

Pantheon Report

Generated at 2018-07-21 02:26:01 (UTC).

Data path: GCE Iowa Ethernet (*remote*) → GCE London Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

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

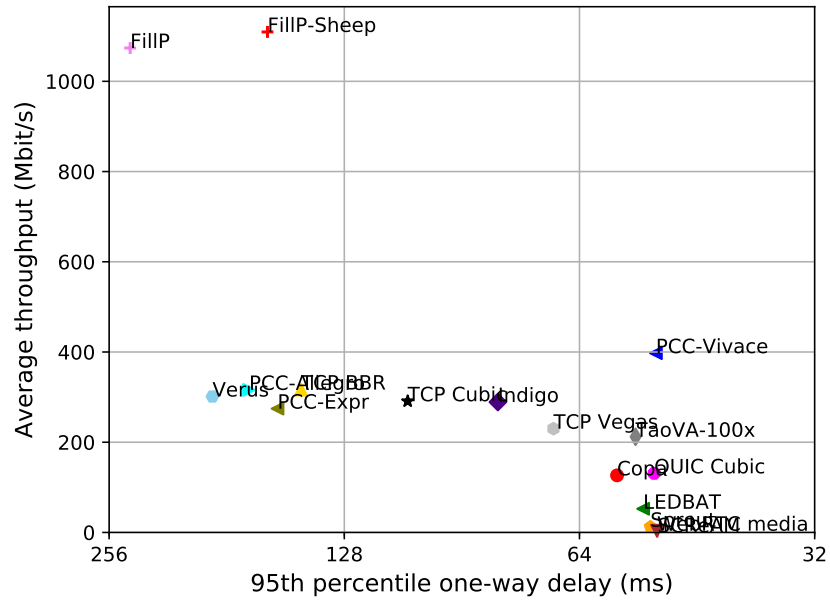
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `time.google.com` and have been applied to correct the timestamps in logs.

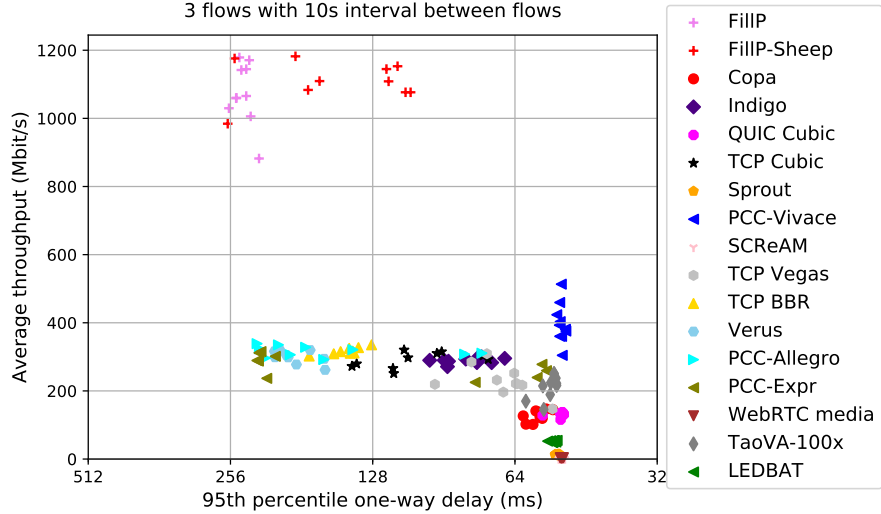
Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
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-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE Iowa to GCE London, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from GCE Iowa to GCE London, 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	173.84	153.41	123.94	139.80	145.37	153.77	0.44	0.71	1.94
Copa	10	63.39	66.89	59.52	56.81	57.64	58.81	0.37	0.68	0.72
TCP Cubic	10	168.69	143.25	81.83	102.99	106.60	110.28	0.35	0.67	2.79
FillP	10	531.92	536.26	563.96	238.53	245.00	237.84	1.03	1.26	2.43
FillP-Sheep	10	575.30	543.10	525.88	149.73	149.07	154.58	0.56	0.80	1.40
Indigo	10	172.45	138.03	75.69	76.68	82.69	91.04	0.32	0.50	1.22
LEDBAT	10	33.62	23.03	10.75	52.88	53.29	53.60	0.62	1.01	2.12
PCC-Allegro	10	279.94	39.86	29.39	168.54	170.64	158.43	0.61	0.83	1.58
PCC-Expr	10	177.13	126.28	41.12	146.31	162.65	148.92	0.99	1.63	2.96
QUIC Cubic	10	70.93	64.70	51.24	50.68	50.55	52.59	0.35	0.49	1.17
SCReAM	10	0.22	0.22	0.22	50.66	50.27	55.27	0.30	0.59	1.07
Sprout	10	6.89	6.09	4.85	51.99	51.79	51.73	0.30	0.57	1.25
TaoVA-100x	10	129.87	81.99	91.06	53.24	55.26	56.94	0.30	0.26	1.52
TCP Vegas	10	124.39	125.43	67.50	67.22	67.77	67.63	0.30	0.49	1.48
Verus	10	186.39	134.53	79.50	176.23	198.19	204.45	0.79	1.66	2.97
PCC-Vivace	10	238.85	199.08	80.81	51.37	50.81	51.30	0.31	0.54	1.72
WebRTC media	10	2.02	1.32	0.54	50.76	50.72	50.74	0.37	0.60	1.57

Run 1: Statistics of TCP BBR

Start at: 2018-07-20 20:11:33

End at: 2018-07-20 20:12:03

Local clock offset: 0.258 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-21 00:19:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 302.43 Mbit/s

95th percentile per-packet one-way delay: 174.444 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 168.92 Mbit/s

95th percentile per-packet one-way delay: 165.828 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 146.46 Mbit/s

95th percentile per-packet one-way delay: 173.674 ms

Loss rate: 0.70%

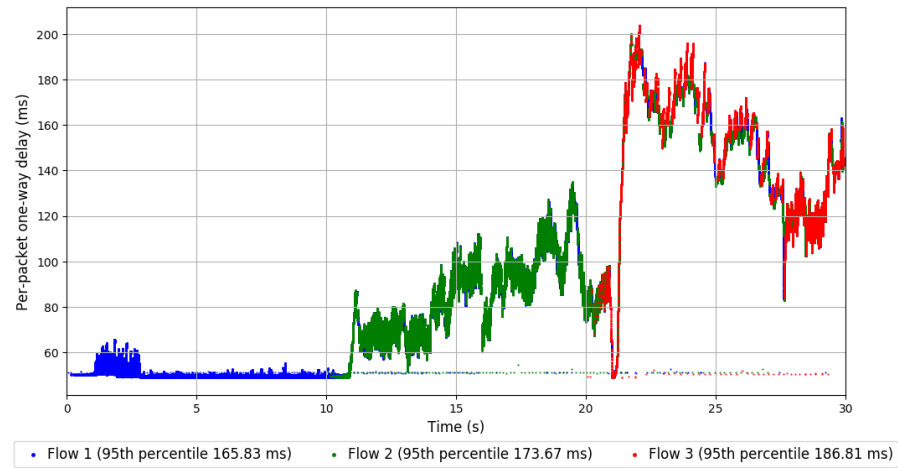
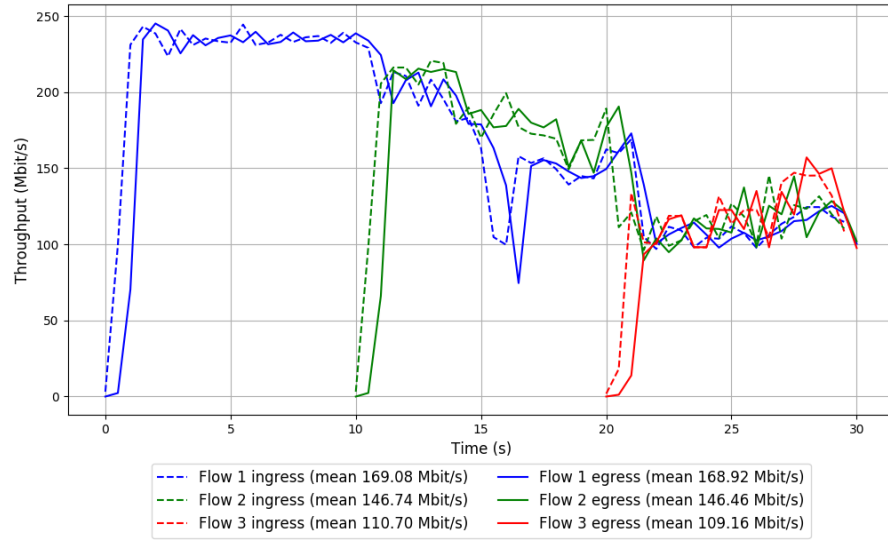
-- Flow 3:

Average throughput: 109.16 Mbit/s

95th percentile per-packet one-way delay: 186.805 ms

Loss rate: 2.08%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-20 20:35:08

End at: 2018-07-20 20:35:38

Local clock offset: -0.457 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-21 00:19:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 314.86 Mbit/s

95th percentile per-packet one-way delay: 141.679 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 179.44 Mbit/s

95th percentile per-packet one-way delay: 135.759 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 144.27 Mbit/s

95th percentile per-packet one-way delay: 141.708 ms

Loss rate: 0.83%

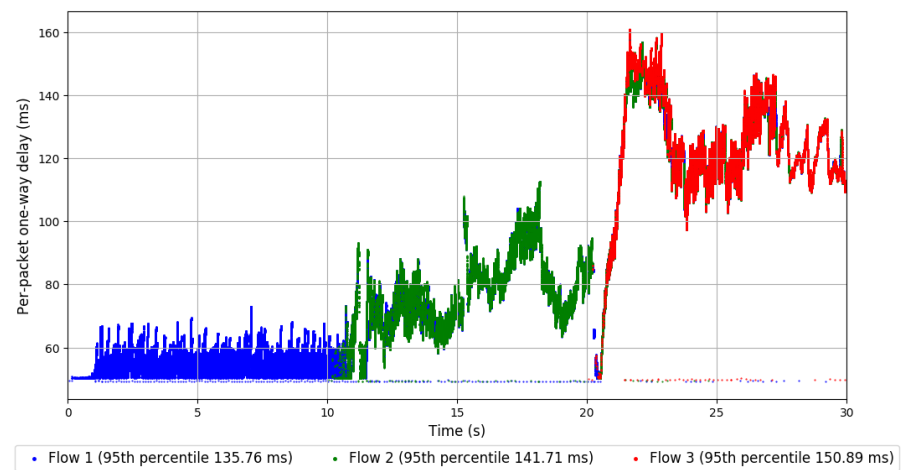
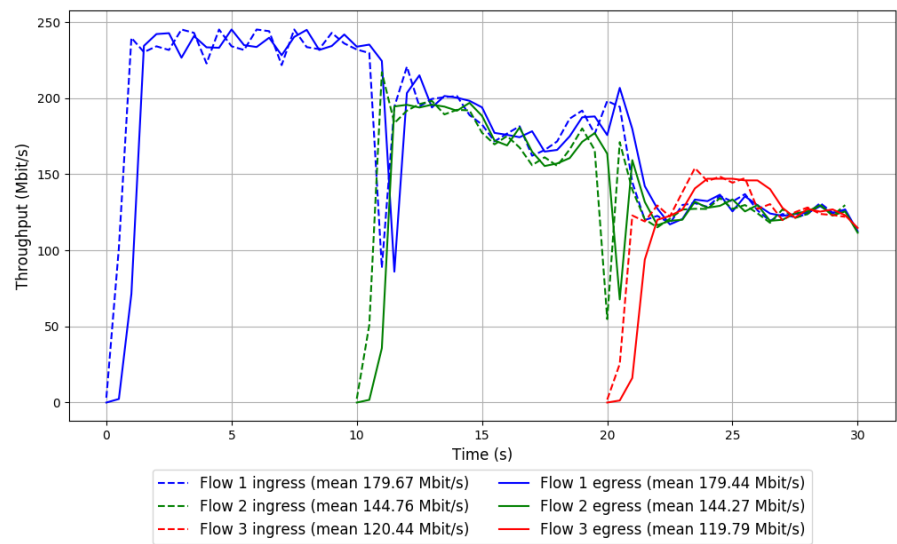
-- Flow 3:

Average throughput: 119.79 Mbit/s

95th percentile per-packet one-way delay: 150.887 ms

Loss rate: 1.55%

Run 2: Report of TCP BBR — Data Link

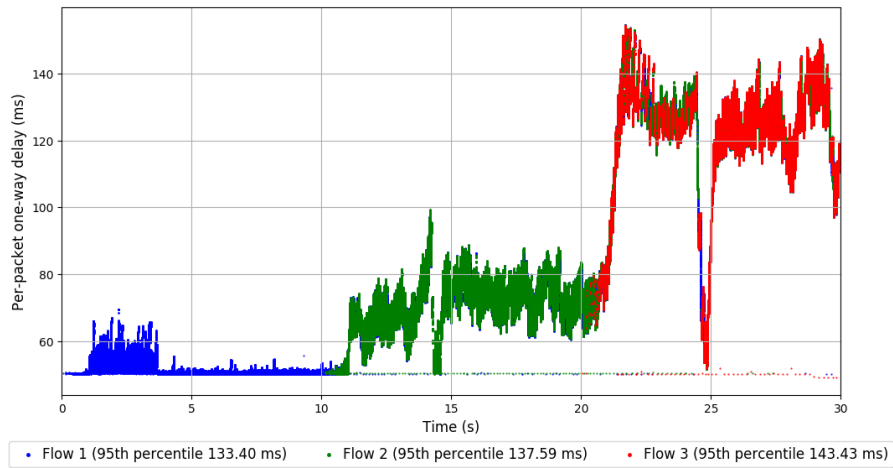
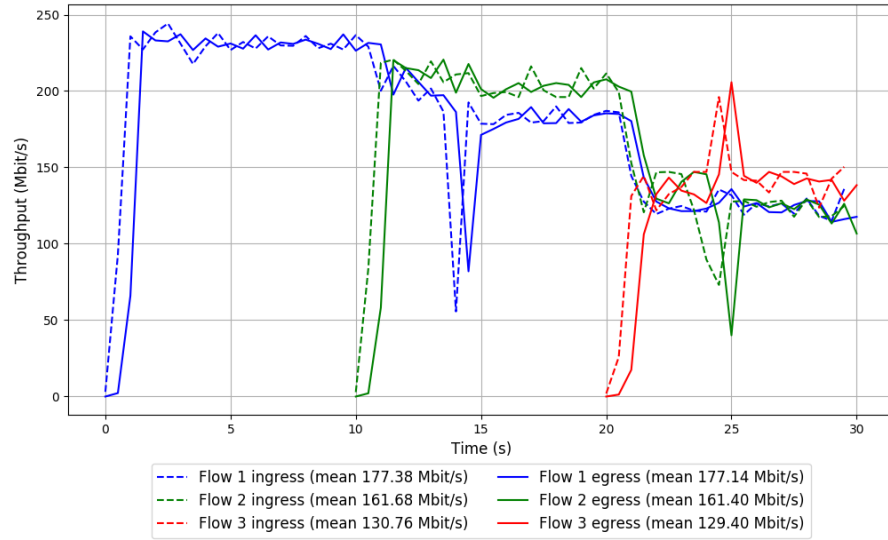


Run 3: Statistics of TCP BBR

Start at: 2018-07-20 20:58:36
End at: 2018-07-20 20:59:06
Local clock offset: -0.523 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-21 00:20:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 327.16 Mbit/s
95th percentile per-packet one-way delay: 137.214 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 177.14 Mbit/s
95th percentile per-packet one-way delay: 133.398 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 161.40 Mbit/s
95th percentile per-packet one-way delay: 137.585 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 129.40 Mbit/s
95th percentile per-packet one-way delay: 143.433 ms
Loss rate: 2.04%

Run 3: Report of TCP BBR — Data Link

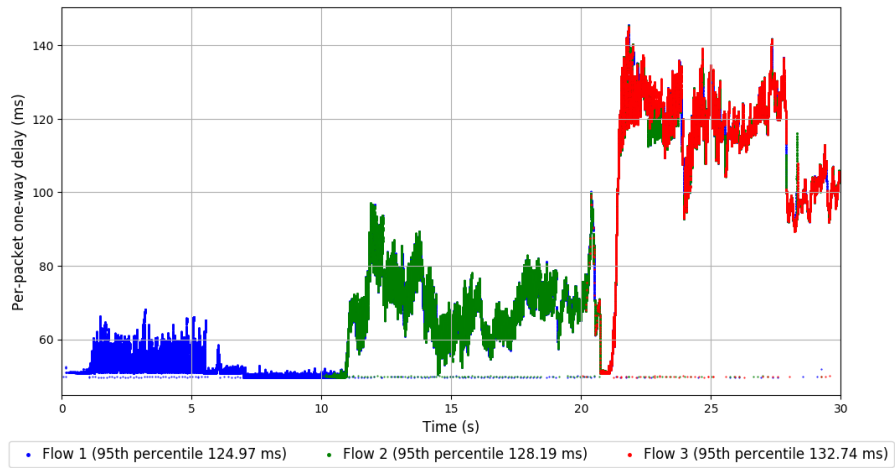
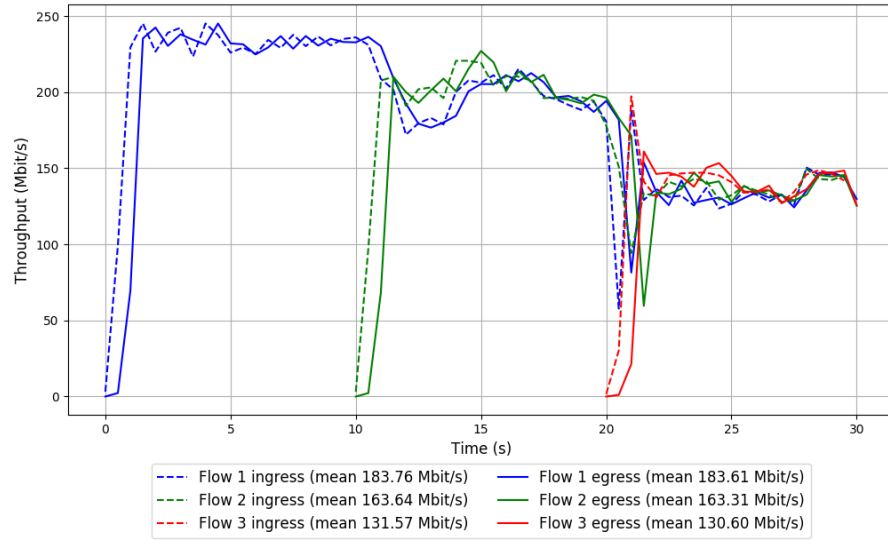


Run 4: Statistics of TCP BBR

Start at: 2018-07-20 21:22:28
End at: 2018-07-20 21:22:58
Local clock offset: -0.134 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-21 00:20:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 335.33 Mbit/s
95th percentile per-packet one-way delay: 128.717 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 183.61 Mbit/s
95th percentile per-packet one-way delay: 124.970 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 163.31 Mbit/s
95th percentile per-packet one-way delay: 128.194 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 130.60 Mbit/s
95th percentile per-packet one-way delay: 132.739 ms
Loss rate: 1.73%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-20 21:46:10

End at: 2018-07-20 21:46:40

Local clock offset: -0.079 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-21 00:20:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 310.59 Mbit/s

95th percentile per-packet one-way delay: 142.805 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 169.51 Mbit/s

95th percentile per-packet one-way delay: 135.880 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 151.62 Mbit/s

