

Pantheon Report

Generated at 2018-05-24 12:27:16 (UTC).

Data path: AWS Brazil 2 Ethernet (*local*) → Colombia ppp0 ppp0 (*remote*).

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

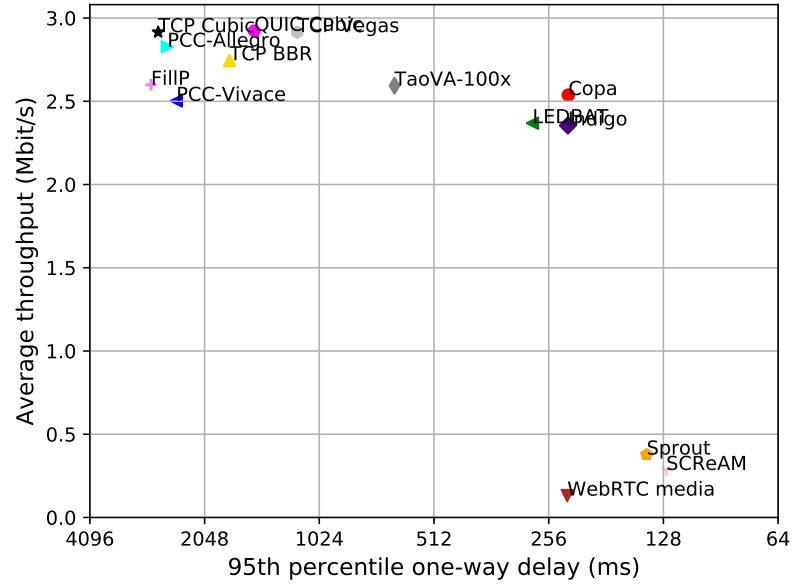
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

