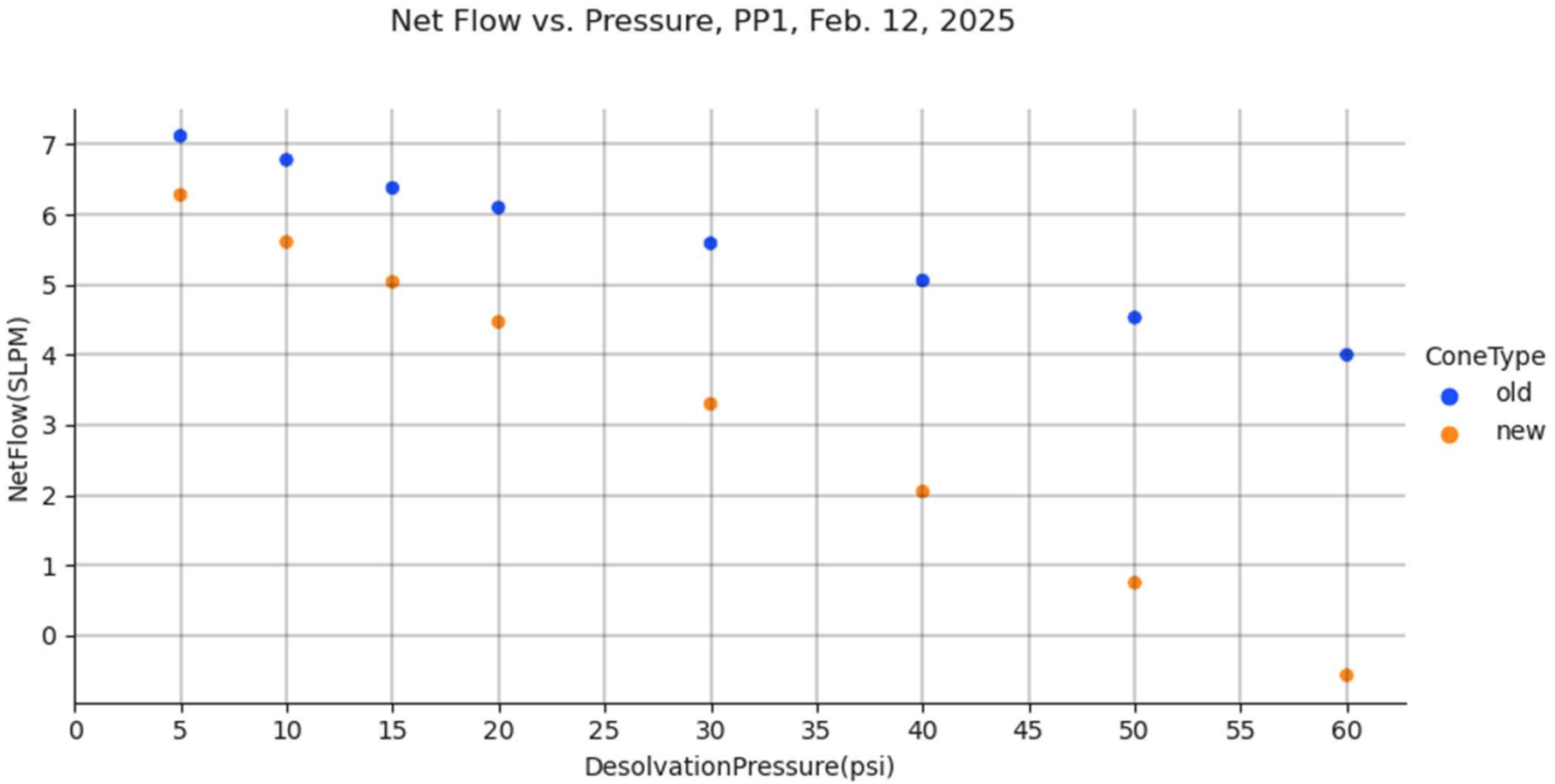
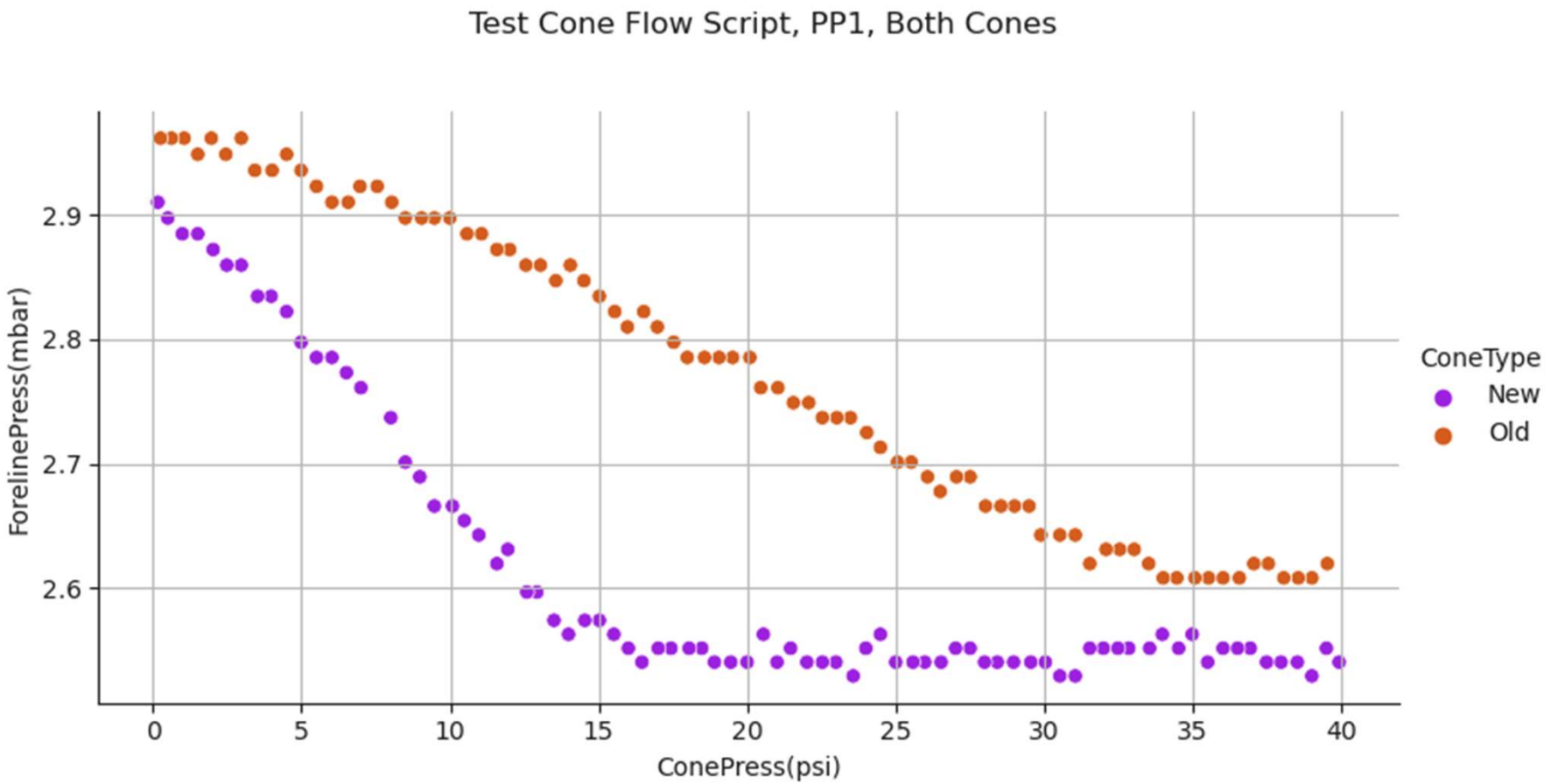
Comparing Old Cone vs. New Cone on PP1,PP2,PP6,and Demo PP