95th percentile per-packet one-way delay: 141.646 ms

Loss rate: 0.55%

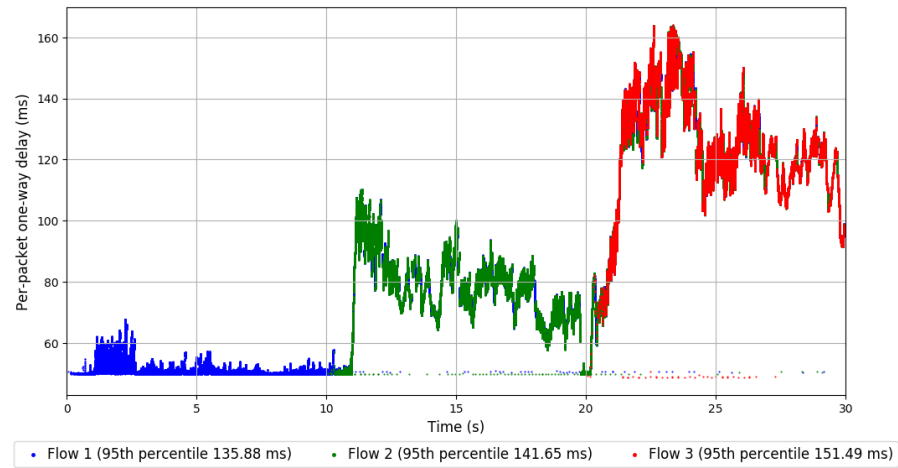
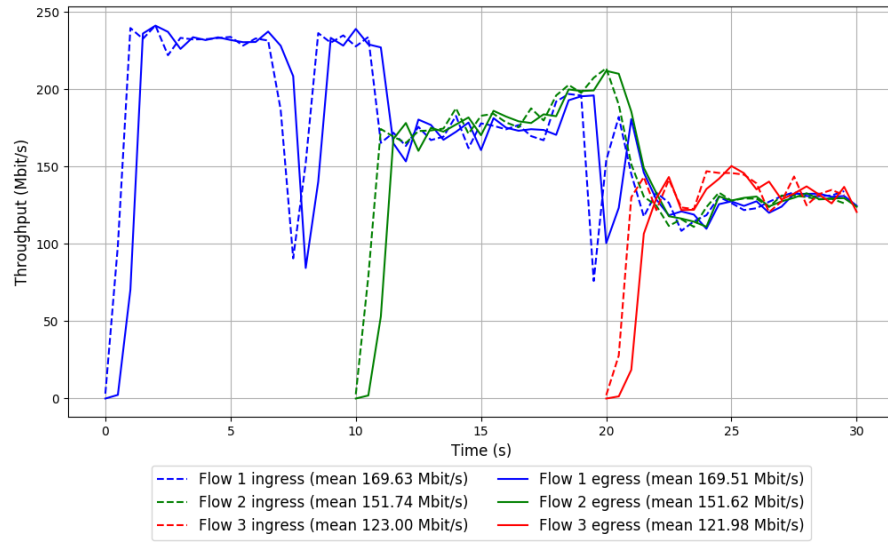
-- Flow 3:

Average throughput: 121.98 Mbit/s

95th percentile per-packet one-way delay: 151.488 ms

Loss rate: 1.81%

Run 5: Report of TCP BBR — Data Link

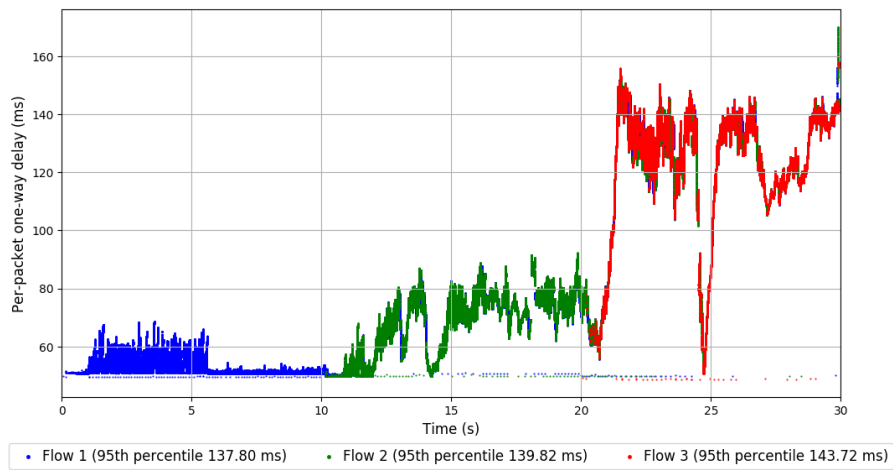
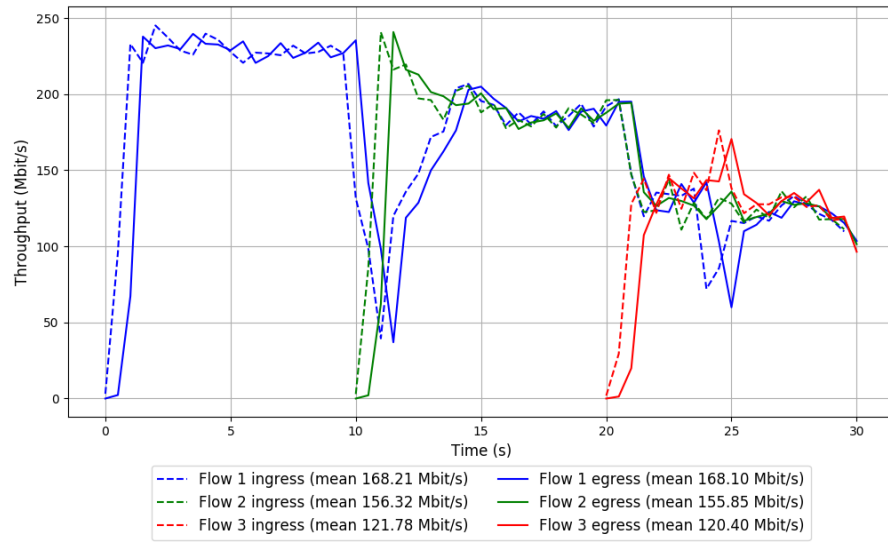


Run 6: Statistics of TCP BBR

Start at: 2018-07-20 22:10:05
End at: 2018-07-20 22:10:35
Local clock offset: -0.121 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-21 00:20:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 311.48 Mbit/s
95th percentile per-packet one-way delay: 140.179 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 168.10 Mbit/s
95th percentile per-packet one-way delay: 137.803 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 155.85 Mbit/s
95th percentile per-packet one-way delay: 139.820 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 120.40 Mbit/s
95th percentile per-packet one-way delay: 143.722 ms
Loss rate: 2.08%

Run 6: Report of TCP BBR — Data Link

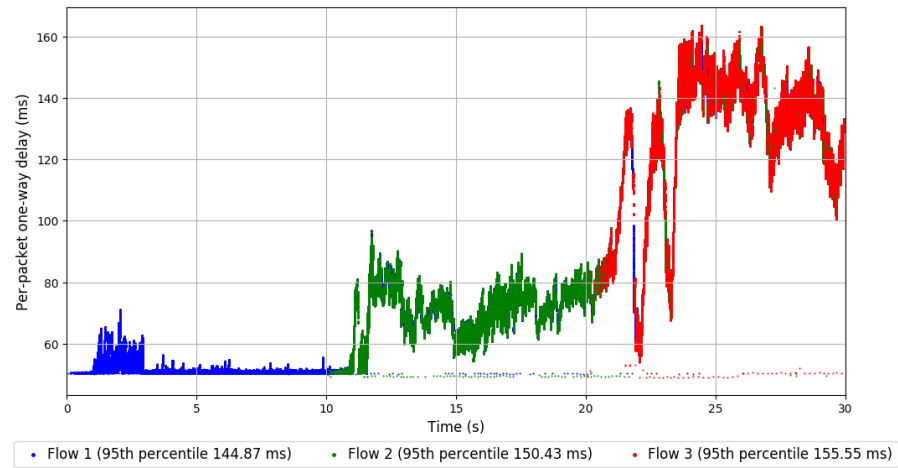
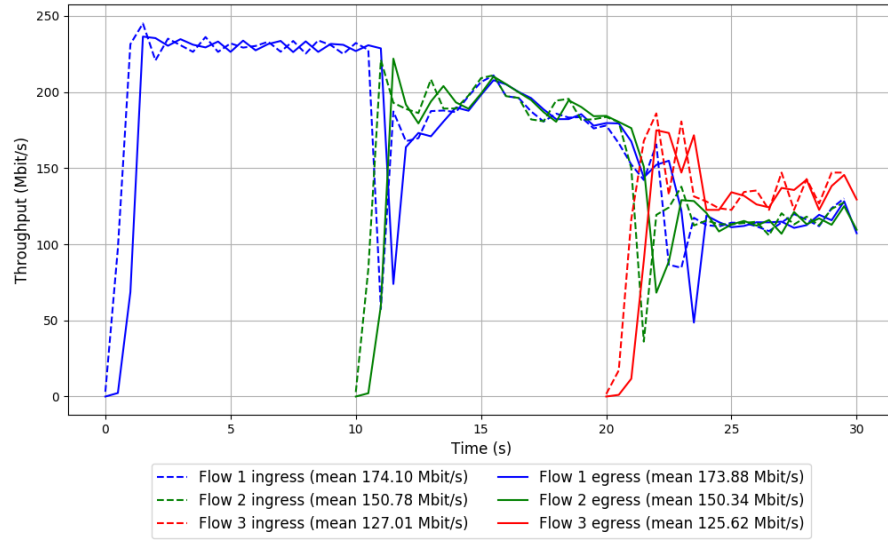


Run 7: Statistics of TCP BBR

Start at: 2018-07-20 22:33:59
End at: 2018-07-20 22:34:29
Local clock offset: -0.425 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-21 00:20:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 315.37 Mbit/s
95th percentile per-packet one-way delay: 149.681 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 173.88 Mbit/s
95th percentile per-packet one-way delay: 144.869 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 150.34 Mbit/s
95th percentile per-packet one-way delay: 150.434 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 125.62 Mbit/s
95th percentile per-packet one-way delay: 155.546 ms
Loss rate: 2.07%

Run 7: Report of TCP BBR — Data Link

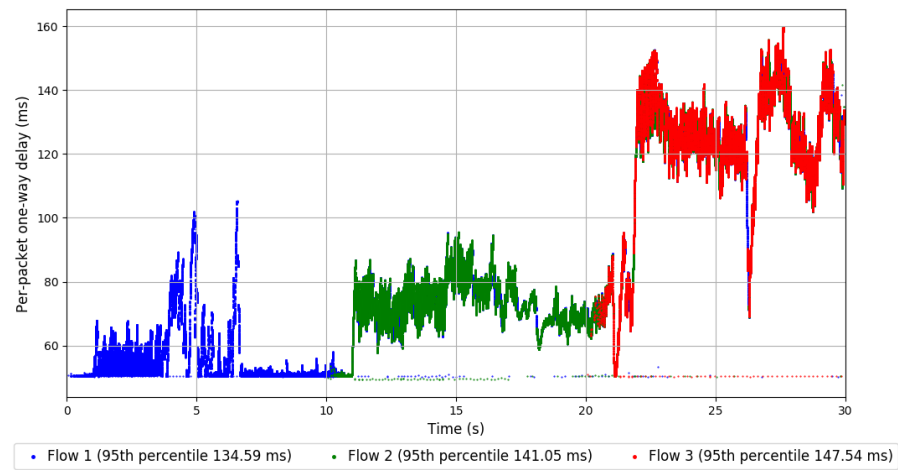
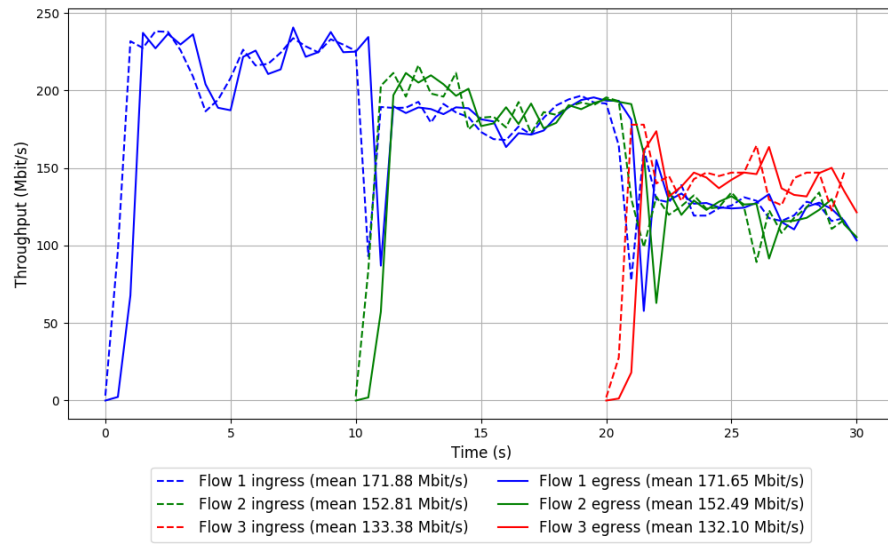


Run 8: Statistics of TCP BBR

Start at: 2018-07-20 22:57:48
End at: 2018-07-20 22:58:18
Local clock offset: -0.47 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-21 00:20:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 316.62 Mbit/s
95th percentile per-packet one-way delay: 141.124 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 171.65 Mbit/s
95th percentile per-packet one-way delay: 134.587 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 152.49 Mbit/s
95th percentile per-packet one-way delay: 141.049 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 132.10 Mbit/s
95th percentile per-packet one-way delay: 147.539 ms
Loss rate: 1.89%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-20 23:21:38

End at: 2018-07-20 23:22:08

Local clock offset: -0.171 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-07-21 00:24:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 324.88 Mbit/s

95th percentile per-packet one-way delay: 143.562 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 176.51 Mbit/s

95th percentile per-packet one-way delay: 139.849 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 160.92 Mbit/s

95th percentile per-packet one-way delay: 144.083 ms

Loss rate: 0.61%

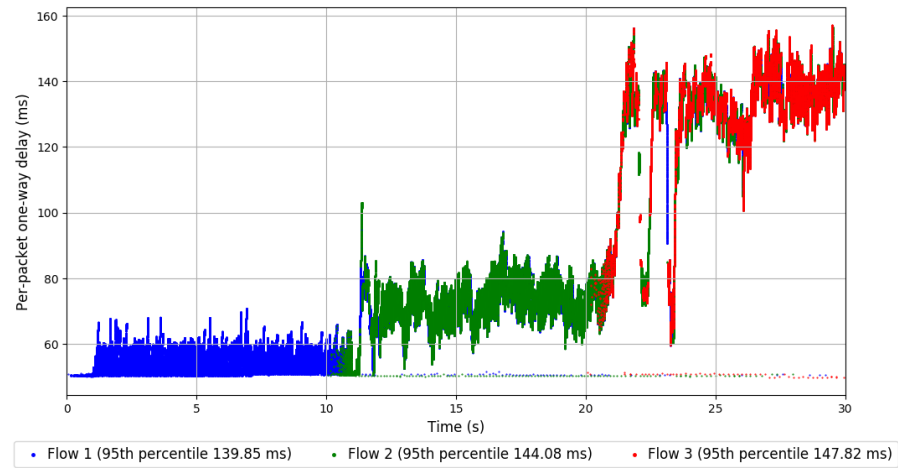
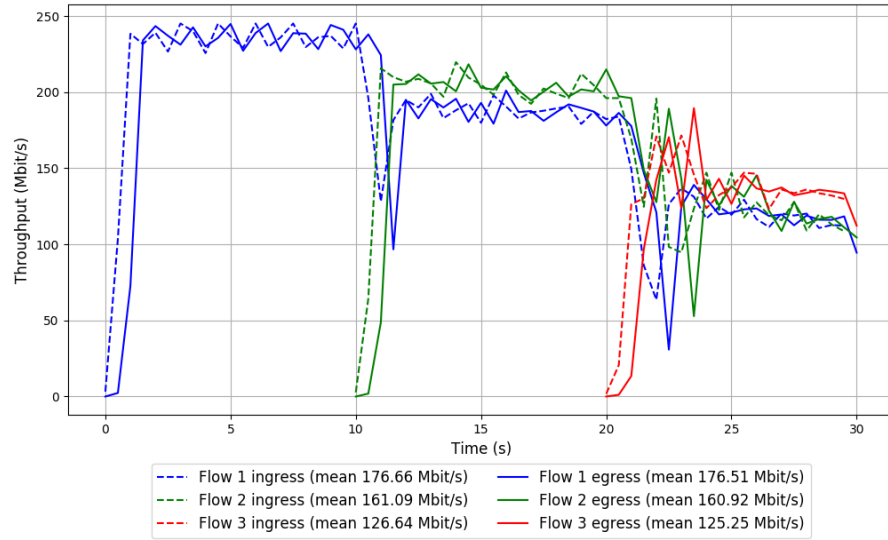
-- Flow 3:

Average throughput: 125.25 Mbit/s

95th percentile per-packet one-way delay: 147.824 ms

Loss rate: 2.10%

Run 9: Report of TCP BBR — Data Link

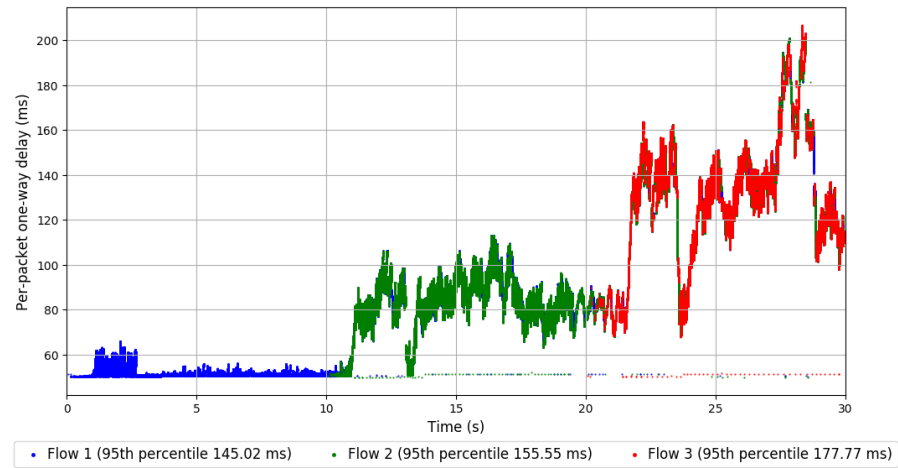
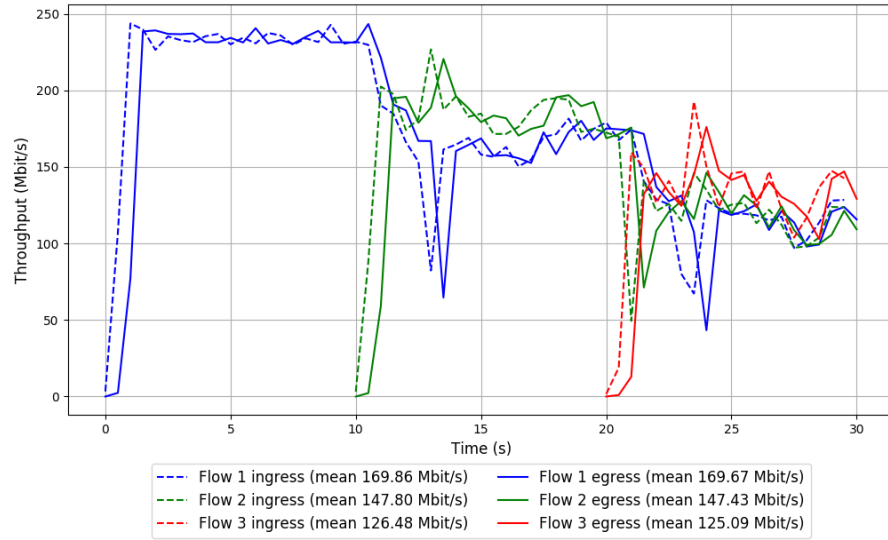


