

# 2025 Bahrain (2025-04-13) Grand Prix

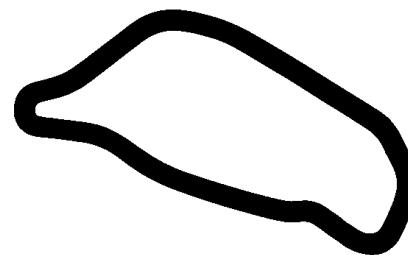
## Free Practice 2 Performance Debrief

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PitWall Telemetry Analysis // Session Report

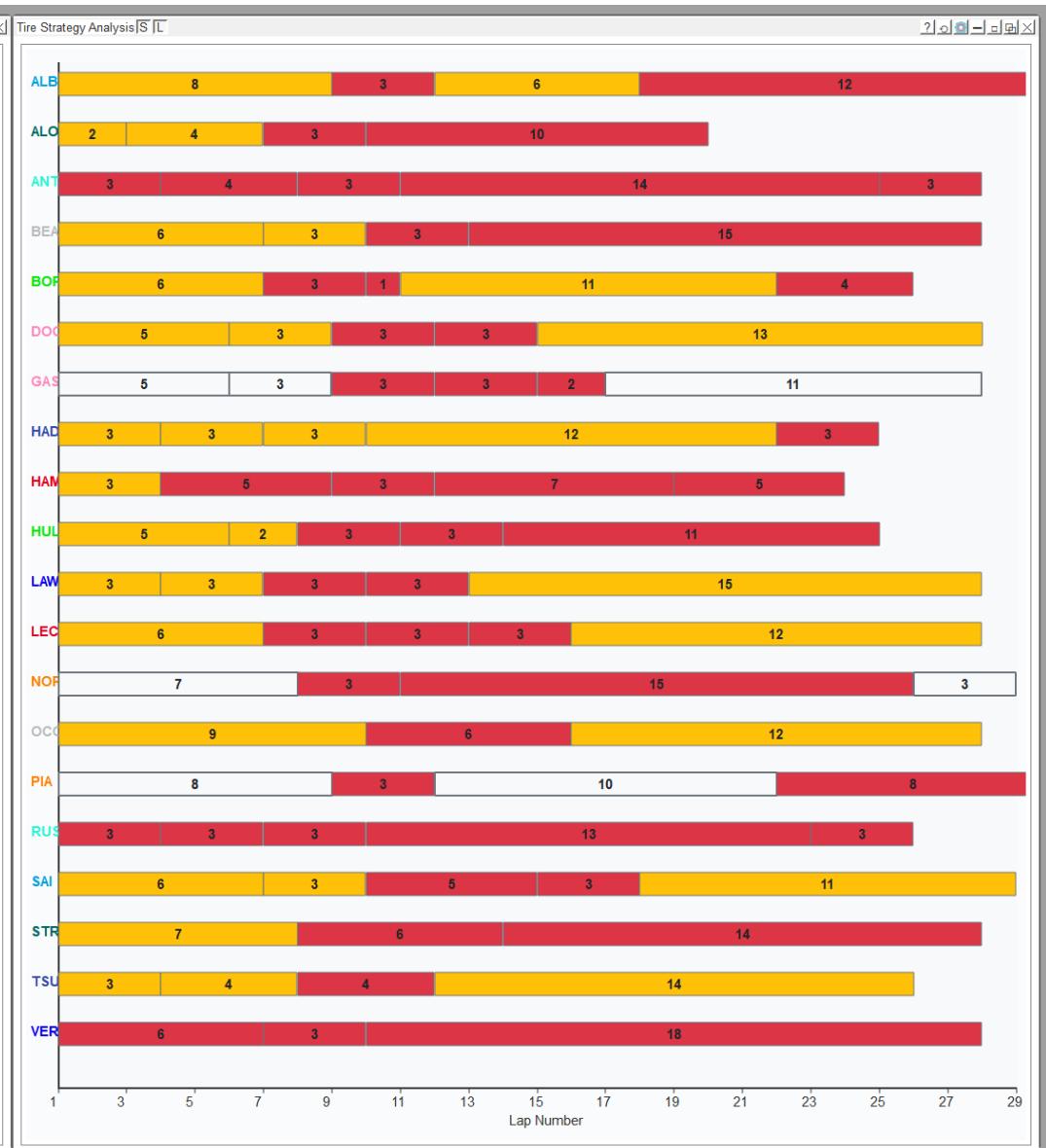
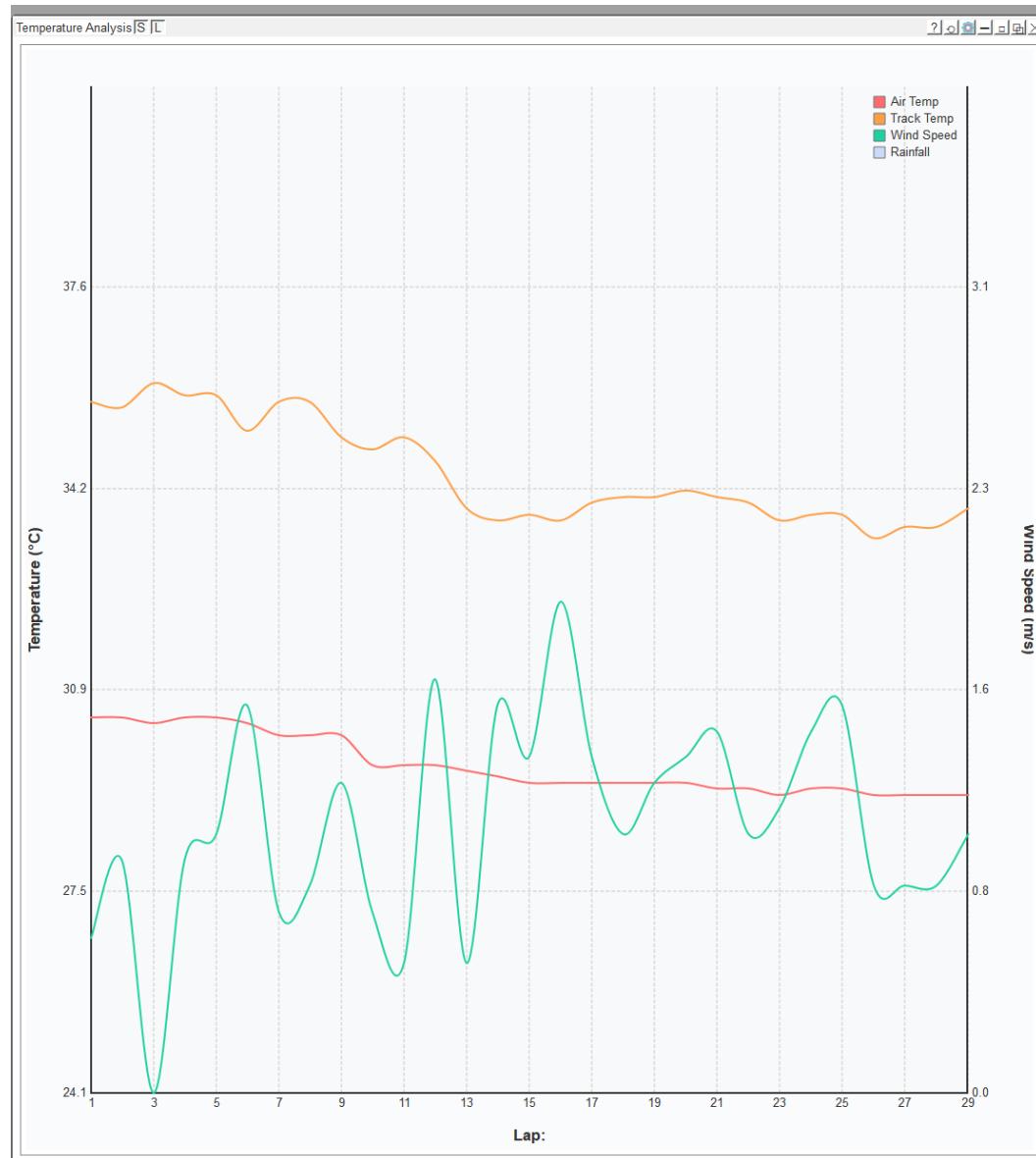
Tabs:

