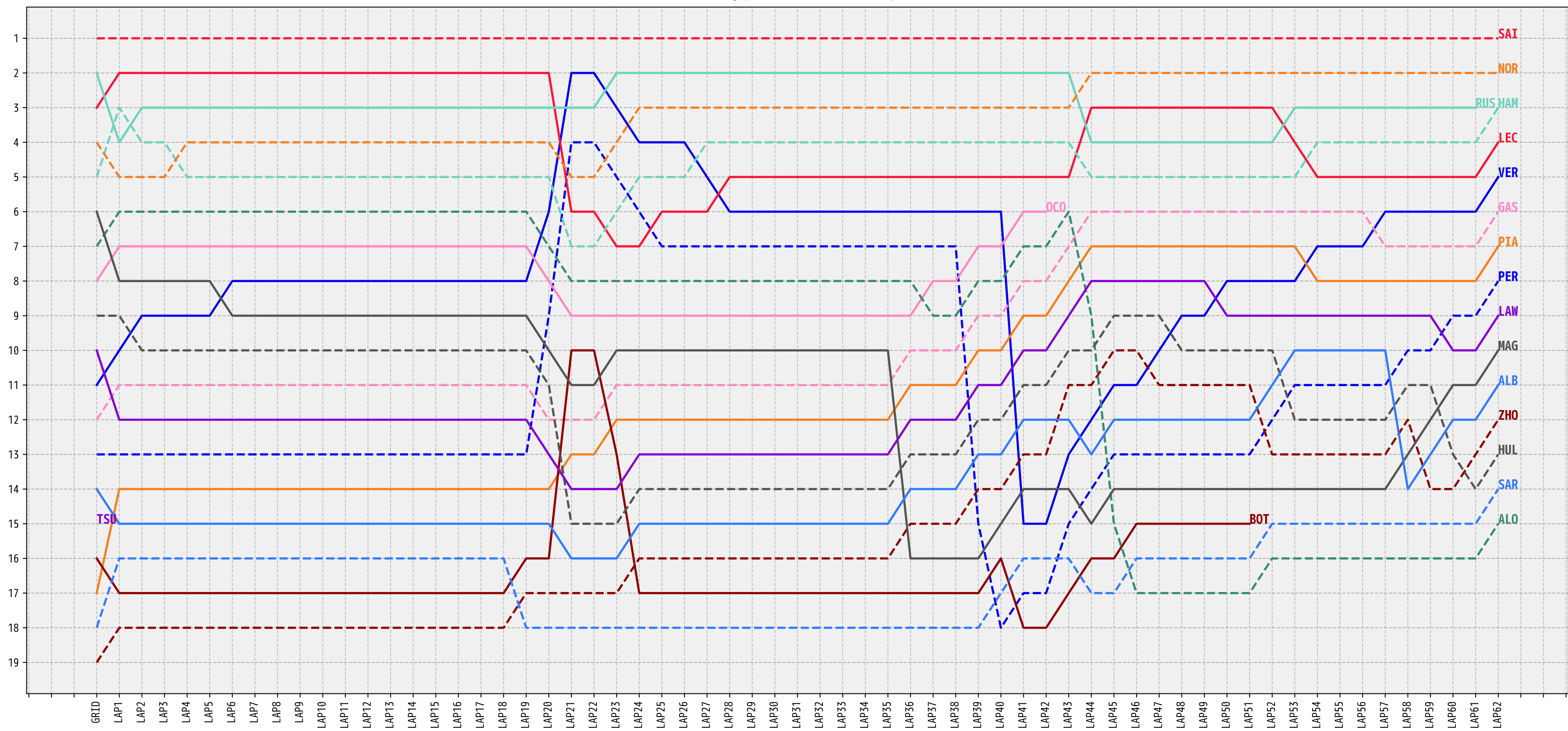
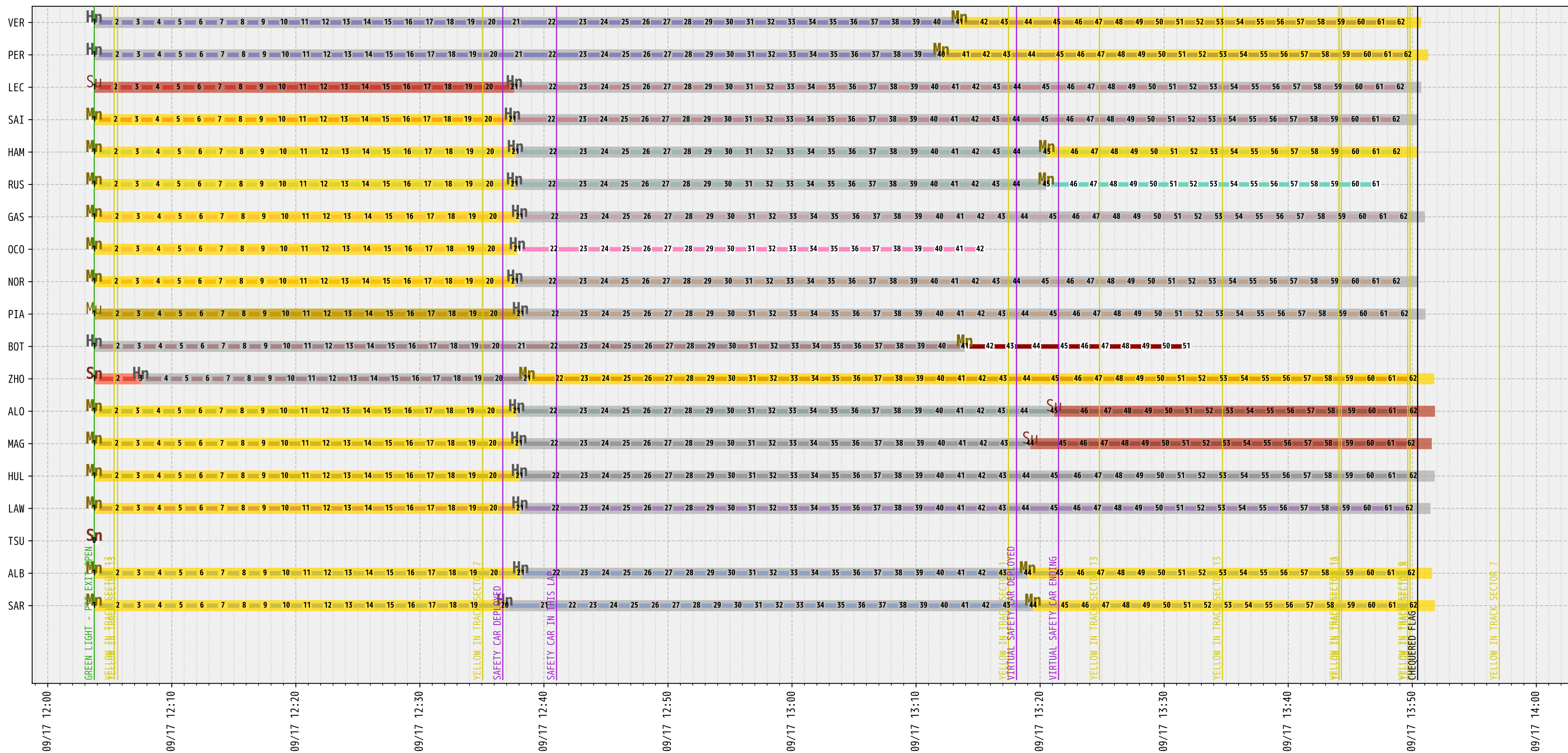