Run 10: Statistics of TCP BBR

Start at: 2018-07-20 23:45:42
End at: 2018-07-20 23:46:12
Local clock offset: 0.264 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-21 00:24:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 309.04 Mbit/s
95th percentile per-packet one-way delay: 154.784 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 169.67 Mbit/s
95th percentile per-packet one-way delay: 145.021 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 147.43 Mbit/s
95th percentile per-packet one-way delay: 155.547 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 125.09 Mbit/s
95th percentile per-packet one-way delay: 177.766 ms
Loss rate: 2.09%

Run 10: Report of TCP BBR — Data Link

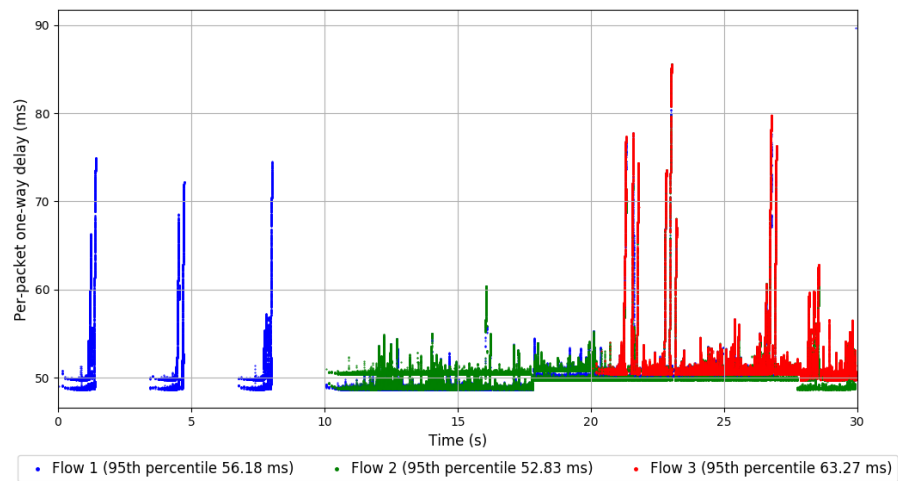
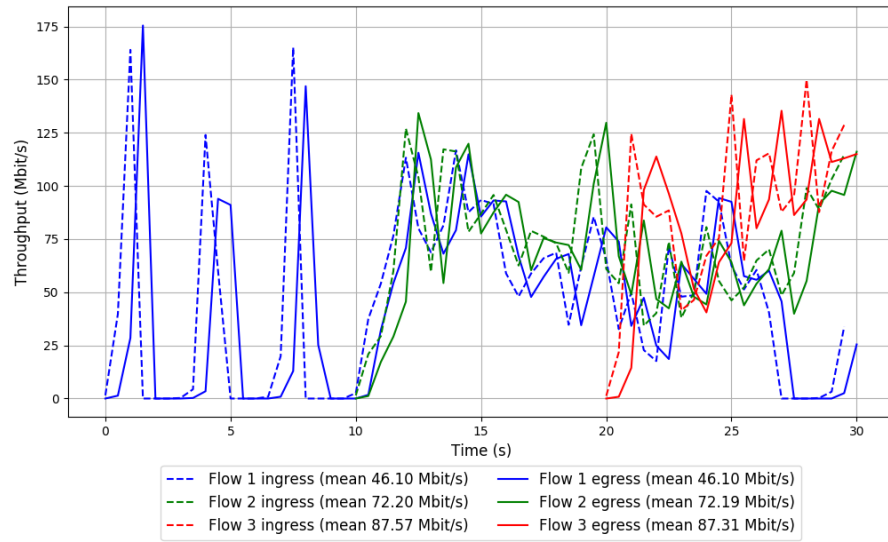


Run 1: Statistics of Copa

Start at: 2018-07-20 20:04:18
End at: 2018-07-20 20:04:48
Local clock offset: -0.138 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-21 00:24:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 122.86 Mbit/s
95th percentile per-packet one-way delay: 56.480 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 46.10 Mbit/s
95th percentile per-packet one-way delay: 56.182 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 72.19 Mbit/s
95th percentile per-packet one-way delay: 52.826 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 87.31 Mbit/s
95th percentile per-packet one-way delay: 63.271 ms
Loss rate: 1.29%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-20 20:27:57

End at: 2018-07-20 20:28:27

Local clock offset: -0.12 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-21 00:24:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 101.67 Mbit/s

95th percentile per-packet one-way delay: 58.615 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 51.65 Mbit/s

95th percentile per-packet one-way delay: 59.206 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 52.62 Mbit/s

95th percentile per-packet one-way delay: 56.482 ms

Loss rate: 0.15%

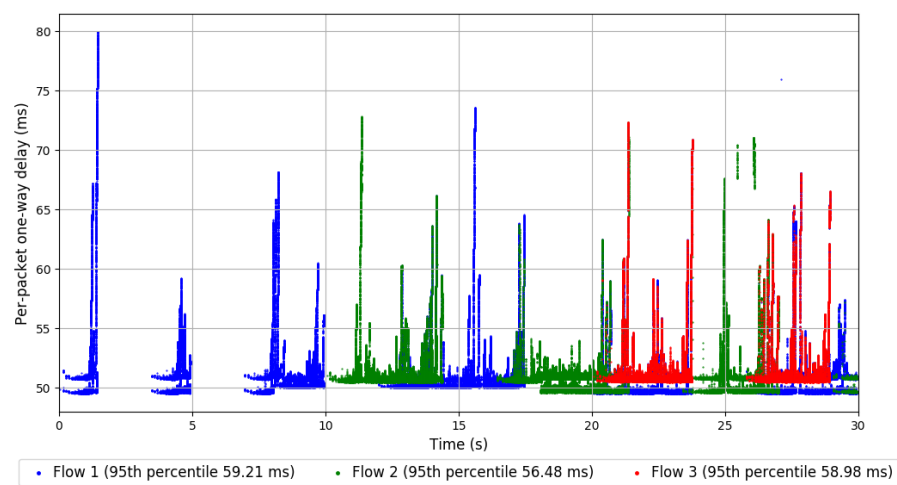
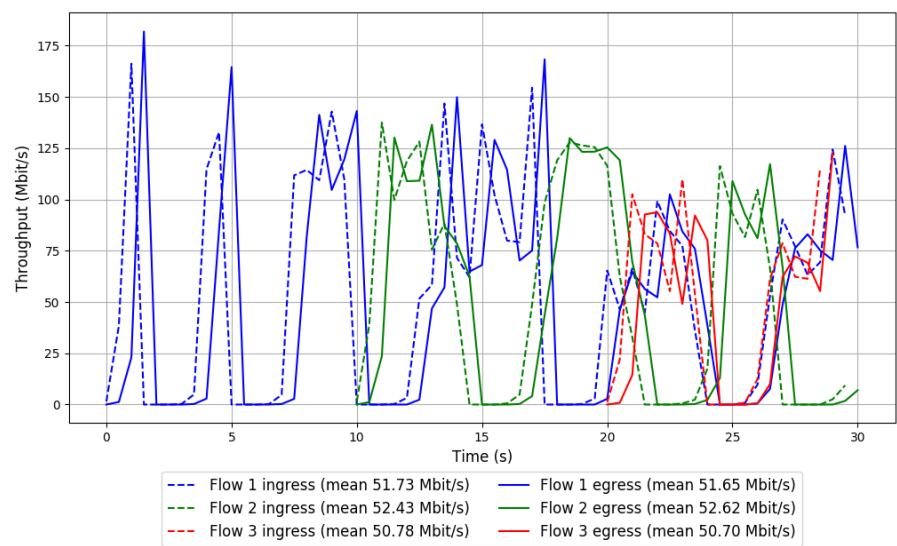
-- Flow 3:

Average throughput: 50.70 Mbit/s

95th percentile per-packet one-way delay: 58.985 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

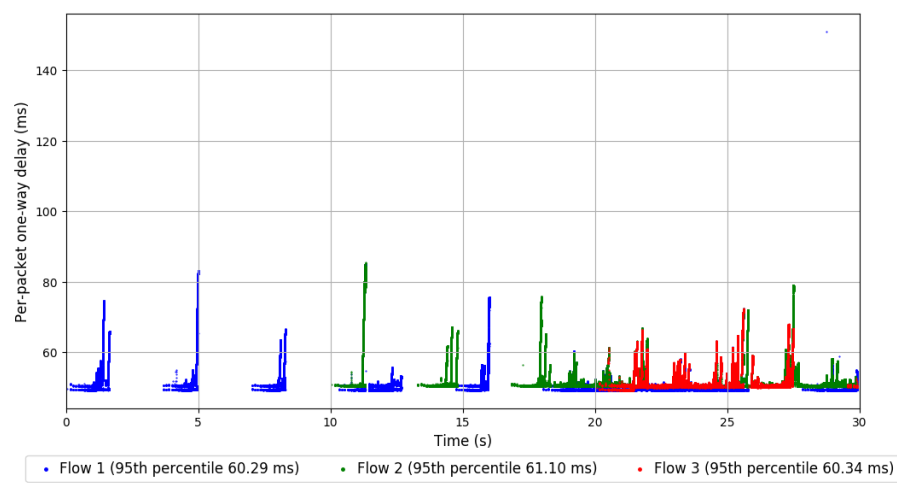
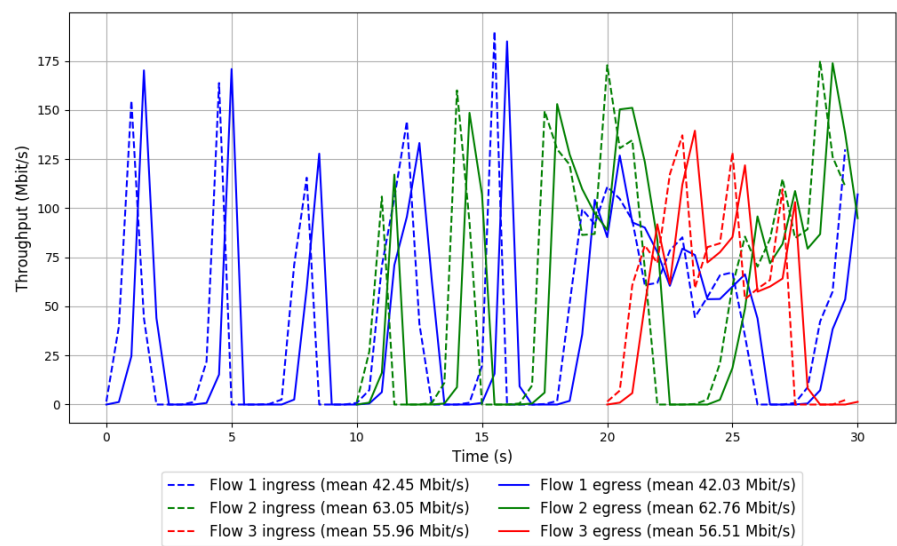


Run 3: Statistics of Copa

Start at: 2018-07-20 20:51:34
End at: 2018-07-20 20:52:04
Local clock offset: -0.48 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-21 00:24:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 102.39 Mbit/s
95th percentile per-packet one-way delay: 60.664 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 60.286 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 62.76 Mbit/s
95th percentile per-packet one-way delay: 61.100 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 56.51 Mbit/s
95th percentile per-packet one-way delay: 60.340 ms
Loss rate: 0.08%

Run 3: Report of Copa — Data Link

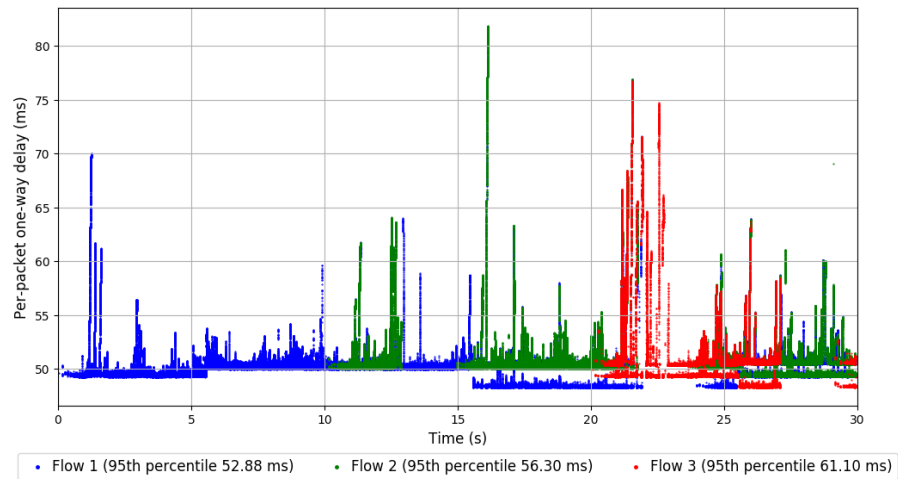
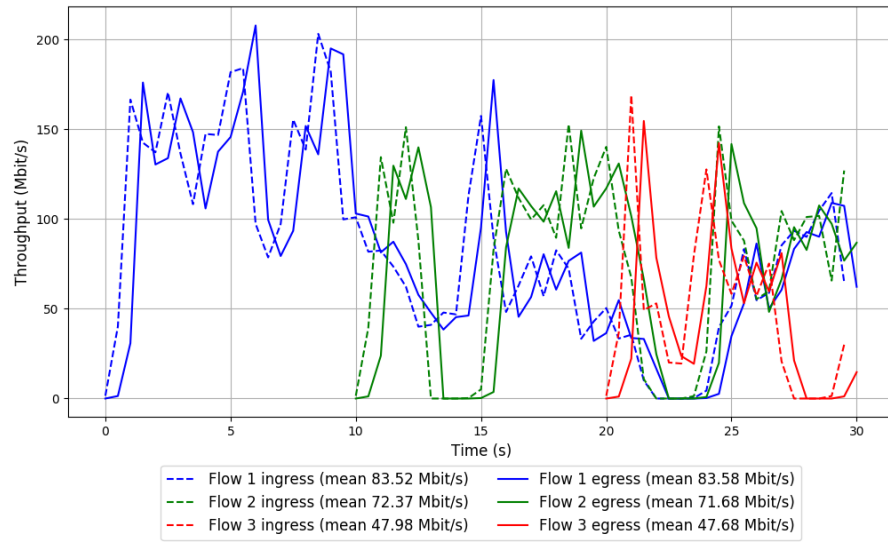


Run 4: Statistics of Copa

Start at: 2018-07-20 21:15:10
End at: 2018-07-20 21:15:40
Local clock offset: -0.488 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-21 00:24:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 146.98 Mbit/s
95th percentile per-packet one-way delay: 54.957 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 83.58 Mbit/s
95th percentile per-packet one-way delay: 52.875 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 71.68 Mbit/s
95th percentile per-packet one-way delay: 56.303 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 47.68 Mbit/s
95th percentile per-packet one-way delay: 61.100 ms
Loss rate: 1.63%

Run 4: Report of Copa — Data Link

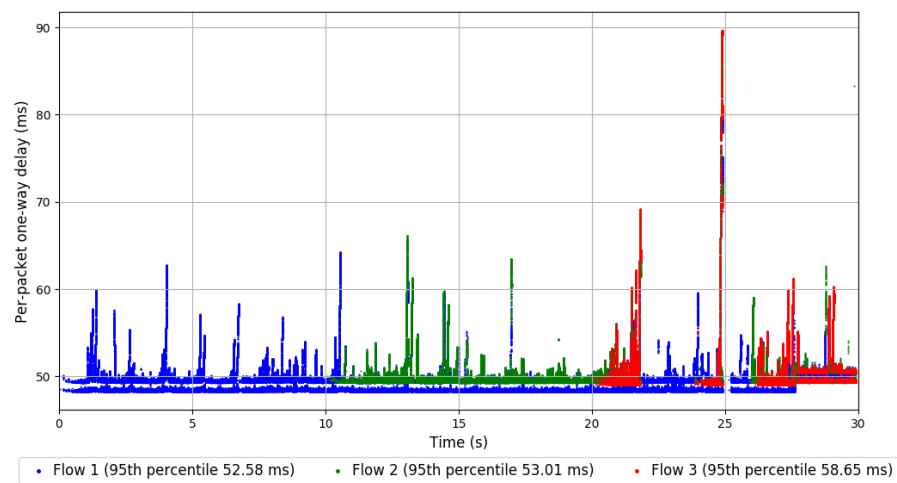
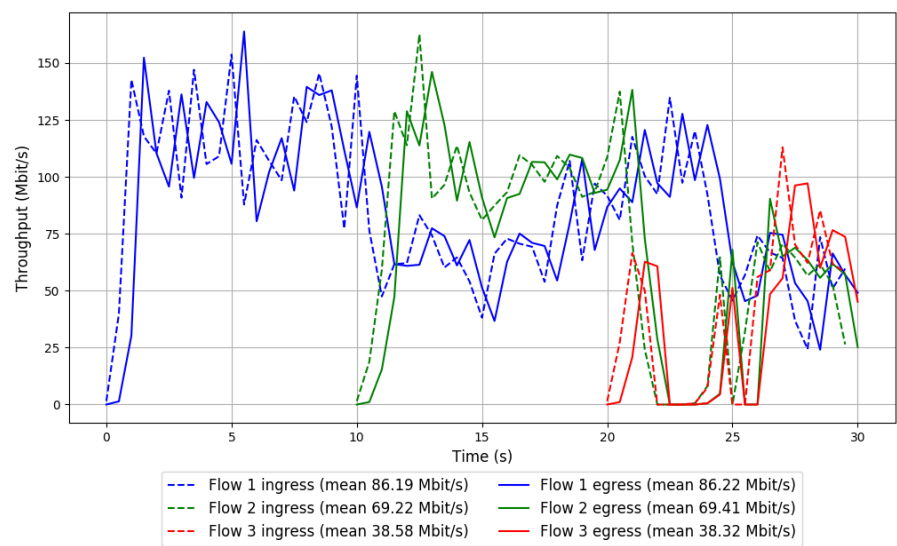


Run 5: Statistics of Copa

Start at: 2018-07-20 21:38:58
End at: 2018-07-20 21:39:28
Local clock offset: -0.462 ms
Remote clock offset: 0.05 ms

```
# Below is generated by plot.py at 2018-07-21 00:24:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 144.89 Mbit/s
95th percentile per-packet one-way delay: 53.173 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 86.22 Mbit/s
95th percentile per-packet one-way delay: 52.580 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 69.41 Mbit/s
95th percentile per-packet one-way delay: 53.014 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 38.32 Mbit/s
95th percentile per-packet one-way delay: 58.648 ms
Loss rate: 1.69%
```

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-20 22:02:49

End at: 2018-07-20 22:03:19

Local clock offset: -0.472 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-21 00:24:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 141.29 Mbit/s

95th percentile per-packet one-way delay: 57.800 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 66.07 Mbit/s

95th percentile per-packet one-way delay: 58.252 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 97.63 Mbit/s

