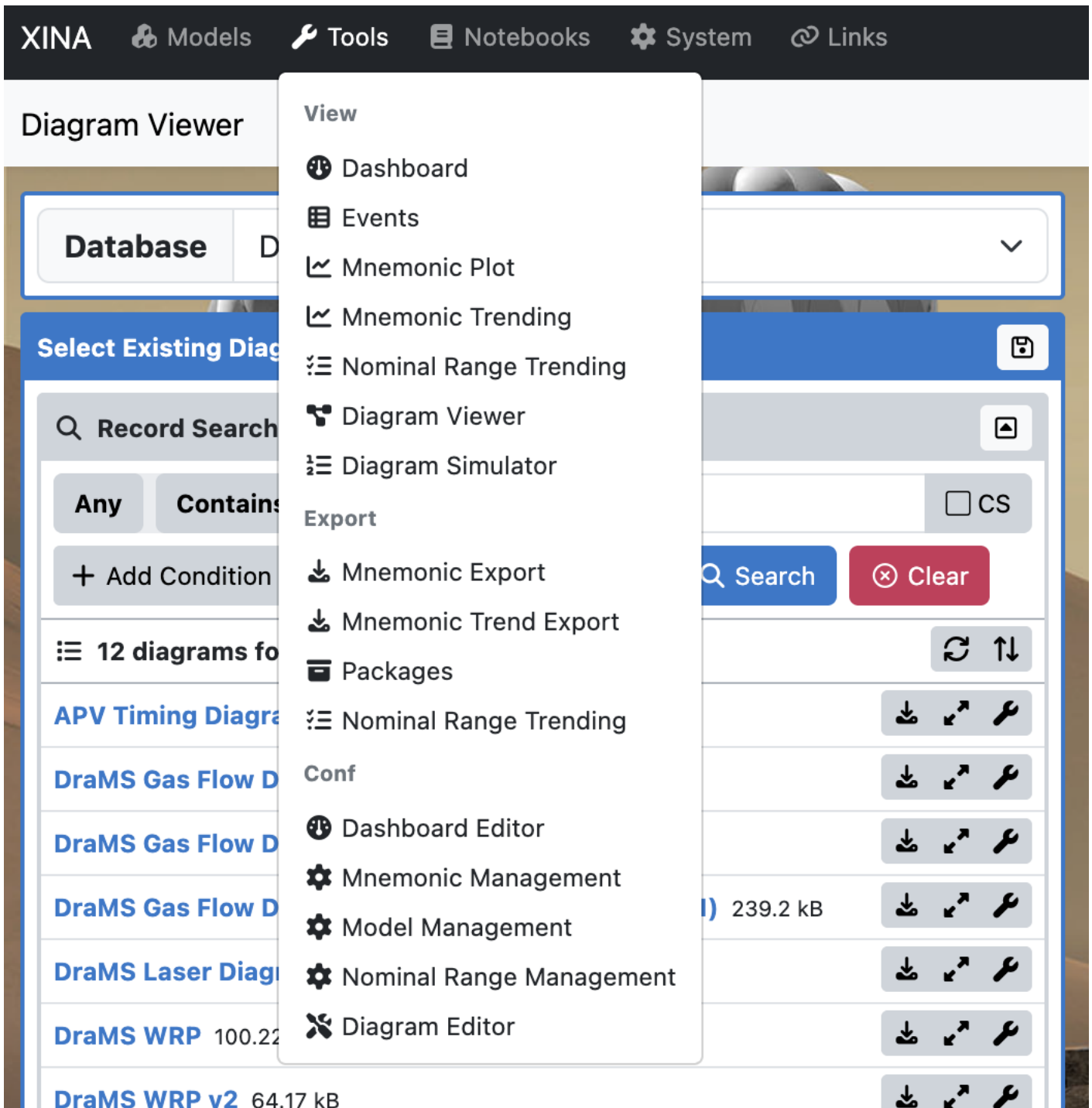


Dashboard Getting Started

<https://drams.xina.io> has several “tools”. Tools can be select from the Tools menu in the main XINA window. However, URLs can be used to jump directly to particular tools. More on that later. The image below shows the tools menu which can be reached from any XINA screen.