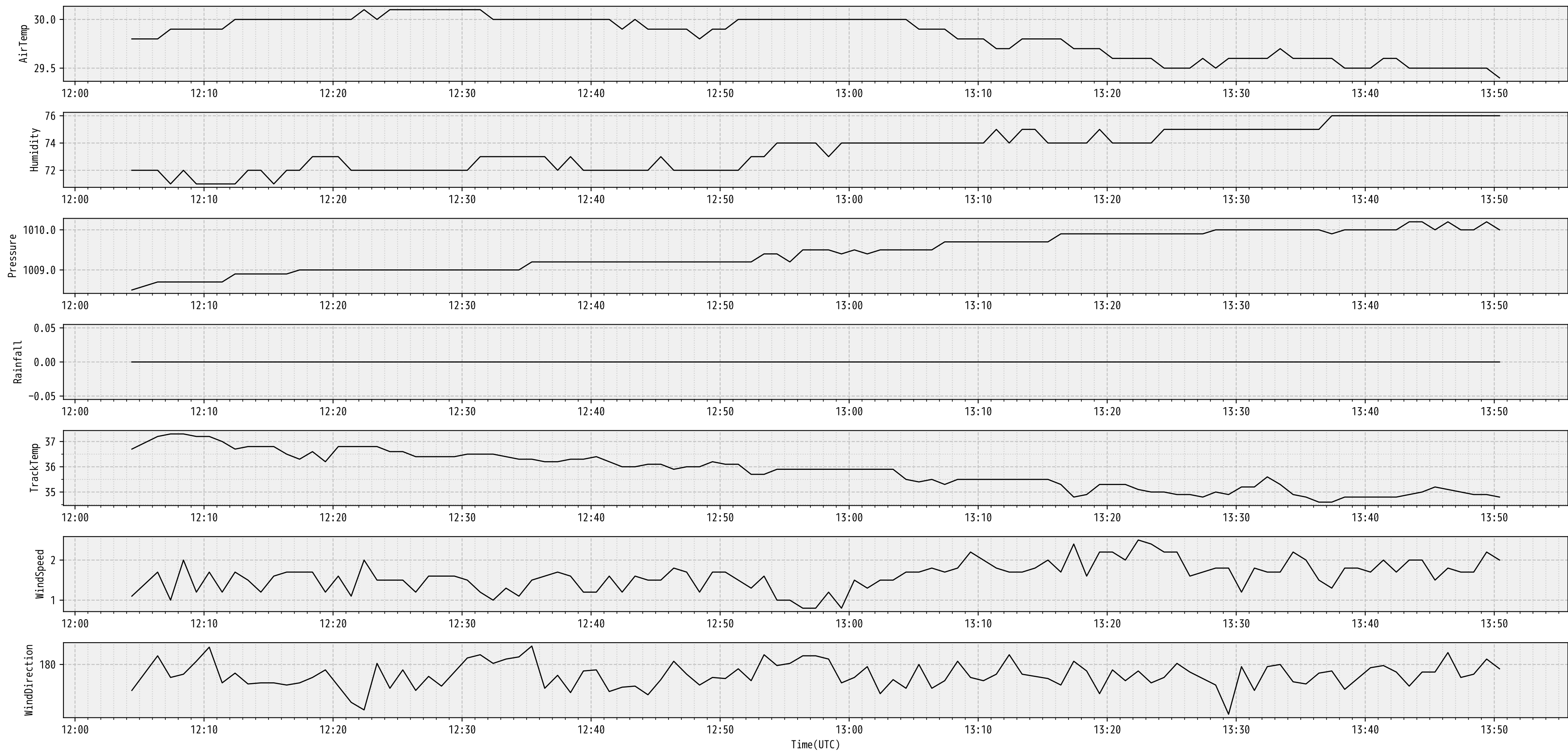
2023 Rd15 Singapore Grand Prix RaceLapchart



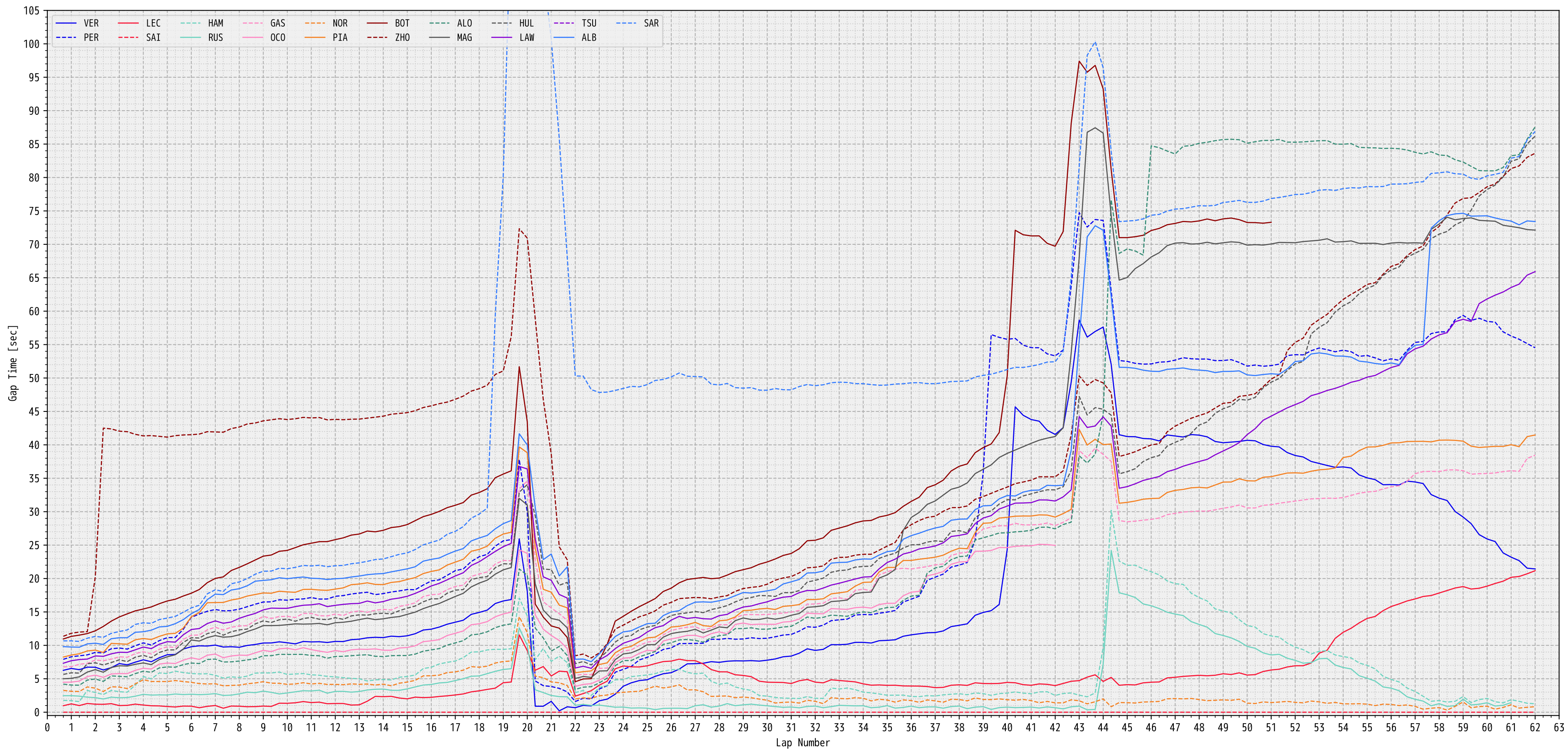
2023 Rd15 Singapore Grand Prix Race Tyre Chart