95th percentile per-packet one-way delay: 57.068 ms

Loss rate: 0.52%

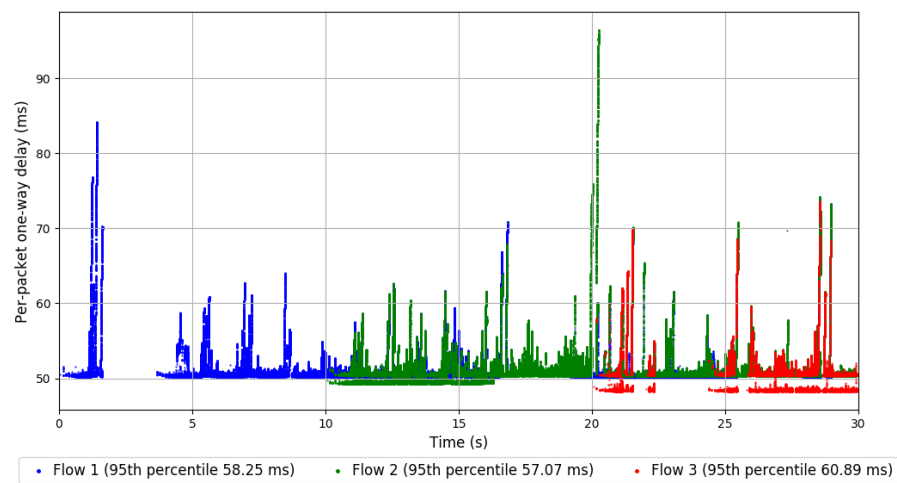
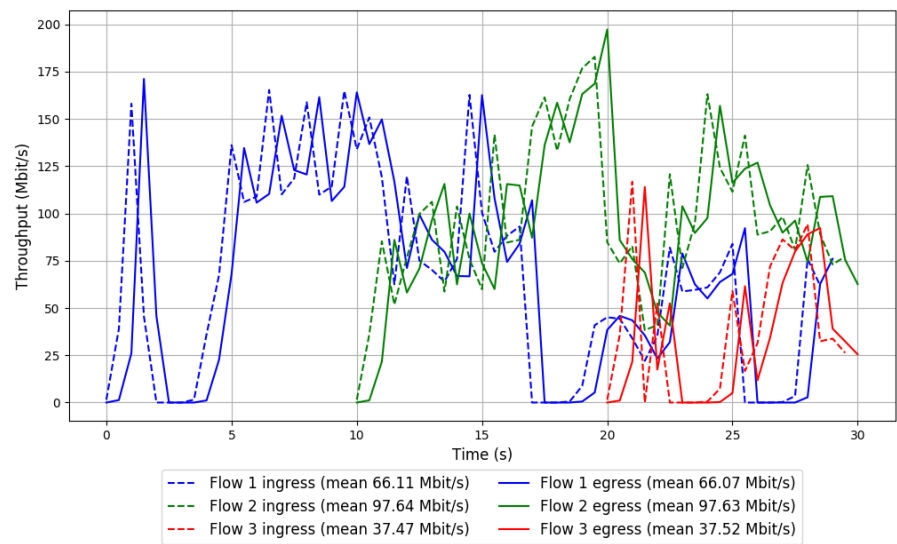
-- Flow 3:

Average throughput: 37.52 Mbit/s

95th percentile per-packet one-way delay: 60.893 ms

Loss rate: 0.87%

Run 6: Report of Copa — Data Link

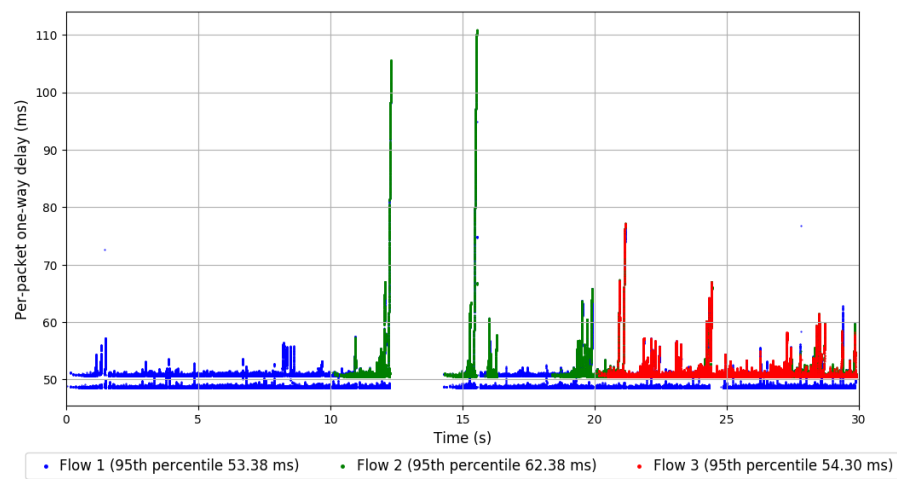
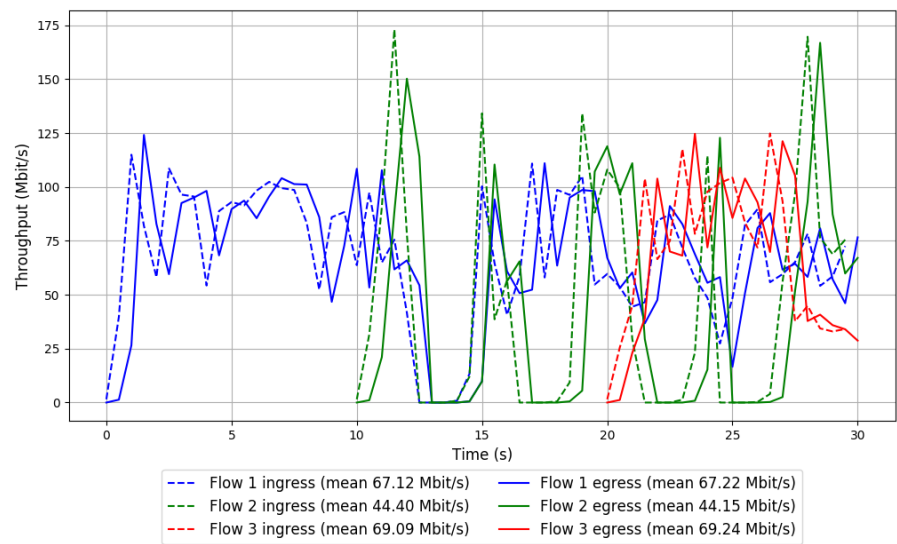


Run 7: Statistics of Copa

Start at: 2018-07-20 22:26:43
End at: 2018-07-20 22:27:13
Local clock offset: -0.156 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-21 00:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 119.38 Mbit/s
95th percentile per-packet one-way delay: 56.027 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 67.22 Mbit/s
95th percentile per-packet one-way delay: 53.379 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 44.15 Mbit/s
95th percentile per-packet one-way delay: 62.383 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 69.24 Mbit/s
95th percentile per-packet one-way delay: 54.296 ms
Loss rate: 0.57%

Run 7: Report of Copa — Data Link

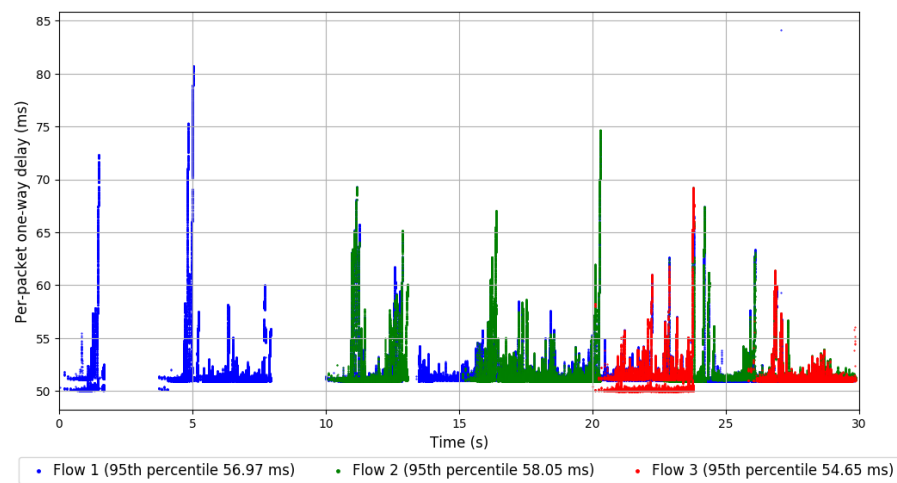
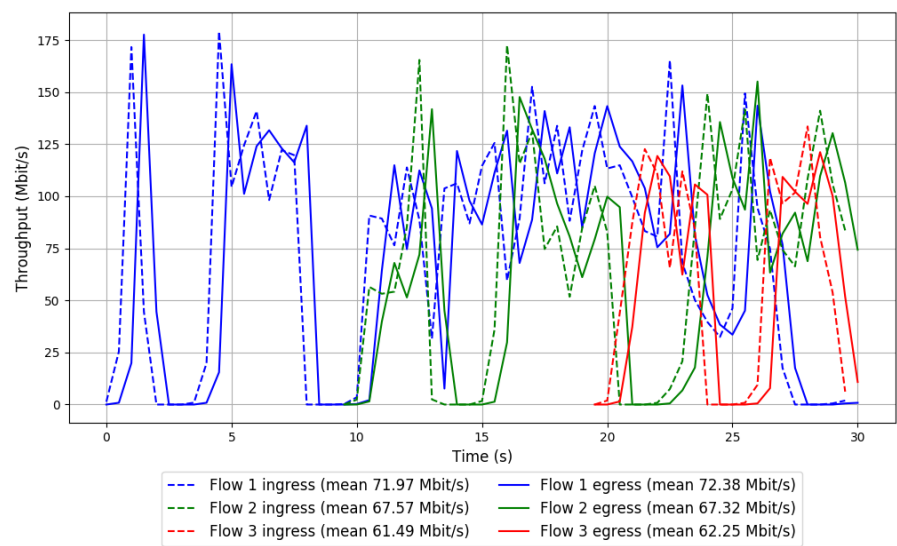


Run 8: Statistics of Copa

Start at: 2018-07-20 22:50:31
End at: 2018-07-20 22:51:01
Local clock offset: 0.226 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-21 00:26:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 137.74 Mbit/s
95th percentile per-packet one-way delay: 57.121 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 72.38 Mbit/s
95th percentile per-packet one-way delay: 56.969 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 67.32 Mbit/s
95th percentile per-packet one-way delay: 58.054 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 62.25 Mbit/s
95th percentile per-packet one-way delay: 54.646 ms
Loss rate: 0.07%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-20 23:14:19

End at: 2018-07-20 23:14:49

Local clock offset: -0.17 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-07-21 00:27:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 122.19 Mbit/s

95th percentile per-packet one-way delay: 56.623 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 61.01 Mbit/s

95th percentile per-packet one-way delay: 57.229 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 59.12 Mbit/s

95th percentile per-packet one-way delay: 56.277 ms

Loss rate: 0.57%

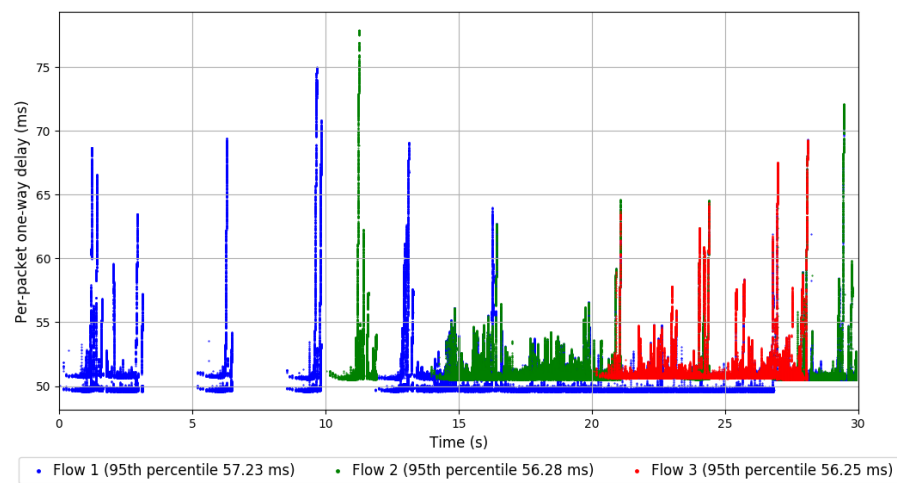
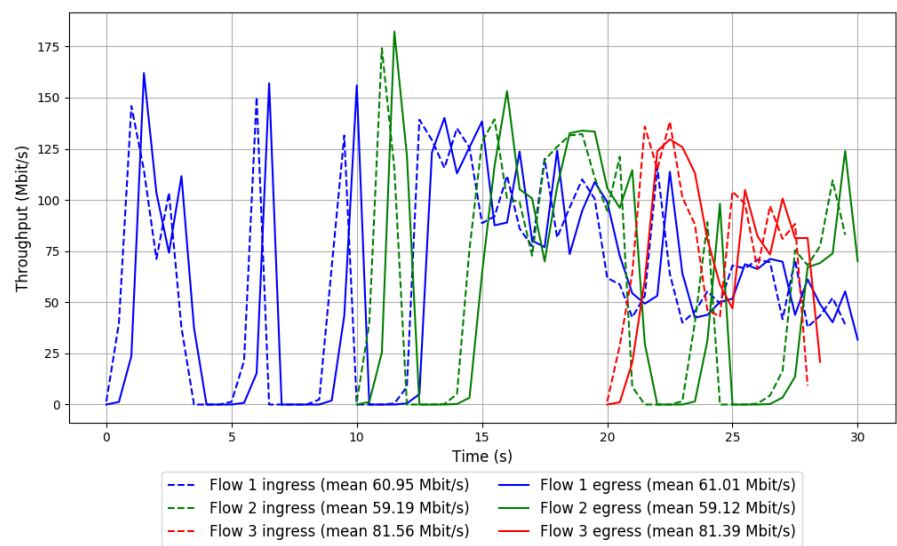
-- Flow 3:

Average throughput: 81.39 Mbit/s

95th percentile per-packet one-way delay: 56.252 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-20 23:38:15

End at: 2018-07-20 23:38:45

Local clock offset: -0.102 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-07-21 00:28:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 126.60 Mbit/s

95th percentile per-packet one-way delay: 61.473 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 57.62 Mbit/s

95th percentile per-packet one-way delay: 61.142 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 71.98 Mbit/s

95th percentile per-packet one-way delay: 62.868 ms

Loss rate: 0.39%

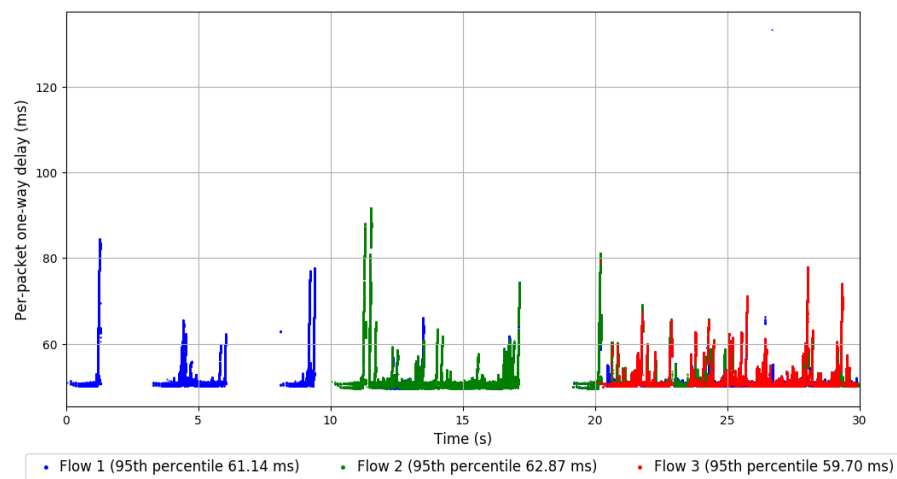
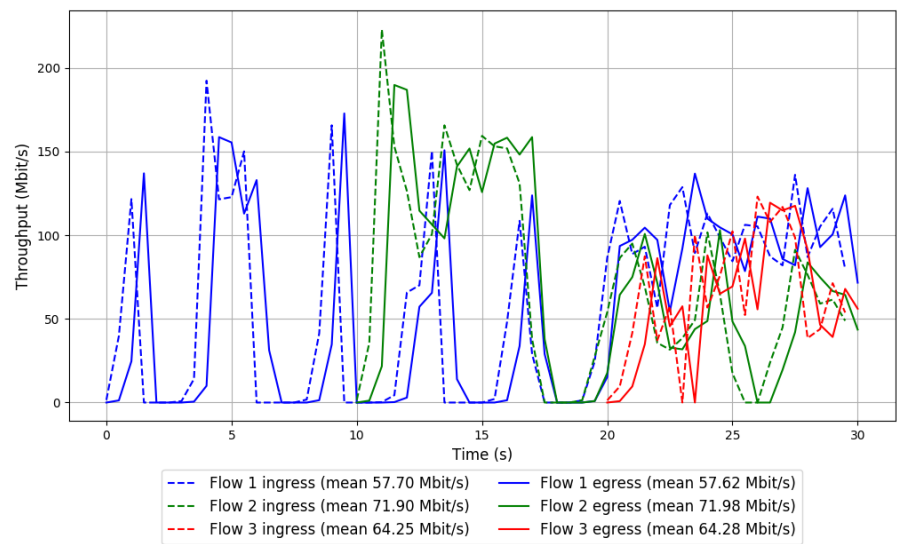
-- Flow 3:

Average throughput: 64.28 Mbit/s

95th percentile per-packet one-way delay: 59.704 ms

Loss rate: 0.97%

Run 10: Report of Copa — Data Link

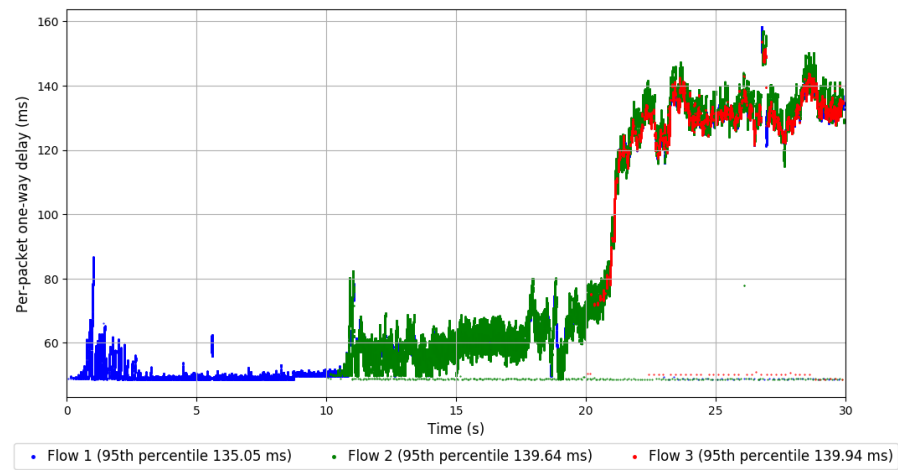
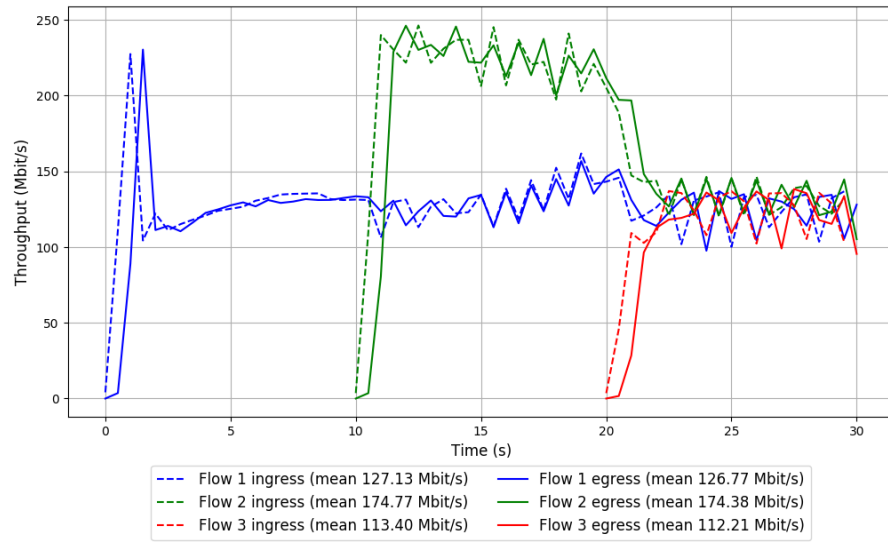


Run 1: Statistics of TCP Cubic

Start at: 2018-07-20 20:12:57
End at: 2018-07-20 20:13:27
Local clock offset: -0.1 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-21 00:28:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 279.58 Mbit/s
95th percentile per-packet one-way delay: 138.447 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 126.77 Mbit/s
95th percentile per-packet one-way delay: 135.054 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 174.38 Mbit/s
95th percentile per-packet one-way delay: 139.639 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 112.21 Mbit/s
95th percentile per-packet one-way delay: 139.939 ms
Loss rate: 2.06%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-20 20:36:32