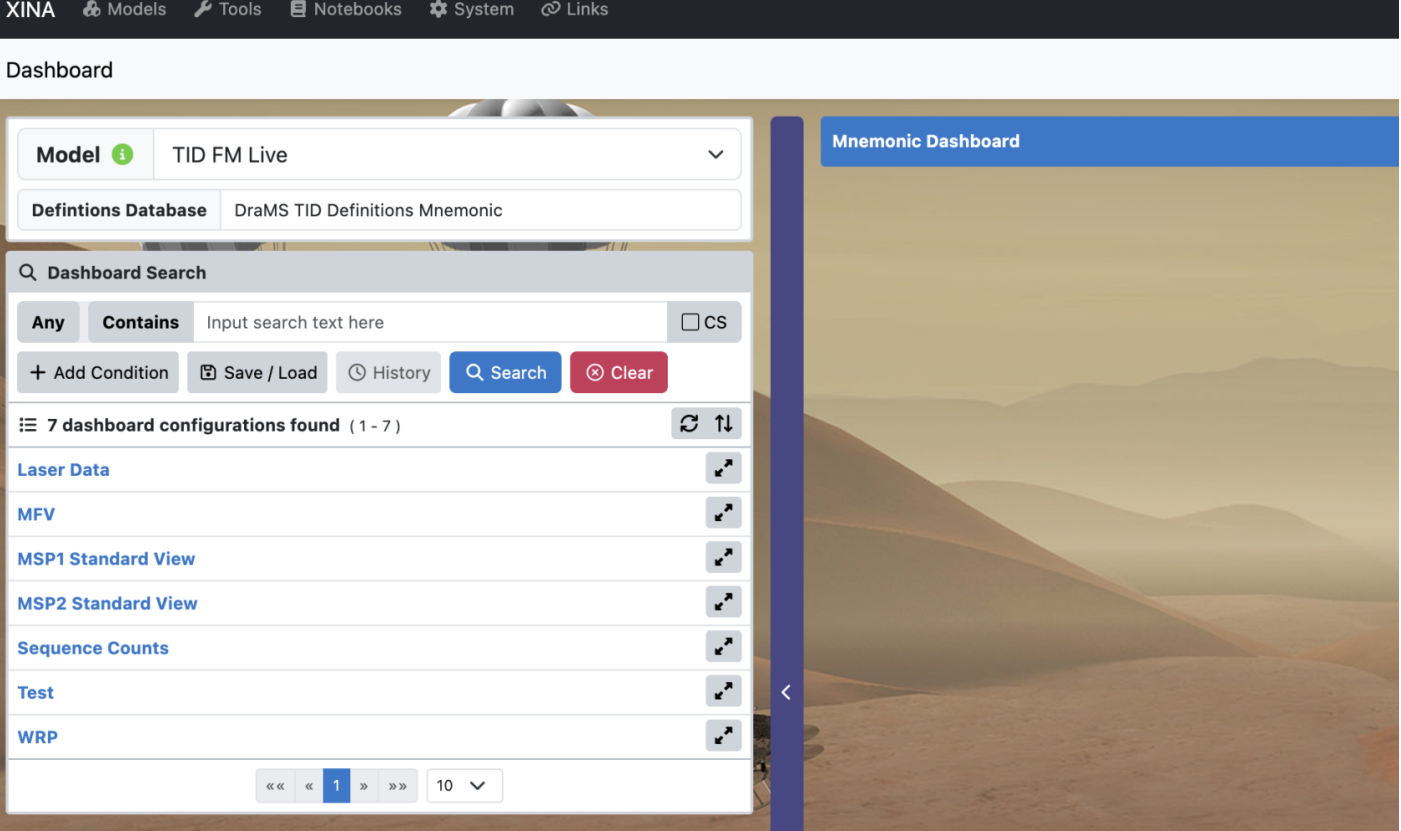
Dashboard How-To

The Dashboard has two different XINA tool, the "Dashboard" (top of the menu) and the "Dashboard Editor" (near the bottom).