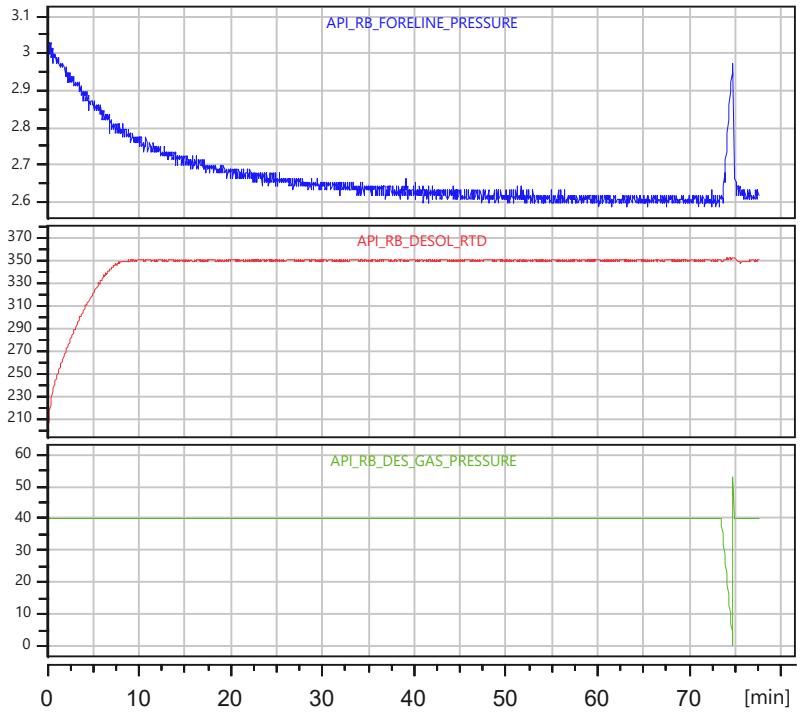
Brian C


Net Flow vs. Pressure, PP1, Feb. 12, 2025
NetFlow(SLPM)
DesolvationPressure(psi)
ConeType
old
new
0
1
2
3
4
5
6
7
0
5
10
15
20
25
30
35
40
45
50
55
60

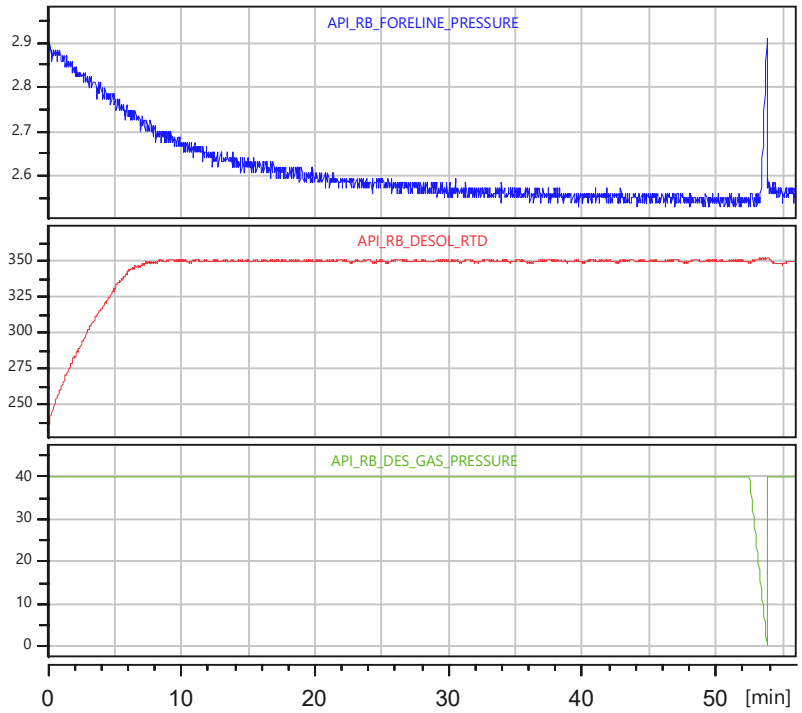

Test Cone Flow Script, PP1, Both Cones
ForelinePress(mbar)
2.9
2.8
2.7
2.6
0
5
10
15
20
25
30
35
40
ConePress(psi)
ConeType
New
Old