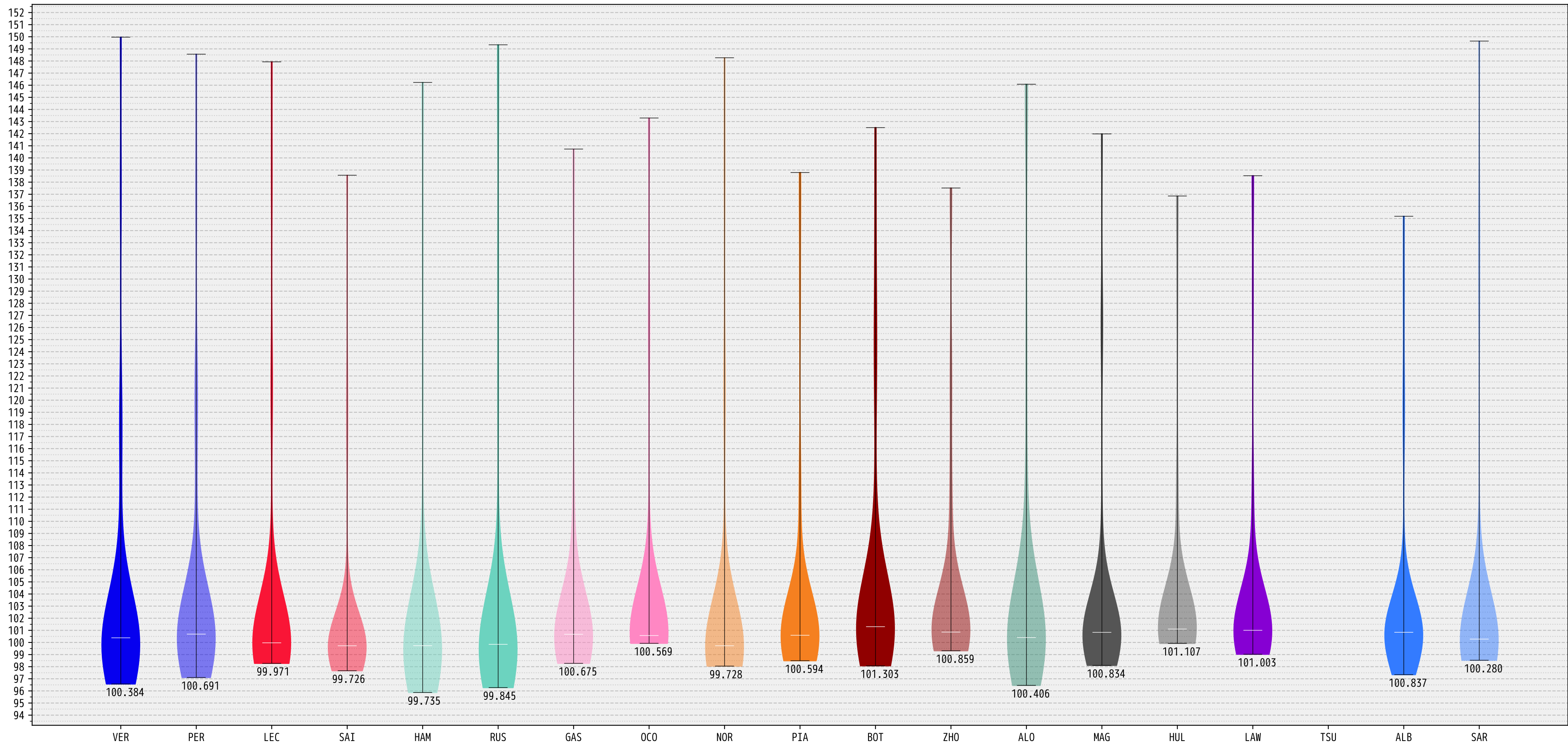
2023 Rd15 Singapore Grand Prix Race Weather Data