- Temp & Tire
- Pedal
- Long Run
- Historical
- Ideal Lap
- Acc & Brake
- Corner
- Max Speed & Brake
- Pit Time & FP22Q



PitWall Report - Temp & Tire

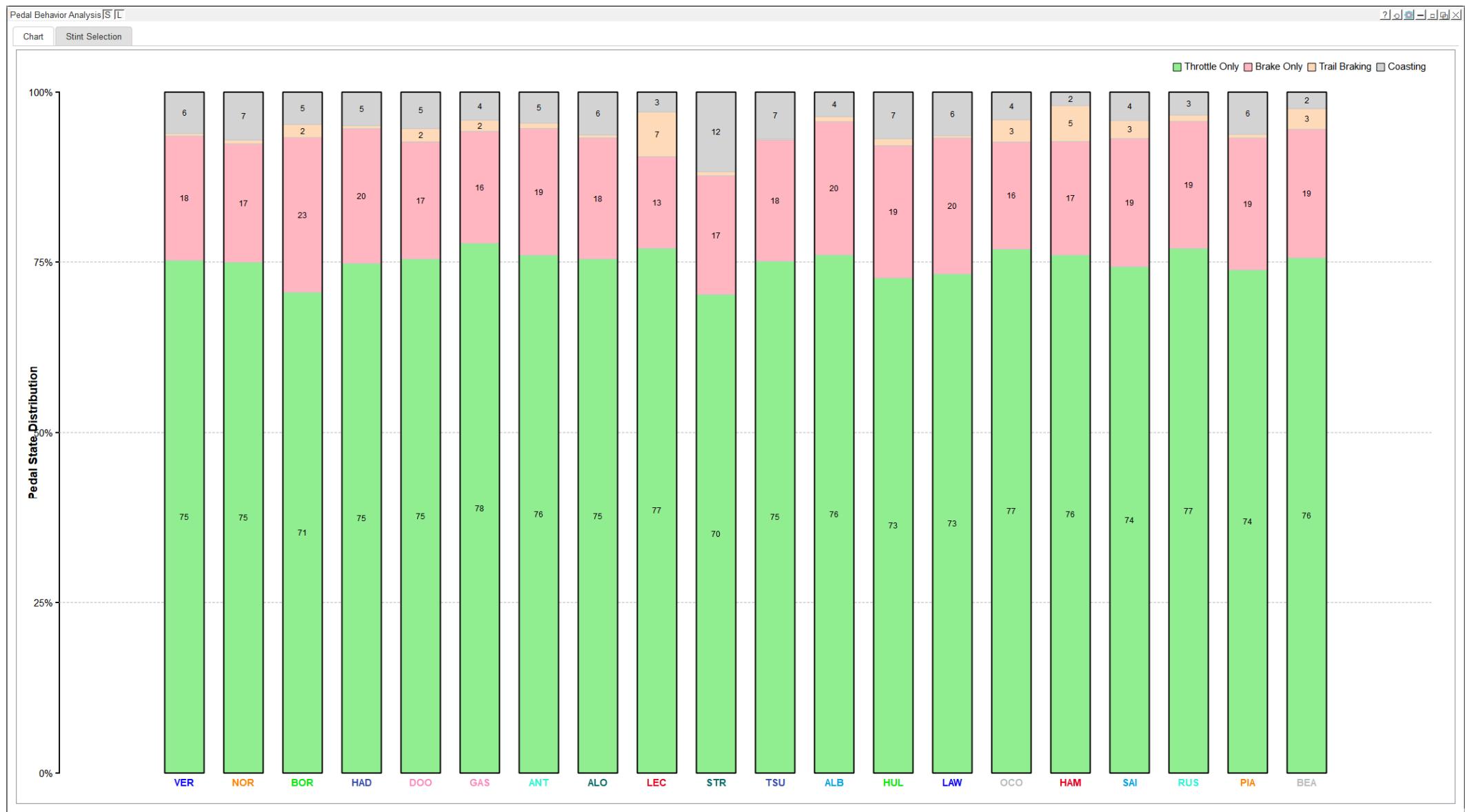
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# PitWall Report - Pedal