End at: 2018-07-20 20:37:02

Local clock offset: -0.124 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-21 00:29:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 292.80 Mbit/s

95th percentile per-packet one-way delay: 72.917 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 206.75 Mbit/s

95th percentile per-packet one-way delay: 73.390 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 126.96 Mbit/s

95th percentile per-packet one-way delay: 71.616 ms

Loss rate: 0.77%

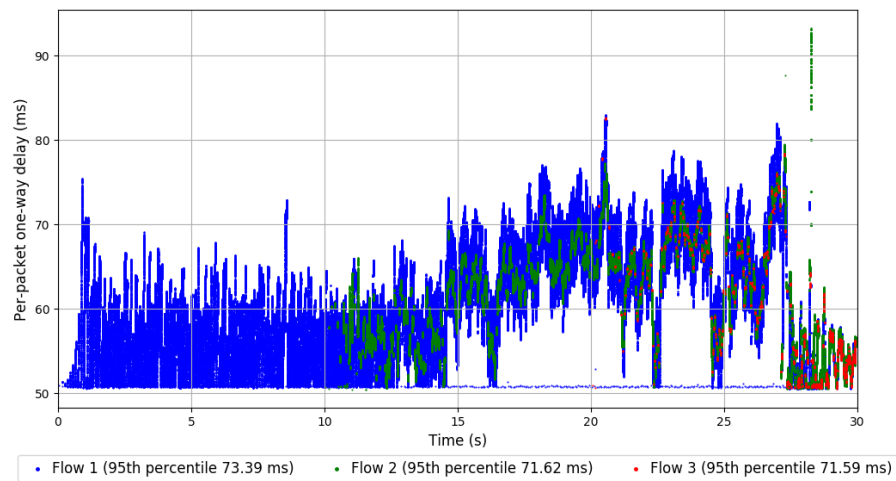
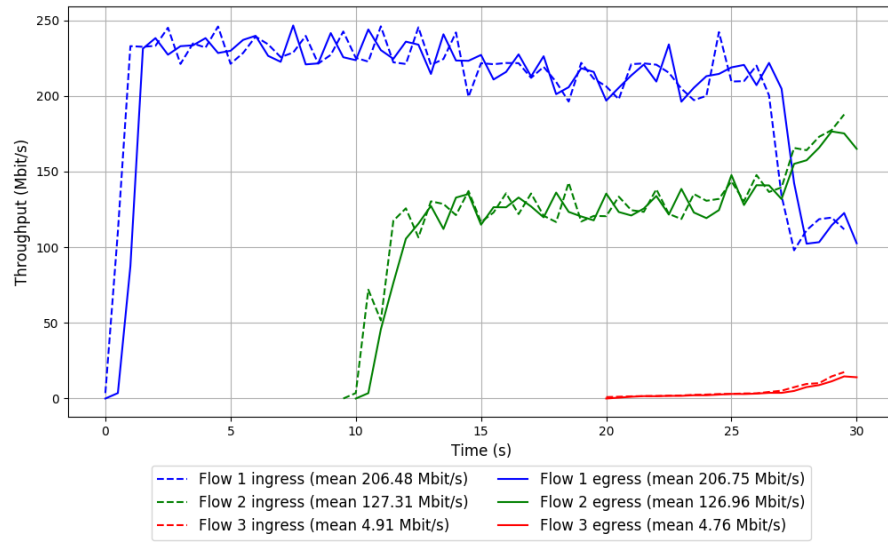
-- Flow 3:

Average throughput: 4.76 Mbit/s

95th percentile per-packet one-way delay: 71.592 ms

Loss rate: 4.10%

Run 2: Report of TCP Cubic — Data Link

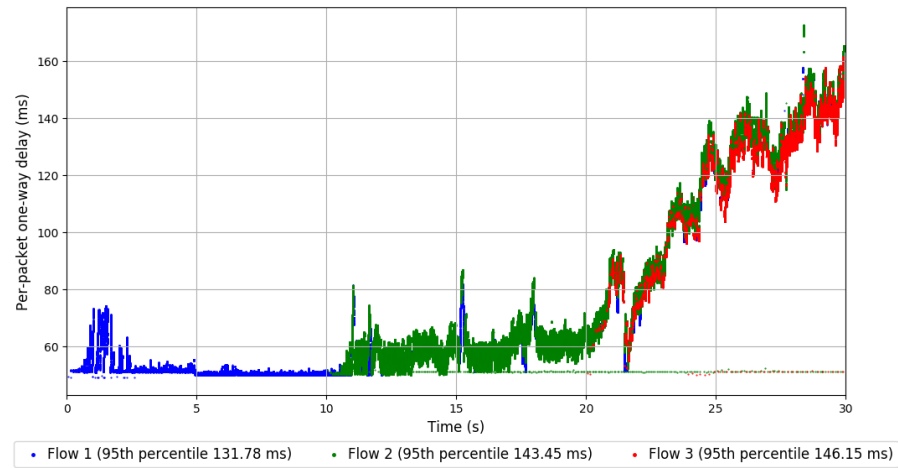
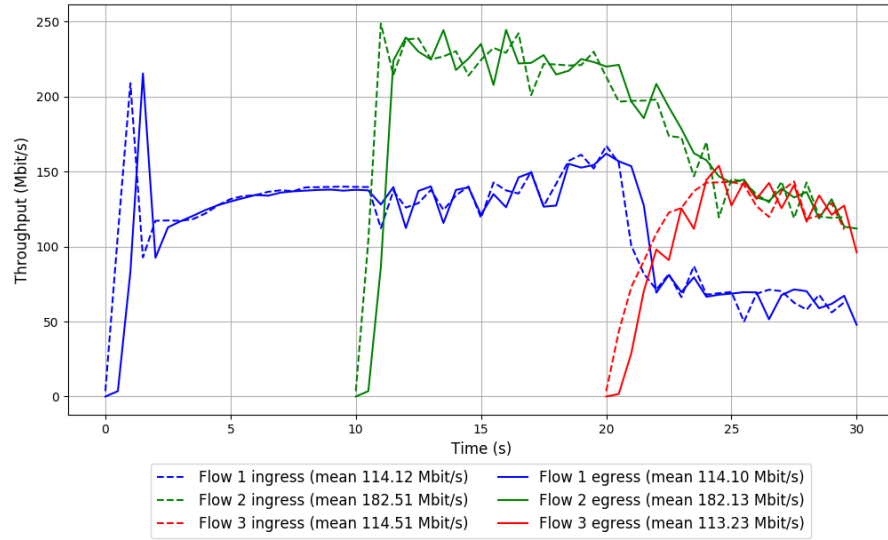


Run 3: Statistics of TCP Cubic

Start at: 2018-07-20 21:00:00
End at: 2018-07-20 21:00:30
Local clock offset: 0.215 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-21 00:29:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 272.41 Mbit/s
95th percentile per-packet one-way delay: 141.619 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 114.10 Mbit/s
95th percentile per-packet one-way delay: 131.783 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 182.13 Mbit/s
95th percentile per-packet one-way delay: 143.450 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 113.23 Mbit/s
95th percentile per-packet one-way delay: 146.148 ms
Loss rate: 2.12%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-20 21:23:53

End at: 2018-07-20 21:24:23

Local clock offset: -0.087 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-21 00:29:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 310.15 Mbit/s

95th percentile per-packet one-way delay: 93.624 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 170.94 Mbit/s

95th percentile per-packet one-way delay: 89.206 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 128.11 Mbit/s

95th percentile per-packet one-way delay: 93.930 ms

Loss rate: 0.58%

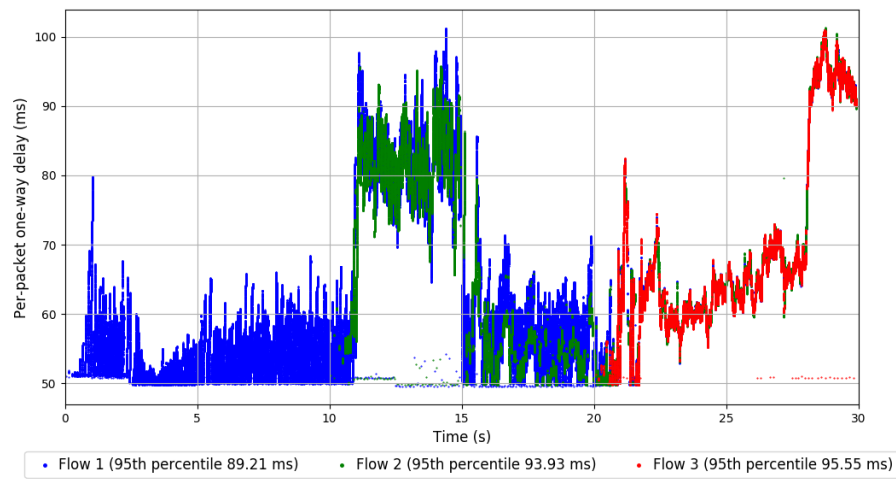
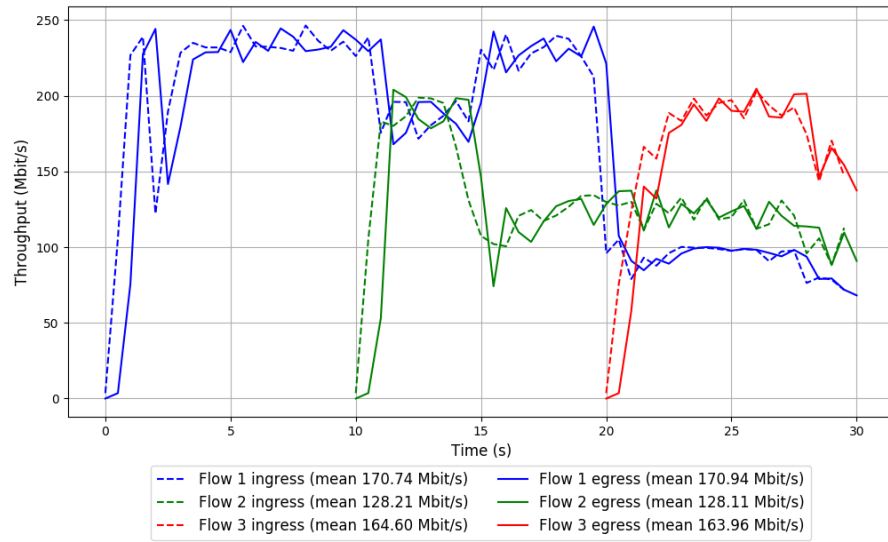
-- Flow 3:

Average throughput: 163.96 Mbit/s

95th percentile per-packet one-way delay: 95.545 ms

Loss rate: 1.41%

Run 4: Report of TCP Cubic — Data Link

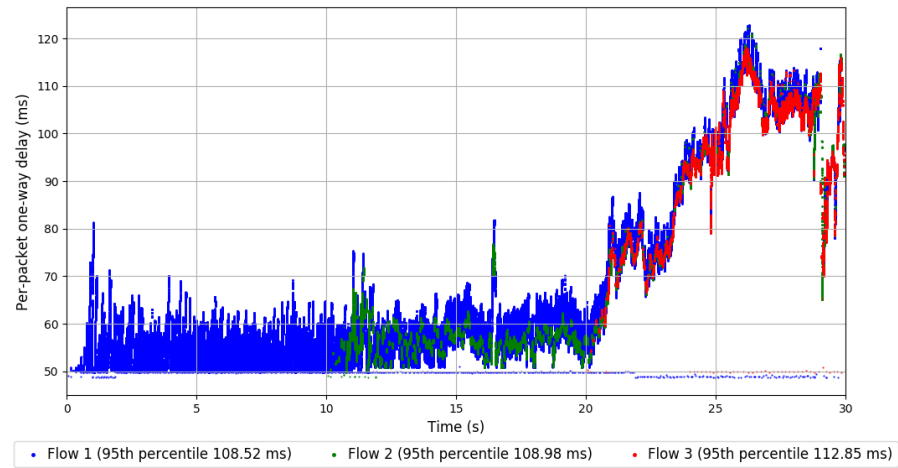
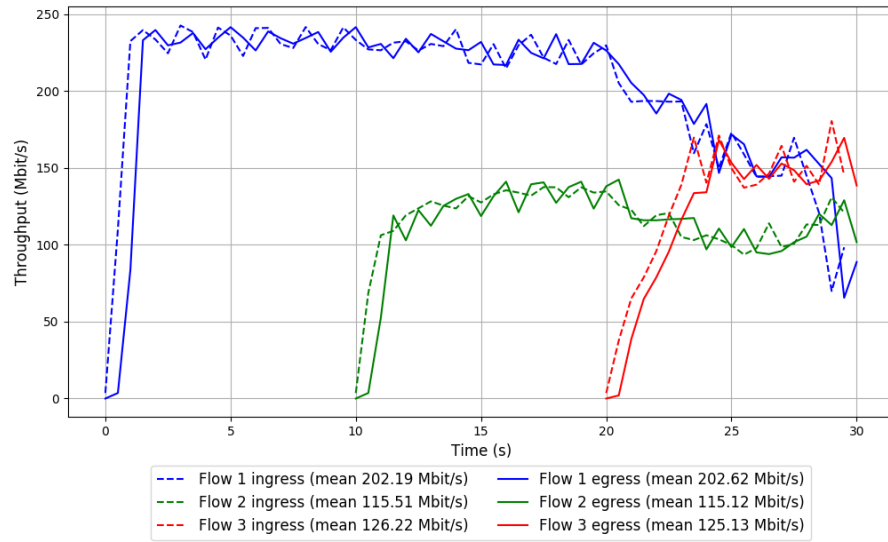


Run 5: Statistics of TCP Cubic

Start at: 2018-07-20 21:47:34
End at: 2018-07-20 21:48:04
Local clock offset: -0.062 ms
Remote clock offset: 0.084 ms

Below is generated by plot.py at 2018-07-21 00:31:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 320.38 Mbit/s
95th percentile per-packet one-way delay: 109.839 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 202.62 Mbit/s
95th percentile per-packet one-way delay: 108.515 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 115.12 Mbit/s
95th percentile per-packet one-way delay: 108.980 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 125.13 Mbit/s
95th percentile per-packet one-way delay: 112.854 ms
Loss rate: 1.87%

Run 5: Report of TCP Cubic — Data Link

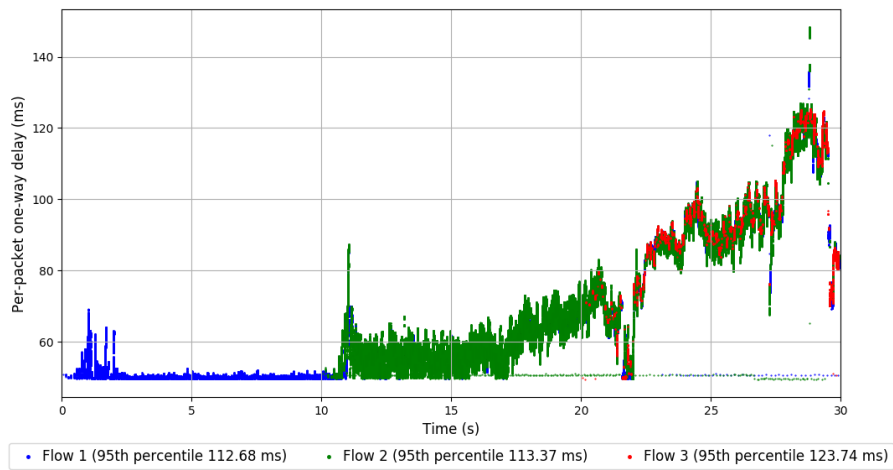
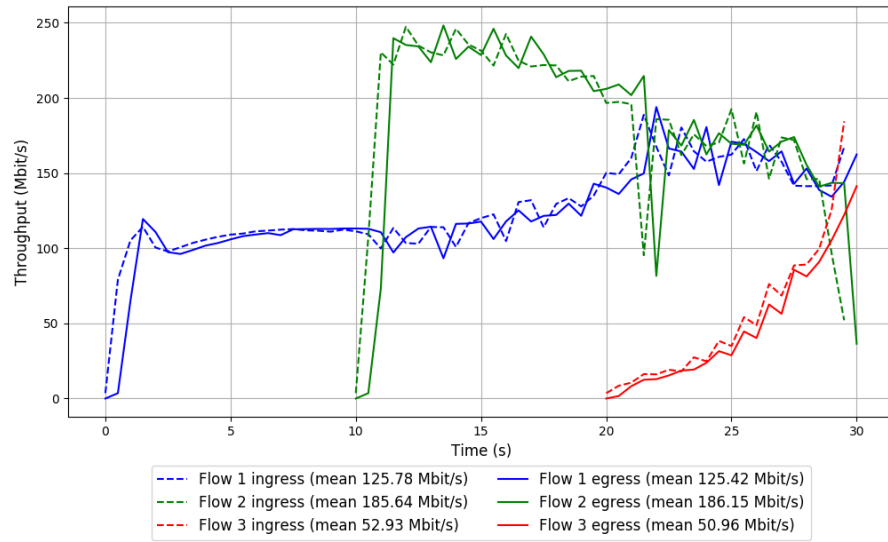


Run 6: Statistics of TCP Cubic

Start at: 2018-07-20 22:11:29
End at: 2018-07-20 22:11:59
Local clock offset: -0.128 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-21 00:31:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 266.02 Mbit/s
95th percentile per-packet one-way delay: 115.962 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 125.42 Mbit/s
95th percentile per-packet one-way delay: 112.683 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 186.15 Mbit/s
95th percentile per-packet one-way delay: 113.367 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 50.96 Mbit/s
95th percentile per-packet one-way delay: 123.738 ms
Loss rate: 4.70%

Run 6: Report of TCP Cubic — Data Link

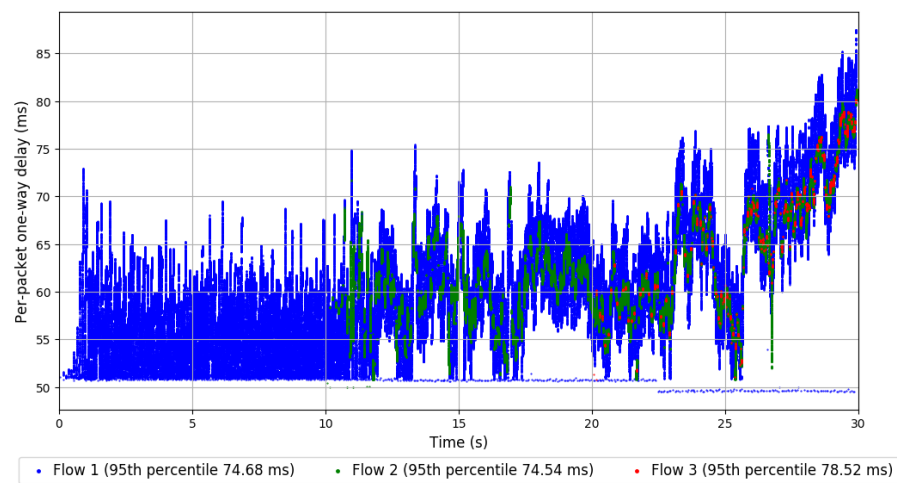
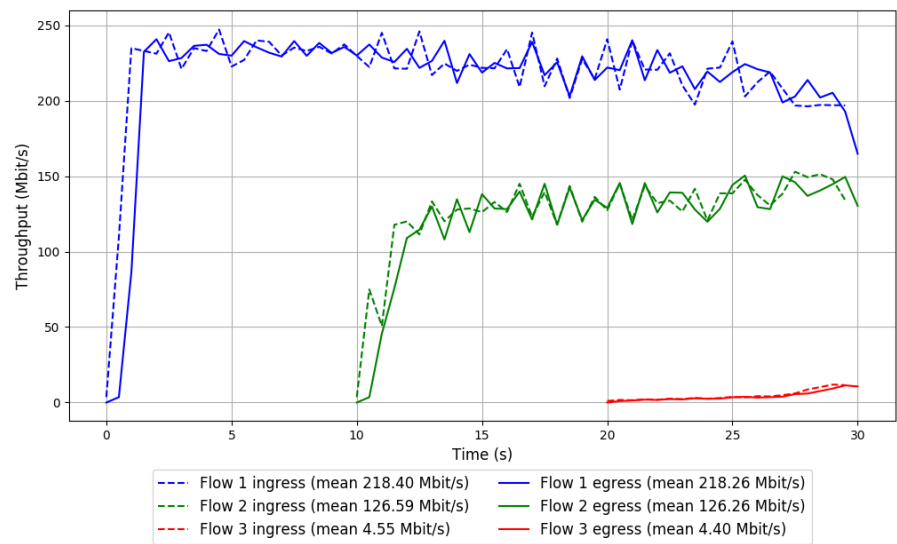


