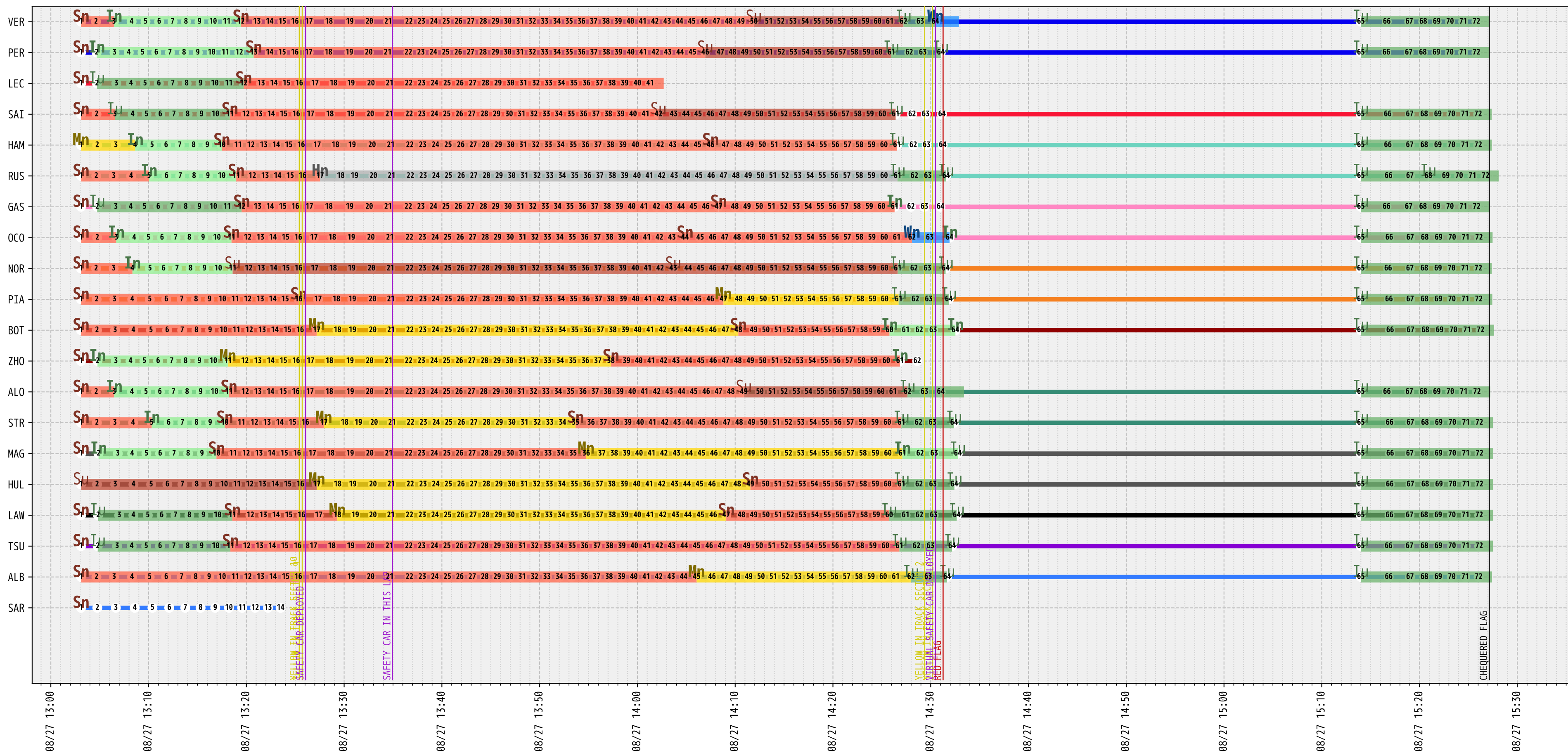
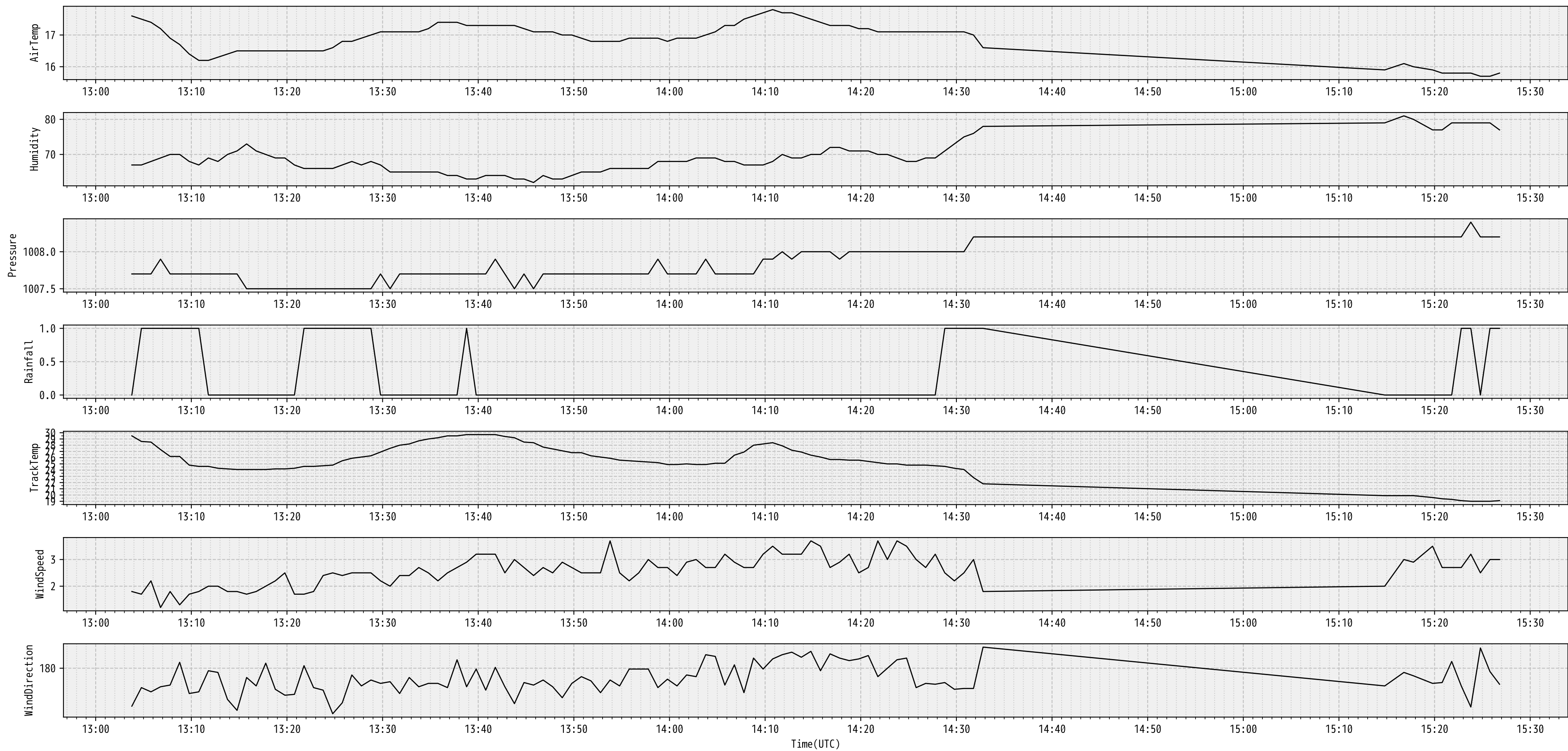