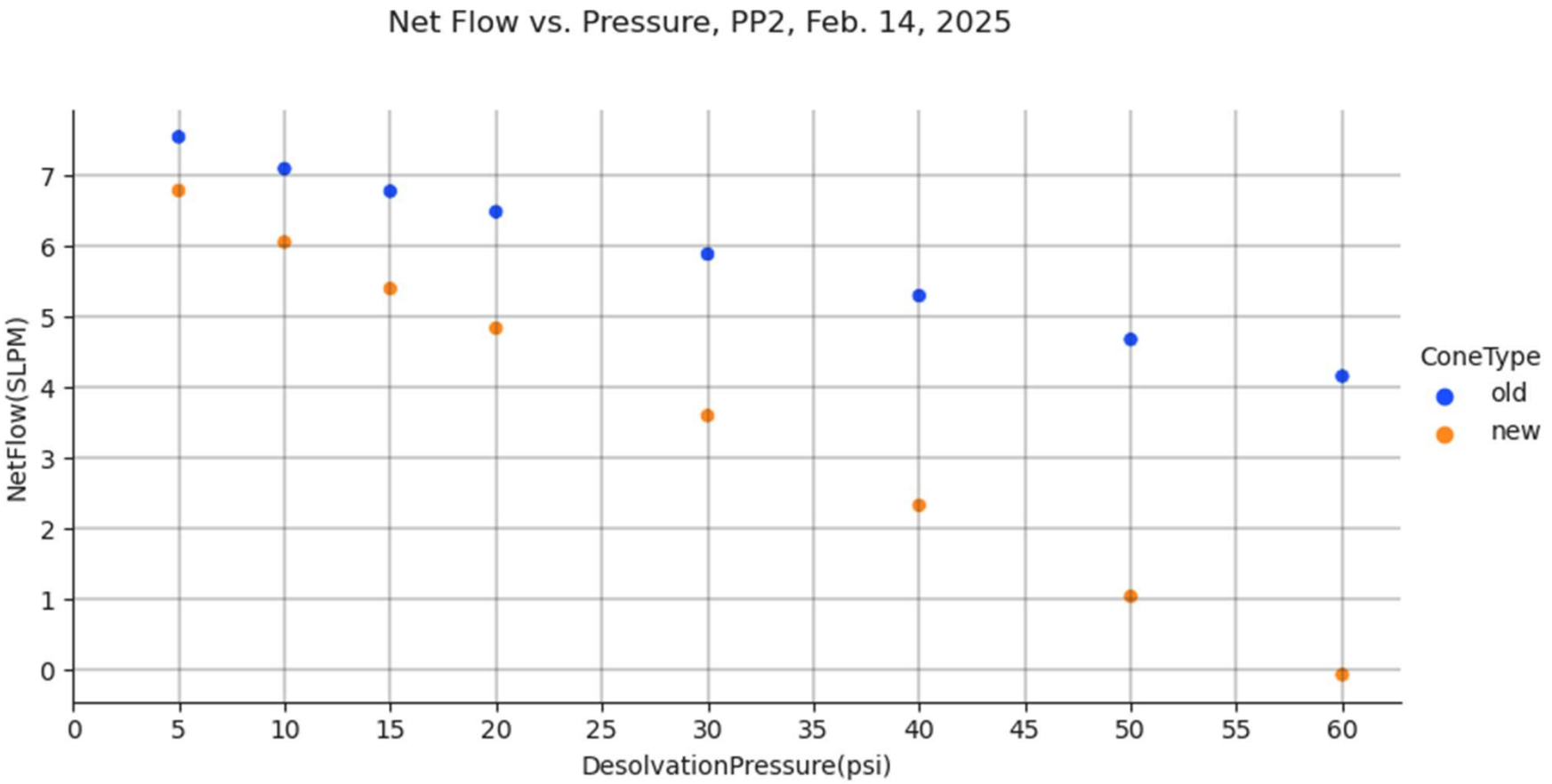
Foreline Stabilization for Script – PP1

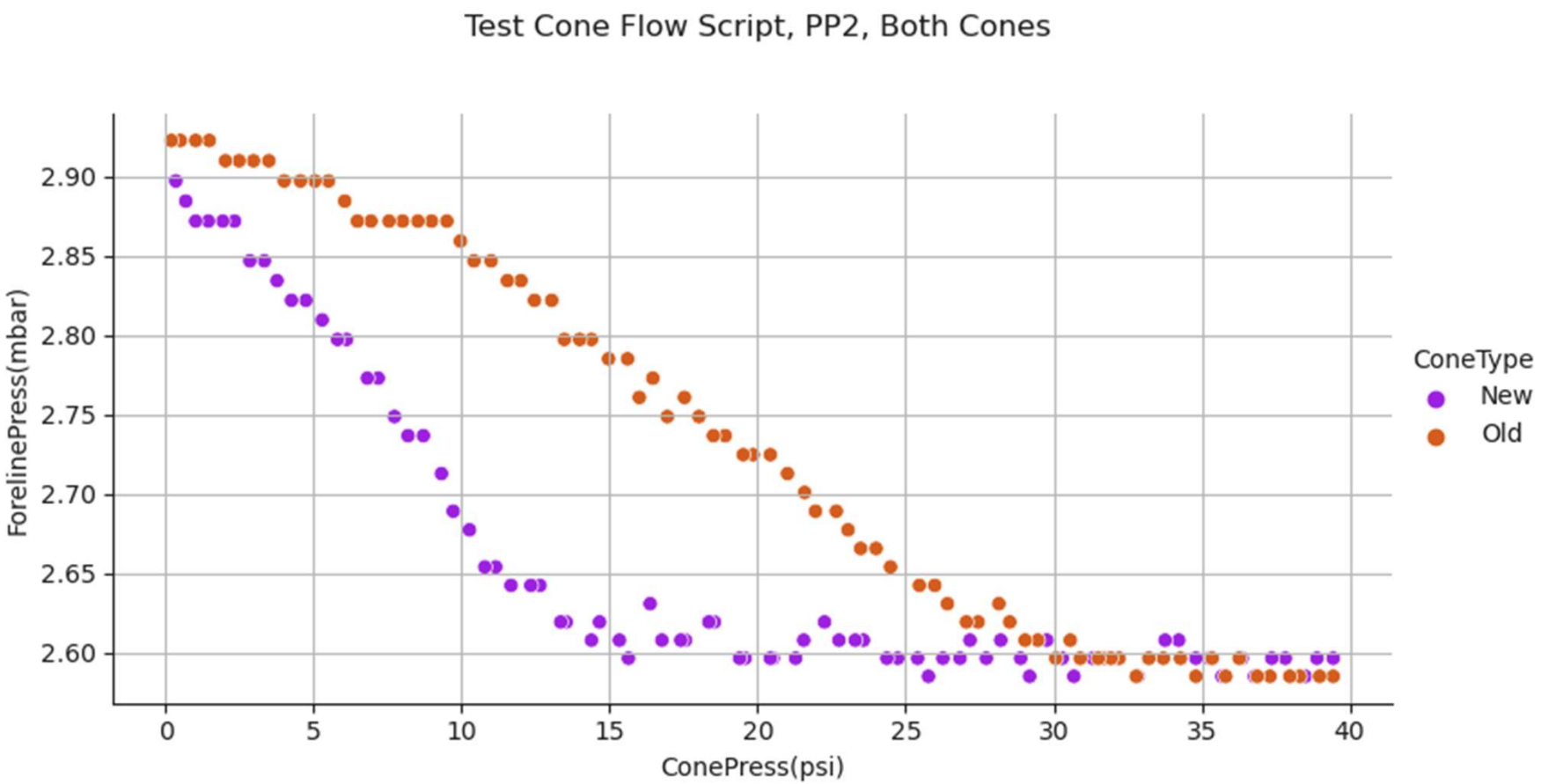
Old Cone



New Cone

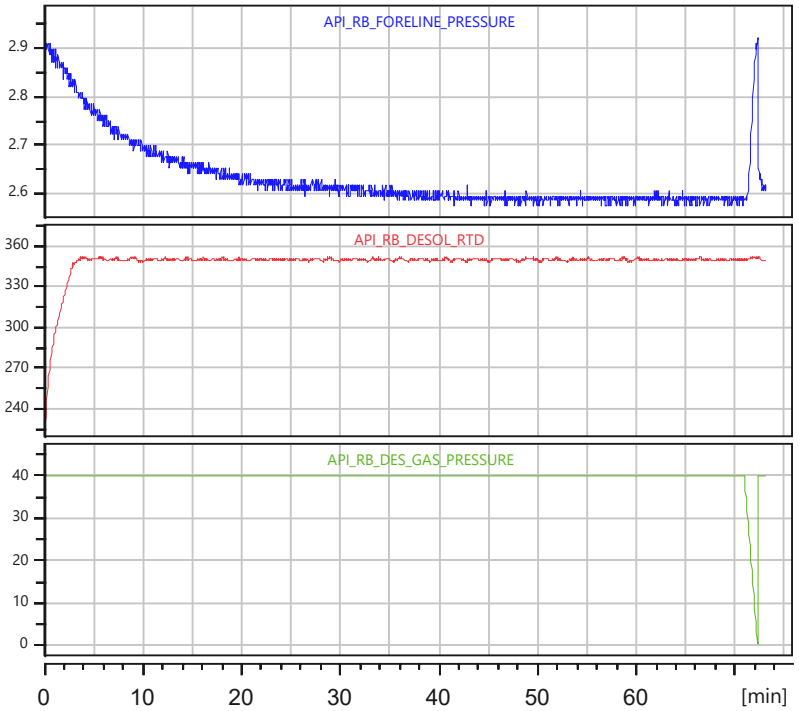



Net Flow vs. Pressure, PP2, Feb. 14, 2025
NetFlow(SLPM)
DesolvationPressure(psi)
0
1
2
3
4
5
6
7
0
5
10
15
20
25
30
35
40
45
50
55
60
ConeType
old
new

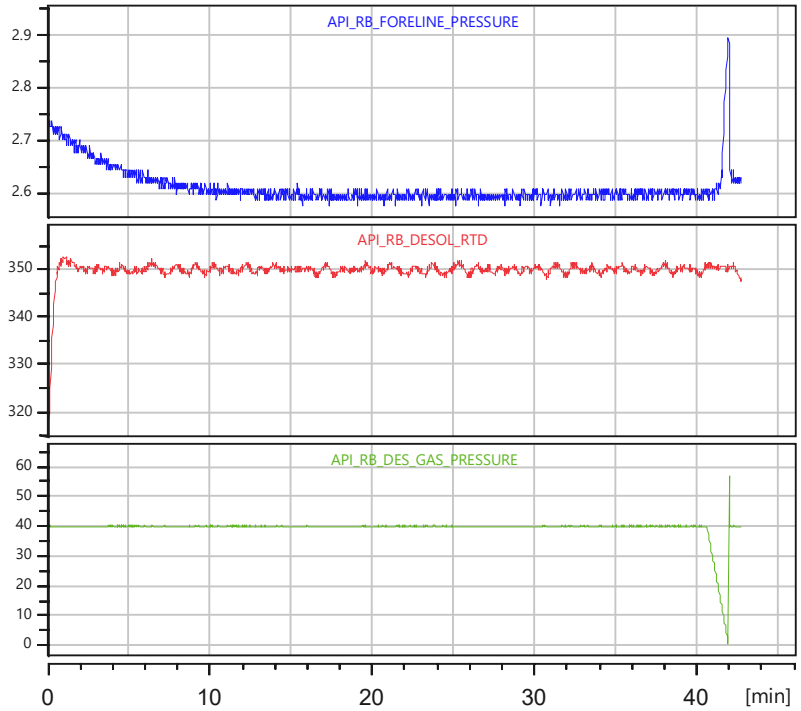

Test Cone Flow Script, PP2, Both Cones
ForelinePress(mbar)
2.90
2.85
2.80
2.75
2.70
2.65
2.60
0
5
10
15
20
25
30
35
40
ConePress(psi)
ConeType
New
Old

