| **Group** | **Internal Name** | **CSV Header** |
| --- | --- | --- |
| **🟩 Session & Environment** |  |  |
|  | Timestamp | Time |
|  | Car | Car |
|  | Session | Session |
|  | TrackName | Track |
|  | Fuel\_% | Fuel\_% |
|  | Humidity\_% | Hum\_% |
|  | AirTemp\_C | Air\_C |
|  | RoadTemp\_C | Road\_C |
|  | TrackRubberState | Rubber |

**🟦 Launch Conditions** |  
| | LaunchSuccessful | LaunchOK |  
| | BoggedDown | Bog |  
| | WheelSpinDetected | Spin |

| **🟨 Timing Metrics** |  
| | ClutchReleaseTime\_ms | CLTime\_ms |  
| | ClutchReleaseDelta\_ms | CLΔ\_ms |  
| | ZeroTo100Time\_ms | 0–100\_ms |  
| | ZeroTo100Delta\_ms | 0–100Δ\_ms |

| **🟧 RPM Metrics** |  
| | LaunchRPM | RPM\_Tgt |  
| | MinRPM | RPM\_Min |  
| | ActualRPMAtClutchRelease | RPM\_ActCL |  
| | RPMAtLaunchZoneStart | RPM\_ZoneStart |  
| | RPMDeviationFromTarget | RPM\_Δ |  
| | RPMInRange | RPM\_OK |

| **🟥 Throttle Metrics** |  
| | ThrottleAtLaunchZoneStart | TH\_ZoneStart |  
| | ThrottlePct | TH\_Act |  
| | ThrottleDelta | TH\_Δ |  
| | ThrottleInRange | TH\_OK |