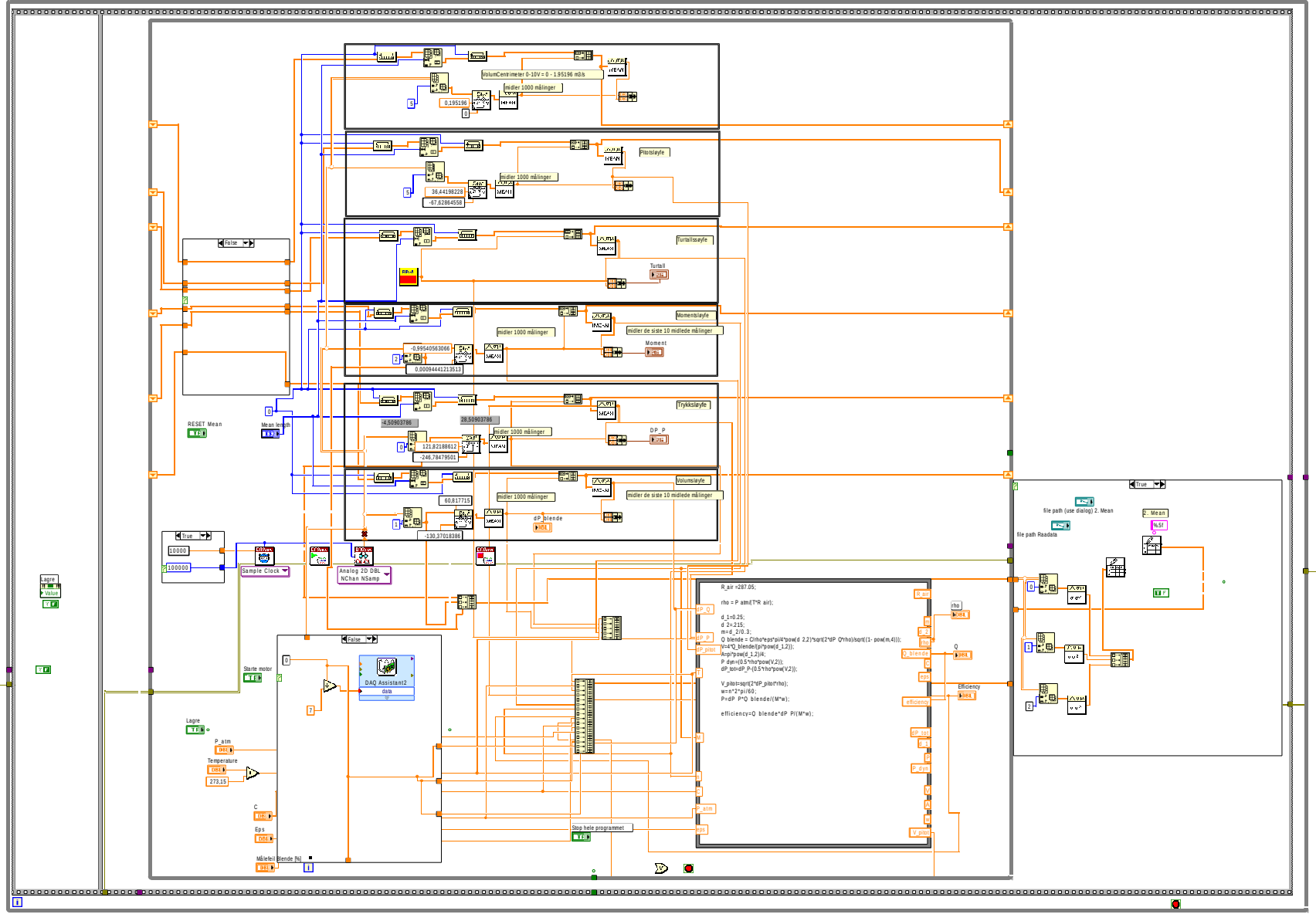
VolumCentrimeter 0-10V = 0 - 1.95196 m3/s
midler 1000 målinger
0,195196
Pitotsløyfe
36,44198228
-67,62864558
Turtallssøyfe
Turtall
Momentsløyfe
midler de siste 10 midlede målinger
Moment
-0,99540563066
0,00094441213513
Trykksløyfe
DP_P
-4,50903786
28,50903786
121,82188612
-246,78479501
Volumsløyfe
dP_blende
60,817715
-130,37018386
RESET Mean
Mean length
False
True
10000
100000
Sample Clock
Analog 2D DBL NChan NSamp
Lagre
Value
input terminal configuration
physical channels
AI Voltage
Starte motor
DAQ Assistant2
data
P_atm
Temperature
273,15
C
Eps
Målefelt Blende [%]
Stop hele programmet
R_air =287.05;
rho = P_atm/(T*R_air);
d_1=0.25;
d_2=.215;
m=d_2/0.3;
Q_blende = C/rho*eps*pi/4*pow(d_2,2)*sqrt(2*dP_Q/rho)/sqrt((1- pow(m,4)));
V=4*Q_blende/(pi*pow(d_1,2));
A=pi*pow(d_1,2)/4;
P_dyn=(0.5*rho*pow(V,2));
dP_tot=dP_P-(0.5*rho*pow(V,2));
V_pitot=sqrt(2*dP_pitot/rho);
w=x*2*pi/60 ;
P=dP_P*Q_blende/(M*w);
efficiency=Q_blende*dP_P/(M*w);
Efficiency
file path (use dialog) 2. Mean
file path Raadata
2. Mean
%.5f
P_atm = 101325;