2023 Rd15 Singapore Grand Prix Race Gap Time

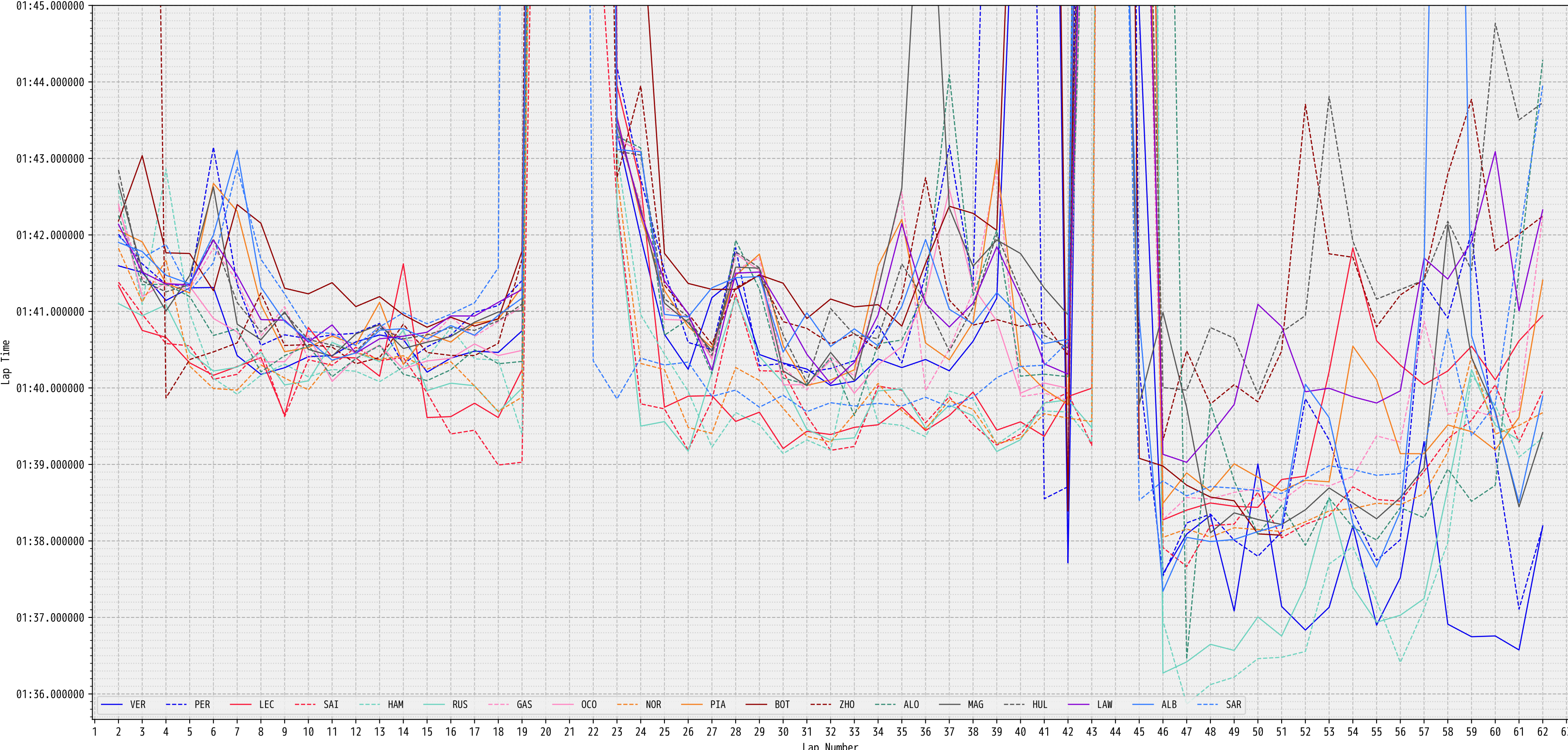


2023 Rd15 Singapore Grand Prix Race Laptme Violin Plot

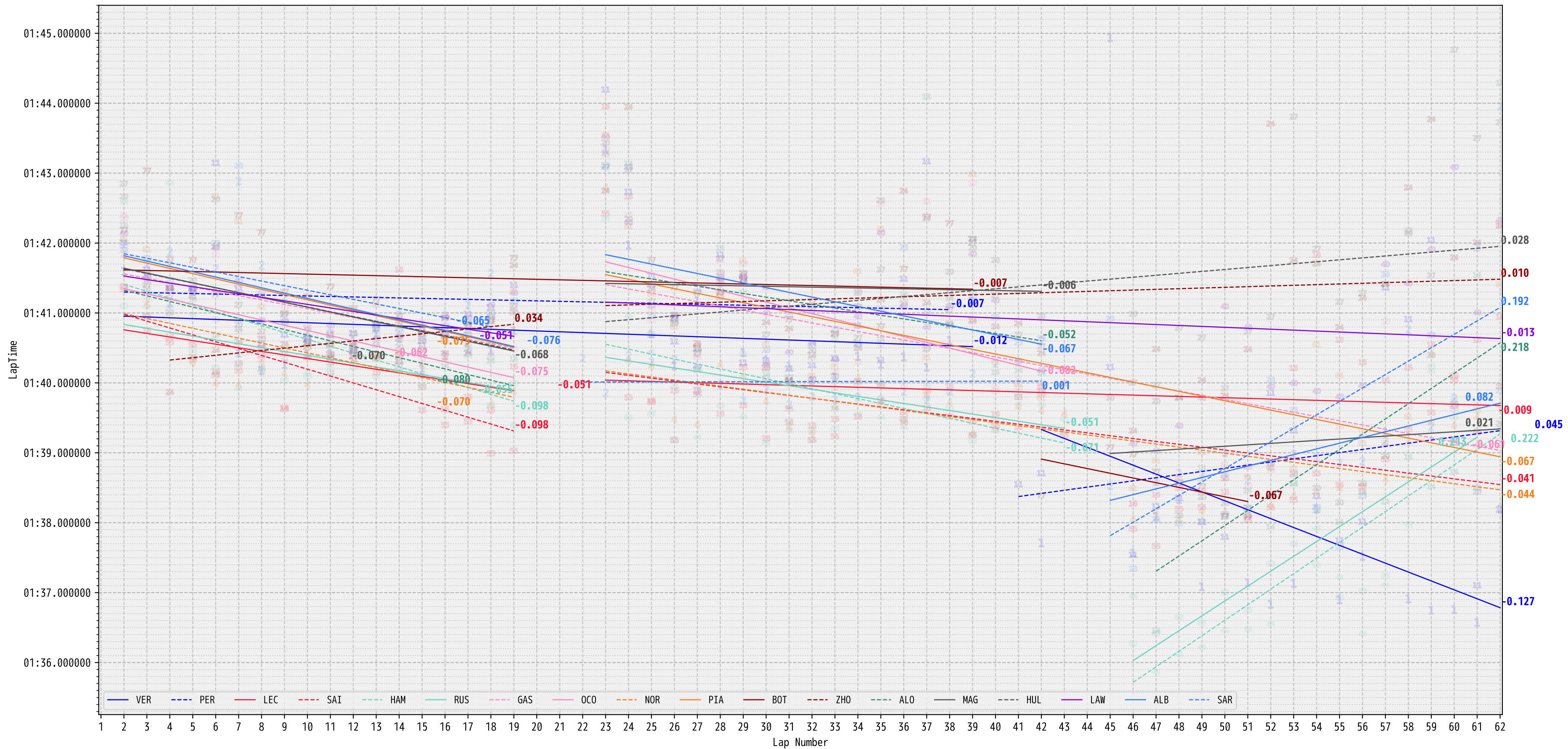


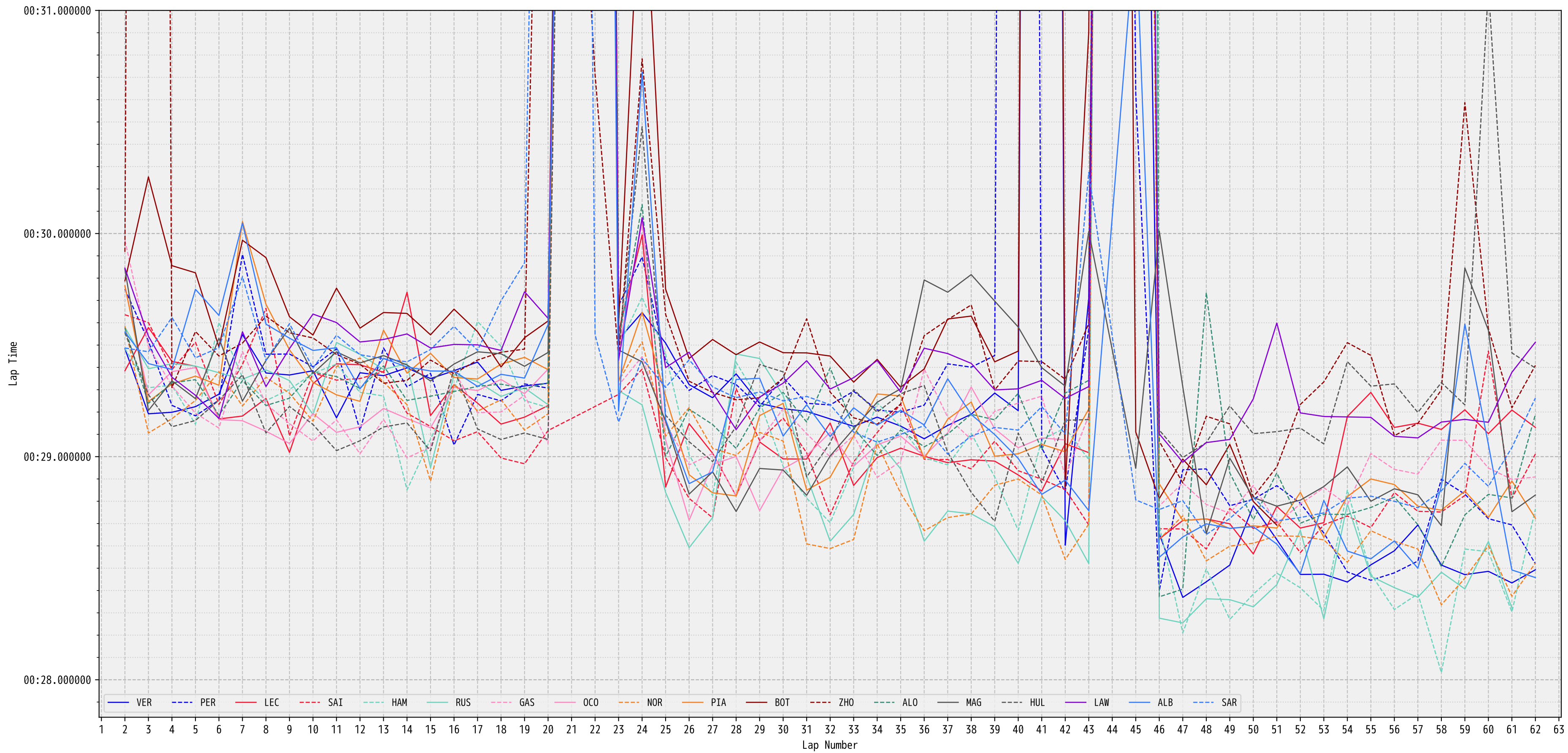
2023 Rd15 Singapore Grand Prix Race ラップタイム/