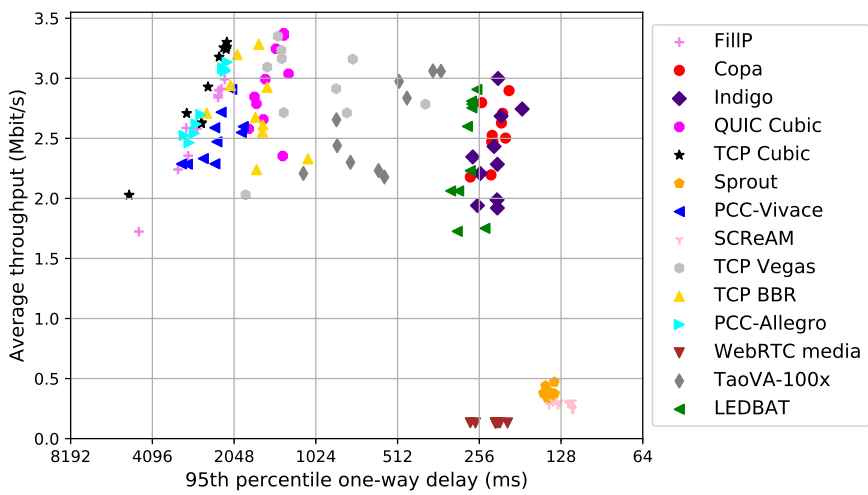
Git summary:

```
branch: master @ 0088822873ea99180f63545a341ef069f40efe59
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from AWS Brazil 2 to Colombia ppp0, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS Brazil 2 to Colombia ppp0, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



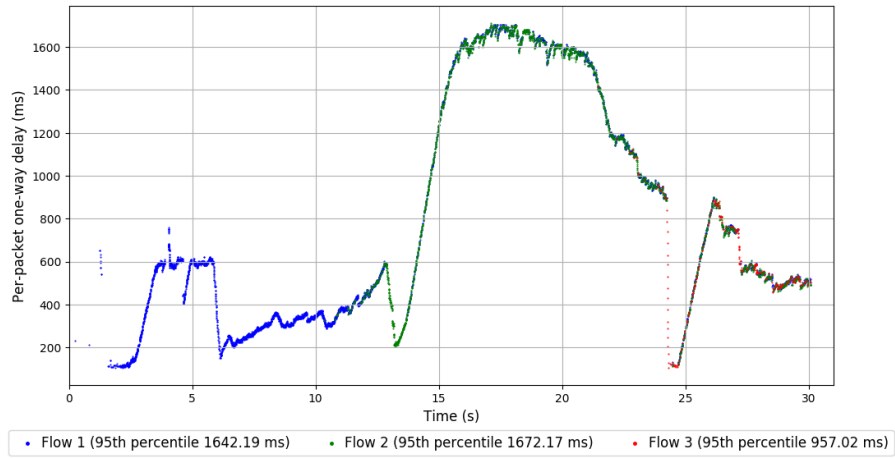
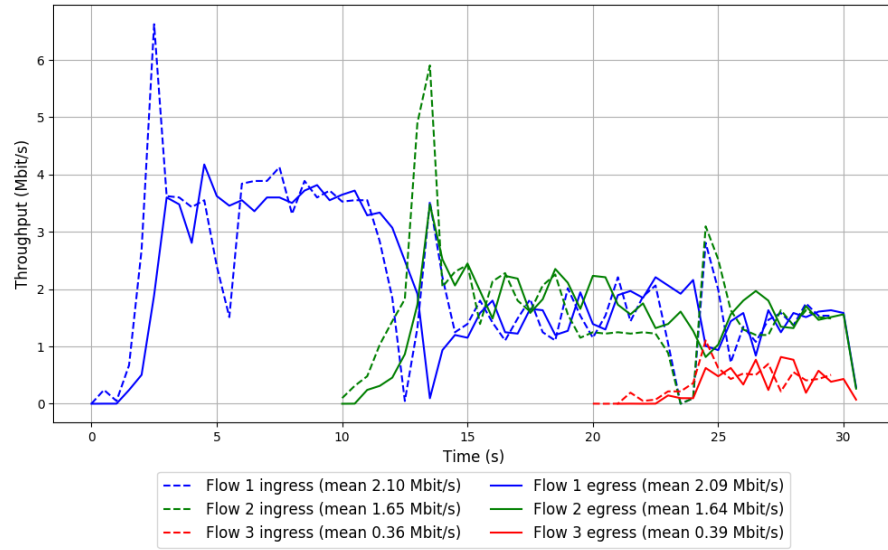
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	1.73	1.29	0.53	1710.29	1803.87	1319.68	1.57	2.99	9.04
Copa	10	1.50	1.08	0.96	226.12	215.56	231.31	0.27	0.55	1.30
TCP Cubic	10	2.79	0.16	0.11	2708.37	2720.01	2465.09	11.24	27.42	41.36
FillP	10	1.98	0.96	0.26	2828.40	2763.53	2650.53	78.08	72.79	82.86
Indigo	10	1.45	0.83	1.07	211.04	288.79	257.03	0.11	0.27	0.75
LEDBAT	10	1.81	0.59	0.49	277.43	292.39	307.34	0.59	0.72	2.35
PCC-Allegro	10	1.70	1.72	0.00	2554.23	2576.38	2534.14	46.44	41.74	14.29
PCC-Expr	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
QUIC Cubic	10	2.31	0.75	0.33	1481.79	1551.06	1600.84	3.98	7.29	22.19
SCReAM	10	0.08	0.20	0.21	121.81	125.14	126.76	0.05	0.18	0.35
Sprout	10	0.17	0.21	0.20	145.68	139.41	140.07	0.39	0.07	0.72
TaoVA-100x	10	1.49	1.21	0.93	549.90	740.42	720.72	0.95	2.39	12.63
TCP Vegas	10	2.22	0.81	0.55	1147.15	1202.15	1209.34	2.30	4.16	14.26
Verus	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCC-Vivace	10	1.43	1.32	0.62	2368.13	2432.36	2391.75	8.44	11.72	16.46
WebRTC media	10	0.05	0.04	0.04	252.75	200.39	222.21	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-24 09:31:46
End at: 2018-05-24 09:32:16
Local clock offset: -3.008 ms
Remote clock offset: 13.398 ms

Below is generated by plot.py at 2018-05-24 12:25:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 1660.801 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 1642.188 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 1672.170 ms
Loss rate: 1.89%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 957.019 ms
Loss rate: 6.41%

Run 1: Report of TCP BBR — Data Link

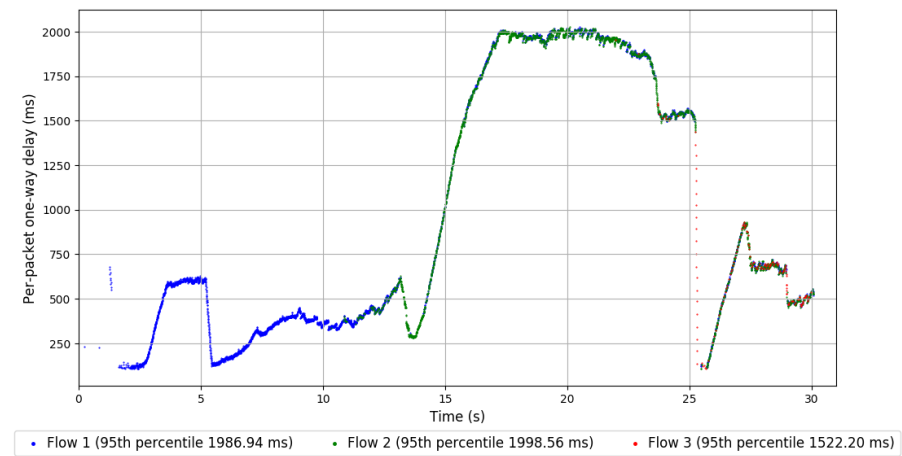
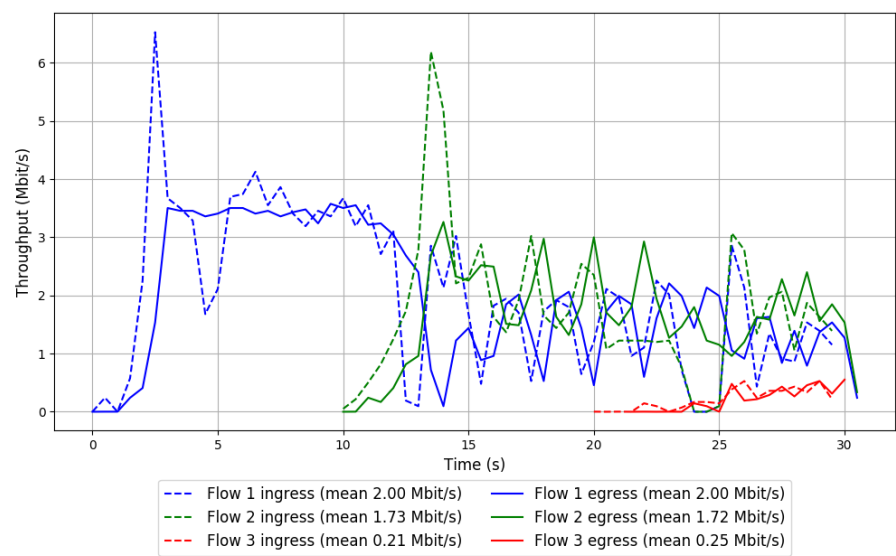


Run 2: Statistics of TCP BBR

Start at: 2018-05-24 09:50:55
End at: 2018-05-24 09:51:25
Local clock offset: -2.793 ms
Remote clock offset: 15.628 ms

Below is generated by plot.py at 2018-05-24 12:25:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.20 Mbit/s
95th percentile per-packet one-way delay: 1995.055 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 1986.943 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 1.72 Mbit/s
95th percentile per-packet one-way delay: 1998.560 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 1522.205 ms
Loss rate: 5.17%

Run 2: Report of TCP BBR — Data Link

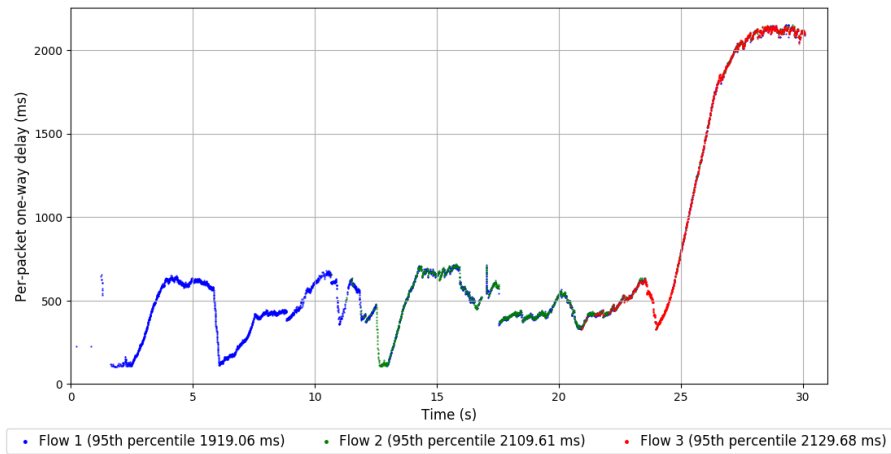
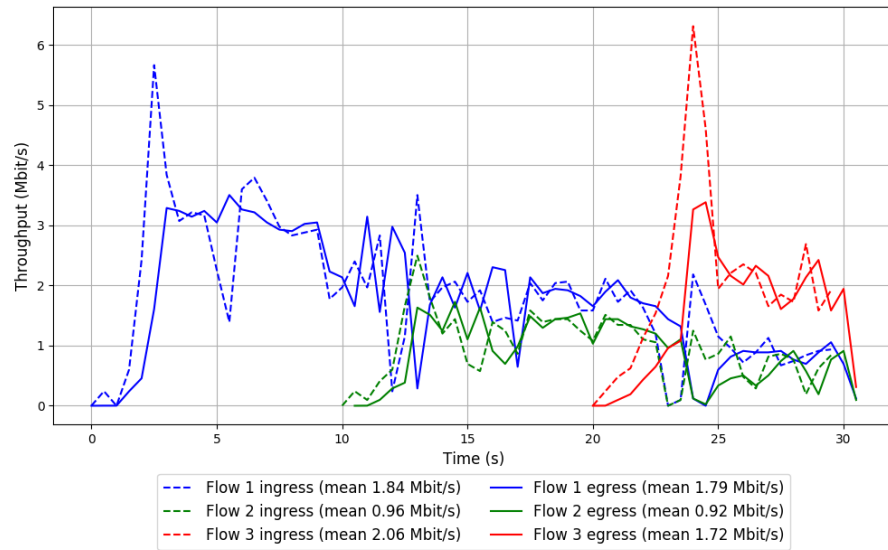


Run 3: Statistics of TCP BBR

Start at: 2018-05-24 10:10:05
End at: 2018-05-24 10:10:35
Local clock offset: -2.083 ms
Remote clock offset: 11.198 ms

Below is generated by plot.py at 2018-05-24 12:25:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.94 Mbit/s
95th percentile per-packet one-way delay: 2110.856 ms
Loss rate: 7.49%
-- Flow 1:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 1919.056 ms
Loss rate: 3.24%
-- Flow 2:
Average throughput: 0.92 Mbit/s
95th percentile per-packet one-way delay: 2109.605 ms
Loss rate: 6.71%
-- Flow 3:
Average throughput: 1.72 Mbit/s
95th percentile per-packet one-way delay: 2129.681 ms
Loss rate: 19.65%

Run 3: Report of TCP BBR — Data Link

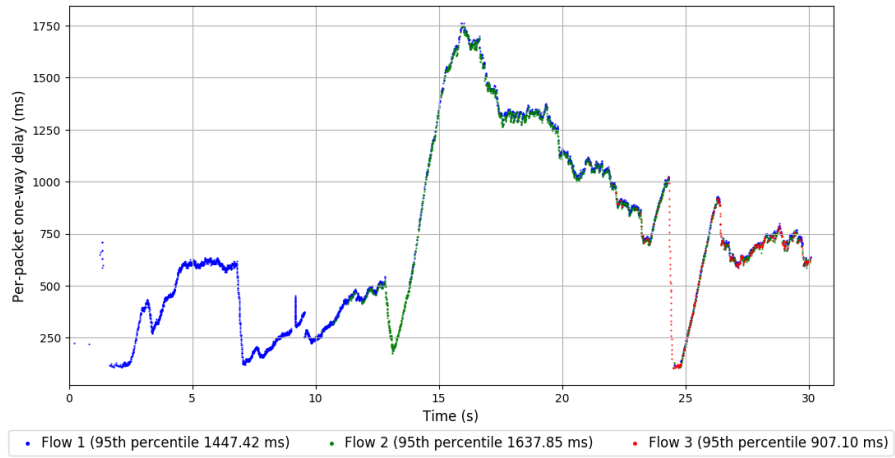
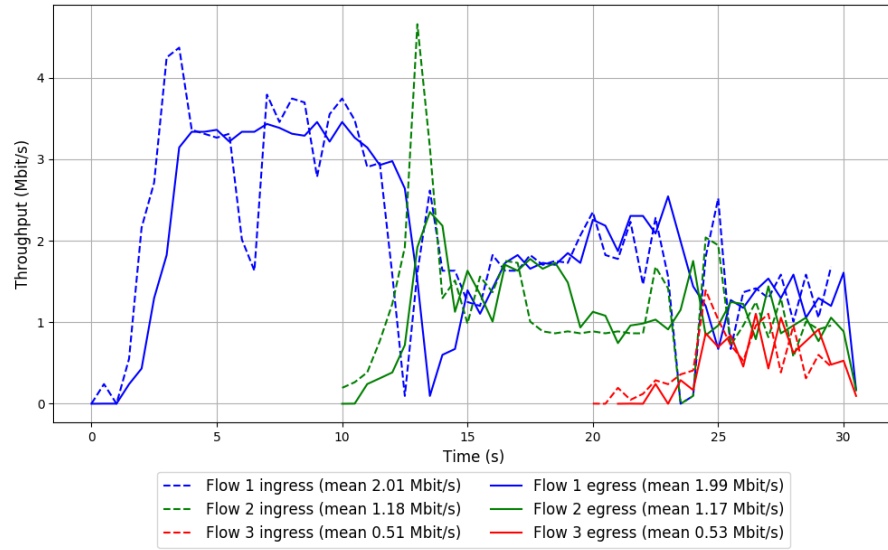


Run 4: Statistics of TCP BBR

Start at: 2018-05-24 10:29:14
End at: 2018-05-24 10:29:44
Local clock offset: -2.873 ms
Remote clock offset: 10.352 ms

Below is generated by plot.py at 2018-05-24 12:25:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 1547.573 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 1447.420 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 1637.850 ms
Loss rate: 2.44%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 907.101 ms
Loss rate: 5.46%

Run 4: Report of TCP BBR — Data Link

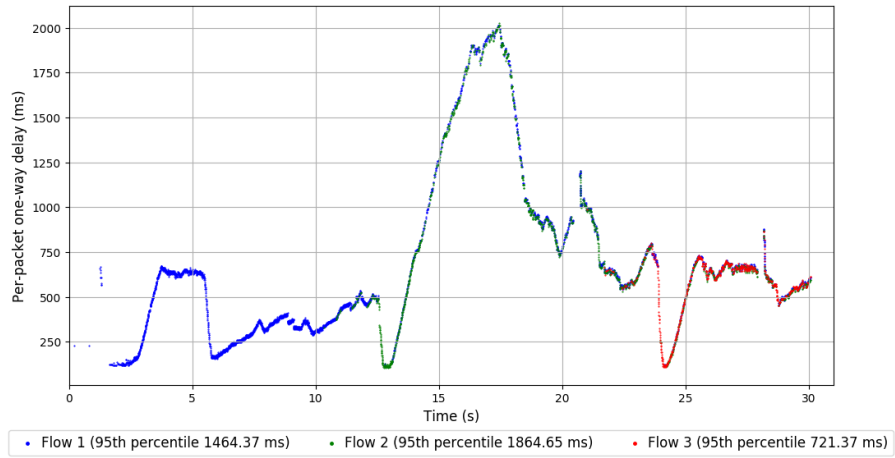
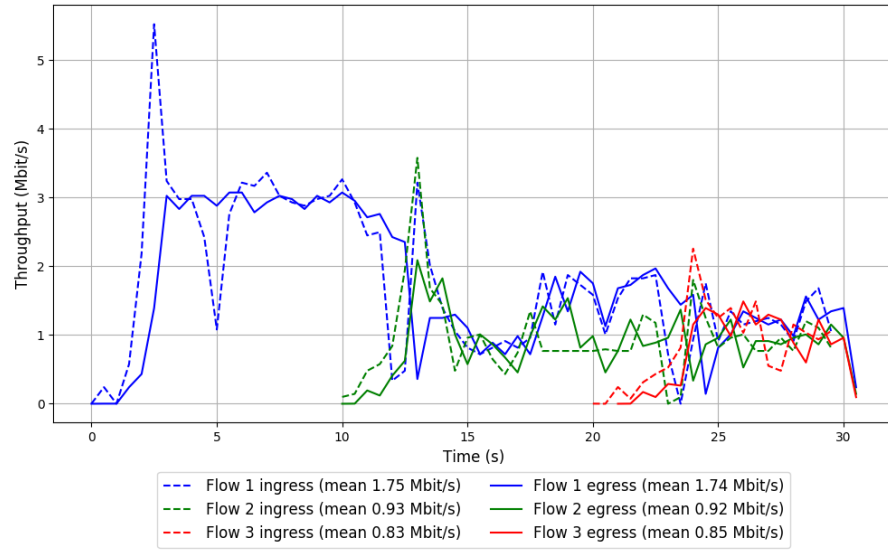


Run 5: Statistics of TCP BBR

Start at: 2018-05-24 10:48:25
End at: 2018-05-24 10:48:55
Local clock offset: -2.903 ms
Remote clock offset: 10.839 ms

Below is generated by plot.py at 2018-05-24 12:25:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.61 Mbit/s
95th percentile per-packet one-way delay: 1604.320 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 1464.371 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 0.92 Mbit/s
95th percentile per-packet one-way delay: 1864.654 ms
Loss rate: 2.31%
-- Flow 3:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 721.370 ms
Loss rate: 6.67%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-05-24 11:07:34

End at: 2018-05-24 11:08:04

Local clock offset: -1.923 ms

Remote clock offset: 9.613 ms

Below is generated by plot.py at 2018-05-24 12:25:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.71 Mbit/s

95th percentile per-packet one-way delay: 2584.643 ms

Loss rate: 2.74%

-- Flow 1:

Average throughput: 1.64 Mbit/s

95th percentile per-packet one-way delay: 2580.082 ms

Loss rate: 1.21%

-- Flow 2:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 2590.378 ms

Loss rate: 4.60%

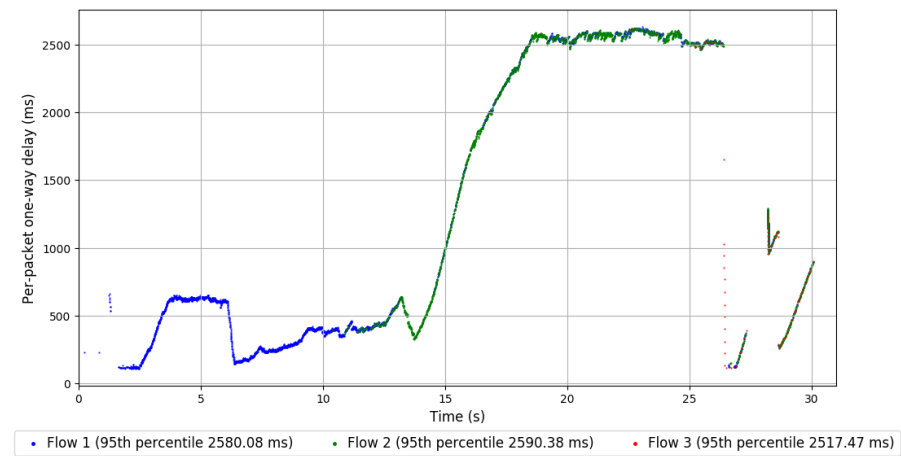
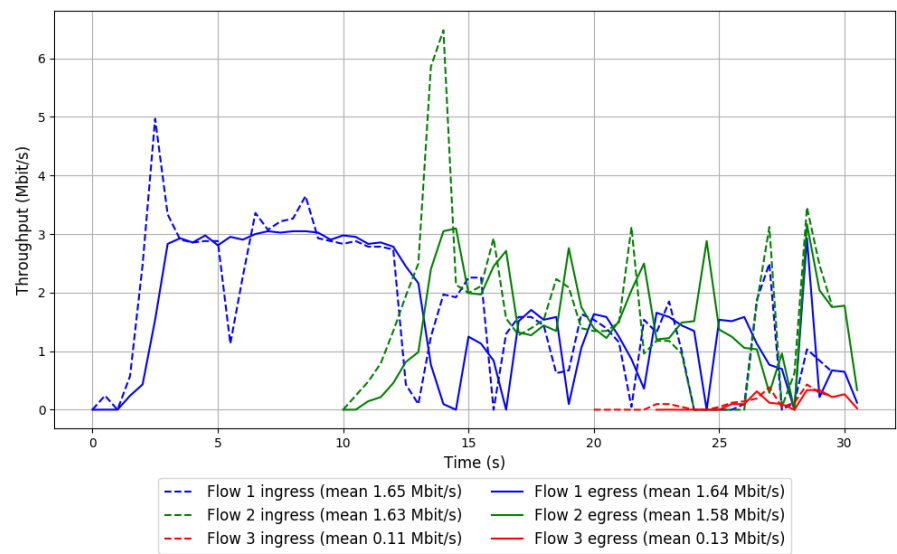
-- Flow 3:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 2517.472 ms

Loss rate: 15.91%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-05-24 11:26:43

End at: 2018-05-24 11:27:13

Local clock offset: -1.379 ms

Remote clock offset: 2.042 ms

Below is generated by plot.py at 2018-05-24 12:25:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.67 Mbit/s

95th percentile per-packet one-way delay: 1708.398 ms

Loss rate: 1.64%

-- Flow 1:

Average throughput: 1.73 Mbit/s

95th percentile per-packet one-way delay: 1698.439 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 1718.308 ms

Loss rate: 2.20%

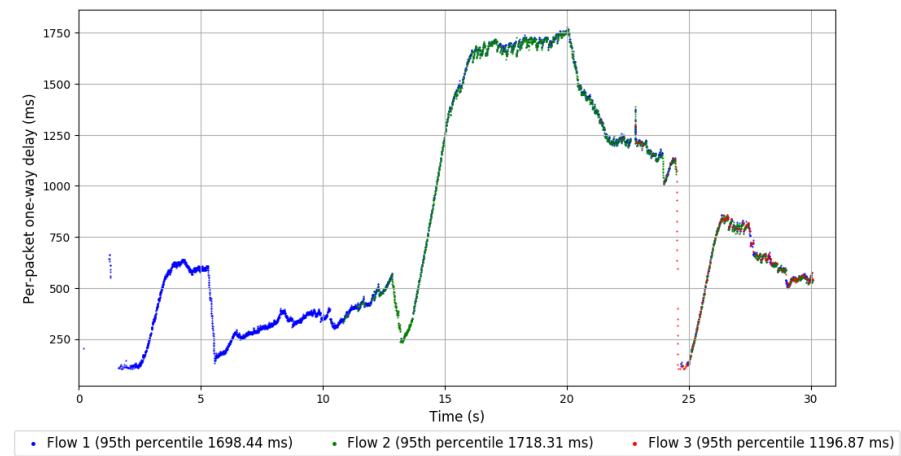
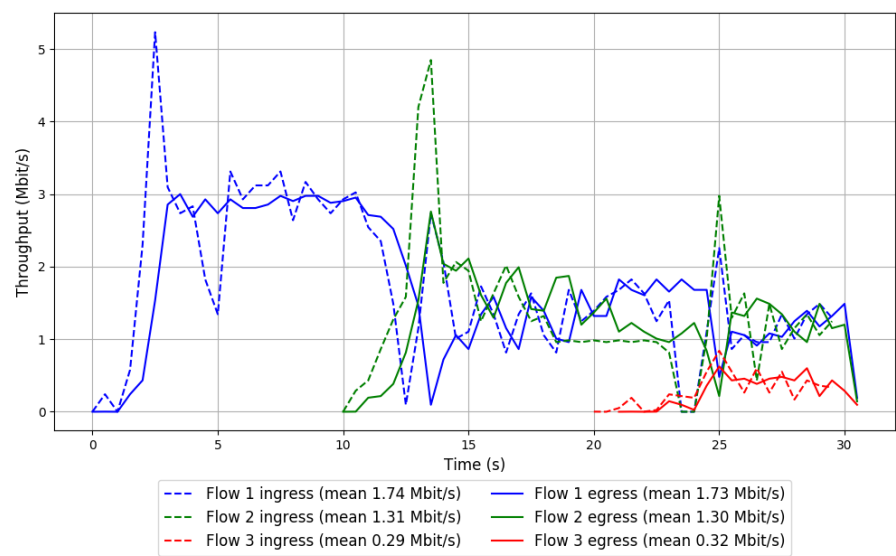
-- Flow 3:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 1196.867 ms

Loss rate: 5.34%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-24 11:45:52

End at: 2018-05-24 11:46:22

Local clock offset: -0.3 ms

Remote clock offset: 8.73 ms

Below is generated by plot.py at 2018-05-24 12:25:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 1692.945 ms

Loss rate: 2.07%

-- Flow 1:

Average throughput: 1.38 Mbit/s

95th percentile per-packet one-way delay: 1672.217 ms

Loss rate: 1.23%

-- Flow 2:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 1722.809 ms

Loss rate: 2.73%

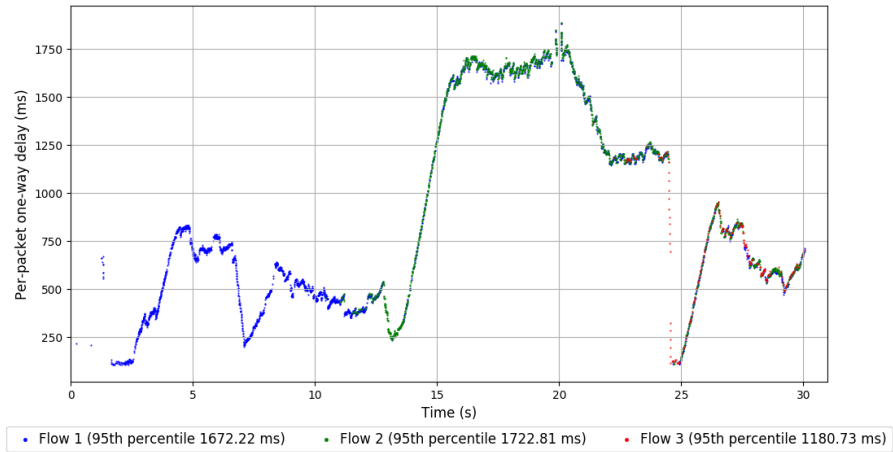
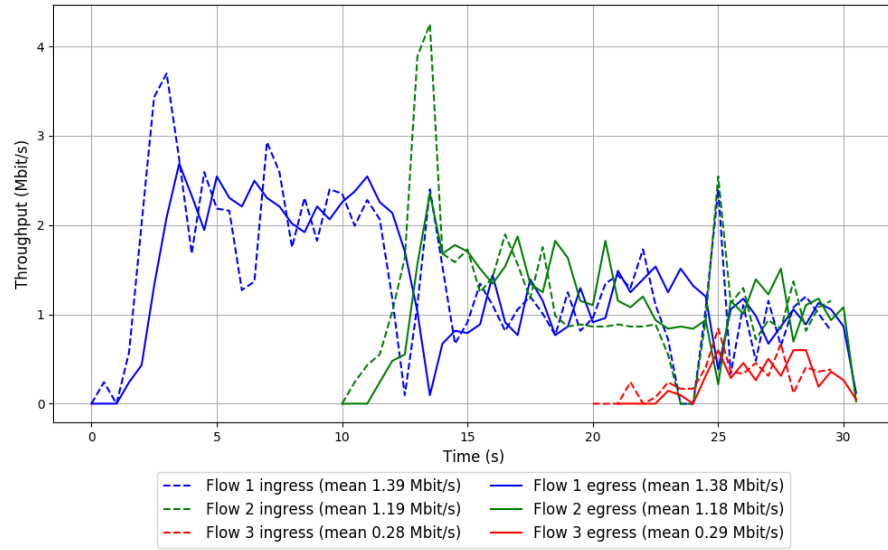
-- Flow 3:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 1180.727 ms

Loss rate: 9.08%

Run 8: Report of TCP BBR — Data Link

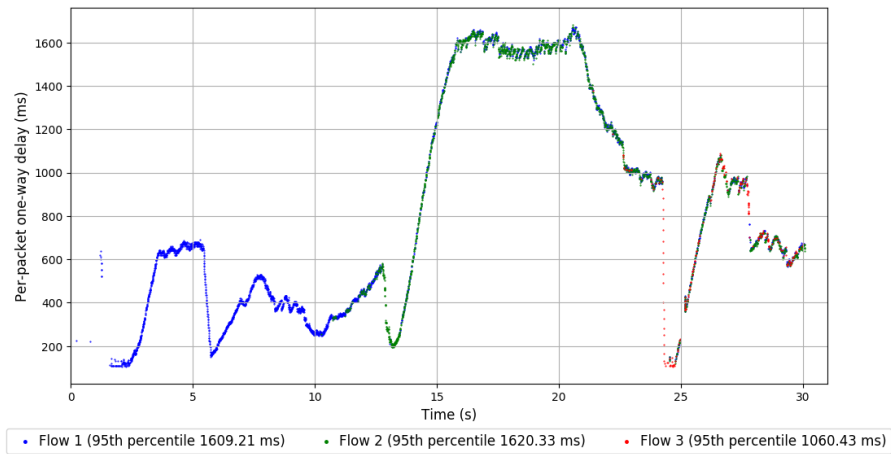
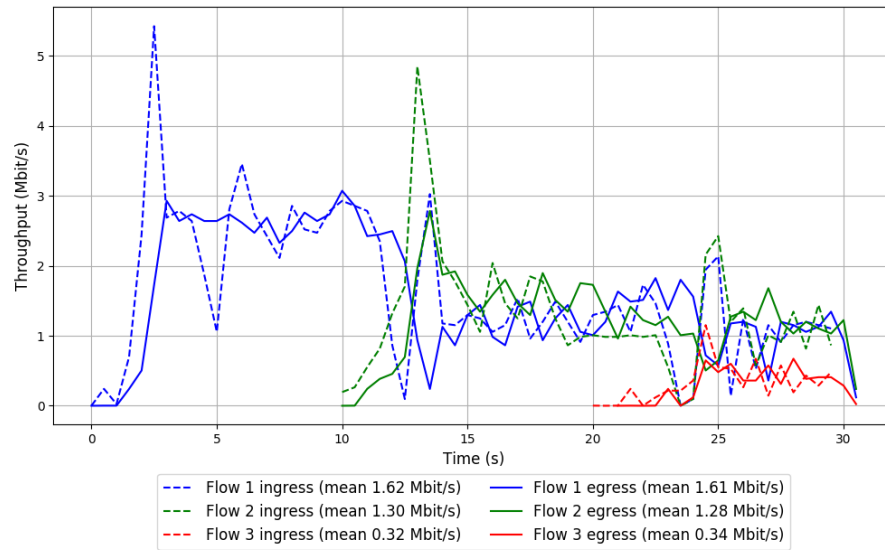


Run 9: Statistics of TCP BBR

Start at: 2018-05-24 12:05:01
End at: 2018-05-24 12:05:31
Local clock offset: -3.202 ms
Remote clock offset: 12.414 ms

Below is generated by plot.py at 2018-05-24 12:25:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.55 Mbit/s
95th percentile per-packet one-way delay: 1610.852 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 1609.211 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 1620.325 ms
Loss rate: 1.99%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 1060.432 ms
Loss rate: 8.57%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-24 12:24:12

End at: 2018-05-24 12:24:42

Local clock offset: -2.731 ms

Remote clock offset: 4.878 ms

Below is generated by plot.py at 2018-05-24 12:25:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 1093.951 ms

Loss rate: 3.43%

-- Flow 1:

Average throughput: 1.38 Mbit/s

95th percentile per-packet one-way delay: 1082.986 ms

Loss rate: 2.99%

-- Flow 2:

Average throughput: 1.19 Mbit/s

95th percentile per-packet one-way delay: 1103.998 ms

Loss rate: 3.24%

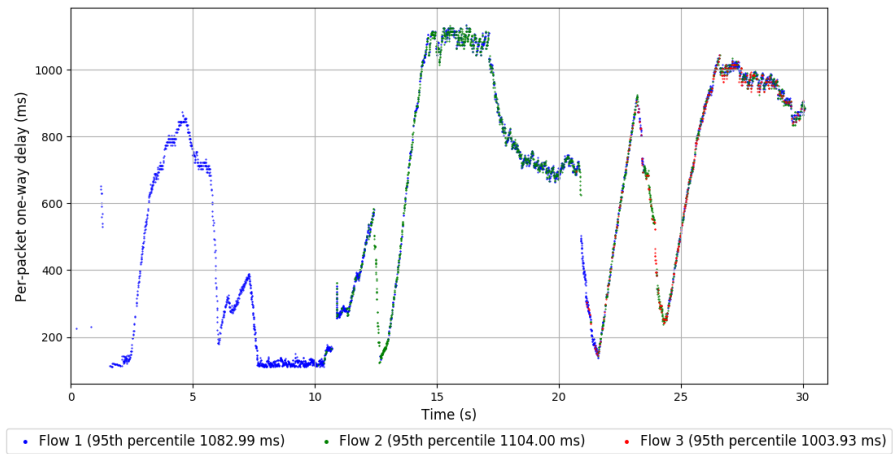
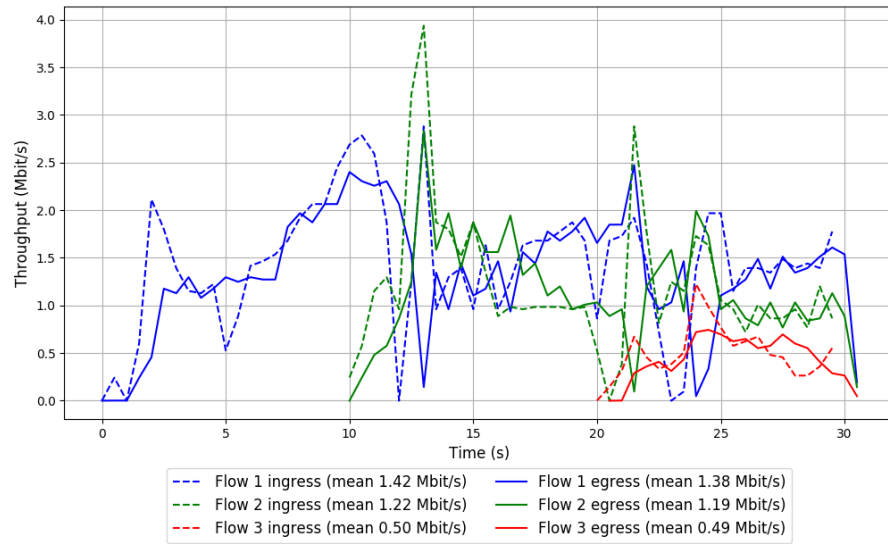
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 1003.931 ms

Loss rate: 8.13%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-05-24 09:17:24

End at: 2018-05-24 09:17:54

Local clock offset: -3.224 ms

Remote clock offset: 4.111 ms

Below is generated by plot.py at 2018-05-24 12:25:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.80 Mbit/s

95th percentile per-packet one-way delay: 250.987 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 261.394 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 191.871 ms

Loss rate: 0.21%

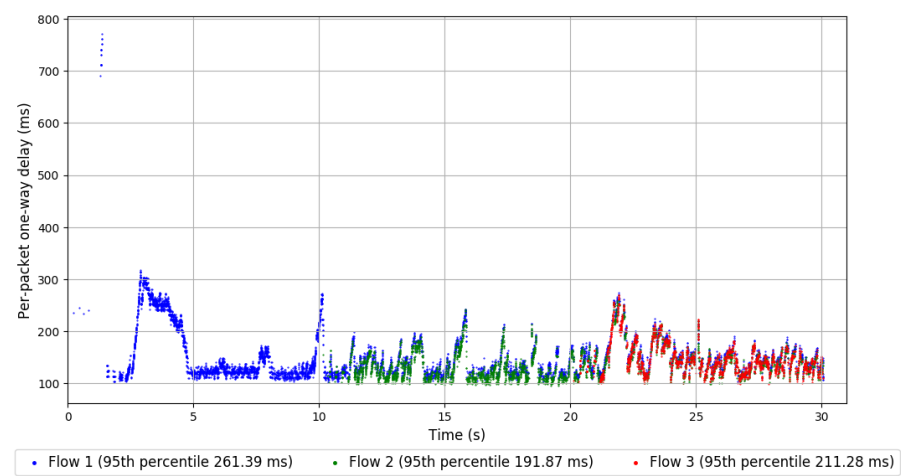
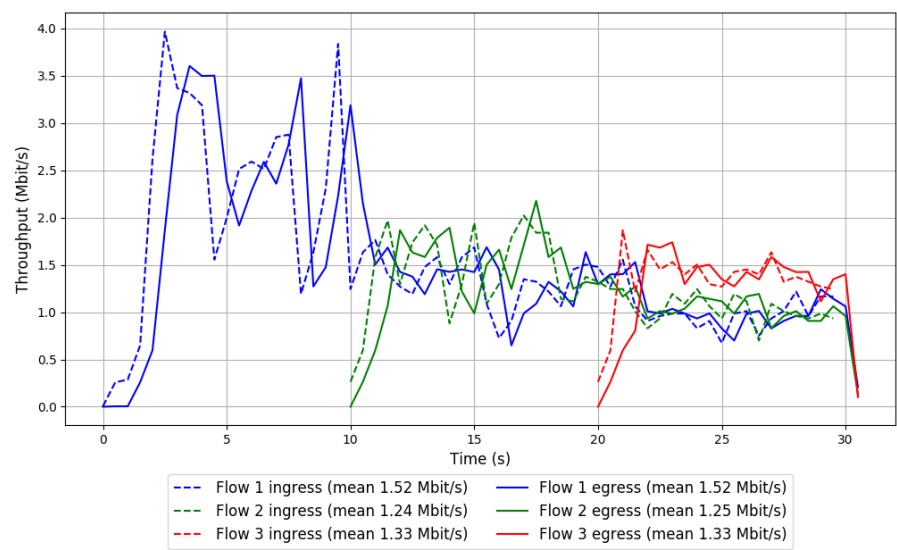
-- Flow 3:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 211.280 ms

Loss rate: 0.59%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-05-24 09:36:33

End at: 2018-05-24 09:37:03

Local clock offset: -2.908 ms

Remote clock offset: 9.464 ms

Below is generated by plot.py at 2018-05-24 12:25:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.90 Mbit/s

95th percentile per-packet one-way delay: 198.962 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 1.78 Mbit/s

95th percentile per-packet one-way delay: 202.494 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 1.15 Mbit/s

95th percentile per-packet one-way delay: 191.952 ms

Loss rate: 0.05%

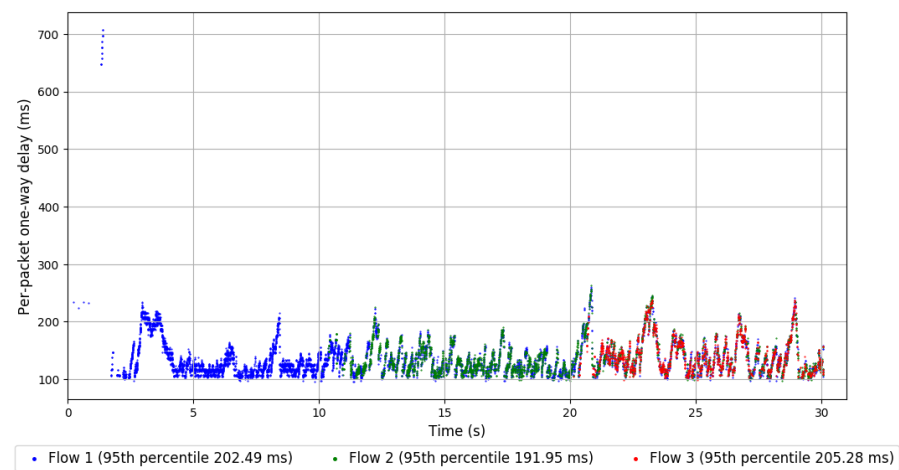
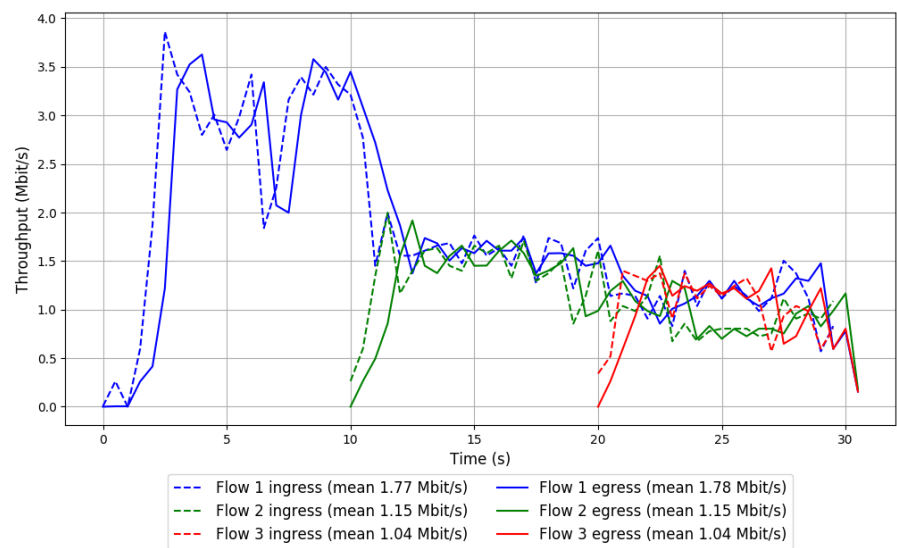
-- Flow 3:

Average throughput: 1.04 Mbit/s

95th percentile per-packet one-way delay: 205.276 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

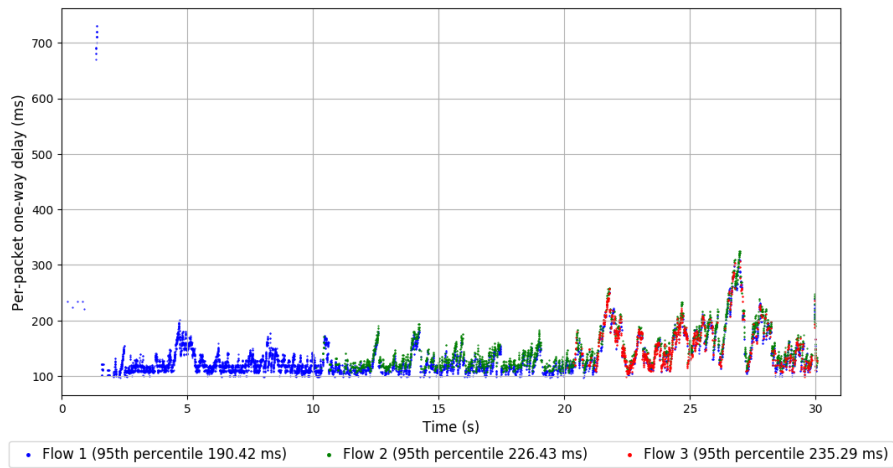
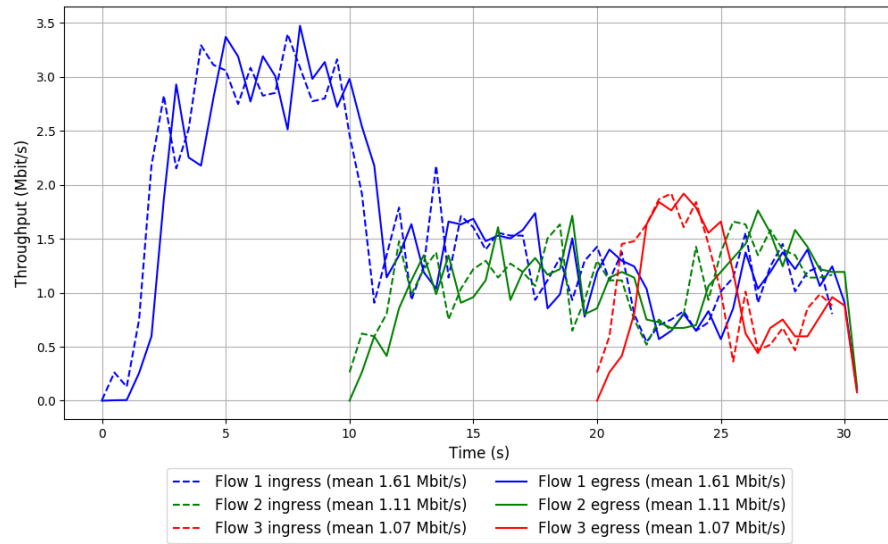


Run 3: Statistics of Copa

Start at: 2018-05-24 09:55:42
End at: 2018-05-24 09:56:12
Local clock offset: -2.812 ms
Remote clock offset: 11.245 ms

Below is generated by plot.py at 2018-05-24 12:25:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.71 Mbit/s
95th percentile per-packet one-way delay: 210.069 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 190.423 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 226.429 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: 235.290 ms
Loss rate: 0.61%

Run 3: Report of Copa — Data Link

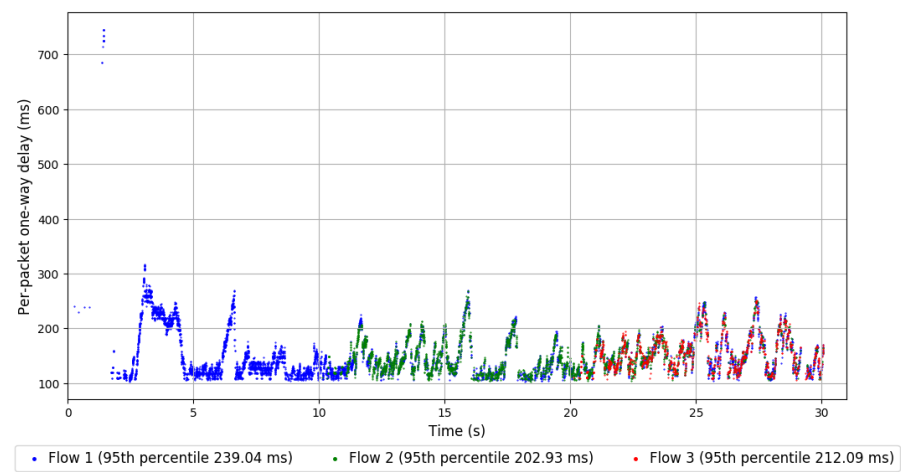
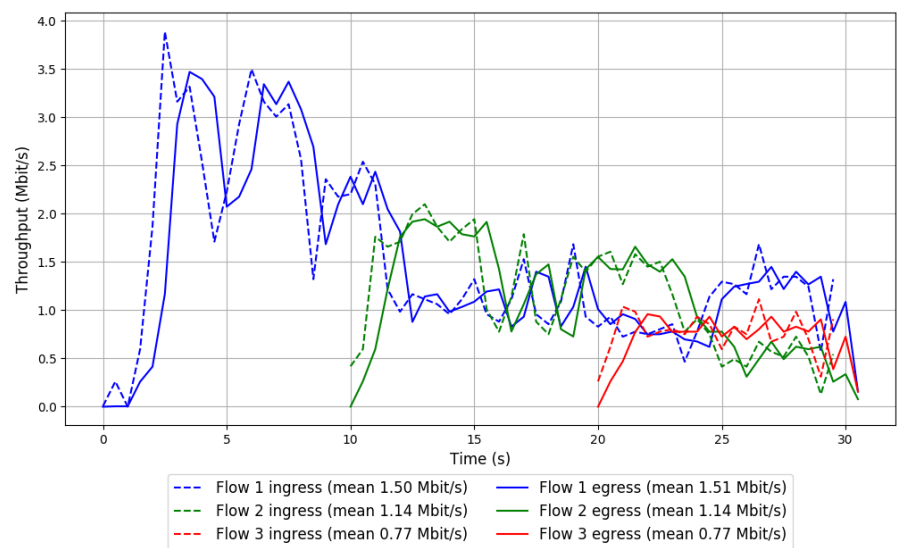


Run 4: Statistics of Copa

Start at: 2018-05-24 10:14:52
End at: 2018-05-24 10:15:22
Local clock offset: -3.596 ms
Remote clock offset: 15.301 ms

Below is generated by plot.py at 2018-05-24 12:25:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.52 Mbit/s
95th percentile per-packet one-way delay: 229.605 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 239.042 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 202.928 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 212.093 ms
Loss rate: 0.84%

Run 4: Report of Copa — Data Link

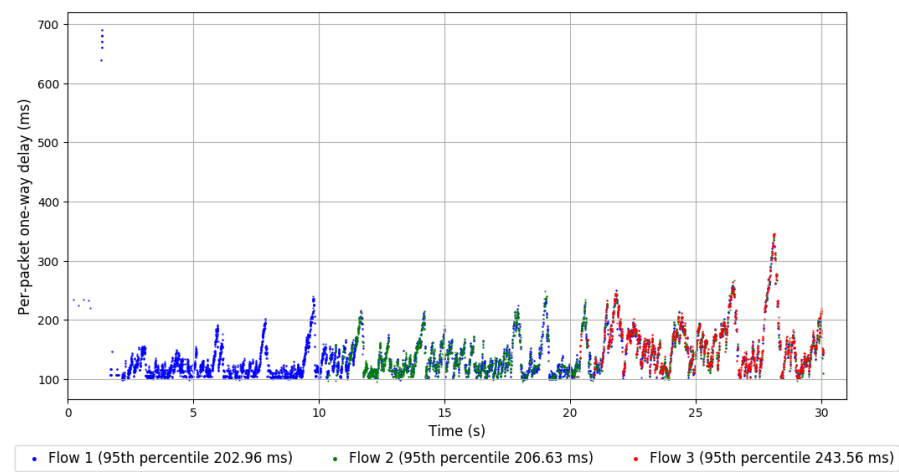
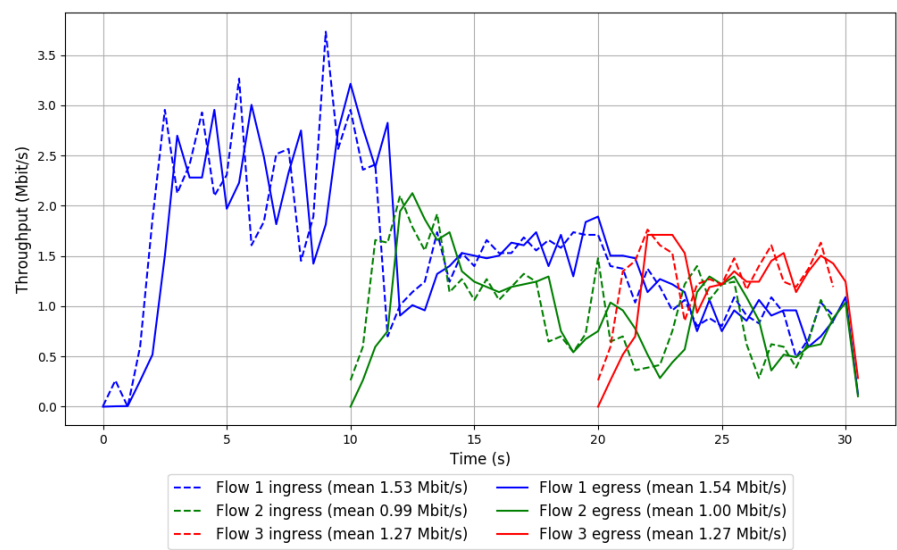


Run 5: Statistics of Copa

Start at: 2018-05-24 10:34:01
End at: 2018-05-24 10:34:31
Local clock offset: -2.073 ms
Remote clock offset: 10.858 ms

Below is generated by plot.py at 2018-05-24 12:25:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.63 Mbit/s
95th percentile per-packet one-way delay: 212.226 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 202.961 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 206.626 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 243.561 ms
Loss rate: 0.61%

Run 5: Report of Copa — Data Link

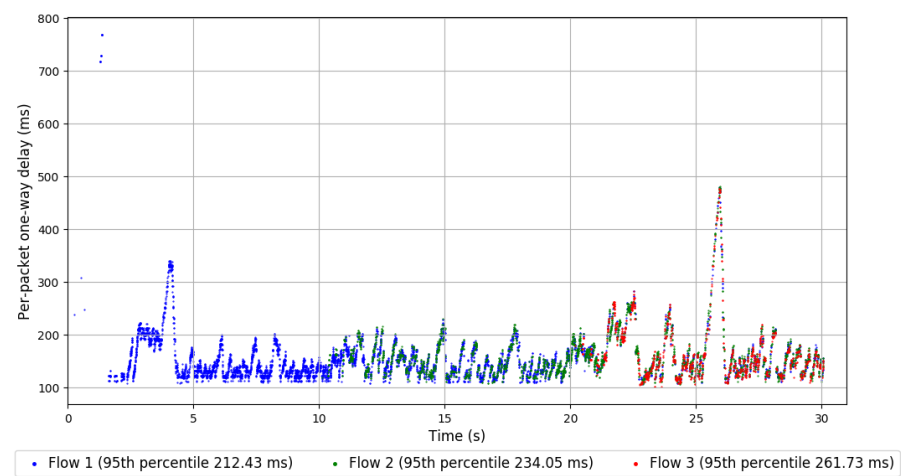
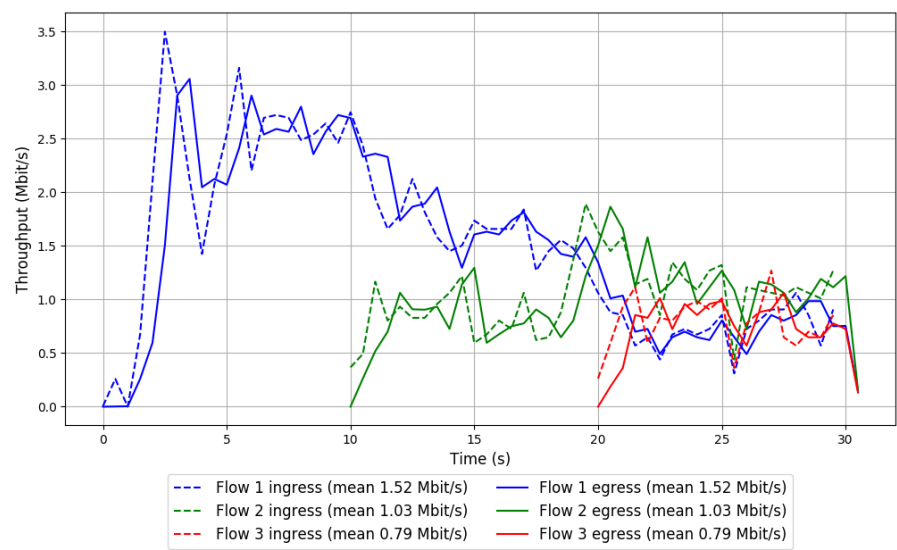


Run 6: Statistics of Copa

Start at: 2018-05-24 10:53:12
End at: 2018-05-24 10:53:42
Local clock offset: -2.917 ms
Remote clock offset: 13.866 ms

Below is generated by plot.py at 2018-05-24 12:25:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 230.510 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 212.429 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 234.054 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 261.728 ms
Loss rate: 0.81%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-05-24 11:12:21

End at: 2018-05-24 11:12:51

Local clock offset: -0.968 ms

Remote clock offset: 7.282 ms

Below is generated by plot.py at 2018-05-24 12:25:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 276.254 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 281.516 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 0.90 Mbit/s

95th percentile per-packet one-way delay: 265.342 ms

Loss rate: 0.29%

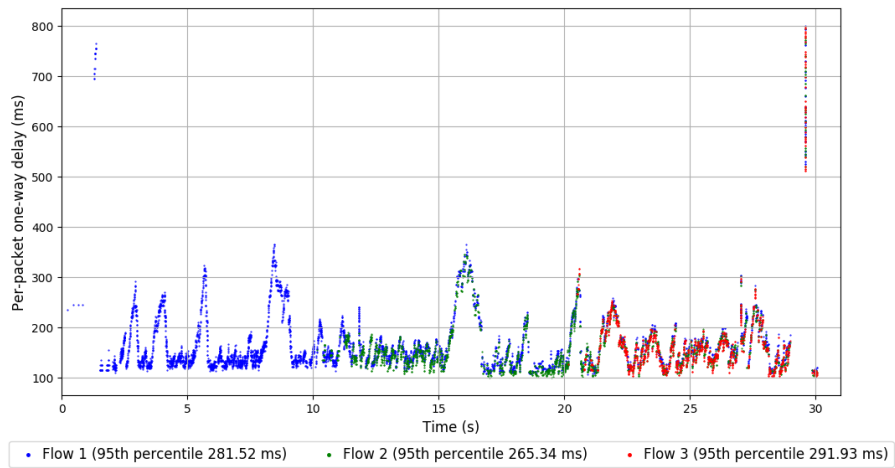
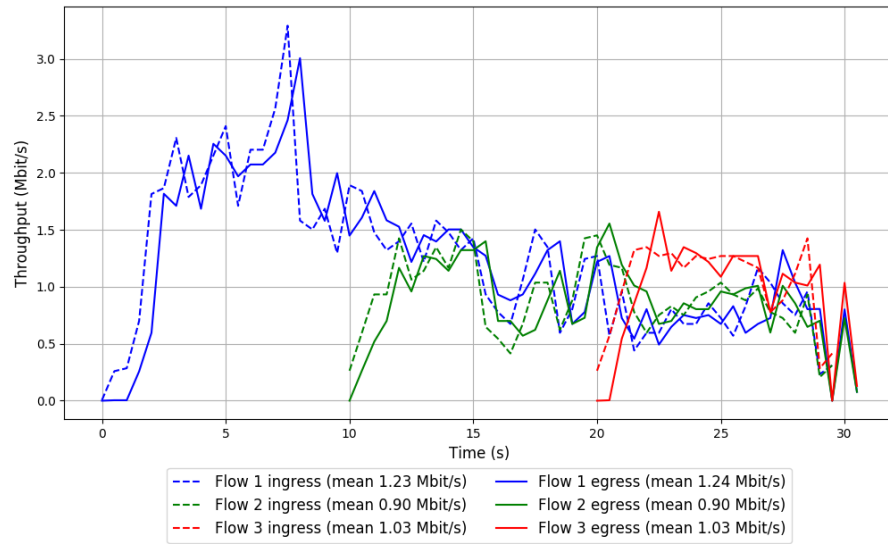
-- Flow 3:

Average throughput: 1.03 Mbit/s

95th percentile per-packet one-way delay: 291.930 ms

Loss rate: 0.50%

Run 7: Report of Copa — Data Link

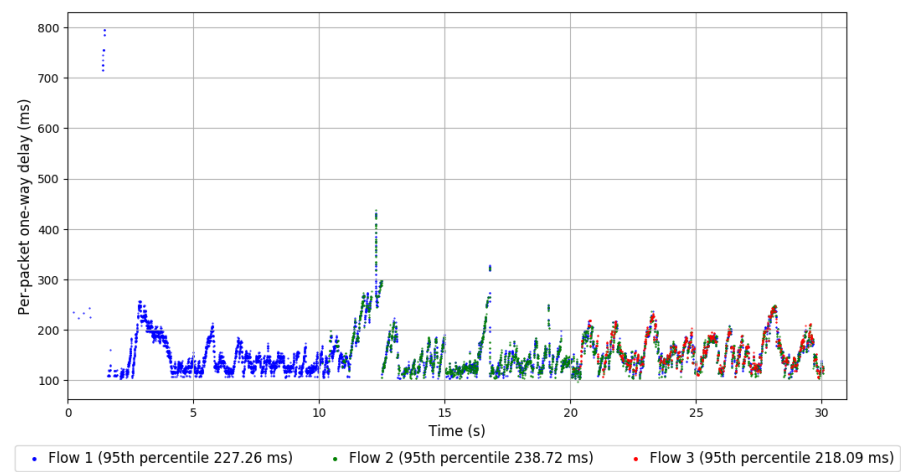
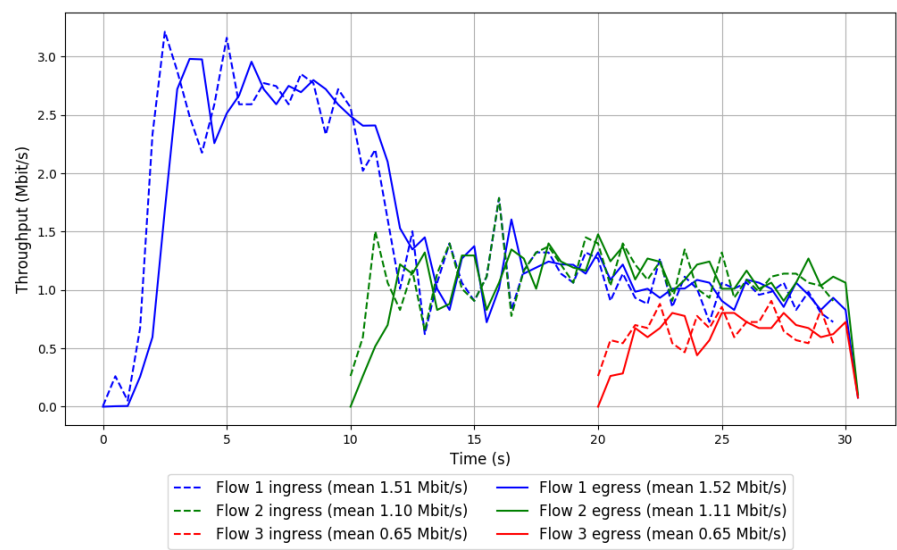


Run 8: Statistics of Copa

Start at: 2018-05-24 11:31:30
End at: 2018-05-24 11:32:00
Local clock offset: -1.29 ms
Remote clock offset: 0.757 ms

Below is generated by plot.py at 2018-05-24 12:25:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 227.985 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 227.264 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 238.720 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 218.090 ms
Loss rate: 0.60%

Run 8: Report of Copa — Data Link

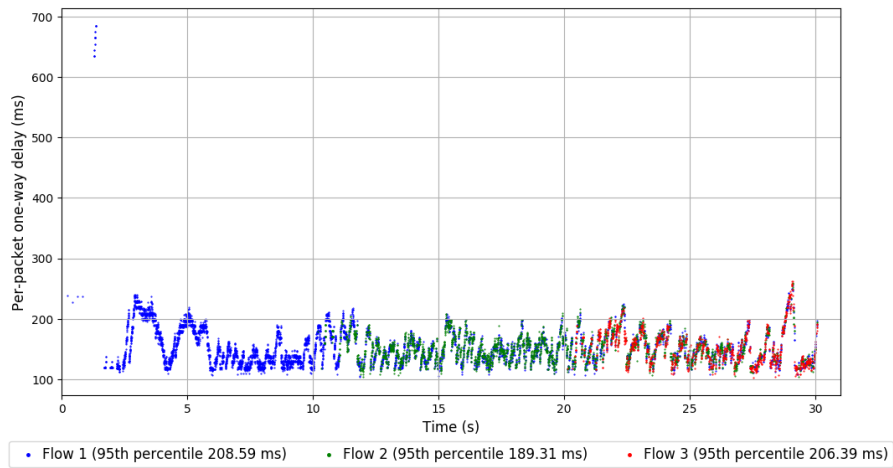
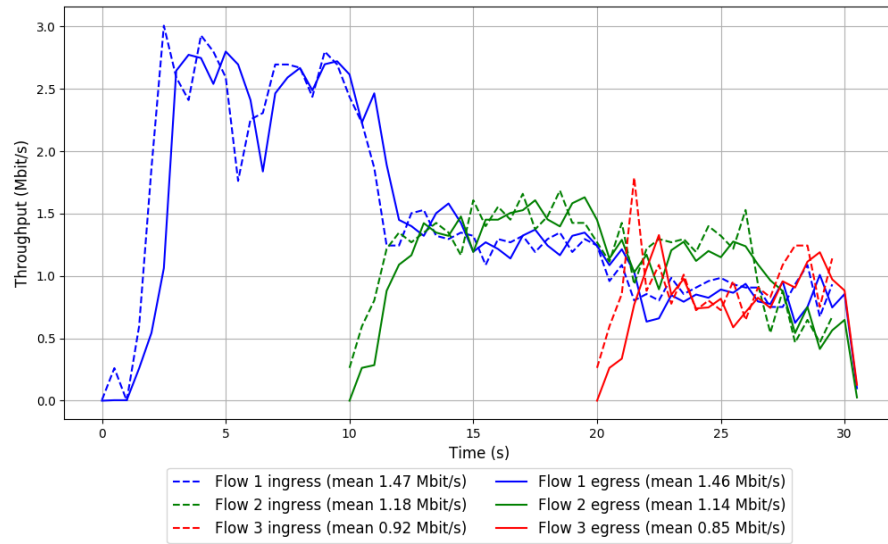


Run 9: Statistics of Copa

Start at: 2018-05-24 11:50:39
End at: 2018-05-24 11:51:09
Local clock offset: -1.062 ms
Remote clock offset: 13.695 ms

Below is generated by plot.py at 2018-05-24 12:25:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.50 Mbit/s
95th percentile per-packet one-way delay: 204.930 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 208.594 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 189.313 ms
Loss rate: 3.33%
-- Flow 3:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 206.394 ms
Loss rate: 7.75%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-24 12:09:50

End at: 2018-05-24 12:10:20

Local clock offset: -3.66 ms

Remote clock offset: 9.915 ms

Below is generated by plot.py at 2018-05-24 12:25:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 231.848 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 235.115 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 0.94 Mbit/s

95th percentile per-packet one-way delay: 208.319 ms

Loss rate: 0.41%

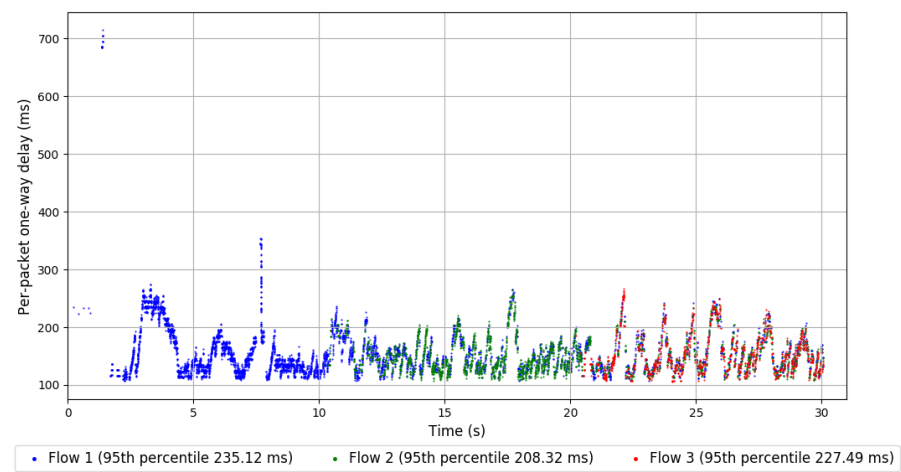
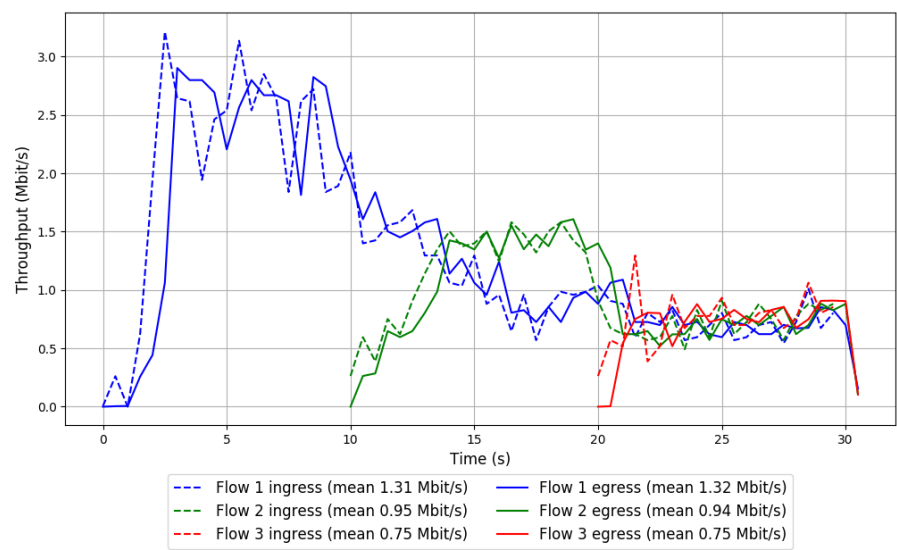
-- Flow 3:

Average throughput: 0.75 Mbit/s

95th percentile per-packet one-way delay: 227.485 ms

Loss rate: 0.68%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-05-24 09:18:36

End at: 2018-05-24 09:19:06

Local clock offset: -3.182 ms

Remote clock offset: 7.686 ms

Below is generated by plot.py at 2018-05-24 12:25:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.18 Mbit/s

95th percentile per-packet one-way delay: 2324.545 ms

Loss rate: 11.45%

-- Flow 1:

Average throughput: 3.09 Mbit/s

95th percentile per-packet one-way delay: 2315.091 ms

Loss rate: 10.58%

-- Flow 2:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 2394.602 ms

Loss rate: 32.98%

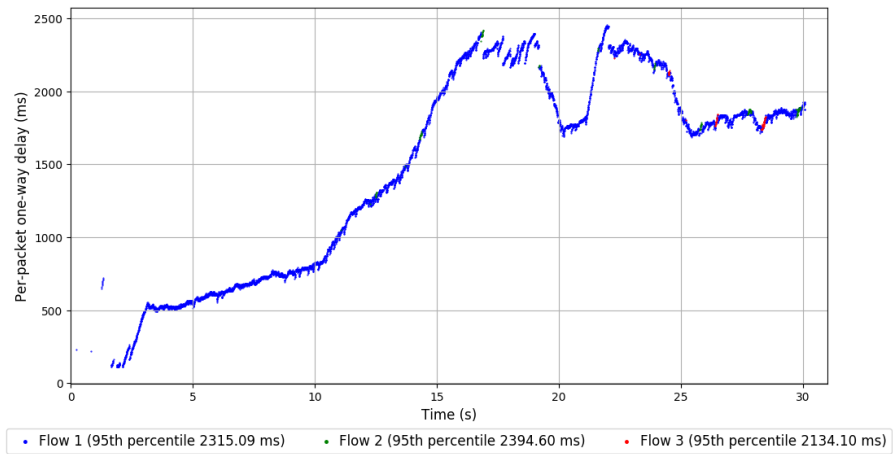
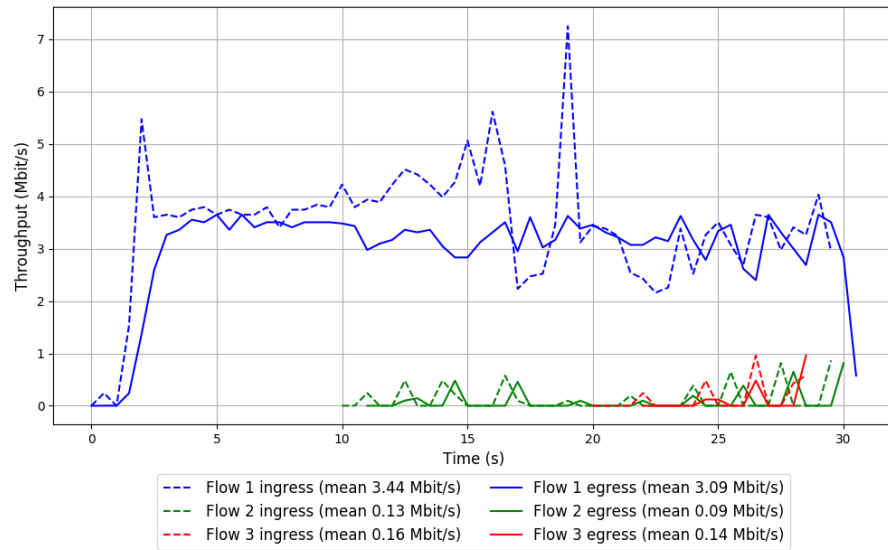
-- Flow 3:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 2134.101 ms

Loss rate: 37.42%

Run 1: Report of TCP Cubic — Data Link

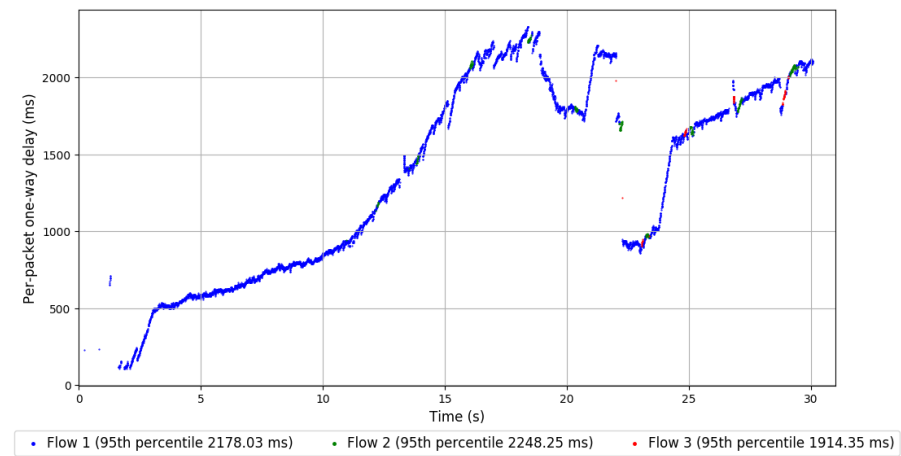
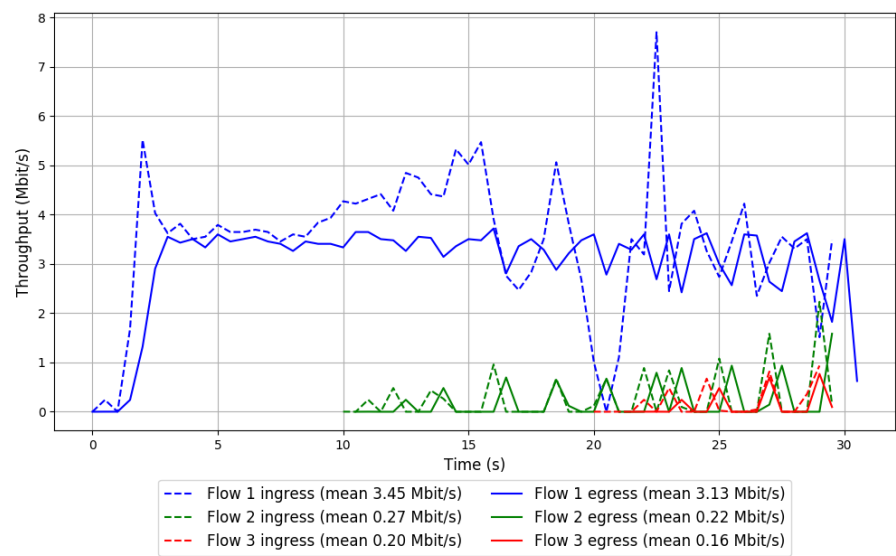


Run 2: Statistics of TCP Cubic

Start at: 2018-05-24 09:37:45
End at: 2018-05-24 09:38:15
Local clock offset: -2.89 ms
Remote clock offset: 13.416 ms

Below is generated by plot.py at 2018-05-24 12:25:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.30 Mbit/s
95th percentile per-packet one-way delay: 2178.463 ms
Loss rate: 10.83%
-- Flow 1:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 2178.026 ms
Loss rate: 9.71%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2248.252 ms
Loss rate: 23.98%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 1914.349 ms
Loss rate: 36.18%

Run 2: Report of TCP Cubic — Data Link

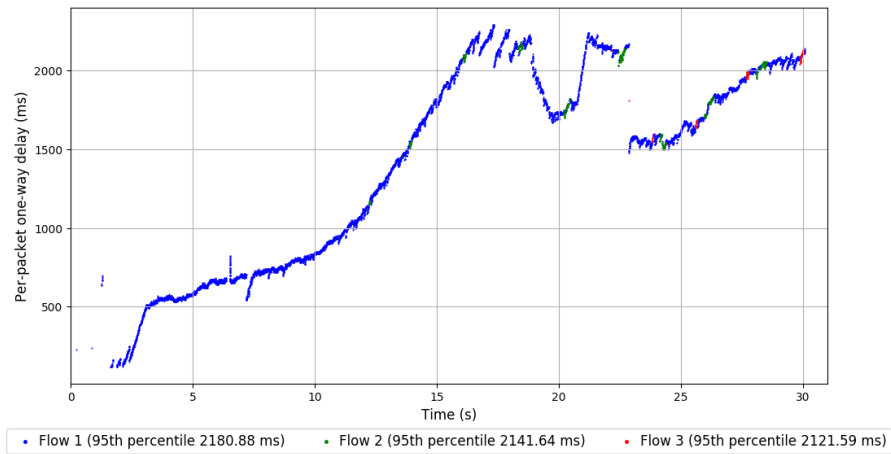
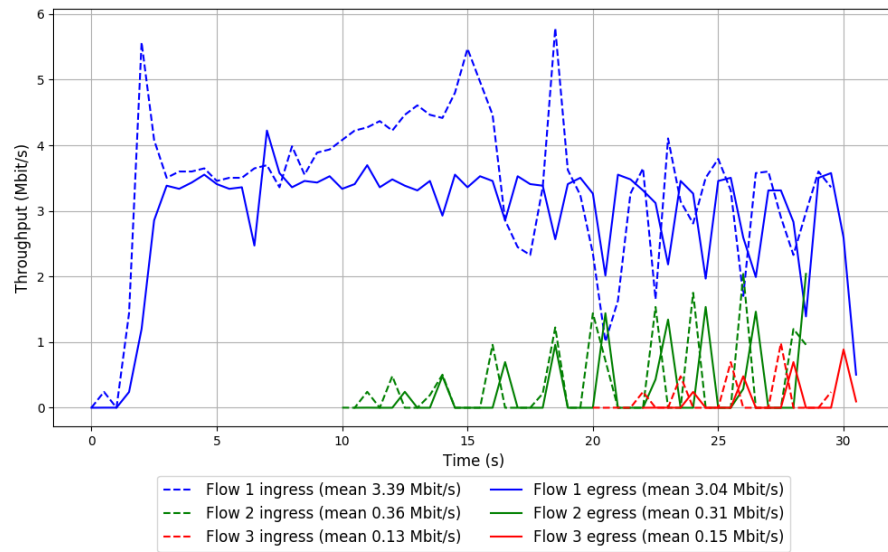


Run 3: Statistics of TCP Cubic

Start at: 2018-05-24 09:56:55
End at: 2018-05-24 09:57:25
Local clock offset: -2.034 ms
Remote clock offset: 14.962 ms

Below is generated by plot.py at 2018-05-24 12:25:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.26 Mbit/s
95th percentile per-packet one-way delay: 2180.658 ms
Loss rate: 11.17%
-- Flow 1:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 2180.875 ms
Loss rate: 10.69%
-- Flow 2:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 2141.639 ms
Loss rate: 18.89%
-- Flow 3:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 2121.586 ms
Loss rate: 9.07%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-05-24 10:16:04

End at: 2018-05-24 10:16:34

Local clock offset: -3.532 ms

Remote clock offset: 11.54 ms

Below is generated by plot.py at 2018-05-24 12:25:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.25 Mbit/s

95th percentile per-packet one-way delay: 2236.685 ms

Loss rate: 11.56%

-- Flow 1:

Average throughput: 3.18 Mbit/s

95th percentile per-packet one-way delay: 2236.584 ms

Loss rate: 10.86%

-- Flow 2:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 2305.666 ms

Loss rate: 37.17%

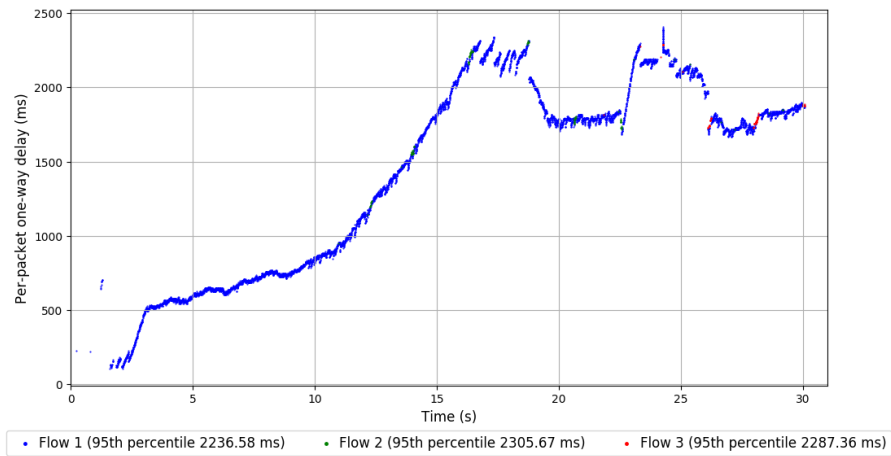
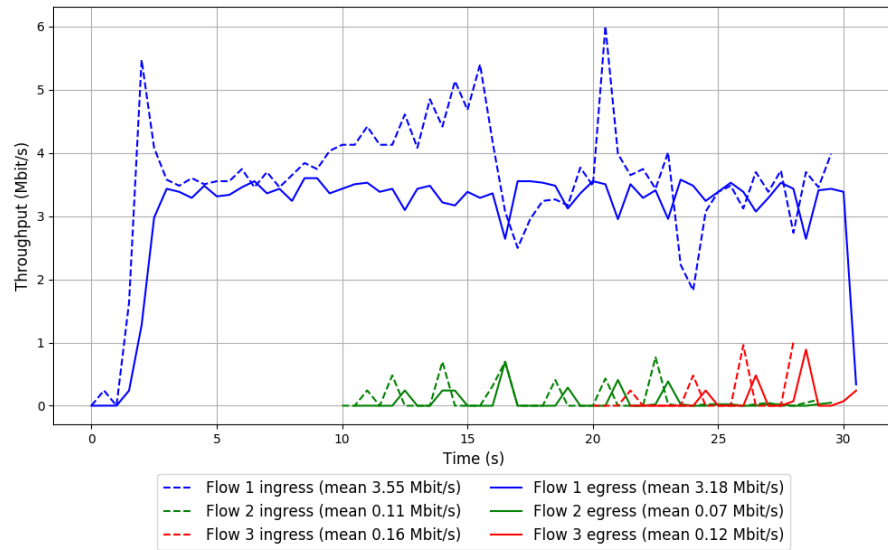
-- Flow 3:

Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 2287.358 ms

Loss rate: 25.84%

Run 4: Report of TCP Cubic — Data Link

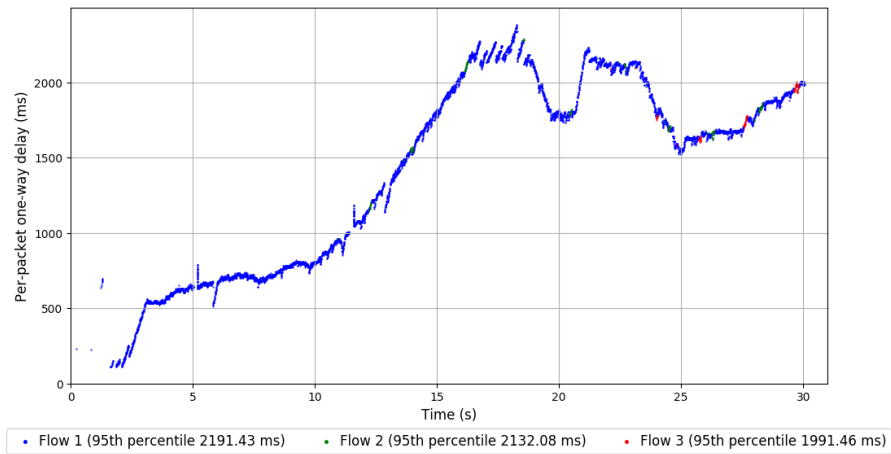
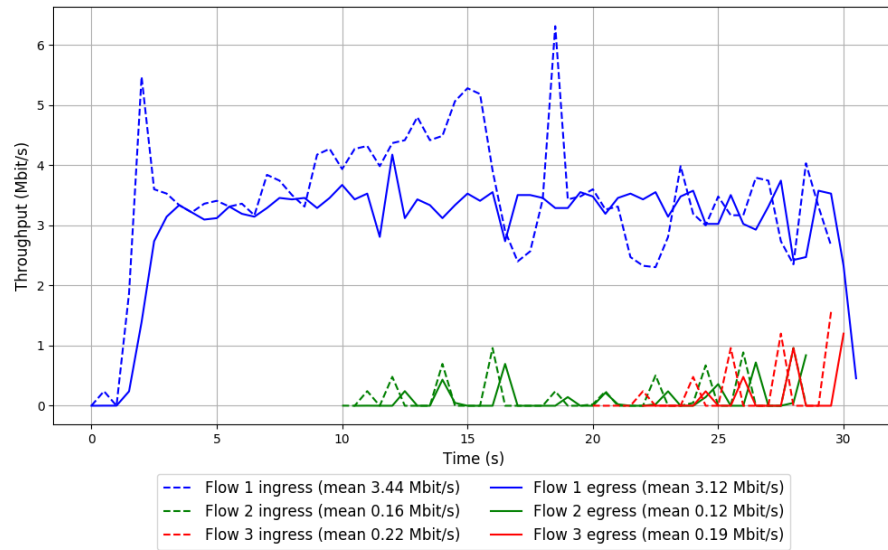


Run 5: Statistics of TCP Cubic

Start at: 2018-05-24 10:35:13
End at: 2018-05-24 10:35:43
Local clock offset: -2.845 ms
Remote clock offset: 14.551 ms

Below is generated by plot.py at 2018-05-24 12:25:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.24 Mbit/s
95th percentile per-packet one-way delay: 2191.333 ms
Loss rate: 10.84%
-- Flow 1:
Average throughput: 3.12 Mbit/s
95th percentile per-packet one-way delay: 2191.435 ms
Loss rate: 9.76%
-- Flow 2:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 2132.076 ms
Loss rate: 30.09%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 1991.457 ms
Loss rate: 35.09%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-05-24 10:54:24

End at: 2018-05-24 10:54:54

Local clock offset: -2.983 ms

Remote clock offset: 14.62 ms

Below is generated by plot.py at 2018-05-24 12:25:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.93 Mbit/s

95th percentile per-packet one-way delay: 2554.221 ms

Loss rate: 11.11%

-- Flow 1:

Average throughput: 2.88 Mbit/s

95th percentile per-packet one-way delay: 2554.307 ms

Loss rate: 10.64%

-- Flow 2:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 2434.026 ms

Loss rate: 28.26%

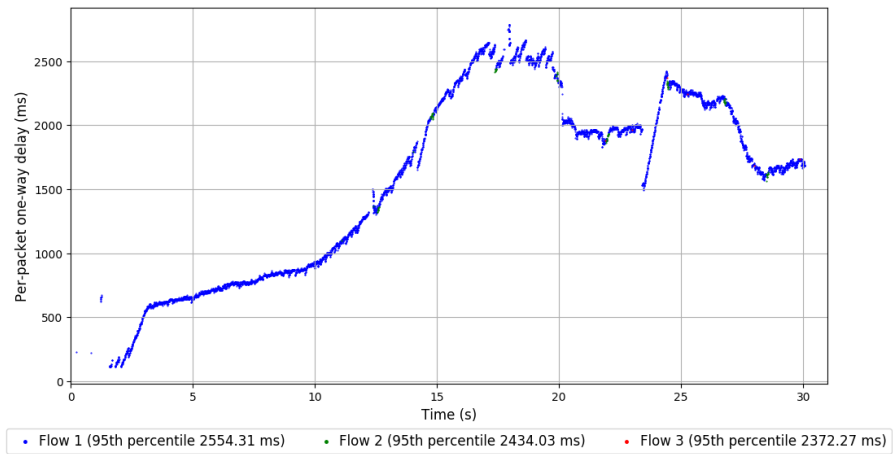
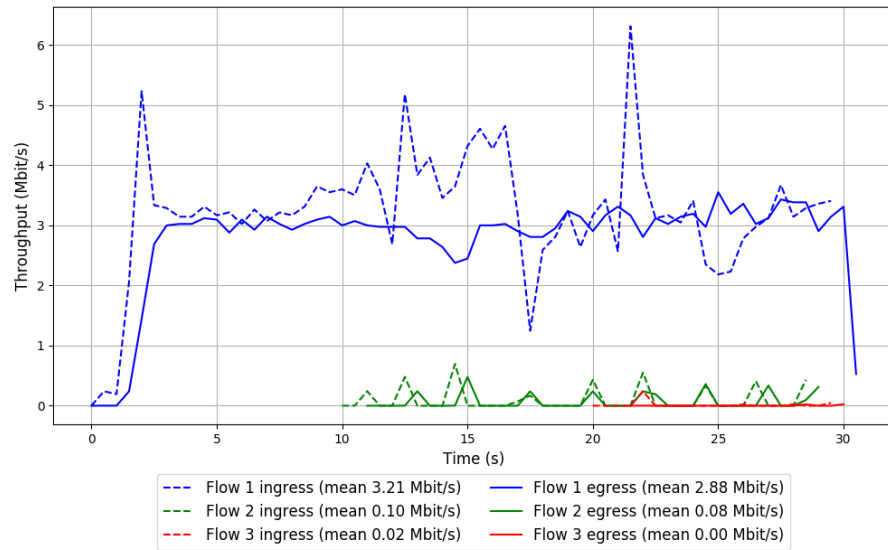
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2372.271 ms

Loss rate: 84.24%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-05-24 11:13:34

End at: 2018-05-24 11:14:04

Local clock offset: -1.773 ms

Remote clock offset: 7.82 ms

Below is generated by plot.py at 2018-05-24 12:25:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.71 Mbit/s

95th percentile per-packet one-way delay: 3061.204 ms

Loss rate: 12.61%

-- Flow 1:

Average throughput: 2.56 Mbit/s

95th percentile per-packet one-way delay: 3021.792 ms

Loss rate: 12.31%

-- Flow 2:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 3391.558 ms

Loss rate: 14.91%

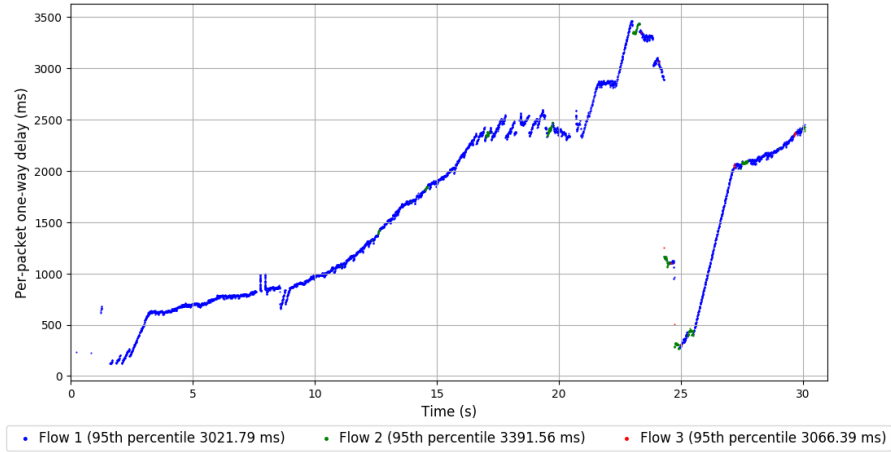
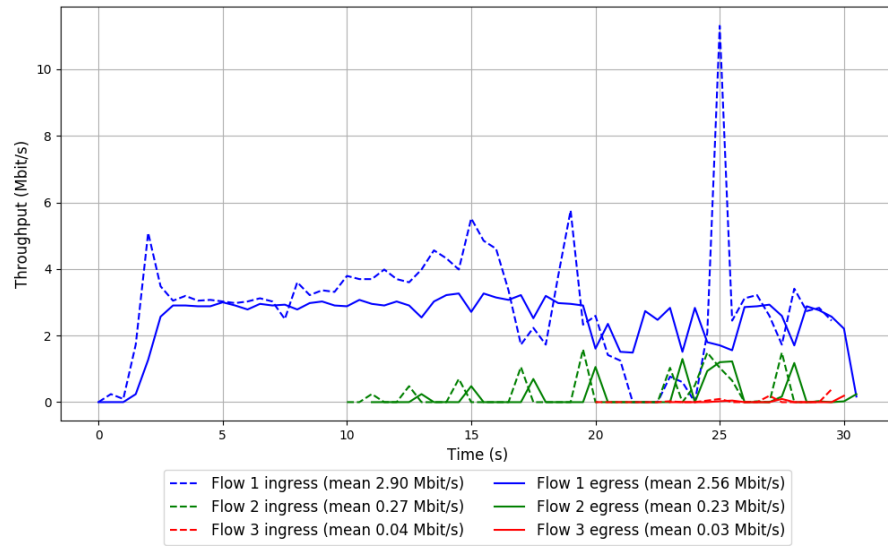
-- Flow 3:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 3066.394 ms

Loss rate: 51.10%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-05-24 11:32:42

End at: 2018-05-24 11:33:12

Local clock offset: -2.04 ms

Remote clock offset: 5.265 ms

Below is generated by plot.py at 2018-05-24 12:25:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.63 Mbit/s

95th percentile per-packet one-way delay: 2698.863 ms

Loss rate: 12.38%

-- Flow 1:

Average throughput: 2.53 Mbit/s

95th percentile per-packet one-way delay: 2707.881 ms

Loss rate: 11.39%

-- Flow 2:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 2624.285 ms

Loss rate: 29.58%

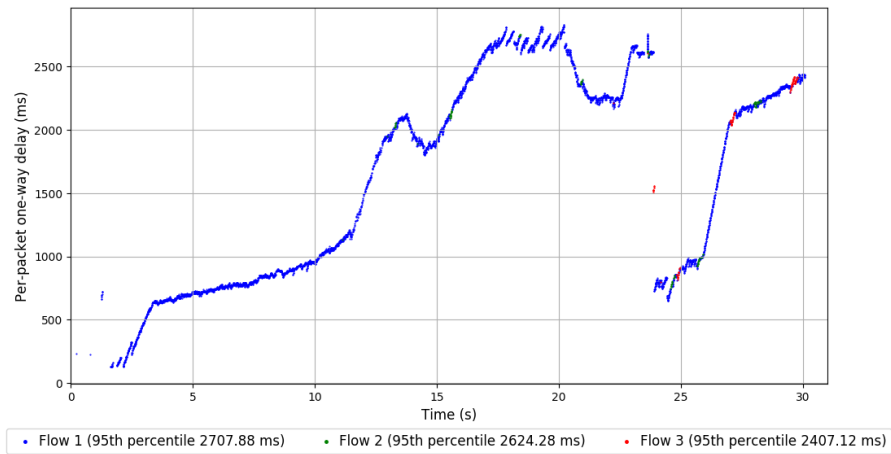
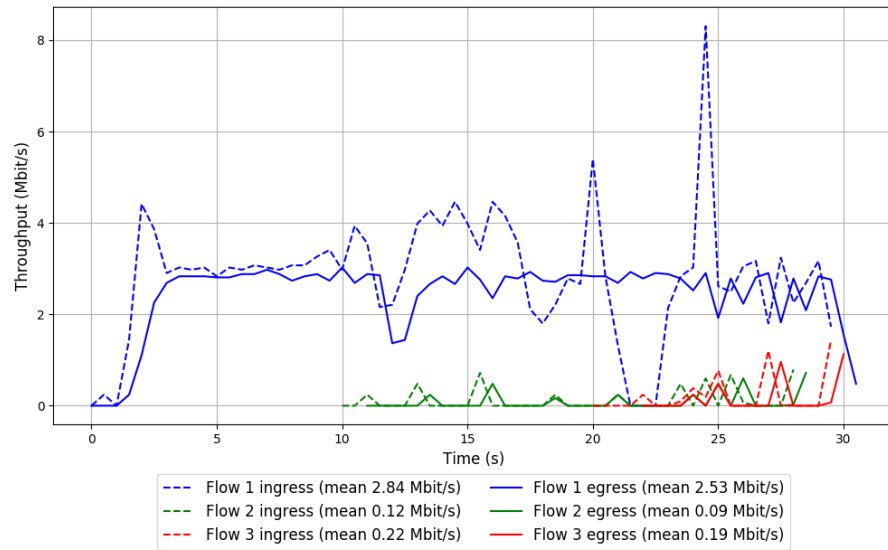
-- Flow 3:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 2407.121 ms

Loss rate: 33.29%

Run 8: Report of TCP Cubic — Data Link

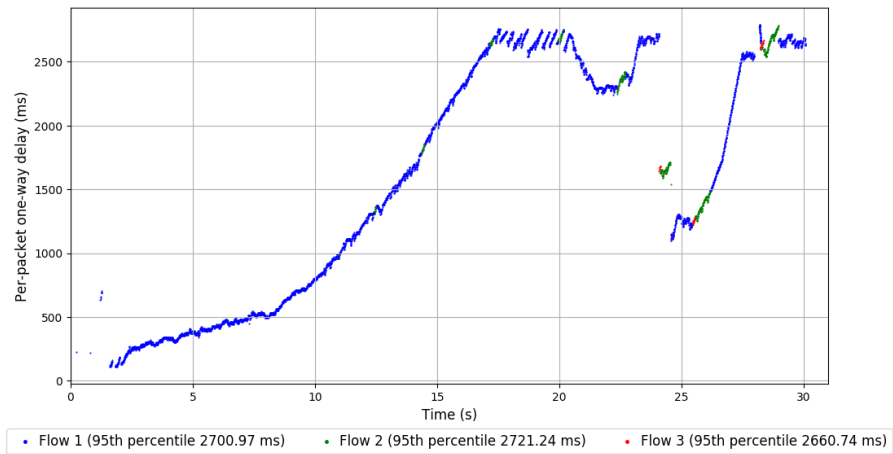
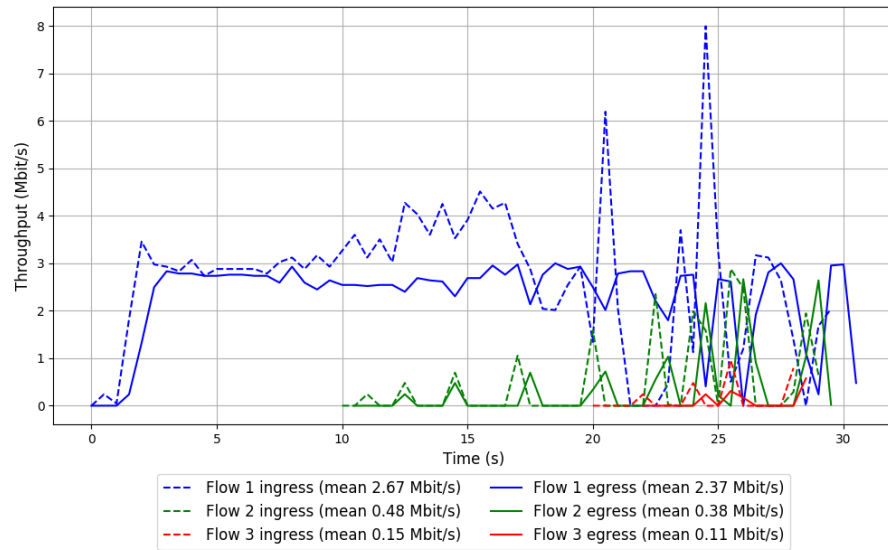


Run 9: Statistics of TCP Cubic

Start at: 2018-05-24 11:51:51
End at: 2018-05-24 11:52:21
Local clock offset: -0.215 ms
Remote clock offset: 10.314 ms

Below is generated by plot.py at 2018-05-24 12:25:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 2701.390 ms
Loss rate: 13.49%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 2700.973 ms
Loss rate: 11.67%
-- Flow 2:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 2721.244 ms
Loss rate: 24.86%
-- Flow 3:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 2660.735 ms
Loss rate: 47.46%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-24 12:11:02

End at: 2018-05-24 12:11:32

Local clock offset: -2.908 ms

Remote clock offset: 9.883 ms

Below is generated by plot.py at 2018-05-24 12:25:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 4986.370 ms

Loss rate: 15.22%

-- Flow 1:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 4996.766 ms

Loss rate: 14.75%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 4806.731 ms

Loss rate: 33.51%

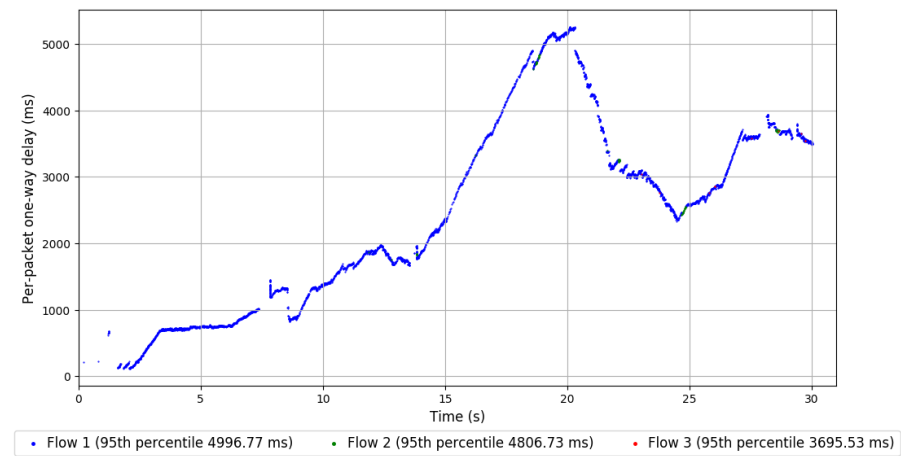
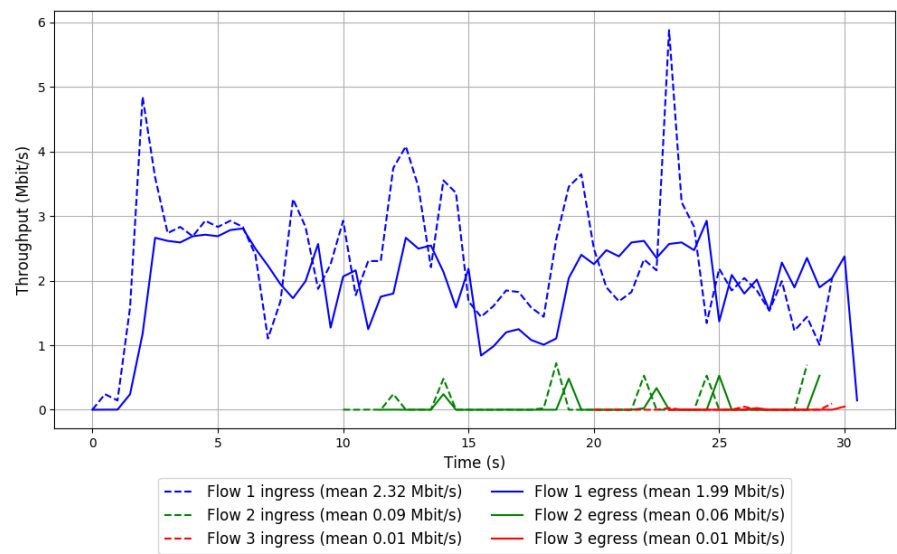
-- Flow 3:

Average throughput: 0.01 Mbit/s

95th percentile per-packet one-way delay: 3695.531 ms

Loss rate: 53.86%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-05-24 09:27:00

End at: 2018-05-24 09:27:30

Local clock offset: -3.166 ms

Remote clock offset: 8.521 ms

Below is generated by plot.py at 2018-05-24 12:25:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.99 Mbit/s

95th percentile per-packet one-way delay: 2217.856 ms

Loss rate: 71.97%

-- Flow 1:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 2180.802 ms

Loss rate: 68.68%

-- Flow 2:

Average throughput: 1.03 Mbit/s

95th percentile per-packet one-way delay: 2227.180 ms

Loss rate: 67.79%

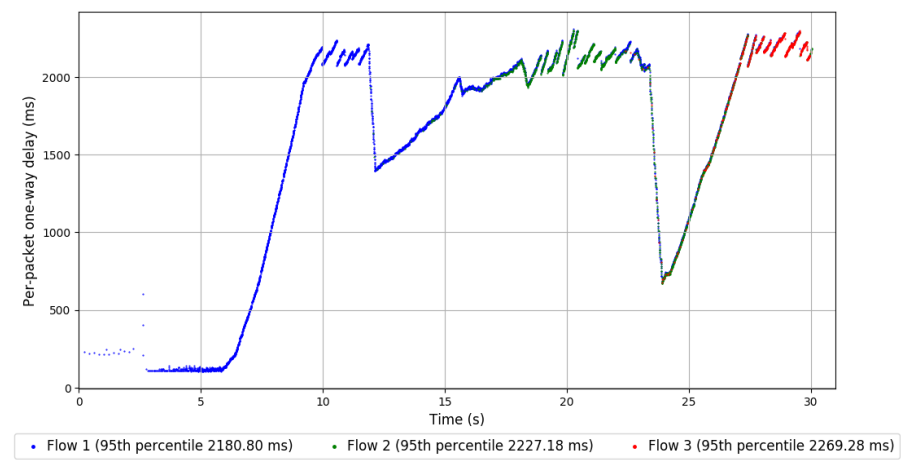
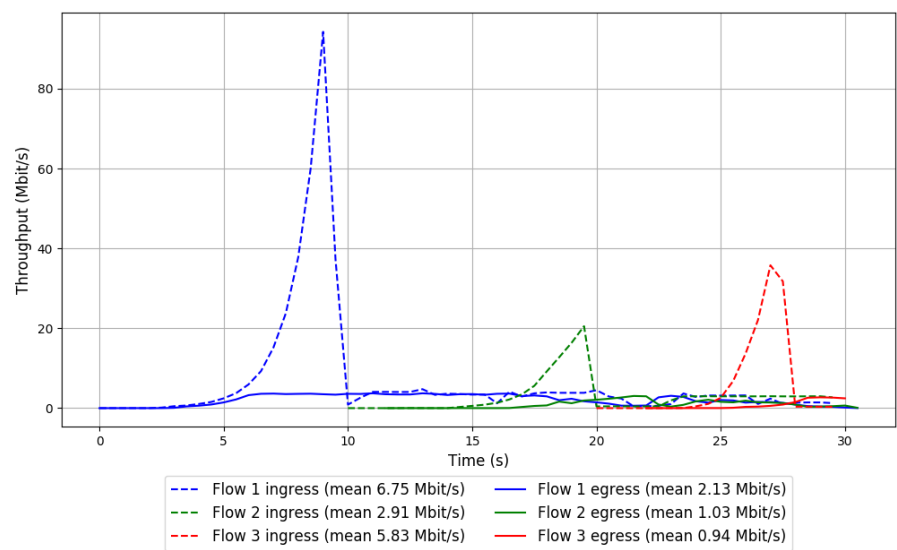
-- Flow 3:

Average throughput: 0.94 Mbit/s

95th percentile per-packet one-way delay: 2269.280 ms

Loss rate: 87.65%

Run 1: Report of FillP — Data Link

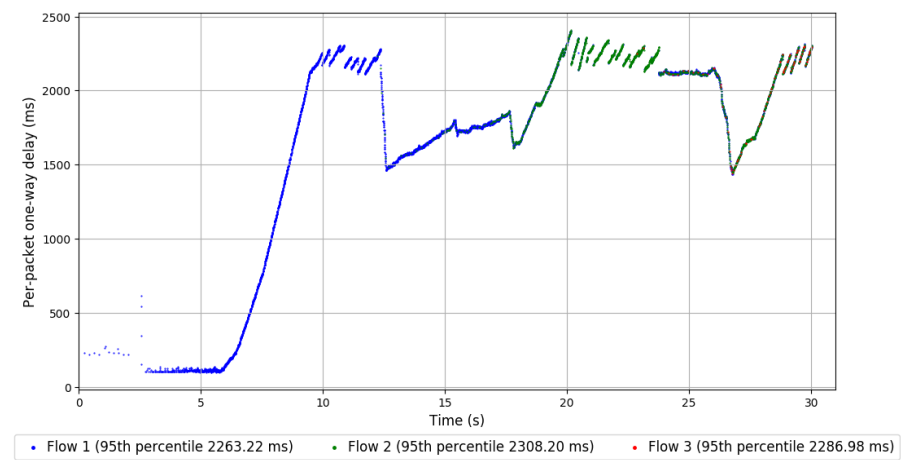
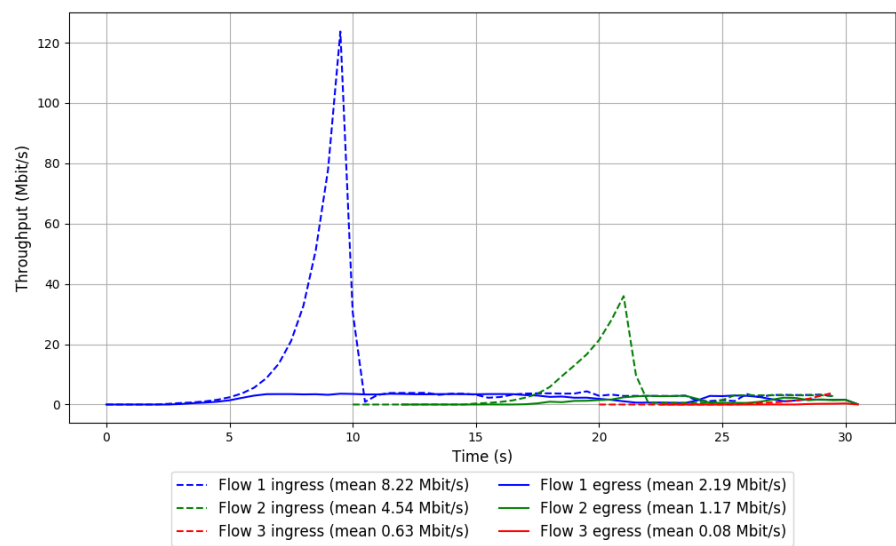


Run 2: Statistics of FillP

Start at: 2018-05-24 09:46:09
End at: 2018-05-24 09:46:39
Local clock offset: -2.058 ms
Remote clock offset: 15.436 ms

Below is generated by plot.py at 2018-05-24 12:25:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 2281.556 ms
Loss rate: 74.70%
-- Flow 1:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 2263.215 ms
Loss rate: 73.45%
-- Flow 2:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 2308.196 ms
Loss rate: 77.00%
-- Flow 3:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 2286.984 ms
Loss rate: 90.52%

Run 2: Report of FillP — Data Link

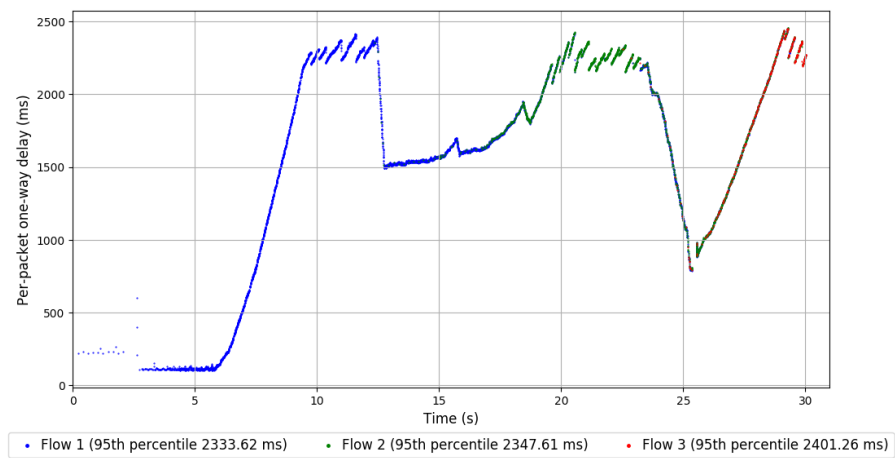
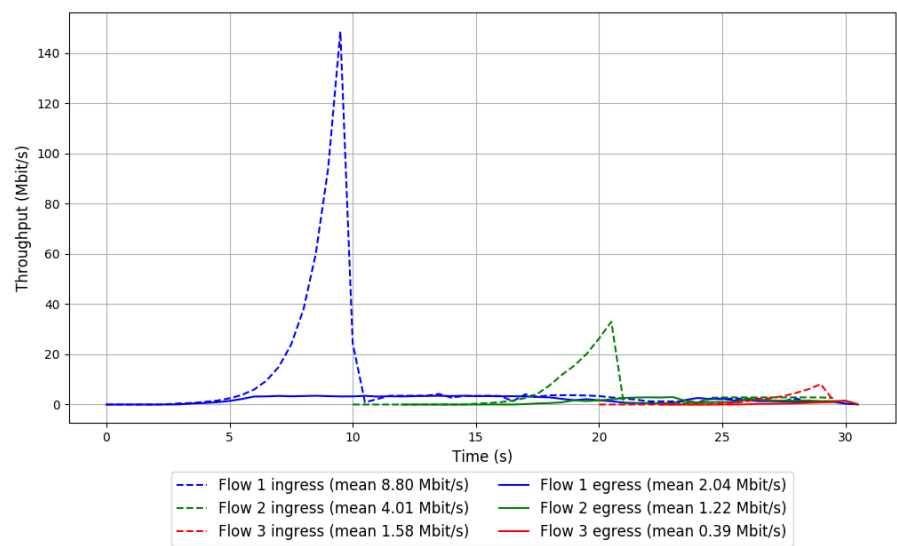


Run 3: Statistics of FillP

Start at: 2018-05-24 10:05:18
End at: 2018-05-24 10:05:48
Local clock offset: -1.977 ms
Remote clock offset: 15.679 ms

Below is generated by plot.py at 2018-05-24 12:25:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.86 Mbit/s
95th percentile per-packet one-way delay: 2343.079 ms
Loss rate: 76.25%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 2333.620 ms
Loss rate: 76.90%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 2347.605 ms
Loss rate: 73.10%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 2401.263 ms
Loss rate: 81.38%

Run 3: Report of FillP — Data Link

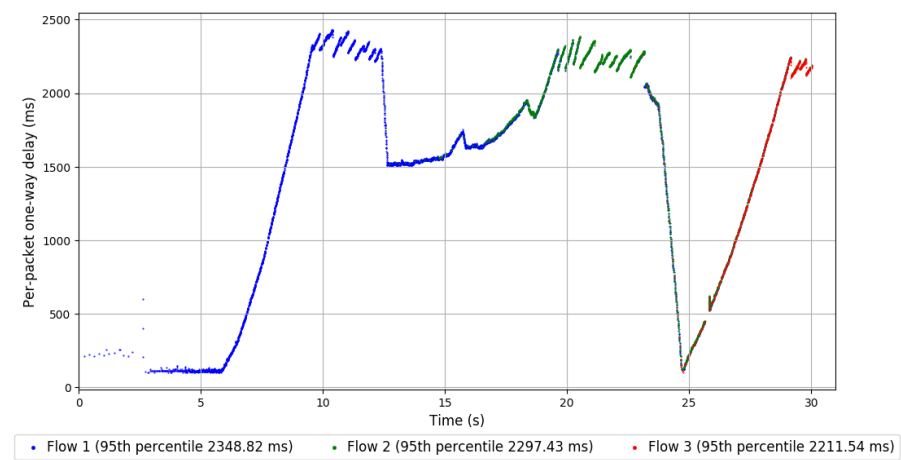
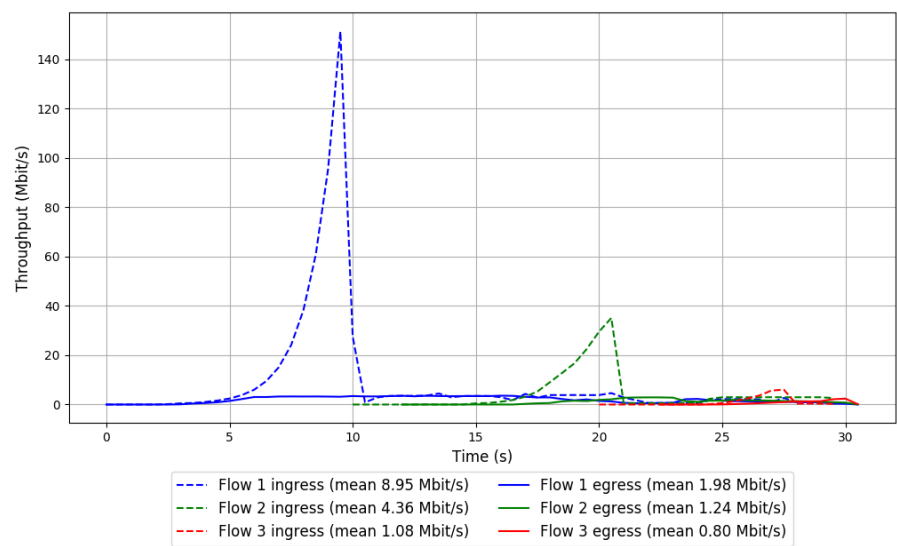


Run 4: Statistics of FillP

Start at: 2018-05-24 10:24:28
End at: 2018-05-24 10:24:58
Local clock offset: -2.827 ms
Remote clock offset: 15.839 ms

Below is generated by plot.py at 2018-05-24 12:25:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.90 Mbit/s
95th percentile per-packet one-way delay: 2332.808 ms
Loss rate: 76.35%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 2348.821 ms
Loss rate: 78.02%
-- Flow 2:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 2297.425 ms
Loss rate: 74.92%
-- Flow 3:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 2211.540 ms
Loss rate: 45.92%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-05-24 10:43:37

End at: 2018-05-24 10:44:07

Local clock offset: -2.888 ms

Remote clock offset: 9.755 ms

Below is generated by plot.py at 2018-05-24 12:25:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.84 Mbit/s

95th percentile per-packet one-way delay: 2346.646 ms

Loss rate: 83.16%

-- Flow 1:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 2307.255 ms

Loss rate: 75.67%

-- Flow 2:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 2378.776 ms

Loss rate: 91.24%

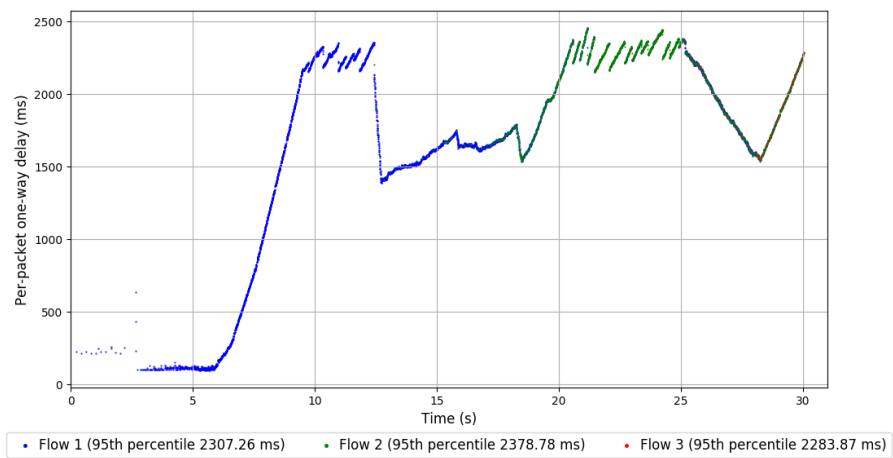
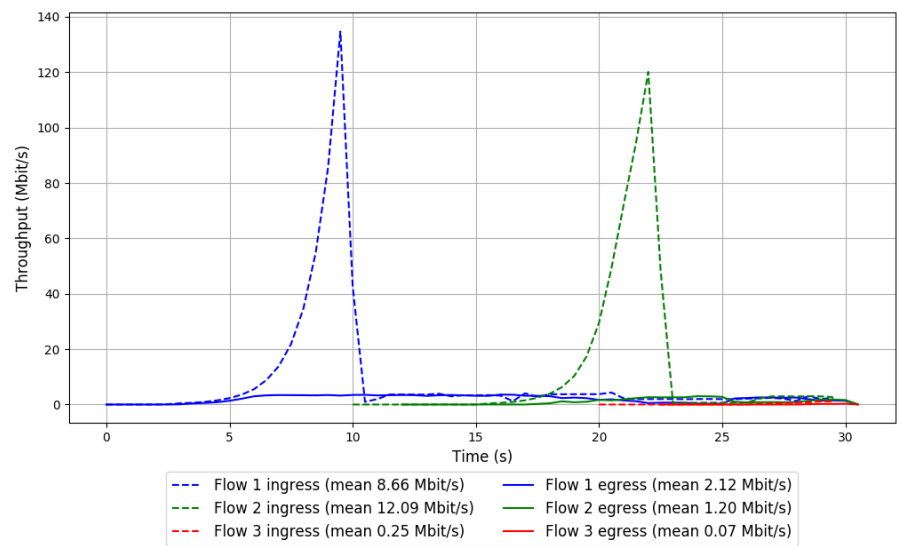
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 2283.867 ms

Loss rate: 81.05%

Run 5: Report of FillP — Data Link

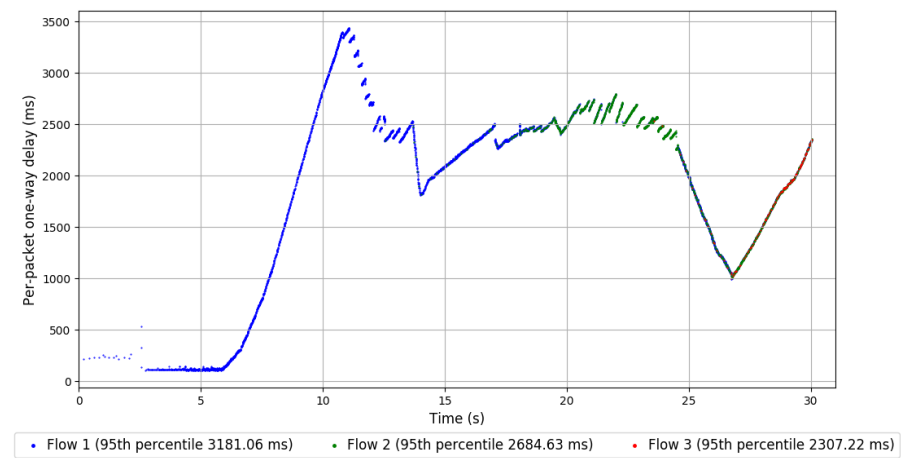
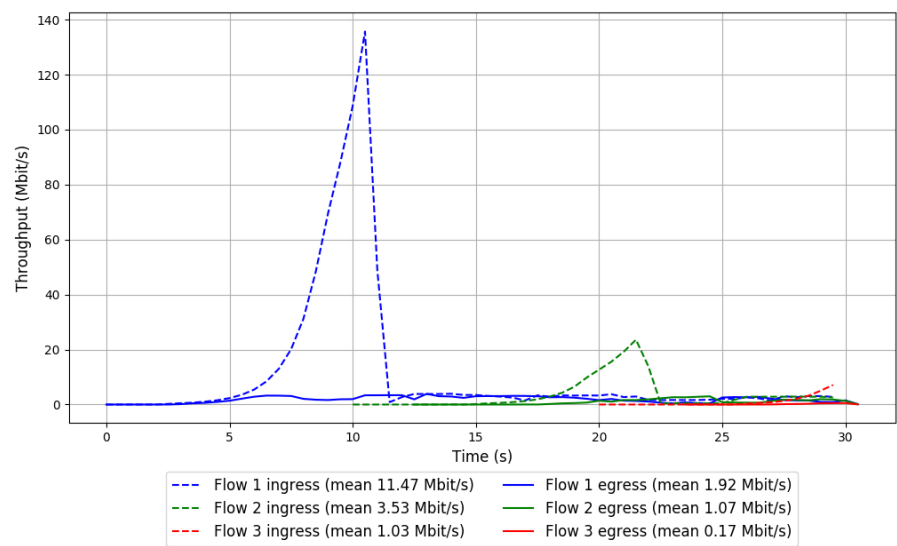


Run 6: Statistics of FillP

Start at: 2018-05-24 11:02:48
End at: 2018-05-24 11:03:18
Local clock offset: -2.286 ms
Remote clock offset: 10.931 ms

Below is generated by plot.py at 2018-05-24 12:25:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.59 Mbit/s
95th percentile per-packet one-way delay: 3073.490 ms
Loss rate: 81.81%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 3181.057 ms
Loss rate: 83.29%
-- Flow 2:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: 2684.630 ms
Loss rate: 73.51%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 2307.220 ms
Loss rate: 89.02%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-05-24 11:21:57

End at: 2018-05-24 11:22:27

Local clock offset: -1.481 ms

Remote clock offset: 2.617 ms

Below is generated by plot.py at 2018-05-24 12:25:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 3294.253 ms

Loss rate: 77.46%

-- Flow 1:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 3288.843 ms

Loss rate: 78.89%

-- Flow 2:

Average throughput: 0.64 Mbit/s

95th percentile per-packet one-way delay: 3297.620 ms

Loss rate: 66.43%

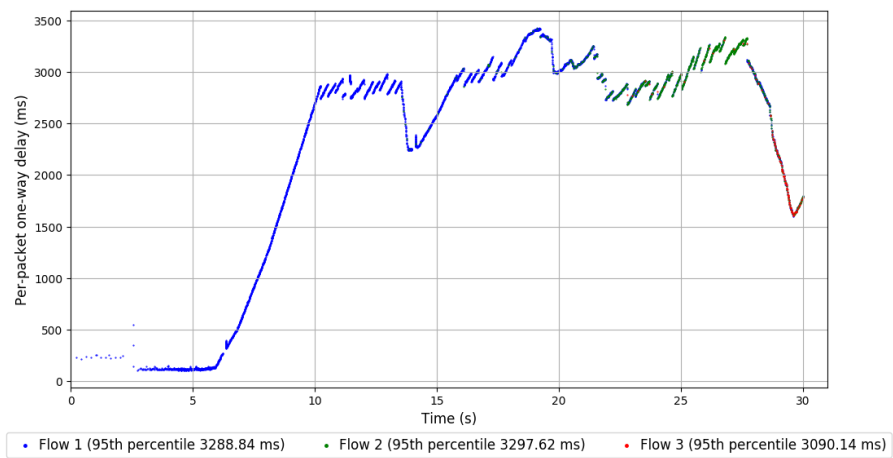
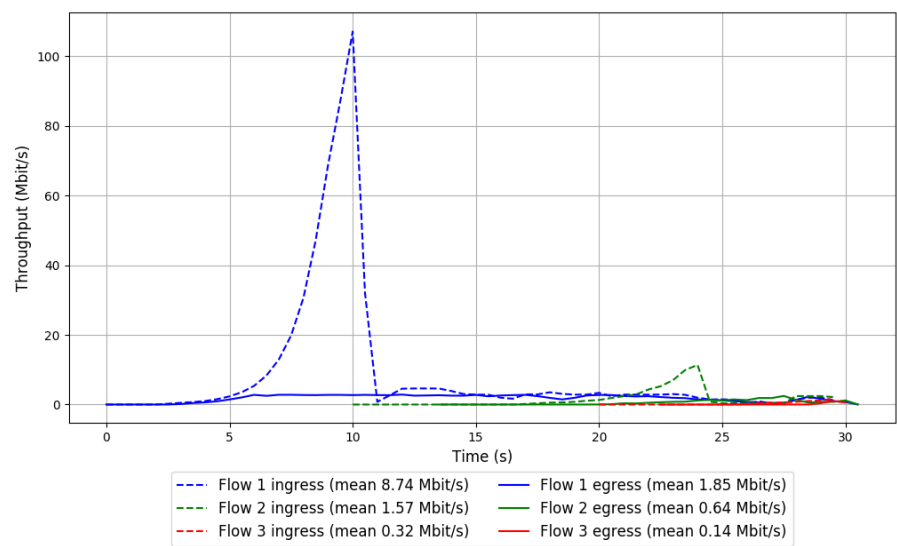
-- Flow 3:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 3090.144 ms

Loss rate: 67.81%

Run 7: Report of FillP — Data Link

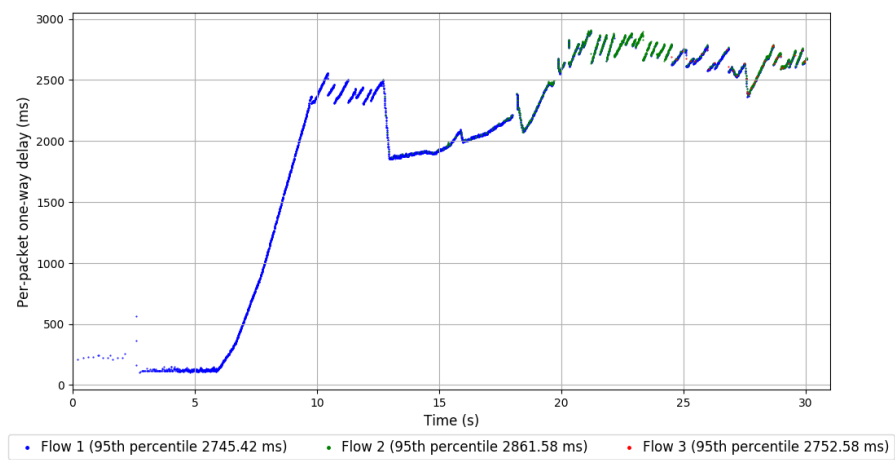
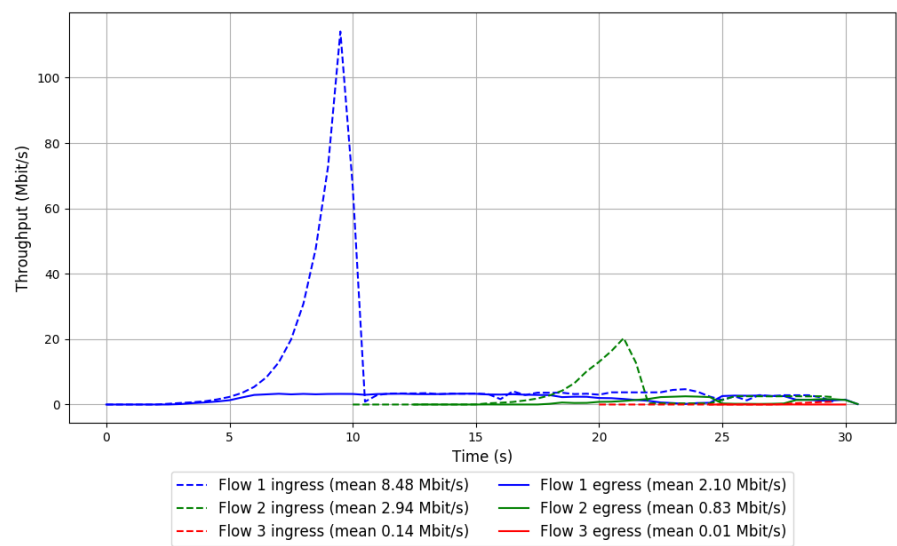


Run 8: Statistics of FillP

Start at: 2018-05-24 11:41:06
End at: 2018-05-24 11:41:36
Local clock offset: -1.14 ms
Remote clock offset: 10.549 ms

Below is generated by plot.py at 2018-05-24 12:25:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 2805.485 ms
Loss rate: 75.49%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 2745.423 ms
Loss rate: 75.38%
-- Flow 2:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 2861.578 ms
Loss rate: 75.40%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 2752.580 ms
Loss rate: 97.15%

Run 8: Report of FillP — Data Link

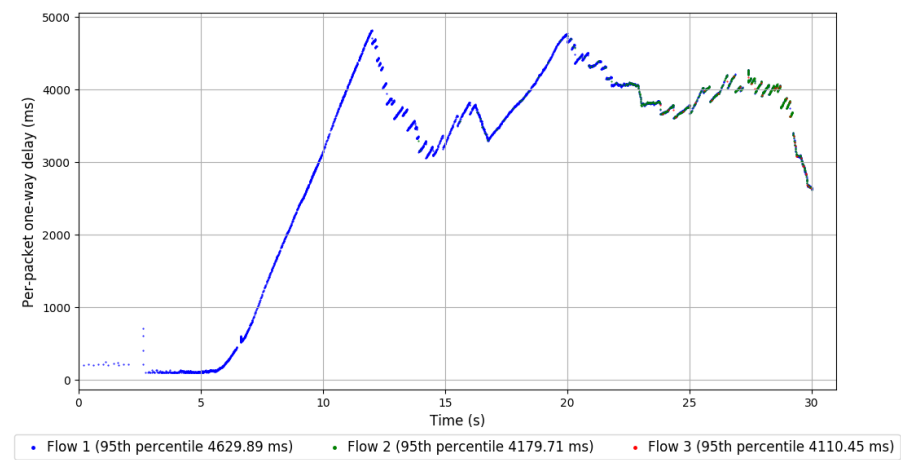
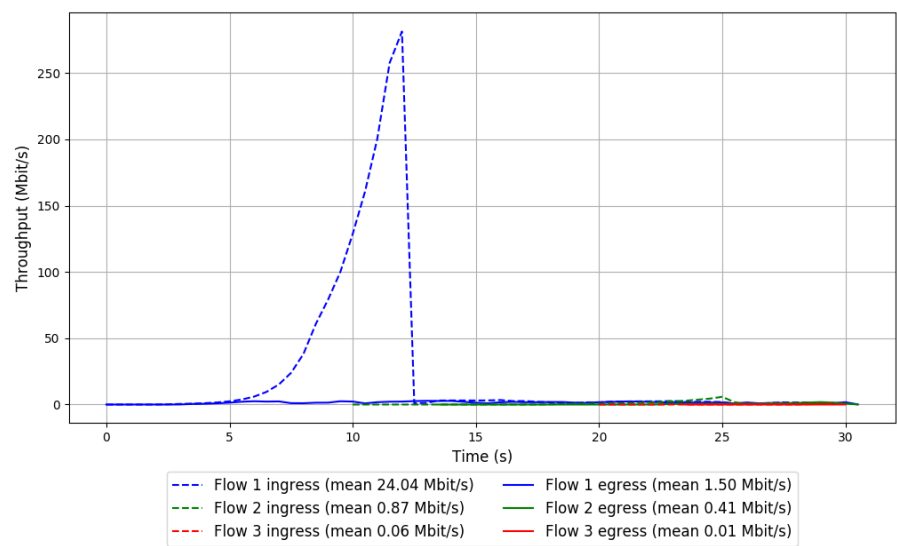


Run 9: Statistics of FillP

Start at: 2018-05-24 12:00:14
End at: 2018-05-24 12:00:44
Local clock offset: -1.029 ms
Remote clock offset: 12.623 ms

Below is generated by plot.py at 2018-05-24 12:25:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.72 Mbit/s
95th percentile per-packet one-way delay: 4593.031 ms
Loss rate: 93.04%
-- Flow 1:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 4629.889 ms
Loss rate: 93.79%
-- Flow 2:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 4179.714 ms
Loss rate: 61.70%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 4110.449 ms
Loss rate: 93.59%

Run 9: Report of FillP — Data Link

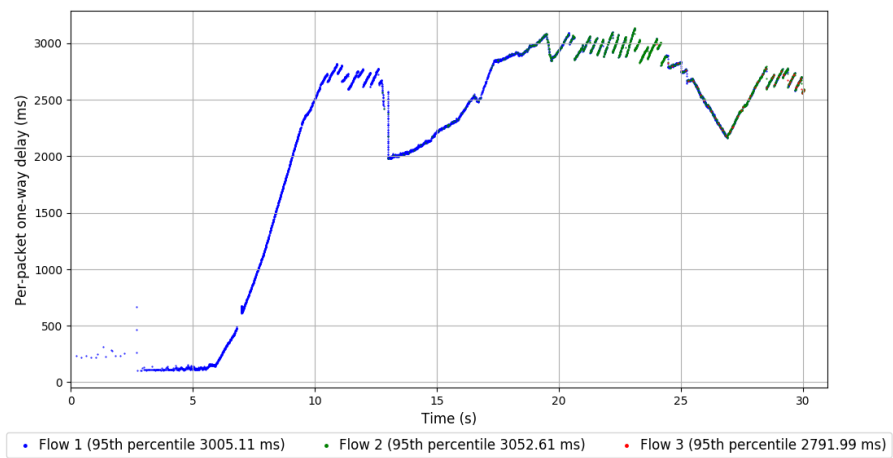
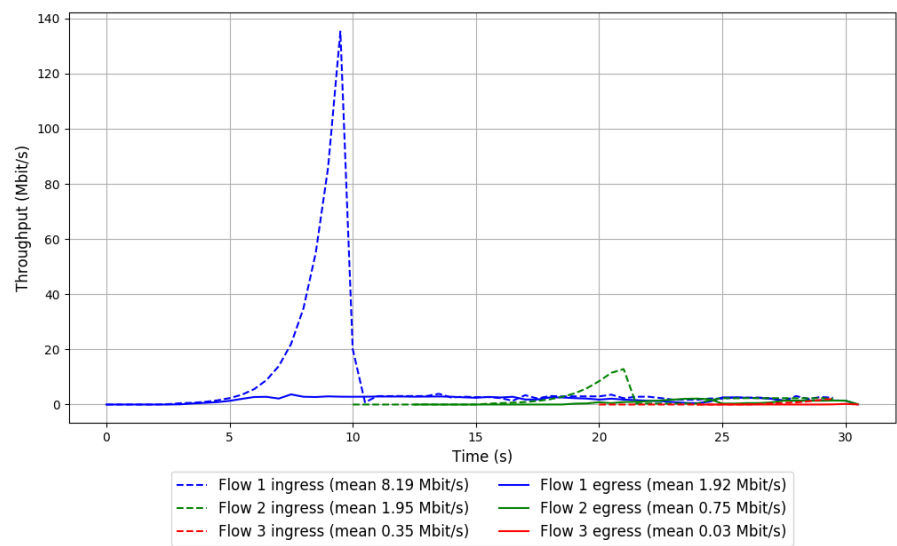


Run 10: Statistics of FillP

Start at: 2018-05-24 12:19:26
End at: 2018-05-24 12:19:56
Local clock offset: -2.56 ms
Remote clock offset: 10.567 ms

Below is generated by plot.py at 2018-05-24 12:25:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 3023.858 ms
Loss rate: 75.61%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 3005.107 ms
Loss rate: 76.74%
-- Flow 2:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 3052.613 ms
Loss rate: 66.84%
-- Flow 3:
Average throughput: 0.03 Mbit/s
95th percentile per-packet one-way delay: 2791.992 ms
Loss rate: 94.55%

Run 10: Report of FillP — Data Link

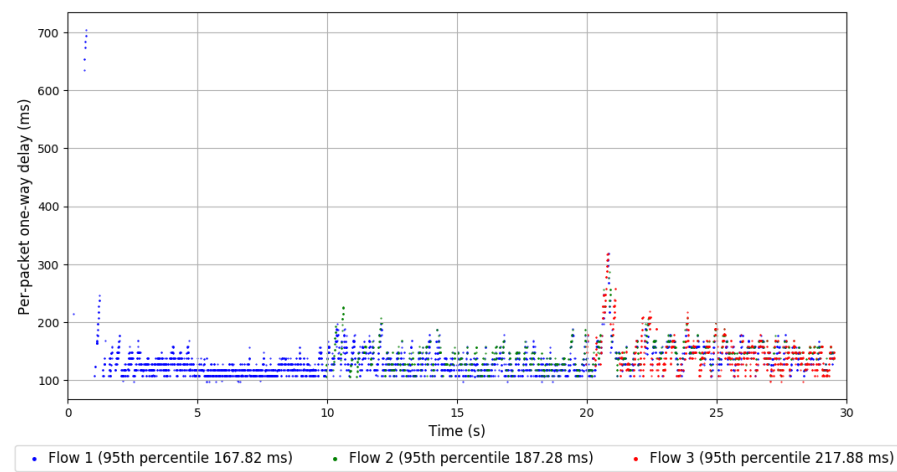
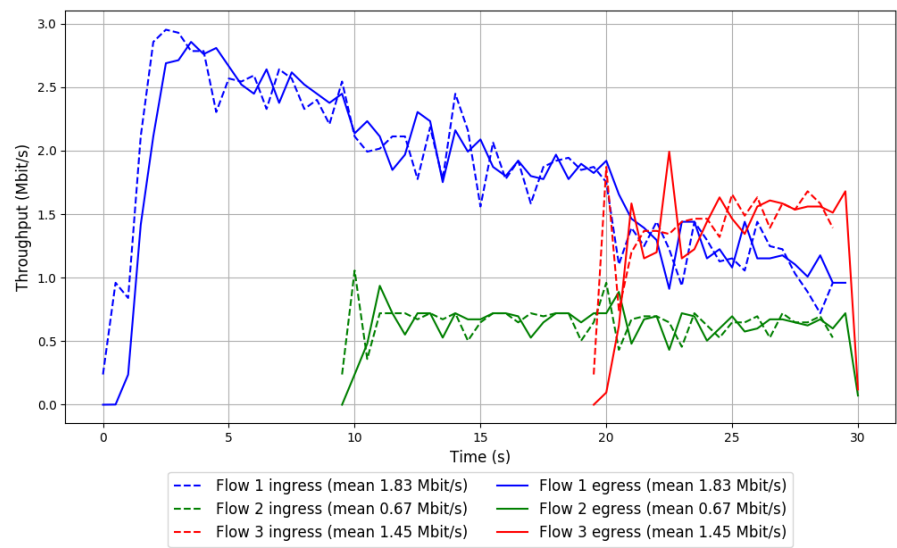