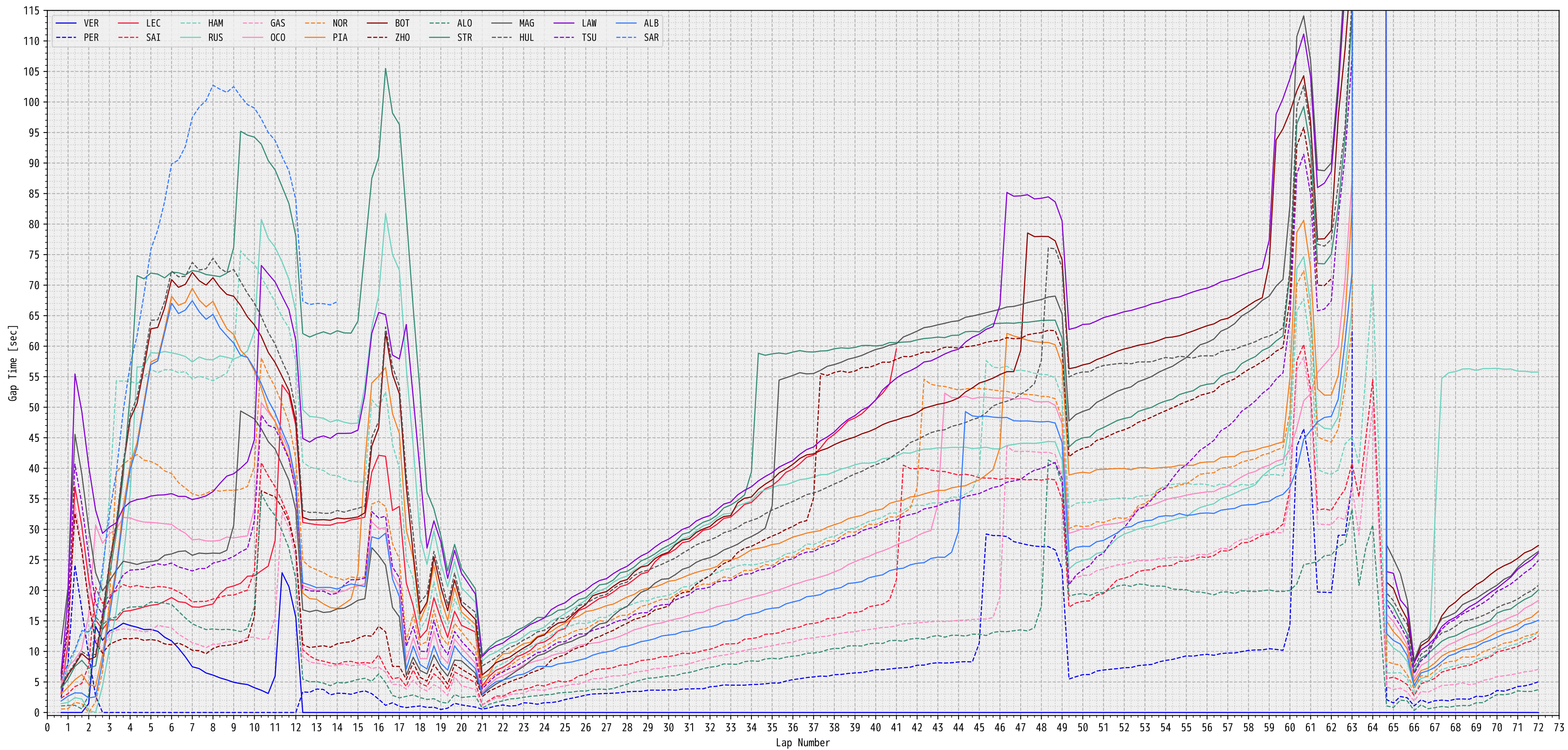
2023 Rd13 Dutch Grand Prix Race Tyre Chart



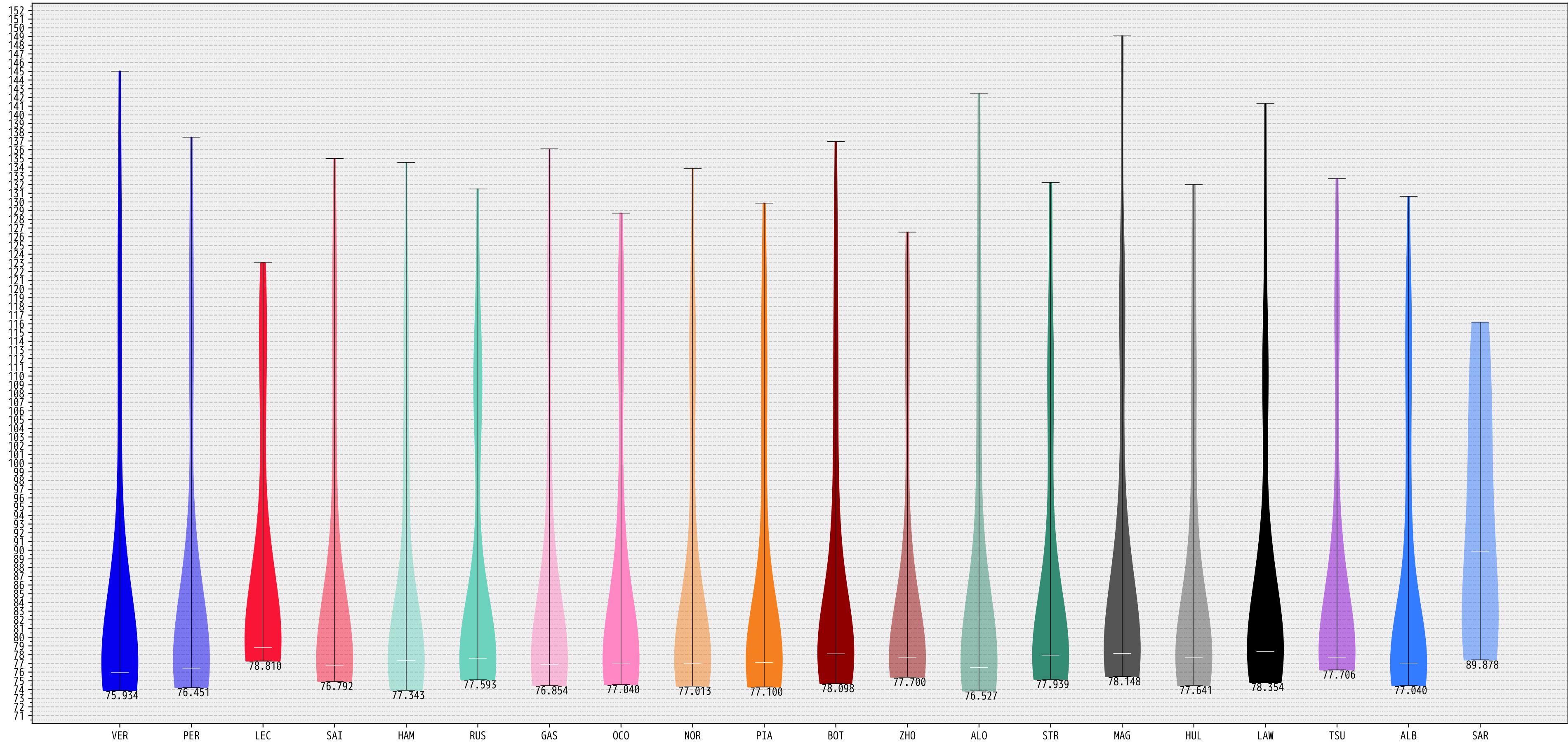
2023 Rd13 Dutch Grand Prix Race Weather Data