Run 7: Statistics of TCP Cubic

Start at: 2018-07-20 22:35:23
End at: 2018-07-20 22:35:53
Local clock offset: -0.115 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-21 00:32:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 303.52 Mbit/s
95th percentile per-packet one-way delay: 74.734 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 218.26 Mbit/s
95th percentile per-packet one-way delay: 74.678 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 126.26 Mbit/s
95th percentile per-packet one-way delay: 74.540 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 78.520 ms
Loss rate: 4.22%

Run 7: Report of TCP Cubic — Data Link

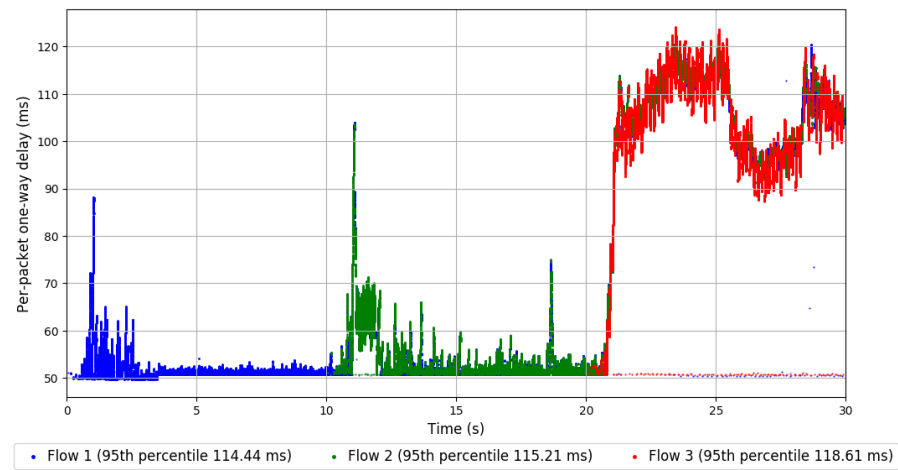
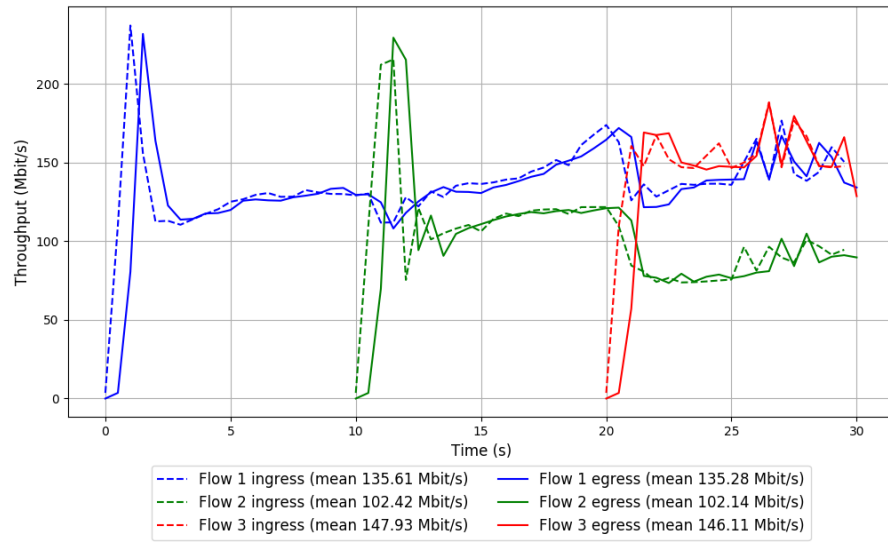


Run 8: Statistics of TCP Cubic

Start at: 2018-07-20 22:59:12
End at: 2018-07-20 22:59:42
Local clock offset: -0.13 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-21 00:32:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 251.29 Mbit/s
95th percentile per-packet one-way delay: 115.523 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 135.28 Mbit/s
95th percentile per-packet one-way delay: 114.440 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 102.14 Mbit/s
95th percentile per-packet one-way delay: 115.209 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 146.11 Mbit/s
95th percentile per-packet one-way delay: 118.614 ms
Loss rate: 1.69%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-20 23:23:03

End at: 2018-07-20 23:23:33

Local clock offset: -0.166 ms

Remote clock offset: 0.12 ms

Below is generated by plot.py at 2018-07-21 00:33:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 315.00 Mbit/s

95th percentile per-packet one-way delay: 91.482 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 204.99 Mbit/s

95th percentile per-packet one-way delay: 83.980 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 127.49 Mbit/s

95th percentile per-packet one-way delay: 94.941 ms

Loss rate: 0.79%

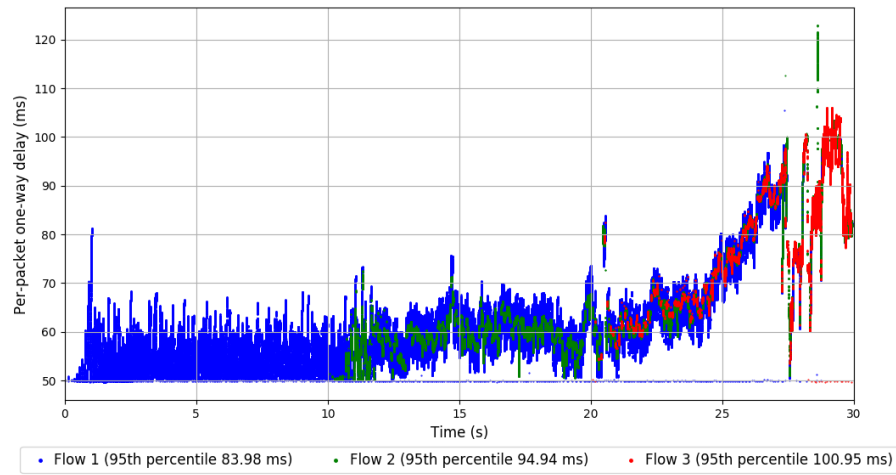
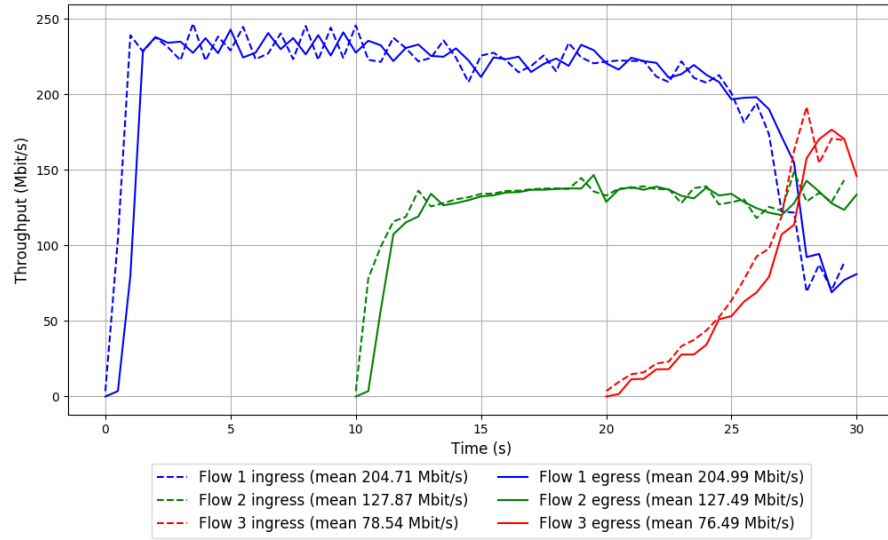
-- Flow 3:

Average throughput: 76.49 Mbit/s

95th percentile per-packet one-way delay: 100.948 ms

Loss rate: 3.10%

Run 9: Report of TCP Cubic — Data Link

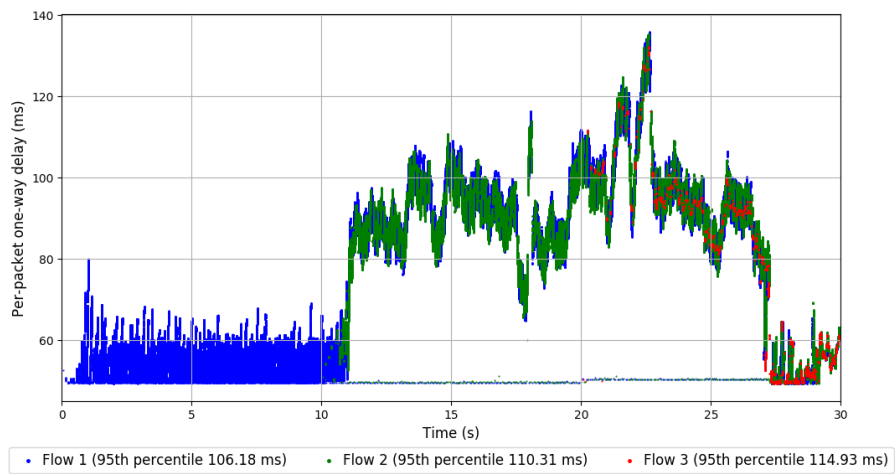
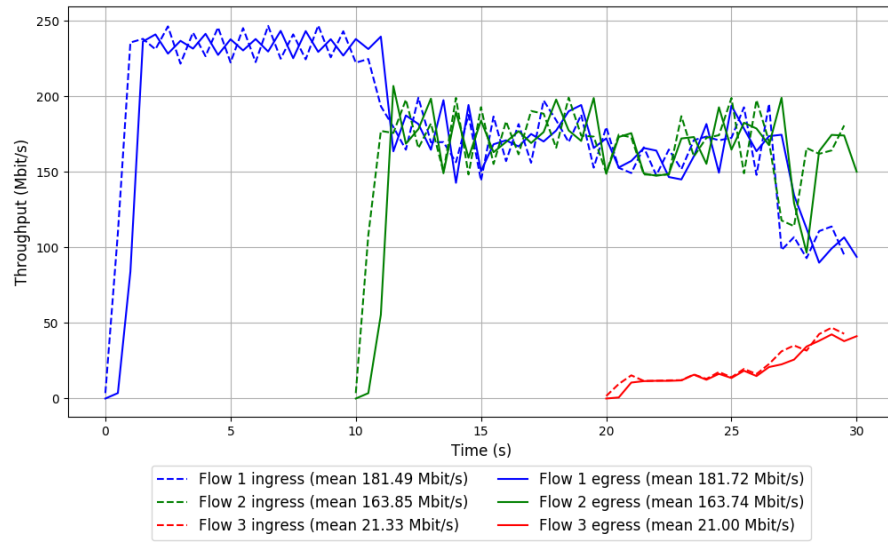


Run 10: Statistics of TCP Cubic

Start at: 2018-07-20 23:47:05
End at: 2018-07-20 23:47:35
Local clock offset: -0.443 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-21 00:33:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 297.45 Mbit/s
95th percentile per-packet one-way delay: 107.758 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 181.72 Mbit/s
95th percentile per-packet one-way delay: 106.184 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 163.74 Mbit/s
95th percentile per-packet one-way delay: 110.309 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 21.00 Mbit/s
95th percentile per-packet one-way delay: 114.926 ms
Loss rate: 2.58%

Run 10: Report of TCP Cubic — Data Link

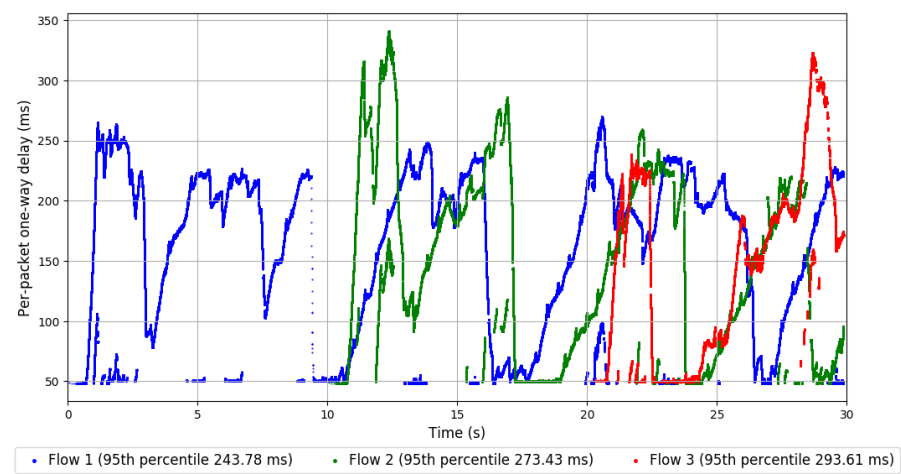
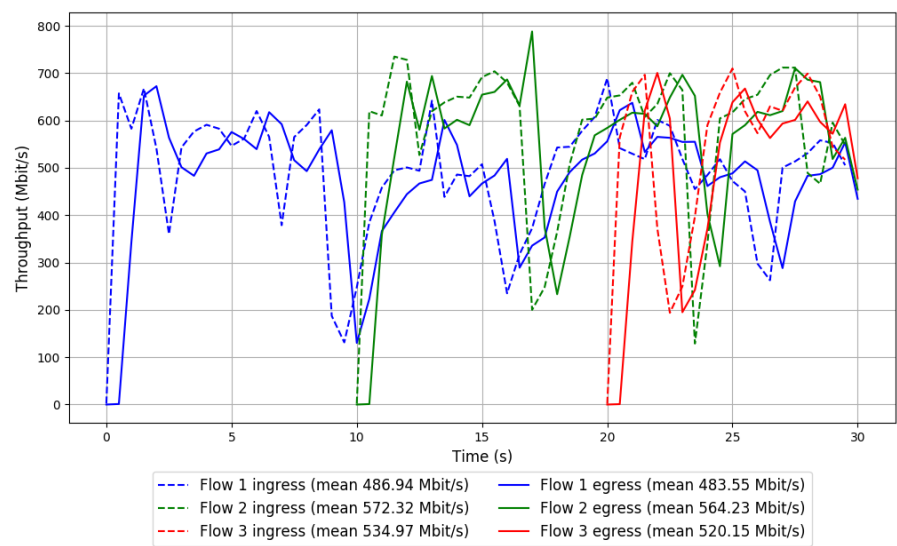


Run 1: Statistics of FillP

Start at: 2018-07-20 20:08:24
End at: 2018-07-20 20:08:54
Local clock offset: -0.473 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-21 00:48:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 1029.70 Mbit/s
95th percentile per-packet one-way delay: 257.946 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 483.55 Mbit/s
95th percentile per-packet one-way delay: 243.782 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 564.23 Mbit/s
95th percentile per-packet one-way delay: 273.433 ms
Loss rate: 1.91%
-- Flow 3:
Average throughput: 520.15 Mbit/s
95th percentile per-packet one-way delay: 293.607 ms
Loss rate: 3.75%

Run 1: Report of FillP — Data Link

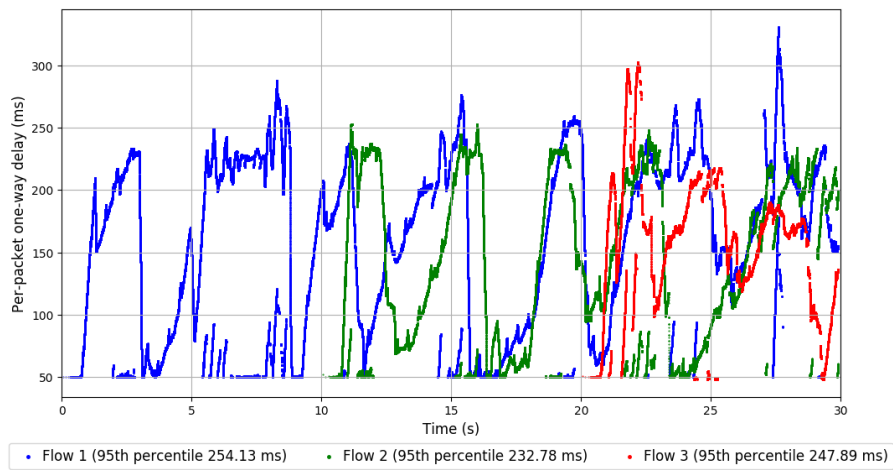
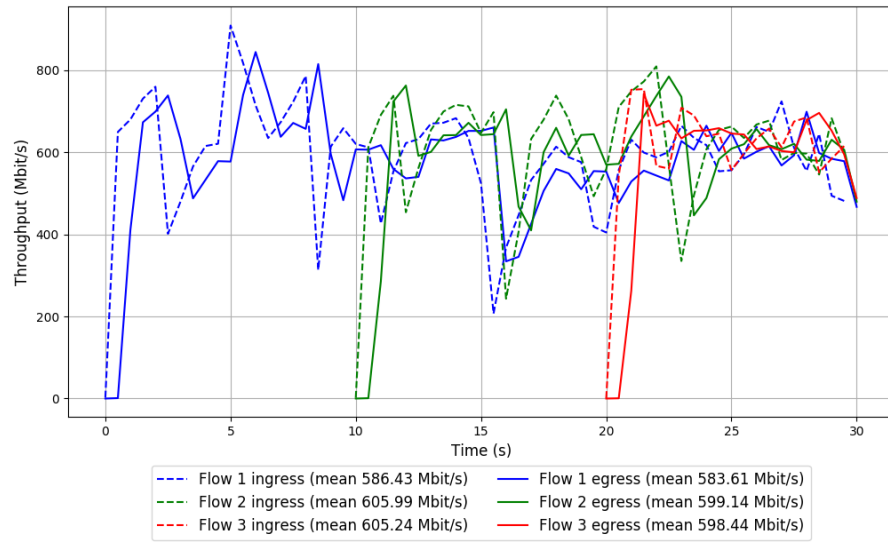


Run 2: Statistics of FillP

Start at: 2018-07-20 20:31:53
End at: 2018-07-20 20:32:23
Local clock offset: -0.452 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-21 00:53:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 1178.76 Mbit/s
95th percentile per-packet one-way delay: 245.135 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 583.61 Mbit/s
95th percentile per-packet one-way delay: 254.127 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 599.14 Mbit/s
95th percentile per-packet one-way delay: 232.782 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 598.44 Mbit/s
95th percentile per-packet one-way delay: 247.887 ms
Loss rate: 2.14%