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# PitWall Report - Long Run

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**Long Run & Degradation Analysis**

Stint Selection | Fuel Settings | Track Evolution | Degradation Results | Chart View

**Drivers**

Select All | Select None

<input checked="" type="checkbox"/> VER	Sim: 24	Excl: 20,22
<input checked="" type="checkbox"/> NOR	Sim: 28	Excl: 20,22
<input checked="" type="checkbox"/> BOR	Sim: 0	Excl: 20,22
<input checked="" type="checkbox"/> HAD	Sim: 33	Excl: 20,22
<input checked="" type="checkbox"/> DOO	Sim: 29	Excl: 20,22

**Chart Options**

Chart Type: Fully-Corrected Lap Times | Show Trendline:  | Group by Stint:  | Tire Filter: All Compounds

**Fully-Corrected Lap Times - 2023 Data**

Lap Time (s)

104  
102  
100  
98  
96

14 16 18 20 22 24 26

Data loaded successfully

**Long Run & Degradation Analysis**

Stint Selection | Fuel Settings | Track Evolution | Degradation Results | Chart View

**Calculate Degradation**

Driver	Stint	Compound	Laps	Raw Deg (s)	Fuel Adj (s)	Track Evo (s)	True Deg (s/lap)
NOR	2	SOFT	13	3.030	0.594	0.000	0.302
BOR	3	MEDIUM	9	1.092	0.396	0.000	0.186
HAD	2	MEDIUM	10	1.307	0.445	0.000	0.195
DOO	3	MEDIUM	10	2.253	0.445	0.000	0.300
GAS	3	HARD	8	0.325	0.346	0.000	0.096
ANT	2	SOFT	12	1.968	0.544	0.000	0.228
ALO	2	SOFT	8	0.022	0.346	0.000	0.053
STR	2	SOFT	11	1.149	0.495	0.000	0.164
TSU	3	MEDIUM	11	1.438	0.495	0.000	0.193
ALB	3	MEDIUM	4	0.643	0.148	0.000	0.264
ALB	4	SOFT	9	2.465	0.396	0.000	0.358
HUL	2	SOFT	8	2.008	0.346	0.000	0.336
LAW	3	MEDIUM	12	-0.524	0.544	0.000	0.002
OCC	3	MEDIUM	8	1.022	0.346	0.000	0.196
HAM	3	SOFT	7	1.088	0.297	0.000	0.231
SAI	3	MEDIUM	7	1.606	0.297	0.000	0.317
PIA	3	HARD	8	1.701	0.346	0.000	0.293
PIA	4	SOFT	5	0.730	0.198	0.000	0.232
BEA	2	SOFT	12	2.308	0.544	0.000	0.259

**Long Run & Degradation Analysis**

Stint Selection | Fuel Settings | Track Evolution | Degradation Results | Chart View

**Calculation Method**

Statistical (median of all drivers)

Reference Driver: VER

Hybrid (statistical + tire aging filter)

**Parameters**

Smoothing Window (laps): 3

Outlier Threshold: 2.0 sigma

**Calculate Track Evolution**

**Preview**

Track Evolution Calculated!

Method: Statistical  
Lap Range: 17 laps  
Total Evolution: -0.008s  
Per Lap: -0.0005s/lap  
(Negative = track getting faster)

Data loaded successfully

**Summary**

Analyzed 19 stints from 17 drivers.