```
Run 1: Statistics of Indigo

Start at: 2018-05-24 09:16:12
End at: 2018-05-24 09:16:42
Local clock offset: -3.227 ms
Remote clock offset: 2.524 ms

# Below is generated by plot.py at 2018-05-24 12:25:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.74 Mbit/s
95th percentile per-packet one-way delay: 177.987 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 167.823 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 187.277 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 217.881 ms
Loss rate: 0.52%
```


Run 1: Report of Indigo — Data Link

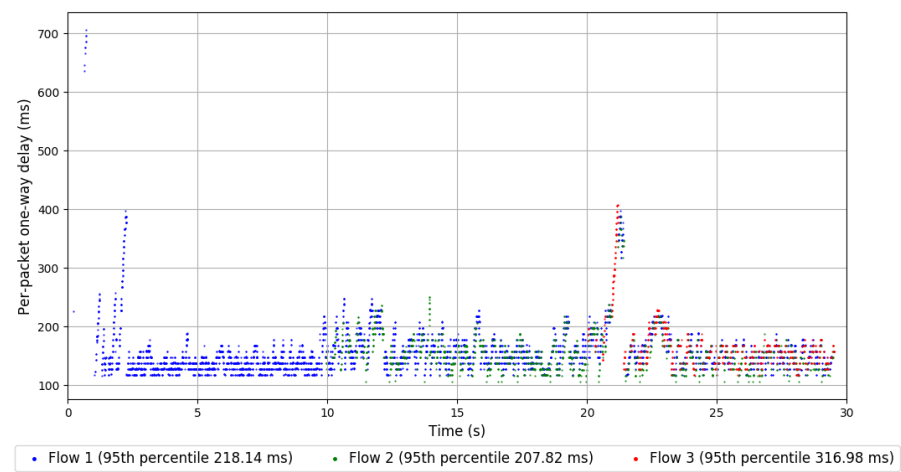
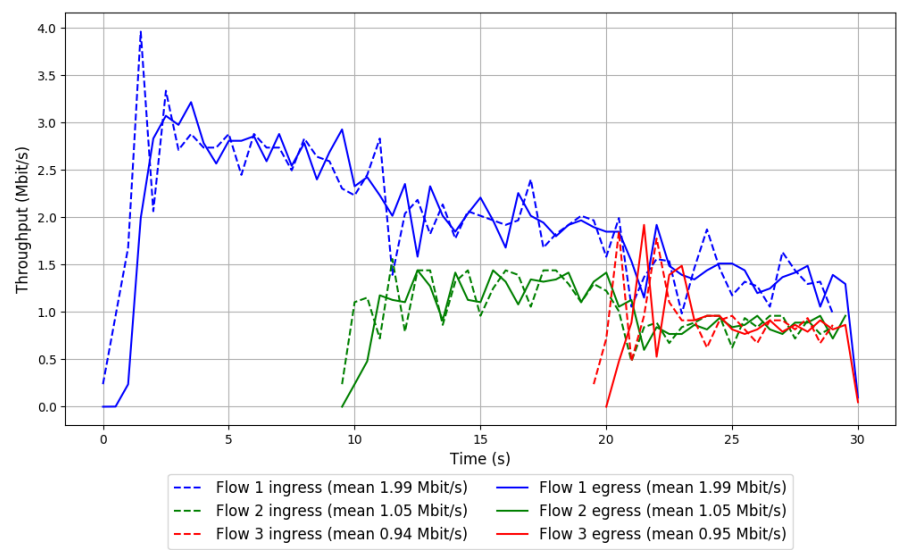


Run 2: Statistics of Indigo

Start at: 2018-05-24 09:35:21
End at: 2018-05-24 09:35:51
Local clock offset: -2.936 ms
Remote clock offset: 14.792 ms

Below is generated by plot.py at 2018-05-24 12:25:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.00 Mbit/s
95th percentile per-packet one-way delay: 218.416 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 218.136 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 207.818 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 316.978 ms
Loss rate: 0.66%

Run 2: Report of Indigo — Data Link

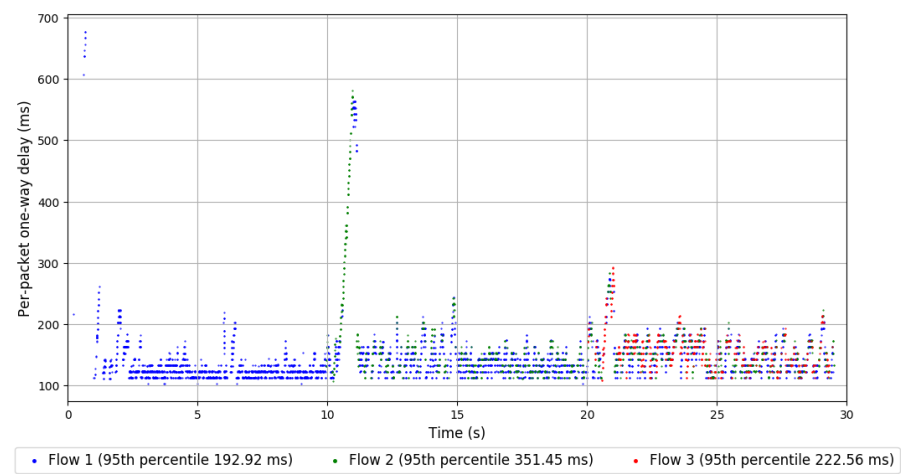
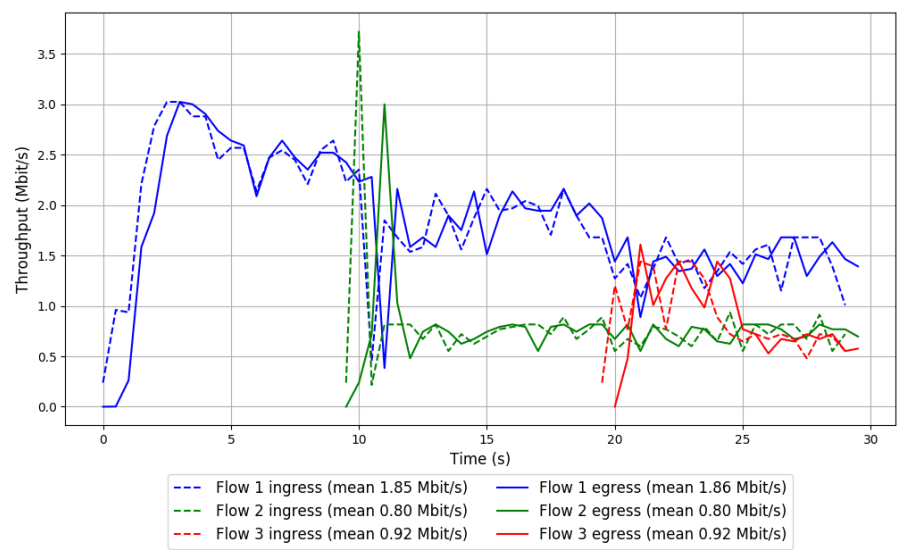


Run 3: Statistics of Indigo

Start at: 2018-05-24 09:54:30
End at: 2018-05-24 09:55:00
Local clock offset: -2.026 ms
Remote clock offset: 16.064 ms

Below is generated by plot.py at 2018-05-24 12:25:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.68 Mbit/s
95th percentile per-packet one-way delay: 212.785 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 192.922 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 351.450 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 0.92 Mbit/s
95th percentile per-packet one-way delay: 222.564 ms
Loss rate: 1.10%

Run 3: Report of Indigo — Data Link

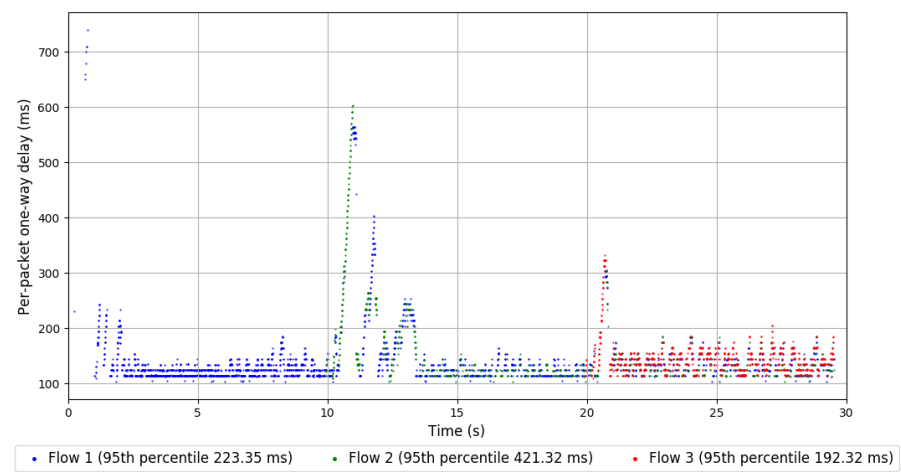
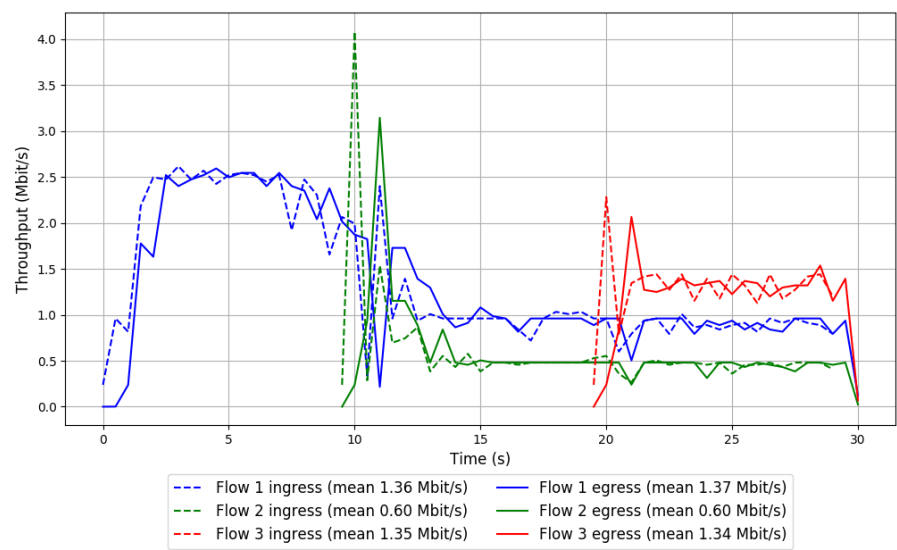


Run 4: Statistics of Indigo

Start at: 2018-05-24 10:13:40
End at: 2018-05-24 10:14:10
Local clock offset: -1.999 ms
Remote clock offset: 15.217 ms

Below is generated by plot.py at 2018-05-24 12:25:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 254.030 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 223.355 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 421.316 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 192.323 ms
Loss rate: 0.65%

Run 4: Report of Indigo — Data Link

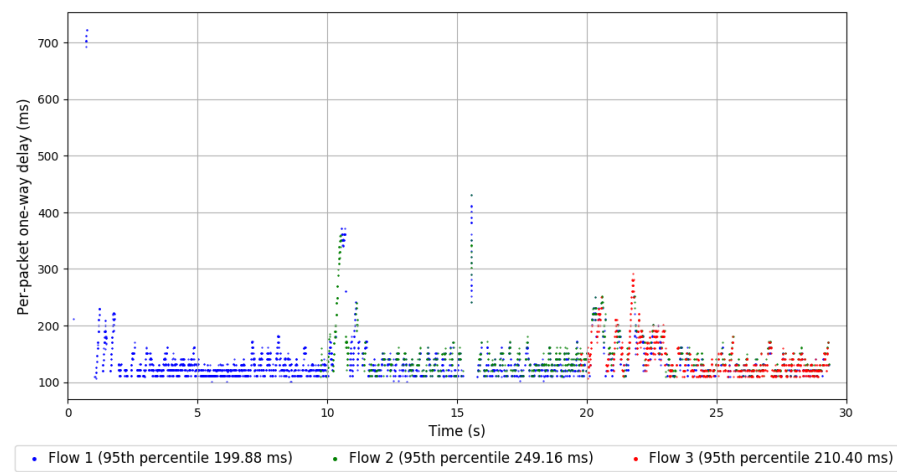
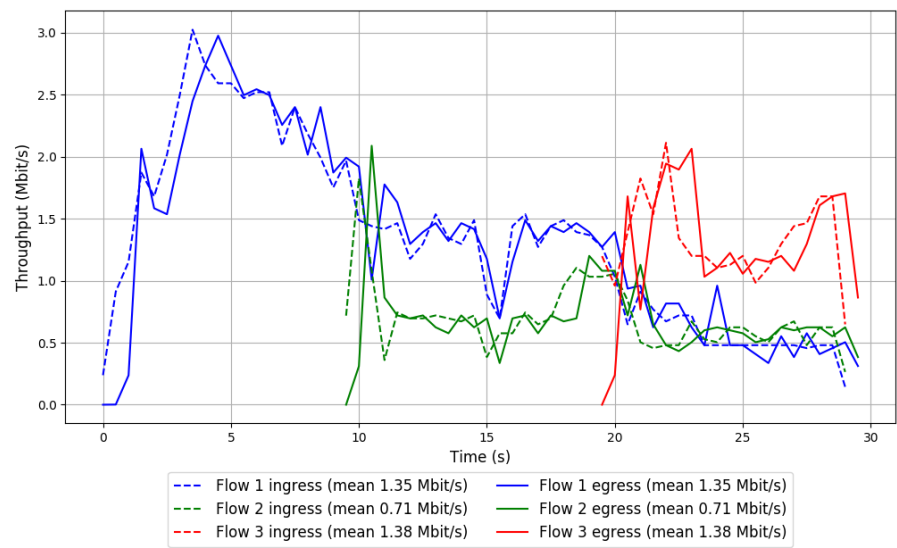


Run 5: Statistics of Indigo

Start at: 2018-05-24 10:32:49
End at: 2018-05-24 10:33:19
Local clock offset: -2.826 ms
Remote clock offset: 10.963 ms

Below is generated by plot.py at 2018-05-24 12:25:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 219.631 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 199.885 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 249.165 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 210.402 ms
Loss rate: 0.54%

Run 5: Report of Indigo — Data Link

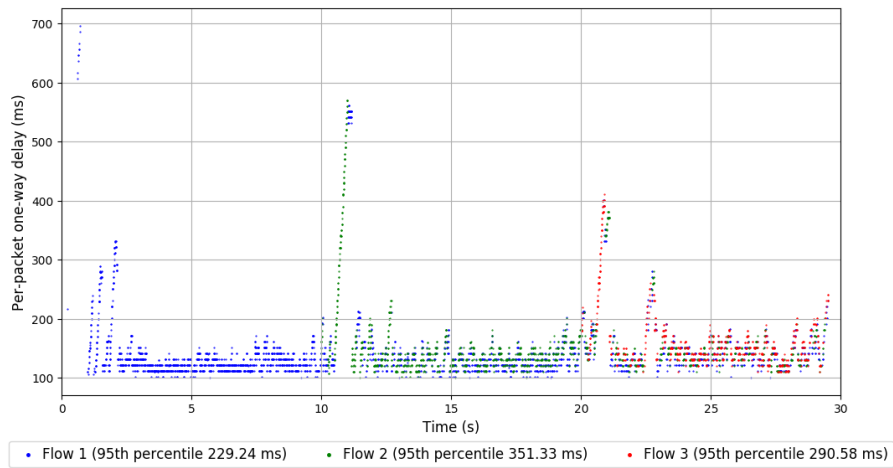
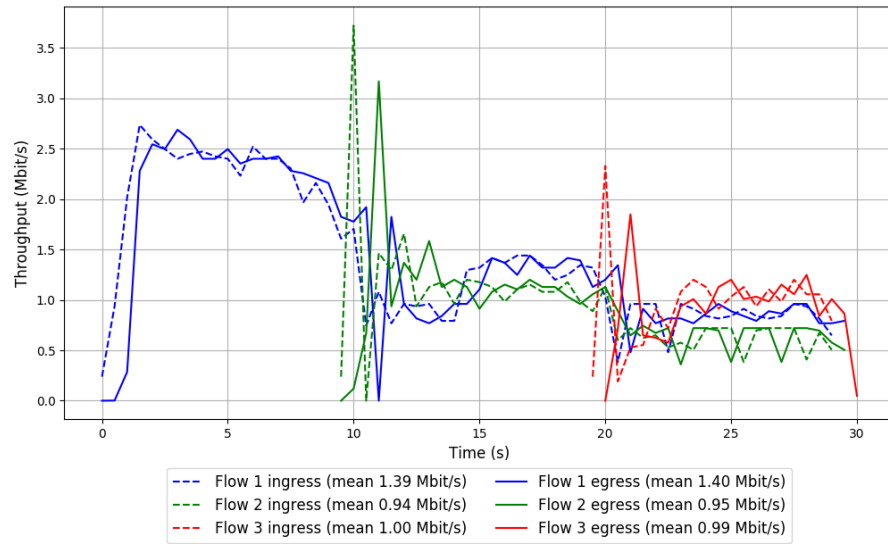


Run 6: Statistics of Indigo

Start at: 2018-05-24 10:52:00
End at: 2018-05-24 10:52:30
Local clock offset: -2.154 ms
Remote clock offset: 10.005 ms

Below is generated by plot.py at 2018-05-24 12:25:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 270.652 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 229.240 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 351.328 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 290.581 ms
Loss rate: 1.51%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-05-24 11:11:09

End at: 2018-05-24 11:11:39

Local clock offset: -2.6 ms

Remote clock offset: 8.462 ms

Below is generated by plot.py at 2018-05-24 12:25:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 225.925 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 1.63 Mbit/s

95th percentile per-packet one-way delay: 199.933 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 0.94 Mbit/s

95th percentile per-packet one-way delay: 411.165 ms

Loss rate: 0.13%

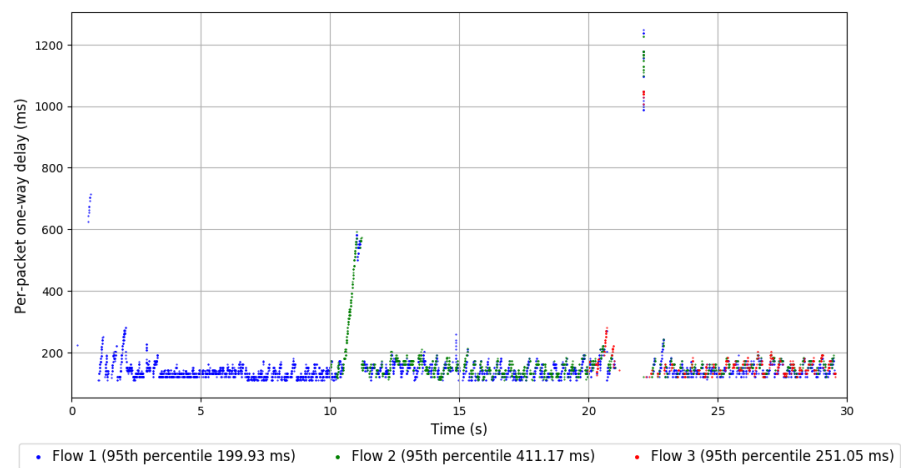
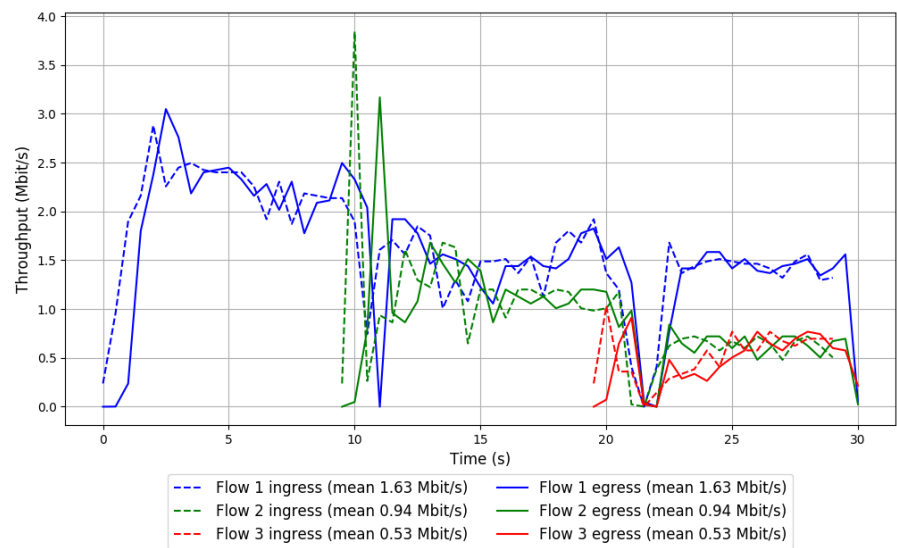
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 251.047 ms

Loss rate: 0.94%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-05-24 11:30:18

End at: 2018-05-24 11:30:48

Local clock offset: -1.324 ms

Remote clock offset: 5.592 ms

Below is generated by plot.py at 2018-05-24 12:25:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 219.633 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 1.07 Mbit/s

95th percentile per-packet one-way delay: 228.742 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 0.80 Mbit/s

95th percentile per-packet one-way delay: 228.351 ms

Loss rate: 0.31%

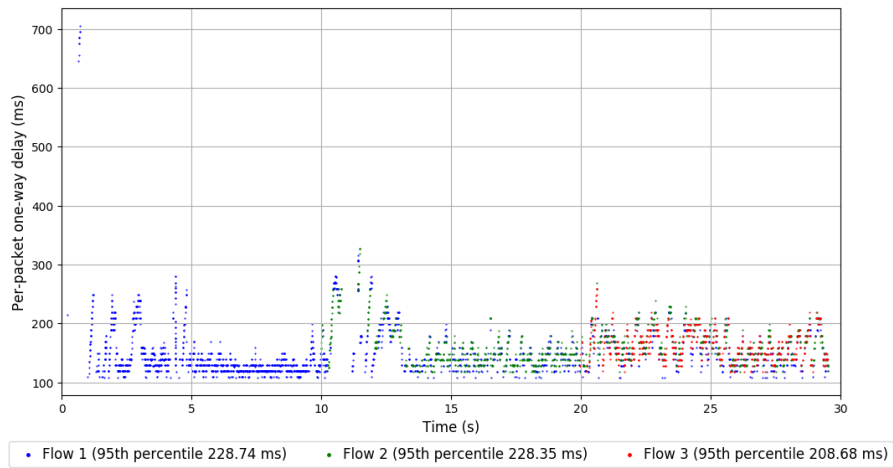
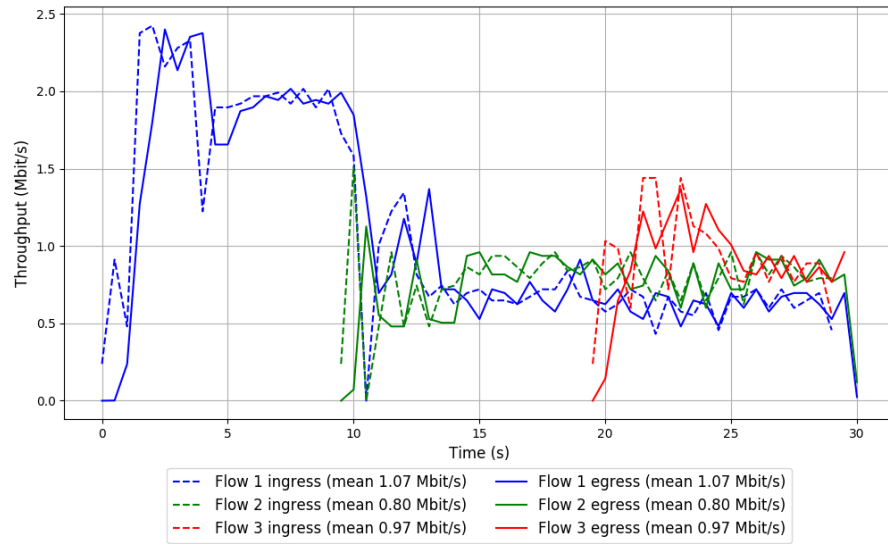
-- Flow 3:

Average throughput: 0.97 Mbit/s

95th percentile per-packet one-way delay: 208.682 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-05-24 11:49:27

End at: 2018-05-24 11:49:57

Local clock offset: -1.776 ms

Remote clock offset: 9.772 ms

Below is generated by plot.py at 2018-05-24 12:25:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 220.262 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 0.88 Mbit/s

95th percentile per-packet one-way delay: 220.698 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 209.999 ms

Loss rate: 0.42%

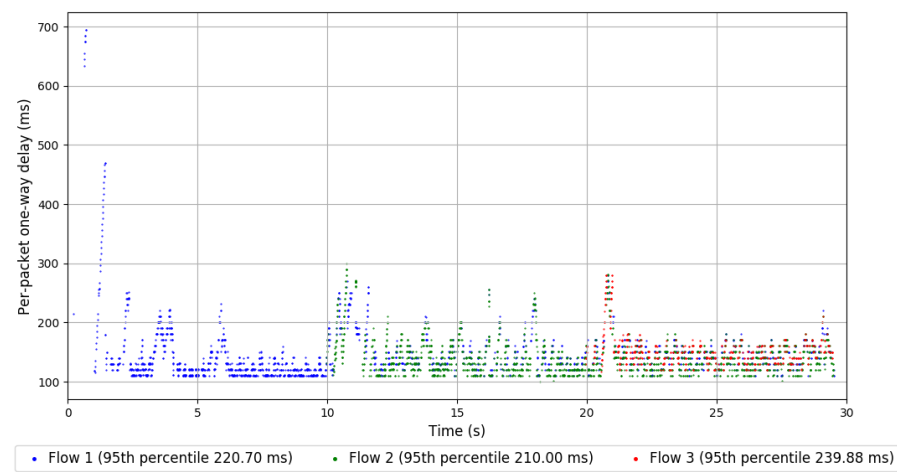
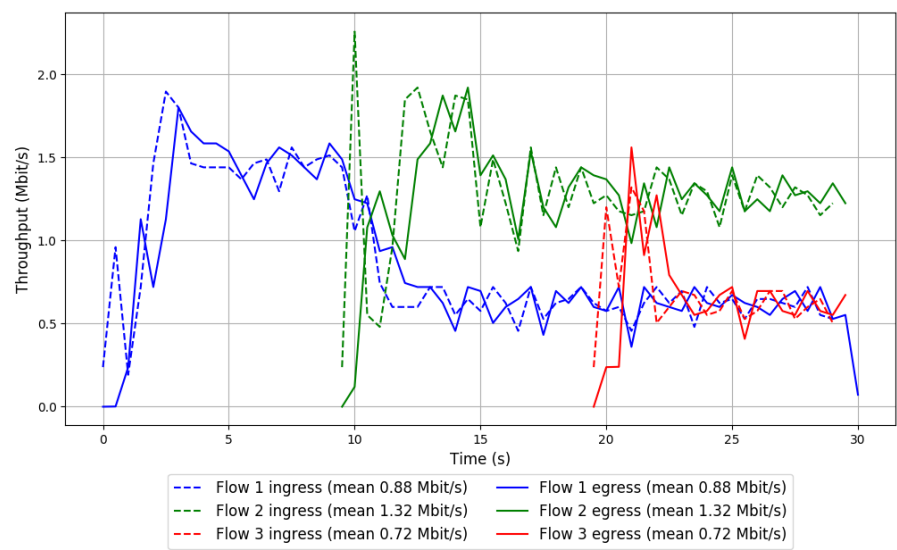
-- Flow 3:

Average throughput: 0.72 Mbit/s

95th percentile per-packet one-way delay: 239.880 ms

Loss rate: 0.70%

Run 9: Report of Indigo — Data Link

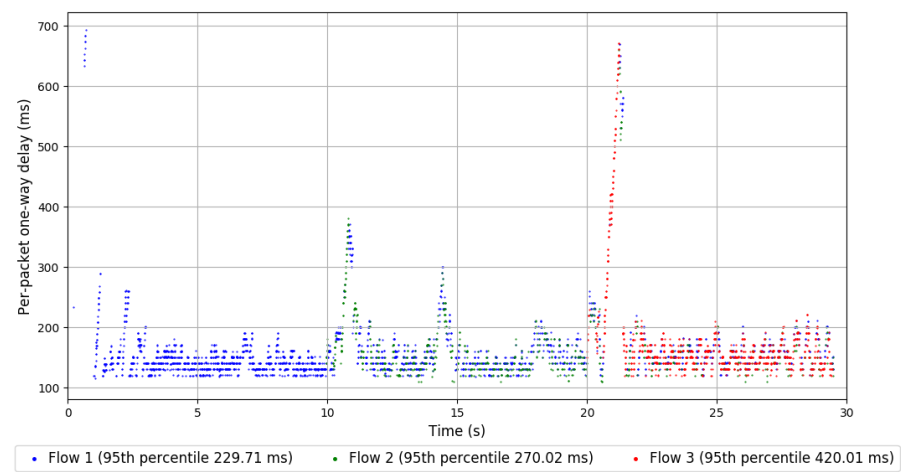
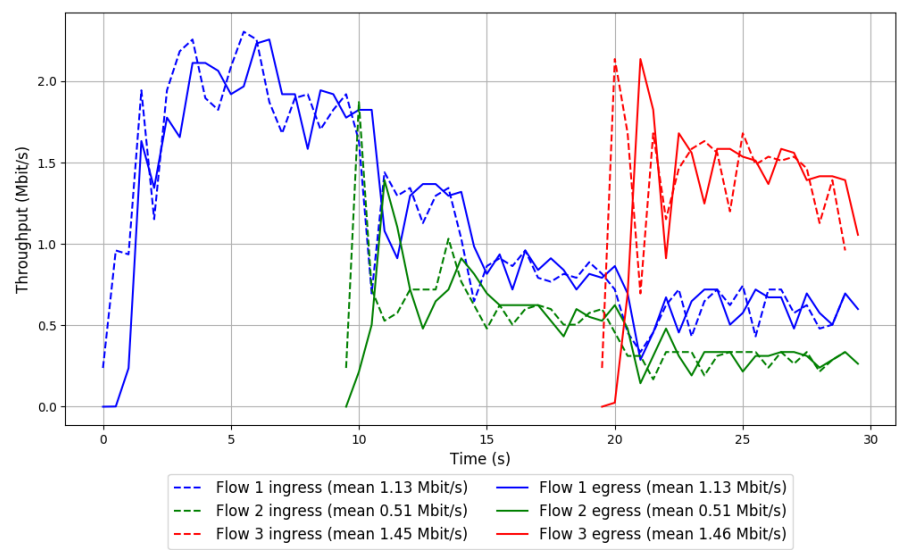


Run 10: Statistics of Indigo

Start at: 2018-05-24 12:08:38
End at: 2018-05-24 12:09:08
Local clock offset: -2.809 ms
Remote clock offset: 16.501 ms

Below is generated by plot.py at 2018-05-24 12:25:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 260.040 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 229.714 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 270.020 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 420.008 ms
Loss rate: 0.87%

Run 10: Report of Indigo — Data Link

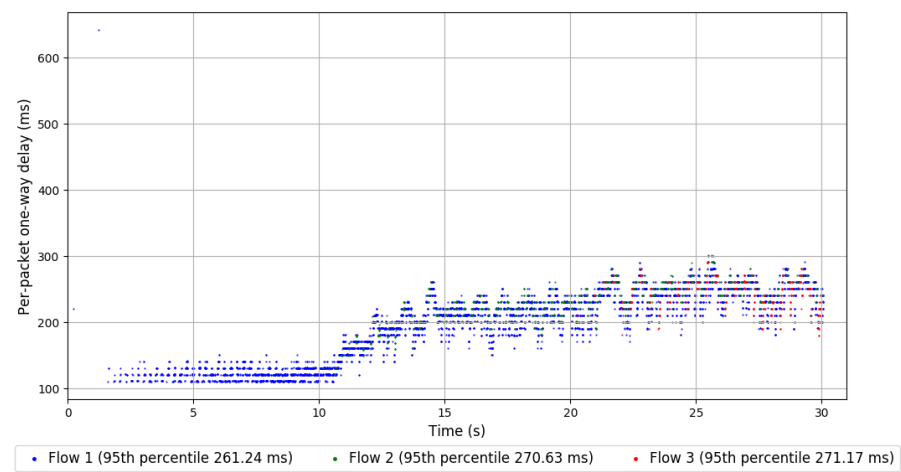
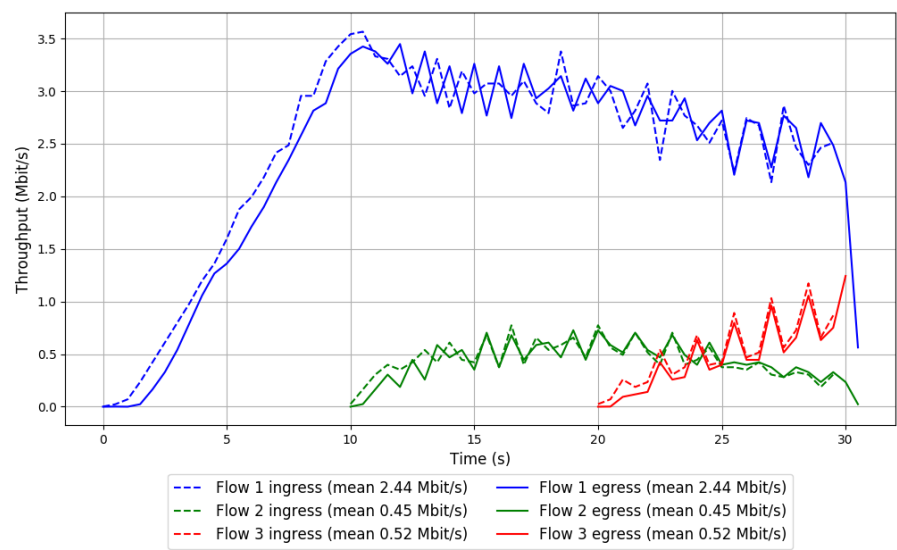


Run 1: Statistics of LEDBAT

Start at: 2018-05-24 09:29:23
End at: 2018-05-24 09:29:53
Local clock offset: -2.283 ms
Remote clock offset: 12.783 ms

Below is generated by plot.py at 2018-05-24 12:25:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 261.371 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 261.243 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 270.628 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 271.170 ms
Loss rate: 1.81%

Run 1: Report of LEDBAT — Data Link

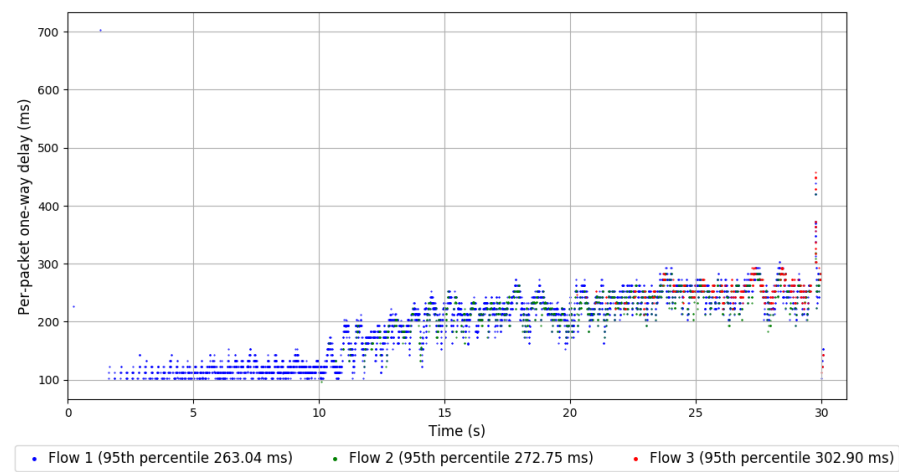
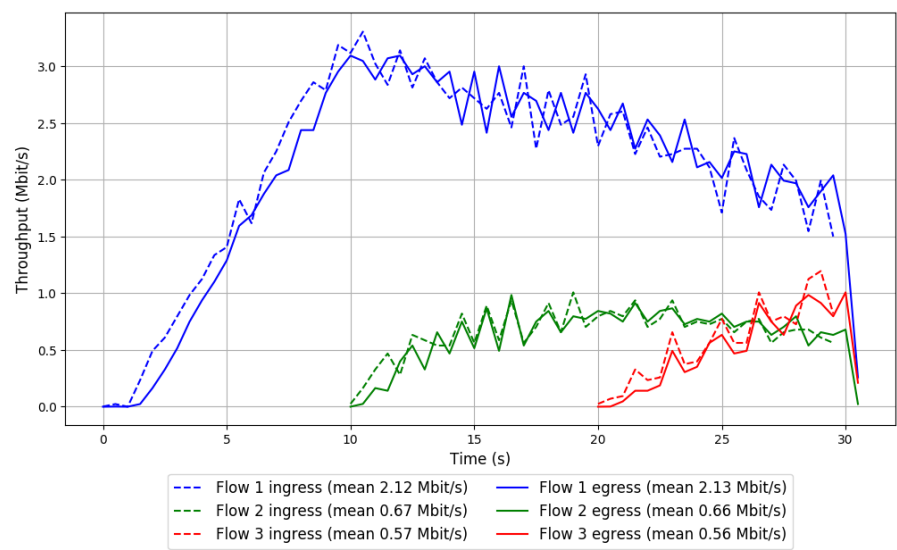


Run 2: Statistics of LEDBAT

Start at: 2018-05-24 09:48:32
End at: 2018-05-24 09:49:02
Local clock offset: -2.799 ms
Remote clock offset: 11.007 ms

Below is generated by plot.py at 2018-05-24 12:25:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.75 Mbit/s
95th percentile per-packet one-way delay: 272.681 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 263.043 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 272.755 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 302.905 ms
Loss rate: 3.52%

Run 2: Report of LEDBAT — Data Link

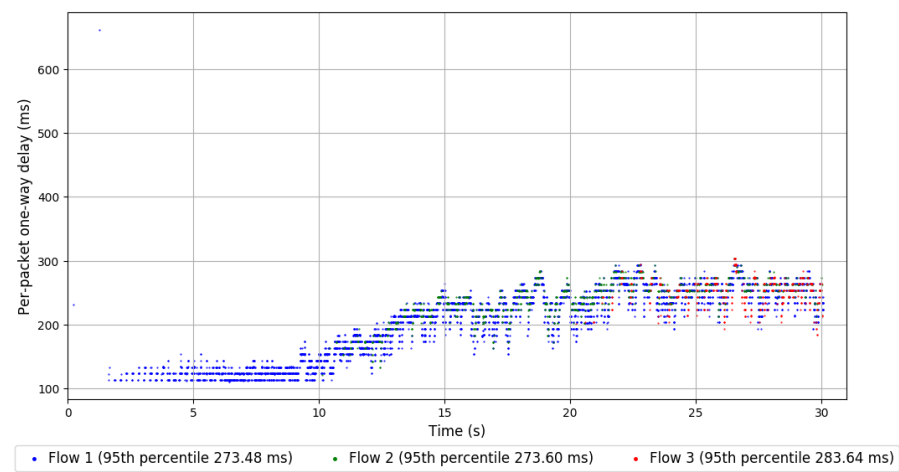
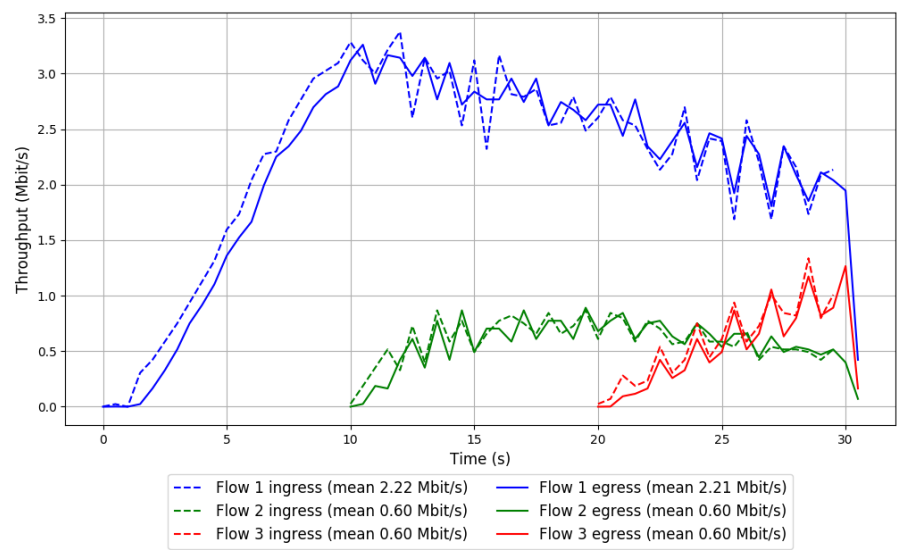


Run 3: Statistics of LEDBAT

Start at: 2018-05-24 10:07:42
End at: 2018-05-24 10:08:12
Local clock offset: -2.768 ms
Remote clock offset: 15.013 ms

Below is generated by plot.py at 2018-05-24 12:25:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.81 Mbit/s
95th percentile per-packet one-way delay: 273.539 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 273.483 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 273.599 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 283.637 ms
Loss rate: 1.77%

Run 3: Report of LEDBAT — Data Link

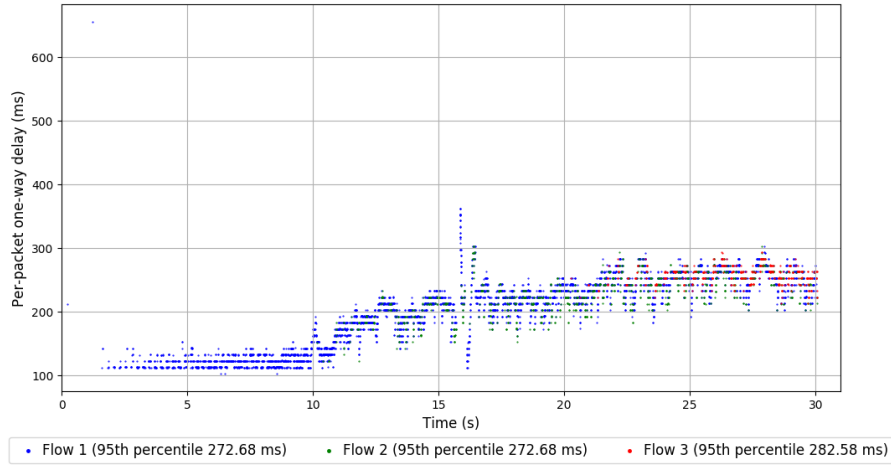
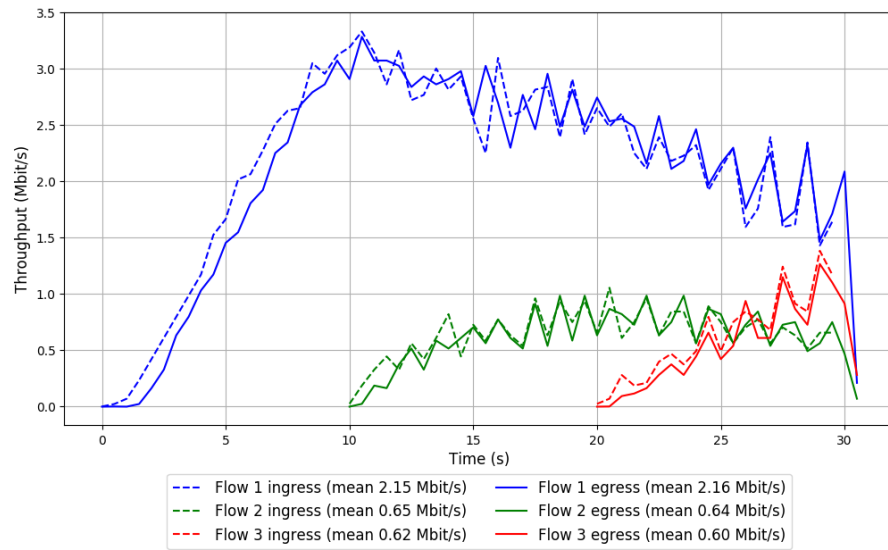


Run 4: Statistics of LEDBAT

Start at: 2018-05-24 10:26:51
End at: 2018-05-24 10:27:21
Local clock offset: -3.605 ms
Remote clock offset: 15.464 ms

Below is generated by plot.py at 2018-05-24 12:25:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.78 Mbit/s
95th percentile per-packet one-way delay: 272.726 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 272.681 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 272.682 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 282.583 ms
Loss rate: 4.54%

Run 4: Report of LEDBAT — Data Link

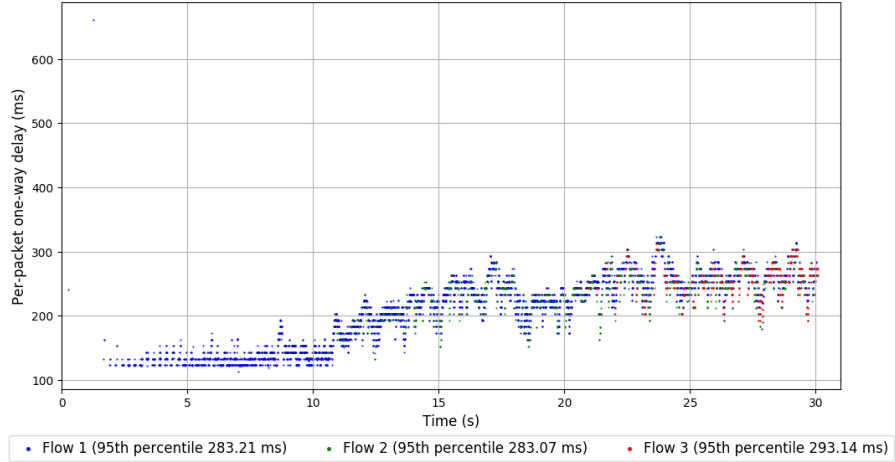
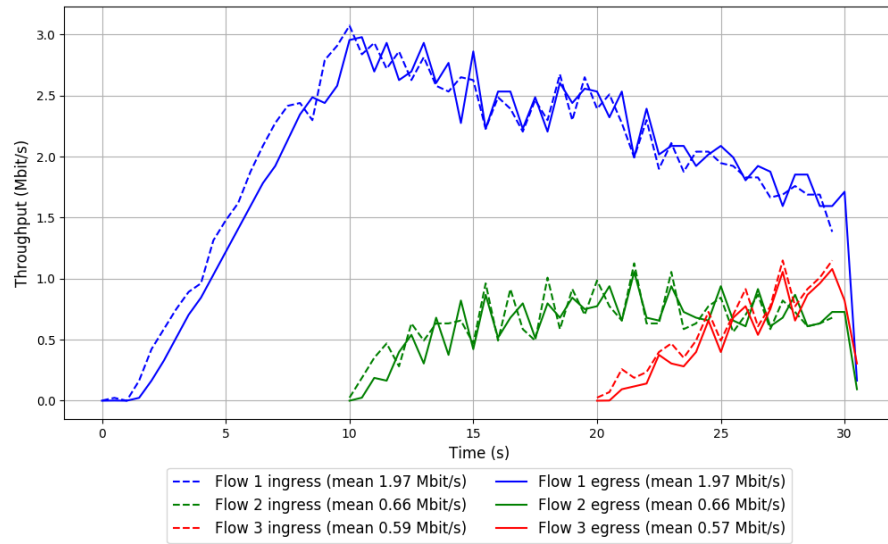


Run 5: Statistics of LEDBAT

Start at: 2018-05-24 10:46:00
End at: 2018-05-24 10:46:30
Local clock offset: -2.962 ms
Remote clock offset: 14.567 ms

Below is generated by plot.py at 2018-05-24 12:25:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 283.224 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 283.212 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 283.070 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 293.140 ms
Loss rate: 3.81%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-05-24 11:05:11

End at: 2018-05-24 11:05:41

Local clock offset: -2.048 ms

Remote clock offset: 6.781 ms

Below is generated by plot.py at 2018-05-24 12:25:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.75 Mbit/s

95th percentile per-packet one-way delay: 244.078 ms

Loss rate: 1.78%

-- Flow 1:

Average throughput: 0.91 Mbit/s

95th percentile per-packet one-way delay: 233.669 ms

Loss rate: 2.49%

-- Flow 2:

Average throughput: 1.00 Mbit/s

95th percentile per-packet one-way delay: 254.214 ms

Loss rate: 1.28%

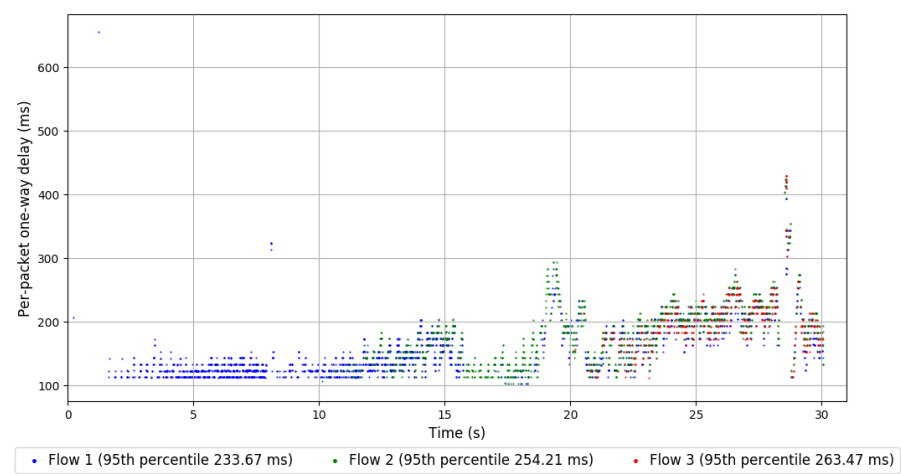
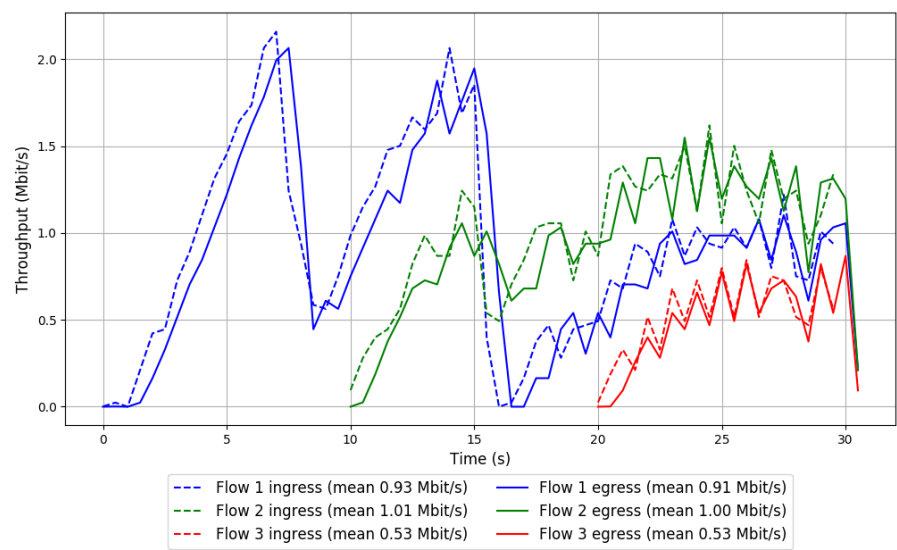
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 263.471 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

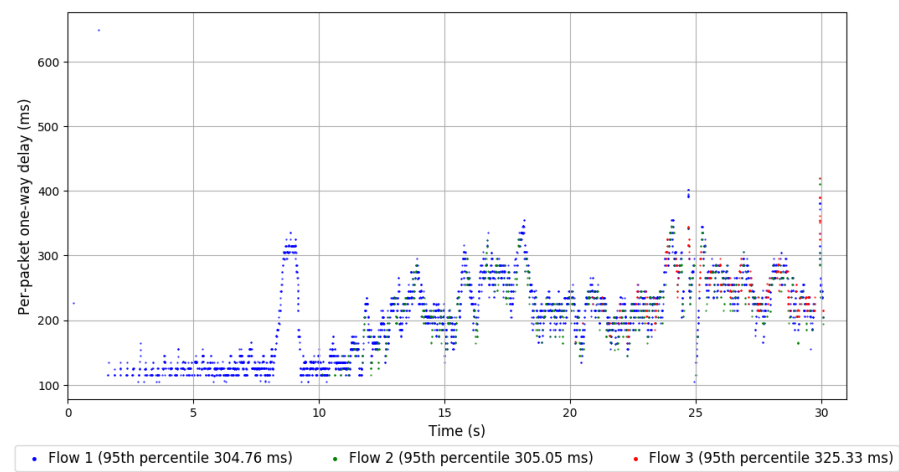
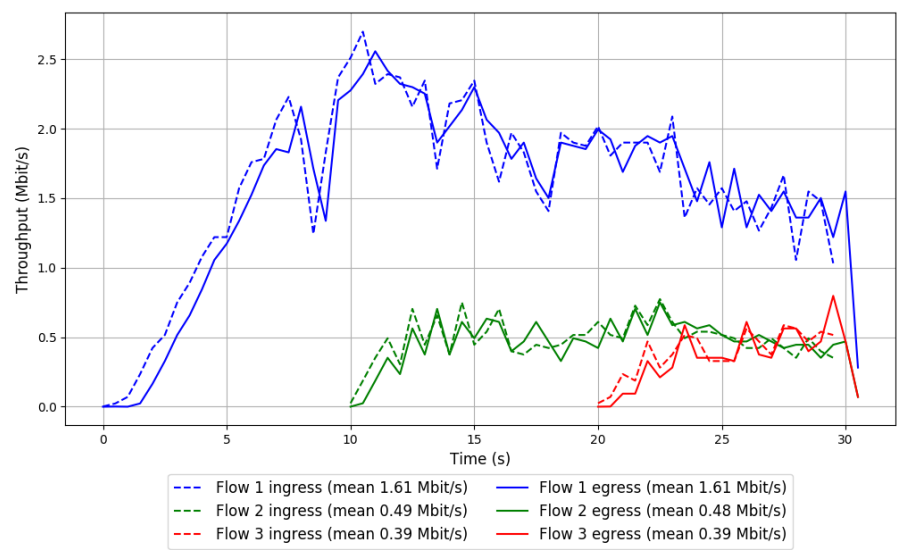


Run 7: Statistics of LEDBAT

Start at: 2018-05-24 11:24:20
End at: 2018-05-24 11:24:50
Local clock offset: -0.666 ms
Remote clock offset: 2.34 ms

