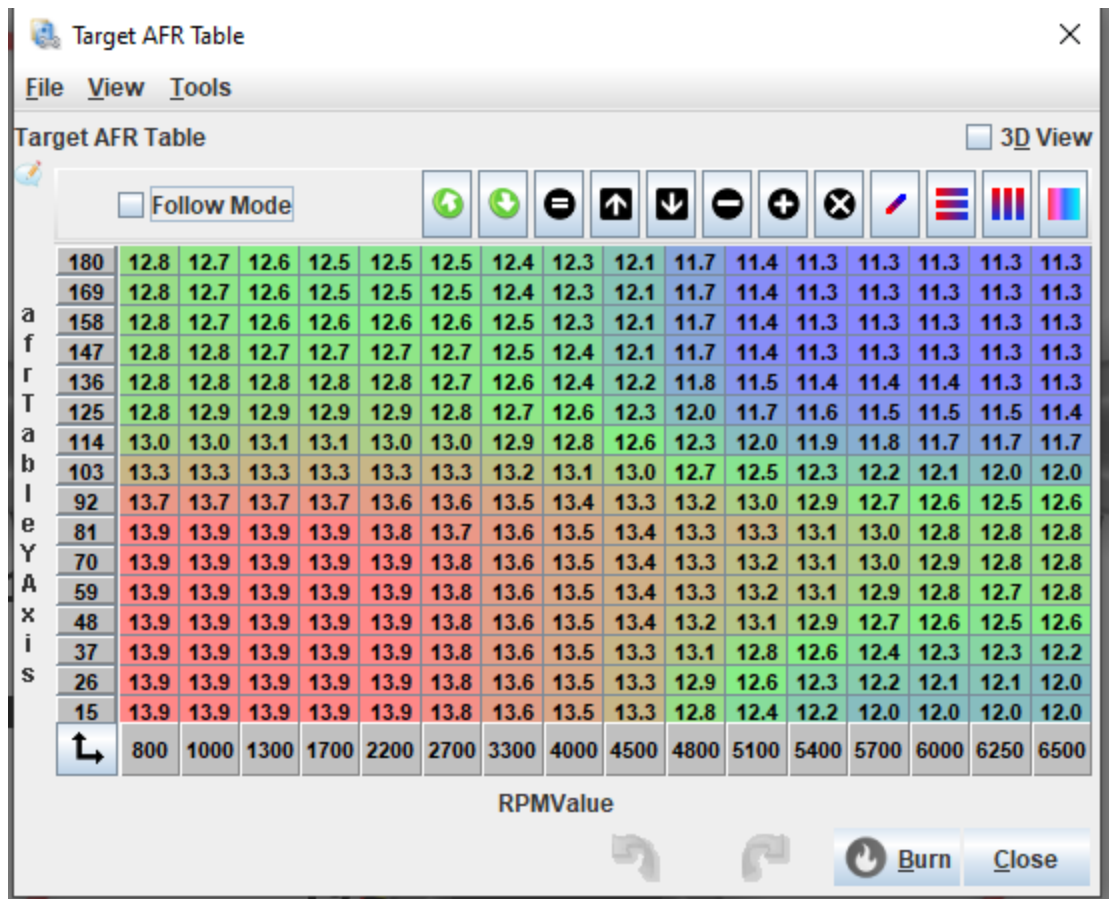


Target AFR Table



The **Target AFR (Air-Fuel Ratio) Table** sets the desired air-fuel mixture for various **RPM** and **MAP load (kPa)** conditions. The values in this table influence how rich or lean the mixture will be across different operating conditions.

Example Breakdown

In this specific table example:

This **Target AFR** Table is set up for a turbocharged, cammed engine, with idle AFR targeted at 13.9 - 14.0 AFR to provide a smoother idle, a common practice for cammed engines.

The Y-axis values exceed 100 kPa to account for boost pressure, which is typical for turbocharged engines.

At higher boost levels (130–180 kPa), the AFR targets are richer, around 11.5–11.3 AFR, to reduce the risk of detonation and keep combustion temperatures safe, ensuring reliable performance under high load. This setup balances smoother idle operation with enhanced protection and power during boosted conditions.

This AFR table example is tuned for a cammed engine, but the ideal values vary based on modifications and performance goals.