HARD: Avg 0.194 s/lap (range: 0.096 - 0.293)  
MEDIUM: Avg 0.207 s/lap (range: 0.002 - 0.317)  
SOFT: Avg 0.240 s/lap (range: 0.053 - 0.358)

**Export Results to CSV**

Data loaded successfully

# PitWall Report - Historical

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# PitWall Report - Ideal Lap

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Ideal Lap Ranking										Sector Comparison				
	Driver	Team	Fastest Lap	Ideal Lap	S1	S2	S3	Gap	Gap to Session Fastest	Driver	S1 Delta	S2 Delta	S3 Delta	Cumulative Delta
1	PIA	McLaren	1:30.505	1:30.505	28.977 28.977	38.894 38.894	22.634 22.634	0.000s	+0.000s	PIA	✓	✓	✓	0.000s ✓
2	NOR	McLaren	1:30.659	1:30.659	28.901 28.901	38.903 38.903	22.855 22.855	0.000s	+0.154s	NOR	✓	✓	✓	0.000s ✓
3	LEC	Ferrari	1:31.045	1:30.976	29.034 28.965	39.221 39.221	22.790 22.790	+0.069s	+0.471s	LEC	+0.069	✓	✓	+0.069s
4	HAM	Ferrari	1:31.576	1:31.005	28.846 28.846	39.153 39.153	23.577 23.006	+0.571s	+0.500s	HAM	✓	✓	+0.571	+0.571s
5	RUS	Mercedes	1:31.032	1:31.032	28.755 28.755	39.603 39.603	22.674 22.674	0.000s	+0.527s	RUS	✓	✓	✓	0.000s ✓
6	ANT	Mercedes	1:31.227	1:31.227	29.219 29.219	39.362 39.362	22.646 22.646	0.000s	+0.722s	ANT	✓	✓	✓	0.000s ✓
7	HAD	Racing Bulls	1:31.238	1:31.238	28.981 28.981	39.355 39.355	22.902 22.902	0.000s	+0.733s	HAD	✓	✓	✓	0.000s ✓
8	VER	Red Bull Racing	1:31.330	1:31.330	28.926 28.926	39.322 39.322	23.082 23.082	0.000s	+0.825s	VER	✓	✓	✓	0.000s ✓
9	BEA	Haas	1:31.584	1:31.584	29.004 29.004	39.542 39.542	23.038 23.038	0.000s	+1.079s	BEA	✓	✓	✓	0.000s ✓
10	SAI	Williams	1:31.623	1:31.623	29.076 29.076	39.571 39.571	22.976 22.976	0.000s	+1.118s	SAI	✓	✓	✓	0.000s ✓
11	ALB	Williams	1:31.696	1:31.696	29.137 29.137	39.457 39.457	23.102 23.102	0.000s	+1.191s	ALB	✓	✓	✓	0.000s ✓
12	LAW	Racing Bulls	1:31.706	1:31.706	29.122 29.122	39.571 39.571	23.013 23.013	0.000s	+1.201s	LAW	✓	✓	✓	0.000s ✓
13	BOR	Kick Sauber	1:31.772	1:31.772	29.210 29.210	39.559 39.559	23.003 23.003	0.000s	+1.267s	BOR	✓	✓	✓	0.000s ✓
14	DOO	Alpine	1:31.788	1:31.788	29.212 29.212	39.515 39.515	23.061 23.061	0.000s	+1.283s	DOO	✓	✓	✓	0.000s ✓
15	ALO	Aston Martin	1:31.825	1:31.825	29.116 29.116	39.651 39.651	23.058 23.058	0.000s	+1.320s	ALO	✓	✓	✓	0.000s ✓
16	OCO	Haas	1:31.870	1:31.870	29.261 29.261	39.676 39.676	22.933 22.933	0.000s	+1.365s	OCO	✓	✓	✓	0.000s ✓
17	GAS	Alpine	1:31.947	1:31.947	29.193 29.193	39.599 39.599	23.155 23.155	0.000s	+1.442s	GAS	✓	✓	✓	0.000s ✓
18	TSU	Red Bull Racing	1:32.024	1:32.024	29.231 29.231	39.659 39.659	23.134 23.134	0.000s	+1.519s	TSU	✓	✓	✓	0.000s ✓
19	STR	Aston Martin	1:32.382	1:32.337	29.275 29.275	39.783 39.783	23.324 23.279	+0.045s	+1.832s	STR	✓	✓	+0.045	+0.045s
20	HUL	Kick Sauber	1:32.496	1:32.427	29.355 29.286	40.080 40.080	23.061 23.061	+0.069s	+1.922s	HUL	+0.069	✓	✓	+0.069s