```
# Below is generated by plot.py at 2018-05-24 12:25:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 305.070 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 304.763 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 305.048 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 325.334 ms
Loss rate: 0.91%
```


Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-05-24 11:43:29

End at: 2018-05-24 11:43:59

Local clock offset: -1.103 ms

Remote clock offset: 7.79 ms

Below is generated by plot.py at 2018-05-24 12:26:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.73 Mbit/s

95th percentile per-packet one-way delay: 308.676 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 298.831 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 309.136 ms

Loss rate: 0.44%

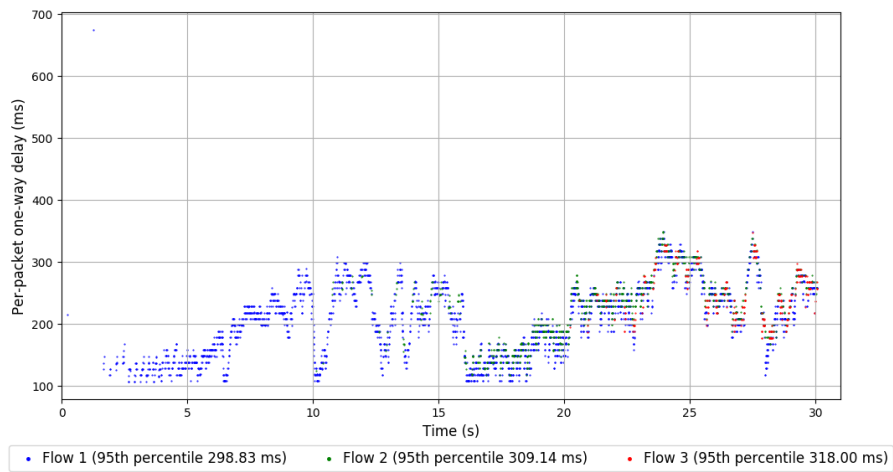
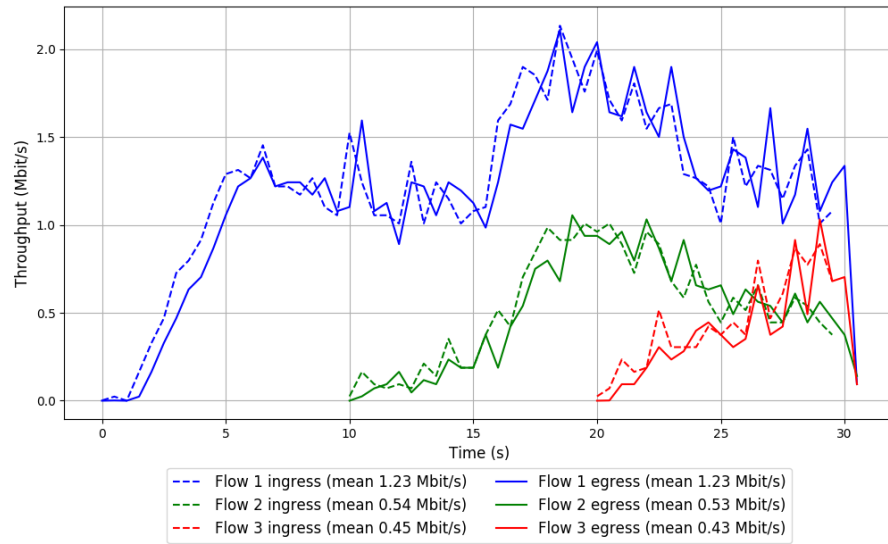
-- Flow 3:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 318.001 ms

Loss rate: 4.25%

Run 8: Report of LEDBAT — Data Link

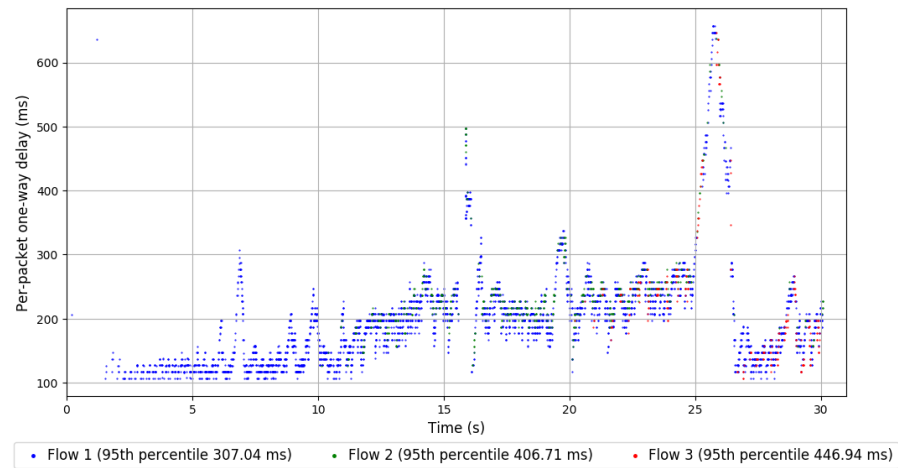
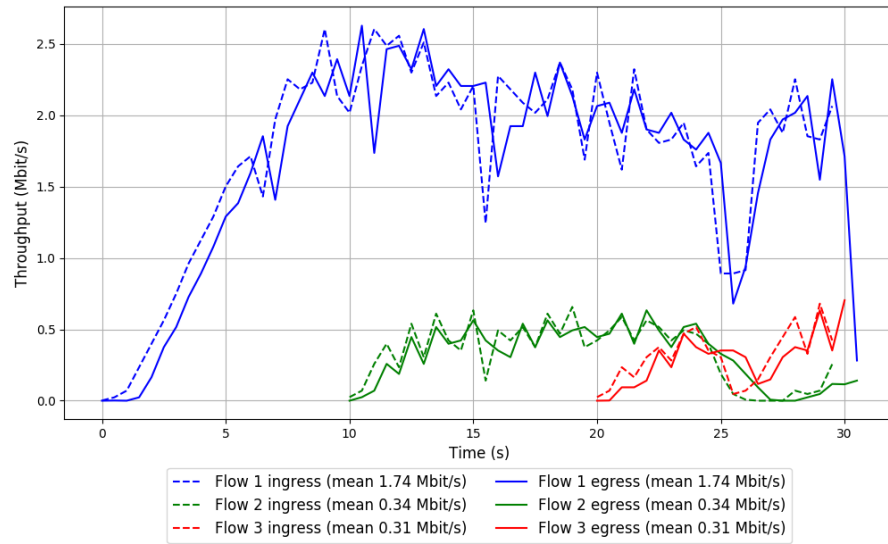


Run 9: Statistics of LEDBAT

Start at: 2018-05-24 12:02:38
End at: 2018-05-24 12:03:08
Local clock offset: -1.386 ms
Remote clock offset: 13.022 ms

Below is generated by plot.py at 2018-05-24 12:26:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 326.459 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 307.043 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 406.713 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 446.939 ms
Loss rate: 0.77%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-05-24 12:21:49

End at: 2018-05-24 12:22:19

Local clock offset: -3.41 ms

Remote clock offset: 5.395 ms

Below is generated by plot.py at 2018-05-24 12:26:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 276.444 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: 276.331 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 276.065 ms

Loss rate: 1.06%

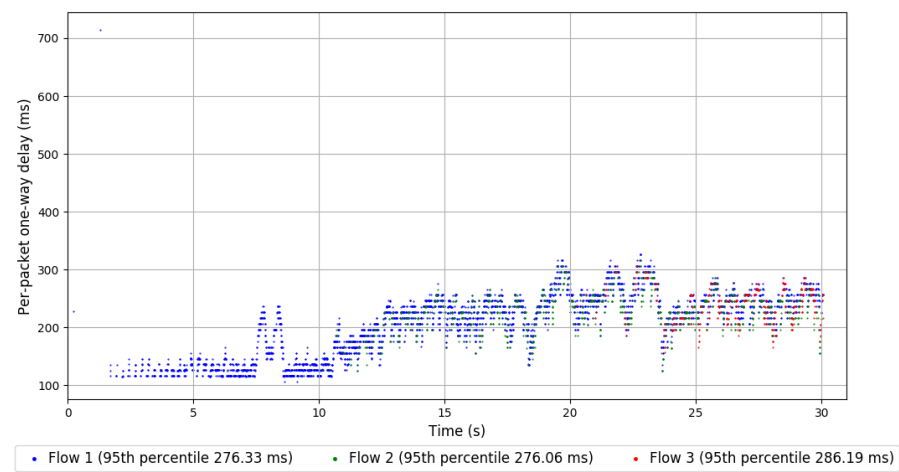
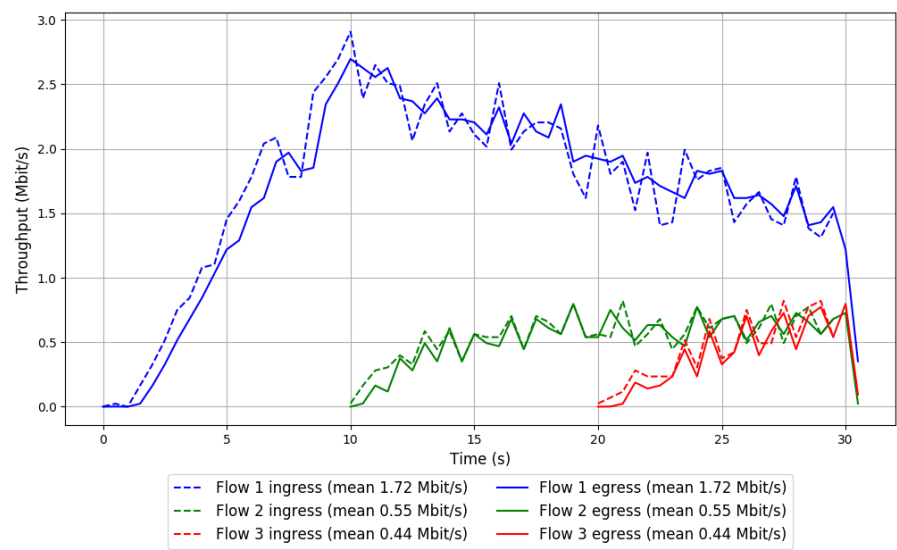
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 286.186 ms

Loss rate: 2.15%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-24 09:19:48

End at: 2018-05-24 09:20:18

Local clock offset: -3.178 ms

Remote clock offset: 4.644 ms

Below is generated by plot.py at 2018-05-24 12:26:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.09 Mbit/s

95th percentile per-packet one-way delay: 2254.073 ms

Loss rate: 35.35%

-- Flow 1:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 2246.769 ms

Loss rate: 42.72%

-- Flow 2:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 2261.233 ms

Loss rate: 19.81%

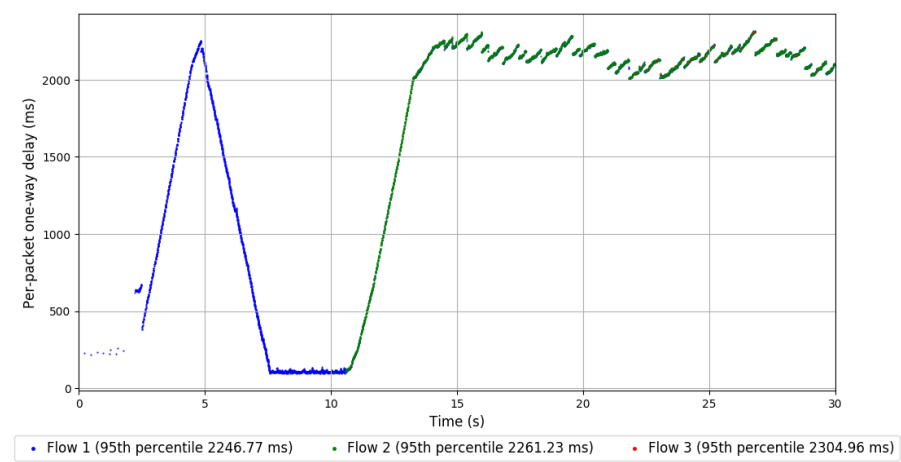
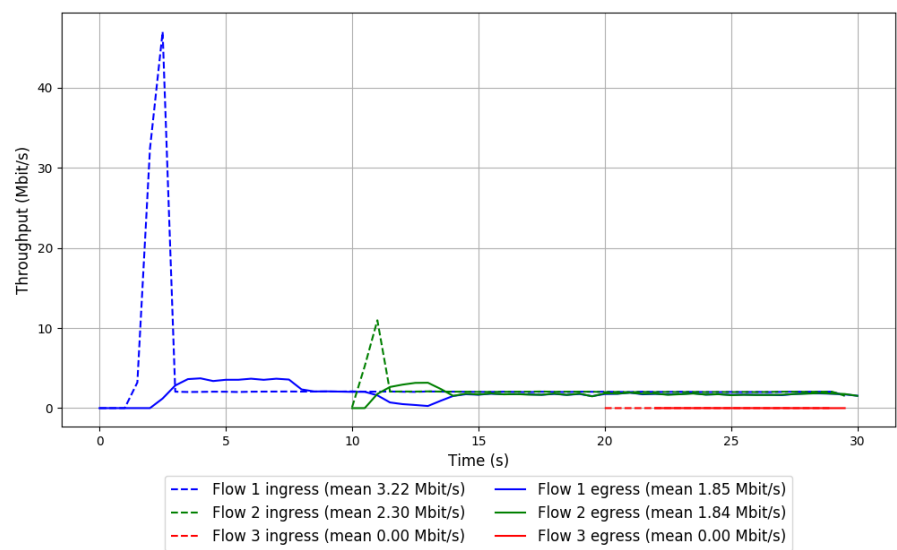
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2304.956 ms

Loss rate: 7.45%

Run 1: Report of PCC-Allegro — Data Link

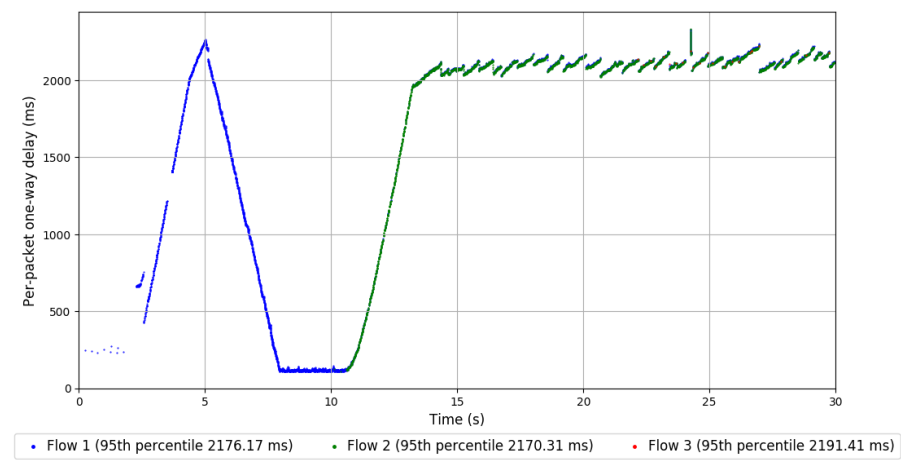
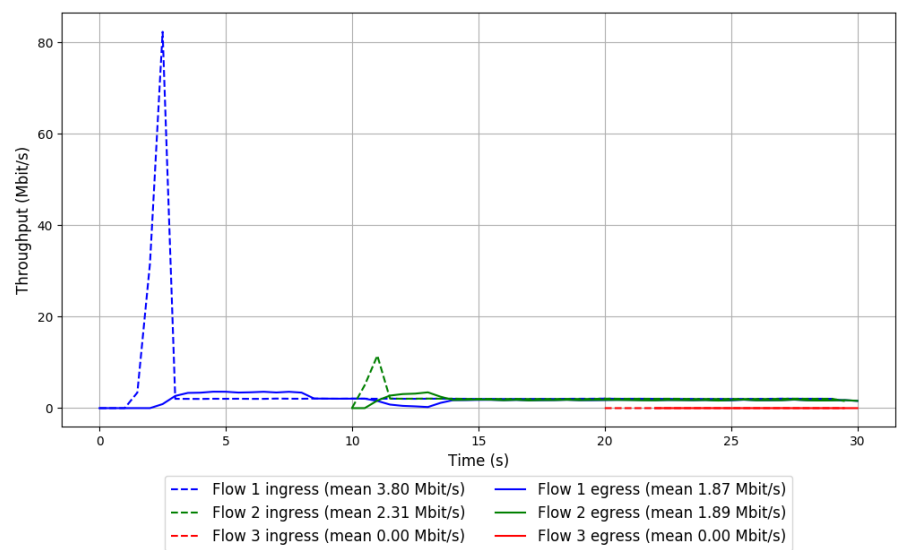


Run 2: Statistics of PCC-Allegro

Start at: 2018-05-24 09:38:57
End at: 2018-05-24 09:39:27
Local clock offset: -2.866 ms
Remote clock offset: 14.464 ms

Below is generated by plot.py at 2018-05-24 12:26:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 2173.791 ms
Loss rate: 41.62%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 2176.166 ms
Loss rate: 50.99%
-- Flow 2:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 2170.313 ms
Loss rate: 18.39%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 2191.406 ms
Loss rate: 11.14%

Run 2: Report of PCC-Allegro — Data Link

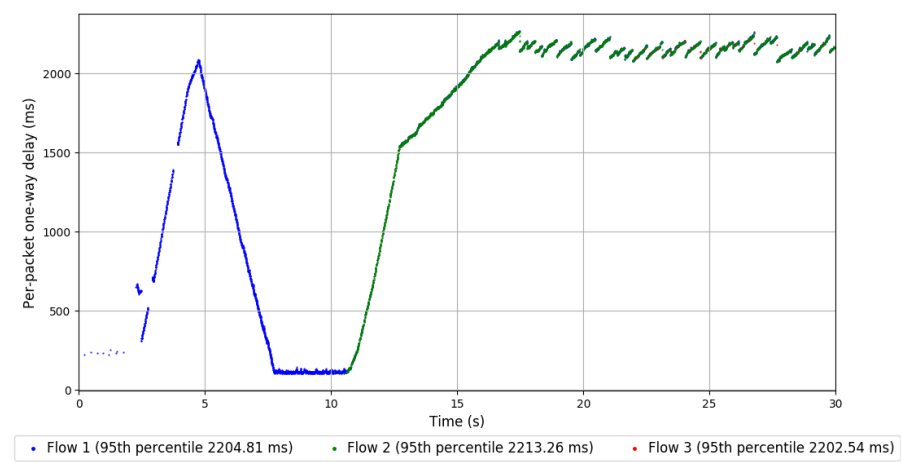
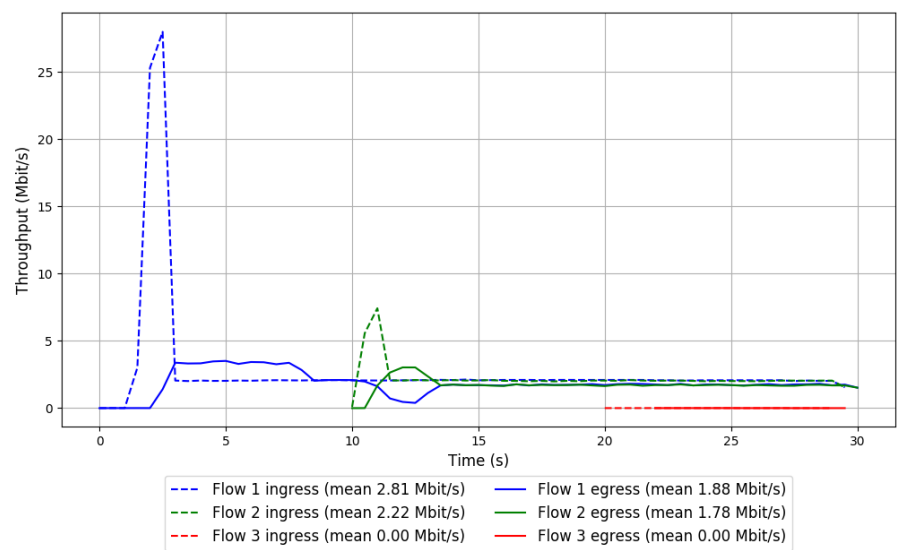


Run 3: Statistics of PCC-Allegro

Start at: 2018-05-24 09:58:07
End at: 2018-05-24 09:58:37
Local clock offset: -3.612 ms
Remote clock offset: 11.188 ms

Below is generated by plot.py at 2018-05-24 12:26:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 2209.117 ms
Loss rate: 28.72%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 2204.810 ms
Loss rate: 33.37%
-- Flow 2:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 2213.260 ms
Loss rate: 19.87%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 2202.537 ms
Loss rate: 11.67%

Run 3: Report of PCC-Allegro — Data Link

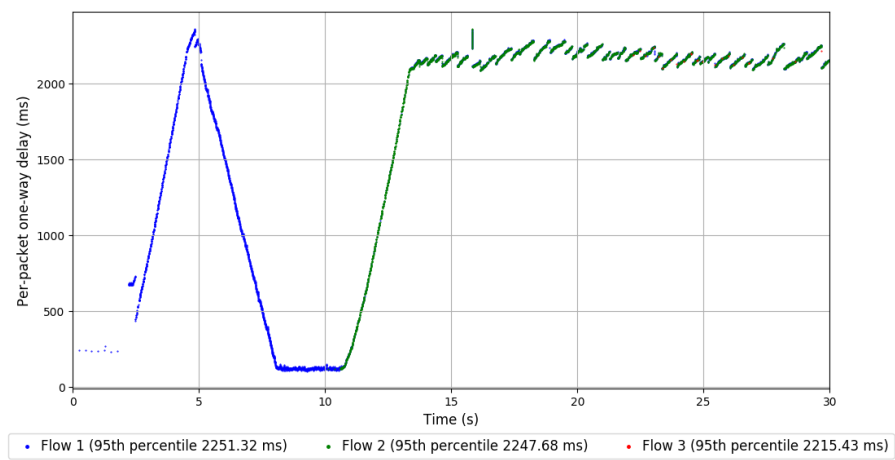
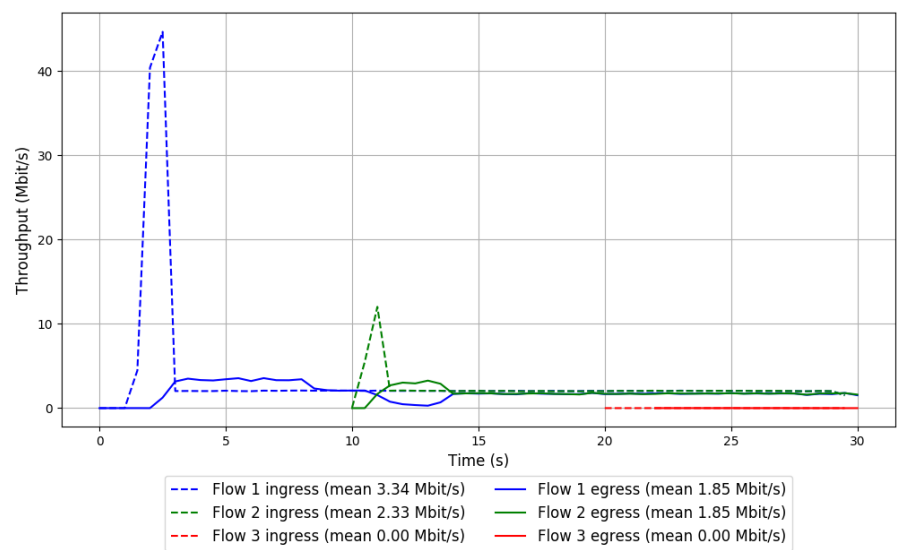


Run 4: Statistics of PCC-Allegro

Start at: 2018-05-24 10:17:16
End at: 2018-05-24 10:17:46
Local clock offset: -2.817 ms
Remote clock offset: 15.426 ms

Below is generated by plot.py at 2018-05-24 12:26:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.08 Mbit/s
95th percentile per-packet one-way delay: 2249.559 ms
Loss rate: 37.31%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 2251.317 ms
Loss rate: 44.97%
-- Flow 2:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 2247.684 ms
Loss rate: 20.84%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 2215.433 ms
Loss rate: 7.53%

Run 4: Report of PCC-Allegro — Data Link

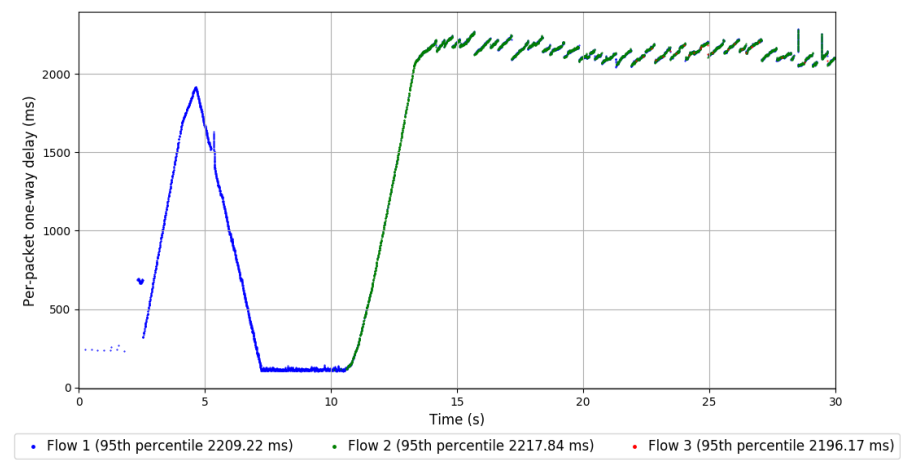
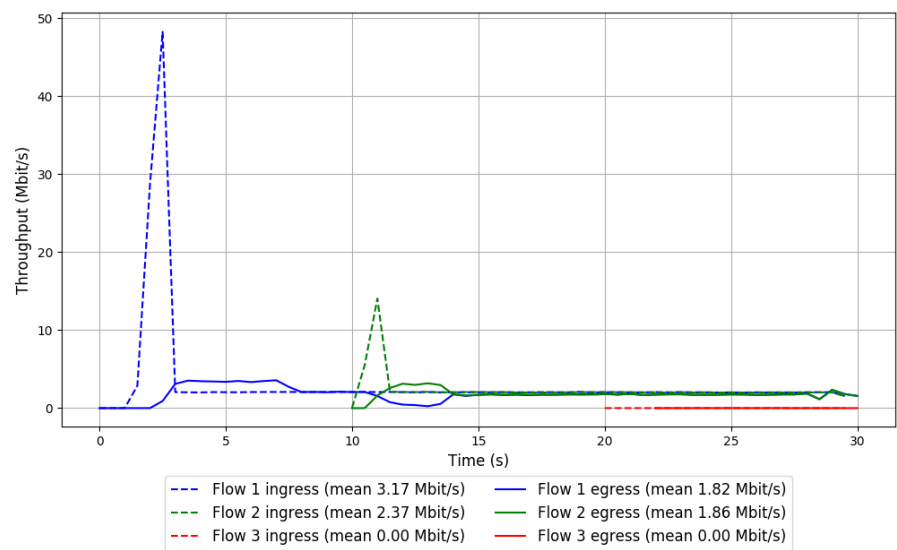


Run 5: Statistics of PCC-Allegro

Start at: 2018-05-24 10:36:25
End at: 2018-05-24 10:36:55
Local clock offset: -2.089 ms
Remote clock offset: 15.513 ms

Below is generated by plot.py at 2018-05-24 12:26:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 2214.091 ms
Loss rate: 35.99%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 2209.225 ms
Loss rate: 43.02%
-- Flow 2:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 2217.843 ms
Loss rate: 21.89%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 2196.171 ms
Loss rate: 7.24%

Run 5: Report of PCC-Allegro — Data Link

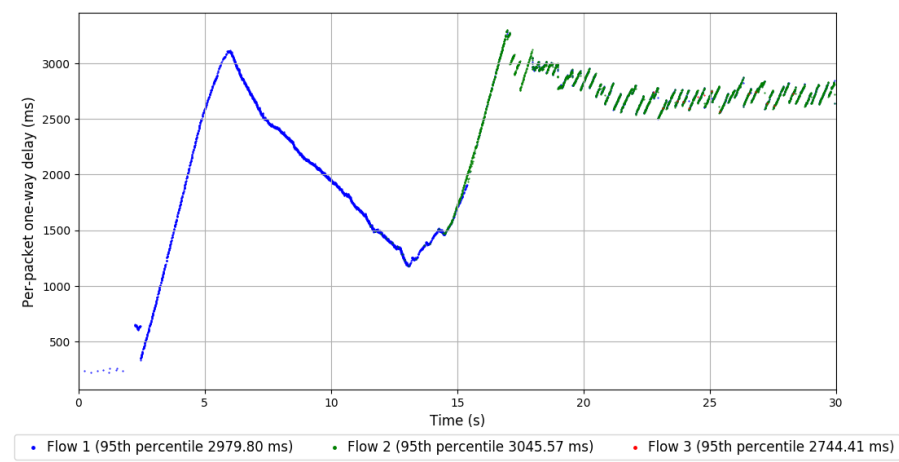
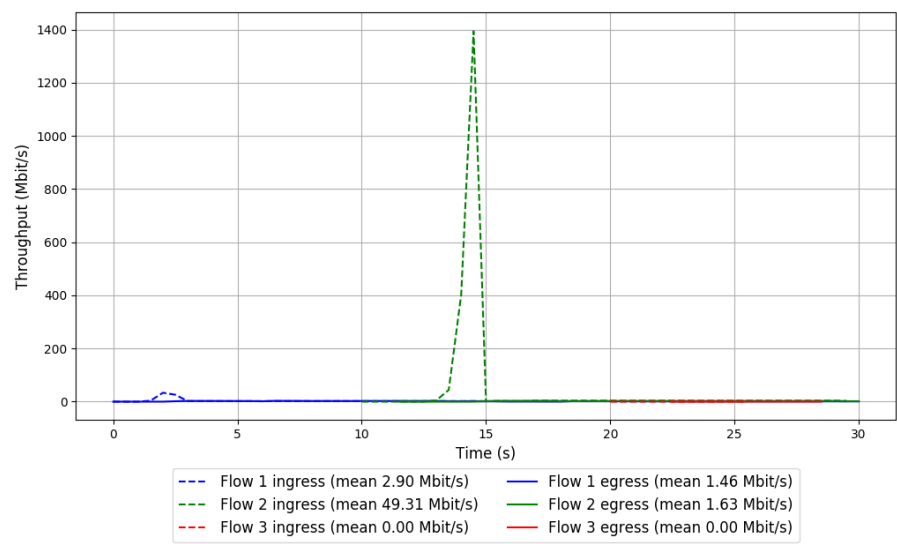


Run 6: Statistics of PCC-Allegro

Start at: 2018-05-24 10:55:36
End at: 2018-05-24 10:56:06
Local clock offset: -2.217 ms
Remote clock offset: 15.474 ms

Below is generated by plot.py at 2018-05-24 12:26:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 3000.338 ms
Loss rate: 93.13%
-- Flow 1:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 2979.801 ms
Loss rate: 50.11%
-- Flow 2:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 3045.574 ms
Loss rate: 96.94%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 2744.405 ms
Loss rate: 29.90%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-24 11:14:46

End at: 2018-05-24 11:15:16

Local clock offset: -1.658 ms

Remote clock offset: 8.421 ms

Below is generated by plot.py at 2018-05-24 12:26:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.52 Mbit/s

95th percentile per-packet one-way delay: 3127.582 ms

Loss rate: 51.44%

-- Flow 1:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 3095.957 ms

Loss rate: 49.29%

-- Flow 2:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 3159.152 ms

Loss rate: 54.70%

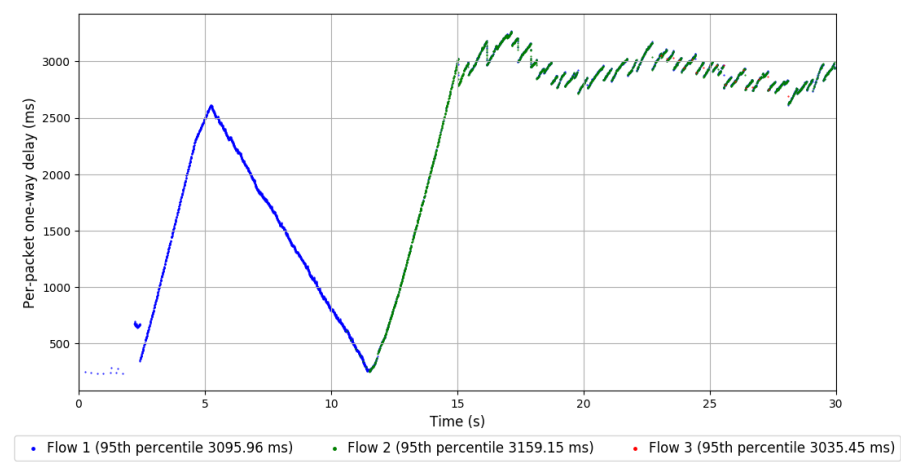
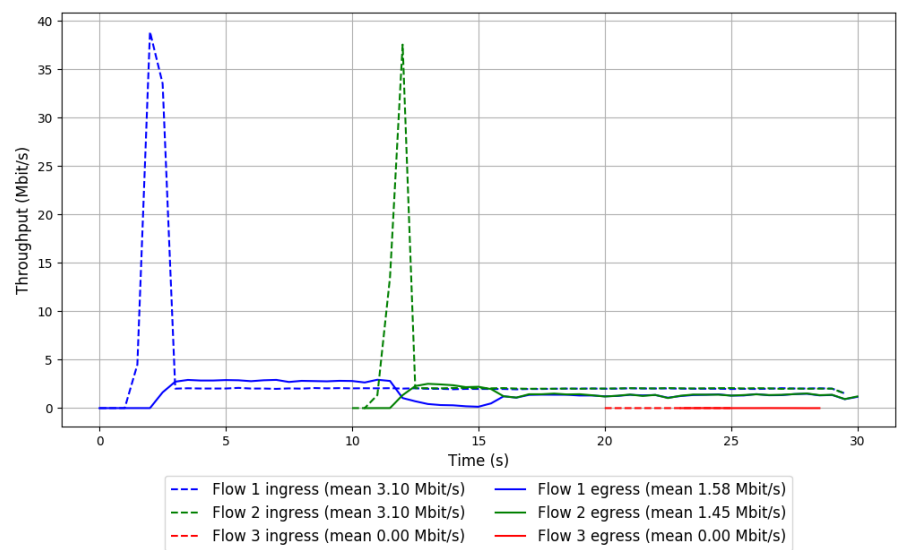
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 3035.448 ms

Loss rate: 0.00%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-24 11:33:54

End at: 2018-05-24 11:34:24

Local clock offset: -1.253 ms

Remote clock offset: 6.413 ms

Below is generated by plot.py at 2018-05-24 12:26:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.70 Mbit/s

95th percentile per-packet one-way delay: 2714.461 ms

Loss rate: 40.29%

-- Flow 1:

Average throughput: 1.61 Mbit/s

95th percentile per-packet one-way delay: 2706.005 ms

Loss rate: 45.90%

-- Flow 2:

Average throughput: 1.62 Mbit/s

95th percentile per-packet one-way delay: 2722.205 ms

Loss rate: 29.37%

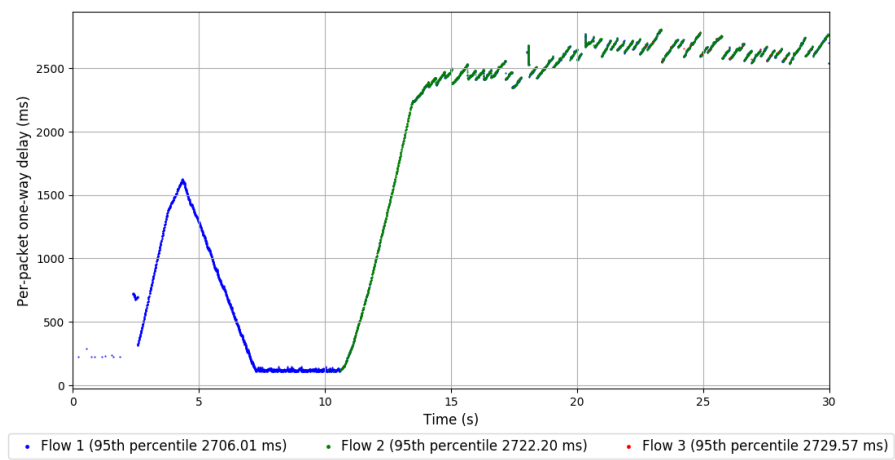
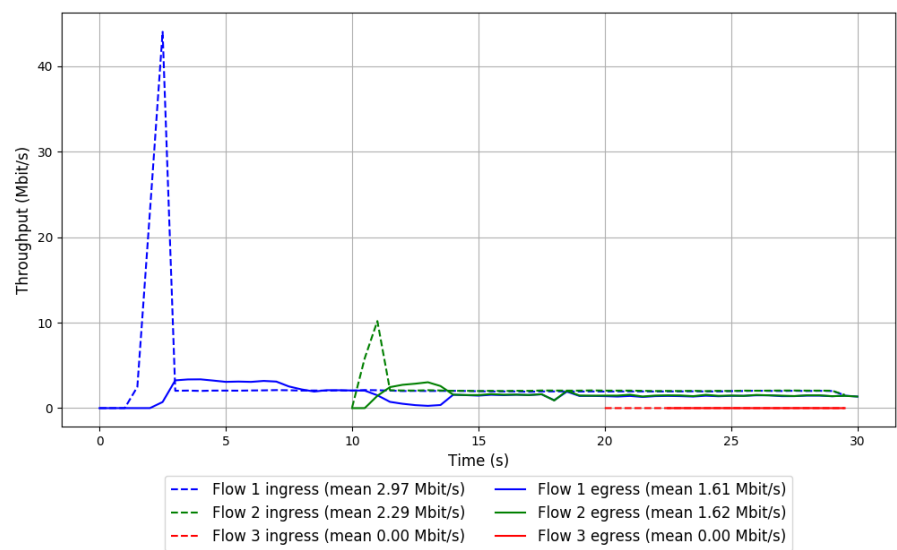
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2729.573 ms

Loss rate: 18.82%

Run 8: Report of PCC-Allegro — Data Link

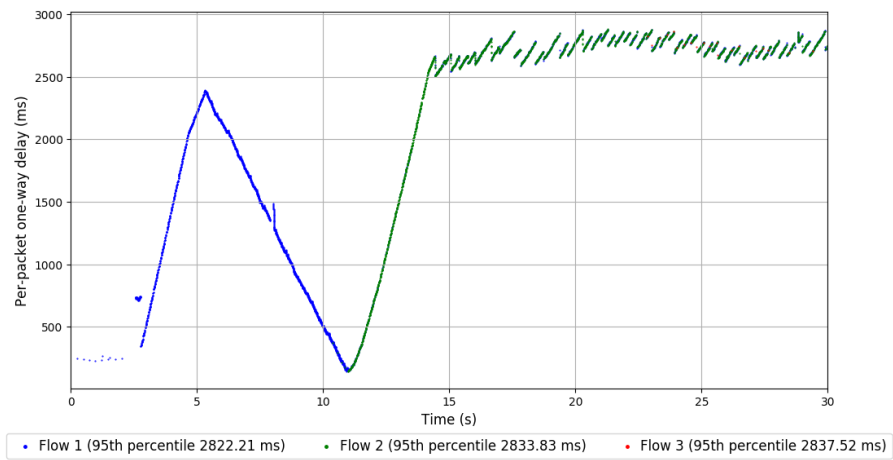
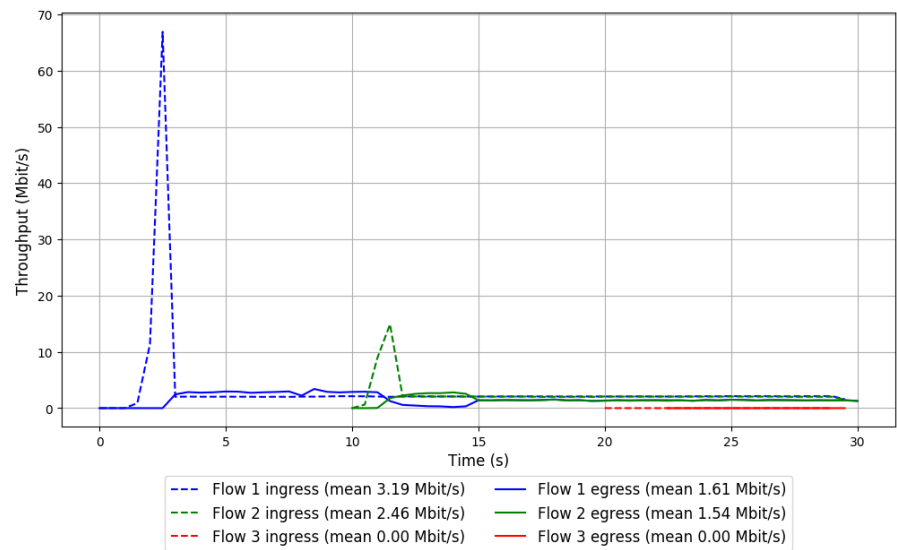


Run 9: Statistics of PCC-Allegro

Start at: 2018-05-24 11:53:03
End at: 2018-05-24 11:53:33
Local clock offset: -0.961 ms
Remote clock offset: 15.194 ms

Below is generated by plot.py at 2018-05-24 12:26:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 2826.851 ms
Loss rate: 46.04%
-- Flow 1:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 2822.208 ms
Loss rate: 50.02%
-- Flow 2:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 2833.831 ms
Loss rate: 38.27%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 2837.516 ms
Loss rate: 16.05%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-24 12:12:14

End at: 2018-05-24 12:12:44

Local clock offset: -2.994 ms

Remote clock offset: 8.325 ms

Below is generated by plot.py at 2018-05-24 12:26:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.54 Mbit/s

95th percentile per-packet one-way delay: 2872.410 ms

Loss rate: 94.20%

-- Flow 1:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 2850.054 ms

Loss rate: 53.98%

-- Flow 2:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 2892.696 ms

Loss rate: 97.30%

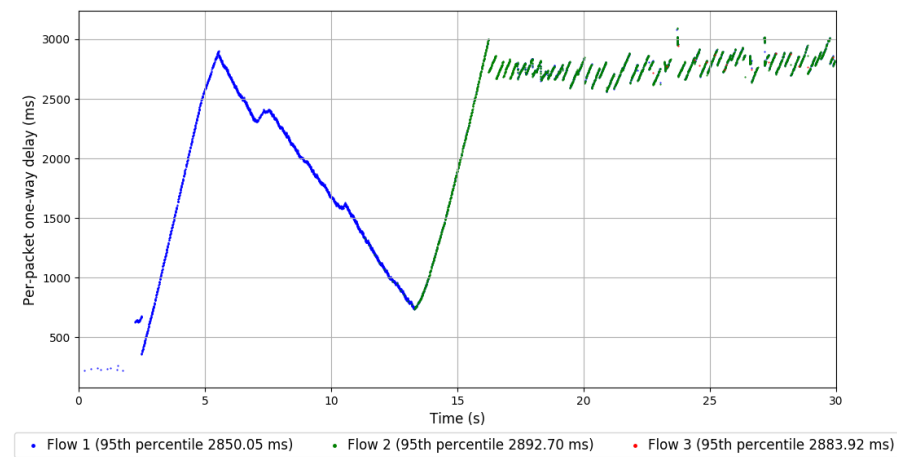
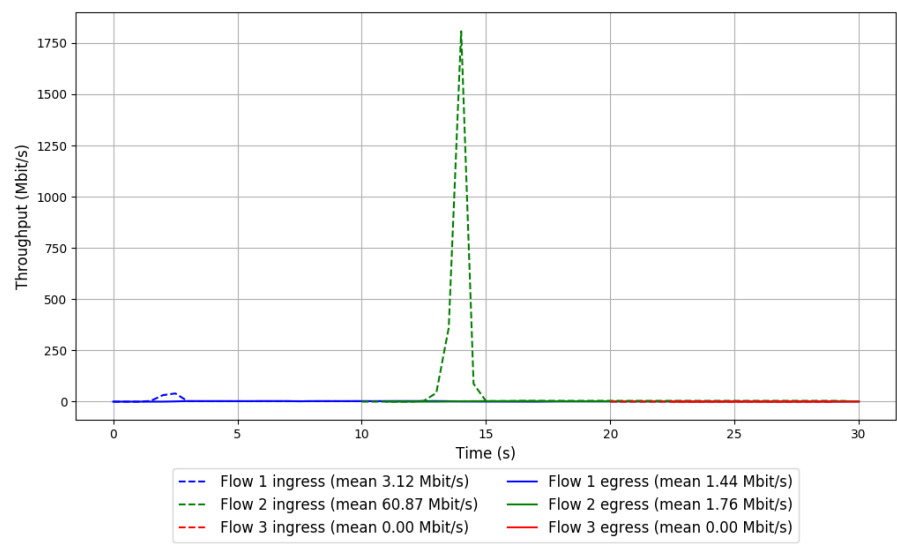
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2883.924 ms

Loss rate: 33.13%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

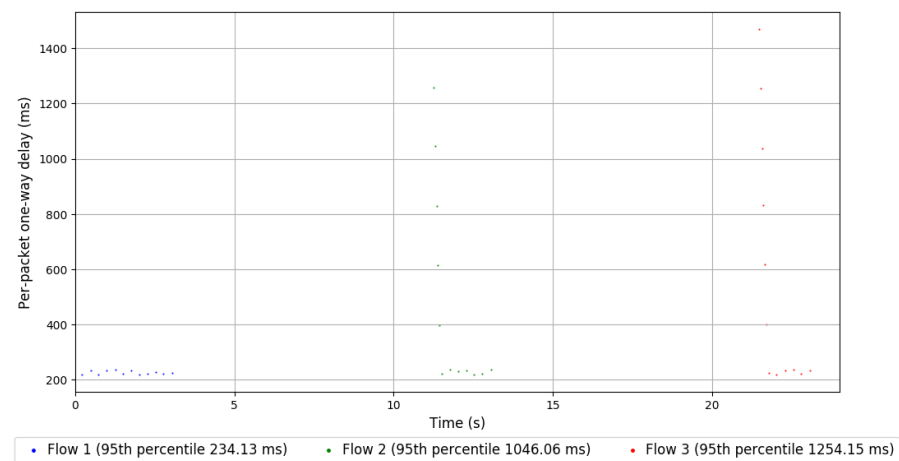
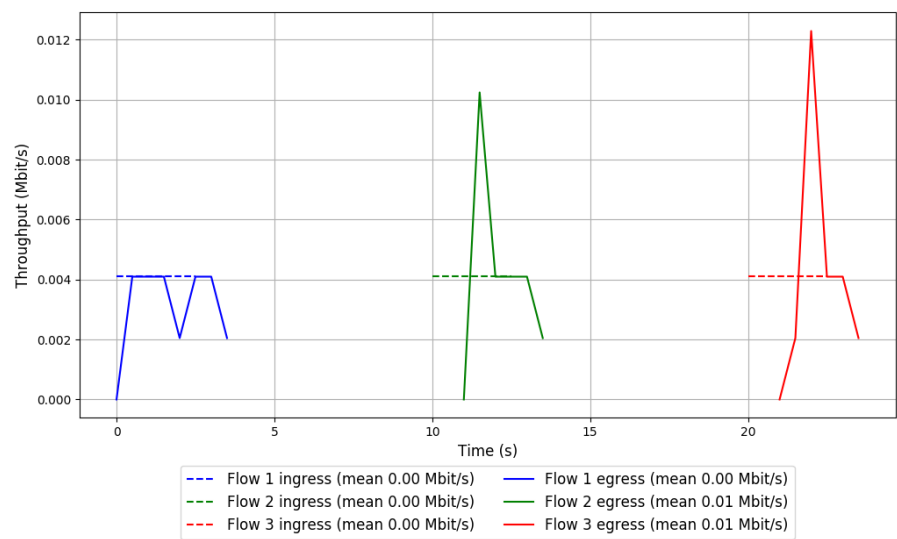
Start at: 2018-05-24 09:28:12

End at: 2018-05-24 09:28:42

Local clock offset: -3.112 ms

Remote clock offset: 8.668 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

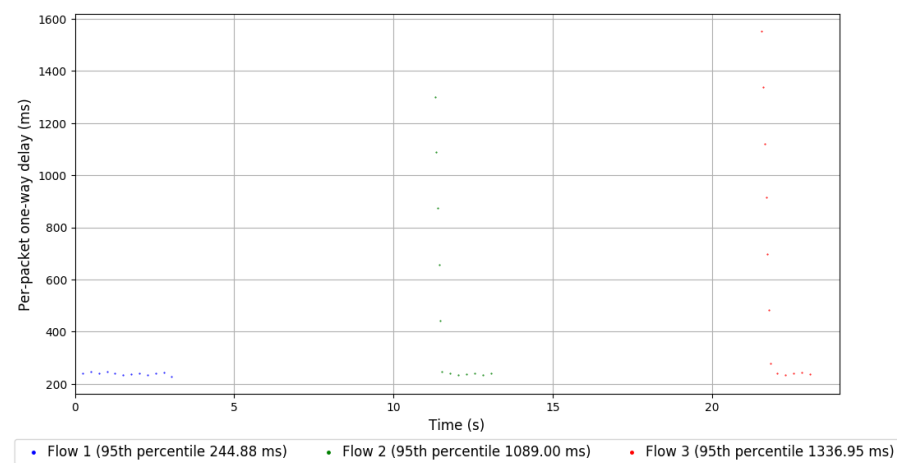
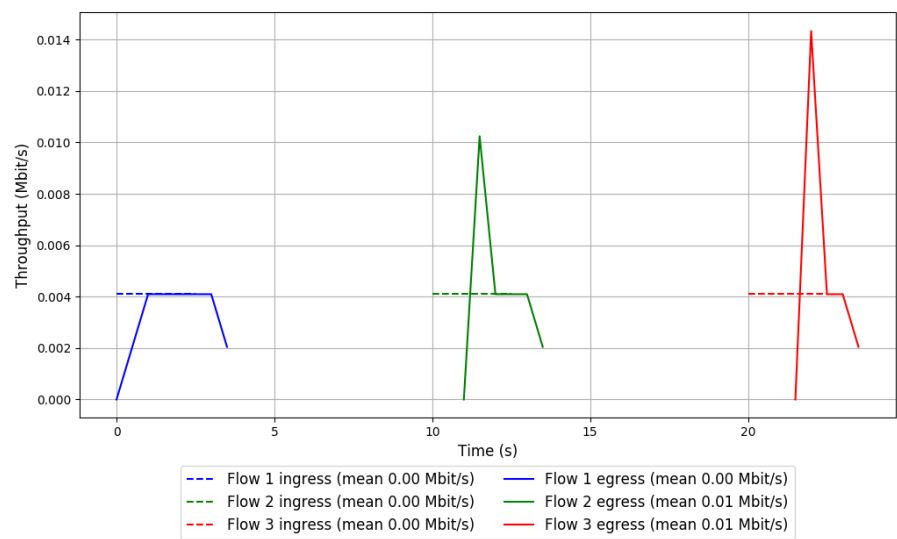
Start at: 2018-05-24 09:47:21

End at: 2018-05-24 09:47:51

Local clock offset: -2.819 ms

Remote clock offset: 14.692 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

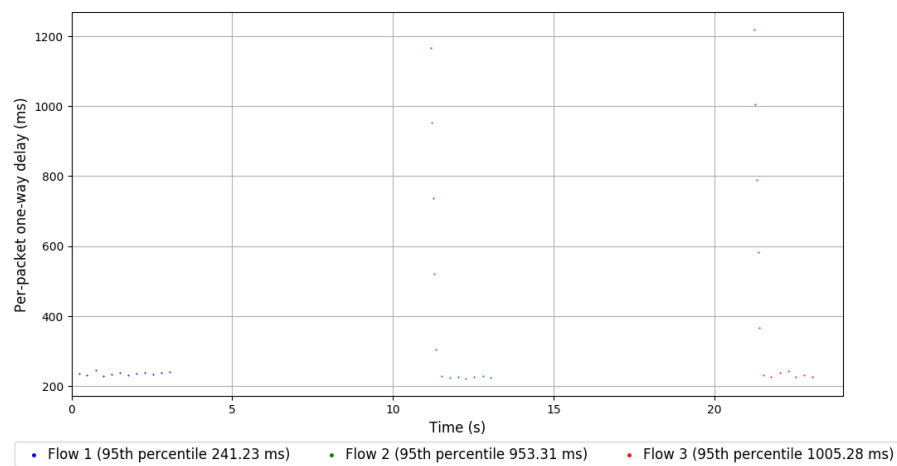
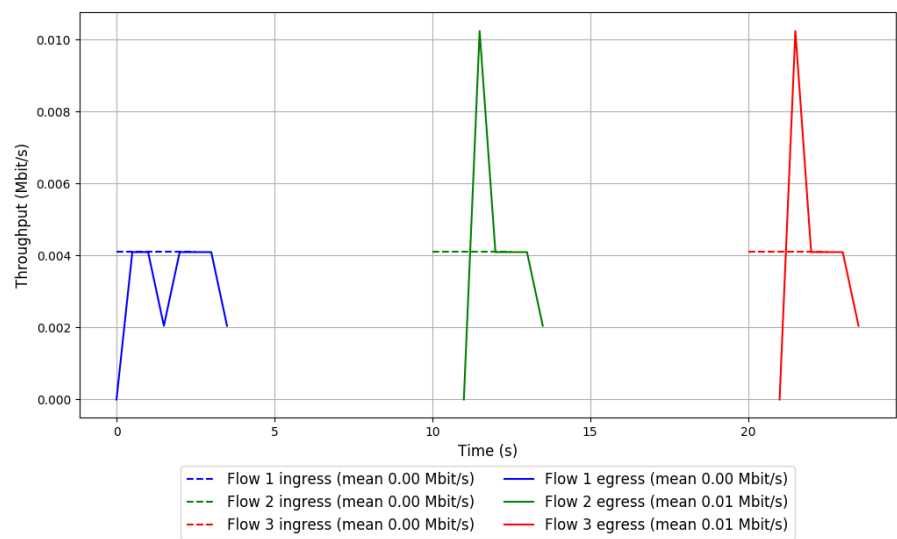
Start at: 2018-05-24 10:06:30

End at: 2018-05-24 10:07:00

Local clock offset: -2.001 ms

Remote clock offset: 11.247 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

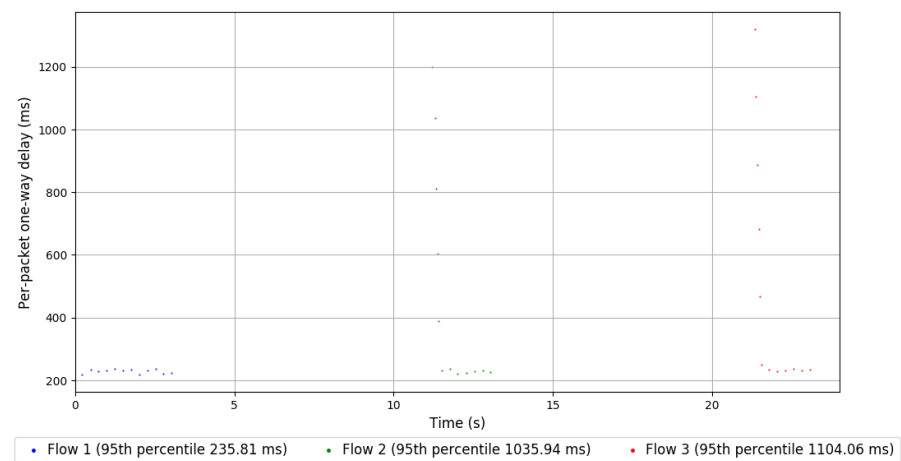
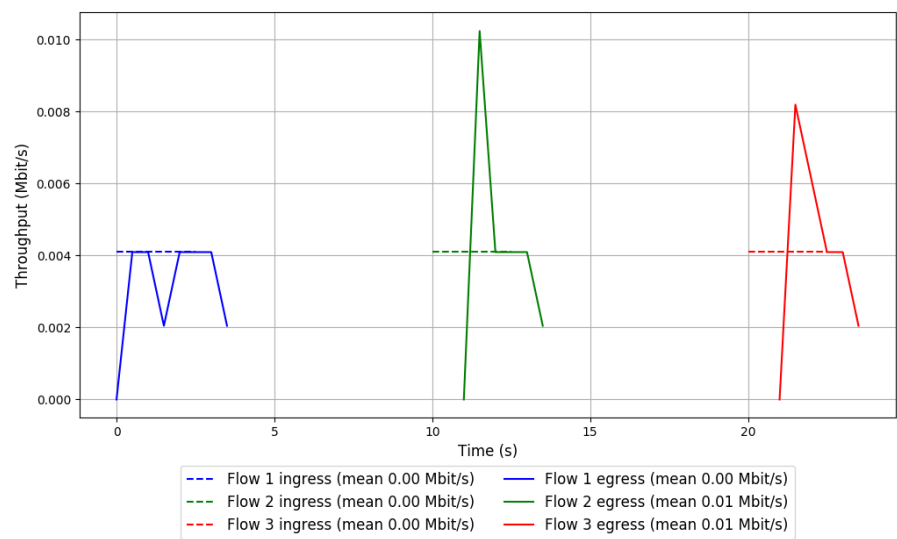
Start at: 2018-05-24 10:25:40

End at: 2018-05-24 10:26:10

Local clock offset: -3.518 ms

Remote clock offset: 10.942 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

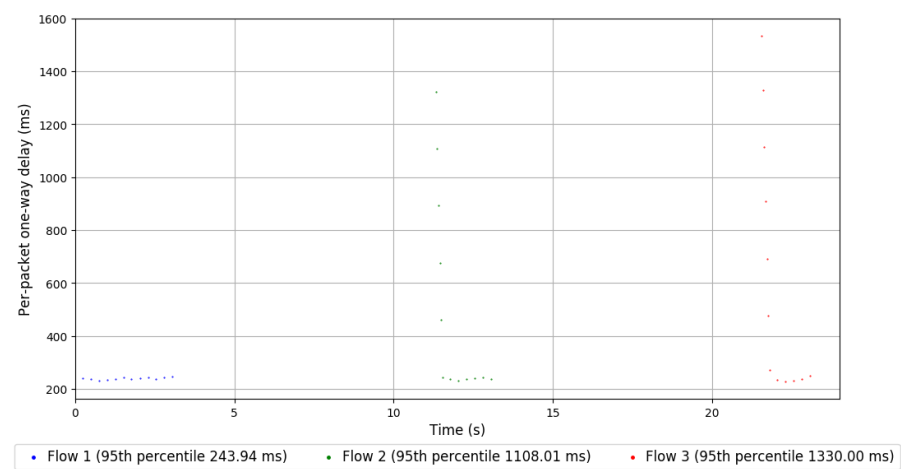
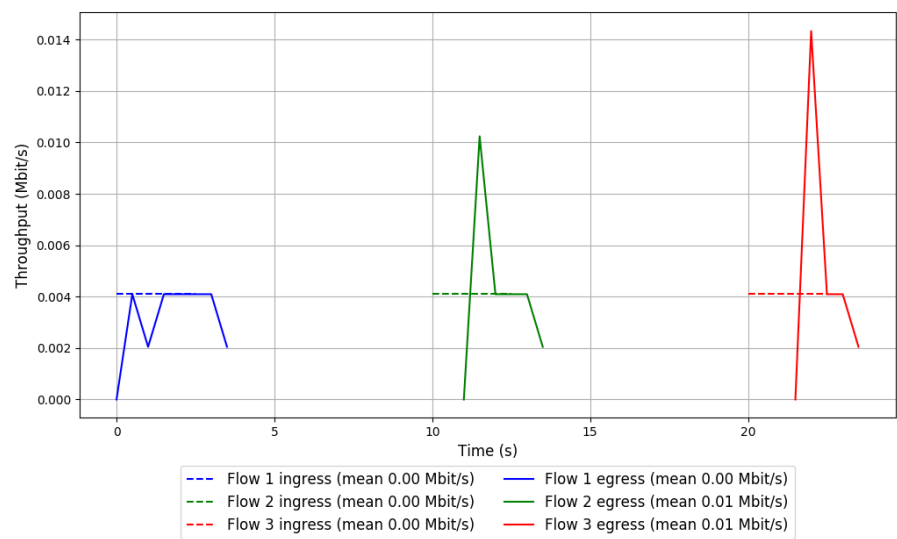
Start at: 2018-05-24 10:44:49

End at: 2018-05-24 10:45:19

Local clock offset: -2.899 ms

Remote clock offset: 14.588 ms

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

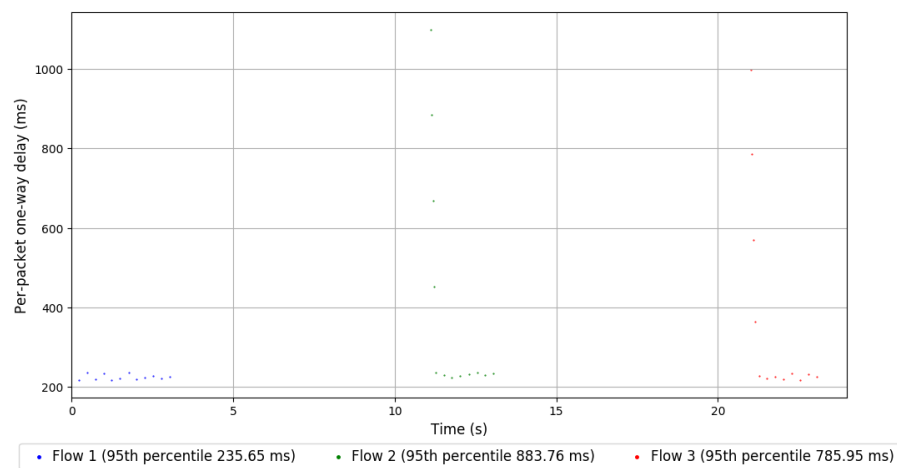
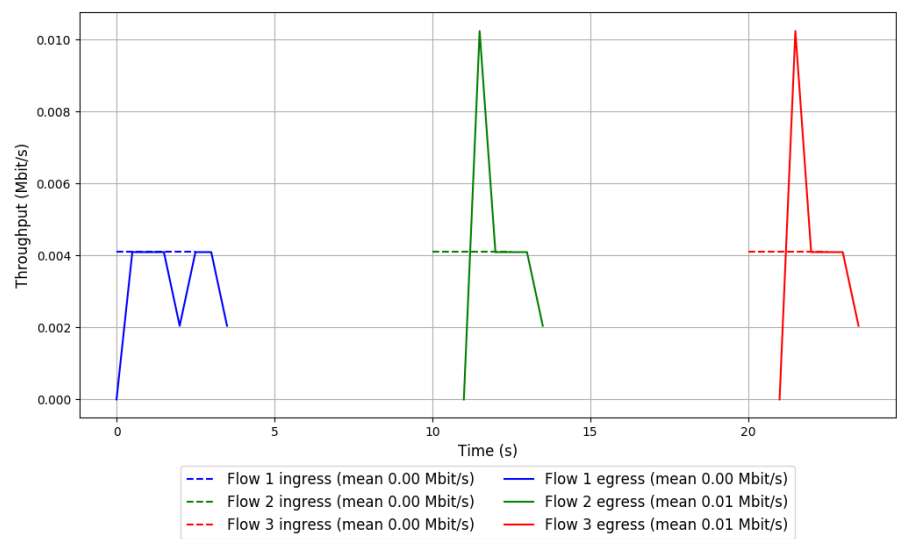
Start at: 2018-05-24 11:04:00

End at: 2018-05-24 11:04:30

Local clock offset: -2.203 ms

Remote clock offset: 7.478 ms

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

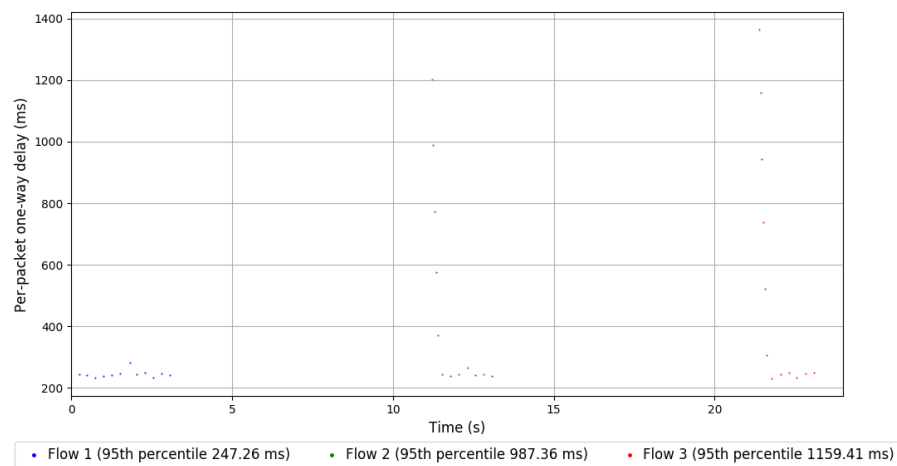
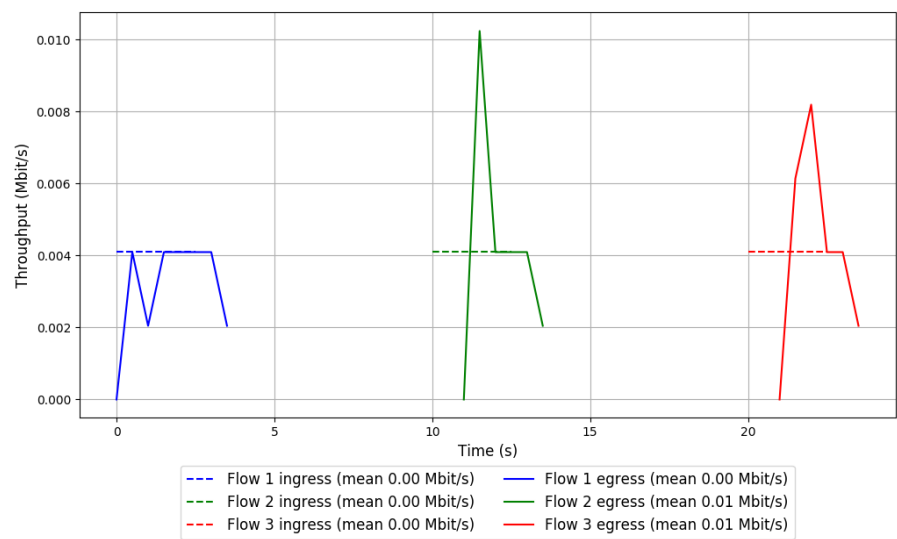
Start at: 2018-05-24 11:23:09

End at: 2018-05-24 11:23:39

Local clock offset: -2.204 ms

Remote clock offset: 6.294 ms

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

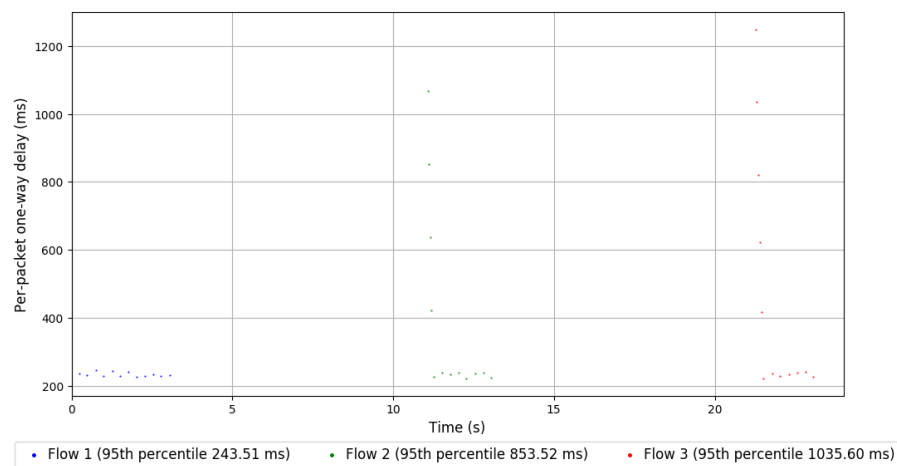
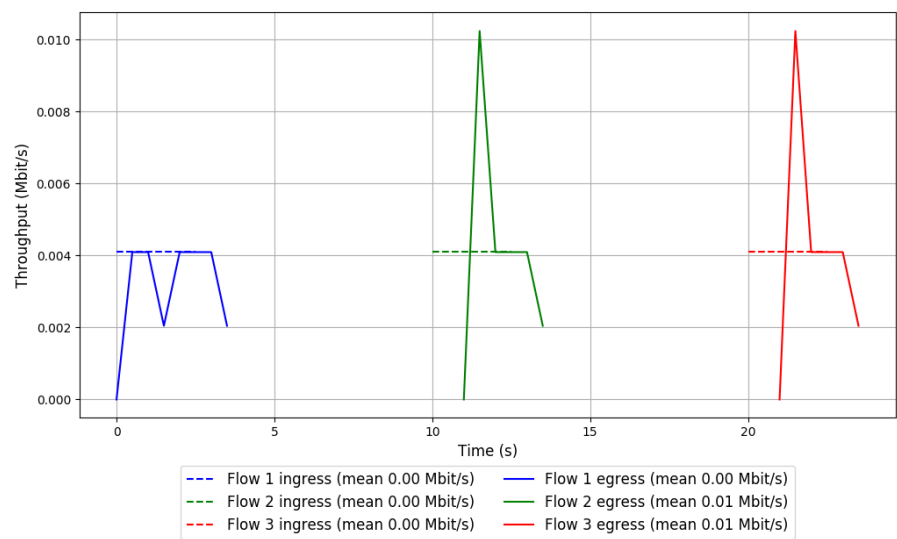
Start at: 2018-05-24 11:42:18

End at: 2018-05-24 11:42:48

Local clock offset: -1.202 ms

Remote clock offset: 7.356 ms

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

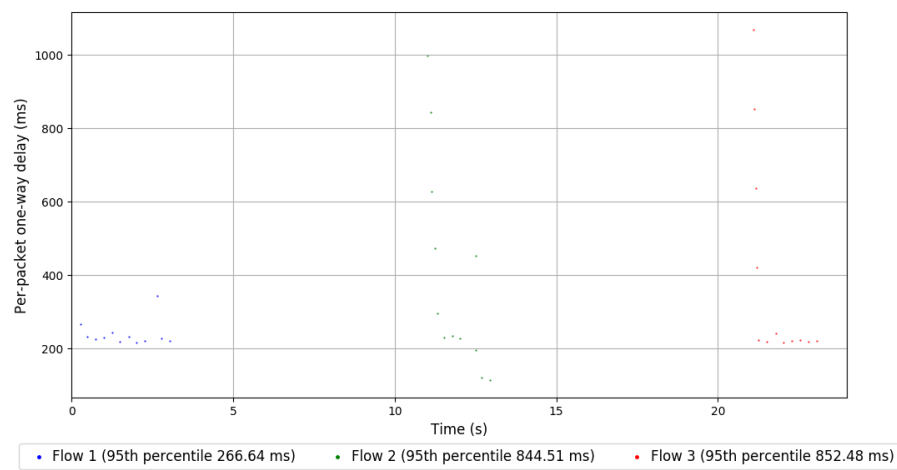
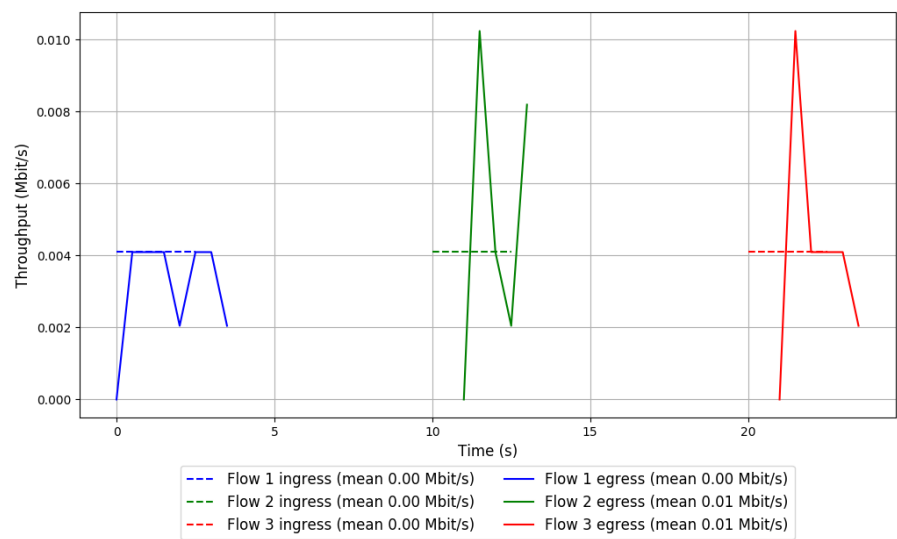
Start at: 2018-05-24 12:01:26

End at: 2018-05-24 12:01:56

Local clock offset: -2.005 ms

Remote clock offset: 11.998 ms

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

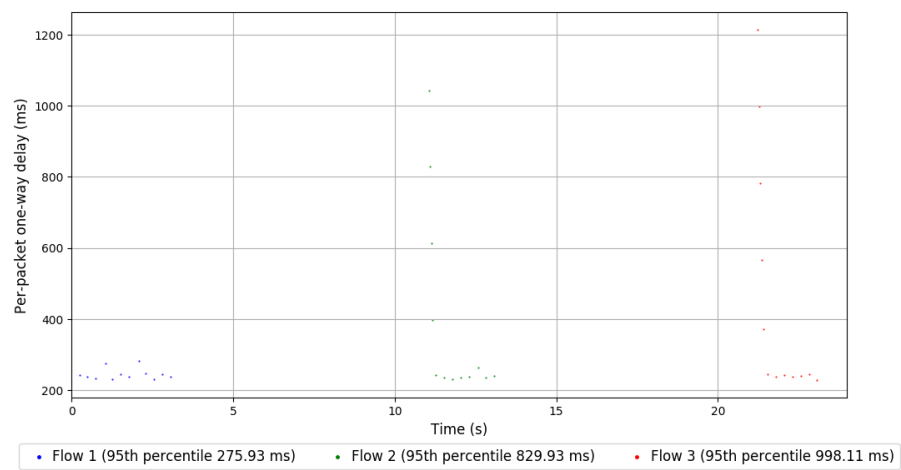
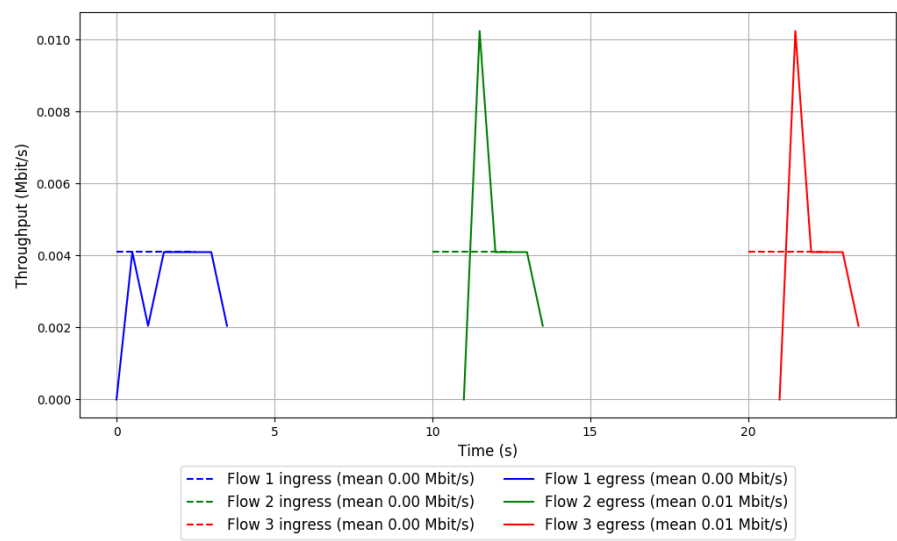
Start at: 2018-05-24 12:20:38

End at: 2018-05-24 12:21:08

Local clock offset: -4.132 ms

Remote clock offset: 9.995 ms

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-05-24 09:23:24

End at: 2018-05-24 09:23:54

Local clock offset: -3.197 ms

Remote clock offset: 6.48 ms

Below is generated by plot.py at 2018-05-24 12:26:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.37 Mbit/s

95th percentile per-packet one-way delay: 1343.729 ms

Loss rate: 4.77%

-- Flow 1:

Average throughput: 2.70 Mbit/s

95th percentile per-packet one-way delay: 1322.464 ms

Loss rate: 3.46%

-- Flow 2:

Average throughput: 0.74 Mbit/s

95th percentile per-packet one-way delay: 1373.371 ms

Loss rate: 6.24%

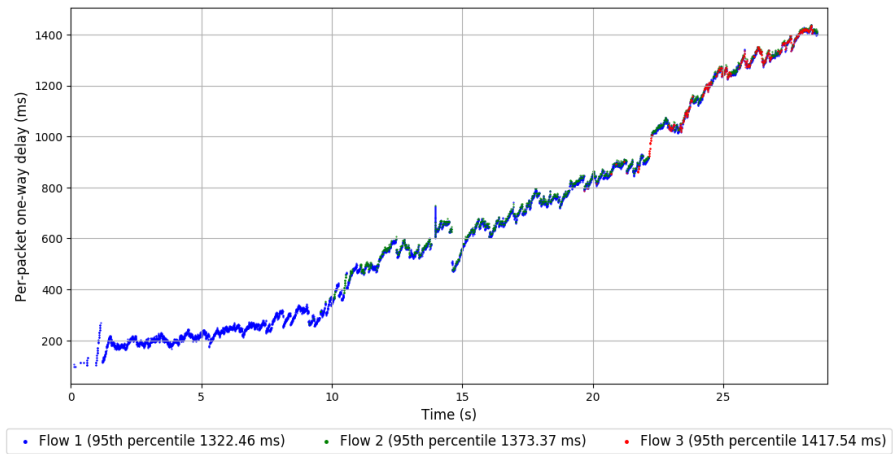
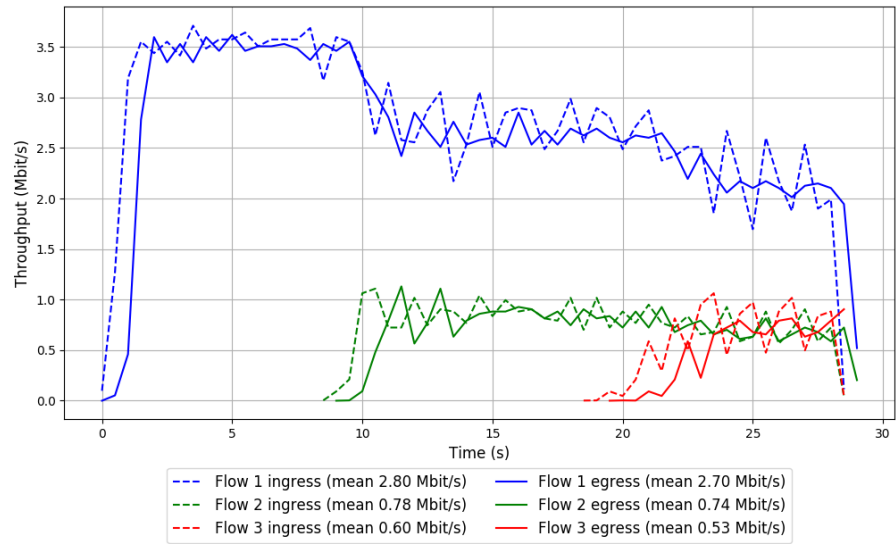
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 1417.544 ms

Loss rate: 19.11%

Run 1: Report of QUIC Cubic — Data Link

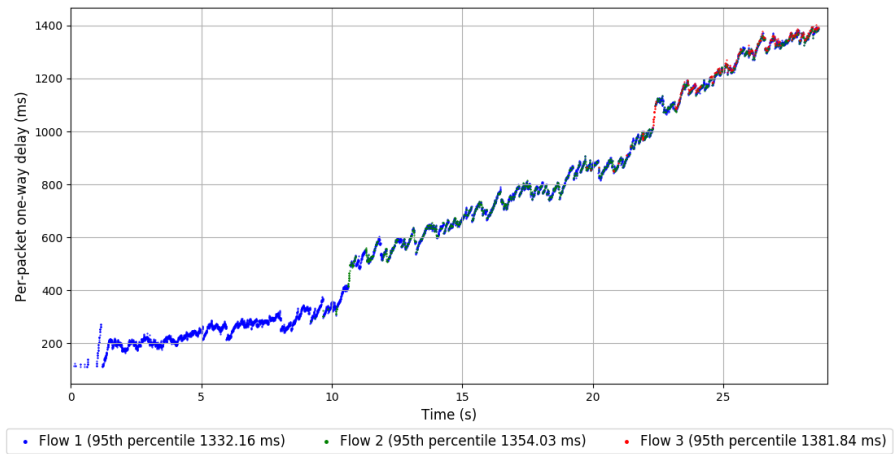
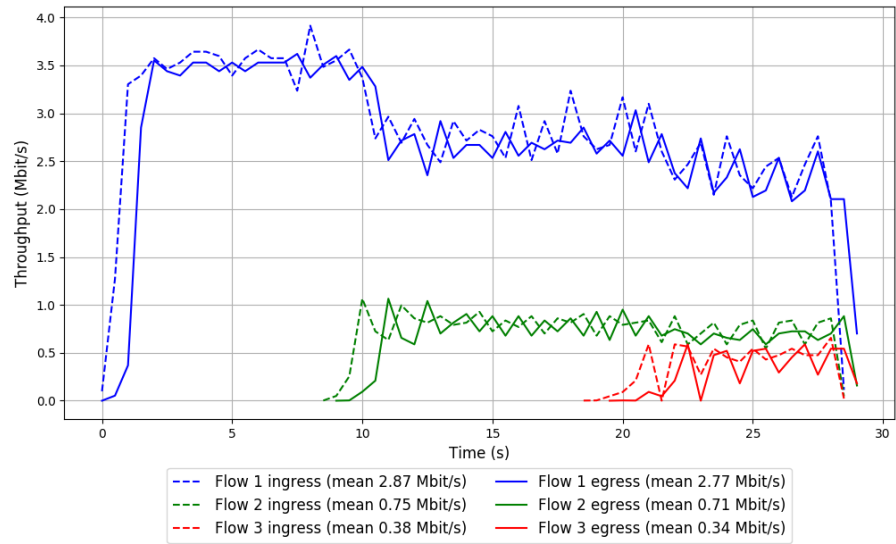


Run 2: Statistics of QUIC Cubic

Start at: 2018-05-24 09:42:33
End at: 2018-05-24 09:43:03
Local clock offset: -2.833 ms
Remote clock offset: 15.748 ms

Below is generated by plot.py at 2018-05-24 12:26:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 1344.117 ms
Loss rate: 4.77%
-- Flow 1:
Average throughput: 2.77 Mbit/s
95th percentile per-packet one-way delay: 1332.161 ms
Loss rate: 3.83%
-- Flow 2:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 1354.027 ms
Loss rate: 6.64%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 1381.836 ms
Loss rate: 18.07%

Run 2: Report of QUIC Cubic — Data Link

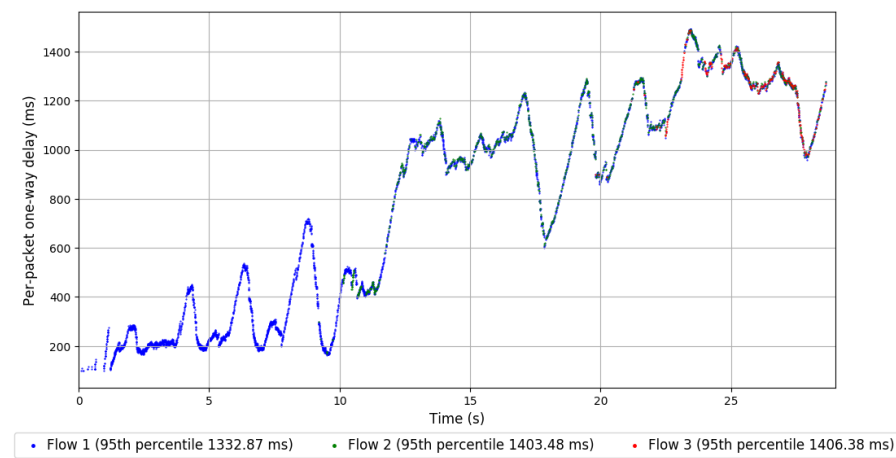
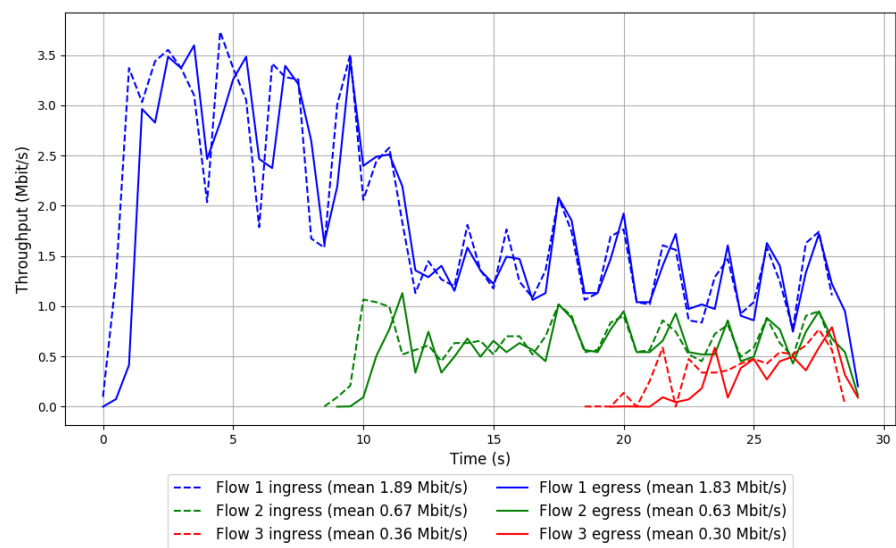


Run 3: Statistics of QUIC Cubic

Start at: 2018-05-24 10:01:42
End at: 2018-05-24 10:02:12
Local clock offset: -2.854 ms
Remote clock offset: 10.169 ms

Below is generated by plot.py at 2018-05-24 12:26:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 1355.977 ms
Loss rate: 4.77%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 1332.872 ms
Loss rate: 3.08%
-- Flow 2:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 1403.476 ms
Loss rate: 7.00%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 1406.379 ms
Loss rate: 22.72%

Run 3: Report of QUIC Cubic — Data Link

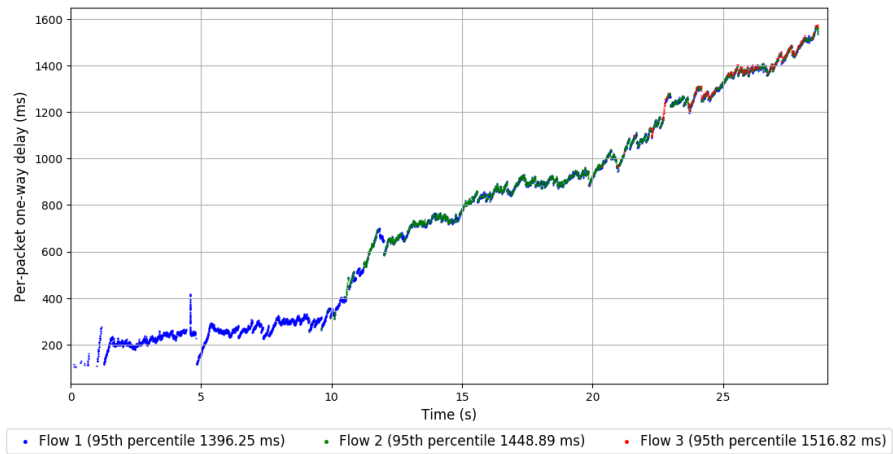
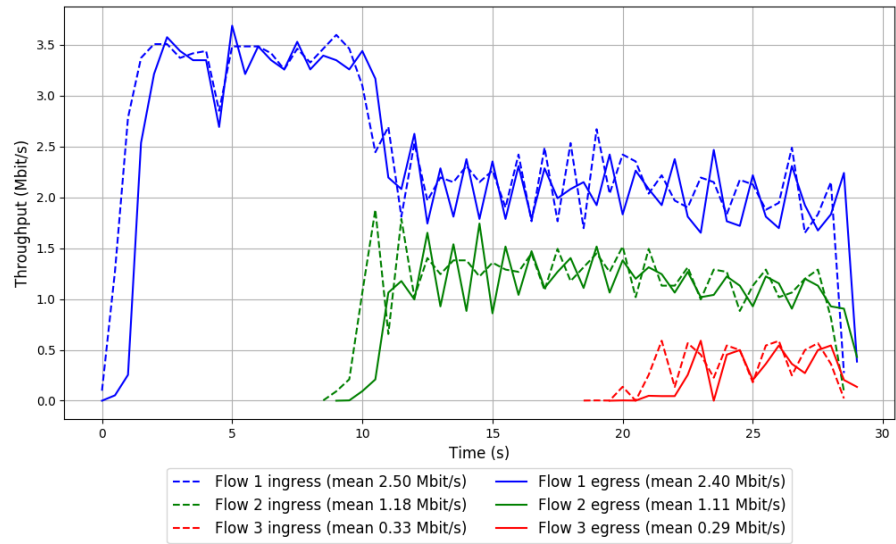


Run 4: Statistics of QUIC Cubic

Start at: 2018-05-24 10:20:52
End at: 2018-05-24 10:21:22
Local clock offset: -2.757 ms
Remote clock offset: 14.754 ms

Below is generated by plot.py at 2018-05-24 12:26:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 1436.231 ms
Loss rate: 5.21%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 1396.254 ms
Loss rate: 4.02%
-- Flow 2:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 1448.892 ms
Loss rate: 6.68%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 1516.821 ms
Loss rate: 21.15%

Run 4: Report of QUIC Cubic — Data Link

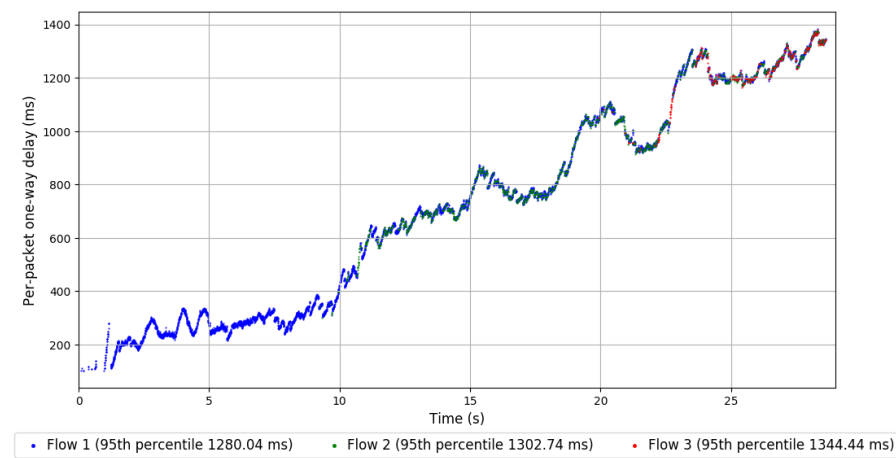
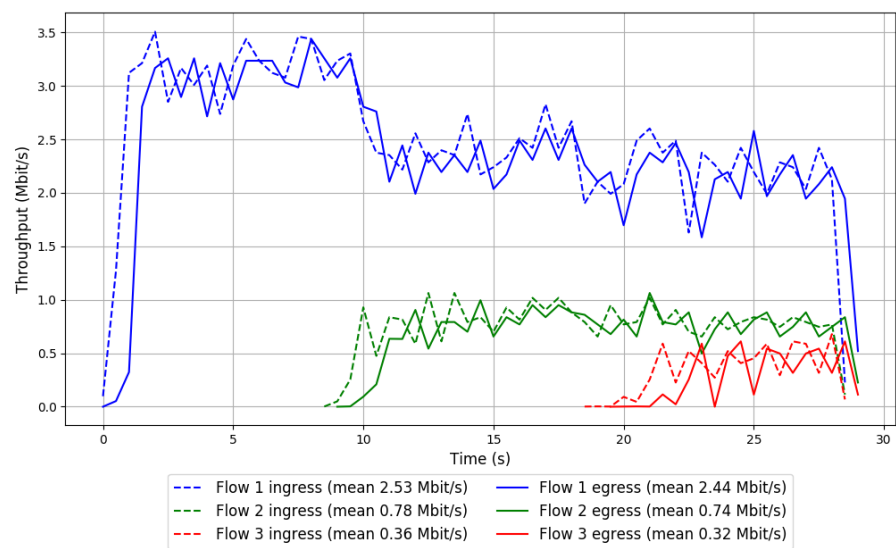


Run 5: Statistics of QUIC Cubic

Start at: 2018-05-24 10:40:01
End at: 2018-05-24 10:40:31
Local clock offset: -2.124 ms
Remote clock offset: 10.816 ms

Below is generated by plot.py at 2018-05-24 12:26:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 1290.725 ms
Loss rate: 4.87%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 1280.040 ms
Loss rate: 3.91%
-- Flow 2:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 1302.738 ms
Loss rate: 6.21%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 1344.440 ms
Loss rate: 18.91%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-24 10:59:13

End at: 2018-05-24 10:59:43

Local clock offset: -1.75 ms

Remote clock offset: 9.818 ms

Below is generated by plot.py at 2018-05-24 12:26:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.79 Mbit/s

95th percentile per-packet one-way delay: 1693.883 ms

Loss rate: 5.08%

-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 1517.324 ms

Loss rate: 3.59%

-- Flow 2:

Average throughput: 0.72 Mbit/s

95th percentile per-packet one-way delay: 1844.663 ms

Loss rate: 6.55%

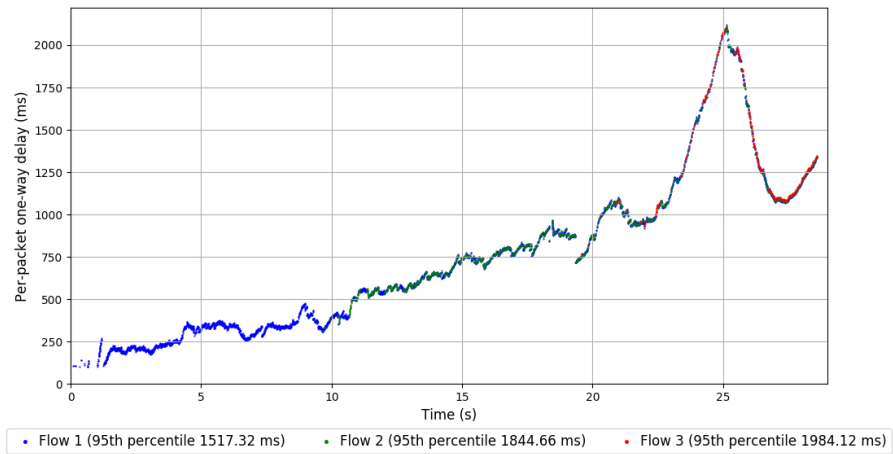
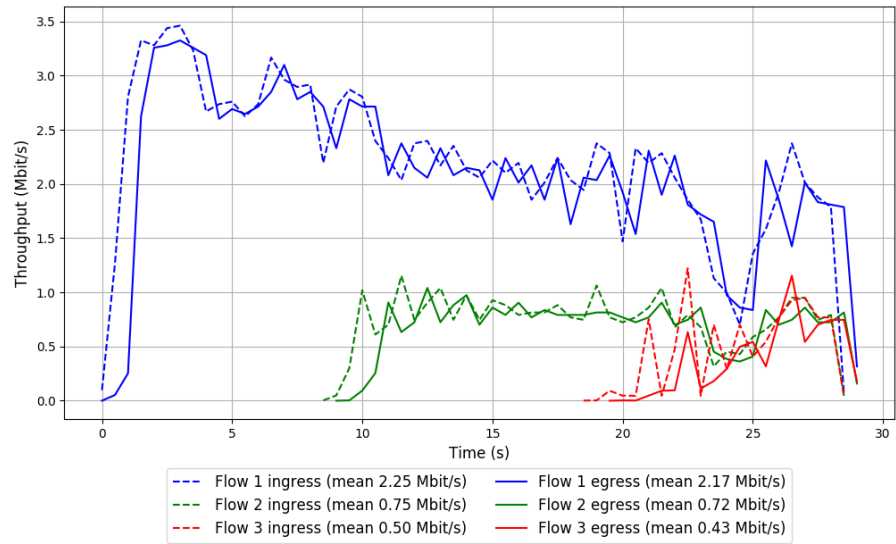
-- Flow 3:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1984.122 ms

Loss rate: 20.49%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-05-24 11:18:21

End at: 2018-05-24 11:18:51

Local clock offset: -0.788 ms

Remote clock offset: 3.24 ms

Below is generated by plot.py at 2018-05-24 12:26:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.85 Mbit/s

95th percentile per-packet one-way delay: 1722.803 ms

Loss rate: 6.11%

-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 1708.740 ms

Loss rate: 4.66%

-- Flow 2:

Average throughput: 0.93 Mbit/s

95th percentile per-packet one-way delay: 1740.388 ms

Loss rate: 8.09%

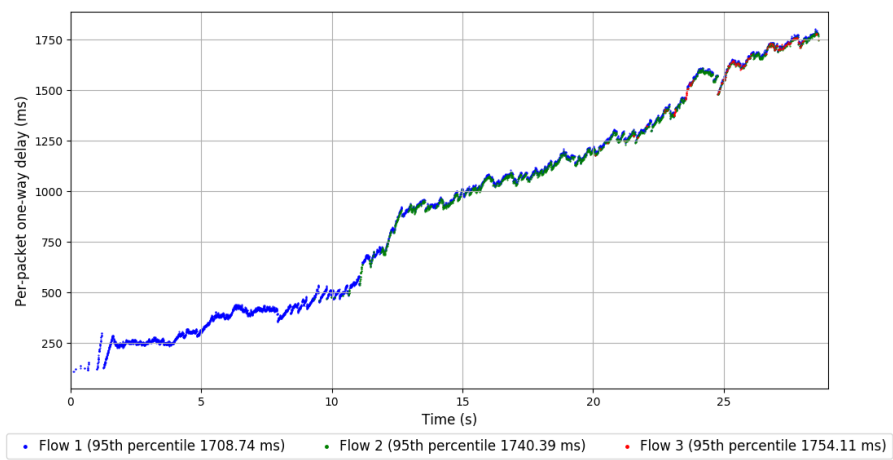
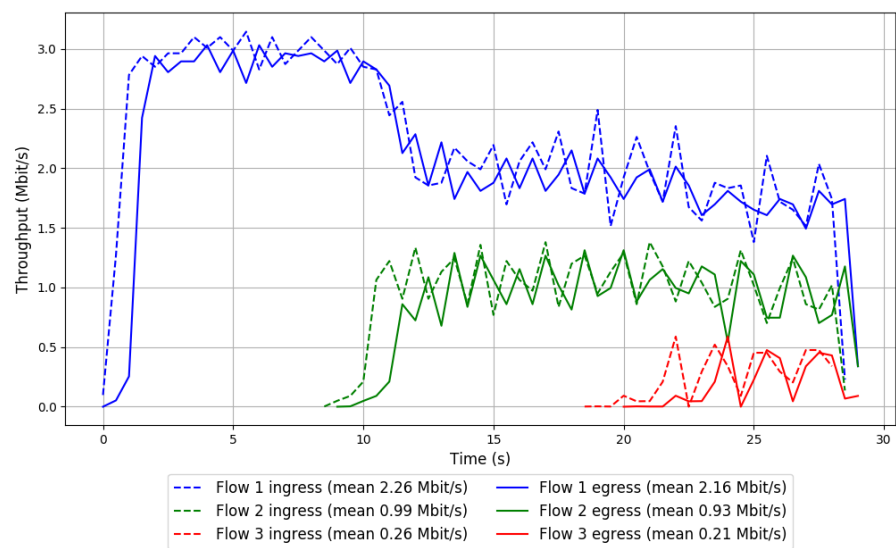
-- Flow 3:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 1754.110 ms

Loss rate: 28.49%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-05-24 11:37:30

End at: 2018-05-24 11:38:00

Local clock offset: -1.97 ms

Remote clock offset: 9.21 ms

Below is generated by plot.py at 2018-05-24 12:26:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.99 Mbit/s

95th percentile per-packet one-way delay: 1571.876 ms

Loss rate: 5.72%

-- Flow 1:

Average throughput: 2.46 Mbit/s

95th percentile per-packet one-way delay: 1553.556 ms

Loss rate: 4.36%

-- Flow 2:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 1621.815 ms

Loss rate: 8.39%

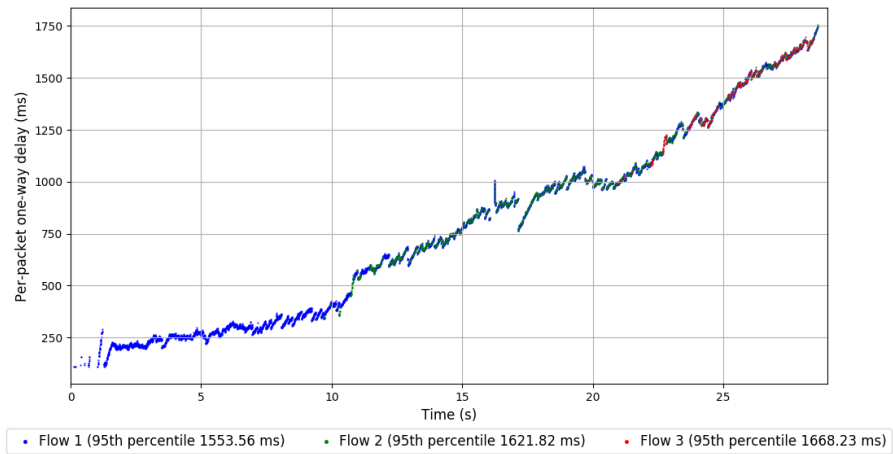
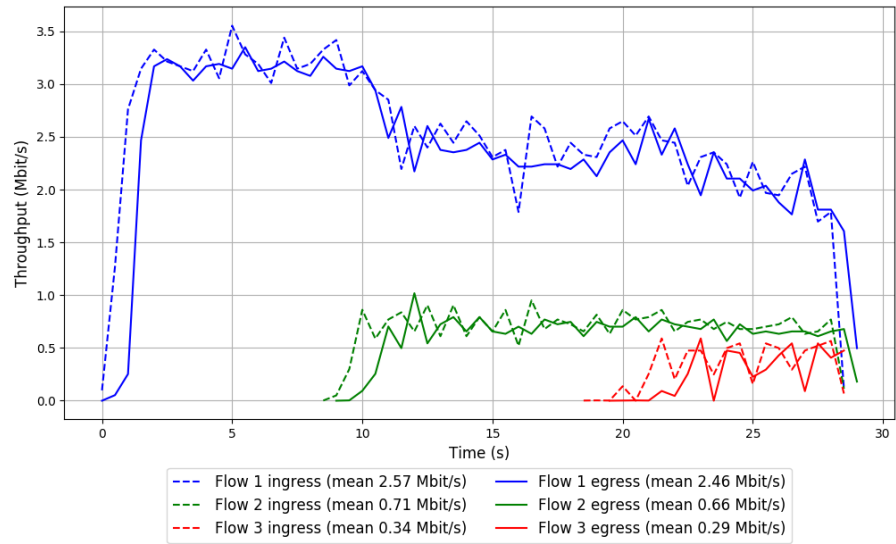
-- Flow 3:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 1668.233 ms

Loss rate: 24.86%

Run 8: Report of QUIC Cubic — Data Link

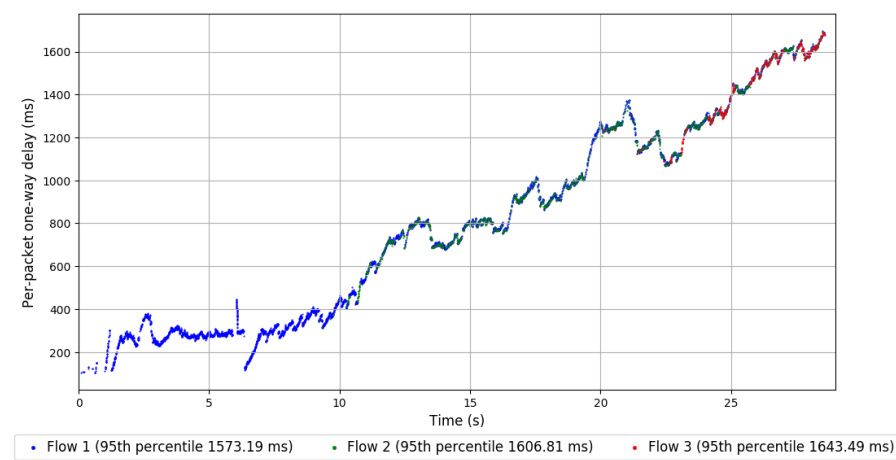
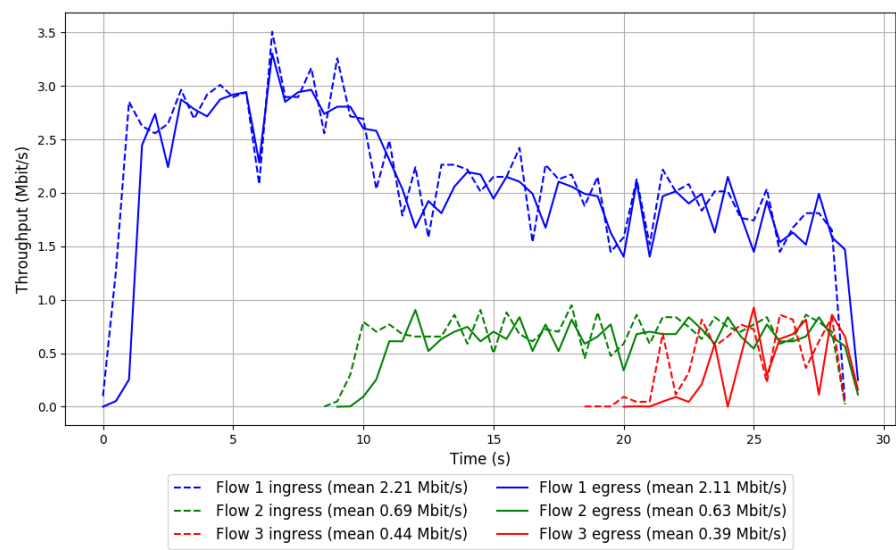


Run 9: Statistics of QUIC Cubic

Start at: 2018-05-24 11:56:39
End at: 2018-05-24 11:57:09
Local clock offset: -1.916 ms
Remote clock offset: 12.008 ms

Below is generated by plot.py at 2018-05-24 12:26:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.66 Mbit/s
95th percentile per-packet one-way delay: 1598.102 ms
Loss rate: 6.22%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 1573.191 ms
Loss rate: 4.46%
-- Flow 2:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 1606.805 ms
Loss rate: 9.12%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 1643.489 ms
Loss rate: 22.98%

Run 9: Report of QUIC Cubic — Data Link

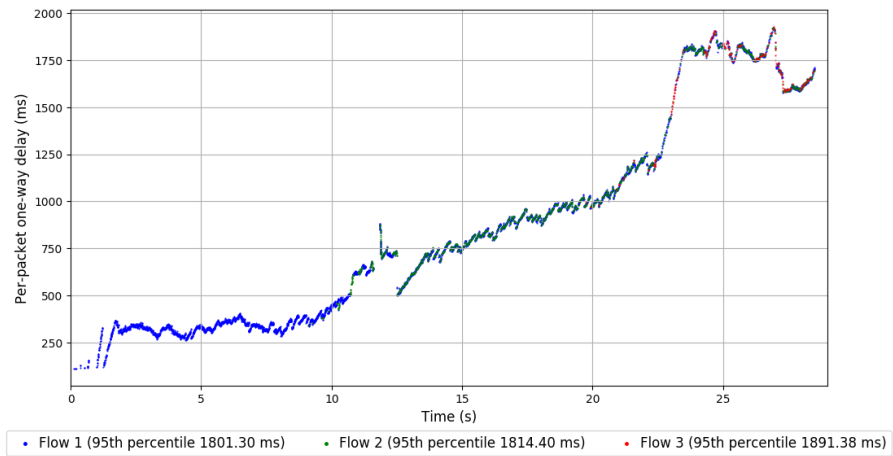
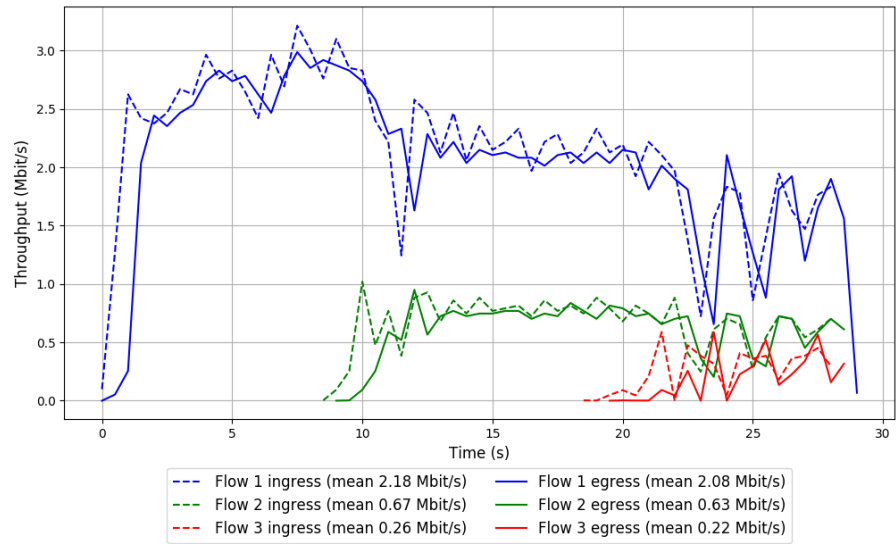


Run 10: Statistics of QUIC Cubic

Start at: 2018-05-24 12:15:50
End at: 2018-05-24 12:16:20
Local clock offset: -3.187 ms
Remote clock offset: 11.116 ms

Below is generated by plot.py at 2018-05-24 12:26:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 1808.667 ms
Loss rate: 5.69%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 1801.300 ms
Loss rate: 4.42%
-- Flow 2:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 1814.404 ms
Loss rate: 7.96%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1891.378 ms
Loss rate: 25.15%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2018-05-24 09:15:01

End at: 2018-05-24 09:15:31

Local clock offset: -3.927 ms

Remote clock offset: 6.433 ms

Below is generated by plot.py at 2018-05-24 12:26:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 120.574 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 120.402 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 120.569 ms

Loss rate: 0.18%

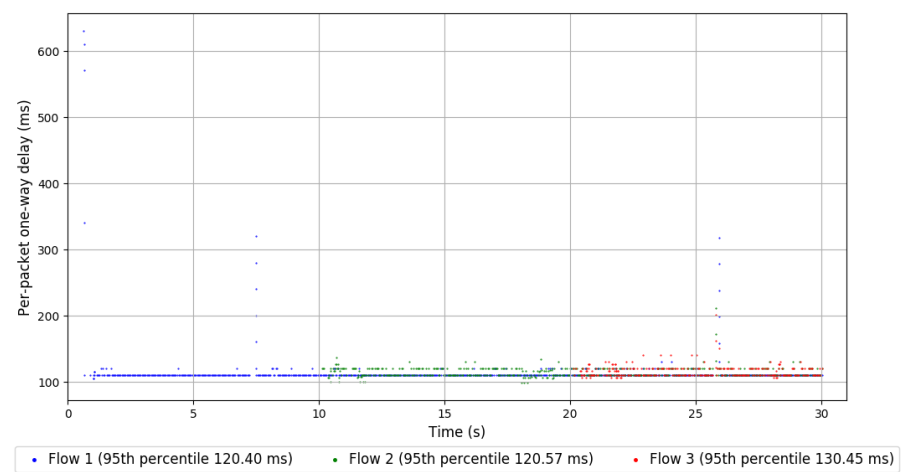
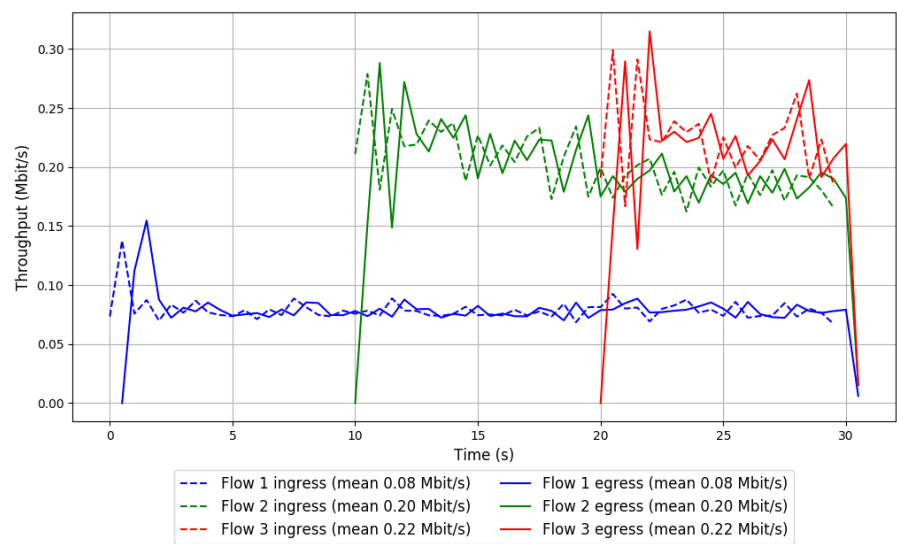
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 130.452 ms

Loss rate: 0.35%

Run 1: Report of SReAM — Data Link

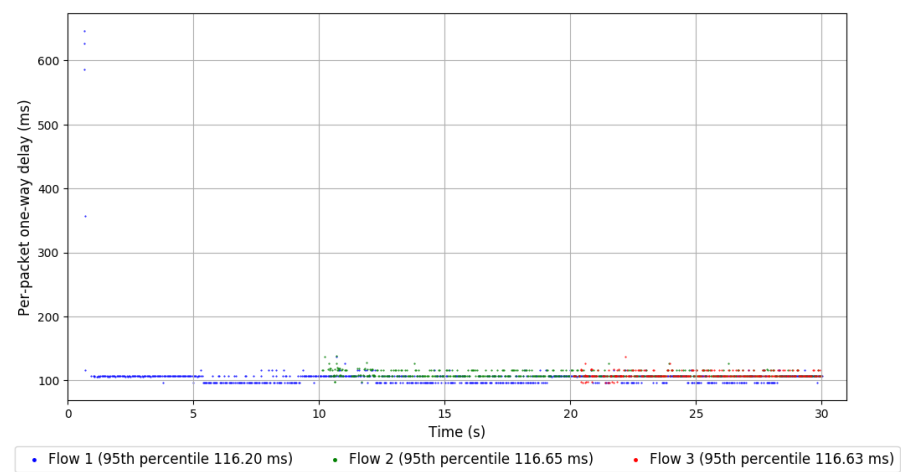
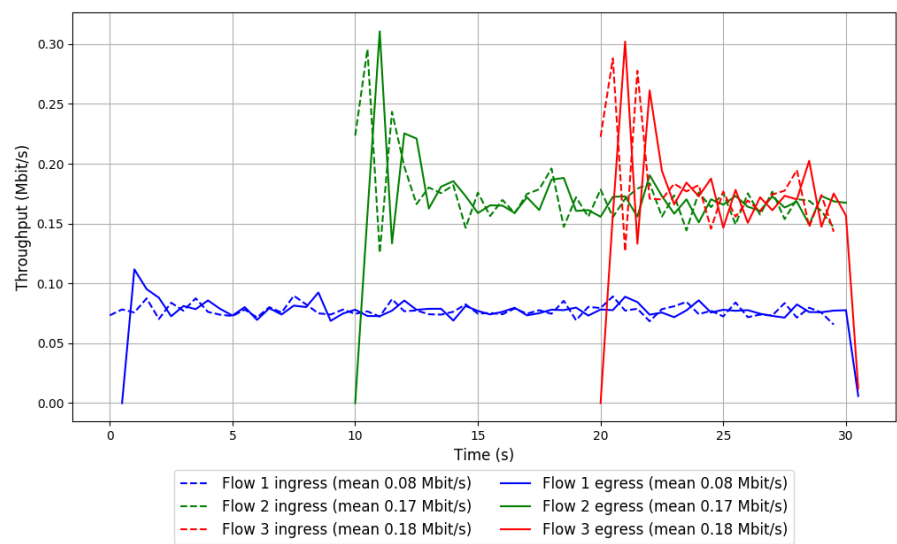


Run 2: Statistics of SReAM

Start at: 2018-05-24 09:34:10
End at: 2018-05-24 09:34:40
Local clock offset: -2.967 ms
Remote clock offset: 9.953 ms

Below is generated by plot.py at 2018-05-24 12:26:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 116.597 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 116.199 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 116.654 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 116.627 ms
Loss rate: 0.34%

Run 2: Report of SReAM — Data Link

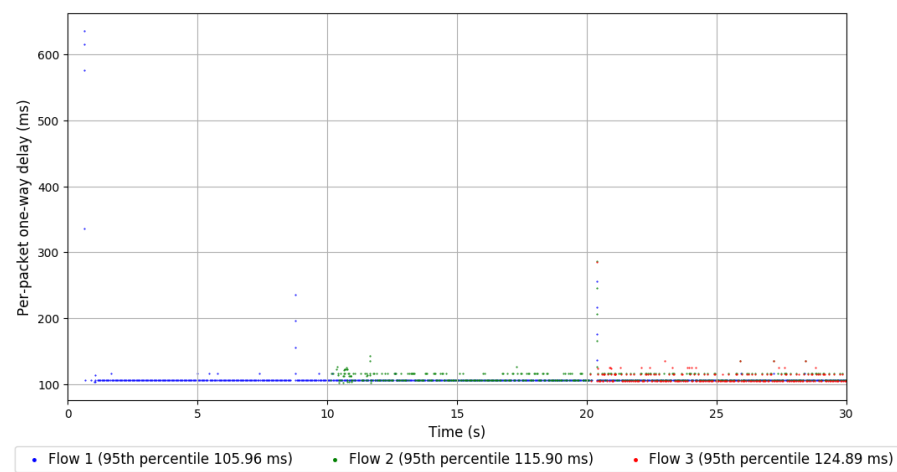
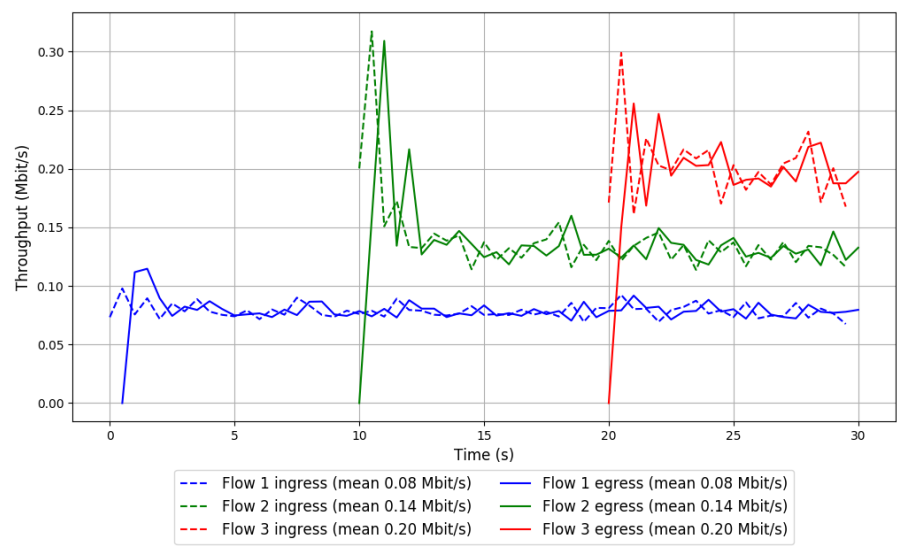


Run 3: Statistics of SReAM

Start at: 2018-05-24 09:53:19
End at: 2018-05-24 09:53:49
Local clock offset: -2.023 ms
Remote clock offset: 11.544 ms

Below is generated by plot.py at 2018-05-24 12:26:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 115.830 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 105.960 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 115.904 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 124.891 ms
Loss rate: 0.35%

Run 3: Report of SReAM — Data Link

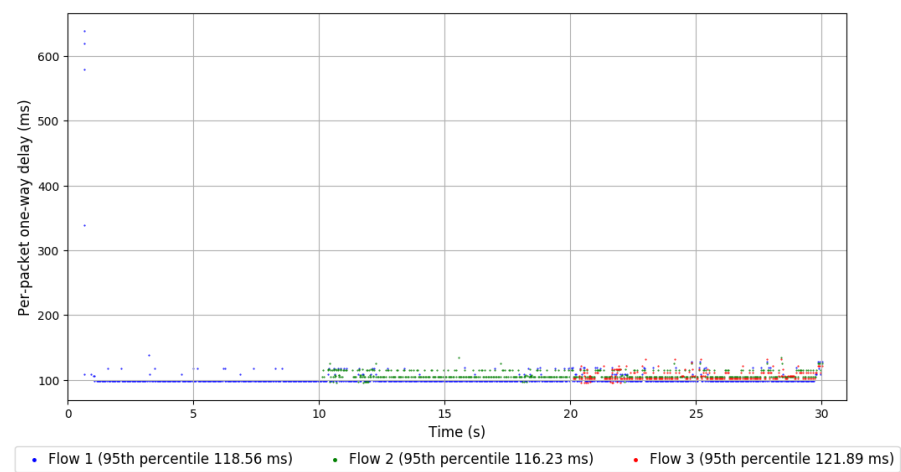
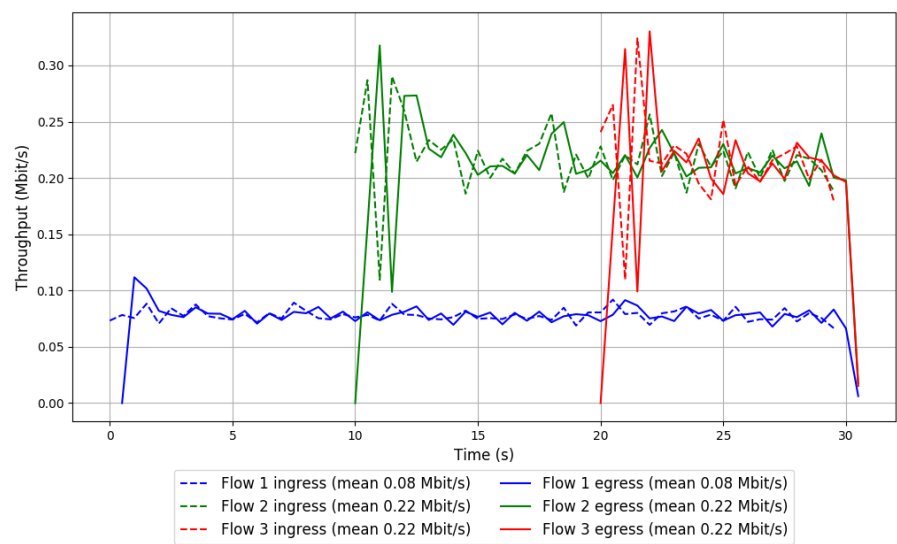


Run 4: Statistics of SReAM

Start at: 2018-05-24 10:12:29
End at: 2018-05-24 10:12:59
Local clock offset: -2.825 ms
Remote clock offset: 11.416 ms

Below is generated by plot.py at 2018-05-24 12:26:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 118.517 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 118.559 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 116.227 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 121.888 ms
Loss rate: 0.36%

Run 4: Report of SReAM — Data Link

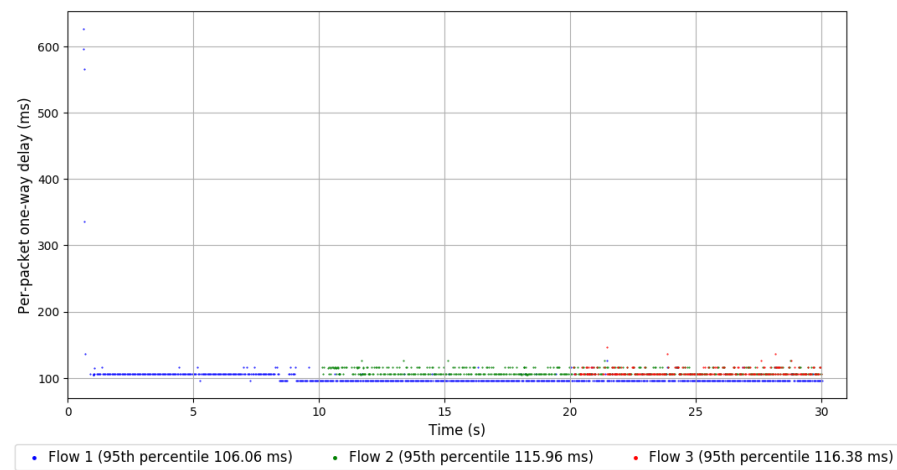
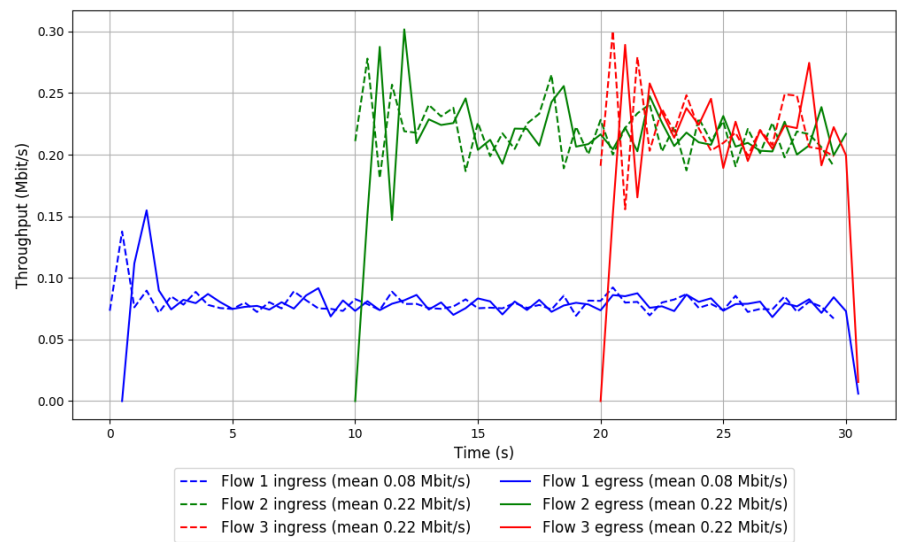


Run 5: Statistics of SReAM

Start at: 2018-05-24 10:31:37
End at: 2018-05-24 10:32:08
Local clock offset: -2.054 ms
Remote clock offset: 11.063 ms

Below is generated by plot.py at 2018-05-24 12:26:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 115.971 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 106.058 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 115.957 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 116.380 ms
Loss rate: 0.35%

Run 5: Report of SReAM — Data Link

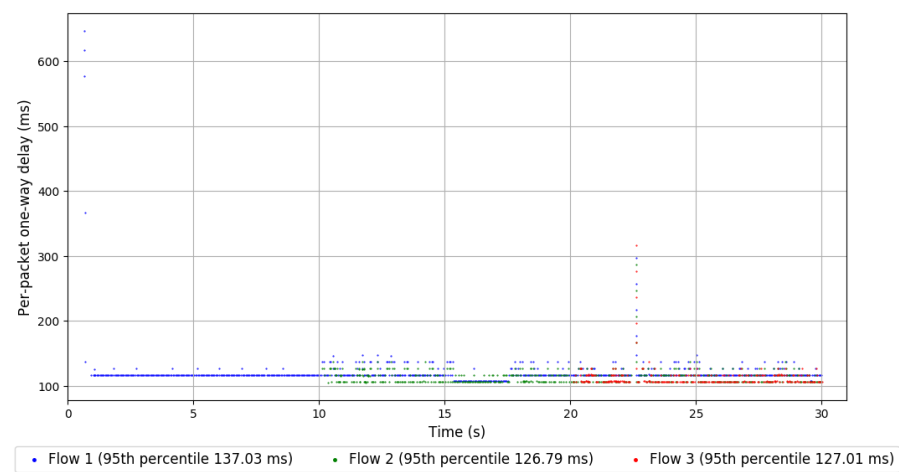
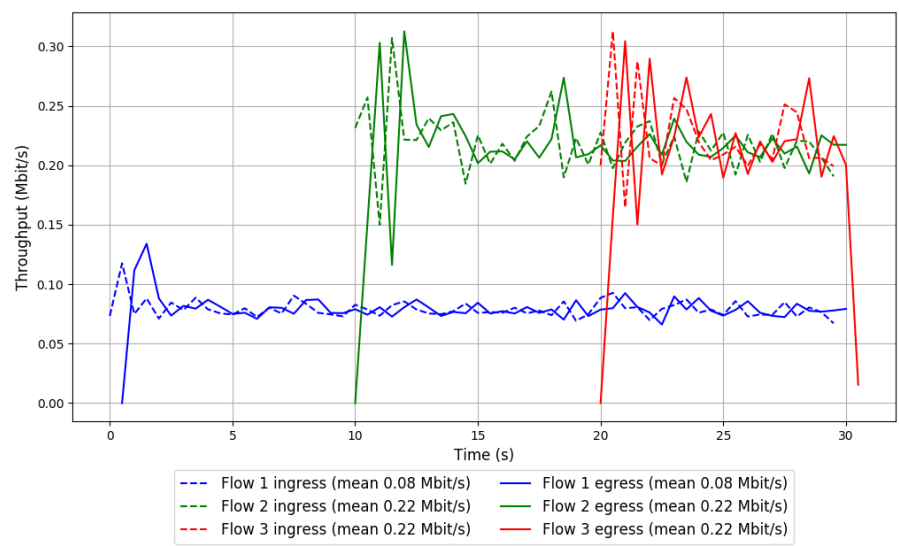


Run 6: Statistics of SReAM

Start at: 2018-05-24 10:50:49
End at: 2018-05-24 10:51:19
Local clock offset: -2.91 ms
Remote clock offset: 10.929 ms

Below is generated by plot.py at 2018-05-24 12:26:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 136.859 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 137.031 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 126.794 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 127.006 ms
Loss rate: 0.35%

Run 6: Report of SReAM — Data Link

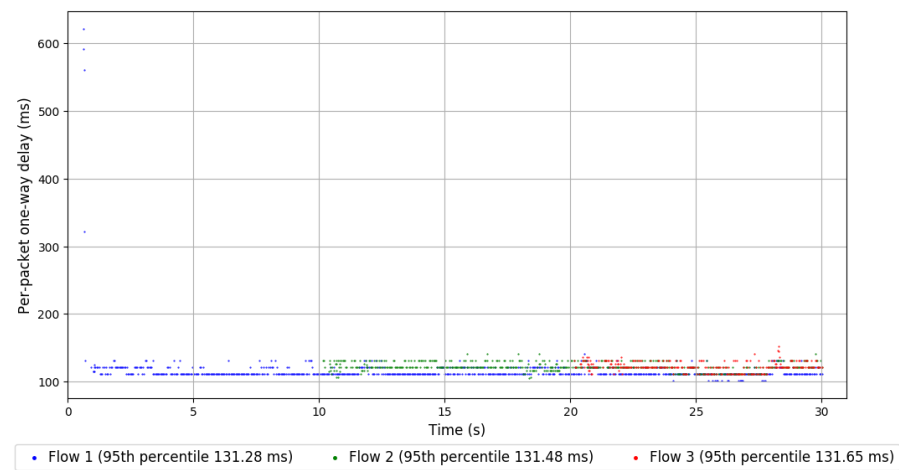
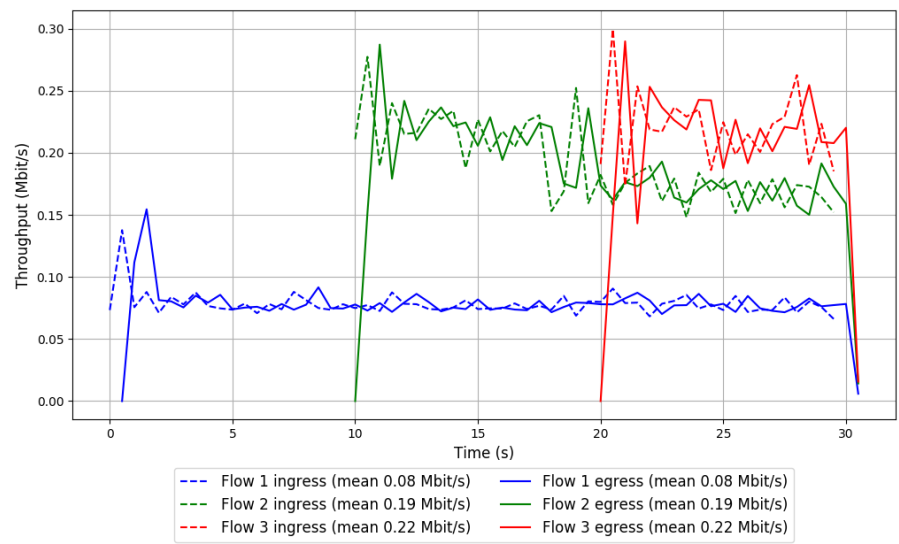


Run 7: Statistics of SReAM

Start at: 2018-05-24 11:09:58
End at: 2018-05-24 11:10:28
Local clock offset: -2.641 ms
Remote clock offset: 8.79 ms