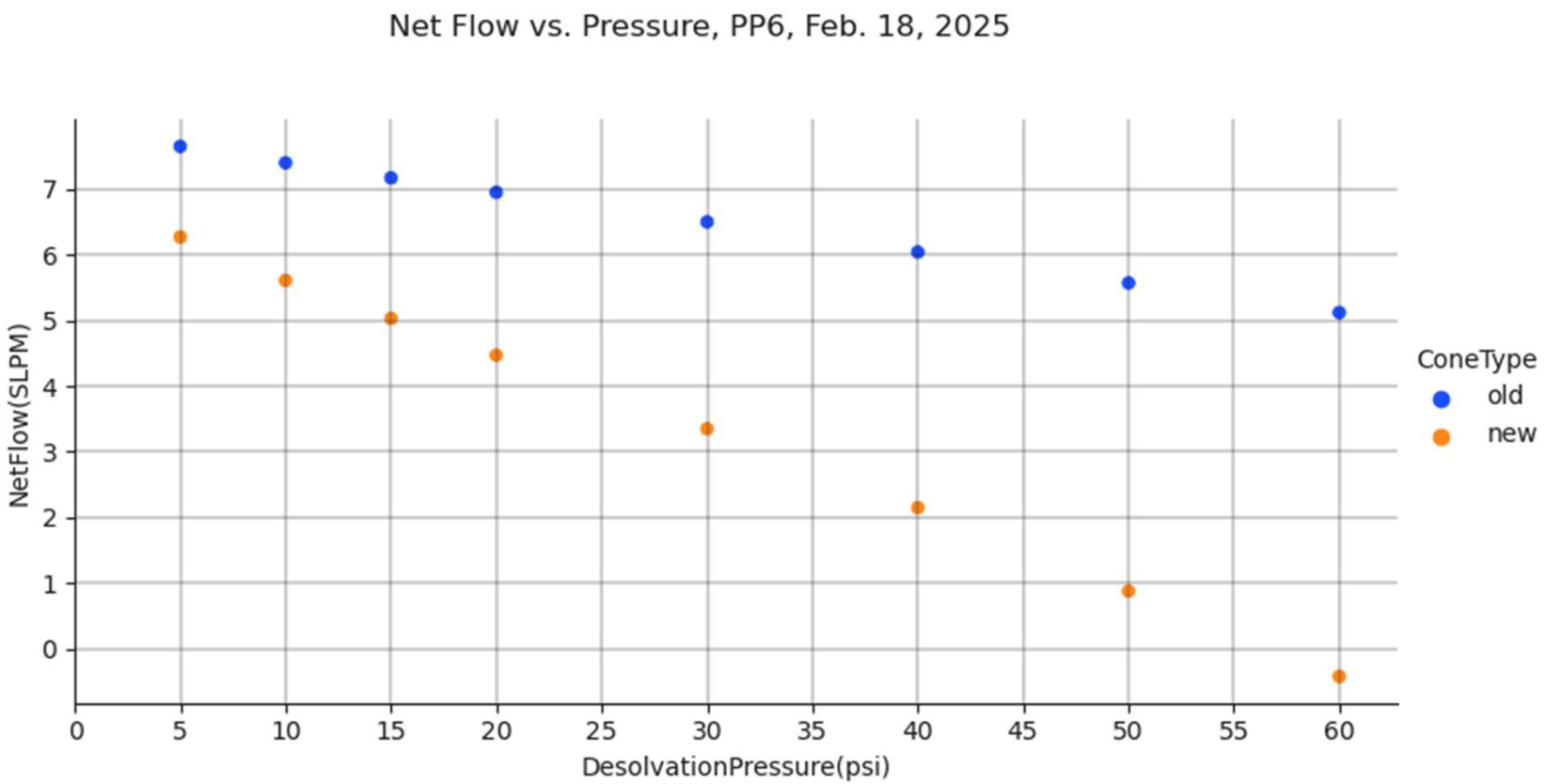
Foreline Stabilization for Script – PP2

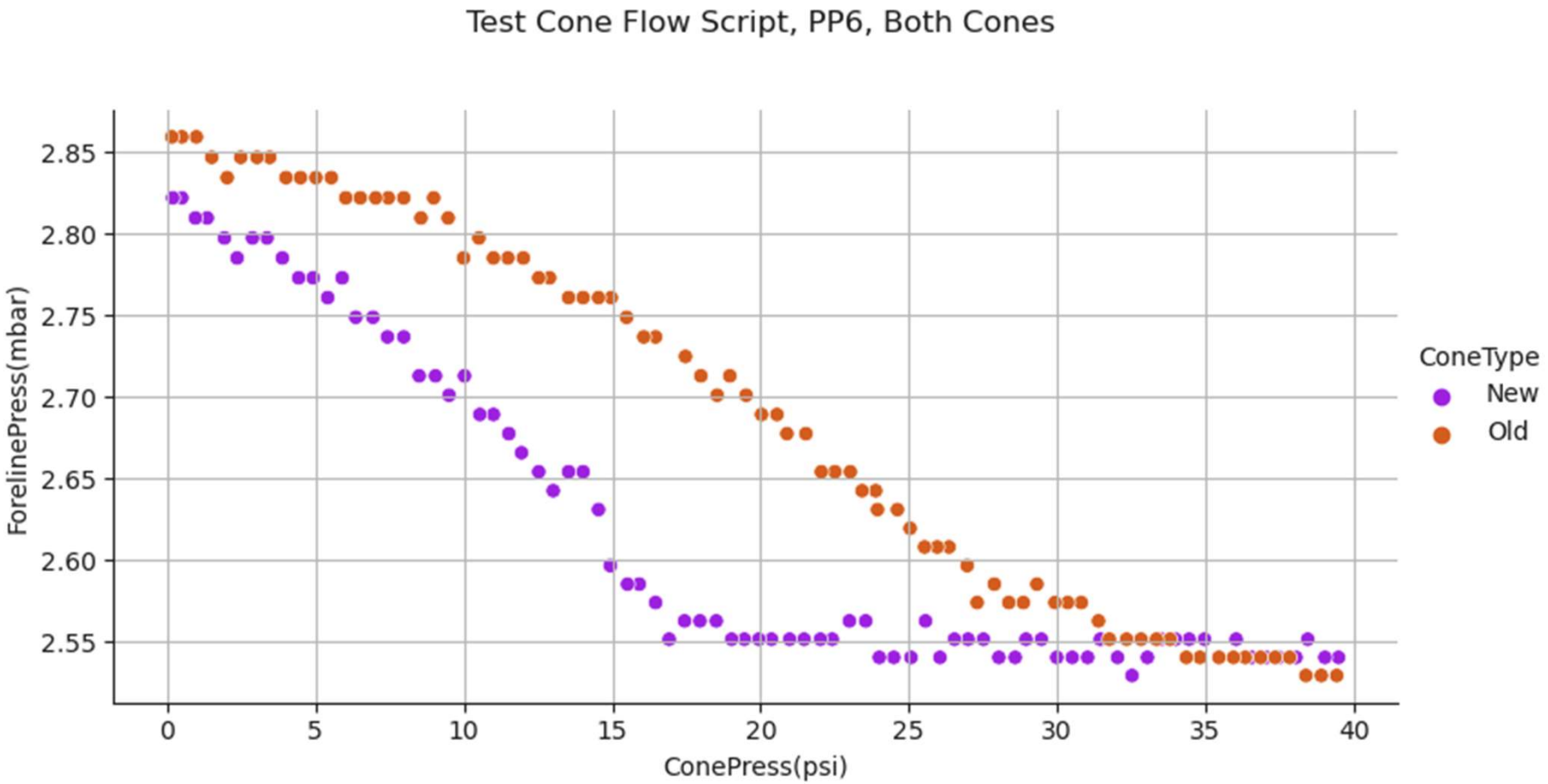
Old Cone



New Cone

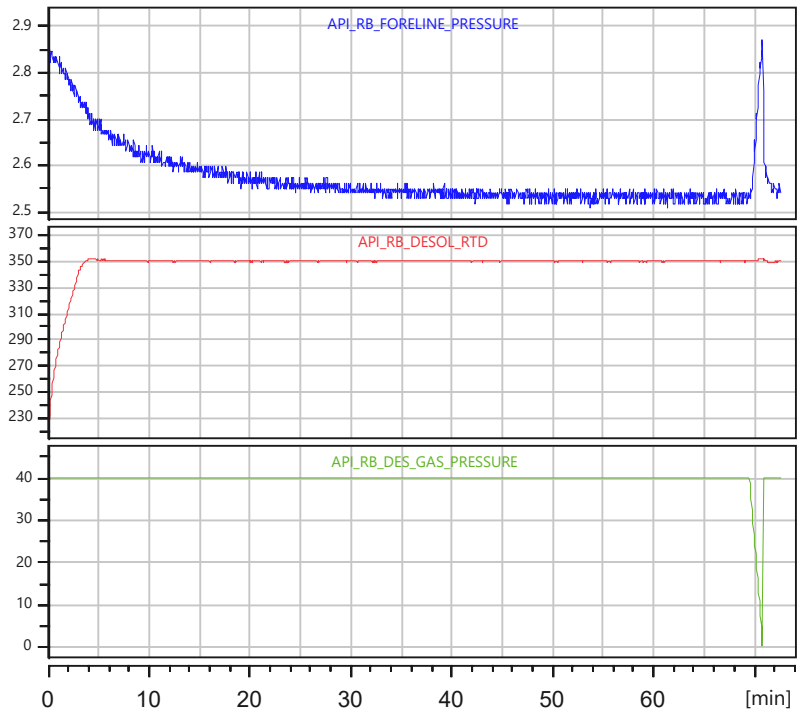



Net Flow vs. Pressure, PP6, Feb. 18, 2025
NetFlow(SLPM)
DesolvationPressure(psi)
0
1
2
3
4
5
6
7
0
5
10
15
20
25
30
35
40
45
50
55
60
ConeType
old
new

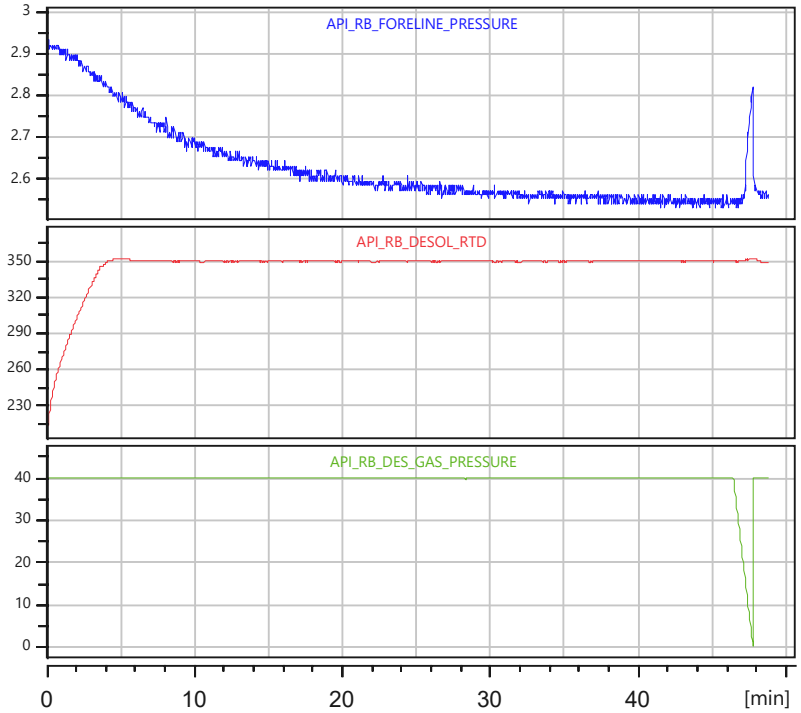

Test Cone Flow Script, PP6, Both Cones
ForelinePress(mbar)
2.85
2.80
2.75
2.70
2.65
2.60
2.55
0
5
10
15
20
25
30
35
40
ConePress(psi)
ConeType
New
Old