(1:45,000までのタイムを抽出

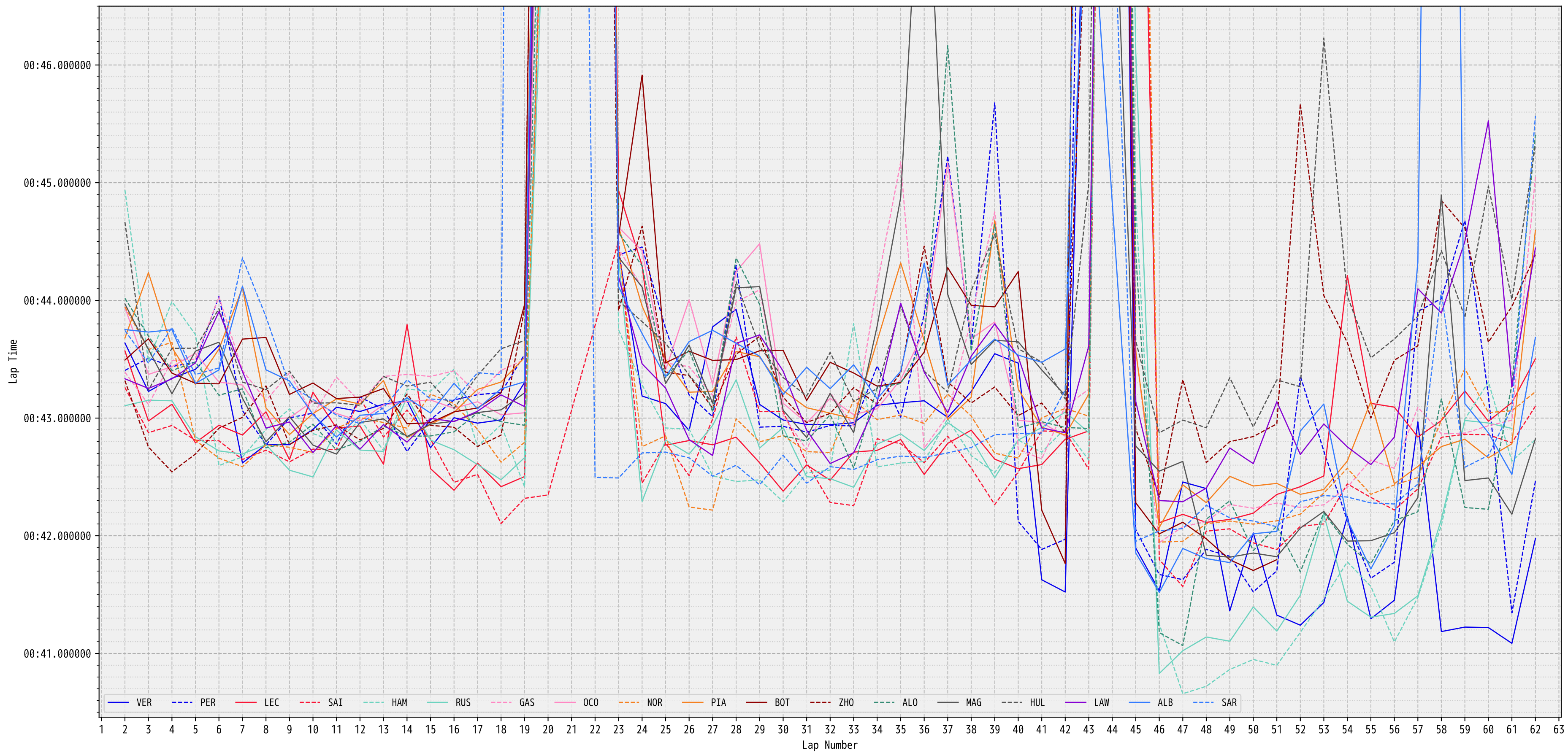


2023 Rd15 Singapore Grand Prix Race
各ステントで1:35.000以上1:45.000以下の周回が3周以上の場合に算出

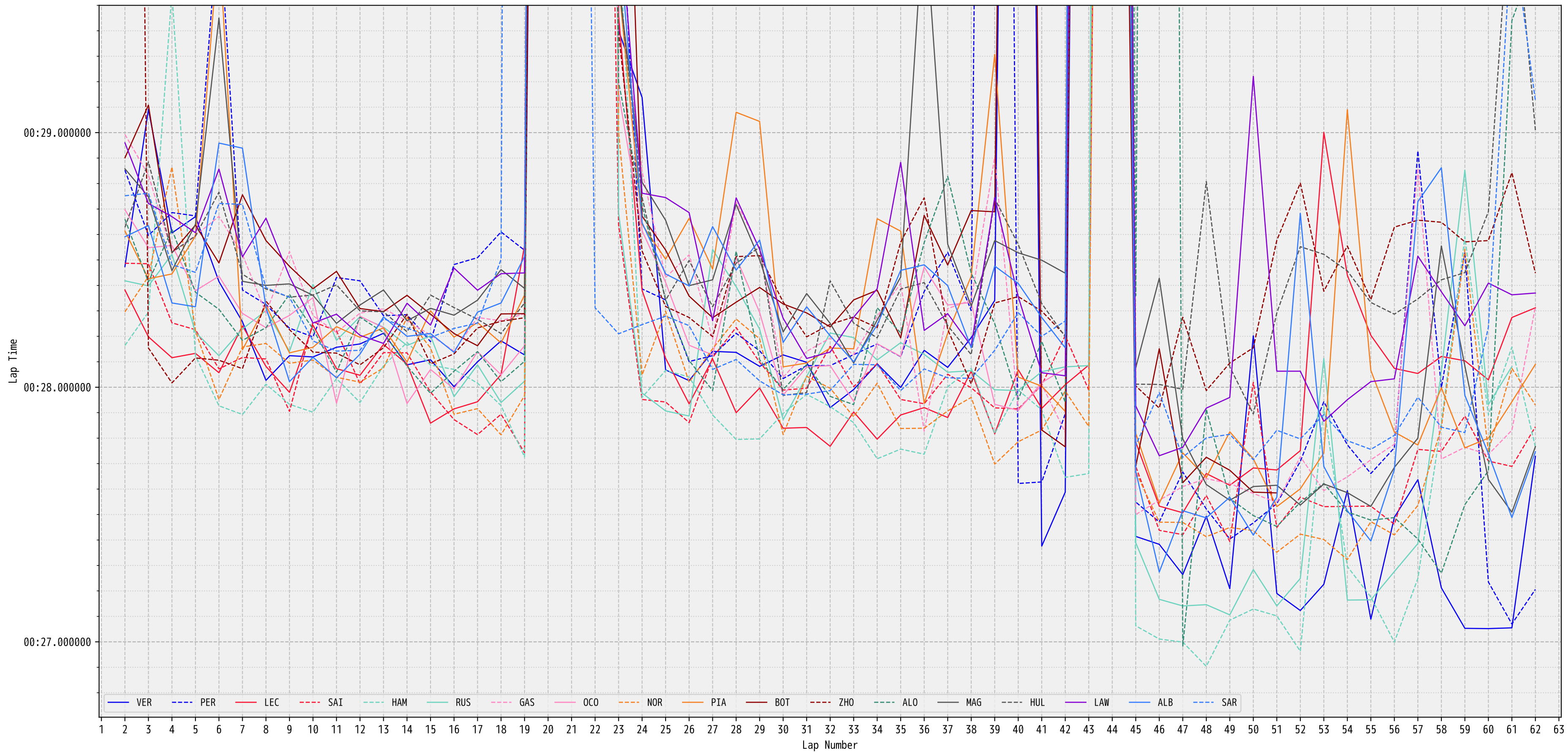


2023 Rd15 Singapore Grand Prix Race Sector1Time
