

Data Acquisition	@FUEL_READING
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Take fuel readings.

Keyword:

@FUEL_READING

Usage:

Take one or more fuel readings during this test mode. If the desired_time is 0 or "-", the time specified by the variable target_fr_tim will be used.

The number_of_readings, interval, and desired_time data fields can all be specified as a constant, variable label, or computed expression.

Data Fields:

start_type	code for when to send a start signal to the collector task. Options are AT_START, AFTER_STABILITY, EXTERNAL_SYNC
stop_path	code for what action to take when the fuel reading collector task completes its function. Options are NONE, MODE_TERMINATE, RETURN, a mode number, or a procedure file pathname.
number_readings	the number of fuel readings to request
interval	the time between requests (if number_readings > 1)
sync_event	an event name for external synchronization
desired_time	the desired fuel reading sample time

Example Specification:

```
@FUEL_READING
#start_type          stop_path
AFTER_STABILITY     MODE_TERMINATE
#number_readings    interval      sync_event    desired_time
1                   0[s]         -             0[s]
```

Request 1 fuel reading after stabilization is complete. Terminate the mode when the fuel reading is complete.

Notes:

Specifying a non-zero desired_time will change the value of the target_fr_tim variable.

Other Examples:

```
@FUEL_READING
#start_type          stop_path
AFTER_STABILITY     MODE_TERMINATE
#number_readings    interval      sync_event    desired_time
num_read            5[min]       -             90[sec]
```

Take three fuel readings to be determined by the value of the variable num_read, at five minute intervals, each 90 seconds long. Terminate the mode when all three fuel readings have been completed.