Run 2: Report of FillP — Data Link

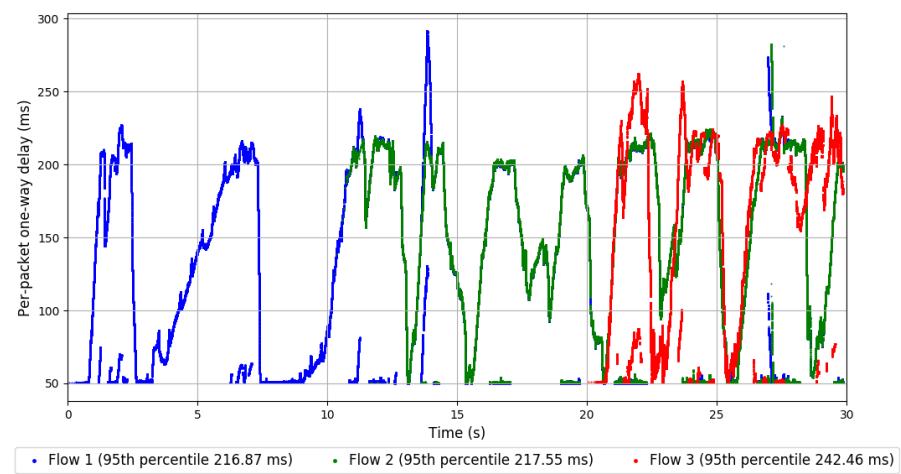
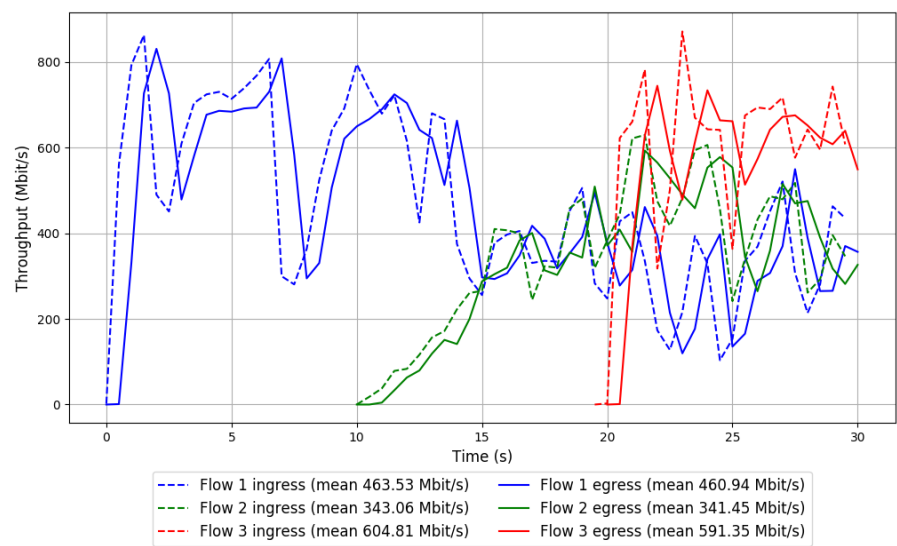


Run 3: Statistics of FillP

Start at: 2018-07-20 20:55:33
End at: 2018-07-20 20:56:03
Local clock offset: -0.099 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-21 00:53:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 882.21 Mbit/s
95th percentile per-packet one-way delay: 222.737 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 460.94 Mbit/s
95th percentile per-packet one-way delay: 216.865 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 341.45 Mbit/s
95th percentile per-packet one-way delay: 217.554 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 591.35 Mbit/s
95th percentile per-packet one-way delay: 242.462 ms
Loss rate: 3.18%

Run 3: Report of FillP — Data Link

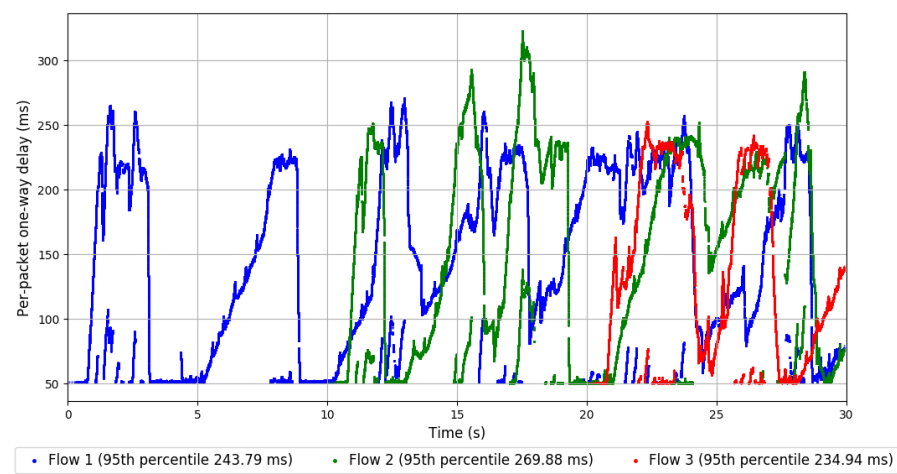
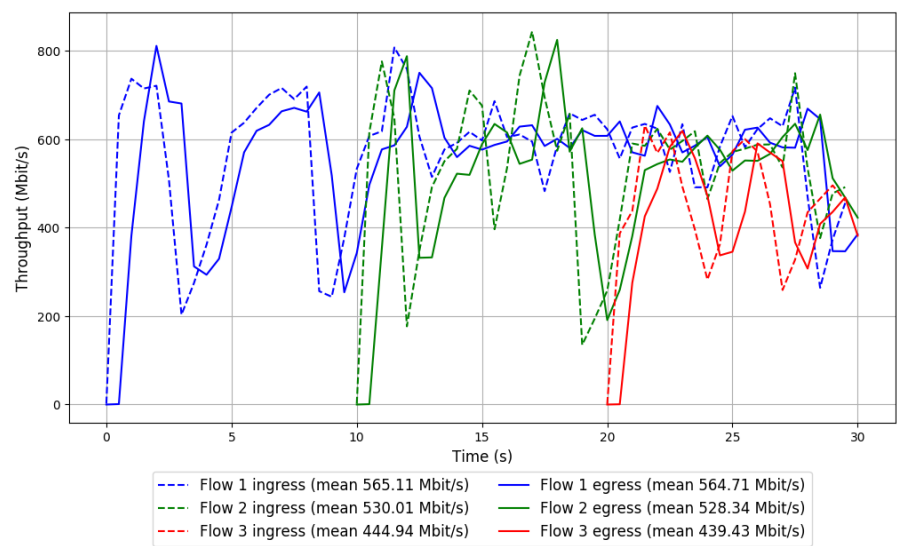


Run 4: Statistics of FillP

Start at: 2018-07-20 21:19:19
End at: 2018-07-20 21:19:49
Local clock offset: 0.209 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-21 00:53:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 1060.32 Mbit/s
95th percentile per-packet one-way delay: 248.656 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 564.71 Mbit/s
95th percentile per-packet one-way delay: 243.787 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 528.34 Mbit/s
95th percentile per-packet one-way delay: 269.876 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 439.43 Mbit/s
95th percentile per-packet one-way delay: 234.935 ms
Loss rate: 2.24%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-20 21:43:02

End at: 2018-07-20 21:43:32

Local clock offset: -0.055 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-21 00:53:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 1005.85 Mbit/s

95th percentile per-packet one-way delay: 231.991 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 495.60 Mbit/s

95th percentile per-packet one-way delay: 229.668 ms

Loss rate: 1.14%

-- Flow 2:

Average throughput: 452.23 Mbit/s

95th percentile per-packet one-way delay: 240.418 ms

Loss rate: 1.39%

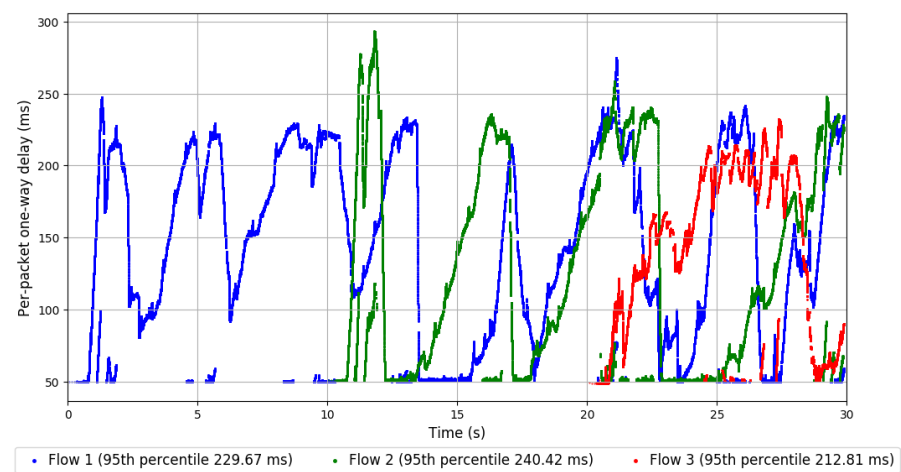
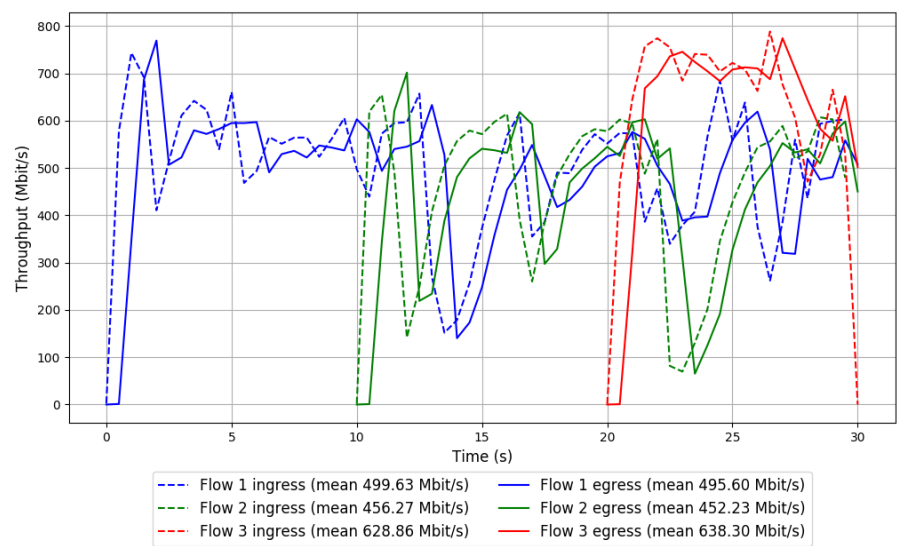
-- Flow 3:

Average throughput: 638.30 Mbit/s

95th percentile per-packet one-way delay: 212.812 ms

Loss rate: 0.90%

Run 5: Report of FillP — Data Link

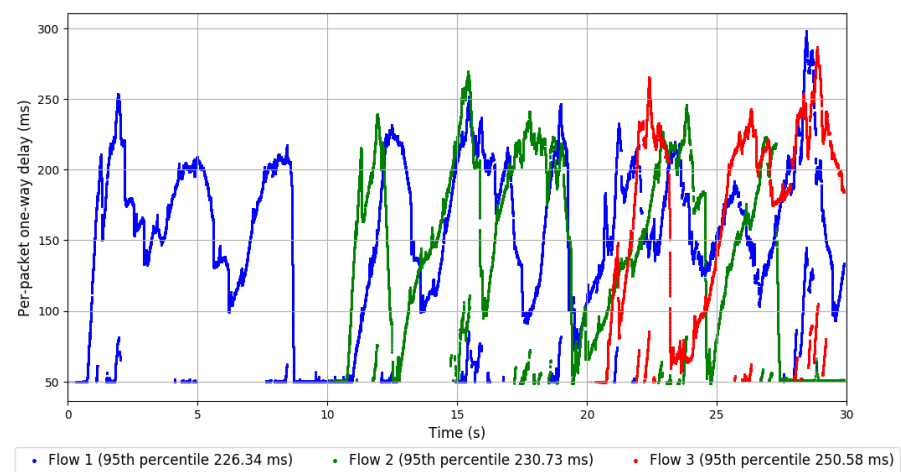
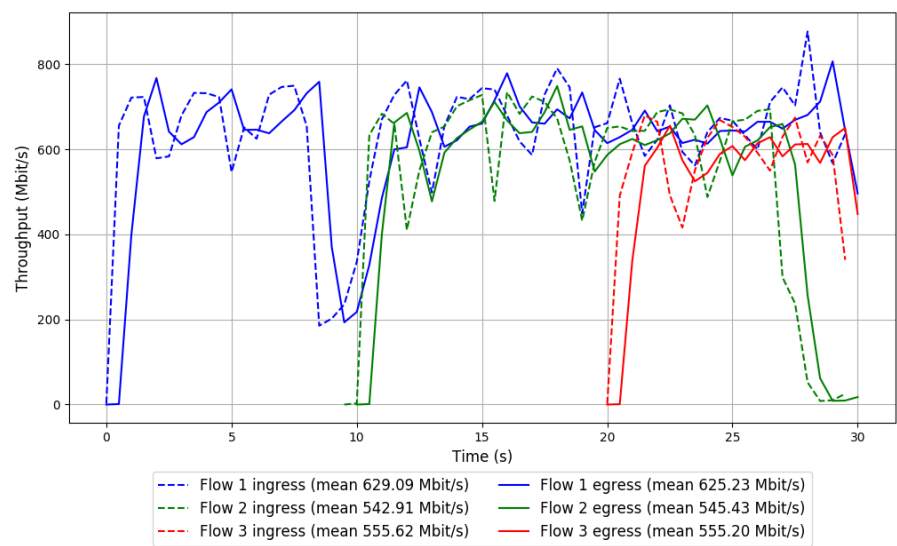


Run 6: Statistics of FillP

Start at: 2018-07-20 22:06:50
End at: 2018-07-20 22:07:20
Local clock offset: -0.082 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-21 00:55:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 1170.78 Mbit/s
95th percentile per-packet one-way delay: 233.612 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 625.23 Mbit/s
95th percentile per-packet one-way delay: 226.344 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 545.43 Mbit/s
95th percentile per-packet one-way delay: 230.734 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 555.20 Mbit/s
95th percentile per-packet one-way delay: 250.576 ms
Loss rate: 1.10%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-20 22:30:45

End at: 2018-07-20 22:31:15

Local clock offset: -0.463 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-21 00:56:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 1141.95 Mbit/s

95th percentile per-packet one-way delay: 242.804 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 597.52 Mbit/s

95th percentile per-packet one-way delay: 234.768 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 523.46 Mbit/s

95th percentile per-packet one-way delay: 278.208 ms

Loss rate: 2.48%

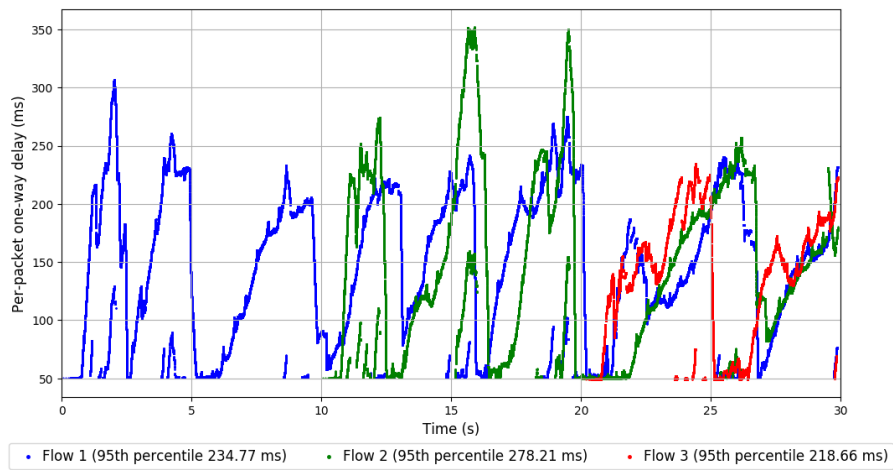
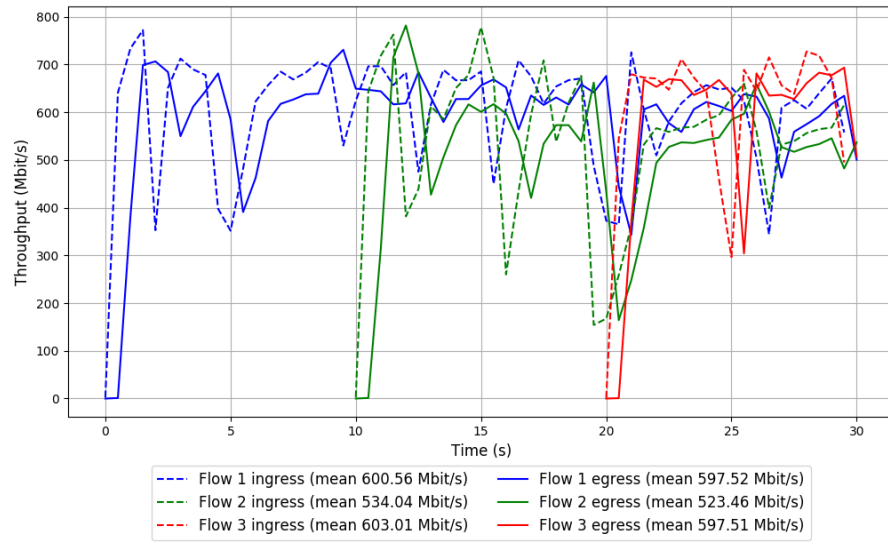
-- Flow 3:

Average throughput: 597.51 Mbit/s

95th percentile per-packet one-way delay: 218.663 ms

Loss rate: 1.92%

Run 7: Report of FillP — Data Link

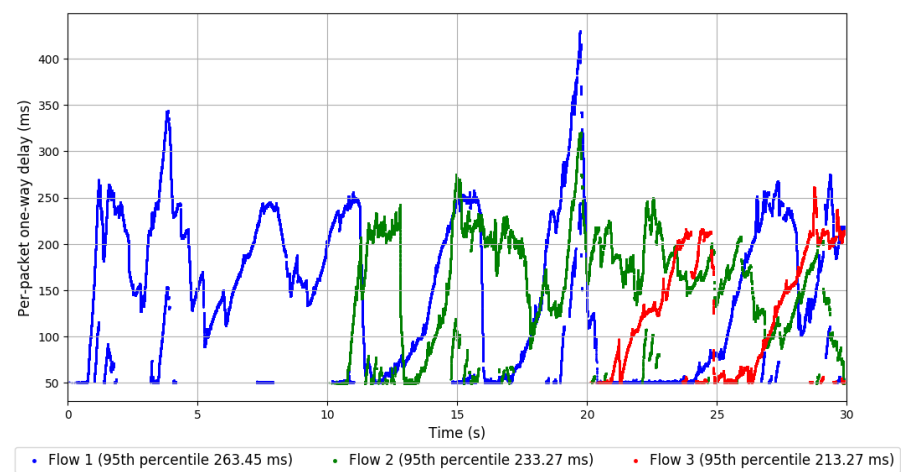
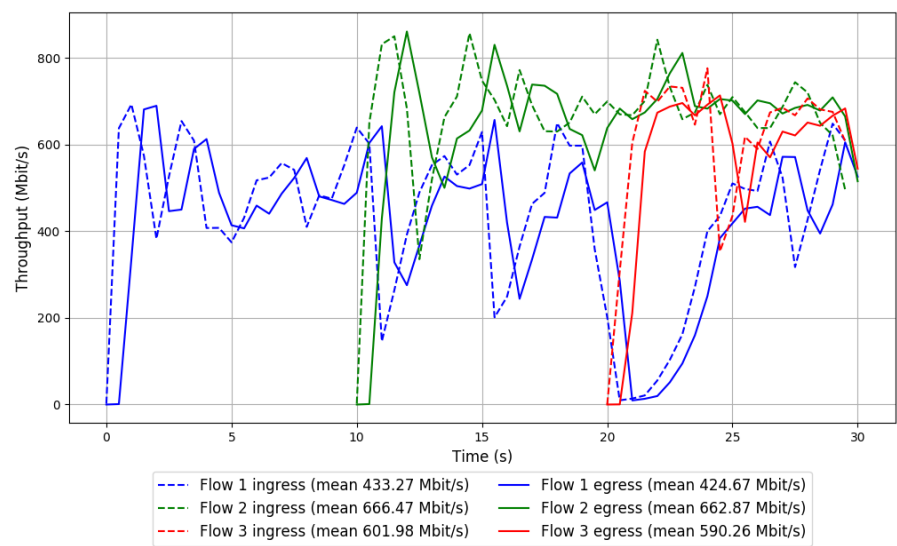