```
# Below is generated by plot.py at 2018-05-24 12:26:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 131.546 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 131.276 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 131.480 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 131.651 ms
Loss rate: 0.36%
```


Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-05-24 11:29:07

End at: 2018-05-24 11:29:37

Local clock offset: -2.164 ms

Remote clock offset: 5.739 ms

Below is generated by plot.py at 2018-05-24 12:26:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 141.625 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 141.671 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.541 ms

Loss rate: 0.19%

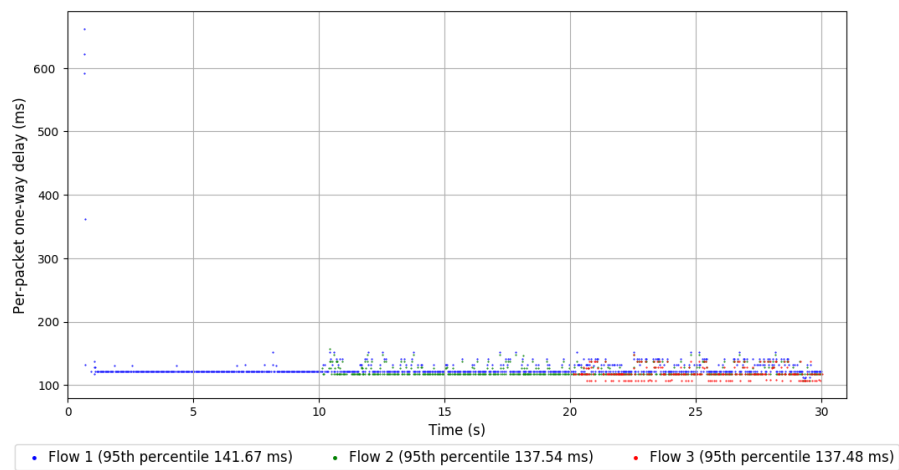
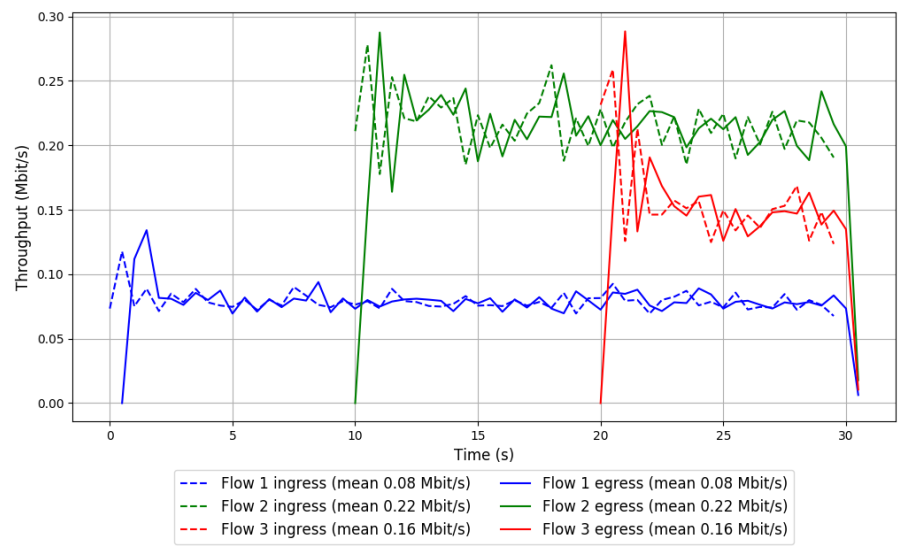
-- Flow 3:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 137.478 ms

Loss rate: 0.33%

Run 8: Report of SReAM — Data Link

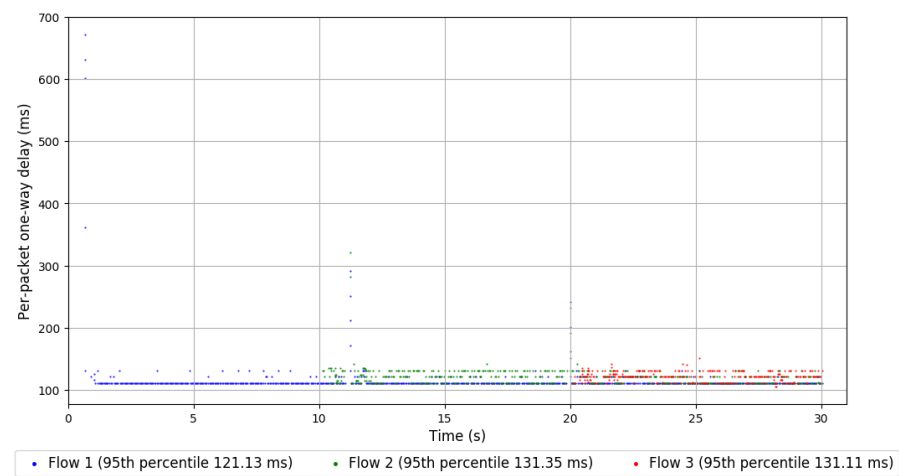
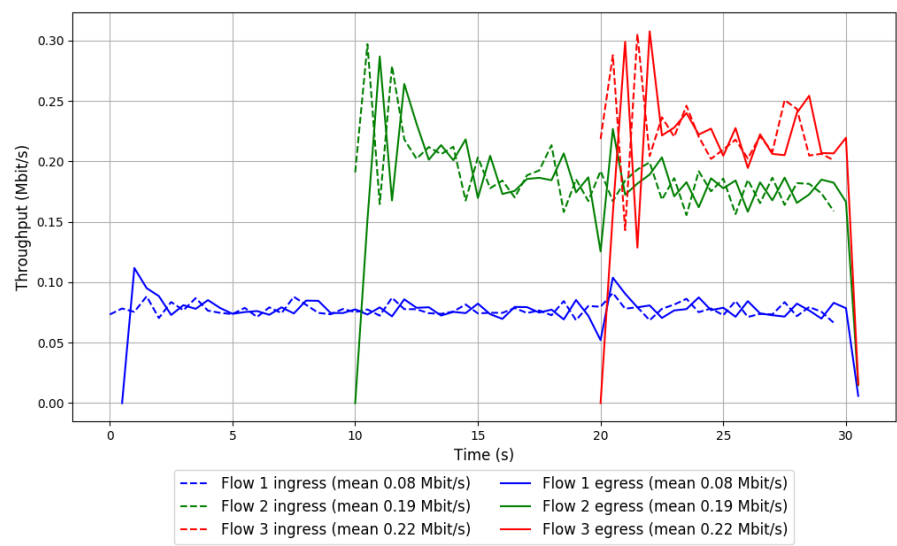


Run 9: Statistics of SReAM

Start at: 2018-05-24 11:48:16
End at: 2018-05-24 11:48:46
Local clock offset: -1.023 ms
Remote clock offset: 14.865 ms

Below is generated by plot.py at 2018-05-24 12:26:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 131.282 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 121.126 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 131.347 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 131.107 ms
Loss rate: 0.35%

Run 9: Report of SReAM — Data Link

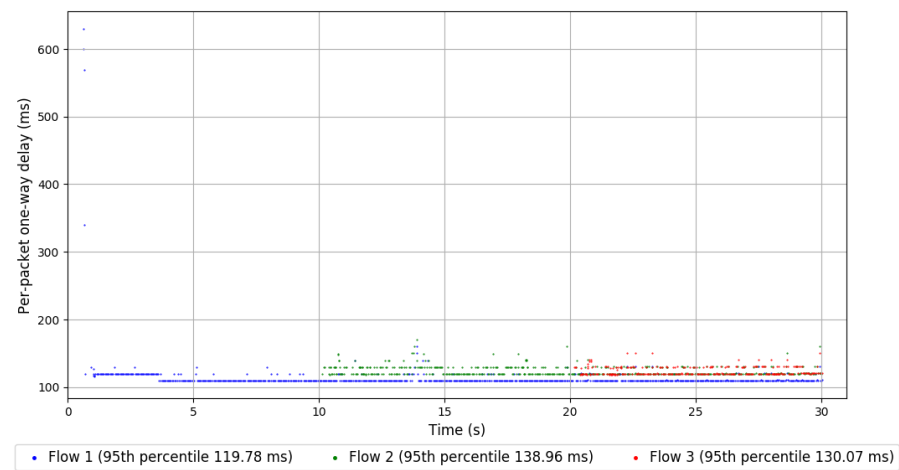
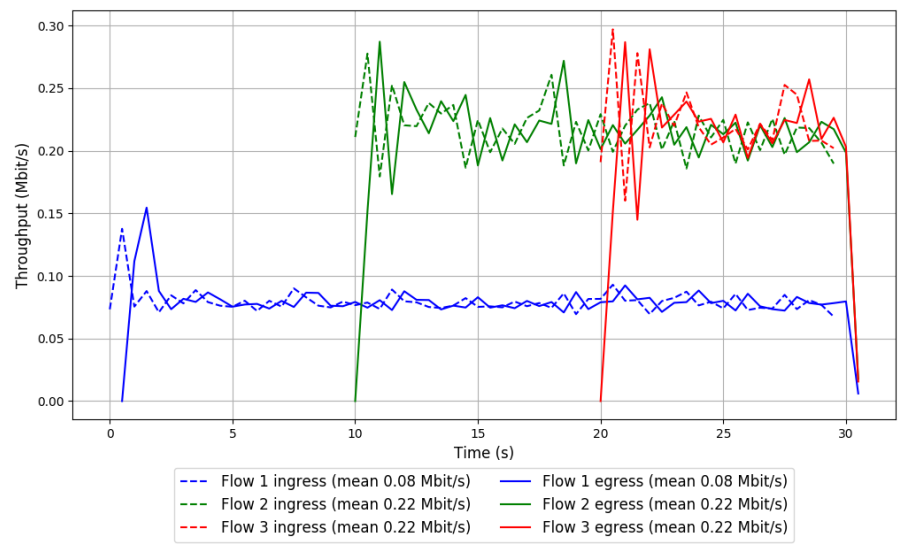


Run 10: Statistics of SReAM

Start at: 2018-05-24 12:07:25
End at: 2018-05-24 12:07:55
Local clock offset: -2.646 ms
Remote clock offset: 16.877 ms

Below is generated by plot.py at 2018-05-24 12:26:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 129.941 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 119.785 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 138.962 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 130.071 ms
Loss rate: 0.35%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-05-24 09:13:49

End at: 2018-05-24 09:14:19

Local clock offset: -3.154 ms

Remote clock offset: 2.679 ms

Below is generated by plot.py at 2018-05-24 12:26:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 135.458 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 135.635 ms

Loss rate: 0.88%

-- Flow 2:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 135.017 ms

Loss rate: 0.36%

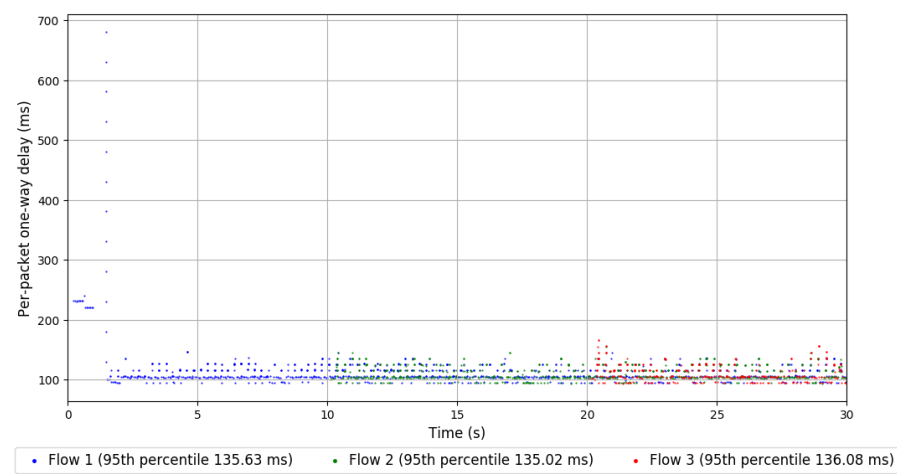
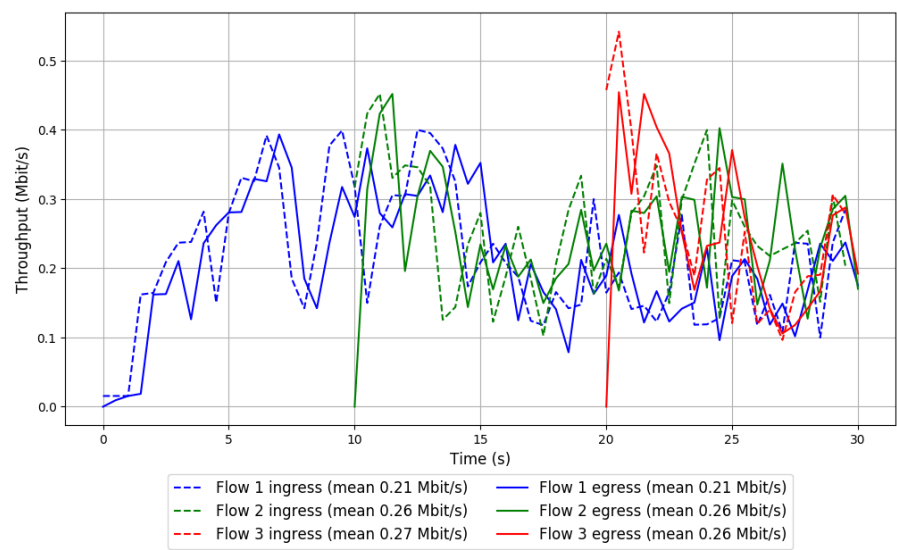
-- Flow 3:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 136.083 ms

Loss rate: 2.05%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-05-24 09:32:58

End at: 2018-05-24 09:33:28

Local clock offset: -3.762 ms

Remote clock offset: 8.802 ms

Below is generated by plot.py at 2018-05-24 12:26:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 135.204 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 134.173 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 135.007 ms

Loss rate: 0.02%

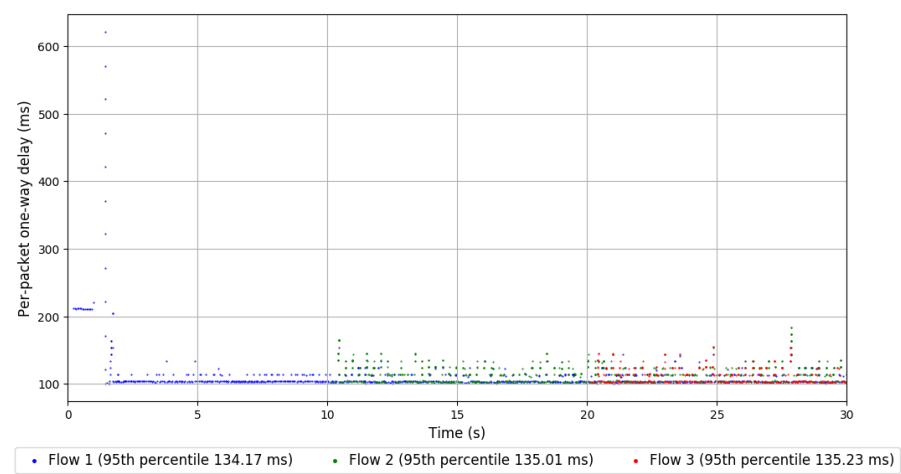
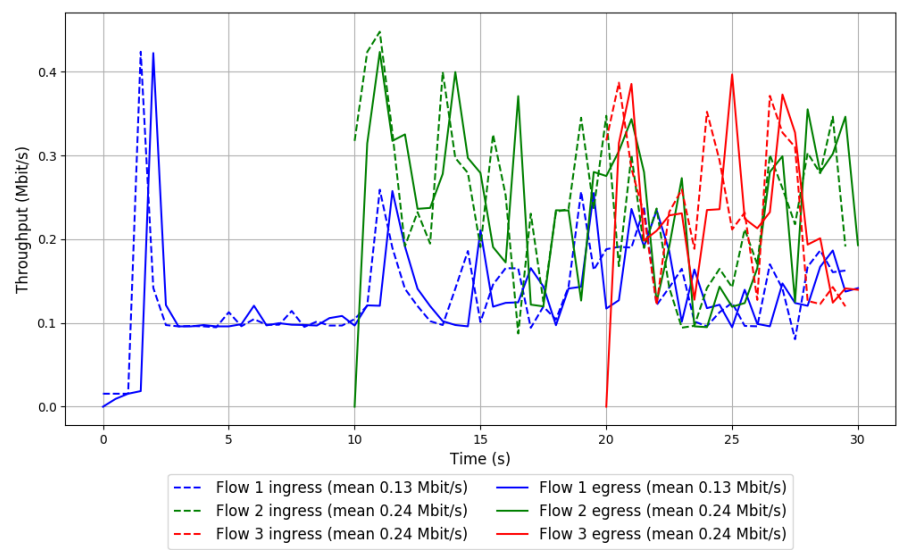
-- Flow 3:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 135.228 ms

Loss rate: 0.53%

Run 2: Report of Sprout — Data Link

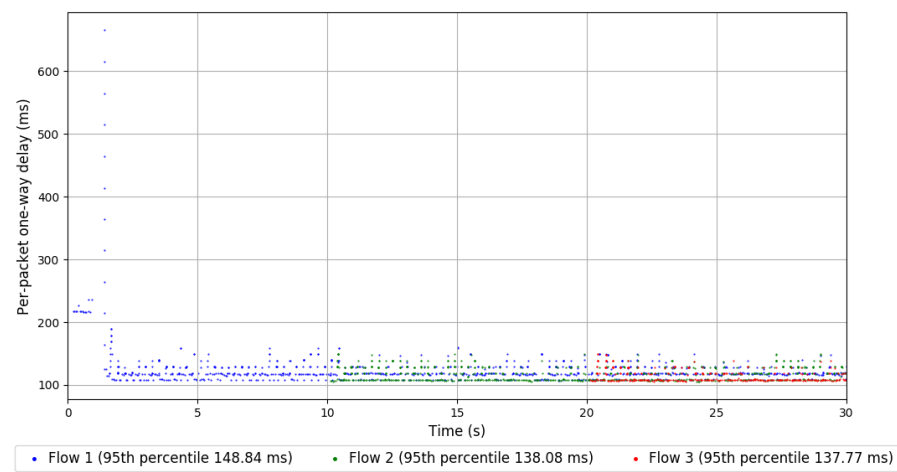
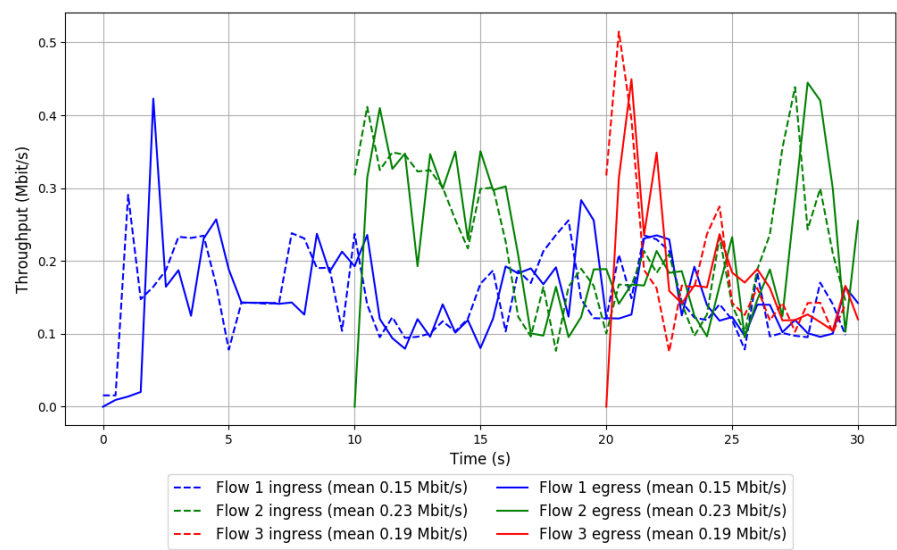


Run 3: Statistics of Sprout

Start at: 2018-05-24 09:52:07
End at: 2018-05-24 09:52:38
Local clock offset: -2.801 ms
Remote clock offset: 15.552 ms