## Race Statistics Summary

Total Drivers: 20

Session Fastest Lap: 1:30.505 (PIA L10)

Fastest Ideal Lap: 1:30.505 (PIA)

Ideal Lap Range: 1.922s (1:30.505 ~ 1:32.427)

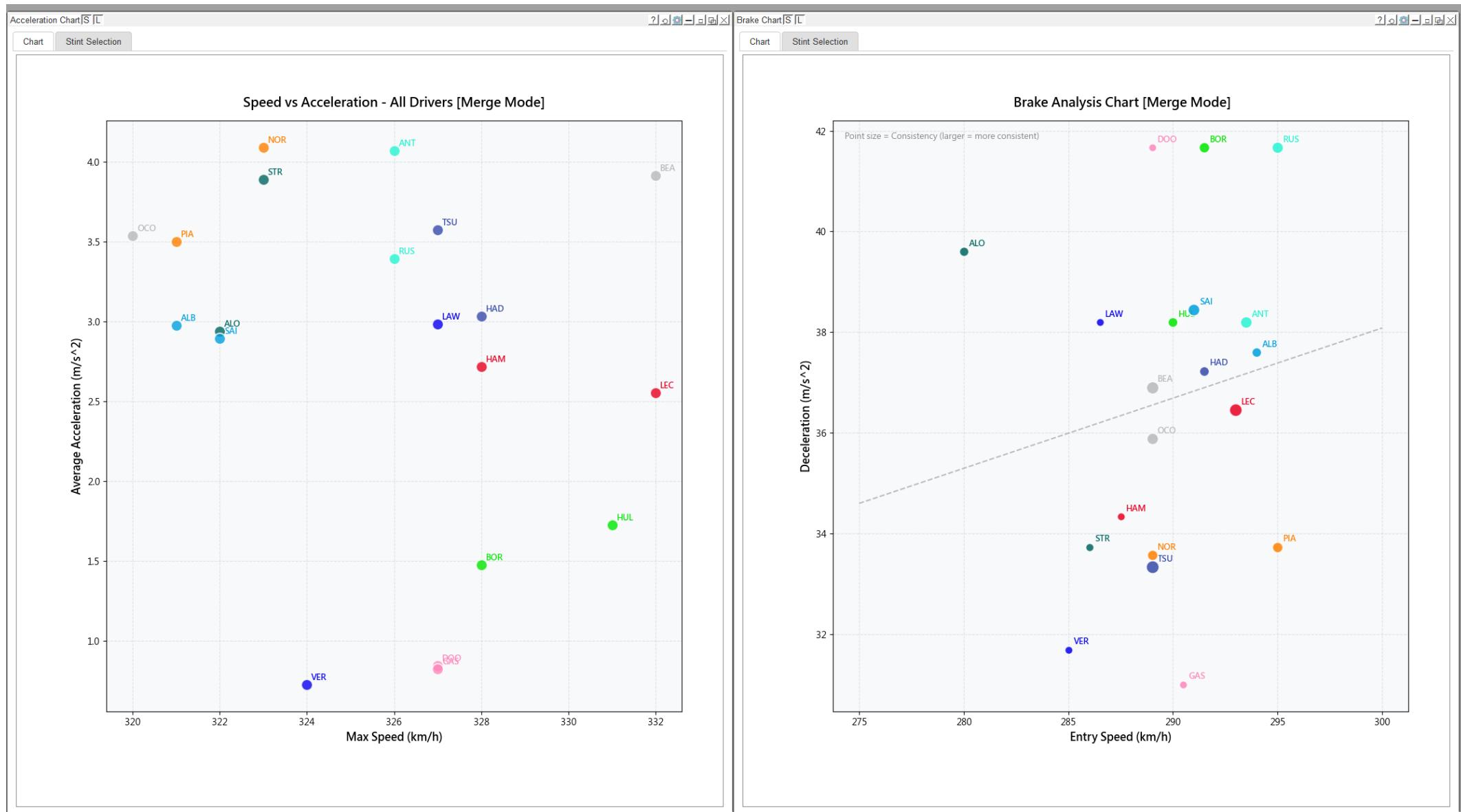
Average Gap: 0.038s

Perfect Lap Rate: 16/20



# PitWall Report - Acc & Brake