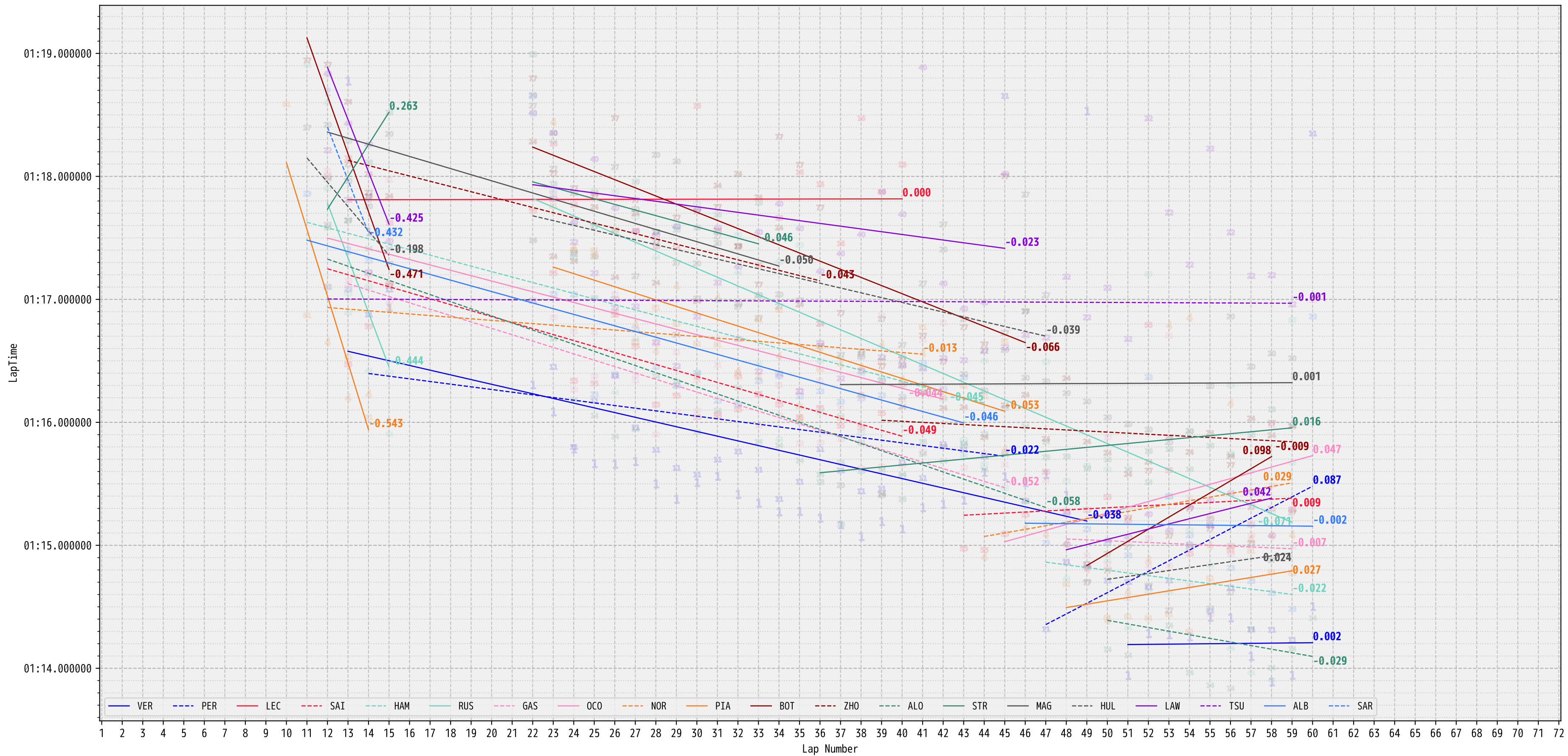
2023 Rd13 Dutch Grand Prix Race Gap Time