```
# Below is generated by plot.py at 2018-05-24 12:26:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 138.903 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 148.841 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 138.079 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 137.766 ms
Loss rate: 0.62%
```

Run 3: Report of Sprout — Data Link

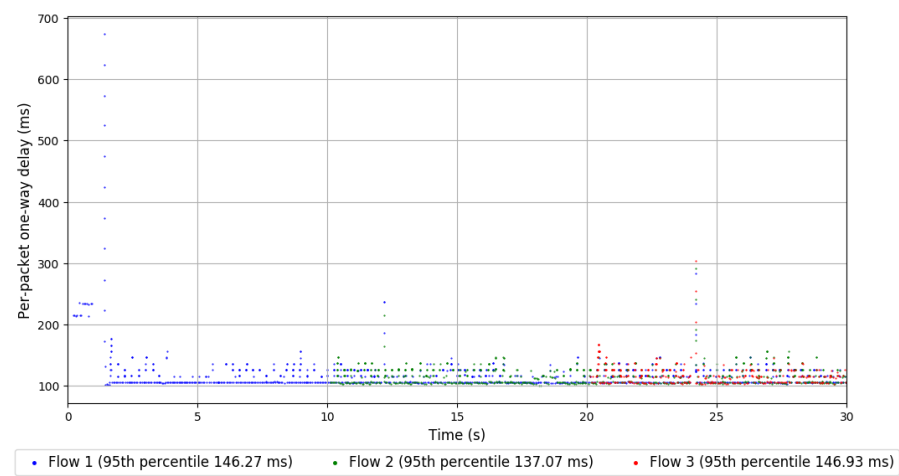
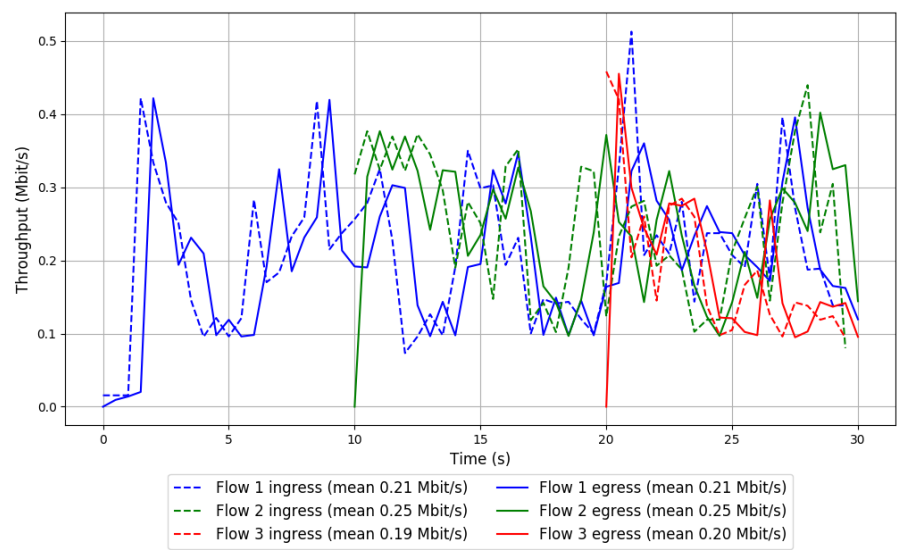


Run 4: Statistics of Sprout

Start at: 2018-05-24 10:11:17
End at: 2018-05-24 10:11:47
Local clock offset: -2.843 ms
Remote clock offset: 15.19 ms

```
# Below is generated by plot.py at 2018-05-24 12:26:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 145.998 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 146.271 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 137.070 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 146.927 ms
Loss rate: 0.04%
```

Run 4: Report of Sprout — Data Link

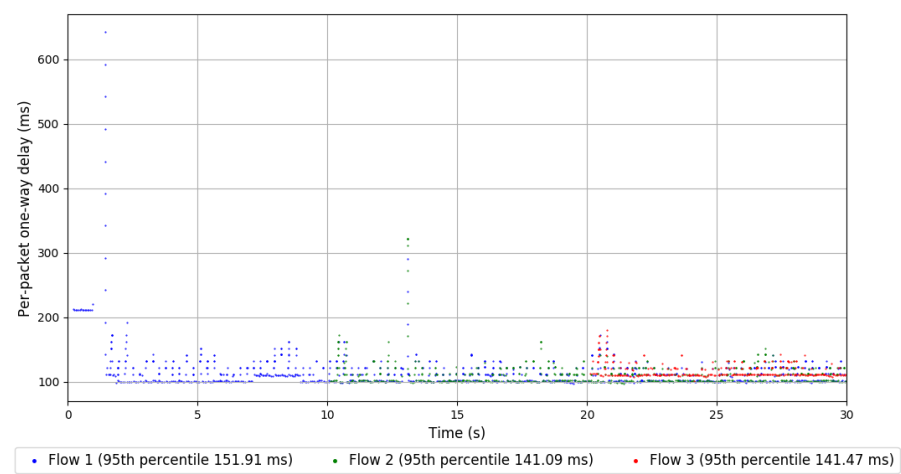
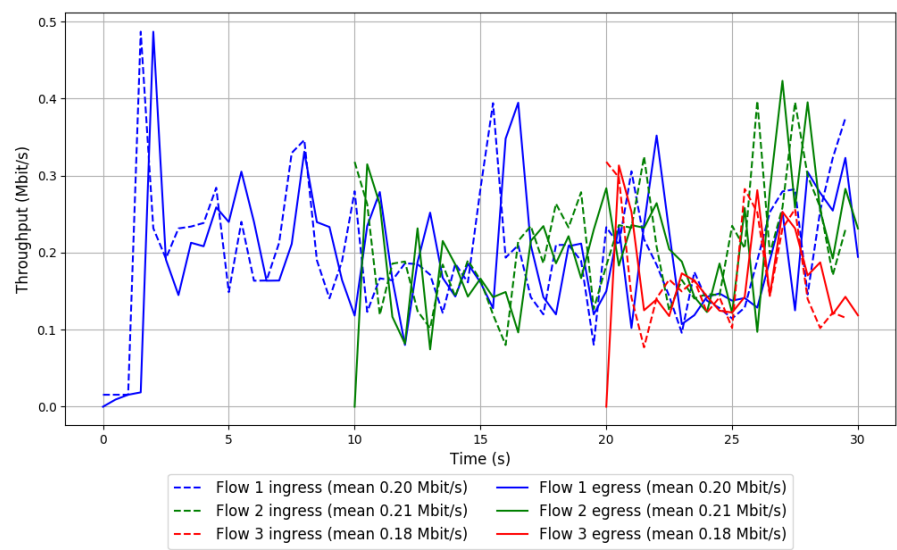


Run 5: Statistics of Sprout

Start at: 2018-05-24 10:30:26
End at: 2018-05-24 10:30:56
Local clock offset: -2.815 ms
Remote clock offset: 10.287 ms

```
# Below is generated by plot.py at 2018-05-24 12:26:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 142.343 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 151.914 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 141.095 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 141.473 ms
Loss rate: 0.00%
```


Run 5: Report of Sprout — Data Link

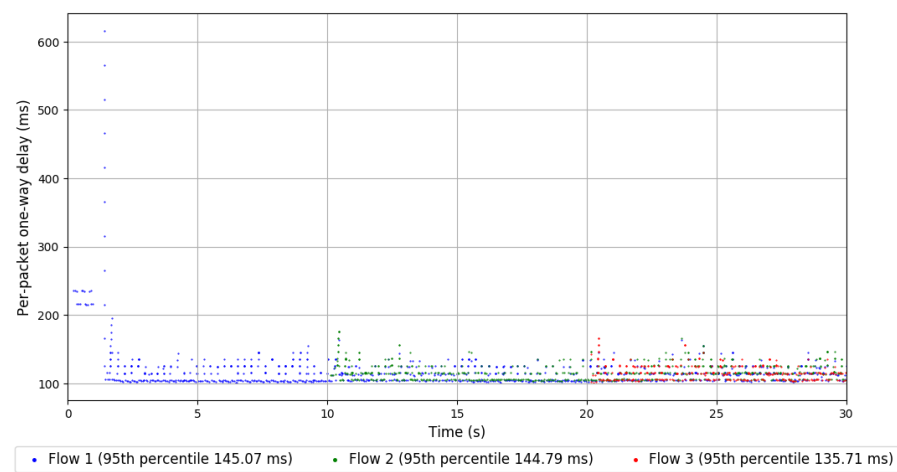
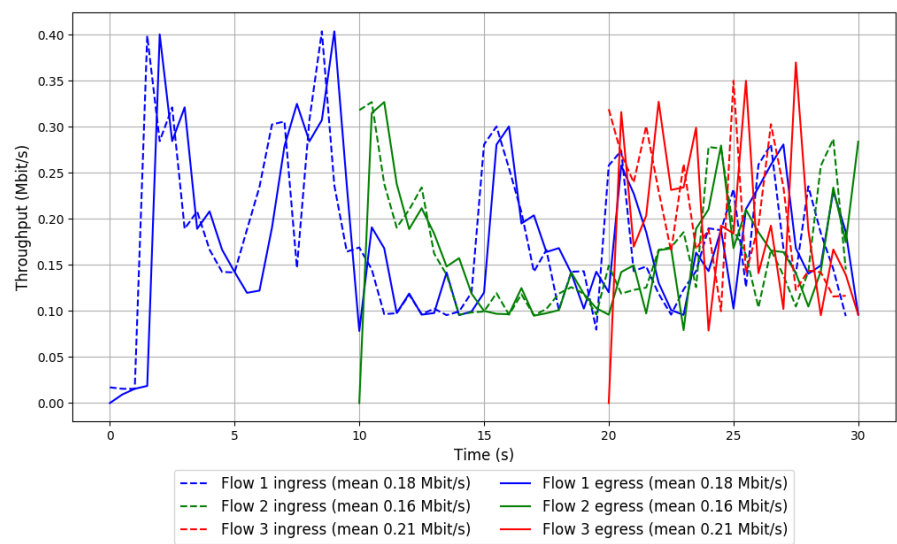


Run 6: Statistics of Sprout

Start at: 2018-05-24 10:49:37
End at: 2018-05-24 10:50:07
Local clock offset: -2.146 ms
Remote clock offset: 14.74 ms

```
# Below is generated by plot.py at 2018-05-24 12:26:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 144.548 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 145.068 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 144.788 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 135.712 ms
Loss rate: 0.58%
```

Run 6: Report of Sprout — Data Link

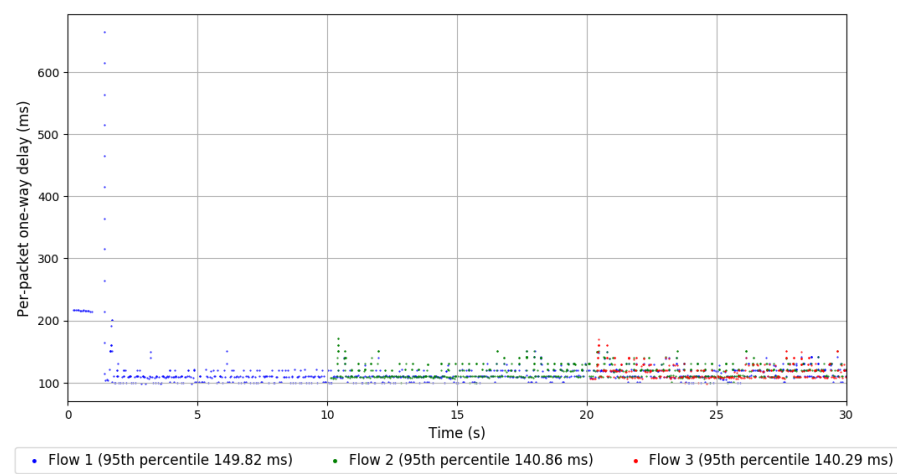
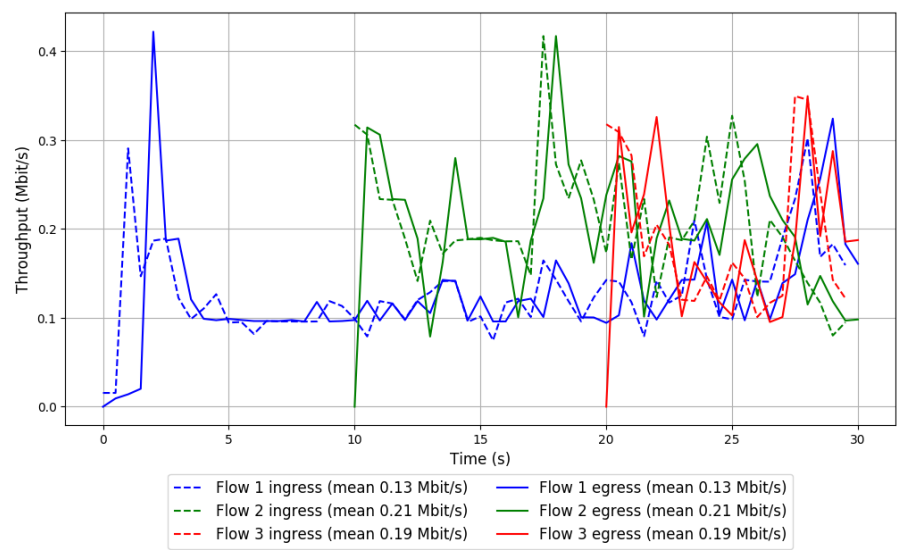


Run 7: Statistics of Sprout

Start at: 2018-05-24 11:08:46
End at: 2018-05-24 11:09:16
Local clock offset: -1.872 ms
Remote clock offset: 9.134 ms

```
# Below is generated by plot.py at 2018-05-24 12:26:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 141.056 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 149.819 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 140.857 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 140.295 ms
Loss rate: 0.04%
```

Run 7: Report of Sprout — Data Link

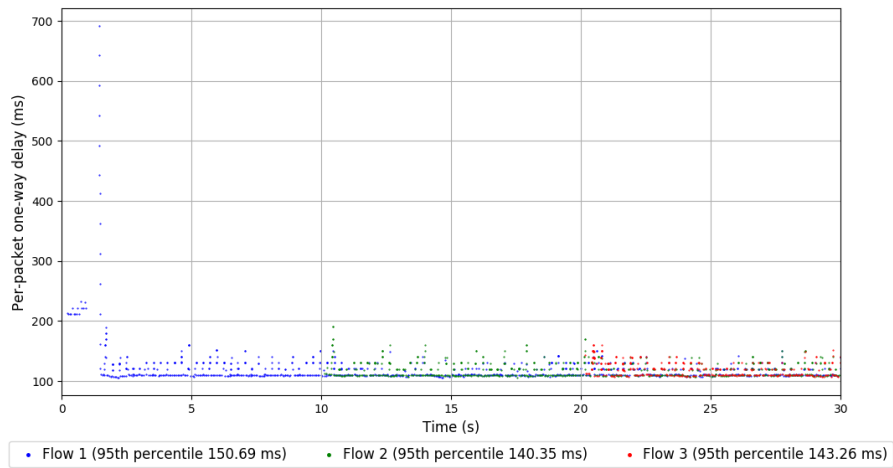
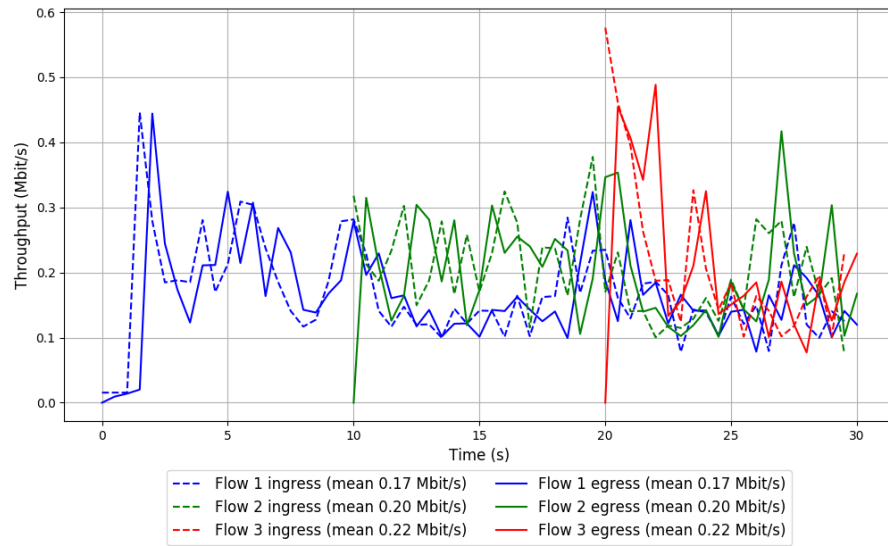


Run 8: Statistics of Sprout

Start at: 2018-05-24 11:27:55
End at: 2018-05-24 11:28:25
Local clock offset: -1.352 ms
Remote clock offset: 2.034 ms

```
# Below is generated by plot.py at 2018-05-24 12:26:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 148.647 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 150.694 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 140.351 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 143.258 ms
Loss rate: 0.16%
```

Run 8: Report of Sprout — Data Link

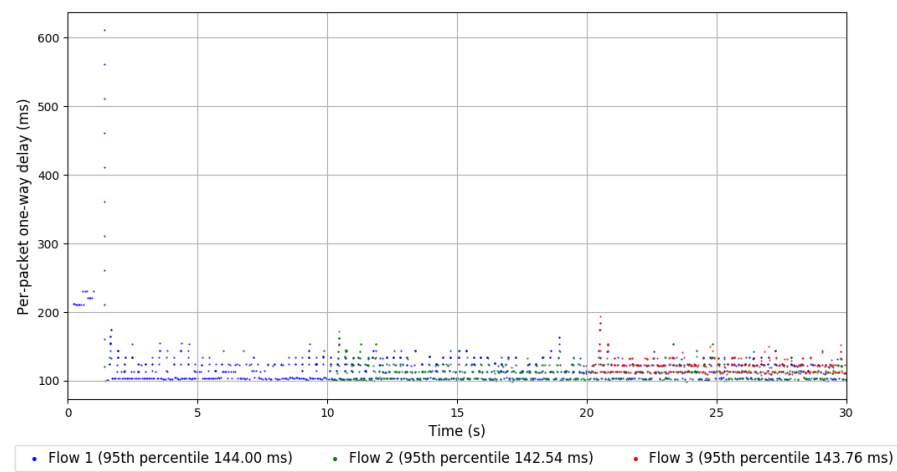
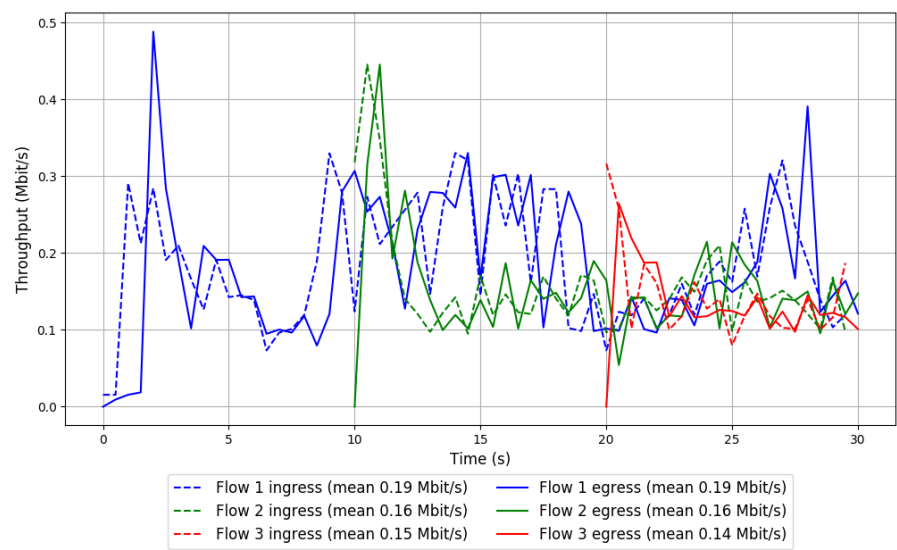


Run 9: Statistics of Sprout

Start at: 2018-05-24 11:47:04
End at: 2018-05-24 11:47:34
Local clock offset: -1.046 ms
Remote clock offset: 8.994 ms