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# PitWall Report - Corner

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Low-Speed Corner Analysis [S] [L]

Mid-Speed Corner Analysis [S] [L]

[? | O | - | E | H | X]

Chart Stint Selection

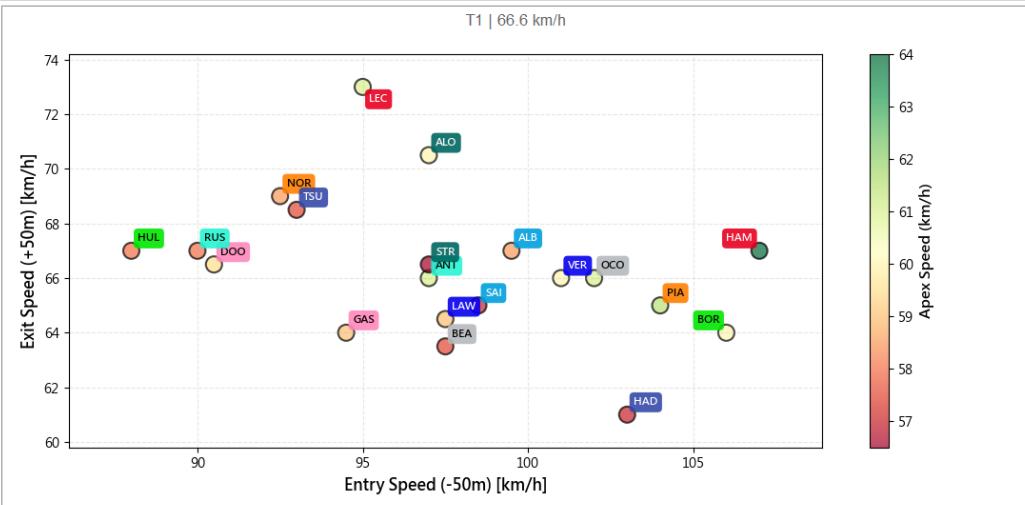
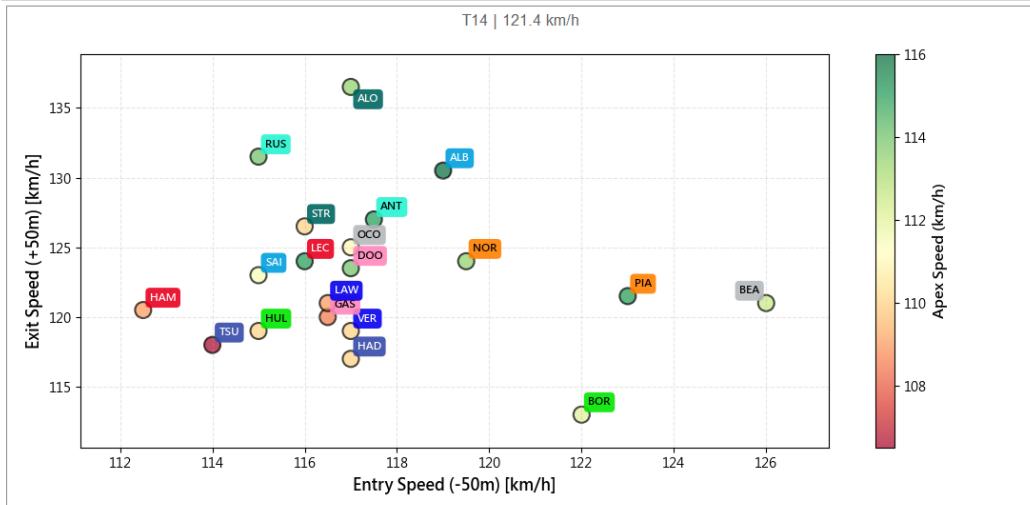