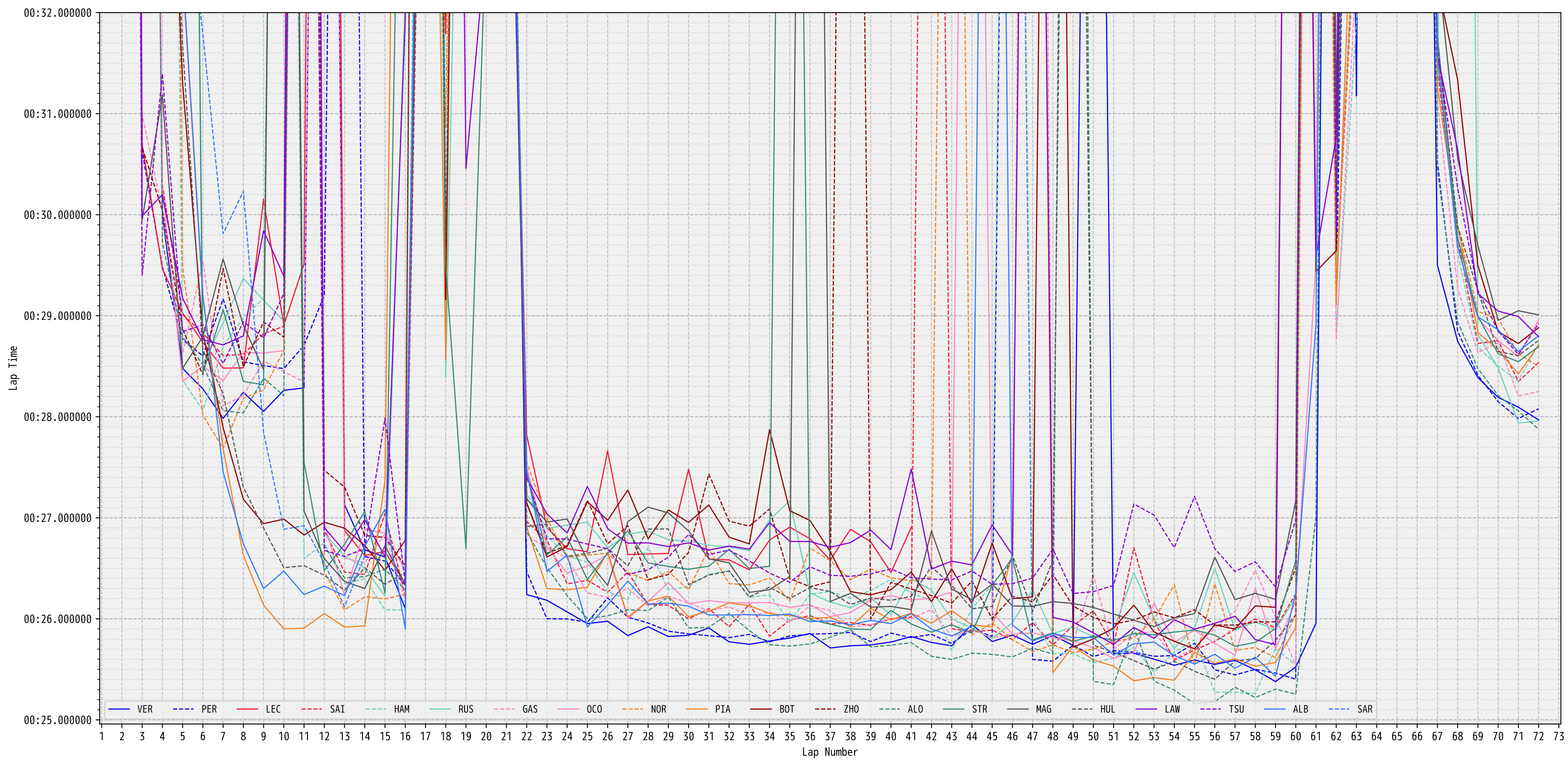


2023 Rd13 Dutch Grand Prix Race Laptime Violin Plot

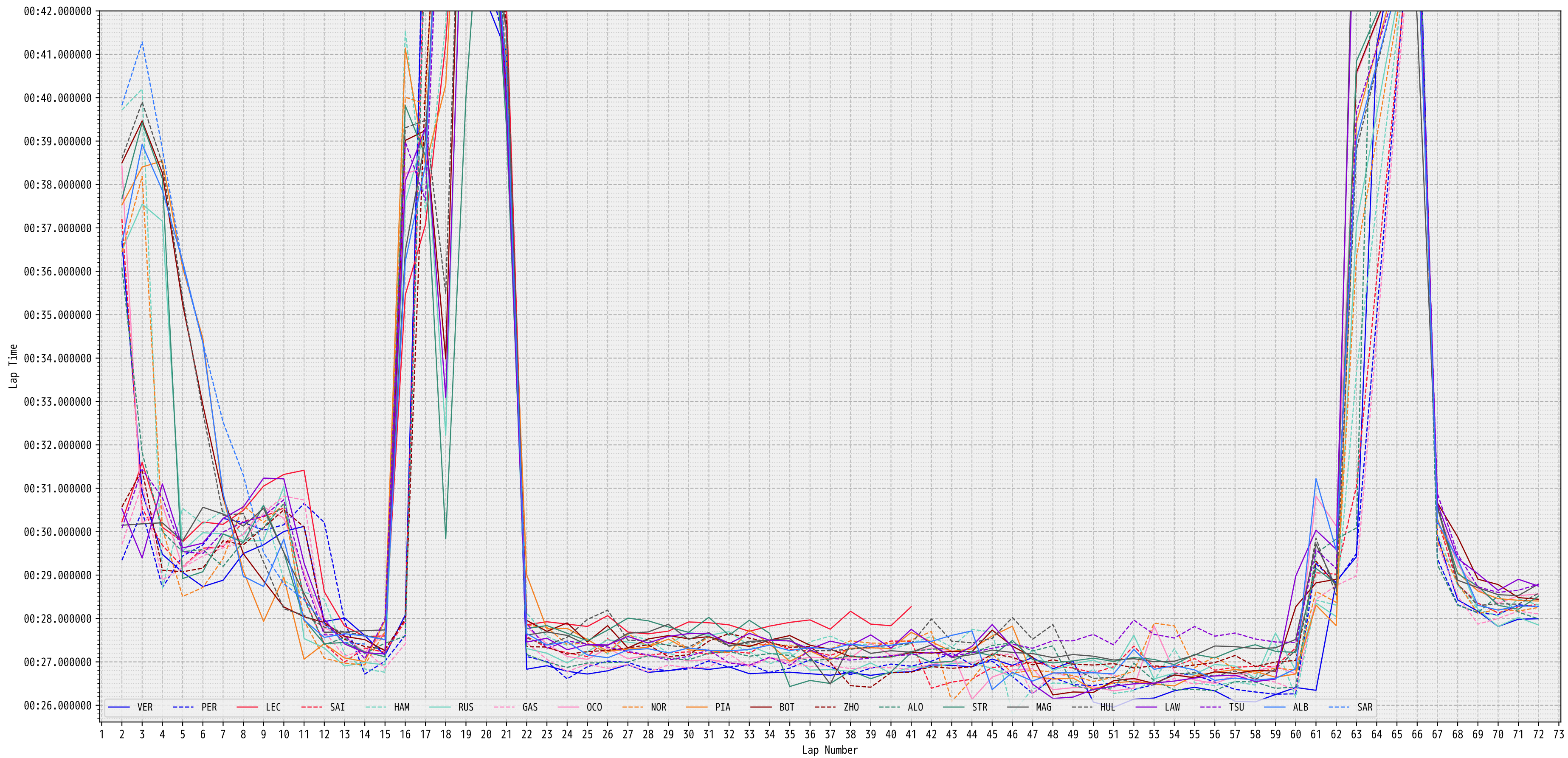


2023 Rd13 Dutch Grand Prix Race
各スティントで1:13.000以上1:19.000以下の周回が3周以上の場合に算出