```
# Below is generated by plot.py at 2018-05-24 12:26:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 143.704 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 144.002 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 142.542 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 143.760 ms
Loss rate: 3.10%
```


Run 9: Report of Sprout — Data Link

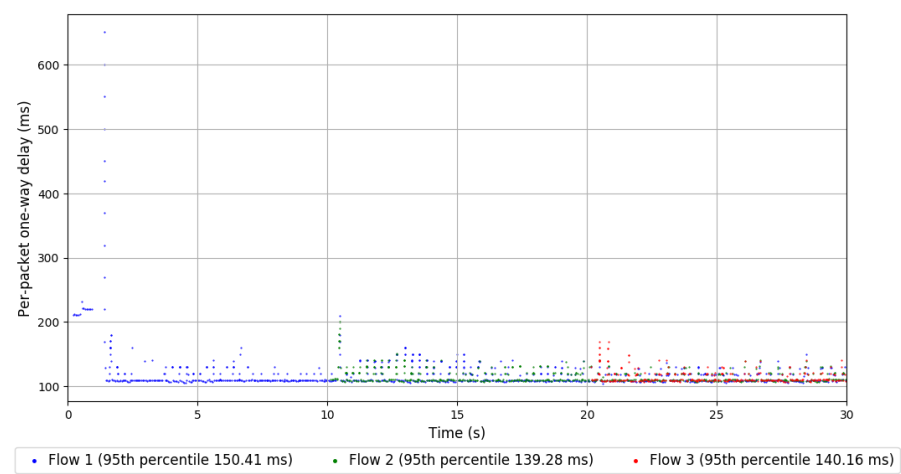
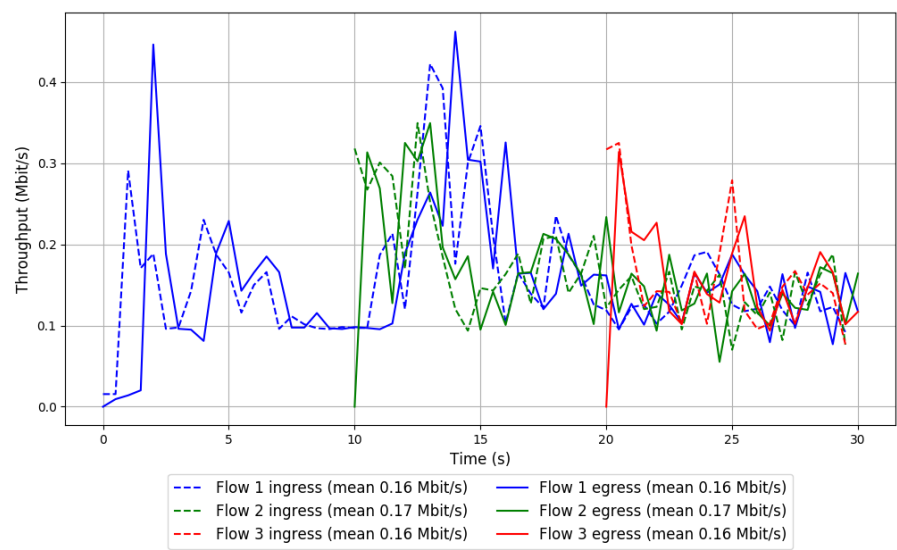


Run 10: Statistics of Sprout

Start at: 2018-05-24 12:06:13
End at: 2018-05-24 12:06:43
Local clock offset: -1.791 ms
Remote clock offset: 12.508 ms

Below is generated by plot.py at 2018-05-24 12:26:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 140.885 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 150.413 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 139.284 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 140.160 ms
Loss rate: 0.05%

Run 10: Report of Sprout — Data Link

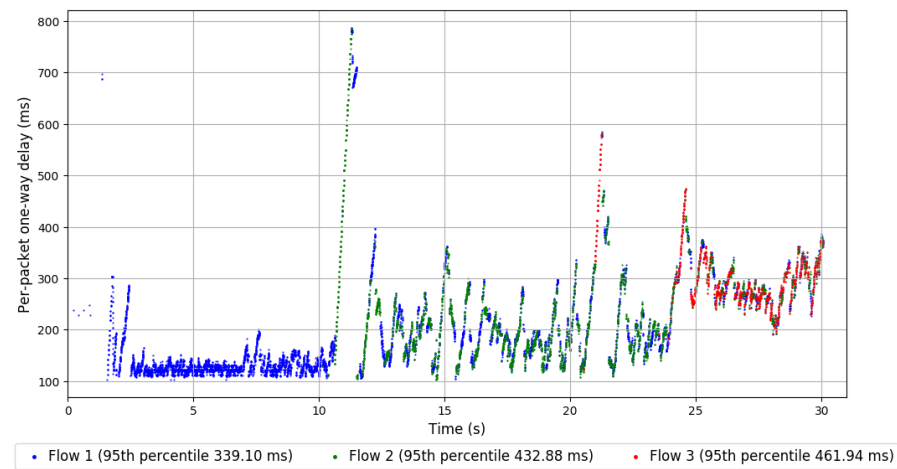
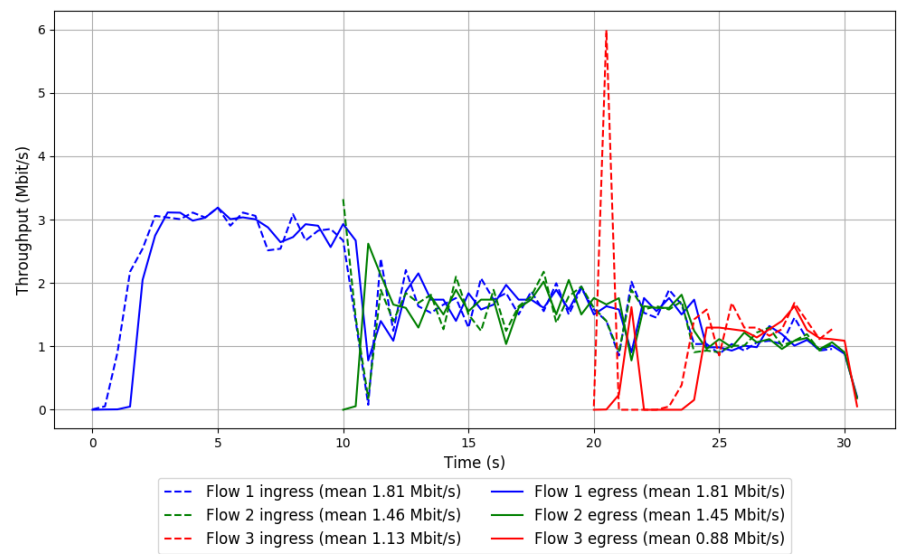


Run 1: Statistics of TaoVA-100x

Start at: 2018-05-24 09:25:48
End at: 2018-05-24 09:26:18
Local clock offset: -3.973 ms
Remote clock offset: 10.997 ms

Below is generated by plot.py at 2018-05-24 12:26:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 379.326 ms
Loss rate: 3.58%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 339.097 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 432.878 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 0.88 Mbit/s
95th percentile per-packet one-way delay: 461.936 ms
Loss rate: 23.61%

Run 1: Report of TaoVA-100x — Data Link

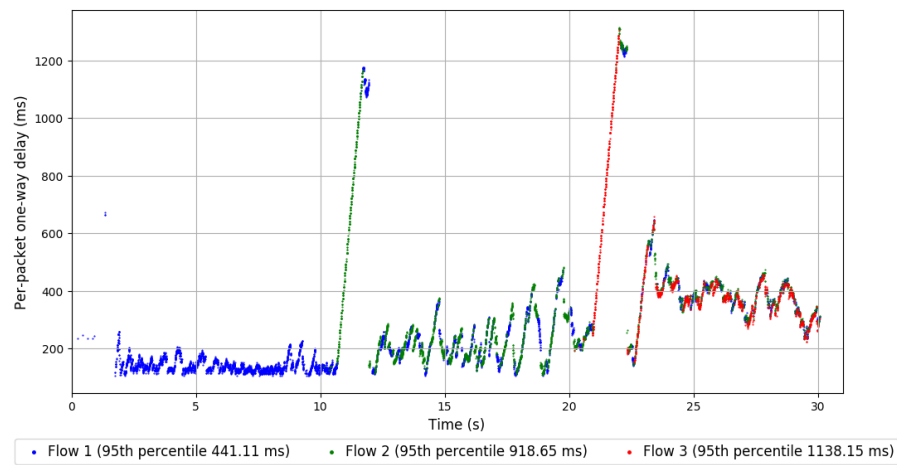
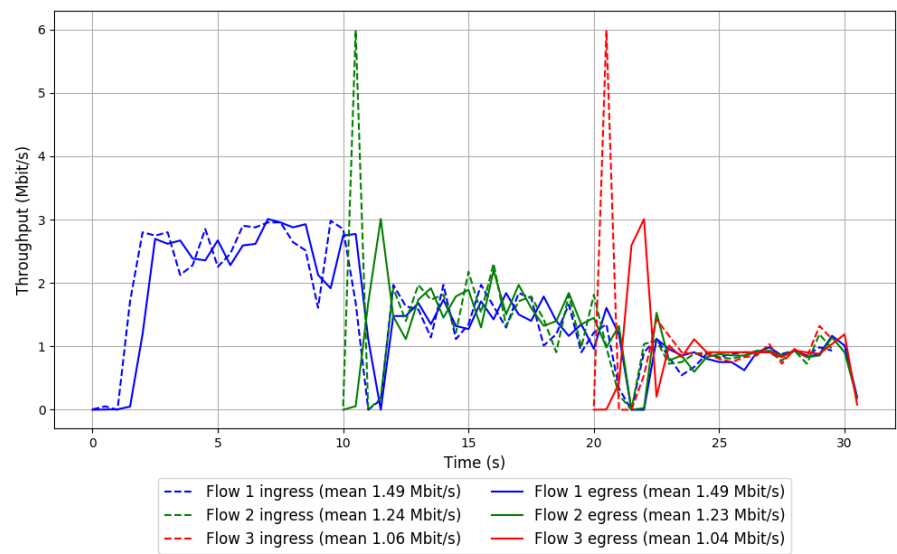


Run 2: Statistics of TaoVA-100x

Start at: 2018-05-24 09:44:57
End at: 2018-05-24 09:45:27
Local clock offset: -2.063 ms
Remote clock offset: 14.351 ms

Below is generated by plot.py at 2018-05-24 12:26:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 859.407 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 441.113 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 918.648 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 1138.154 ms
Loss rate: 2.82%

Run 2: Report of TaoVA-100x — Data Link

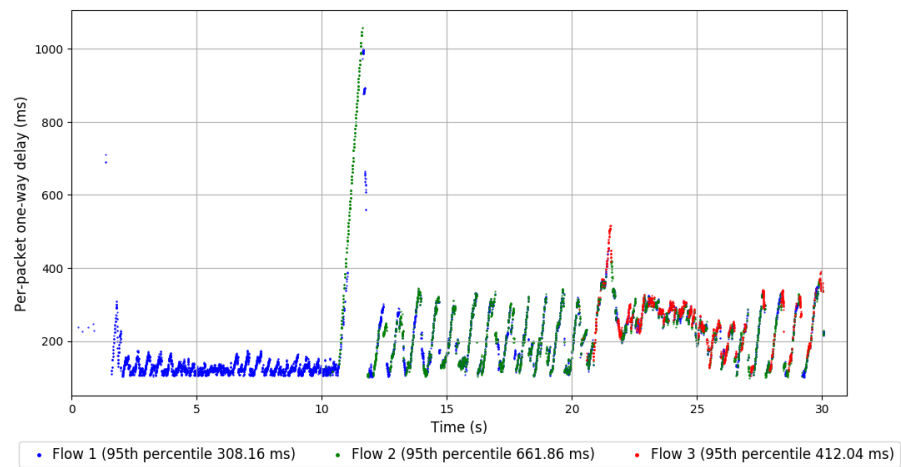
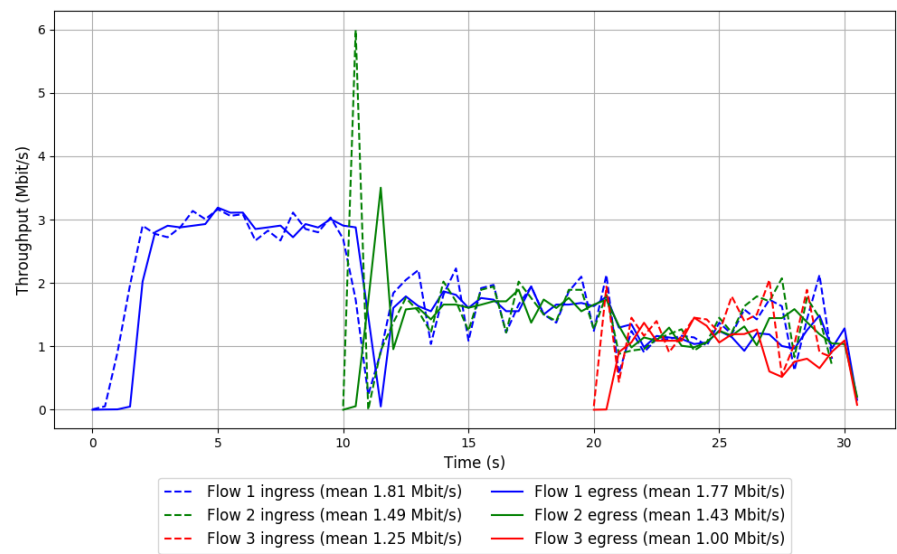


Run 3: Statistics of TaoVA-100x

Start at: 2018-05-24 10:04:06
End at: 2018-05-24 10:04:36
Local clock offset: -2.77 ms
Remote clock offset: 14.174 ms

Below is generated by plot.py at 2018-05-24 12:26:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 354.146 ms
Loss rate: 5.29%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 308.161 ms
Loss rate: 2.62%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 661.864 ms
Loss rate: 3.86%
-- Flow 3:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 412.040 ms
Loss rate: 20.54%

Run 3: Report of TaoVA-100x — Data Link

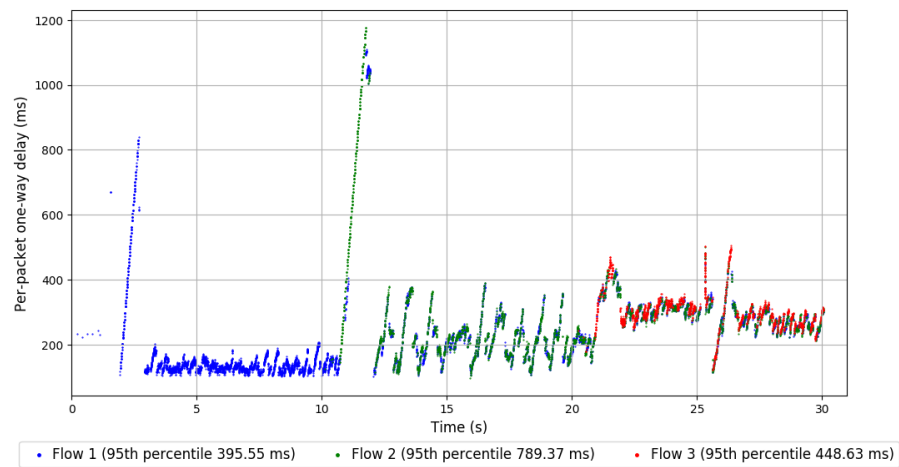
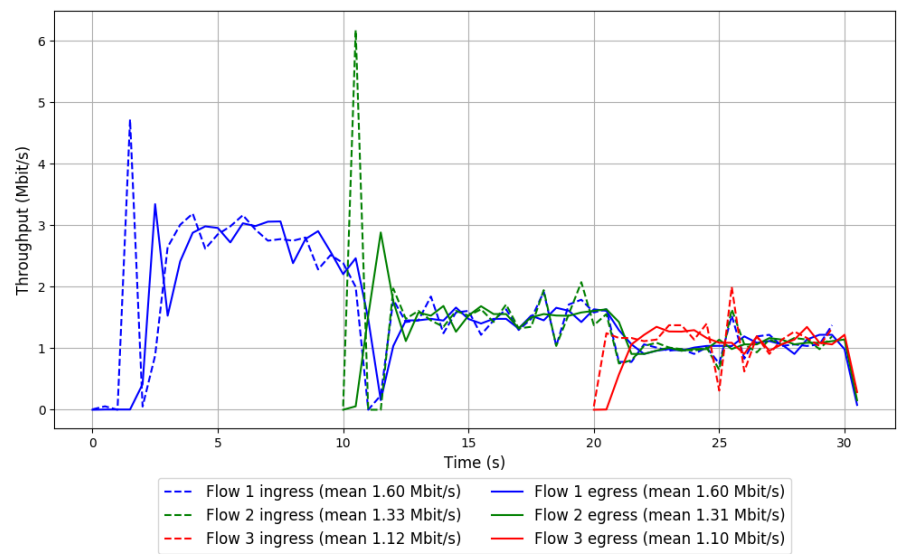


Run 4: Statistics of TaoVA-100x

Start at: 2018-05-24 10:23:16
End at: 2018-05-24 10:23:46
Local clock offset: -2.754 ms
Remote clock offset: 11.127 ms

Below is generated by plot.py at 2018-05-24 12:26:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.84 Mbit/s
95th percentile per-packet one-way delay: 472.678 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 395.546 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 789.368 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 448.630 ms
Loss rate: 2.22%

Run 4: Report of TaoVA-100x — Data Link

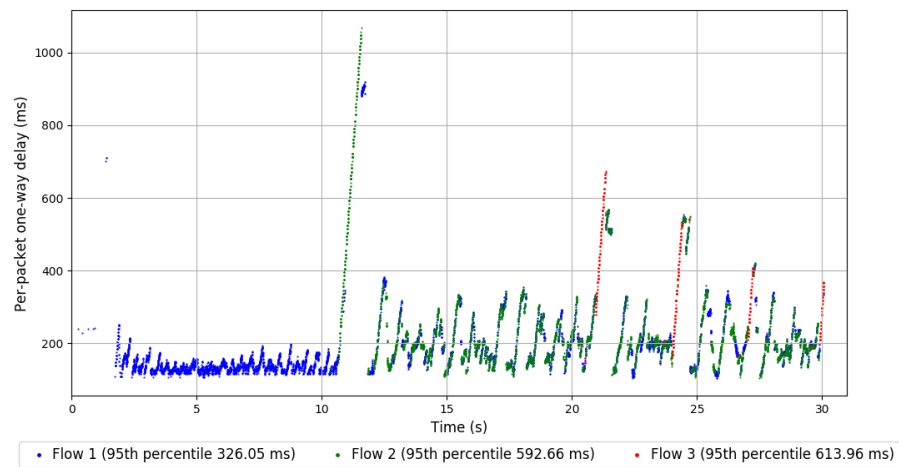
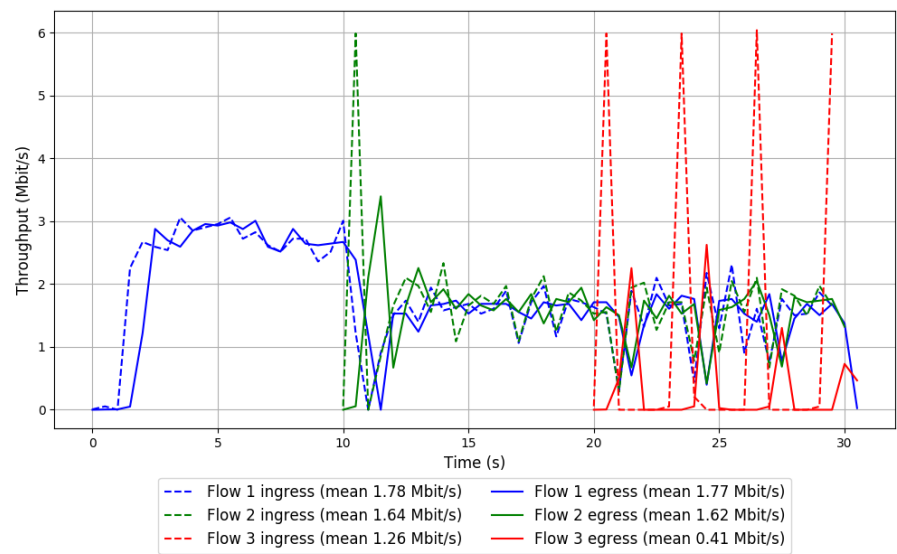


Run 5: Statistics of TaoVA-100x

Start at: 2018-05-24 10:42:25
End at: 2018-05-24 10:42:55
Local clock offset: -2.124 ms
Remote clock offset: 15.474 ms

Below is generated by plot.py at 2018-05-24 12:26:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.97 Mbit/s
95th percentile per-packet one-way delay: 505.273 ms
Loss rate: 9.81%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 326.047 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 592.659 ms
Loss rate: 2.50%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 613.957 ms
Loss rate: 67.14%

Run 5: Report of TaoVA-100x — Data Link



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-24 11:01:36

End at: 2018-05-24 11:02:06

Local clock offset: -2.395 ms

Remote clock offset: 8.151 ms

Below is generated by plot.py at 2018-05-24 12:26:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 1137.949 ms

Loss rate: 1.36%

-- Flow 1:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 1208.132 ms

Loss rate: 1.25%

-- Flow 2:

Average throughput: 1.02 Mbit/s

95th percentile per-packet one-way delay: 595.072 ms

Loss rate: 1.51%

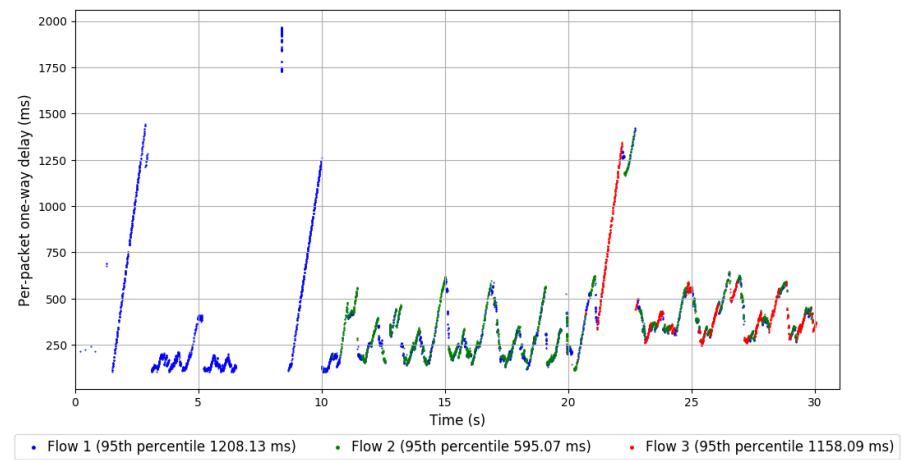
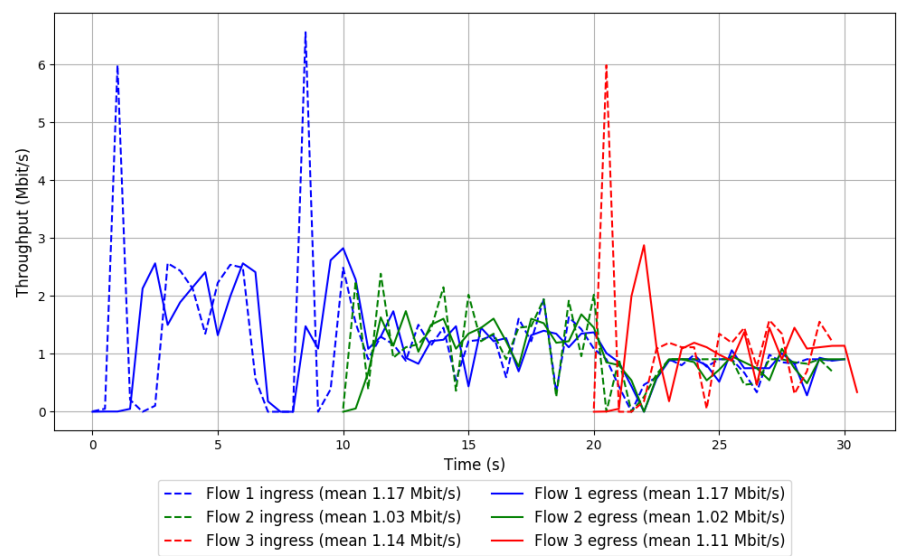
-- Flow 3:

Average throughput: 1.11 Mbit/s

95th percentile per-packet one-way delay: 1158.090 ms

Loss rate: 1.39%

Run 6: Report of TaoVA-100x — Data Link



Run 7: Statistics of TaoVA-100x

Start at: 2018-05-24 11:20:45

End at: 2018-05-24 11:21:15

Local clock offset: -0.73 ms

Remote clock offset: 1.917 ms

Below is generated by plot.py at 2018-05-24 12:26:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 854.369 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 1.37 Mbit/s

95th percentile per-packet one-way delay: 666.602 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 1.07 Mbit/s

95th percentile per-packet one-way delay: 784.521 ms

Loss rate: 0.43%

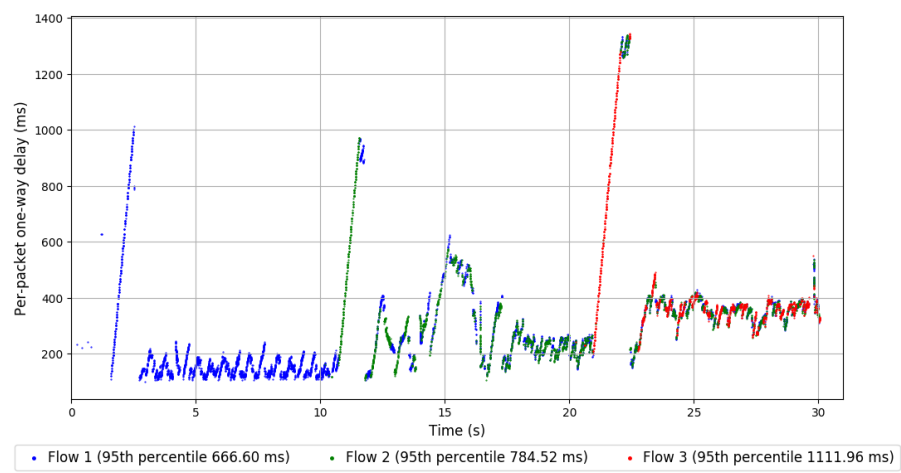
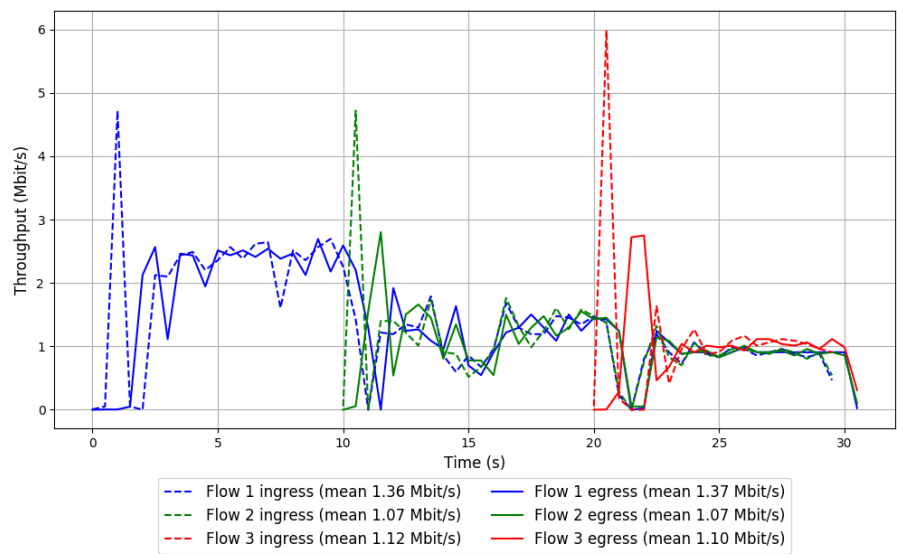
-- Flow 3:

Average throughput: 1.10 Mbit/s

95th percentile per-packet one-way delay: 1111.959 ms

Loss rate: 1.07%

Run 7: Report of TaoVA-100x — Data Link



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-24 11:39:54

End at: 2018-05-24 11:40:24

Local clock offset: -1.187 ms

Remote clock offset: 9.952 ms

Below is generated by plot.py at 2018-05-24 12:26:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 763.293 ms

Loss rate: 1.27%

-- Flow 1:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 842.552 ms

Loss rate: 0.72%

-- Flow 2:

Average throughput: 1.05 Mbit/s

95th percentile per-packet one-way delay: 852.196 ms

Loss rate: 1.96%

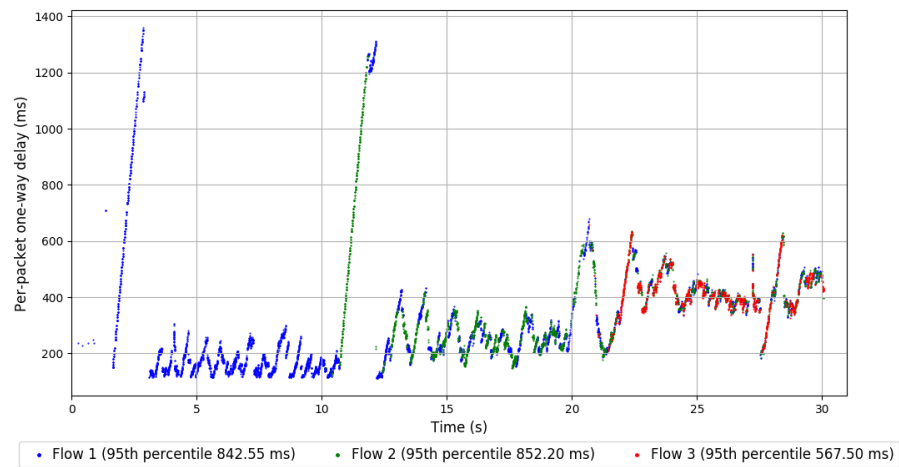
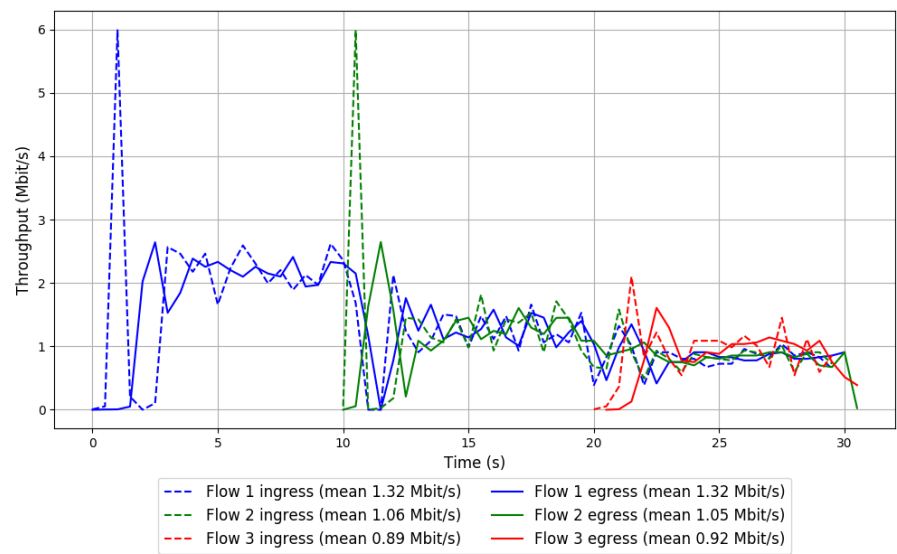
-- Flow 3:

Average throughput: 0.92 Mbit/s

95th percentile per-packet one-way delay: 567.503 ms

Loss rate: 2.06%

Run 8: Report of TaoVA-100x — Data Link

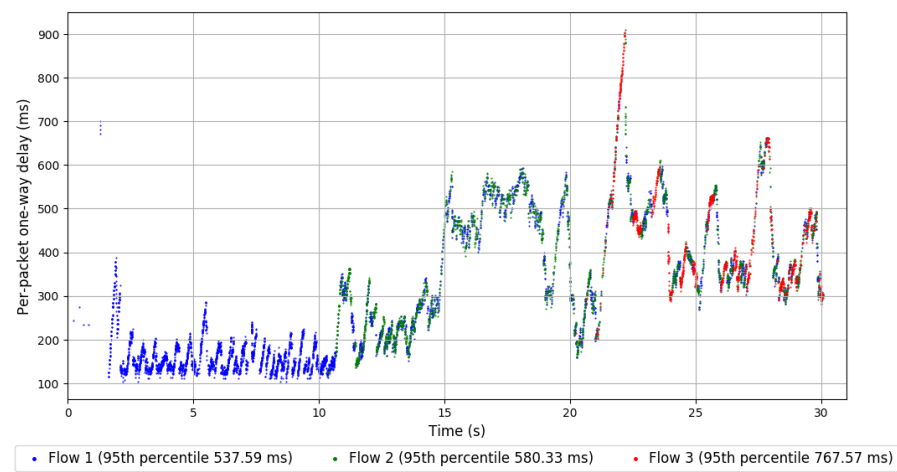
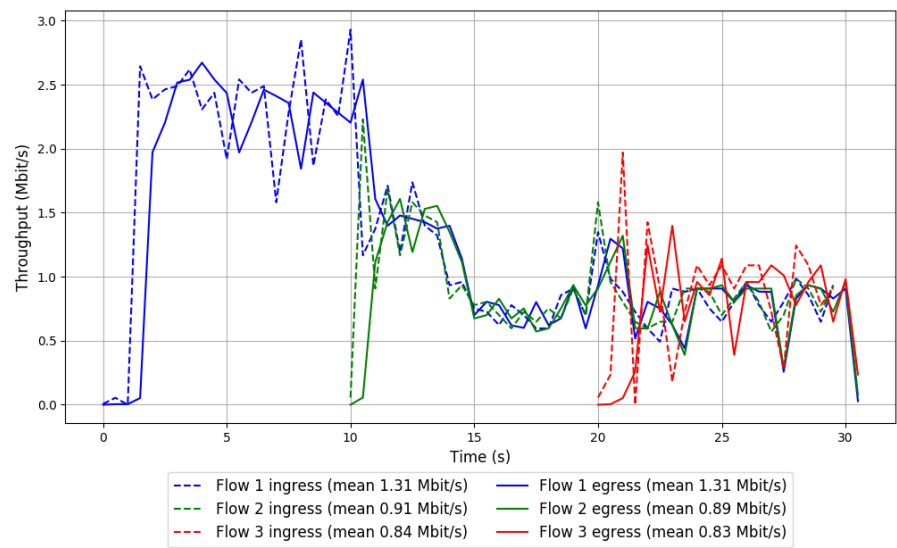


Run 9: Statistics of TaoVA-100x

Start at: 2018-05-24 11:59:02
End at: 2018-05-24 11:59:32
Local clock offset: -2.337 ms
Remote clock offset: 11.624 ms

Below is generated by plot.py at 2018-05-24 12:26:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 572.281 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 537.593 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.89 Mbit/s
95th percentile per-packet one-way delay: 580.334 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 767.570 ms
Loss rate: 2.02%

Run 9: Report of TaoVA-100x — Data Link



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-24 12:18:14

End at: 2018-05-24 12:18:44

Local clock offset: -2.533 ms

Remote clock offset: 5.502 ms

Below is generated by plot.py at 2018-05-24 12:26:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 601.798 ms

Loss rate: 3.73%

-- Flow 1:

Average throughput: 1.27 Mbit/s

95th percentile per-packet one-way delay: 434.204 ms

Loss rate: 0.97%

-- Flow 2:

Average throughput: 0.98 Mbit/s

95th percentile per-packet one-way delay: 1196.690 ms

Loss rate: 8.77%

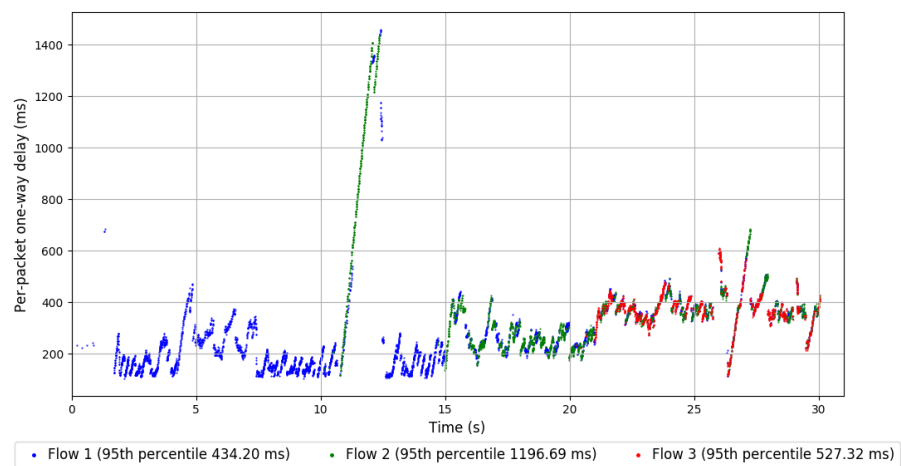
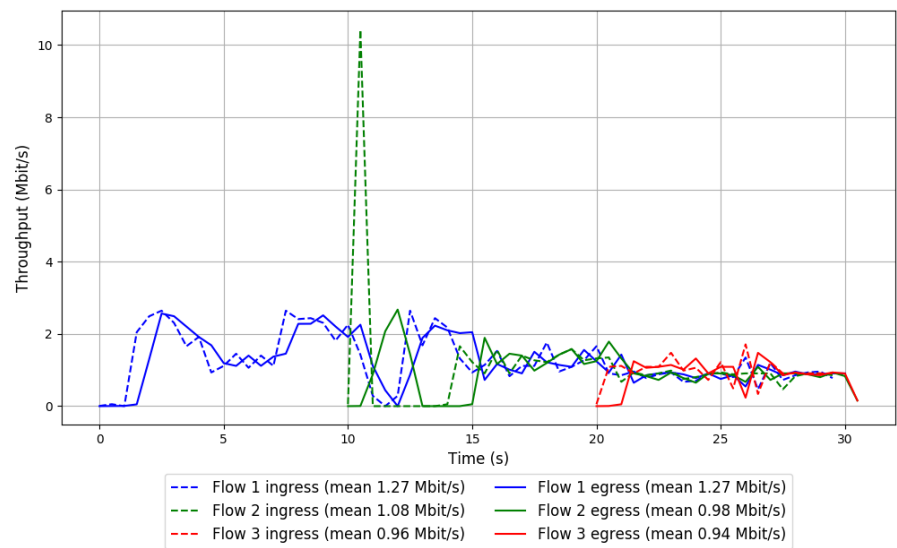
-- Flow 3:

Average throughput: 0.94 Mbit/s

95th percentile per-packet one-way delay: 527.318 ms

Loss rate: 3.39%

Run 10: Report of TaoVA-100x — Data Link

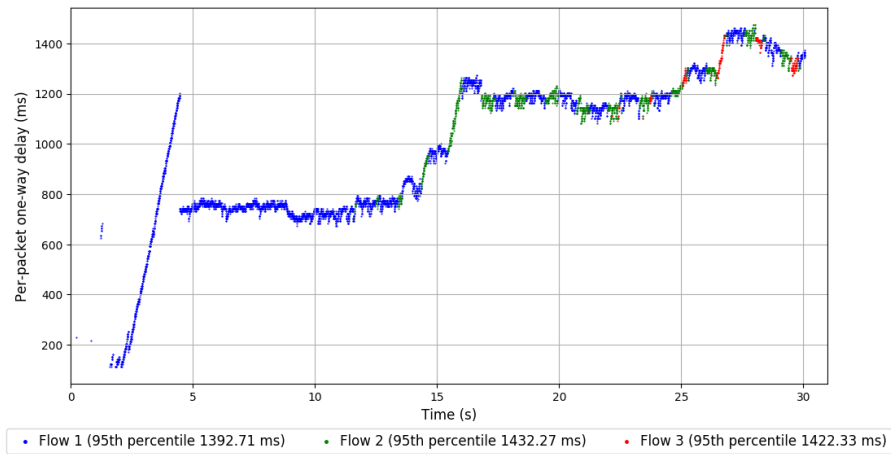
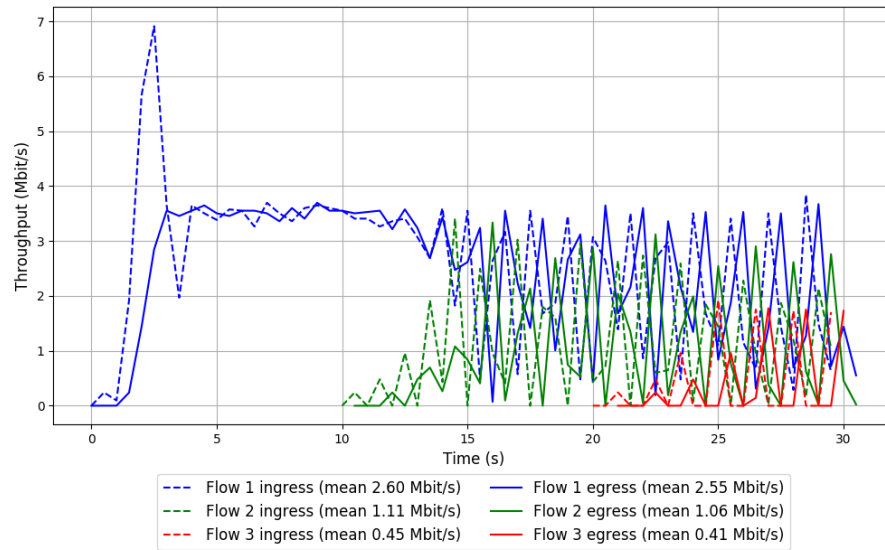


Run 1: Statistics of TCP Vegas

Start at: 2018-05-24 09:22:12
End at: 2018-05-24 09:22:42
Local clock offset: -2.429 ms
Remote clock offset: 11.312 ms

Below is generated by plot.py at 2018-05-24 12:26:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.35 Mbit/s
95th percentile per-packet one-way delay: 1412.408 ms
Loss rate: 4.35%
-- Flow 1:
Average throughput: 2.55 Mbit/s
95th percentile per-packet one-way delay: 1392.708 ms
Loss rate: 2.69%
-- Flow 2:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 1432.267 ms
Loss rate: 7.24%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 1422.330 ms
Loss rate: 19.39%

Run 1: Report of TCP Vegas — Data Link

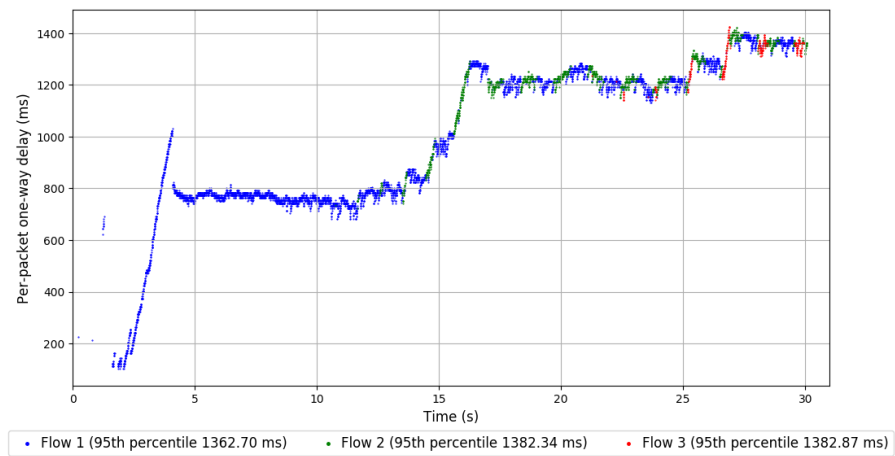
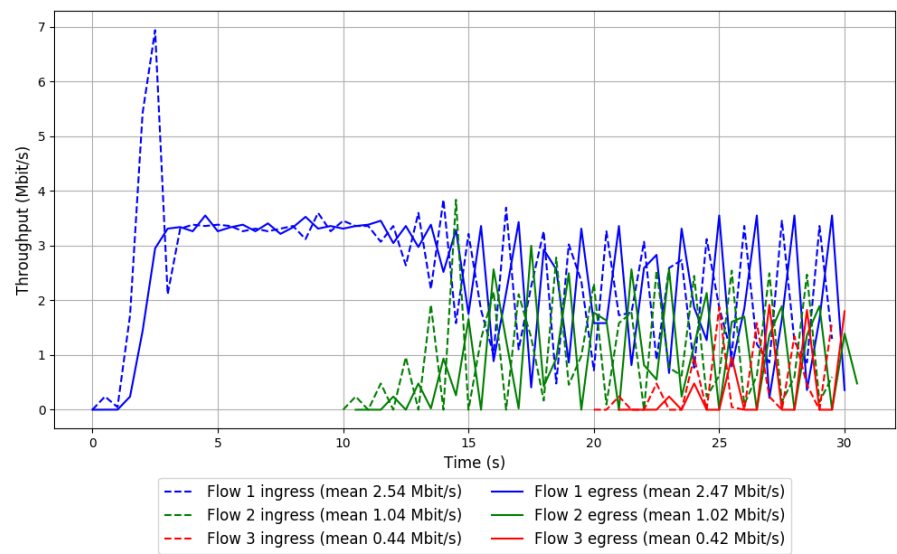


Run 2: Statistics of TCP Vegas

Start at: 2018-05-24 09:41:21
End at: 2018-05-24 09:41:51
Local clock offset: -2.858 ms
Remote clock offset: 10.185 ms

Below is generated by plot.py at 2018-05-24 12:26:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 1372.369 ms
Loss rate: 4.47%
-- Flow 1:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 1362.696 ms
Loss rate: 3.61%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 1382.340 ms
Loss rate: 4.69%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 1382.866 ms
Loss rate: 18.19%

Run 2: Report of TCP Vegas — Data Link

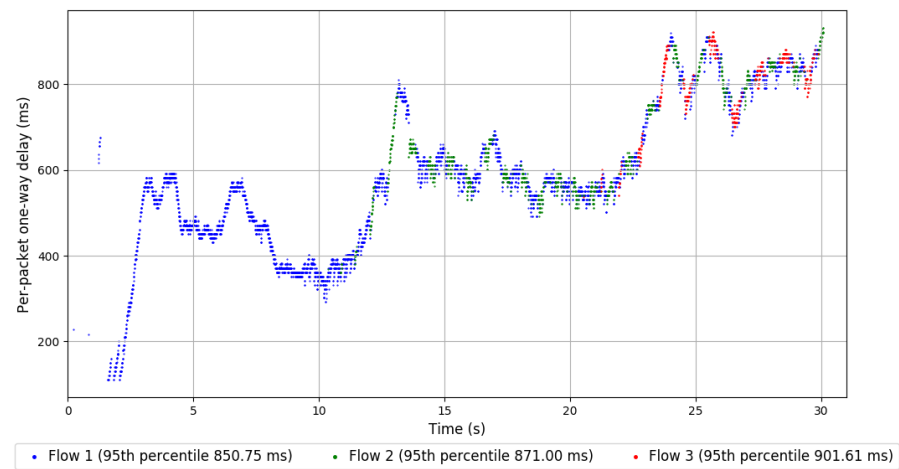
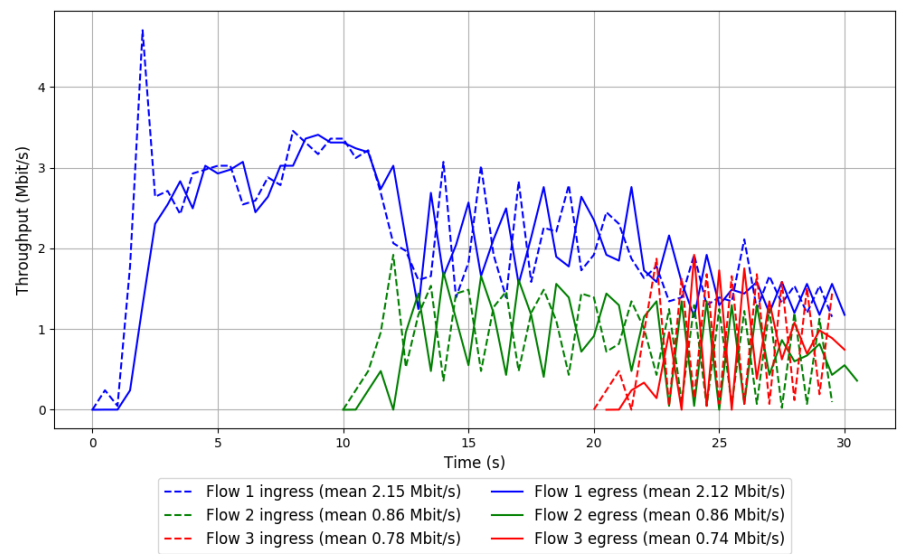


Run 3: Statistics of TCP Vegas

Start at: 2018-05-24 10:00:31
End at: 2018-05-24 10:01:01
Local clock offset: -2.776 ms
Remote clock offset: 11.094 ms

Below is generated by plot.py at 2018-05-24 12:26:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 861.695 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 850.750 ms
Loss rate: 2.05%
-- Flow 2:
Average throughput: 0.86 Mbit/s
95th percentile per-packet one-way delay: 871.001 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 901.606 ms
Loss rate: 10.25%

Run 3: Report of TCP Vegas — Data Link

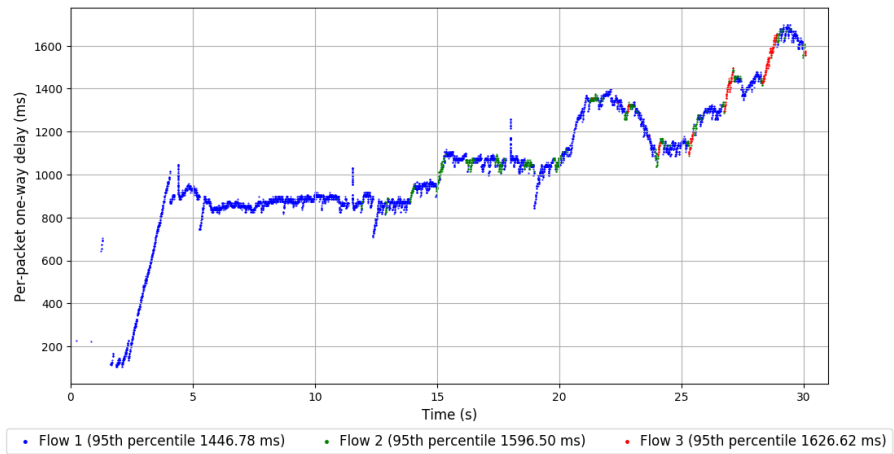
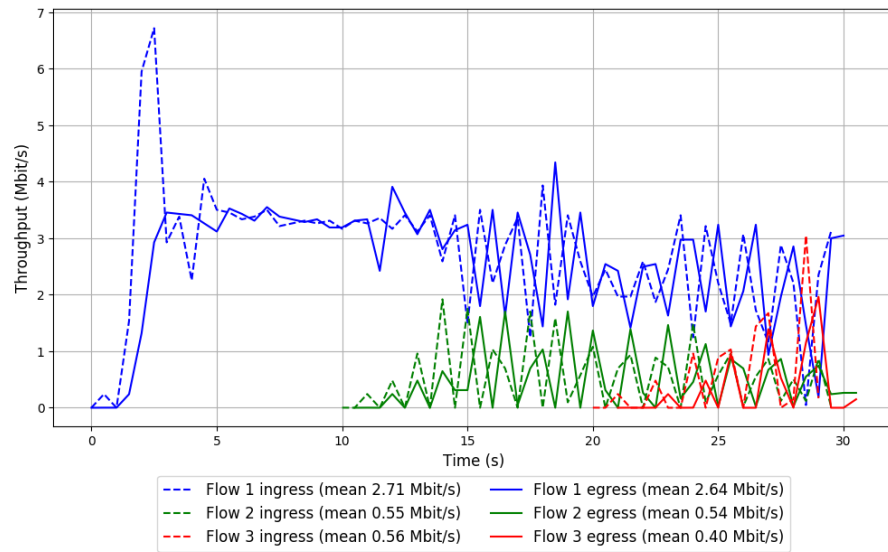


Run 4: Statistics of TCP Vegas

Start at: 2018-05-24 10:19:40
End at: 2018-05-24 10:20:10
Local clock offset: -2.061 ms
Remote clock offset: 11.687 ms

Below is generated by plot.py at 2018-05-24 12:26:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 1546.732 ms
Loss rate: 5.00%
-- Flow 1:
Average throughput: 2.64 Mbit/s
95th percentile per-packet one-way delay: 1446.781 ms
Loss rate: 3.39%
-- Flow 2:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 1596.496 ms
Loss rate: 4.56%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 1626.619 ms
Loss rate: 31.88%

Run 4: Report of TCP Vegas — Data Link

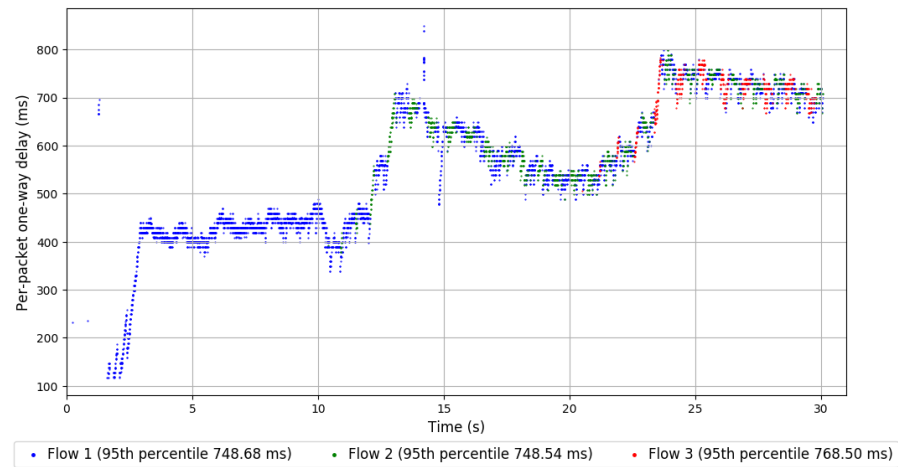
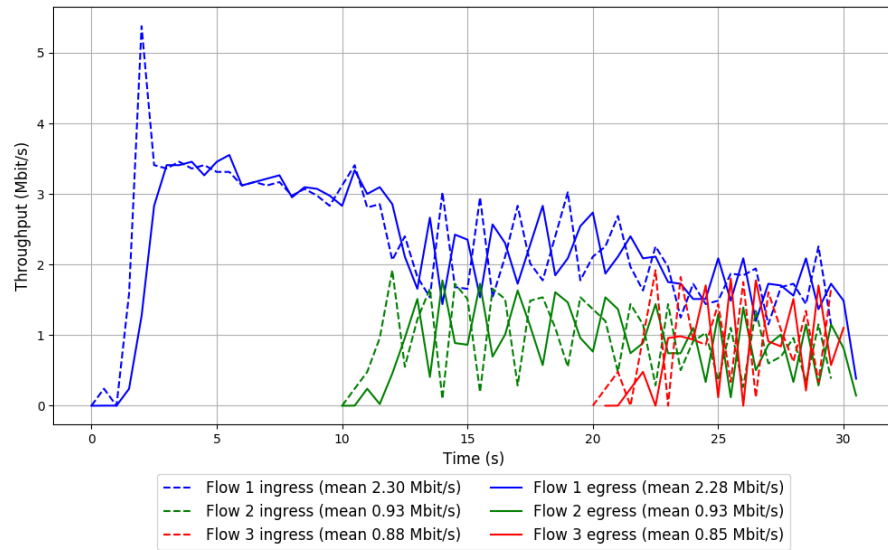


Run 5: Statistics of TCP Vegas

Start at: 2018-05-24 10:38:49
End at: 2018-05-24 10:39:19
Local clock offset: -3.7 ms
Remote clock offset: 15.393 ms

Below is generated by plot.py at 2018-05-24 12:26:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 749.064 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 748.676 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 0.93 Mbit/s
95th percentile per-packet one-way delay: 748.540 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 768.499 ms
Loss rate: 9.45%

Run 5: Report of TCP Vegas — Data Link

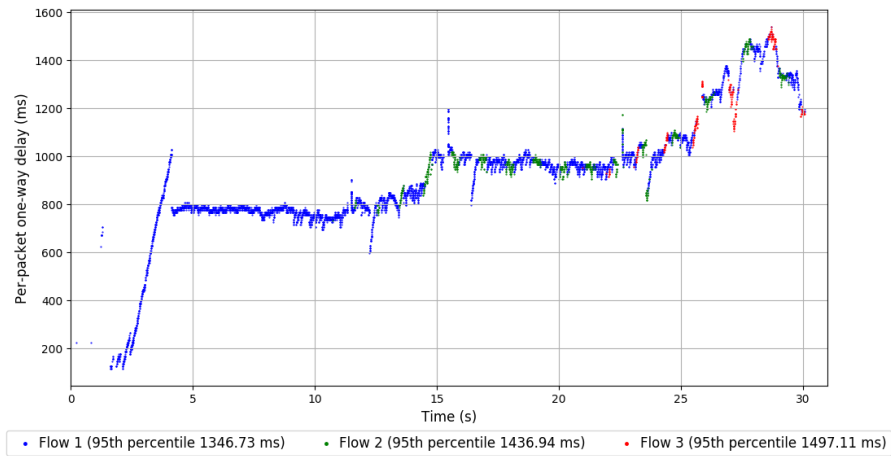
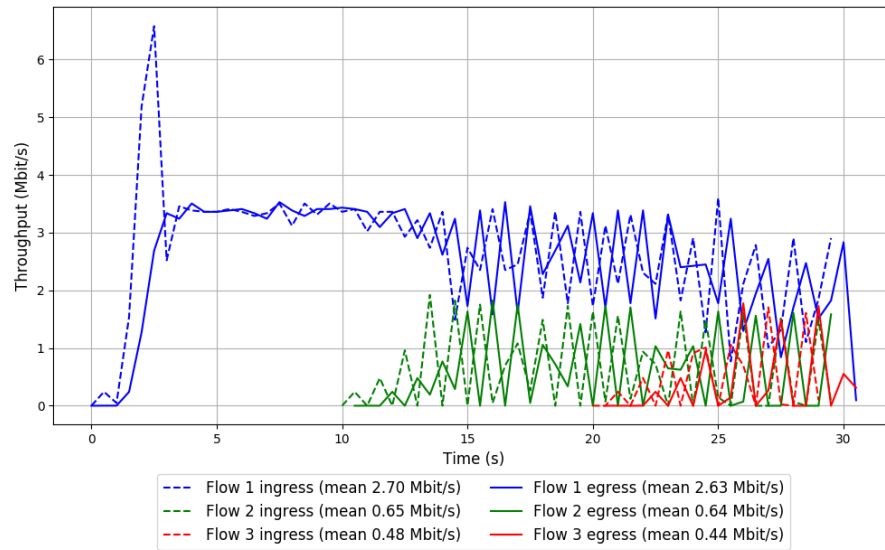


Run 6: Statistics of TCP Vegas

Start at: 2018-05-24 10:58:00
End at: 2018-05-24 10:58:30
Local clock offset: -2.653 ms
Remote clock offset: 10.122 ms

Below is generated by plot.py at 2018-05-24 12:26:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 1366.841 ms
Loss rate: 3.69%
-- Flow 1:
Average throughput: 2.63 Mbit/s
95th percentile per-packet one-way delay: 1346.730 ms
Loss rate: 2.98%
-- Flow 2:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 1436.936 ms
Loss rate: 6.11%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1497.112 ms
Loss rate: 9.56%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-05-24 11:17:09

End at: 2018-05-24 11:17:39

Local clock offset: -2.355 ms

Remote clock offset: 3.325 ms

Below is generated by plot.py at 2018-05-24 12:26:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.71 Mbit/s

95th percentile per-packet one-way delay: 1344.536 ms

Loss rate: 4.27%

-- Flow 1:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 1344.311 ms

Loss rate: 2.86%

-- Flow 2:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 1343.930 ms

Loss rate: 6.41%

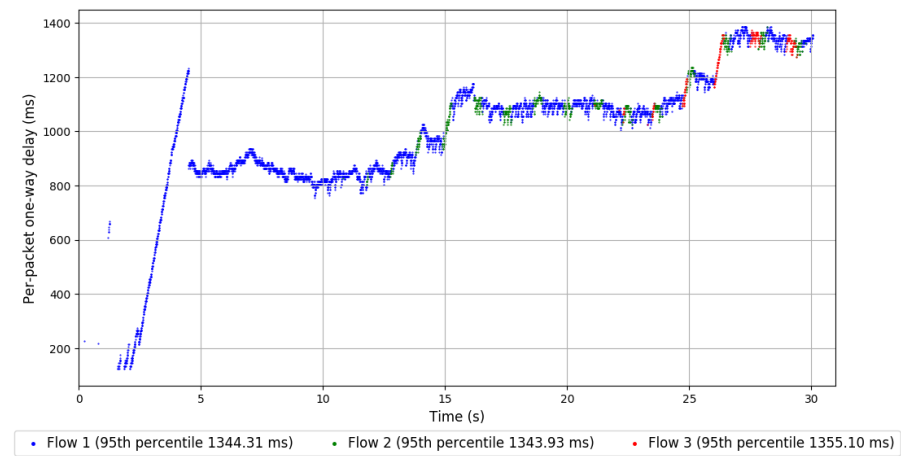
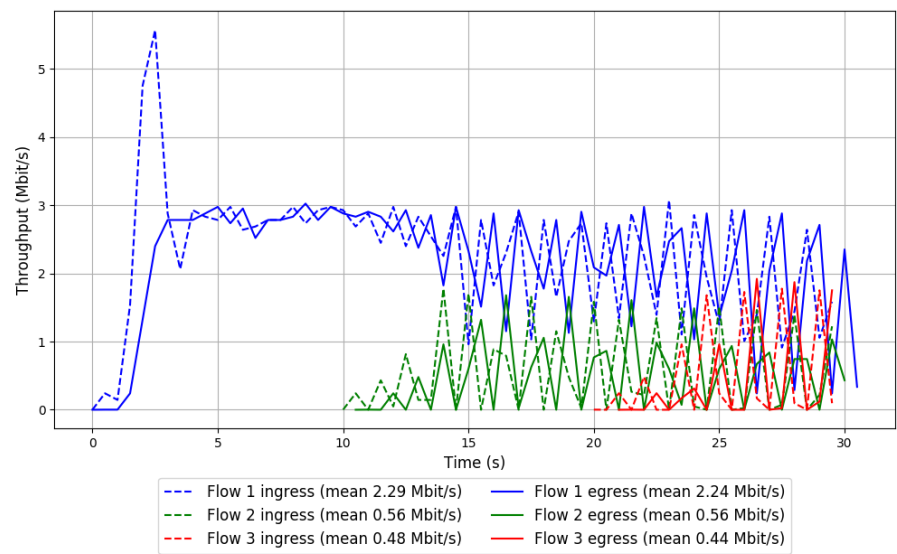
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 1355.099 ms

Loss rate: 20.04%

Run 7: Report of TCP Vegas — Data Link

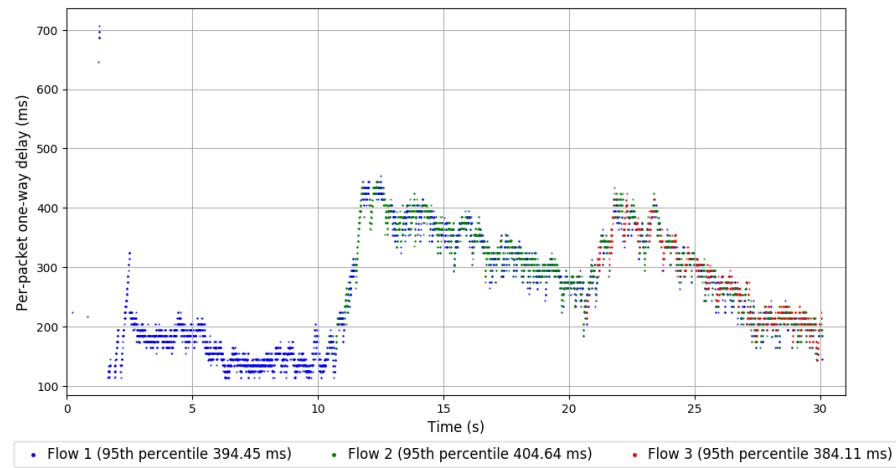
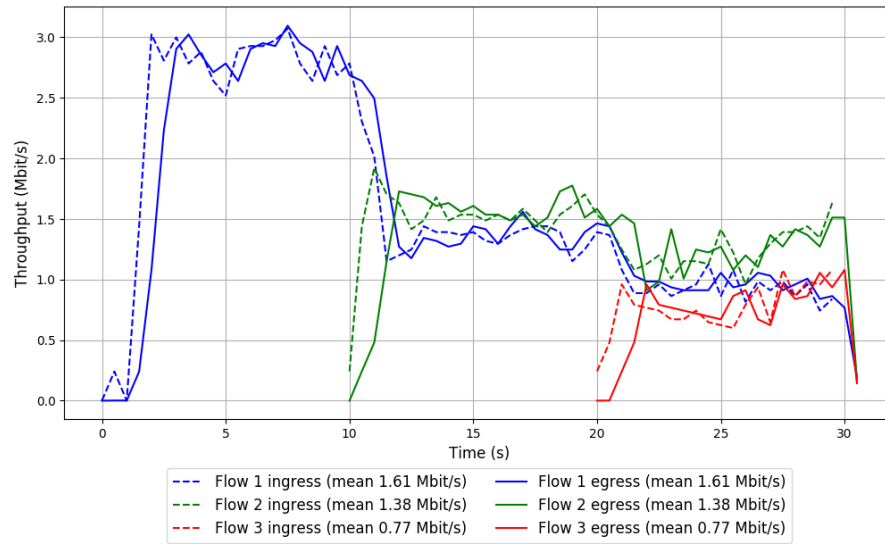


Run 8: Statistics of TCP Vegas

Start at: 2018-05-24 11:36:18
End at: 2018-05-24 11:36:48
Local clock offset: -1.289 ms
Remote clock offset: 3.748 ms