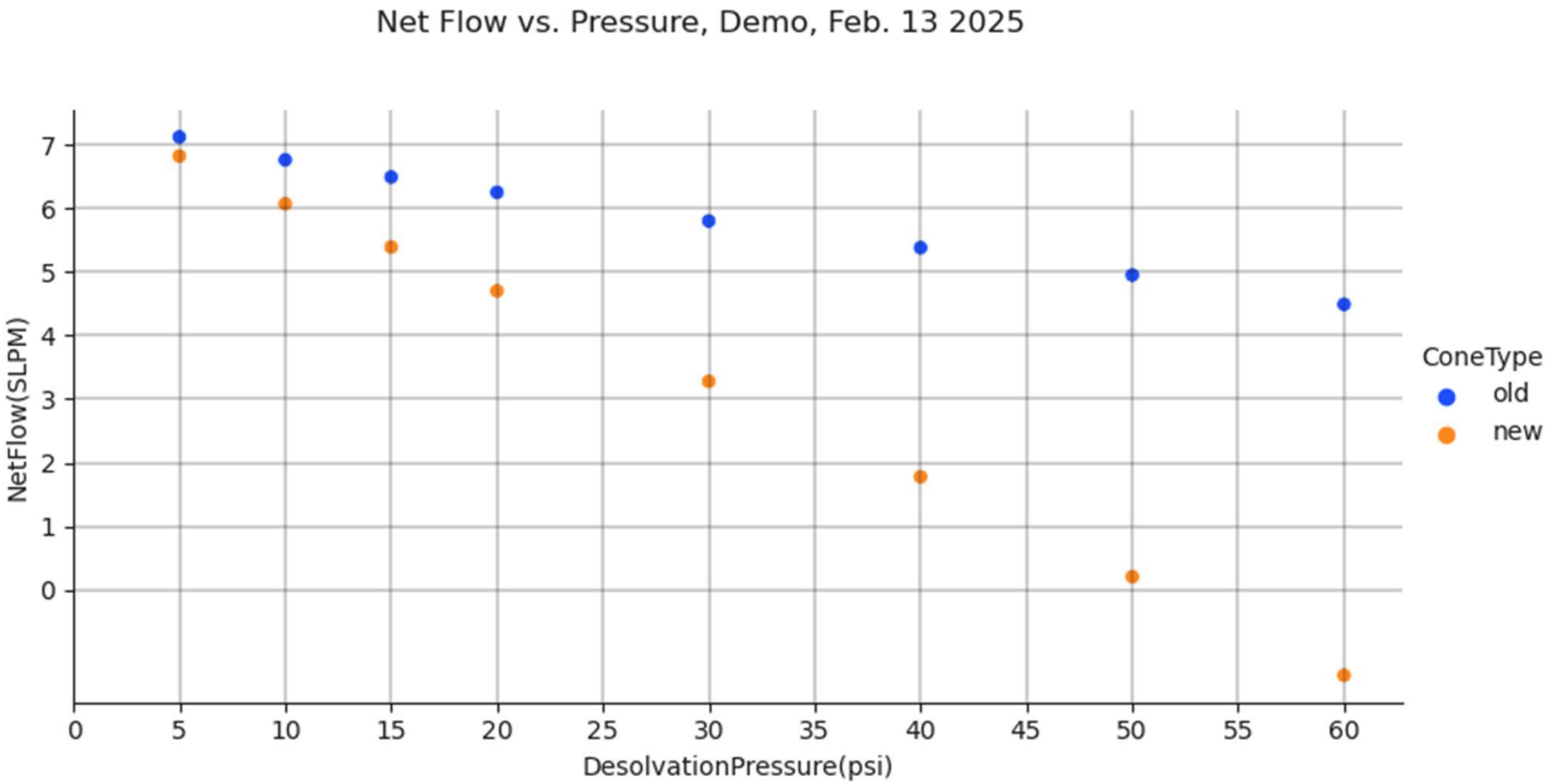
Foreline Stabilization for Script – PP6

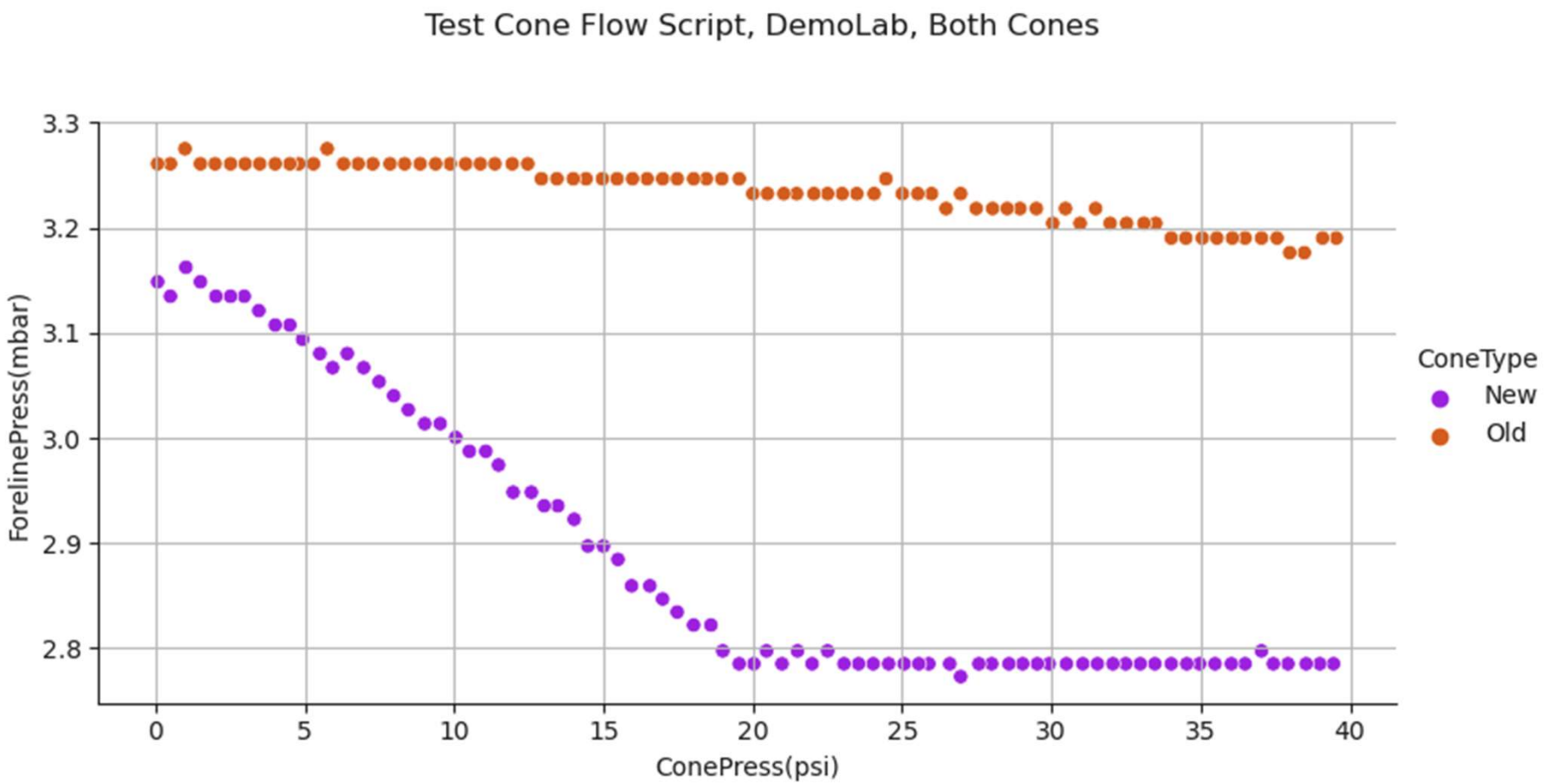
Old Cone



New Cone

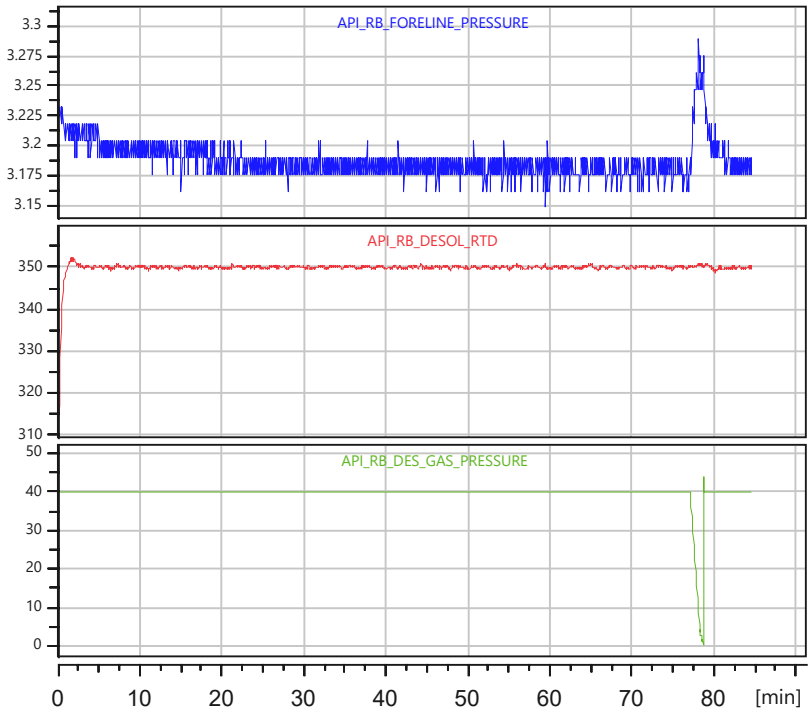



Net Flow vs. Pressure, Demo, Feb. 13 2025
NetFlow(SLPM)
0
1
2
3
4
5
6
7
0
5
10
15
20
25
30
35
40
45
50
55
60
DesolvationPressure(psi)
ConeType
old
new

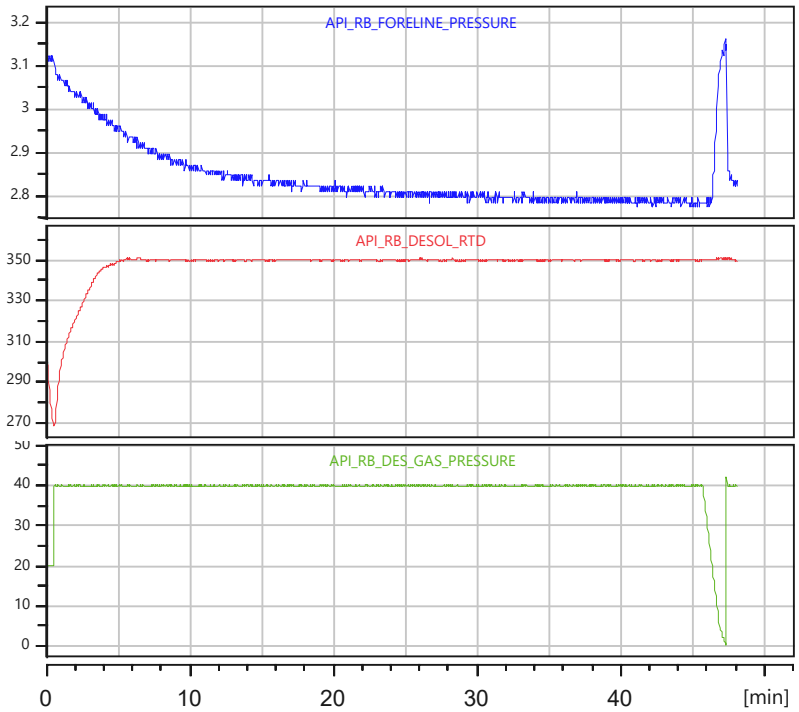

Test Cone Flow Script, DemoLab, Both Cones
ForelinePress(mbar)
3.3
3.2
3.1
3.0
2.9
2.8
0
5
10
15
20
25
30
35
40
ConePress(psi)
ConeType
New
Old

