

MainLog Users:

Gas instruments continue to read gas that is in the sample line after the pumps shut down. With the latest version of MainLog there is an option to add a **“Surface Lag Time”** to capture gas readings after the pumps have shut down. Depending on how far the instruments are from the trap, this could be several minutes, and gas readings can be exhausted out during that downtime without being plotted to the log.

When a **“Surface Lag Time”** is entered, MainLog will continue to read the gas coming into the instrument for that period of time and place it in a **“buffer”**. Once the rig pumps are turned back on, the gas data stored in the buffer will be used rather than the "AIR" that is in the gas line. This will improve lag accuracy, especially when the trap is far from the trailer, and ROP is very high. Once the surface lag time is met, Mainlog will resume reading gas as normal. It is the logger’s responsibility to calculate how many seconds it takes for the gas to go from the trap to the instruments. The Surface Lag Time, **in seconds**, is entered in the Gas Monitor Setup.

MAINLOG GAS MONITOR SETUP

Elution Times	Drift	Ratio's	Span	Attenuator	Zero	Conn Time Out
C1	23	0.00	200.00	1.0	0.0	0.0
C2	37	0.00	400.00	1.00		
C3	79	0.00				
IC4	150	0.00				
NC4	210	0.00				
C5	1	0.00				

Ratio Mode
 Calculated Ratio's
 No Ratio's

Chromatograph: 400.00
Channel 3: 1
TC on CH4: 0.0
Max Readings: 5
HW Delay: 0
Gas Com Port: 5
Wits Com Port: 6
Wits Mode: Pason Other PPM

Surface Lag Time: 62

Calibrated at (PSI): 0.0
DATE:
MV Range:
Instrument Type: OTHER

Save Close

For testing purposes, several loggers have been using the code for the last month and we gotten positive feedback with no issues. That being said, if you decide to use the option and have any questions or problems please let us know.