```
# Below is generated by plot.py at 2018-05-24 12:27:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.78 Mbit/s
95th percentile per-packet one-way delay: 404.273 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 394.448 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 404.645 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 384.106 ms
Loss rate: 1.73%
```

Run 8: Report of TCP Vegas — Data Link

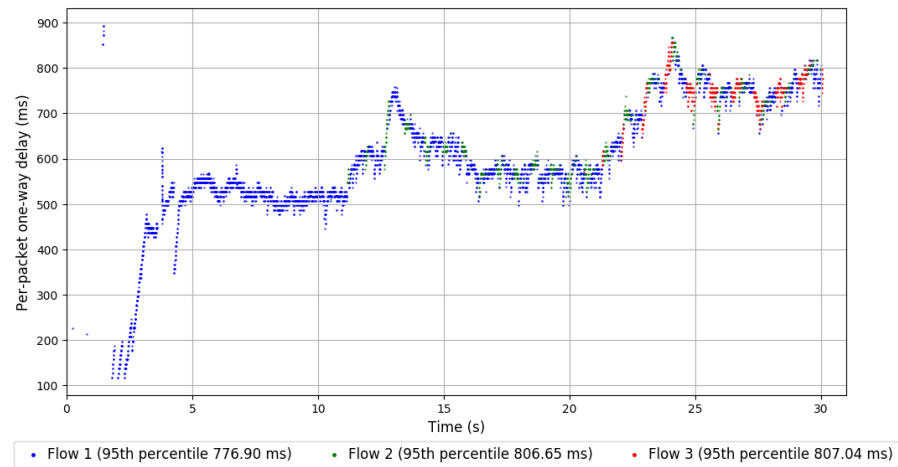
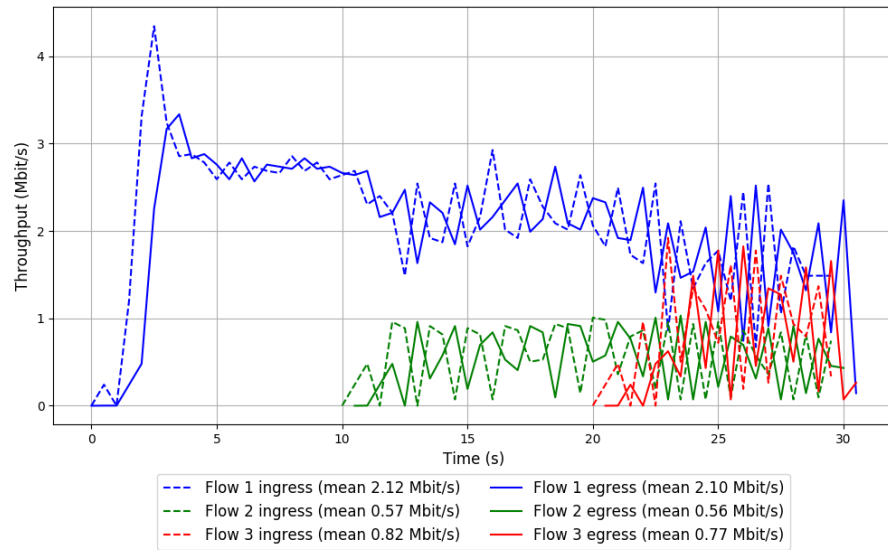


Run 9: Statistics of TCP Vegas

Start at: 2018-05-24 11:55:27
End at: 2018-05-24 11:55:57
Local clock offset: -0.926 ms
Remote clock offset: 11.038 ms

Below is generated by plot.py at 2018-05-24 12:27:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.71 Mbit/s
95th percentile per-packet one-way delay: 786.755 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 776.897 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 806.650 ms
Loss rate: 3.40%
-- Flow 3:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 807.038 ms
Loss rate: 8.98%

Run 9: Report of TCP Vegas — Data Link

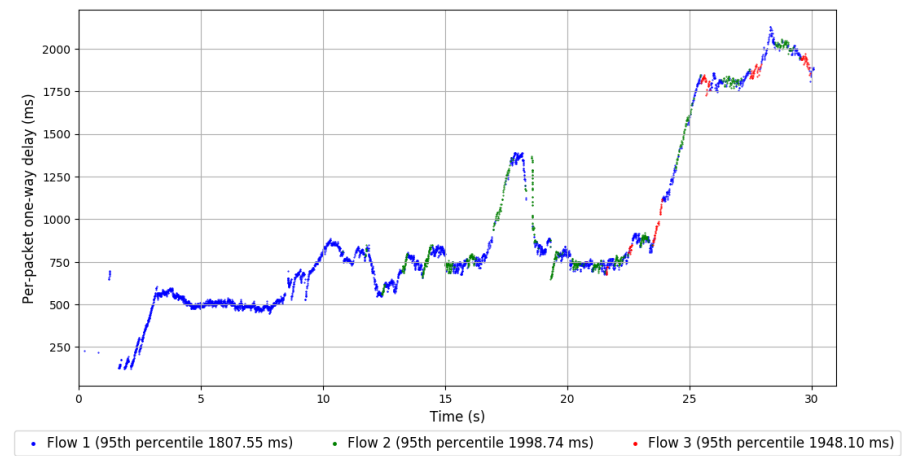
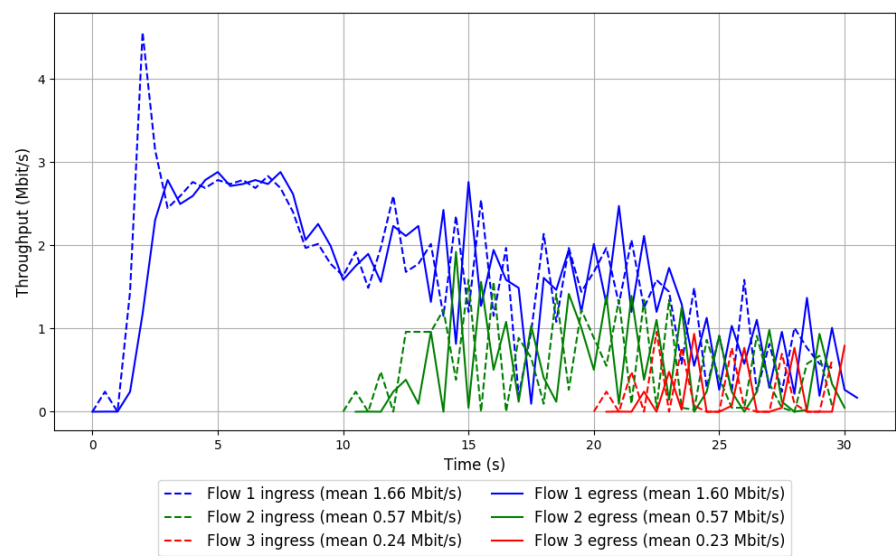


Run 10: Statistics of TCP Vegas

Start at: 2018-05-24 12:14:38
End at: 2018-05-24 12:15:08
Local clock offset: -2.431 ms
Remote clock offset: 10.724 ms

Below is generated by plot.py at 2018-05-24 12:27:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 1857.242 ms
Loss rate: 3.57%
-- Flow 1:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 1807.549 ms
Loss rate: 2.59%
-- Flow 2:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 1998.737 ms
Loss rate: 5.85%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 1948.098 ms
Loss rate: 13.12%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-24 09:30:35

End at: 2018-05-24 09:31:05

Local clock offset: -2.268 ms

Remote clock offset: 12.197 ms

Run 1: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of Verus

Start at: 2018-05-24 09:49:44

End at: 2018-05-24 09:50:14

Local clock offset: -3.643 ms

Remote clock offset: 15.681 ms

Run 2: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of Verus

Start at: 2018-05-24 10:08:54

End at: 2018-05-24 10:09:24

Local clock offset: -2.844 ms

Remote clock offset: 10.423 ms

Run 3: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of Verus

Start at: 2018-05-24 10:28:03

End at: 2018-05-24 10:28:33

Local clock offset: -3.592 ms

Remote clock offset: 15.984 ms

Run 4: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of Verus

Start at: 2018-05-24 10:47:12

End at: 2018-05-24 10:47:42

Local clock offset: -2.203 ms

Remote clock offset: 13.797 ms

Run 5: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of Verus

Start at: 2018-05-24 11:06:23

End at: 2018-05-24 11:06:53

Local clock offset: -1.98 ms

Remote clock offset: 10.902 ms

Run 6: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of Verus

Start at: 2018-05-24 11:25:32

End at: 2018-05-24 11:26:02

Local clock offset: -1.402 ms

Remote clock offset: 2.208 ms

Run 7: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of Verus

Start at: 2018-05-24 11:44:41

End at: 2018-05-24 11:45:11

Local clock offset: -0.323 ms

Remote clock offset: 13.888 ms

Run 8: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of Verus

Start at: 2018-05-24 12:03:50

End at: 2018-05-24 12:04:20

Local clock offset: -2.323 ms

Remote clock offset: 13.112 ms

Run 9: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of Verus

Start at: 2018-05-24 12:23:01

End at: 2018-05-24 12:23:31

Local clock offset: -3.448 ms

Remote clock offset: 9.772 ms

Run 10: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 1: Statistics of PCC-Vivace

Start at: 2018-05-24 09:21:00

End at: 2018-05-24 09:21:30

Local clock offset: -2.422 ms

Remote clock offset: 9.15 ms

Below is generated by plot.py at 2018-05-24 12:27:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.91 Mbit/s

95th percentile per-packet one-way delay: 2089.479 ms

Loss rate: 11.94%

-- Flow 1:

Average throughput: 1.60 Mbit/s

95th percentile per-packet one-way delay: 2056.656 ms

Loss rate: 7.11%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 2094.372 ms

Loss rate: 14.48%

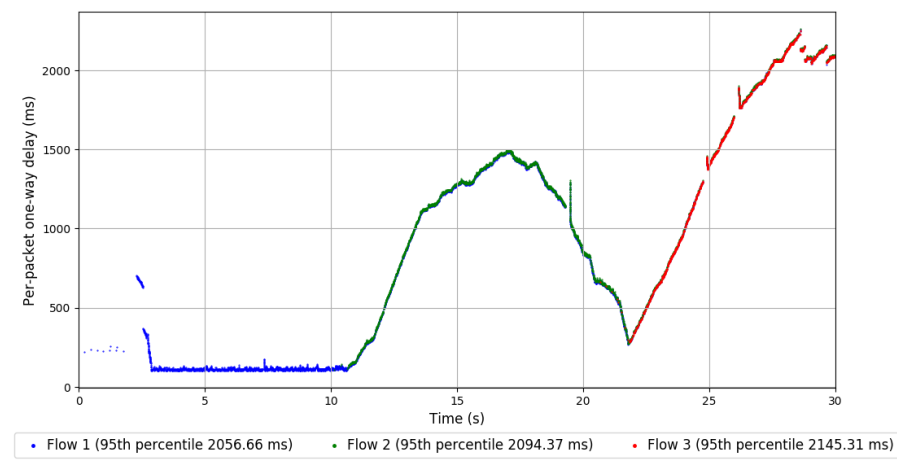
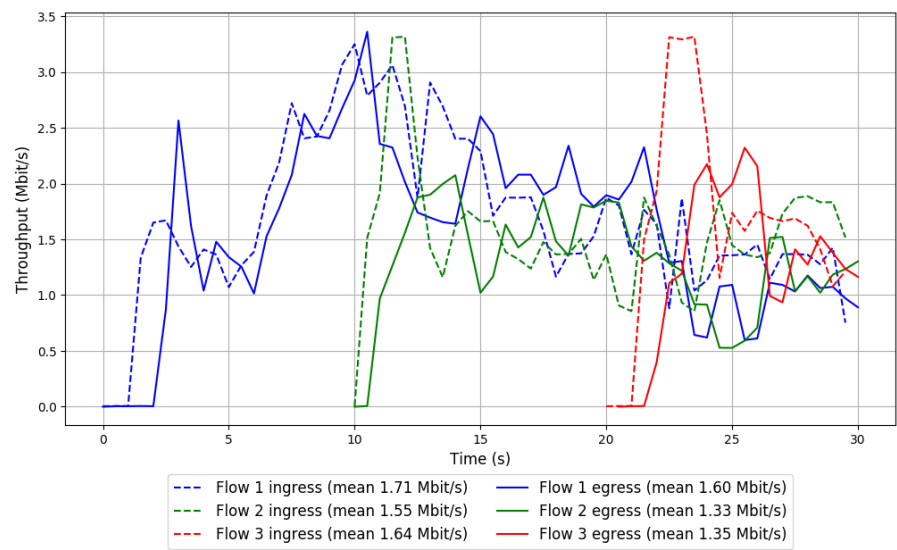
-- Flow 3:

Average throughput: 1.35 Mbit/s

95th percentile per-packet one-way delay: 2145.311 ms

Loss rate: 22.41%

Run 1: Report of PCC-Vivace — Data Link

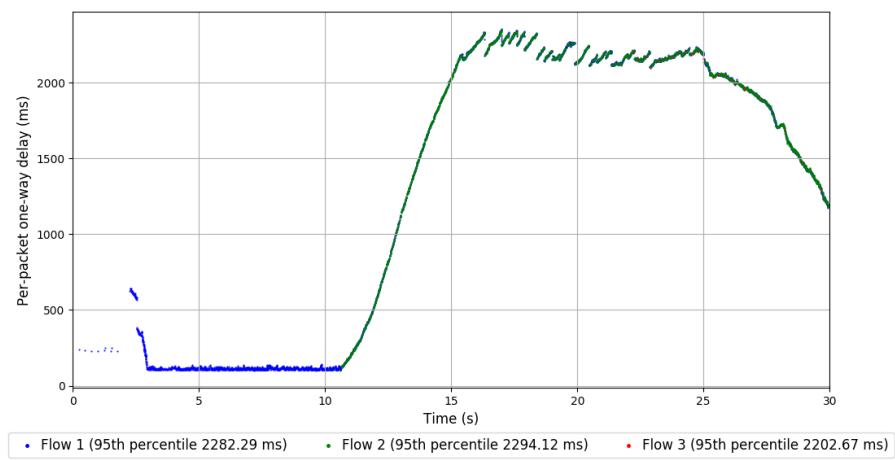
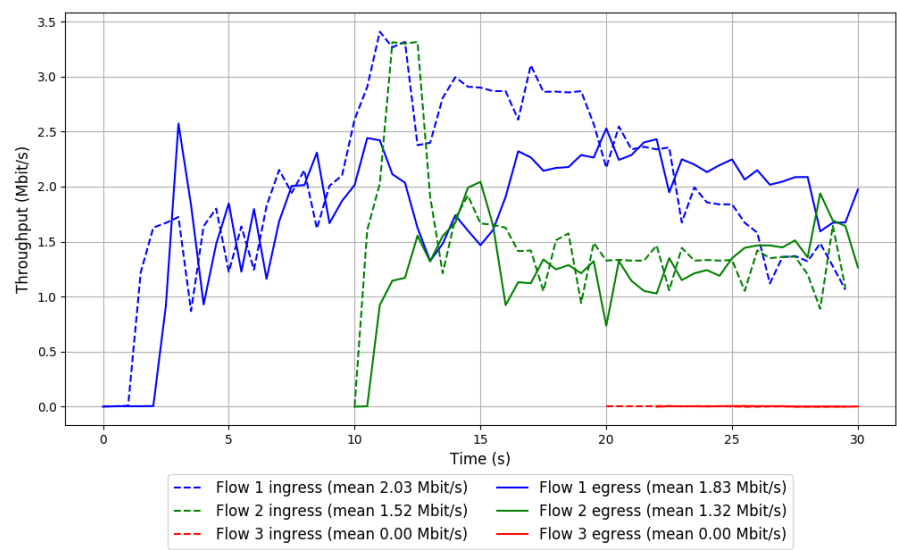


Run 2: Statistics of PCC-Vivace

Start at: 2018-05-24 09:40:09
End at: 2018-05-24 09:40:39
Local clock offset: -2.861 ms
Remote clock offset: 13.799 ms

Below is generated by plot.py at 2018-05-24 12:27:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.72 Mbit/s
95th percentile per-packet one-way delay: 2286.111 ms
Loss rate: 11.23%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 2282.292 ms
Loss rate: 10.23%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 2294.116 ms
Loss rate: 13.23%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 2202.670 ms
Loss rate: 3.75%

Run 2: Report of PCC-Vivace — Data Link

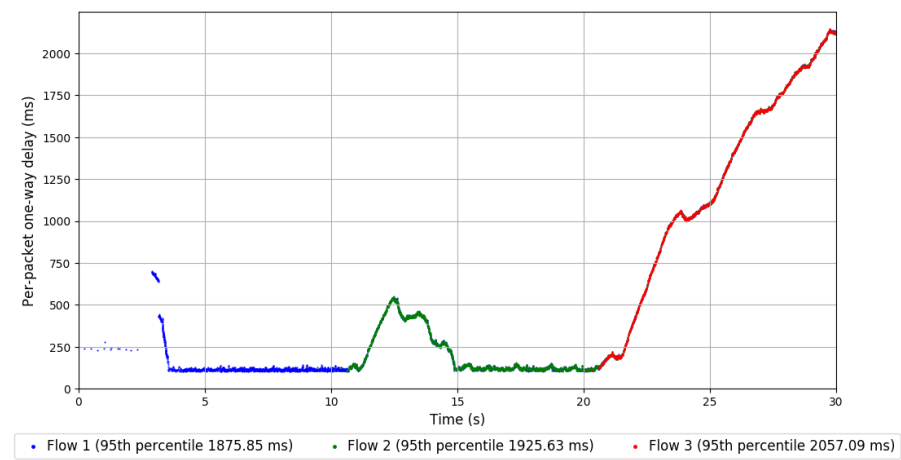
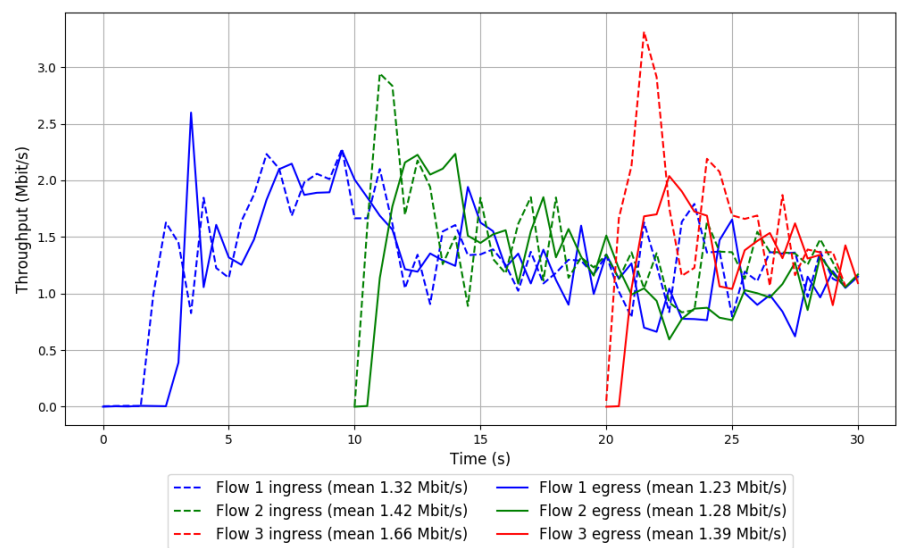


Run 3: Statistics of PCC-Vivace

Start at: 2018-05-24 09:59:19
End at: 2018-05-24 09:59:49
Local clock offset: -2.778 ms
Remote clock offset: 14.955 ms

Below is generated by plot.py at 2018-05-24 12:27:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.55 Mbit/s
95th percentile per-packet one-way delay: 1926.639 ms
Loss rate: 9.87%
-- Flow 1:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 1875.851 ms
Loss rate: 7.10%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 1925.633 ms
Loss rate: 9.66%
-- Flow 3:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 2057.087 ms
Loss rate: 16.88%

Run 3: Report of PCC-Vivace — Data Link

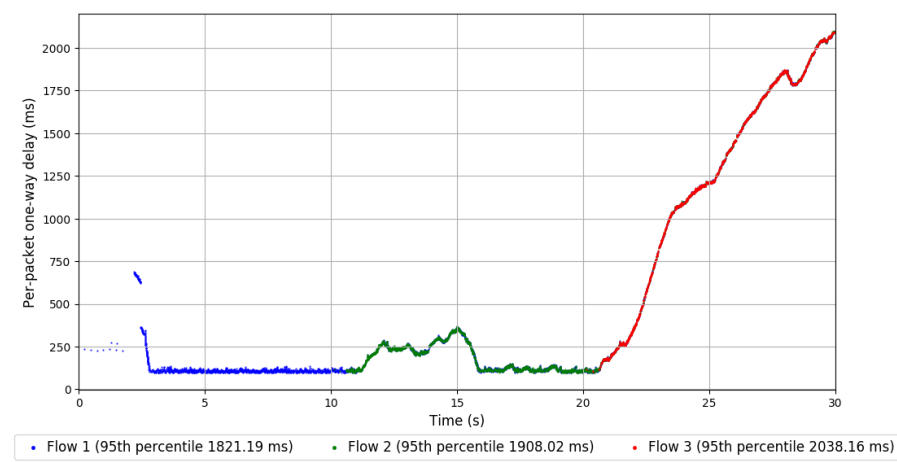
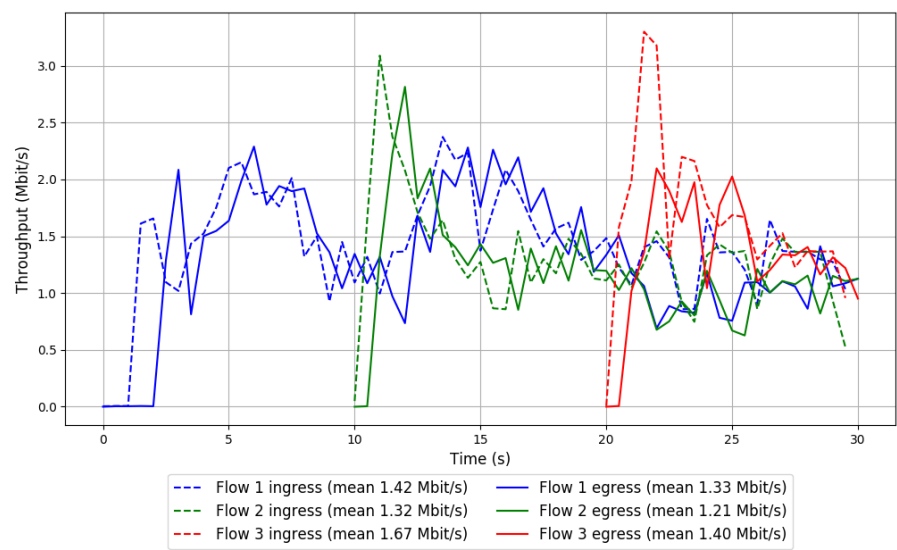


Run 4: Statistics of PCC-Vivace

Start at: 2018-05-24 10:18:28
End at: 2018-05-24 10:18:58
Local clock offset: -2.752 ms
Remote clock offset: 11.595 ms

Below is generated by plot.py at 2018-05-24 12:27:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 1894.861 ms
Loss rate: 9.45%
-- Flow 1:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 1821.192 ms
Loss rate: 7.22%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 1908.017 ms
Loss rate: 8.69%
-- Flow 3:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 2038.165 ms
Loss rate: 16.41%

Run 4: Report of PCC-Vivace — Data Link

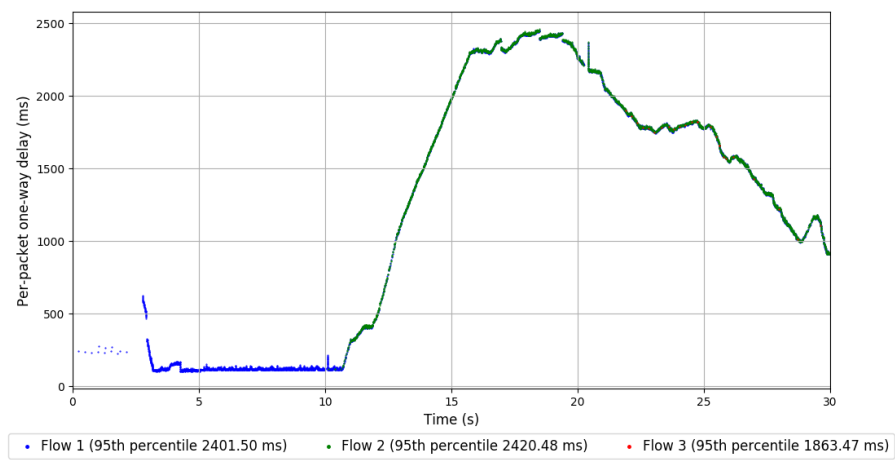
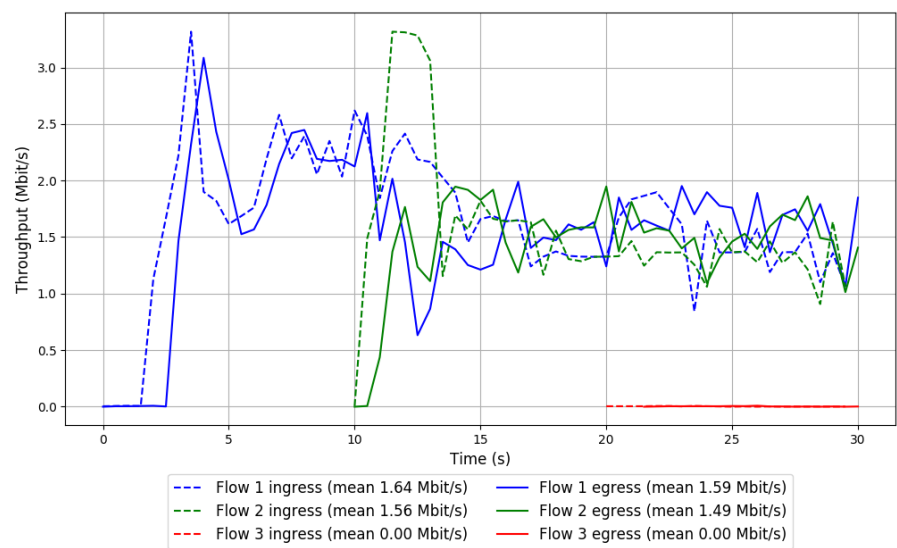


Run 5: Statistics of PCC-Vivace

Start at: 2018-05-24 10:37:37
End at: 2018-05-24 10:38:07
Local clock offset: -2.948 ms
Remote clock offset: 13.771 ms

Below is generated by plot.py at 2018-05-24 12:27:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.59 Mbit/s
95th percentile per-packet one-way delay: 2413.375 ms
Loss rate: 3.84%
-- Flow 1:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 2401.504 ms
Loss rate: 3.24%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 2420.483 ms
Loss rate: 4.78%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1863.474 ms
Loss rate: 3.85%

Run 5: Report of PCC-Vivace — Data Link

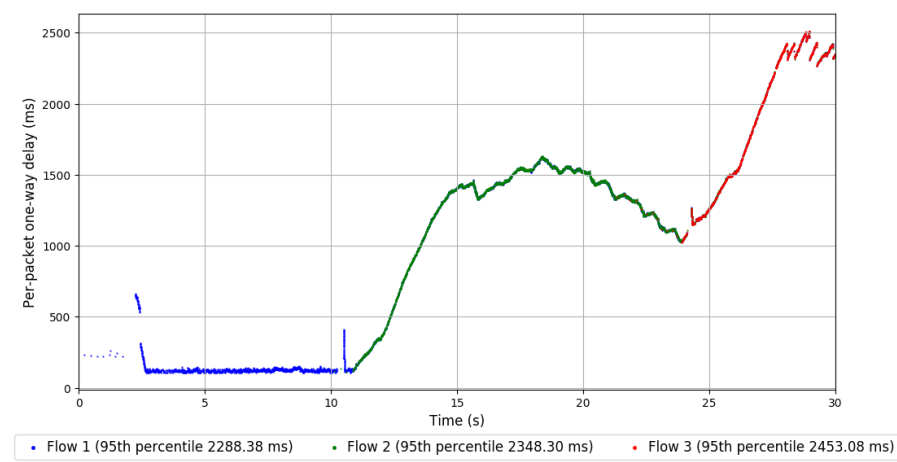
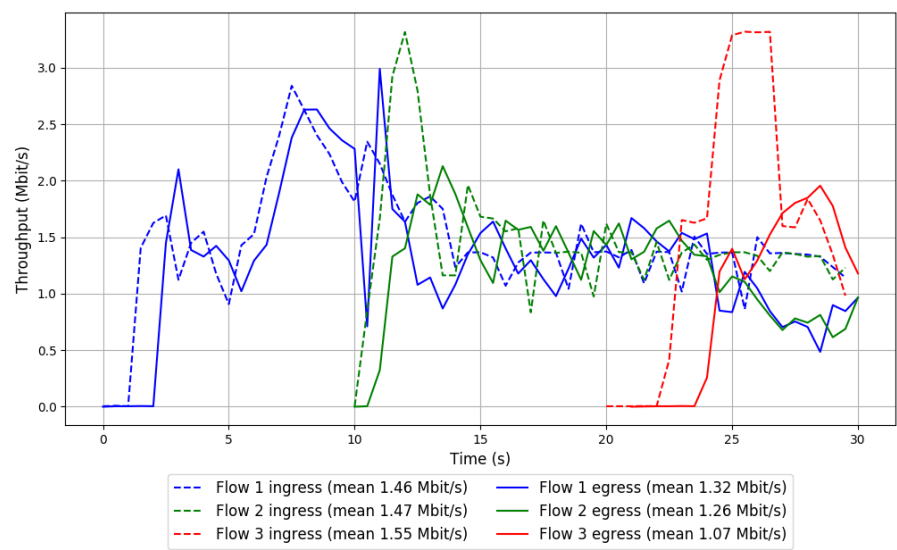


Run 6: Statistics of PCC-Vivace

Start at: 2018-05-24 10:56:48
End at: 2018-05-24 10:57:18
Local clock offset: -2.058 ms
Remote clock offset: 14.726 ms

Below is generated by plot.py at 2018-05-24 12:27:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 2369.248 ms
Loss rate: 16.53%
-- Flow 1:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 2288.381 ms
Loss rate: 10.08%
-- Flow 2:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 2348.300 ms
Loss rate: 14.25%
-- Flow 3:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: 2453.078 ms
Loss rate: 39.36%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-24 11:15:57

End at: 2018-05-24 11:16:27

Local clock offset: -1.622 ms

Remote clock offset: 2.726 ms

Below is generated by plot.py at 2018-05-24 12:27:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 2410.469 ms

Loss rate: 5.47%

-- Flow 1:

Average throughput: 1.35 Mbit/s

95th percentile per-packet one-way delay: 2395.921 ms

Loss rate: 4.97%

-- Flow 2:

Average throughput: 1.40 Mbit/s

95th percentile per-packet one-way delay: 2420.945 ms

Loss rate: 6.20%

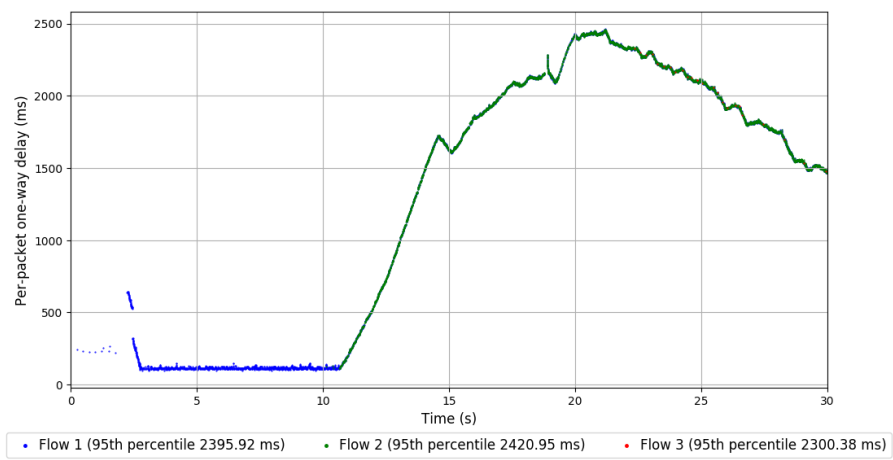
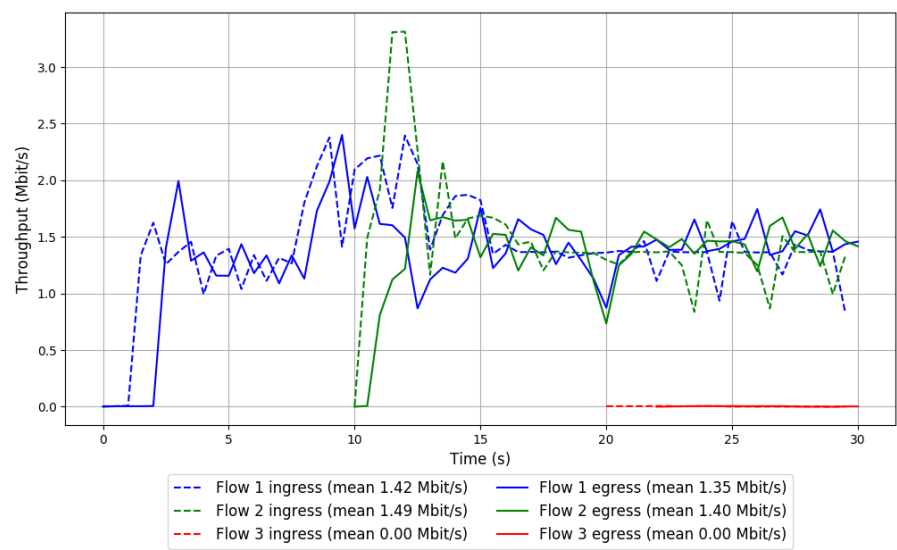
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2300.383 ms

Loss rate: 3.77%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-24 11:35:06

End at: 2018-05-24 11:35:36

Local clock offset: -0.473 ms

Remote clock offset: 3.591 ms

Below is generated by plot.py at 2018-05-24 12:27:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 3200.159 ms

Loss rate: 8.48%

-- Flow 1:

Average throughput: 1.37 Mbit/s

95th percentile per-packet one-way delay: 3187.422 ms

Loss rate: 7.71%

-- Flow 2:

Average throughput: 1.37 Mbit/s

95th percentile per-packet one-way delay: 3242.304 ms

Loss rate: 9.61%

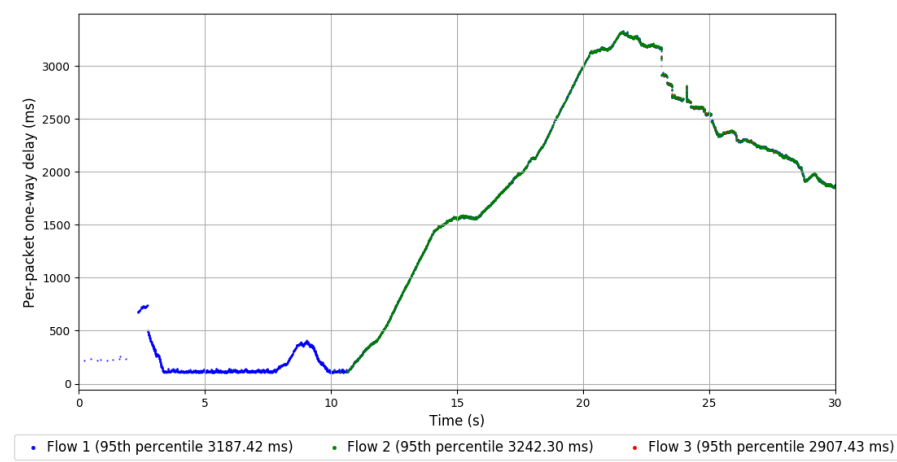
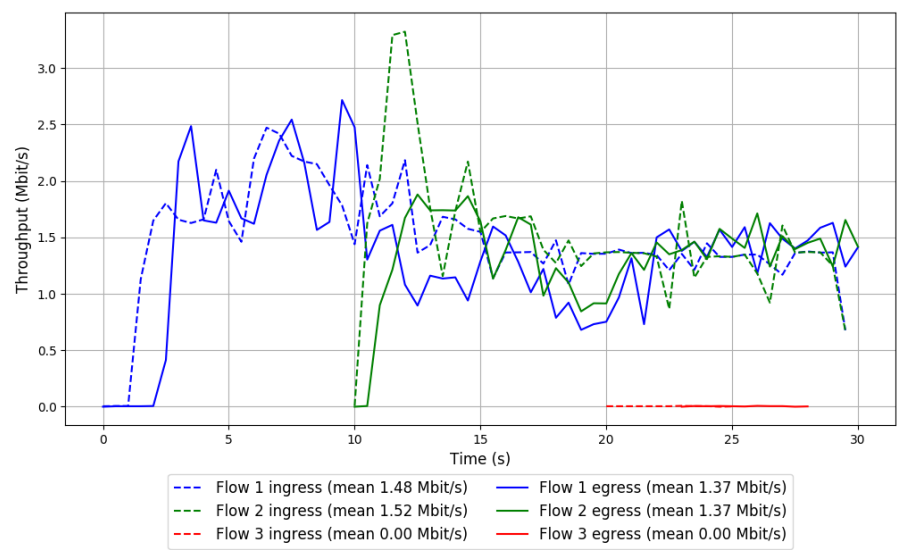
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2907.432 ms

Loss rate: 4.60%

Run 8: Report of PCC-Vivace — Data Link

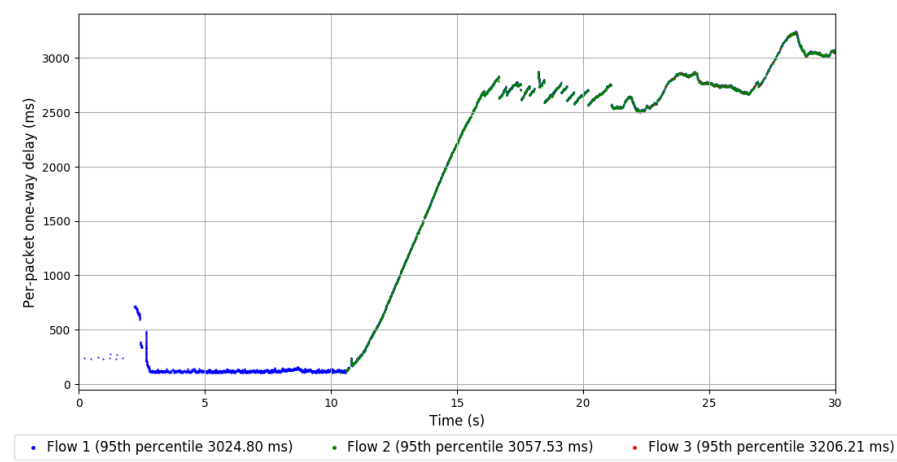
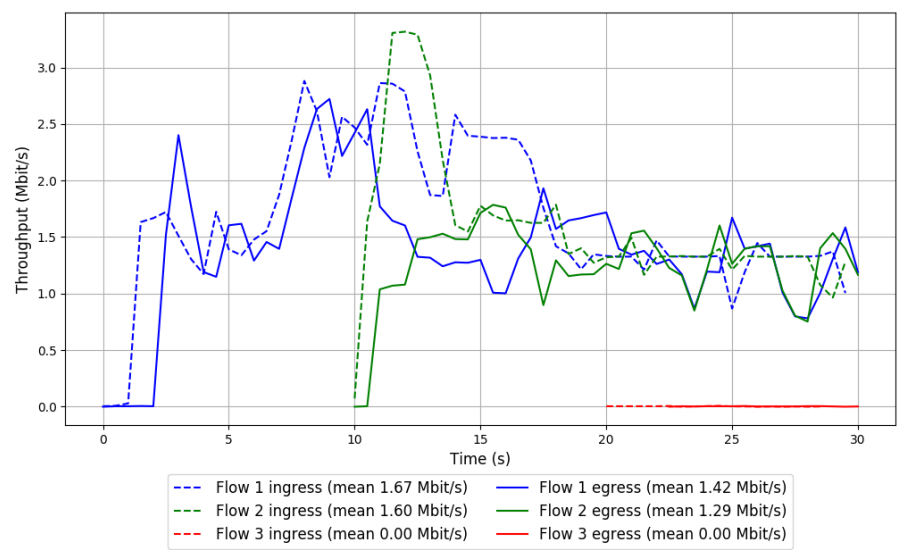


Run 9: Statistics of PCC-Vivace

Start at: 2018-05-24 11:54:15
End at: 2018-05-24 11:54:45
Local clock offset: -0.943 ms
Remote clock offset: 11.641 ms

Below is generated by plot.py at 2018-05-24 12:27:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 3043.995 ms
Loss rate: 16.90%
-- Flow 1:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 3024.799 ms
Loss rate: 15.09%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 3057.527 ms
Loss rate: 19.75%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 3206.210 ms
Loss rate: 7.42%

Run 9: Report of PCC-Vivace — Data Link

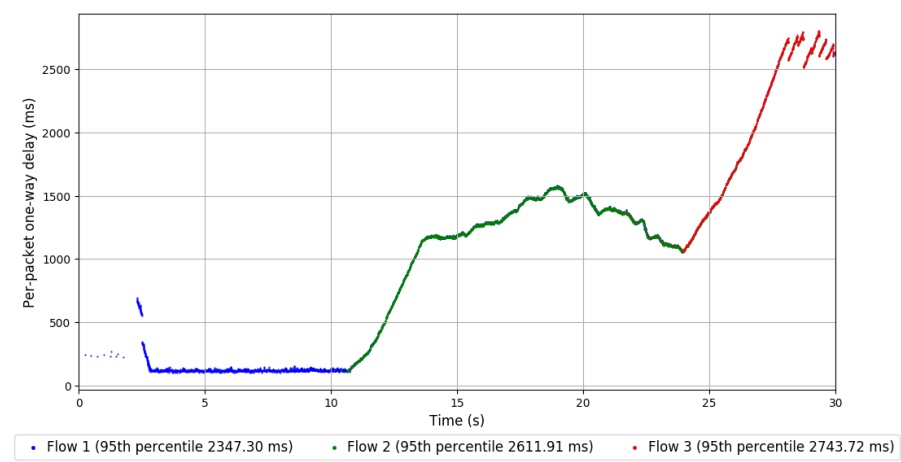
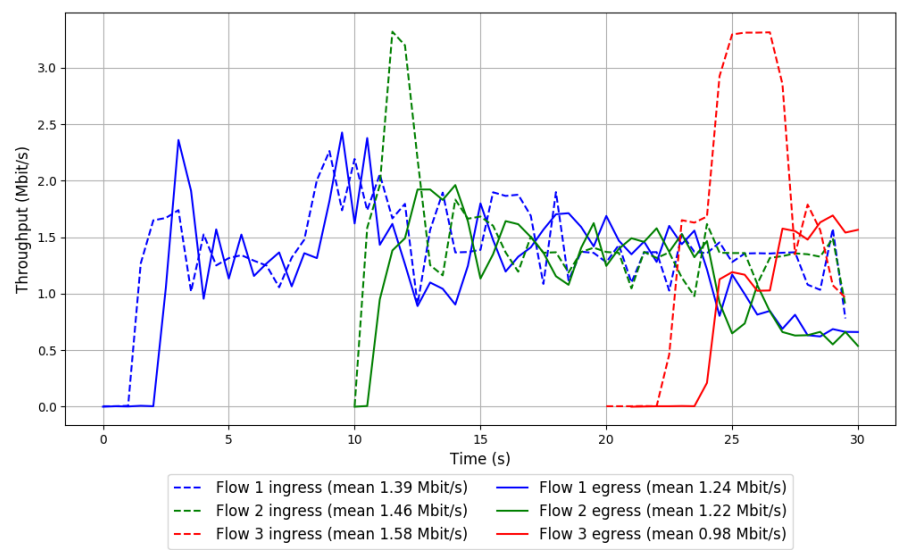


Run 10: Statistics of PCC-Vivace

Start at: 2018-05-24 12:13:26
End at: 2018-05-24 12:13:56
Local clock offset: -2.312 ms
Remote clock offset: 12.175 ms

Below is generated by plot.py at 2018-05-24 12:27:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 2658.779 ms
Loss rate: 19.54%
-- Flow 1:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 2347.296 ms
Loss rate: 11.63%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 2611.907 ms
Loss rate: 16.58%
-- Flow 3:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 2743.723 ms
Loss rate: 46.11%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-05-24 09:24:36

End at: 2018-05-24 09:25:06

Local clock offset: -3.199 ms

Remote clock offset: 7.708 ms

Below is generated by plot.py at 2018-05-24 12:27:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 221.754 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 257.470 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 212.815 ms

Loss rate: 0.00%

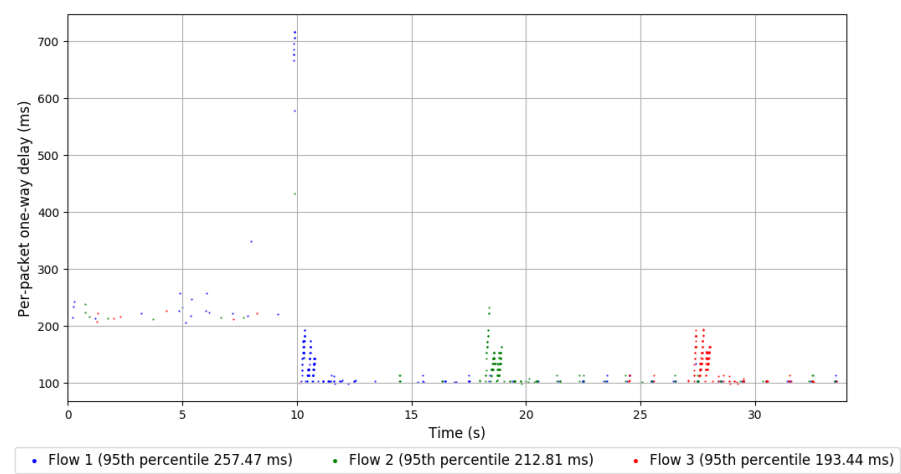
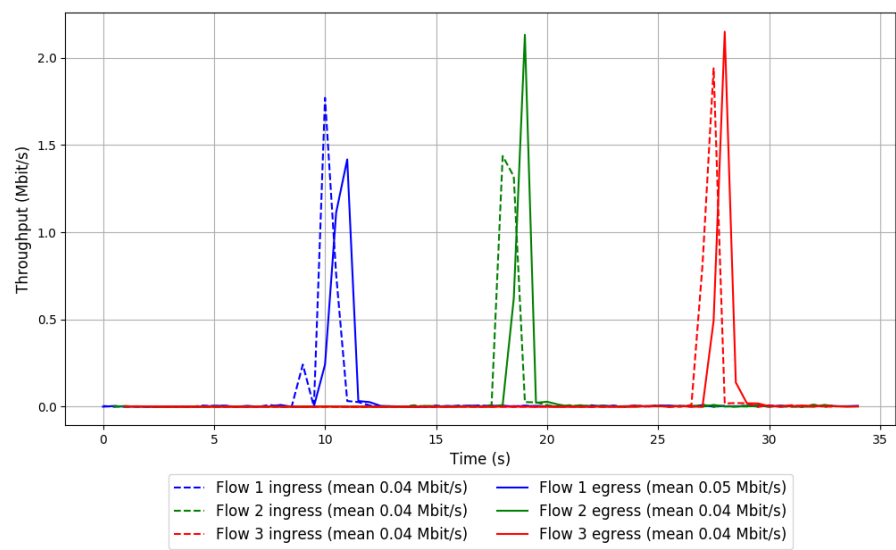
-- Flow 3:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 193.442 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

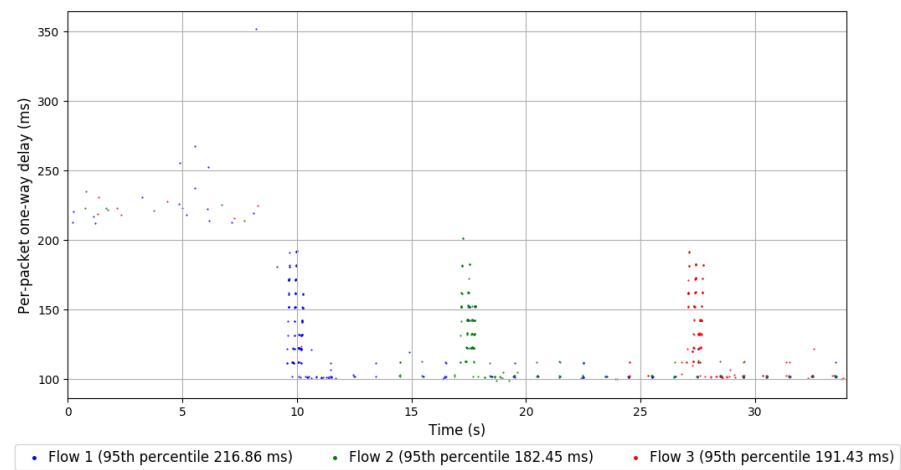
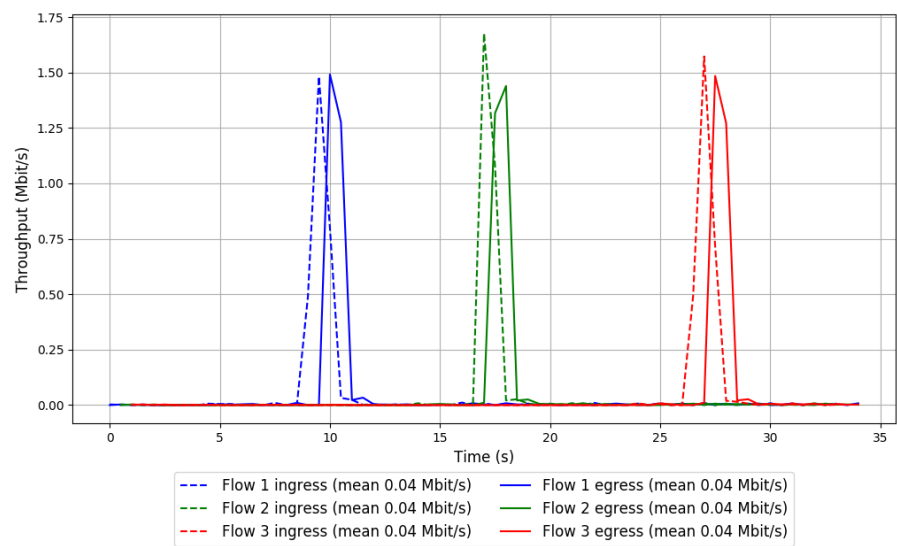


Run 2: Statistics of WebRTC media

Start at: 2018-05-24 09:43:45
End at: 2018-05-24 09:44:15
Local clock offset: -2.899 ms
Remote clock offset: 11.275 ms

Below is generated by plot.py at 2018-05-24 12:27:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 201.566 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 216.860 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 182.453 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 191.432 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

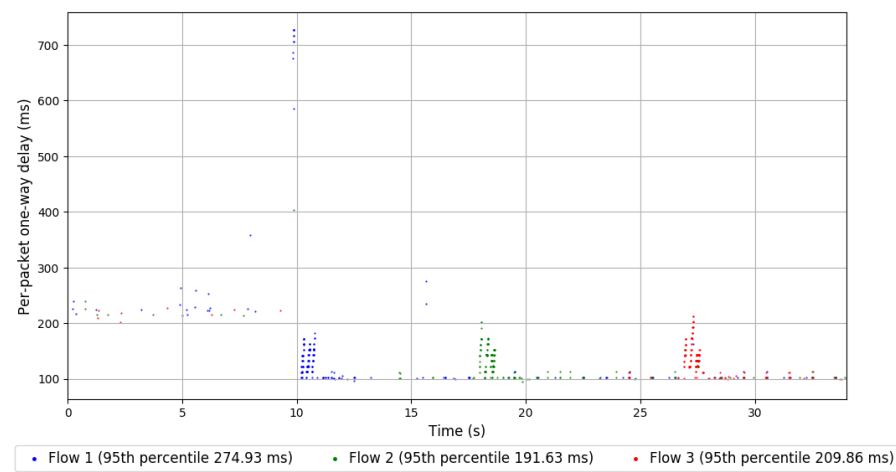
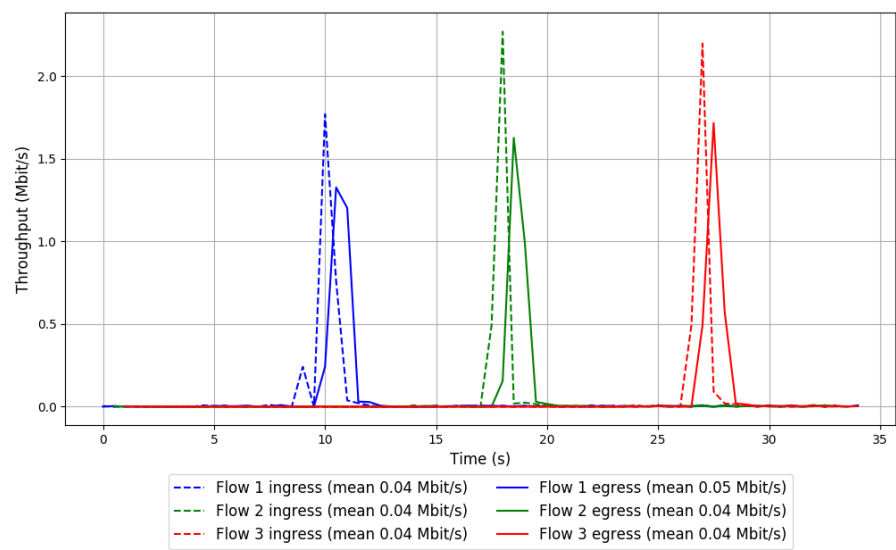


Run 3: Statistics of WebRTC media

Start at: 2018-05-24 10:02:54
End at: 2018-05-24 10:03:24
Local clock offset: -2.01 ms
Remote clock offset: 10.221 ms

Below is generated by plot.py at 2018-05-24 12:27:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 223.280 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 274.928 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 191.629 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 209.858 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

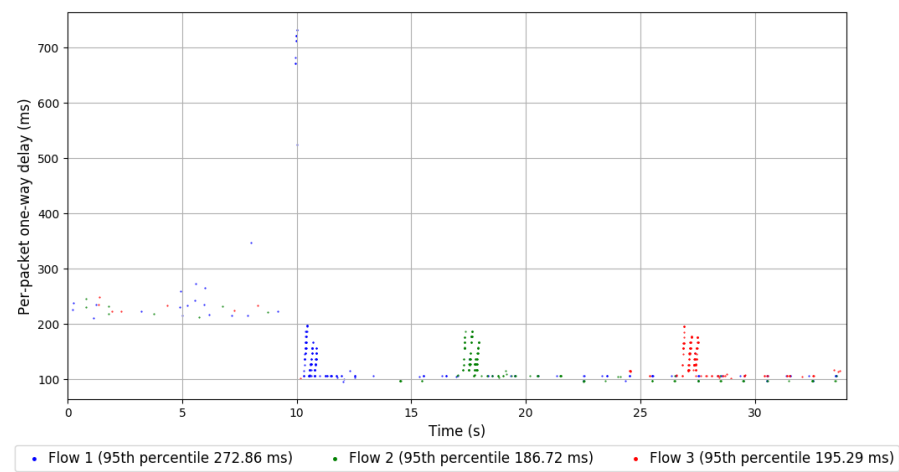
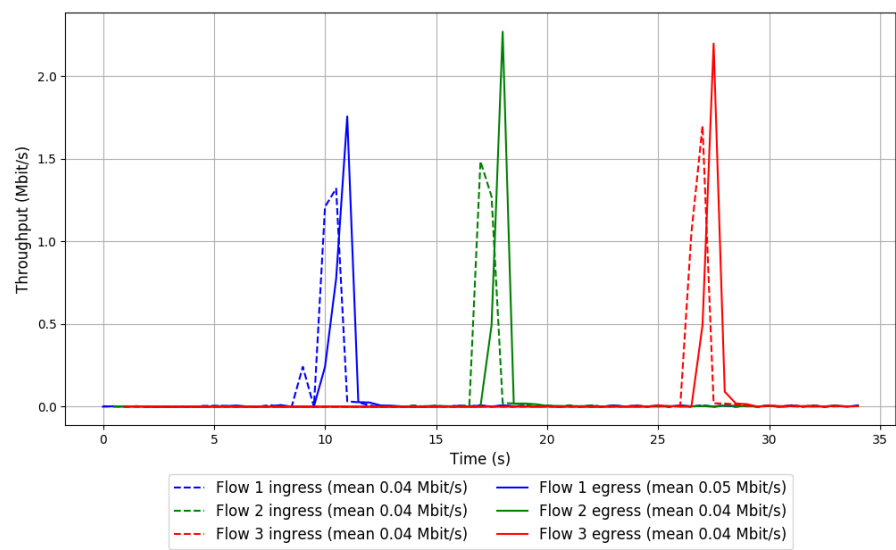


Run 4: Statistics of WebRTC media

Start at: 2018-05-24 10:22:04
End at: 2018-05-24 10:22:34
Local clock offset: -1.992 ms
Remote clock offset: 10.991 ms

Below is generated by plot.py at 2018-05-24 12:27:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 223.296 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 272.857 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 186.717 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 195.291 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

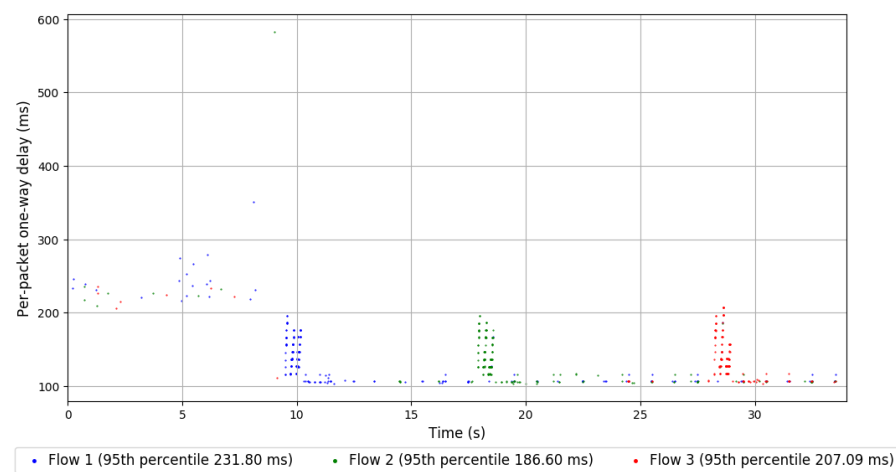
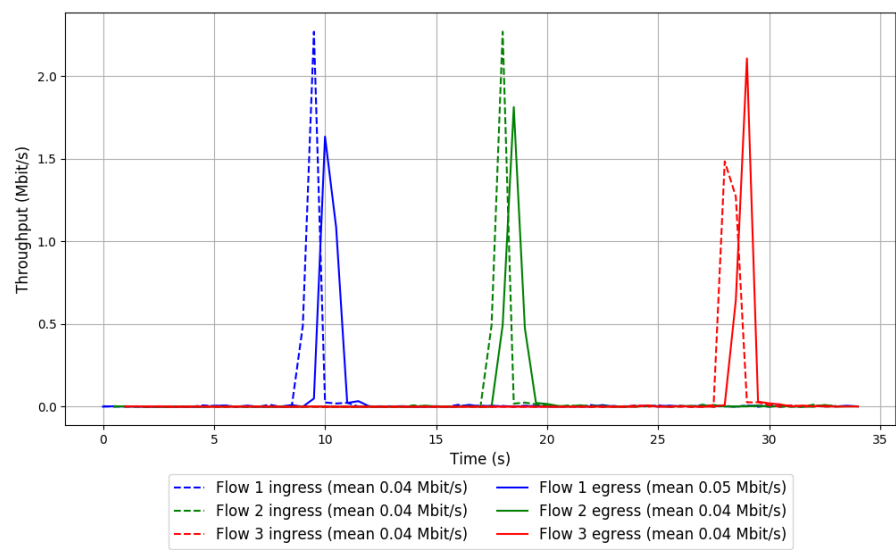


Run 5: Statistics of WebRTC media

Start at: 2018-05-24 10:41:13
End at: 2018-05-24 10:41:43
Local clock offset: -3.667 ms
Remote clock offset: 14.583 ms

Below is generated by plot.py at 2018-05-24 12:27:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 214.906 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 231.797 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 186.601 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 207.088 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

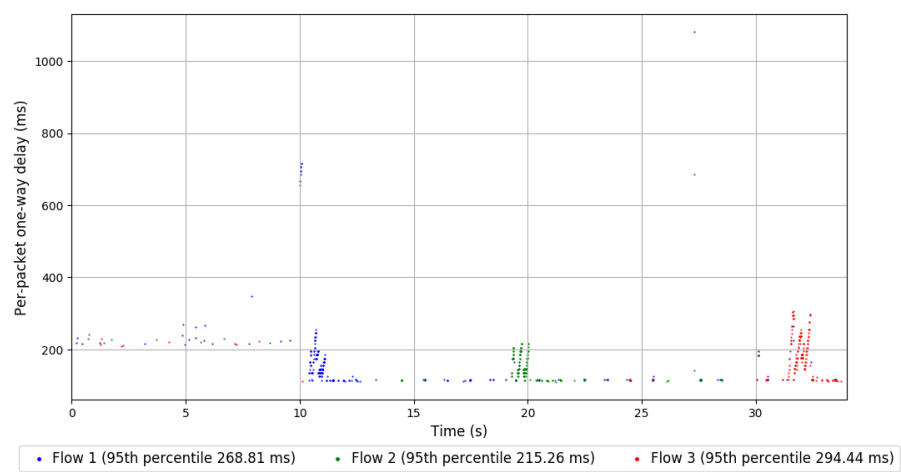
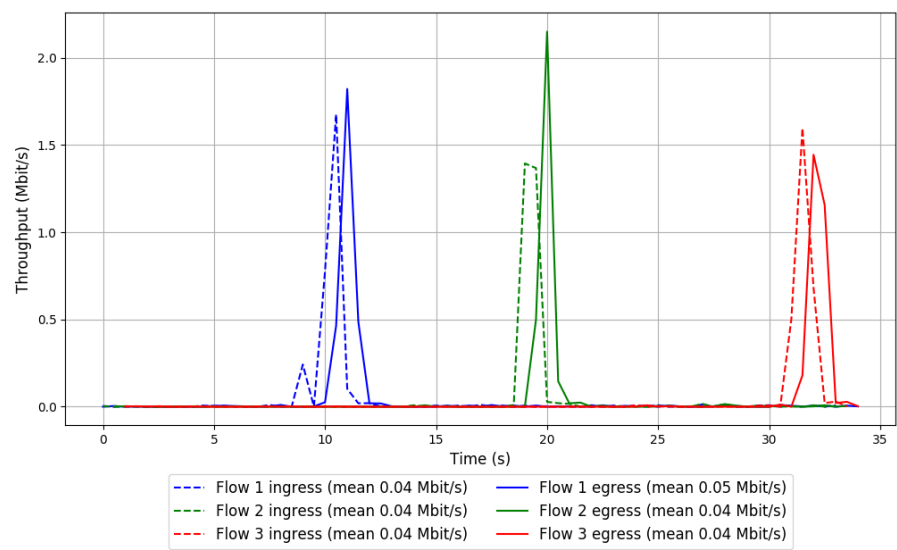


Run 6: Statistics of WebRTC media

Start at: 2018-05-24 11:00:25
End at: 2018-05-24 11:00:55
Local clock offset: -3.166 ms
Remote clock offset: 13.382 ms

Below is generated by plot.py at 2018-05-24 12:27:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 264.544 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 268.810 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 215.258 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 294.441 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-05-24 11:19:33

End at: 2018-05-24 11:20:03

Local clock offset: -2.361 ms

Remote clock offset: 2.989 ms

Below is generated by plot.py at 2018-05-24 12:27:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 221.332 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 229.269 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 202.380 ms

Loss rate: 0.00%

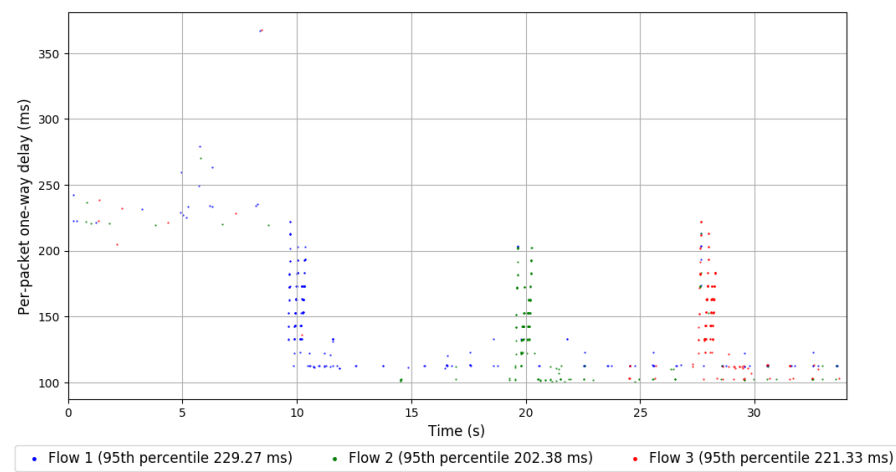
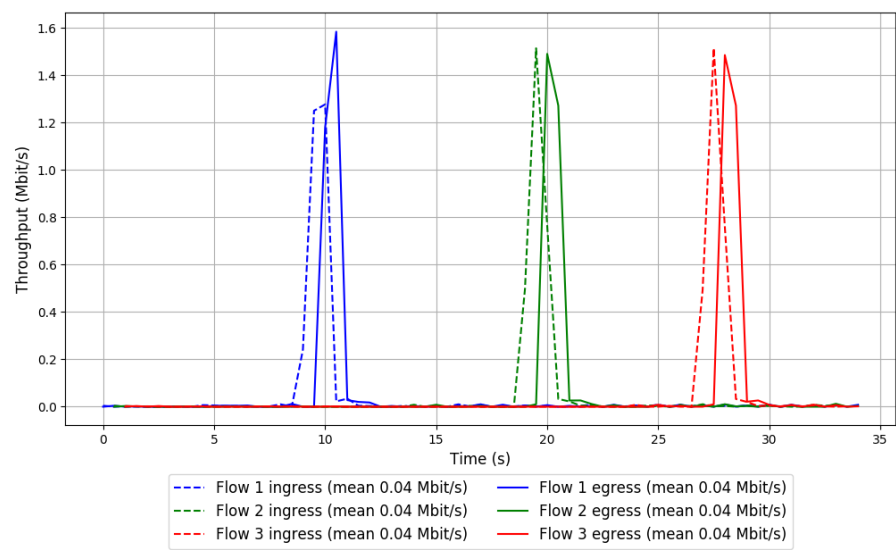
-- Flow 3:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 221.332 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-05-24 11:38:42

End at: 2018-05-24 11:39:12

Local clock offset: -1.185 ms

Remote clock offset: 5.228 ms

Below is generated by plot.py at 2018-05-24 12:27:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 218.951 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 264.588 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 202.890 ms

Loss rate: 0.00%

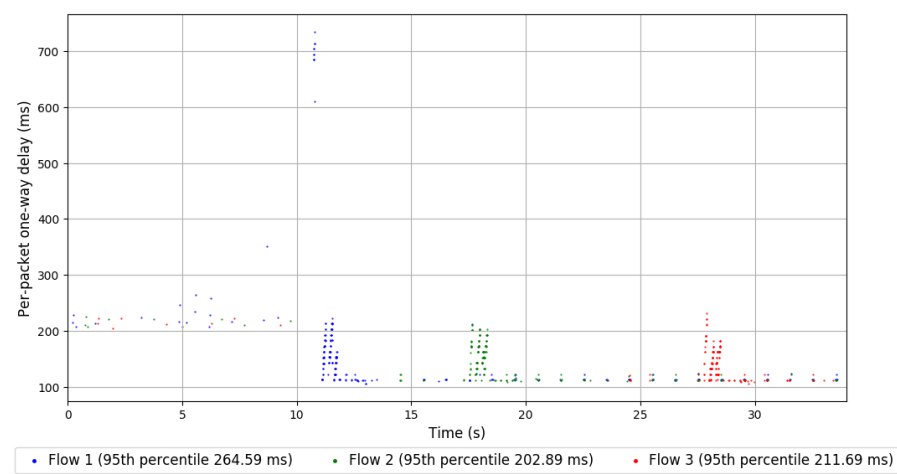
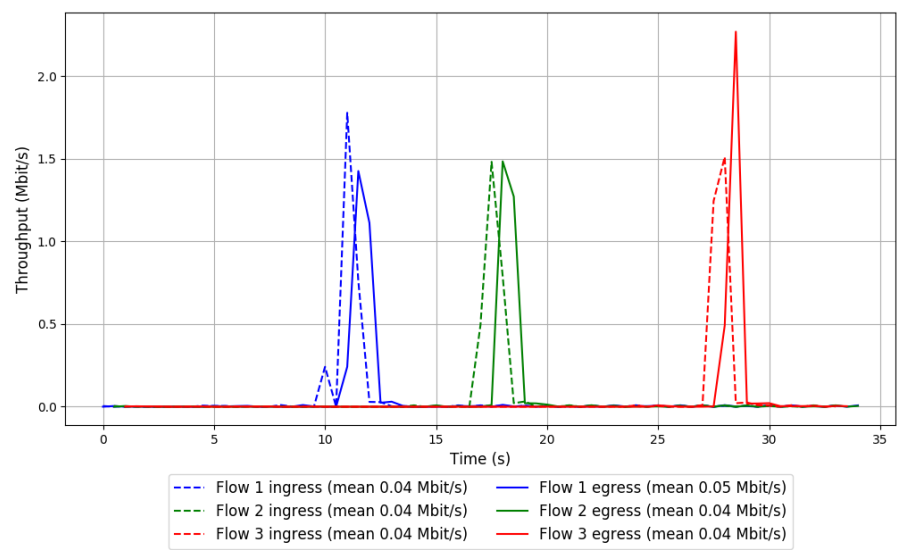
-- Flow 3:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 211.694 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

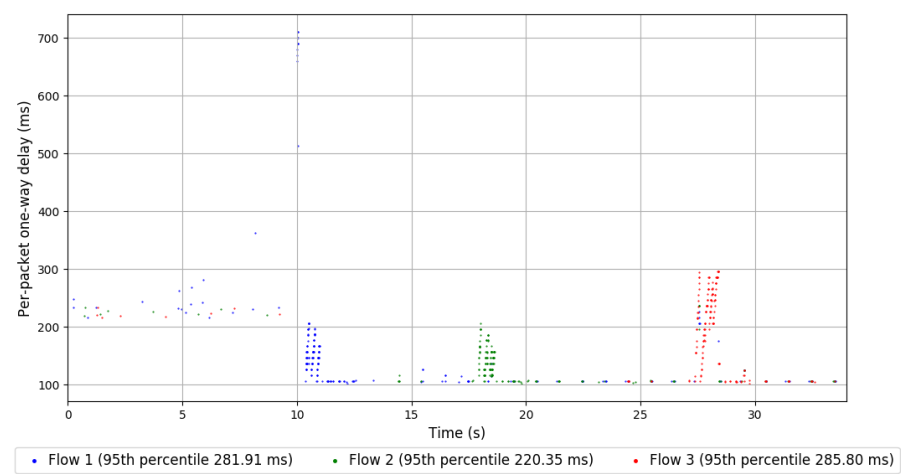
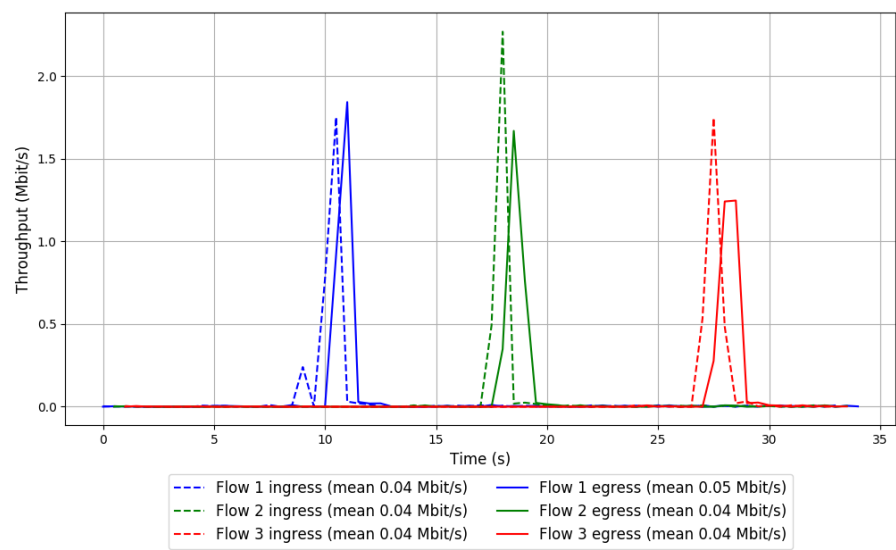


Run 9: Statistics of WebRTC media

Start at: 2018-05-24 11:57:51
End at: 2018-05-24 11:58:21
Local clock offset: -0.558 ms
Remote clock offset: 11.407 ms

Below is generated by plot.py at 2018-05-24 12:27:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 276.307 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 281.912 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 220.354 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 285.800 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-24 12:17:02

End at: 2018-05-24 12:17:32

Local clock offset: -4.005 ms

Remote clock offset: 6.515 ms

Below is generated by plot.py at 2018-05-24 12:27:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 222.949 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 229.001 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 202.804 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 211.726 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