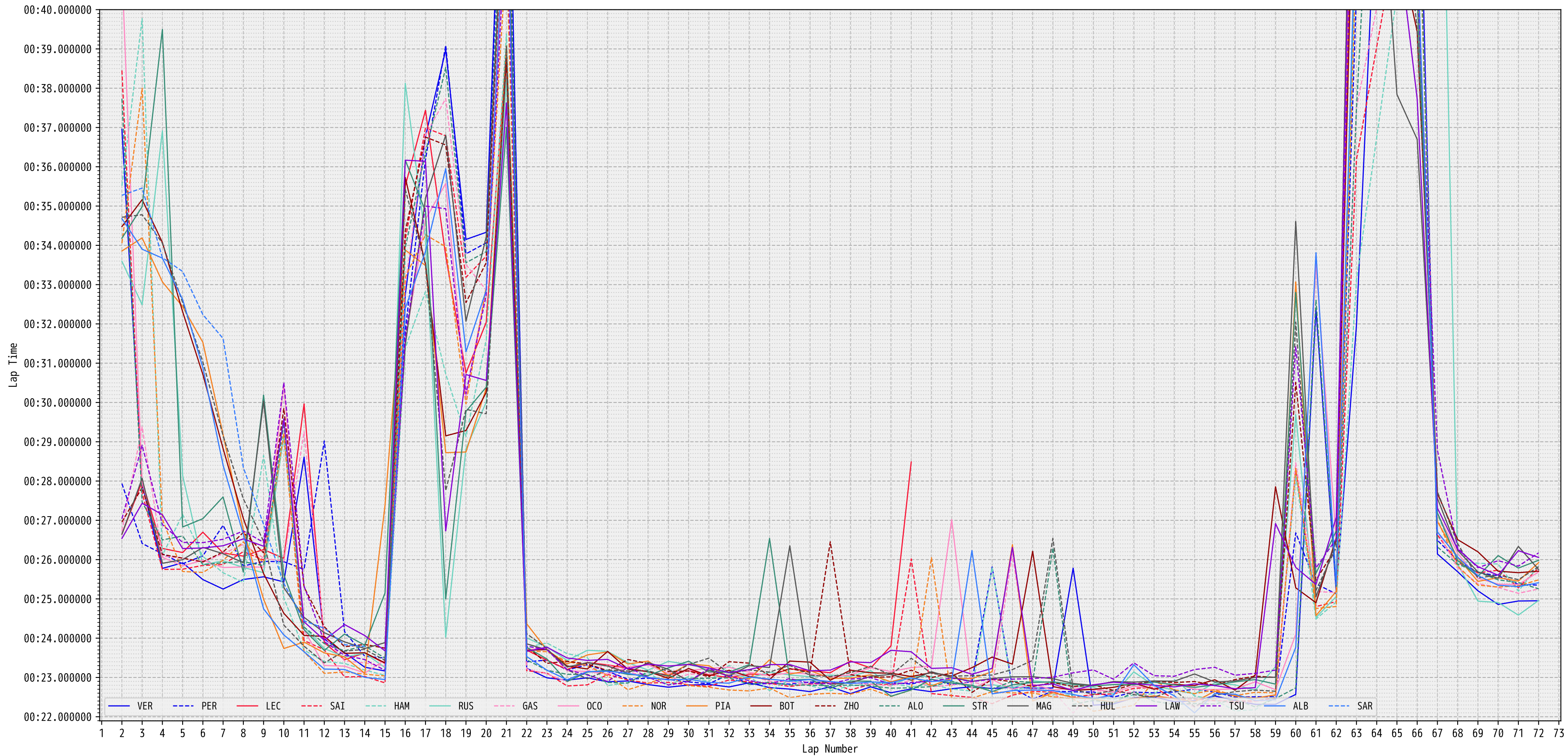


2023 Rd13 Dutch Grand Prix Race Sector1Time
(0:32.000までのタイムを抽出)

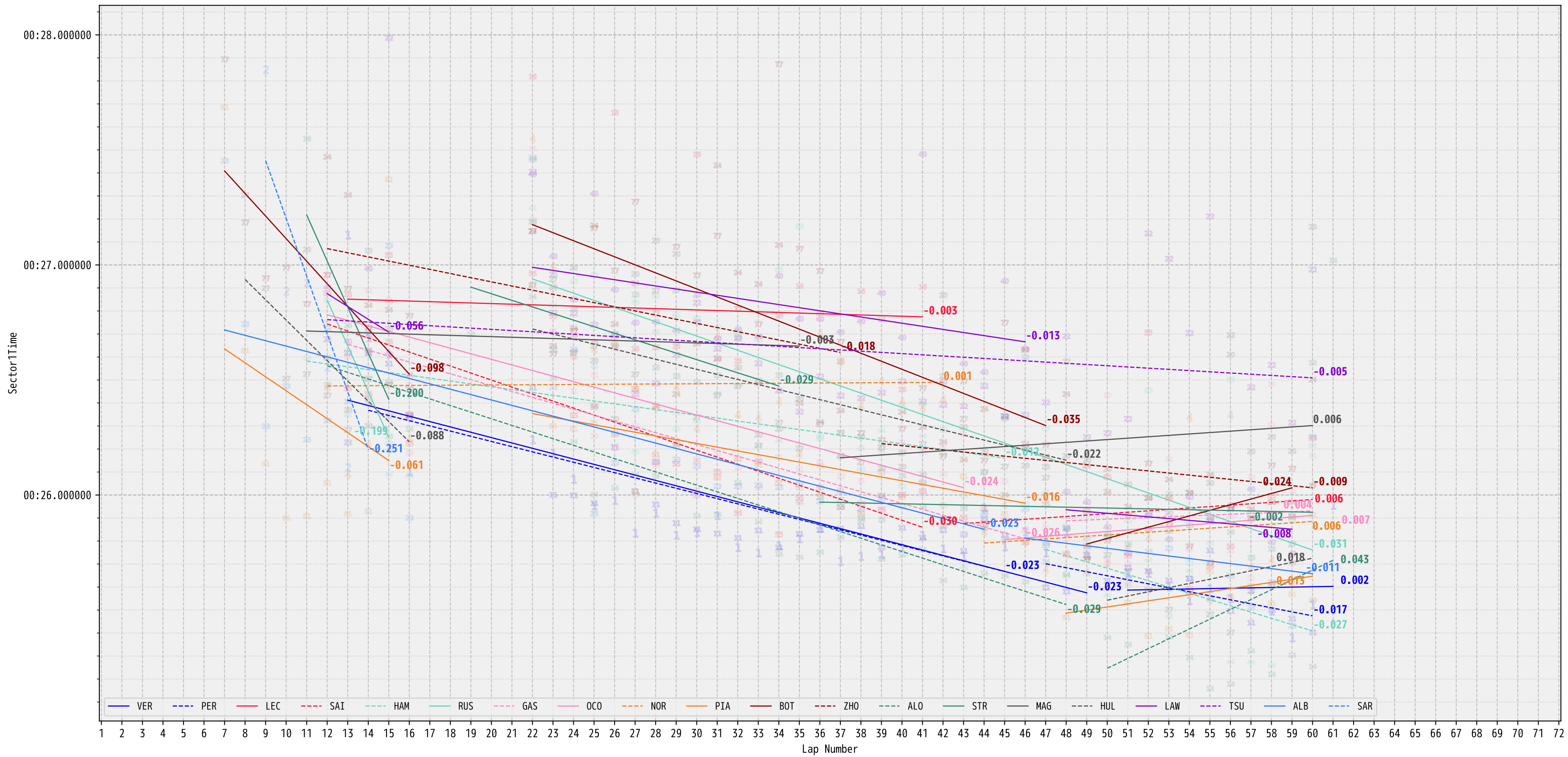
2023 Rd13 Dutch Grand Prix Race Sector2Time
(0:42.000までのタイムを抽出)