(0:31.000までのタイムを抽出)

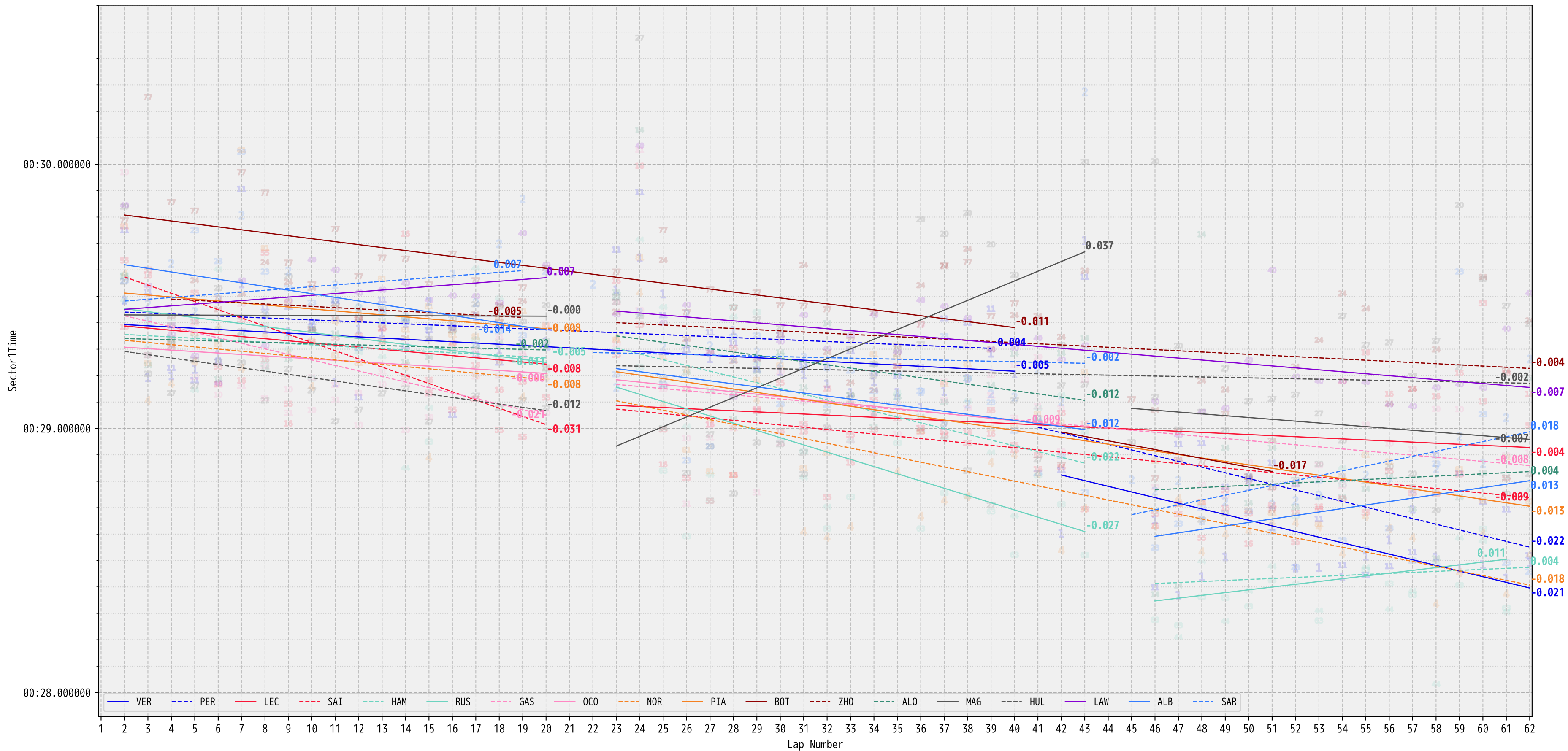
2023 Rd15 Singapore Grand Prix Race Sector2Time
(0:46.500までのタイムを抽出)



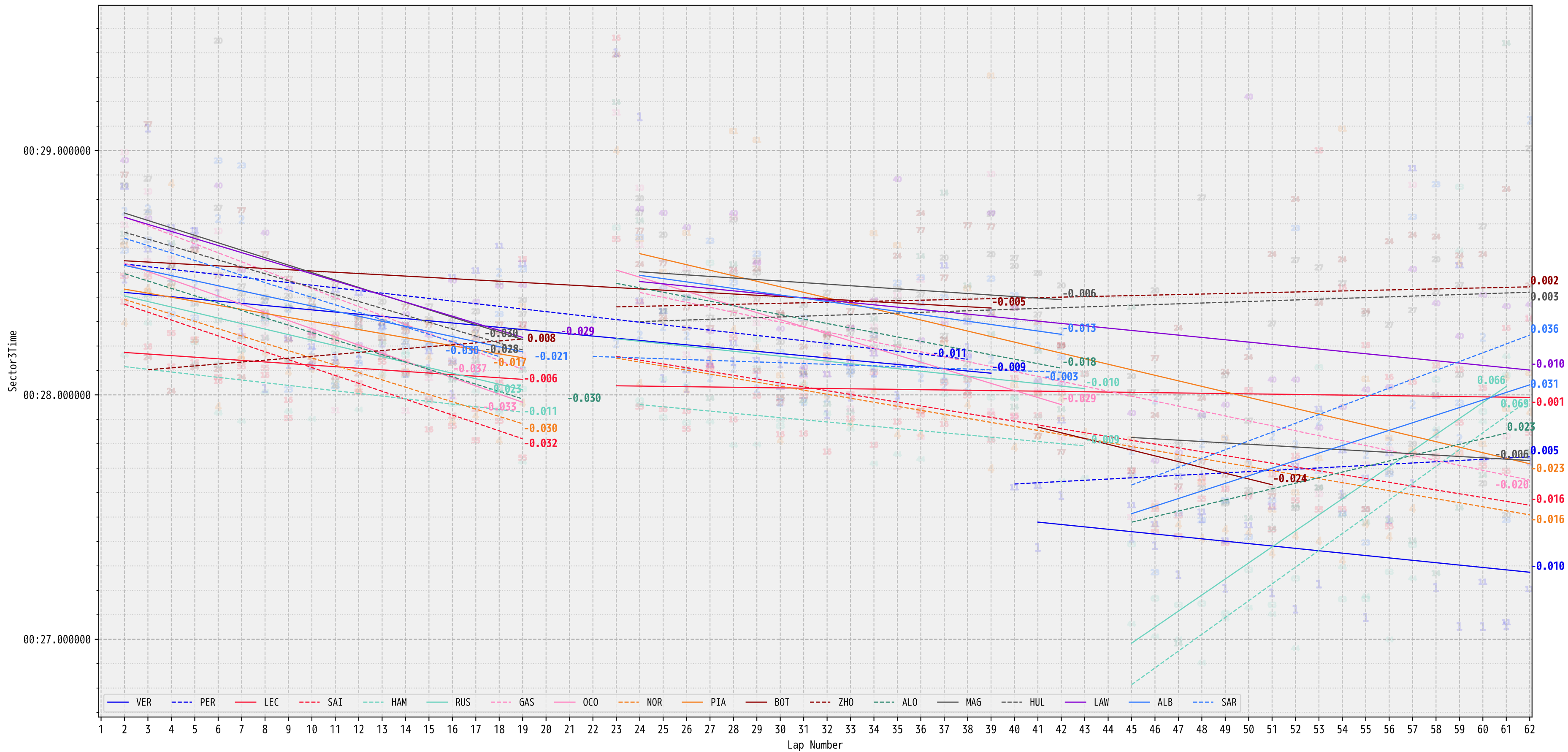
2023 Rd15 Singapore Grand Prix Race Sector3Time
(0:29.500までのタイムを抽出)