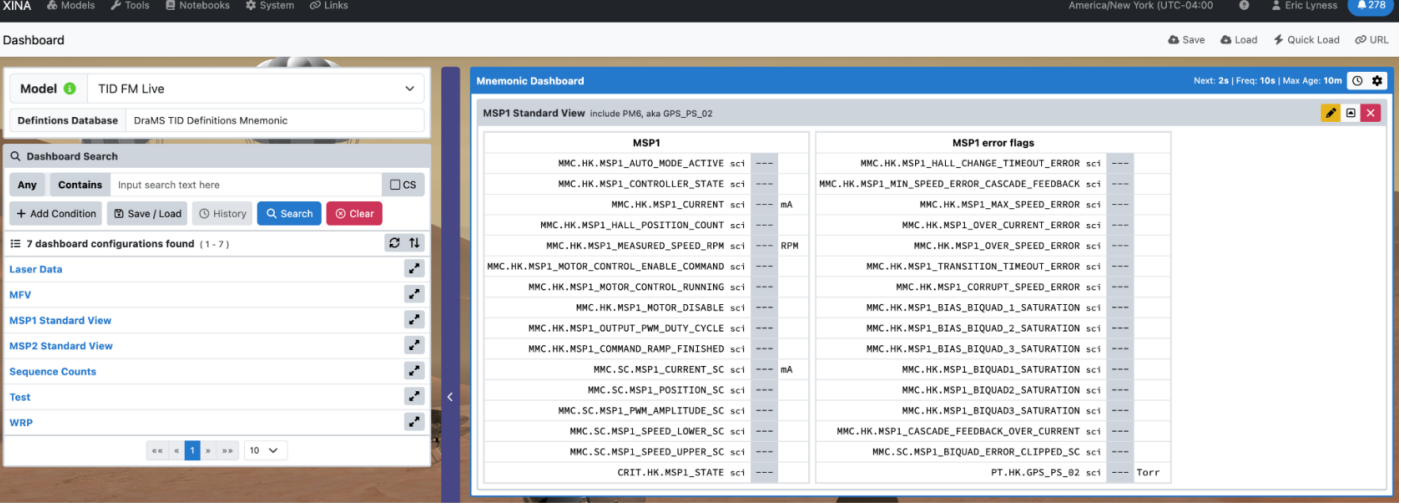
The "Dashboard" allows you to select from predefined groups of mnemonics by name, such as “WRP” or “MSP1”.

The "Dashboard Editor" allows you to create a new predefined group (referred to as a “Configuration”) of mnemonics or edit an existing group.

The starting "Dashboard" view looks like this (you might see something slightly different):



The blue text on the lower left are the names of predefined collections of mnemonics. Clicking one of them will show the table of values. Clicking on “MSP1 Standard View” leads to this view:



Clicking on another configuration will add a table to the view:

Model

TID FM Live

Definitions Database

DraMS TID Definitions Mnemonic

Dashboard Search

AnyContains

Input search text here

CS

+ Add Condition

Save / Load

History

Search

Clear

7 dashboard configurations found (1 - 7)