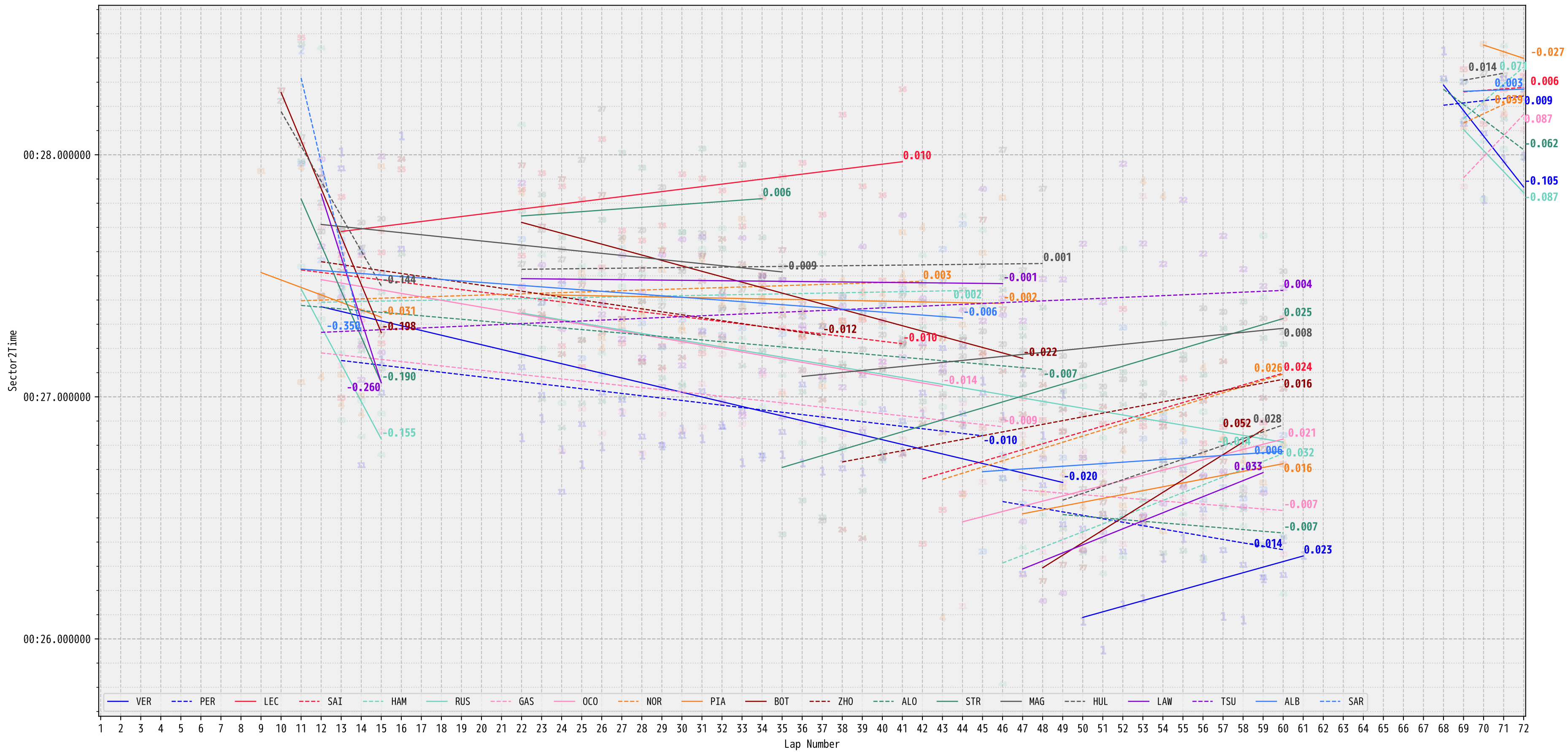
2023 Rd13 Dutch Grand Prix Race Sector3 Time
(0:40.000までのタイムを抽出)



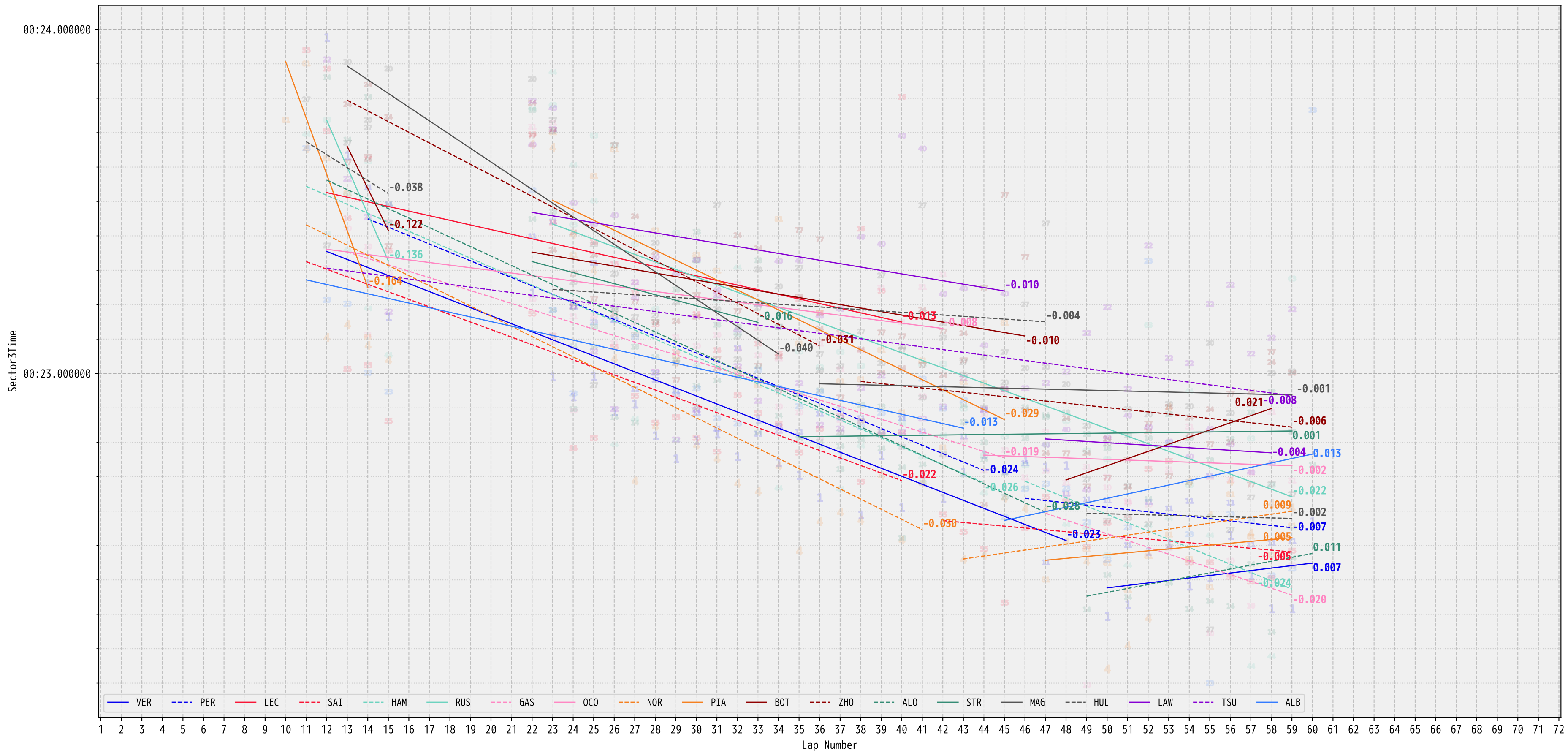
2023 Rd13 Dutch Grand Prix RaceSector1Timeの直線近似
各スティントで0:25.000以上0:28.000以下の周回が3周以上の場合に算出