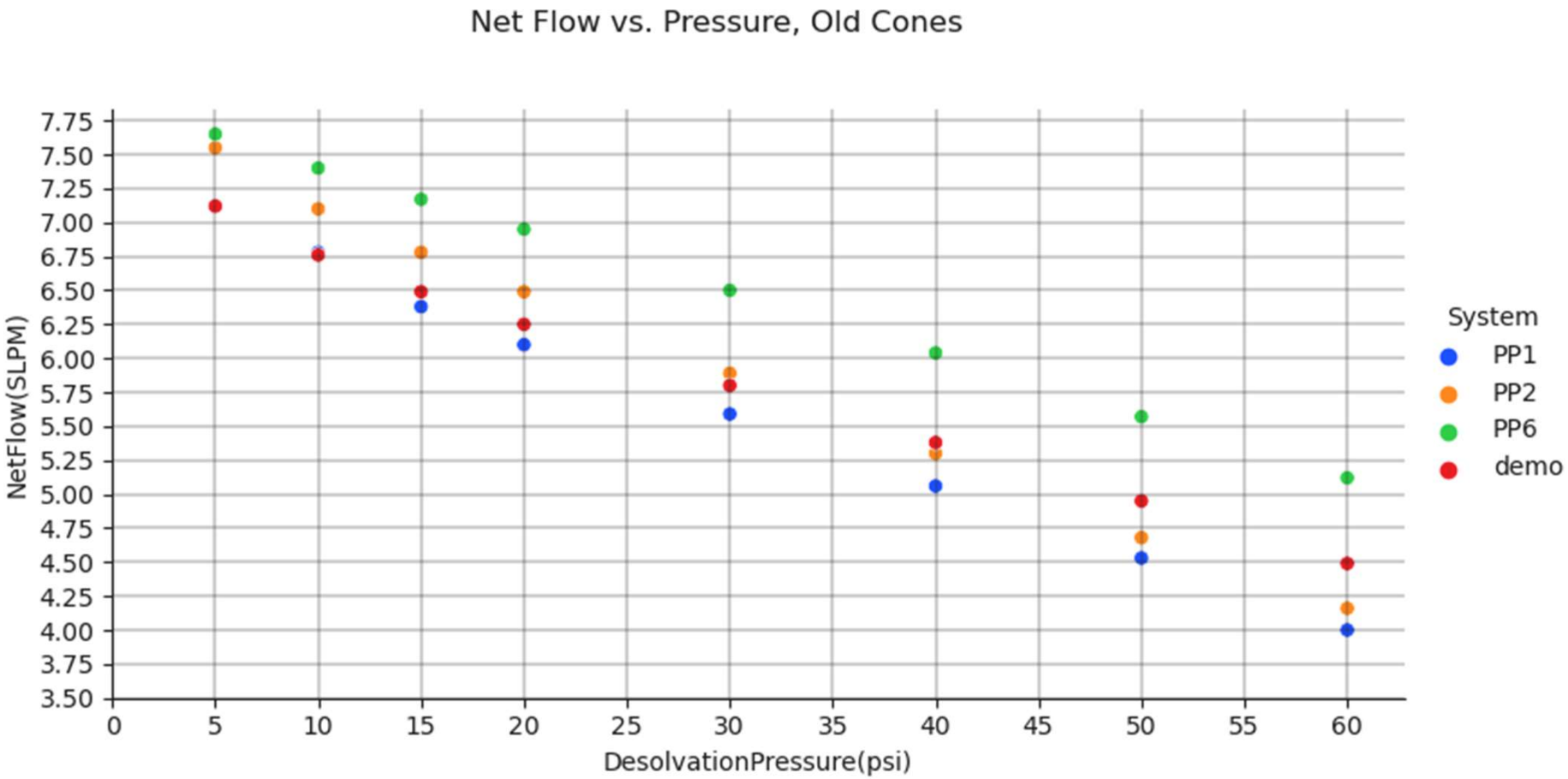
Foreline Stabilization for Script – Demo Unit