Laser Data

MFV

MSP1 Standard View

MSP2 Standard View

Sequence Counts

Test

WRP

Mnemonic Dashboard

Next: 1s | Freq: 10s | Max Age: 10m

MSP1 Standard View

Include PIM8, aka GPS_PS_02

MSP1		MSP1 error flags	
MMC.HK.MSP1_AUTO_MODE_ACTIVE	sc1	---	---
MMC.HK.MSP1_CONTROLLER_STATE	sc1	---	---
MMC.HK.MSP1_CURRENT	sc1	---	mA
MMC.HK.MSP1_HALL_POSITION_COUNT	sc1	---	---
MMC.HK.MSP1_MEASURED_SPEED_RPM	sc1	---	---
MMC.HK.MSP1_MOTOR_CONTROL_ENABLE_COMMAND	sc1	---	---
MMC.HK.MSP1_MOTOR_CONTROL_RUNNING	sc1	---	---
MMC.HK.MSP1_MOTOR_DISABLE	sc1	---	---
MMC.HK.MSP1_OUTPUT_PWM_DUTY_CYCLE	sc1	---	---
MMC.HK.MSP1_COMMAND_RAMP_FINISHED	sc1	---	---
MMC.SC.MSP1_CURRENT_SC	sc1	---	mA
MMC.SC.MSP1_POSITION_SC	sc1	---	---
MMC.SC.MSP1_PWM_AMPLITUDE_SC	sc1	---	---
MMC.SC.MSP1_SPEED_LOWER_SC	sc1	---	---
MMC.SC.MSP1_SPEED_UPPER_SC	sc1	---	---
CRIT.HK.MSP1_STATE	sc1	---	---
MMC.HK.MSP1_HALL_CHANGE_TIMEOUT_ERROR	sc1	---	---
MMC.HK.MSP1_MIN_SPEED_ERROR_CASCADE_FEEDBACK	sc1	---	---
MMC.HK.MSP1_MAX_SPEED_ERROR	sc1	---	---
MMC.HK.MSP1_OVER_CURRENT_ERROR	sc1	---	---
MMC.HK.MSP1_OVER_SPEED_ERROR	sc1	---	---
MMC.HK.MSP1_TRANSITION_TIMEOUT_ERROR	sc1	---	---
MMC.HK.MSP1_CORRUPT_SPEED_ERROR	sc1	---	---
MMC.HK.MSP1_BIAS_BIQUAD_1_SATURATION	sc1	---	---
MMC.HK.MSP1_BIAS_BIQUAD_2_SATURATION	sc1	---	---
MMC.HK.MSP1_BIAS_BIQUAD_3_SATURATION	sc1	---	---
MMC.HK.MSP1_BIQUAD1_SATURATION	sc1	---	---
MMC.HK.MSP1_BIQUAD2_SATURATION	sc1	---	---
MMC.HK.MSP1_BIQUAD3_SATURATION	sc1	---	---
MMC.HK.MSP1_CASCADE_FEEDBACK_OVER_CURRENT	sc1	---	---
MMC.SC.MSP1_BIQUAD_ERROR_CLIPPED_SC	sc1	---	---
PT.HK.GPS_PS_02	sc1	---	Torr

MSP2 Standard View

MSP2		MSP2 error flags	
MMC.HK.MSP2_AUTO_MODE_ACTIVE	sc1	---	---
MMC.HK.MSP2_CONTROLLER_STATE	sc1	---	---
MMC.HK.MSP2_CURRENT	sc1	---	mA
MMC.HK.MSP2_HALL_POSITION_COUNT	sc1	---	---
MMC.HK.MSP2_MEASURED_SPEED_RPM	sc1	---	---
MMC.HK.MSP2_MOTOR_CONTROL_ENABLE_COMMAND	sc1	---	---
MMC.HK.MSP2_MOTOR_CONTROL_RUNNING	sc1	---	---
MMC.HK.MSP2_MOTOR_DISABLE	sc1	---	---
MMC.HK.MSP2_OUTPUT_PWM_DUTY_CYCLE	sc1	---	---
MMC.HK.MSP2_BIAS_BIQUAD_1_SATURATION	sc1	---	---
MMC.HK.MSP2_BIAS_BIQUAD_2_SATURATION	sc1	---	---
MMC.HK.MSP2_BIAS_BIQUAD_3_SATURATION	sc1	---	---
MMC.HK.MSP2_BIQUAD1_SATURATION	sc1	---	---
MMC.HK.MSP2_BIQUAD2_SATURATION	sc1	---	---
MMC.HK.MSP2_BIQUAD3_SATURATION	sc1	---	---
MMC.HK.MSP2_CORRUPT_SPEED_ERROR	sc1	---	---
MMC.HK.MSP2_MAX_SPEED_ERROR	sc1	---	---
MMC.HK.MSP2_HALL_CHANGE_TIMEOUT_ERROR	sc1	---	---

Each mnemonic can have green, red and yellow ranges defined in XINA. If the mnemonic's value falls into one of those ranges, the background of the numbers in the table will change to the corresponding color.

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