2023 Rd13 Dutch Grand Prix Race Sector2Timeの直線近似
各ステイントで0:25.000以上0:28.500以下の周回が3周以上の場合に算出



2023 Rd13 Dutch Grand Prix Race Sector3Timeの直線近似
各ステイントで0:22.000以上0:24.000以下の周回が3周以上の場合に算出



| Time Category | | Message | Status | Flag | Scope | Sector | RacingNumber |
|---------------------|-----------|--|-------------|-----------------|--------|--------|--------------|
| 2023-08-27 12:05:53 | Other | PINK HEAD PADDING MATERIAL MUST BE USED | None | None | None | NaN | None |
| 2023-08-27 12:10:01 | Flag | GREEN LIGHT - PIT EXIT OPEN | None | GREEN | Track | NaN | None |
| 2023-08-27 12:20:01 | Other | PIT EXIT CLOSED | None | None | None | NaN | None |
| 2023-08-27 12:21:01 | Flag | YELLOW IN TRACK SECTOR 11 | None | YELLOW | Sector | 11.0 | None |
| 2023-08-27 12:21:04 | Flag | CLEAR IN TRACK SECTOR 11 | None | CLEAR | Sector | 11.0 | None |
| 2023-08-27 12:21:21 | Flag | YELLOW IN TRACK SECTOR 11 | None | YELLOW | Sector | 11.0 | None |
| 2023-08-27 12:21:33 | Flag | CLEAR IN TRACK SECTOR 11 | None | CLEAR | Sector | 11.0 | None |
| 2023-08-27 12:45:06 | Other | RISK OF RAIN FOR F1 RACE IS 70% | None | None | None | NaN | None |
| 2023-08-27 12:57:05 | Drs | DRS DISABLED | DISABLED | None | None | NaN | None |
| 2023-08-27 13:03:05 | Flag | GREEN LIGHT - PIT EXIT OPEN | None | GREEN | Track | NaN | None |
| 2023-08-27 13:04:34 | Other | LOW GRIP CONDITIONS | None | None | None | NaN | None |
| 2023-08-27 13:07:16 | Other | PIT LANE INCIDENT INVOLVING CARS 20 (MAG) AND 40 (LAW) NOTED - IMPEDING | None | None | None | NaN | None |
| 2023-08-27 13:08:20 | CarEvent | CAR 16 (LEC) OFF TRACK AND CONTINUED AT TURN 11 | None | None | None | NaN | 16 |
| 2023-08-27 13:09:36 | Other | FIA STEWARDS: PIT LANE INCIDENT INVOLVING CARS 20 (MAG) AND 40 (LAW) UNDER INVESTIGATION - IMPEDING | None | None | None | NaN | None |
| 2023-08-27 13:10:44 | CarEvent | CAR 23 (ALB) OFF TRACK AND CONTINUED AT TURN 11 | None | None | None | NaN | 23 |
| 2023-08-27 13:11:36 | Other | FIA STEWARDS: 10 SECOND TIME PENALTY FOR CAR 40 (LAW) - IMPEDING | None | None | None | NaN | None |
| 2023-08-27 13:12:05 | CarEvent | CAR 10 (GAS) OFF TRACK AND CONTINUED AT TURN 3 | None | None | None | NaN | 10 |
| 2023-08-27 13:12:48 | Other | CAR 10 (GAS) TIME 1:24.920 DELETED - TRACK LIMITS AT TURN 3 LAP 6 15:11:22 | None | None | None | NaN | None |
| 2023-08-27 13:13:17 | Flag | WAVED BLUE FLAG FOR CAR 2 (SAR) TIMED AT 15:13:17 | None | BLUE | Driver | NaN | 2 |
| 2023-08-27 13:14:34 | Flag | WAVED BLUE FLAG FOR CAR 2 (SAR) TIMED AT 15:14:34 | None | BLUE | Driver | NaN | 2 |
| 2023-08-27 13:15:03 | Flag | WAVED BLUE FLAG FOR CAR 2 (SAR) TIMED AT 15:15:03 | None | BLUE | Driver | NaN | 2 |
| 2023-08-27 13:15:18 | Flag | WAVED BLUE FLAG FOR CAR 2 (SAR) TIMED AT 15:15:18 | None | BLUE | Driver | NaN | 2 |
| 2023-08-27 13:16:50 | Flag | WAVED BLUE FLAG FOR CAR 2 (SAR) TIMED AT 15:16:49 | None | BLUE | Driver | NaN | 2 |
| 2023-08-27 13:17:54 | Drs | DRS ENABLED | ENABLED | None | None | NaN | None |
| 2023-08-27 13:23:14 | Other | INCIDENT INVOLVING CAR 10 (GAS) UNDER INVESTIGATION - SPEEDING IN THE PIT LANE | None | None | None | NaN | None |
| 2023-08-27 13:25:25 | Flag | YELLOW IN TRACK SECTOR 10 | None | YELLOW | Sector | 10.0 | None |
| 2023-08-27 13:25:41 | Flag | DOUBLE YELLOW IN TRACK SECTOR 10 | None | DOUBLE YELLOW | Sector | 10.0 | None |
| 2023-08-27 13:25:43 | Flag | YELLOW IN TRACK SECTOR 9 | None | YELLOW | Sector | 9.0 | None |
| 2023-08-27 13:26:04 | SafetyCar | SAFETY CAR DEPLOYED | DEPLOYED | None | None | NaN | None |
| 2023-08-27 13:27:07 | Other | FIA STEWARDS: 5 SECOND TIME PENALTY FOR CAR 10 (GAS) - SPEEDING IN THE PIT LANE | None | None | None | NaN | None |
| 2023-08-27 13:28:08 | Other | RECOVERY VEHICLE ON TRACK AT TURN 8 | None | None | None | NaN | None |
| 2023-08-27 13:33:03 | Flag | CLEAR IN TRACK SECTOR 10 | None | CLEAR | Sector | 10.0 | None |
| 2023-08-27 13:33:06 | Flag | CLEAR IN TRACK SECTOR 9 | None | CLEAR | Sector | 9.0 | None |
| 2023-08-27 13:34:57 | SafetyCar | SAFETY CAR IN THIS LAP | IN THIS LAP | None | None | NaN | None |
| 2023-08-27 13:36:19 | Flag | TRACK CLEAR | None | CLEAR | Track | NaN | None |
| 2023-08-27 13:39:14 | Drs | DRS ENABLED | ENABLED | None | None | NaN | None |
| 2023-08-27 13:40:21 | Other | TURN 1 INCIDENT INVOLVING CARS 20 (MAG) AND 23 (ALB) NOTED - MOVING UNDER BRAKING | None | None | None | NaN | None |
| 2023-08-27 13:41:15 | Flag | BLACK AND WHITE FLAG FOR CAR 20 (MAG) - MOVING UNDER BRAKING | None | BLACK AND WHITE | Driver | NaN | 20 |
| 2023-08-27 13:43:02 | Other | TURN 1 INCIDENT INVOLVING CARS 22 (TSU) AND 31 (OCO) NOTED - FORCING ANOTHER DRIVER OFF THE TRACK | None | None | None | NaN | None |
| 2023-08-27 13:45:41 | Flag | BLACK AND WHITE FLAG FOR CAR 22 (TSU) - FORCING ANOTHER DRIVER OFF THE TRACK | None | BLACK AND WHITE | Driver | NaN | 22 |
| 2023-08-27 14:17:50 | Other | TURN 1 INCIDENT INVOLVING CARS 22 (TSU) AND 63 (RUS) NOTED - CAUSING A COLLISION | None | None | None | NaN | None |
| 2023-08-27 14:18:16 | Other | FIA STEWARDS: TURN 1 INCIDENT INVOLVING CARS 22 (TSU) AND 63 (RUS) UNDER INVESTIGATION - CAUSING A COLLISION | None | None | None | NaN | None |
| 2023-08-27 14:25:28 | Flag | WAVED BLUE FLAG FOR CAR 40 (LAW) TIMED AT 16:25:27 | None | BLUE | Driver | NaN | 40 |
| 2023-08-27 14:25:41 | Flag | WAVED BLUE FLAG FOR CAR 40 (LAW) TIMED AT 16:25:40 | None | BLUE | Driver | NaN | 40 |
| 2023-08-27 14:27:19 | Flag | WAVED BLUE FLAG FOR CAR 40 (LAW) TIMED AT 16:27:19 | None | BLUE | Driver | NaN | 40 |
| 2023-08-27 14:27:30 | Flag | WAVED BLUE FLAG FOR CAR 77 (BOT) TIMED AT 16:27:29 | None | BLUE | Driver | NaN | 77 |
| 2023-08-27 14:27:35 | Drs | DRS DISABLED | DISABLED | None | None | NaN | None |
| 2023-08-27 14:28:01 | Flag | WAVED BLUE FLAG FOR CAR 40 (LAW) TIMED AT 16:28:01 | None | BLUE | Driver | NaN | 40 |
| 2023-08-27 14:29:14 | Other | FIA STEWARDS: 5 SECOND TIME PENALTY FOR CAR 22 (TSU) - CAUSING A COLLISION | None | None | None | NaN | None |
| 2023-08-27 14:29:23 | Flag | YELLOW IN TRACK SECTOR 2 | None | YELLOW | Sector | 2.0 | None |
| 2023-08-27 14:29:30 | Flag | CLEAR IN TRACK SECTOR 2 | None | CLEAR | Sector | 2.0 | None |
| 2023-08-27 14:30:11 | Flag | YELLOW IN TRACK SECTOR 2 | None | YELLOW | Sector | 2.0 | None |
| 2023-08-27 14:30:21 | Flag | DOUBLE YELLOW IN TRACK SECTOR 2 | None | DOUBLE YELLOW | Sector | 2.0 | None |
| 2023-08-27 14:30:29 | SafetyCar | VIRTUAL SAFETY CAR DEPLOYED | DEPLOYED | None | None | NaN | None |
| 2023-08-27 14:31:16 | Flag | RED FLAG | None | RED | Track | NaN | None |
| 2023-08-27 14:31:16 | Flag | CLEAR IN TRACK SECTOR 2 | None | CLEAR | Sector | 2.0 | None |
| 2023-08-27 14:34:45 | Other | AWNINGS MAY BE USED | None | None | None | NaN | None |