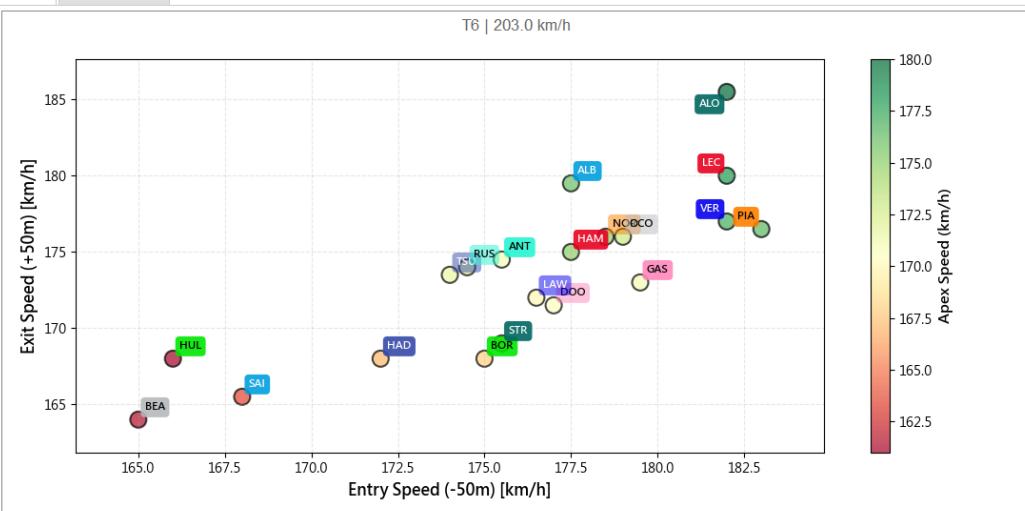
Chart Stint Selection



High-Speed Corner Analysis [S] [L]

[? | O | - | E | H | X]

Chart Stint Selection



# PitWall Report - Max Speed & Brake

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All Drivers Brake All Laps Analysis [S/L]						
	Driver	Team	Median (m/s <sup>2</sup> )	Mean (m/s <sup>2</sup> )	Std Dev (m/s <sup>2</sup> )	Peak (m/s)
1	DOO	Alpine	41.6667	41.0736	9.48124	57.8704
2	RUS	Mercedes	41.6667	40.6339	5.72767	49.4792
3	BOR	Kick Sauber	41.6667	39.5562	6.41534	51.3889
4	ALO	Aston Martin	39.6023	37.5268	7.13543	46.627
5	SAI	Williams	38.4425	37.7774	4.84994	44.2233
6	ANT	Mercedes	38.1944	39.516	5.24755	46.875
7	LAW	Red Bull	38.1944	37.5168	12.298	56.713
8	HUL	Kick Sauber	38.1944	36.9893	6.68863	45.1389
9	ALB	Williams	37.5992	38.2084	7.09209	50.5952
10	HAD	RB	37.2299	38.3515	6.98244	50.1543
11	BEA	Haas	36.9048	38.4106	4.21048	45.1389

## Circuit Pit Time Loss Overview S L

### Pit Loss Table

	Circuit
1	Melbourne
2	Zandvoort
3	Baku
4	Jeddah
5	Spielberg
6	Yas Marina
7	Hungaroring
8	Barcelona
9	Las Vegas
10	Miami