2023 Rd15 Singapore Grand Prix Race Sector1Timeの直線近似
各スティントで0:28.000以上0:30.500以下の周回が3周以上の場合に算出



2023 Rd15 Singapore Grand Prix Race Sector3Timeの直線近似
各ステイントで0:26.000以上0:29.500以下の周回が3周以上の場合に算出



Time Category			Message	Status	Flag	Scope	Sector	Racing	Number
2023-09-17 11:10:01	Flag	GREEN LIGHT - PIT EXIT OPEN		NoneGREEN	Track	NaN		None	
2023-09-17 11:20:01	Other	PIT EXIT CLOSED		NoneNone	None	NaN		None	
2023-09-17 11:45:35	Other	RISK OF RAIN FOR THIS SESSION IS 10%		NoneNone	None	NaN		None	
2023-09-17 11:57:11	Drs	DRS DISABLED		DISABLEDNone	None	NaN		None	
2023-09-17 12:03:45	Flag	GREEN LIGHT - PIT EXIT OPEN		NoneGREEN	Track	NaN		None	
2023-09-17 12:05:21	Flag	YELLOW IN TRACK SECTOR 13		NoneYELLOW	Sector	13.0		None	
2023-09-17 12:05:26	Flag	CLEAR IN TRACK SECTOR 13		NoneCLEAR	Sector	13.0		None	
2023-09-17 12:05:38	Flag	YELLOW IN TRACK SECTOR 13		NoneYELLOW	Sector	13.0		None	
2023-09-17 12:05:55	Flag	CLEAR IN TRACK SECTOR 13		NoneCLEAR	Sector	13.0		None	
2023-09-17 12:07:13	Drs	DRS ENABLED		ENABLEDNone	None	NaN		None	
2023-09-17 12:08:46	Other	TURN 2 INCIDENT INVOLVING CAR 44 (HAM) NOTED - LEAVING THE TRACK AND GAINING AN ADVANTAGE		NoneNone	None	NaN		None	
2023-09-17 12:10:53	Other	FIA STEWARDS: TURN 2 INCIDENT INVOLVING CAR 44 (HAM) REVIEWED NO FURTHER INVESTIGATION - LEAVING THE TRACK AND GAINING AN ADVANTAGE		NoneNone	None	NaN		None	
2023-09-17 12:20:39	Other	CAR 10 (GAS) TIME 1:41.829 DELETED - TRACK LIMITS AT TURN 7 LAP 6 20:12:55		NoneNone	None	NaN		None	
2023-09-17 12:35:04	Flag	YELLOW IN TRACK SECTOR 7		NoneYELLOW	Sector	7.0		None	
2023-09-17 12:35:04	Flag	DOUBLE YELLOW IN TRACK SECTOR 7		NoneDOUBLE YELLOW	Sector	7.0		None	
2023-09-17 12:35:24	Flag	CLEAR IN TRACK SECTOR 7		NoneCLEAR	Sector	7.0		None	
2023-09-17 12:35:36	Other	TRACK SURFACE SLIPPERY IN TRACK SECTOR 7		NoneNone	None	NaN		None	
2023-09-17 12:36:41	SafetyCar	SAFETY CAR DEPLOYED		DEPLOYEDNone	None	NaN		None	
2023-09-17 12:36:41	Flag	CLEAR IN TRACK SECTOR 7		NoneCLEAR	Sector	7.0		None	
2023-09-17 12:39:51	Other	INCIDENT INVOLVING CAR 14 (ALO) NOTED - FAILING TO FOLLOW RACE DIRECTORS INSTRUCTIONS â€“ CROSSING THE LINE AT PIT ENTRY		NoneNone	None	NaN		None	
2023-09-17 12:40:52	Other	FIA STEWARDS: INCIDENT INVOLVING CAR 14 (ALO) UNDER INVESTIGATION - FAILING TO FOLLOW RACE DIRECTORS INSTRUCTIONS â€“ CROSSING THE LINE AT PIT ENTRY		NoneNone	None	NaN		None	
2023-09-17 12:41:01	SafetyCar	SAFETY CAR IN THIS LAP		IN THIS LAPNone	None	NaN		None	
2023-09-17 12:42:50	Flag	TRACK CLEAR		NoneCLEAR	Track	NaN		None	
2023-09-17 12:43:50	Other	FIA STEWARDS: 5 SECOND TIME PENALTY FOR CAR 14 (ALO) - FAILING TO FOLLOW RACE DIRECTORS INSTRUCTIONS â€“ CROSSING THE LINE AT PIT ENTRY		NoneNone	None	NaN		None	
2023-09-17 12:45:01	Other	CAR 16 (LEC) TIME 1:43.955 DELETED - TRACK LIMITS AT TURN 7 LAP 23 20:43:44		NoneNone	None	NaN		None	
2023-09-17 12:46:31	Drs	DRS ENABLED		ENABLEDNone	None	NaN		None	
2023-09-17 12:47:24	Other	CAR 44 (HAM) TIME 1:40.957 DELETED - TRACK LIMITS AT TURN 7 LAP 24 20:45:28		NoneNone	None	NaN		None	
2023-09-17 12:49:48	Flag	BLACK AND WHITE FLAG FOR CAR 20 (MAG) - FORCING ANOTHER DRIVER OFF THE TRACK		NoneBLACK AND WHITE	Driver	NaN		20	
2023-09-17 12:55:40	Other	CAR 14 (ALO) TIME 1:41.292 DELETED - TRACK LIMITS AT TURN 2 LAP 29 20:53:28		NoneNone	None	NaN		None	
2023-09-17 13:05:41	Other	TURN 7 INCIDENT INVOLVING CARS 10 (GAS) AND 20 (MAG) NOTED - FORCING ANOTHER DRIVER OFF THE TRACK		NoneNone	None	NaN		None	
2023-09-17 13:07:10	Other	CAR 20 (MAG) TIME 1:42.612 DELETED - TRACK LIMITS AT TURN 7 LAP 35 21:04:00		NoneNone	None	NaN		None	