| Time Category | | Message | Status | Flag | Scope | Sector | RacingNumber |
|---------------------|-------|--|--------|-----------|--------|--------|--------------|
| 2023-08-27 14:38:09 | Other | ORDER FOR RESTART: 1, 14, 11, 10, 55, 44, 4, 63, 23, 81, 31, 22, 18, 27, 77, 40, 20 | None | None | None | NaN | None |
| 2023-08-27 15:03:31 | Other | RACE WILL RESUME AT 17:14 | None | None | None | NaN | None |
| 2023-08-27 15:05:32 | Other | USE OF INTERMEDIATE TYRES IS MANDATORY | None | None | None | NaN | None |
| 2023-08-27 15:07:08 | Other | RACE WILL RESUME AT 17:14 - ROLLING START PROCEDURE | None | None | None | NaN | None |
| 2023-08-27 15:09:49 | Other | THE SAFETY CAR WILL STAY OUT FOR 2 LAPS | None | None | None | NaN | None |
| 2023-08-27 15:10:39 | Flag | TRACK CLEAR | None | CLEAR | Track | NaN | None |
| 2023-08-27 15:17:24 | Other | SAFETY CAR WILL ENTER PITS: ROLLING START PROCEDURE | None | None | None | NaN | None |
| 2023-08-27 15:19:36 | Other | INCIDENT INVOLVING CAR 11 (PER) NOTED - SPEEDING IN THE PIT LANE | None | None | None | NaN | None |
| 2023-08-27 15:19:45 | Other | FIA STEWARDS: INCIDENT INVOLVING CAR 11 (PER) UNDER INVESTIGATION - SPEEDING IN THE PIT LANE | None | None | None | NaN | None |
| 2023-08-27 15:20:00 | Other | FIA STEWARDS: 5 SECOND TIME PENALTY FOR CAR 11 (PER) - SPEEDING IN THE PIT LANE | None | None | None | NaN | None |
| 2023-08-27 15:20:59 | Other | TRACK SURFACE SLIPPERY IN TRACK SECTOR 14 | None | None | None | NaN | None |
| 2023-08-27 15:21:40 | Other | TURN 11 INCIDENT INVOLVING CARS 4 (NOR) AND 63 (RUS) NOTED - CAUSING A COLLISION | None | None | None | NaN | None |
| 2023-08-27 15:23:38 | Flag | CLEAR IN TRACK SECTOR 14 | None | CLEAR | Sector | 14.0 | None |
| 2023-08-27 15:23:53 | Other | FIA STEWARDS: TURN 11 INCIDENT INVOLVING CARS 4 (NOR) AND 63 (RUS) REVIEWED NO FURTHER INVESTIGATION - CAUSING A COLLISION | None | None | None | NaN | None |
| 2023-08-27 15:27:08 | Flag | CHEQUERED FLAG | None | CHEQUERED | Track | NaN | None |
| 2023-08-27 15:38:47 | Other | INCIDENT INVOLVING CAR 20 (MAG) NOTED - RESTART INFRINGEMENT | None | None | None | NaN | None |
| 2023-08-27 15:39:11 | Other | FIA STEWARDS: INCIDENT INVOLVING CAR 20 (MAG) UNDER INVESTIGATION - RESTART INFRINGEMENT | None | None | None | NaN | None |