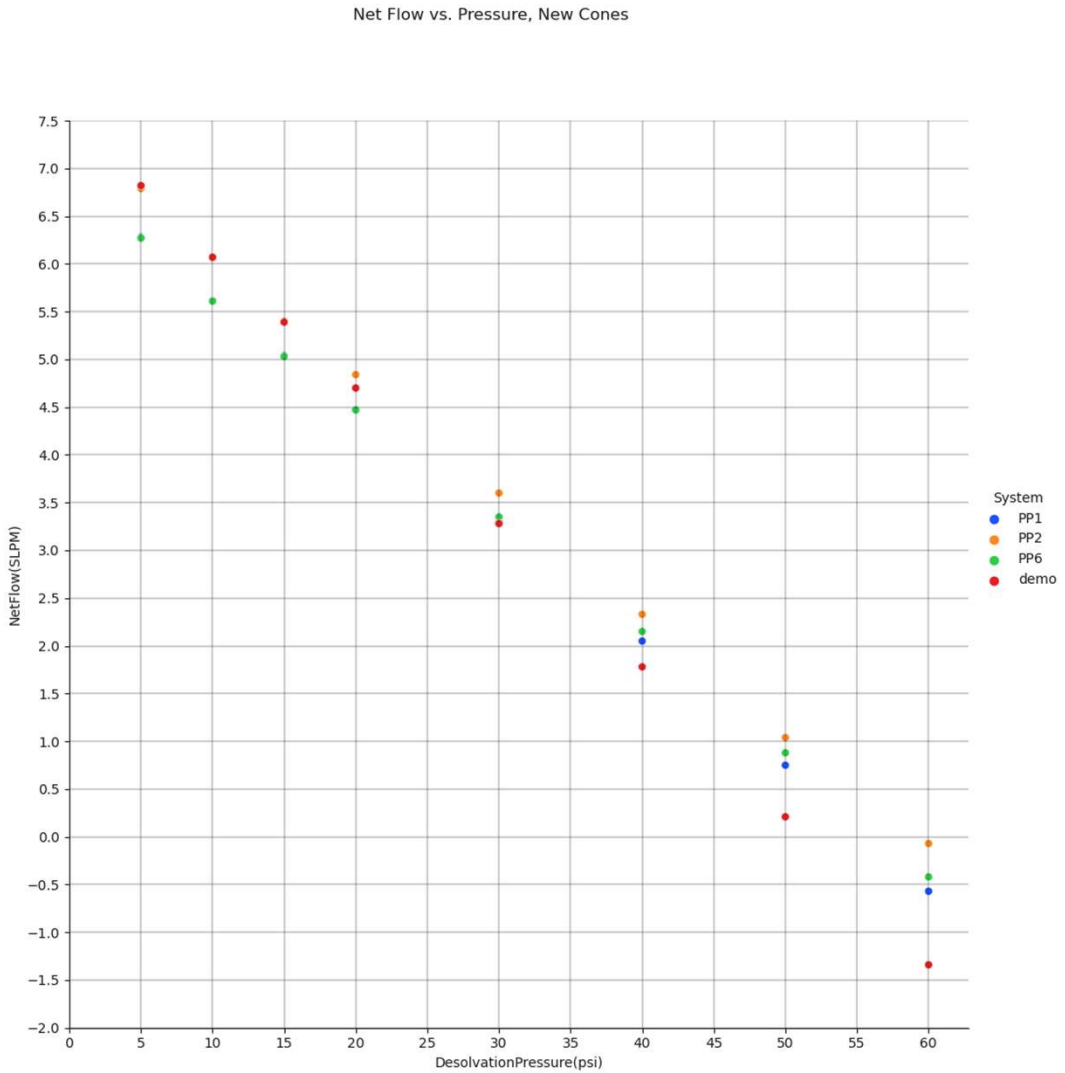
Old Cone

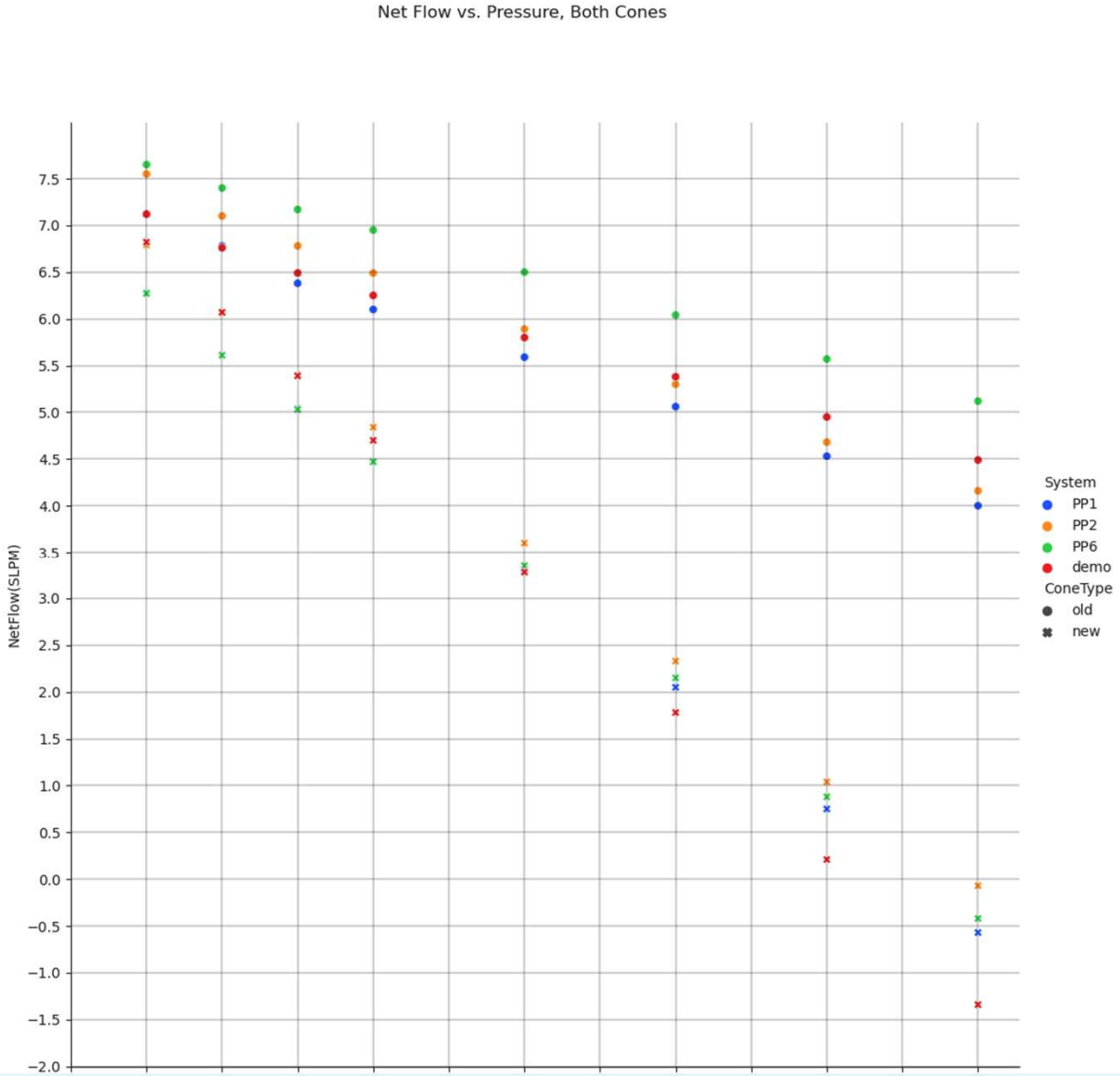


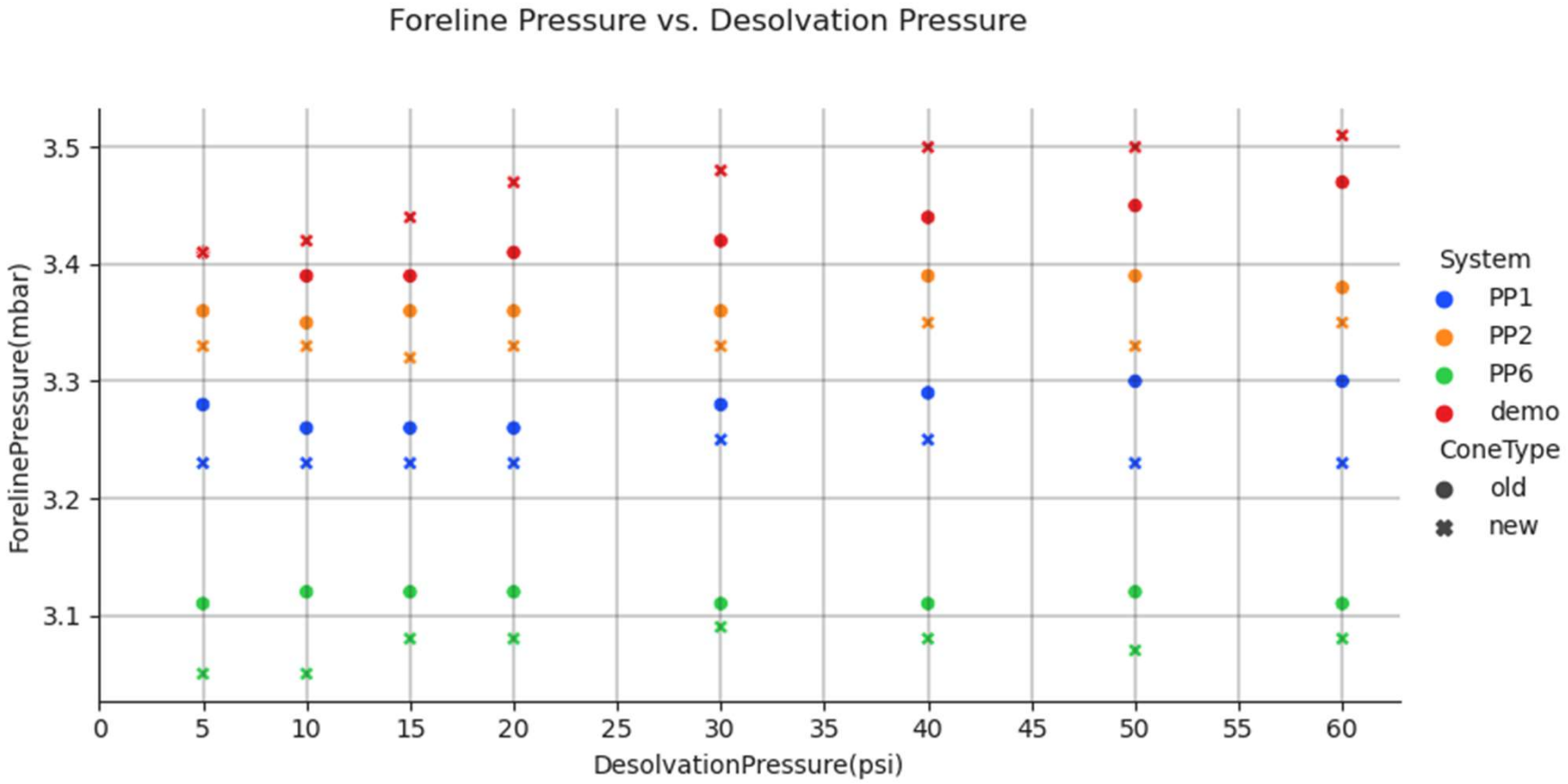
New Cone




Net Flow vs. Pressure, Old Cones
NetFlow(SLPM)
7.75
7.50
7.25
7.00
6.75
6.50
6.25
6.00
5.75
5.50
5.25
5.00
4.75
4.50
4.25
4.00
3.75
3.50
0
5
10
15
20
25
30
35
40
45
50
55
60
DesolvationPressure(psi)
System
PP1
PP2
PP6
demo


Net Flow vs. Pressure, New Cones
NetFlow(SLPM)
DesolvationPressure(psi)
System
PP1
PP2
PP6
demo


Net Flow vs. Pressure, Both Cones
NetFlow(SLPM)
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
System
PP1
PP2
PP6
demo
ConeType
old
new


Foreline Pressure vs. Desolvation Pressure
ForelinePressure(mbar)
3.5
3.4
3.3
3.2
3.1
0
5
10
15
20
25
30
35
40
45
50
55
60
DesolvationPressure(psi)
System
PP1
PP2
PP6
demo
ConeType
old
new