Time Category			Message	Status	Flag	Scope	Sector	RacingNumber
2023-09-17 13:07:47	Other	CAR 20 (MAG) TIME 1:48.130 DELETED - TRACK LIMITS AT TURN 2 LAP 36 21:05:18	None	None	None	NaN	None	None
2023-09-17 13:14:01	Other	CAR 27 (HUL) TIME 1:42.010 DELETED - TRACK LIMITS AT TURN 7 LAP 39 21:10:47	None	None	None	NaN	None	None
2023-09-17 13:17:10	Flag	DOUBLE YELLOW IN TRACK SECTOR 2	None	DOUBLE YELLOW	Sector 2.0		None	
2023-09-17 13:17:12	Other	DRS DISABLED IN ZONE 3	None	None	None	NaN	None	None
2023-09-17 13:17:27	Flag	YELLOW IN TRACK SECTOR 1	None	YELLOW	Sector 1.0		None	
2023-09-17 13:18:06	SafetyCar	VIRTUAL SAFETY CAR DEPLOYED	DEPLOYED	None	None	NaN	None	None
2023-09-17 13:21:23	Flag	CLEAR IN TRACK SECTOR 1	None	CLEAR	Sector 1.0		None	
2023-09-17 13:21:26	Flag	CLEAR IN TRACK SECTOR 2	None	CLEAR	Sector 2.0		None	
2023-09-17 13:21:29	SafetyCar	VIRTUAL SAFETY CAR ENDING	ENDING	None	None	NaN	None	None
2023-09-17 13:21:44	Flag	TRACK CLEAR	None	CLEAR	Track	NaN	None	
2023-09-17 13:21:55	Drs	DRS ENABLED	ENABLED	None	None	NaN	None	None
2023-09-17 13:22:57	Other	FIA STEWARDS: TURN 7 INCIDENT INVOLVING CARS 10 (GAS) AND 20 (MAG) REVIEWED NO FURTHER INVESTIGATION - FORCING ANOTHER DRIVER OFF THE TRACK	None	None	None	NaN	None	None
2023-09-17 13:24:47	Flag	YELLOW IN TRACK SECTOR 13	None	YELLOW	Sector 13.0		None	
2023-09-17 13:24:49	Other	DRS DISABLED IN ZONE 2	None	None	None	NaN	None	None
2023-09-17 13:24:50	Flag	DOUBLE YELLOW IN TRACK SECTOR 13	None	DOUBLE YELLOW	Sector 13.0		None	
2023-09-17 13:25:03	Flag	CLEAR IN TRACK SECTOR 13	None	CLEAR	Sector 13.0		None	
2023-09-17 13:25:03	Other	DRS ENABLED IN ZONE 2	None	None	None	NaN	None	None
2023-09-17 13:25:29	CarEvent	CAR 14 (ALO) OFF TRACK AND CONTINUED AT TURN 14	None	None	None	NaN	14	
2023-09-17 13:29:59	Other	PIT EXIT INCIDENT INVOLVING CARS 11 (PER) AND 23 (ALB) NOTED - VSC INFRINGEMENT	None	None	None	NaN	None	None
2023-09-17 13:31:48	Other	FIA STEWARDS: PIT EXIT INCIDENT INVOLVING CARS 11 (PER) AND 23 (ALB) WILL BE INVESTIGATED AFTER THE RACE - VSC INFRINGEMENT	None	None	None	NaN	None	None
2023-09-17 13:33:17	Other	CAR 63 (RUS) TIME 1:36.757 DELETED - TRACK LIMITS AT TURN 19 LAP 51 21:32:20	None	None	None	NaN	None	None
2023-09-17 13:34:42	Flag	YELLOW IN TRACK SECTOR 13	None	YELLOW	Sector 13.0		None	
2023-09-17 13:34:44	Other	DRS DISABLED IN ZONE 2	None	None	None	NaN	None	None
2023-09-17 13:34:45	Flag	CLEAR IN TRACK SECTOR 13	None	CLEAR	Sector 13.0		None	
2023-09-17 13:34:45	Other	DRS ENABLED IN ZONE 2	None	None	None	NaN	None	None
2023-09-17 13:37:49	Other	CAR 27 (HUL) TIME 1:43.808 DELETED - TRACK LIMITS AT TURN 7 LAP 53 21:35:18	None	None	None	NaN	None	None
2023-09-17 13:44:06	Flag	YELLOW IN TRACK SECTOR 11	None	YELLOW	Sector 11.0		None	
2023-09-17 13:44:09	Other	DRS DISABLED IN ZONE 2	None	None	None	NaN	None	None
2023-09-17 13:44:15	Flag	DOUBLE YELLOW IN TRACK SECTOR 11	None	DOUBLE YELLOW	Sector 11.0		None	
2023-09-17 13:44:17	Flag	YELLOW IN TRACK SECTOR 10	None	YELLOW	Sector 10.0		None	
2023-09-17 13:44:22	Flag	CLEAR IN TRACK SECTOR 11	None	CLEAR	Sector 11.0		None	
2023-09-17 13:44:22	Other	DRS ENABLED IN ZONE 2	None	None	None	NaN	None	None

Time Category			Message	Status	Flag	Scope	Sector	RacingNumber
2023-09-17 13:44:27	Flag	CLEAR IN TRACK SECTOR 10		None	CLEAR		Sector 10.0	None
2023-09-17 13:45:13	Other	TURN 13 INCIDENT INVOLVING CARS 11 (PER) AND 23 (ALB) NOTED - CAUSING A COLLISION		None	None		None NaN	None
2023-09-17 13:45:38	Other	FIA STEWARDS: TURN 13 INCIDENT INVOLVING CARS 11 (PER) AND 23 (ALB) WILL BE INVESTIGATED AFTER THE RACE - CAUSING A COLLISION		None	None		None NaN	None
2023-09-17 13:48:42	Other	TURN 7 INCIDENT INVOLVING CARS 11 (PER) AND 40 (LAW) NOTED - CAUSING A COLLISION		None	None		None NaN	None
2023-09-17 13:49:08	Other	CAR 11 (PER) TIME 1:39.147 DELETED - TRACK LIMITS AT TURN 7 LAP 60 21:46:56		None	None		None NaN	None
2023-09-17 13:49:38	Flag	YELLOW IN TRACK SECTOR 9		None	YELLOW		Sector 9.0	None
2023-09-17 13:49:46	Flag	DOUBLE YELLOW IN TRACK SECTOR 9		None	DOUBLE YELLOW		Sector 9.0	None
2023-09-17 13:49:49	Flag	YELLOW IN TRACK SECTOR 8		None	YELLOW		Sector 8.0	None
2023-09-17 13:50:26	Flag	CHEQUERED FLAG		None	CHEQUERED		Track NaN	None
2023-09-17 13:57:01	Flag	YELLOW IN TRACK SECTOR 7		None	YELLOW		Sector 7.0	None
2023-09-17 13:58:01	Other	FIA STEWARDS: TURN 7 INCIDENT INVOLVING CARS 11 (PER) AND 40 (LAW) REVIEWED NO FURTHER INVESTIGATION - CAUSING A COLLISION		None	None		None NaN	None