Run 8: Statistics of FillP

Start at: 2018-07-20 22:54:37
End at: 2018-07-20 22:55:07
Local clock offset: -0.499 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-21 00:56:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 1059.09 Mbit/s
95th percentile per-packet one-way delay: 249.064 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 424.67 Mbit/s
95th percentile per-packet one-way delay: 263.449 ms
Loss rate: 2.32%
-- Flow 2:
Average throughput: 662.87 Mbit/s
95th percentile per-packet one-way delay: 233.267 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 590.26 Mbit/s
95th percentile per-packet one-way delay: 213.266 ms
Loss rate: 2.95%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-20 23:18:26

End at: 2018-07-20 23:18:56

Local clock offset: -0.151 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2018-07-21 01:10:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 1065.62 Mbit/s

95th percentile per-packet one-way delay: 237.068 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 471.03 Mbit/s

95th percentile per-packet one-way delay: 237.308 ms

Loss rate: 0.95%

-- Flow 2:

Average throughput: 611.24 Mbit/s

95th percentile per-packet one-way delay: 228.369 ms

Loss rate: 0.65%

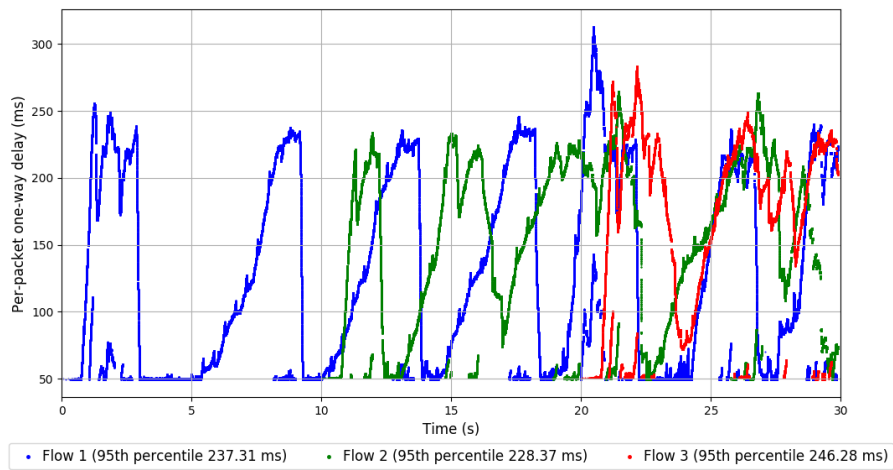
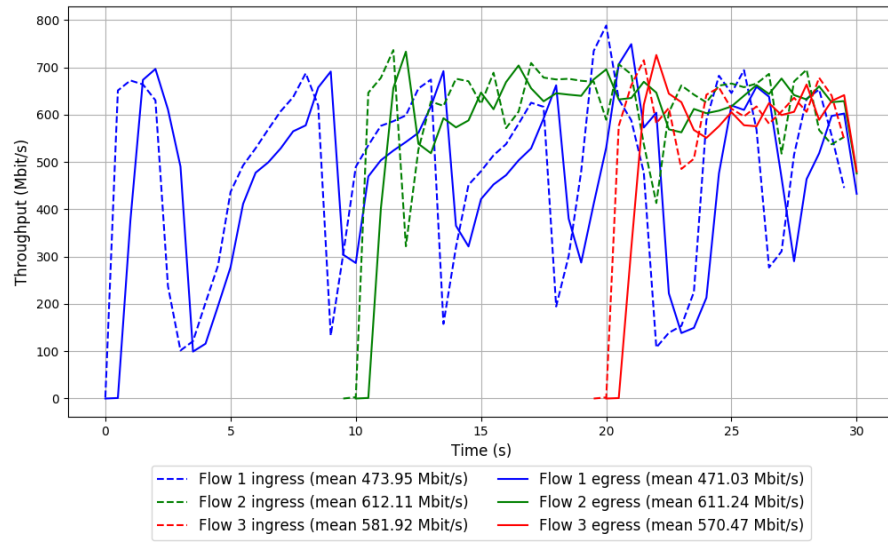
-- Flow 3:

Average throughput: 570.47 Mbit/s

95th percentile per-packet one-way delay: 246.284 ms

Loss rate: 2.96%

Run 9: Report of FillP — Data Link

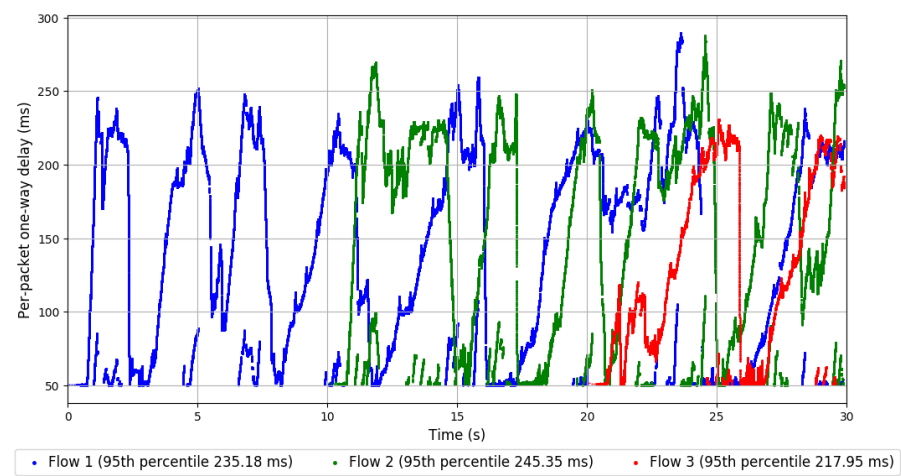
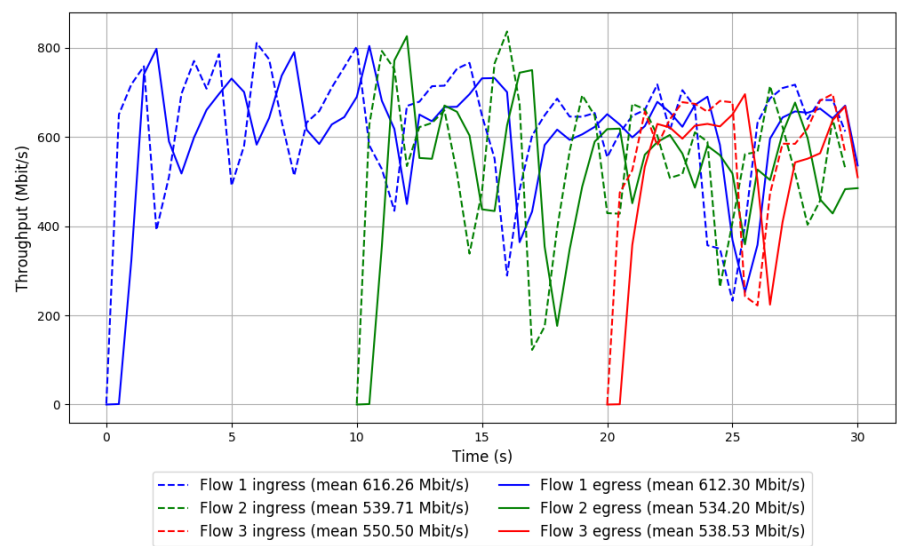


Run 10: Statistics of FillP

Start at: 2018-07-20 23:42:27
End at: 2018-07-20 23:42:57
Local clock offset: 0.242 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-21 01:12:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 1144.45 Mbit/s
95th percentile per-packet one-way delay: 237.041 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 612.30 Mbit/s
95th percentile per-packet one-way delay: 235.175 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 534.20 Mbit/s
95th percentile per-packet one-way delay: 245.350 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 538.53 Mbit/s
95th percentile per-packet one-way delay: 217.948 ms
Loss rate: 3.16%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-20 20:18:30

End at: 2018-07-20 20:19:00

Local clock offset: 0.263 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-21 01:13:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 1076.56 Mbit/s

95th percentile per-packet one-way delay: 106.416 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 568.11 Mbit/s

95th percentile per-packet one-way delay: 101.836 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 489.93 Mbit/s

95th percentile per-packet one-way delay: 101.296 ms

Loss rate: 0.74%

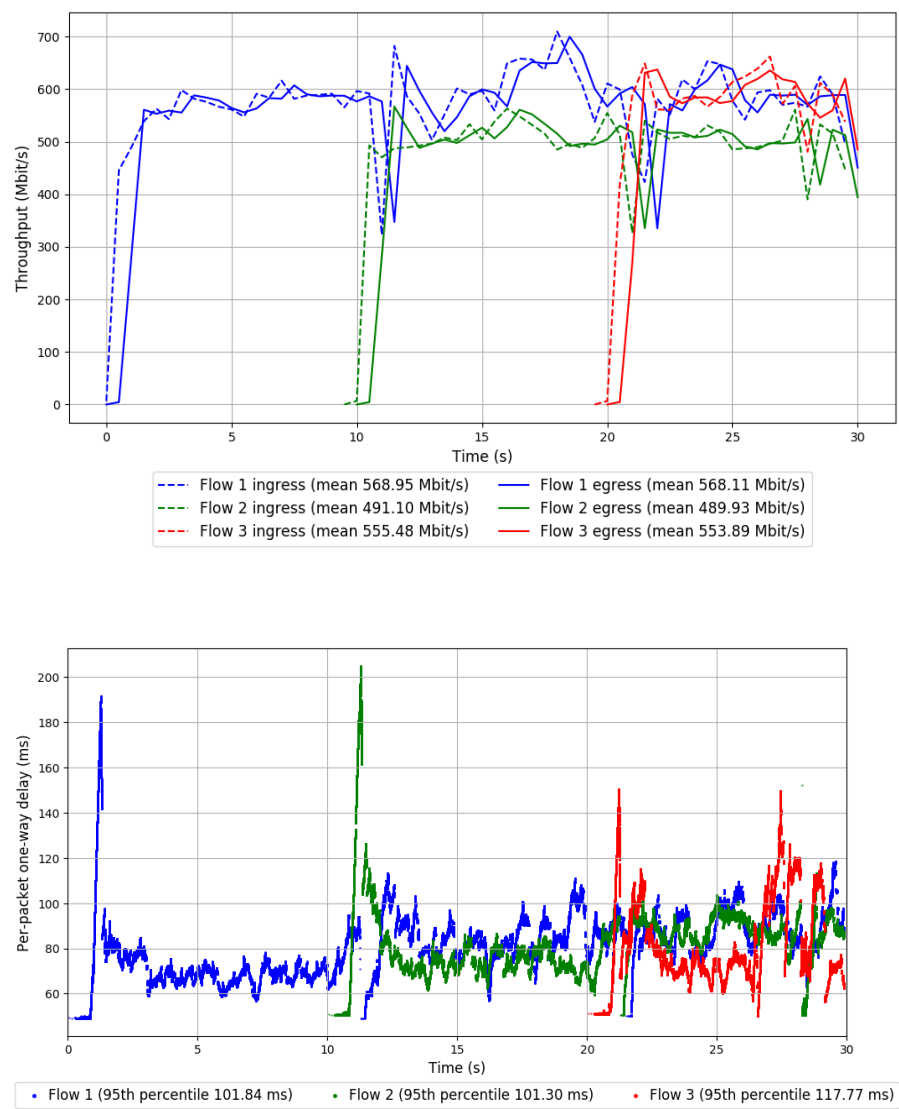
-- Flow 3:

Average throughput: 553.89 Mbit/s

95th percentile per-packet one-way delay: 117.765 ms

Loss rate: 1.29%

Run 1: Report of FillP-Sheep — Data Link

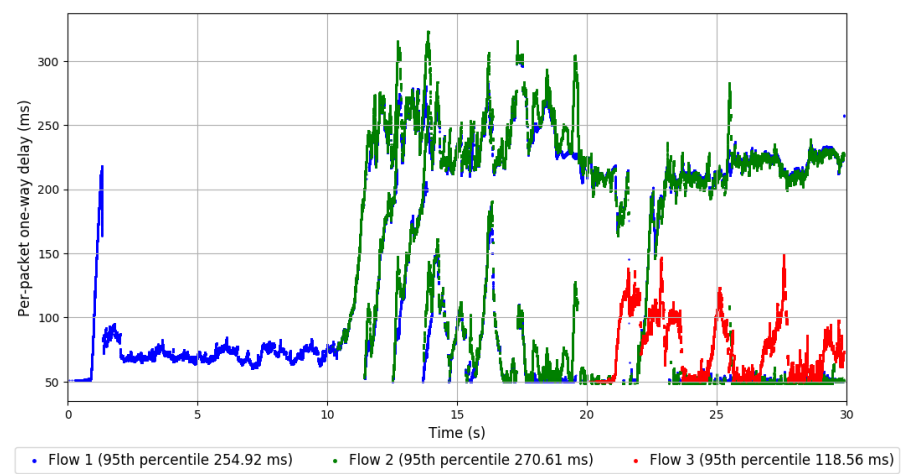
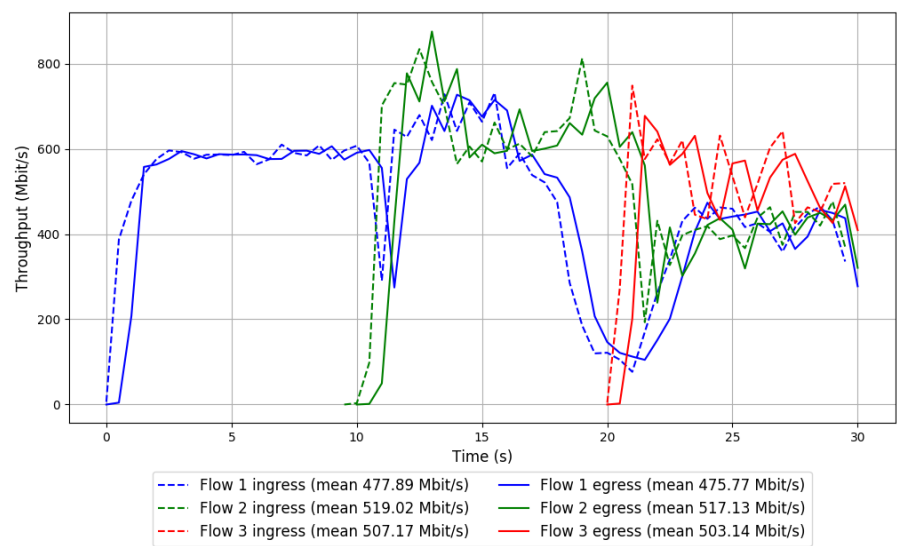


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-20 20:42:06
End at: 2018-07-20 20:42:36
Local clock offset: -0.14 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-21 01:13:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 984.33 Mbit/s
95th percentile per-packet one-way delay: 259.443 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 475.77 Mbit/s
95th percentile per-packet one-way delay: 254.917 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 517.13 Mbit/s
95th percentile per-packet one-way delay: 270.609 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 503.14 Mbit/s
95th percentile per-packet one-way delay: 118.555 ms
Loss rate: 1.81%

Run 2: Report of FillP-Sheep — Data Link

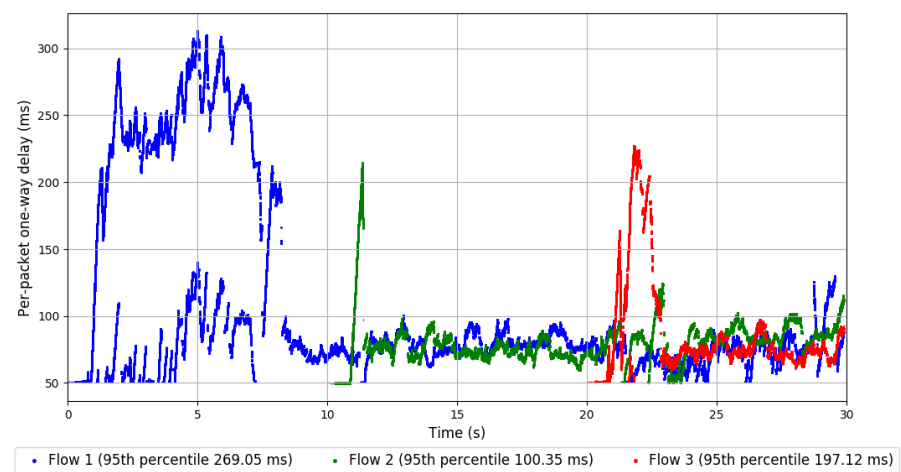
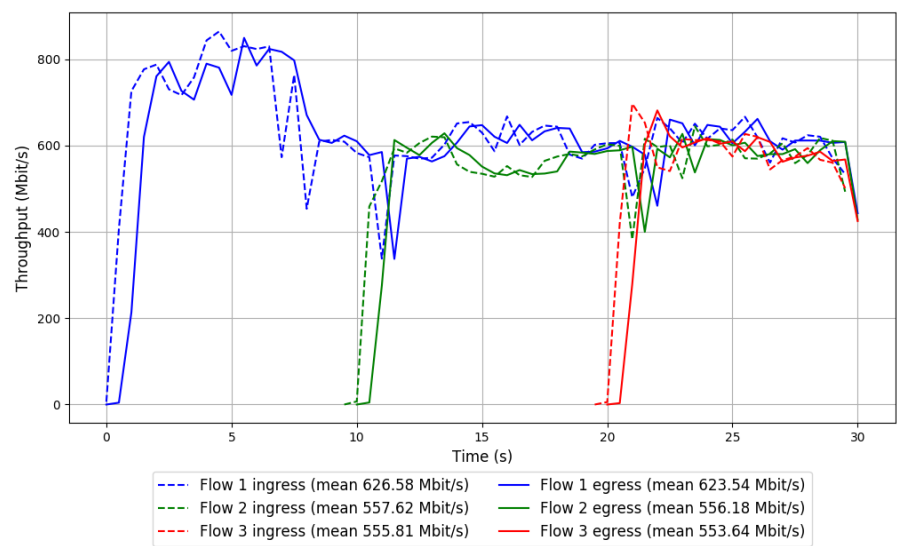


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-20 21:05:35
End at: 2018-07-20 21:06:05
Local clock offset: -0.113 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-07-21 01:17:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 1175.83 Mbit/s
95th percentile per-packet one-way delay: 250.904 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 623.54 Mbit/s
95th percentile per-packet one-way delay: 269.046 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 556.18 Mbit/s
95th percentile per-packet one-way delay: 100.349 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 553.64 Mbit/s
95th percentile per-packet one-way delay: 197.119 ms
Loss rate: 1.41%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-20 21:29:28

End at: 2018-07-20 21:29:58

Local clock offset: -0.432 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-21 01:17:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 1076.59 Mbit/s

95th percentile per-packet one-way delay: 109.069 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 572.00 Mbit/s

95th percentile per-packet one-way delay: 94.580 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 486.18 Mbit/s

95th percentile per-packet one-way delay: 130.533 ms

Loss rate: 0.71%

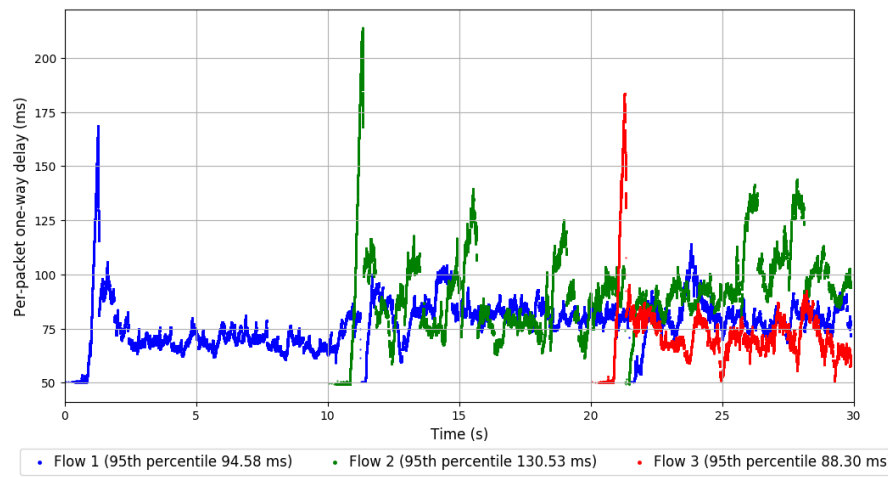
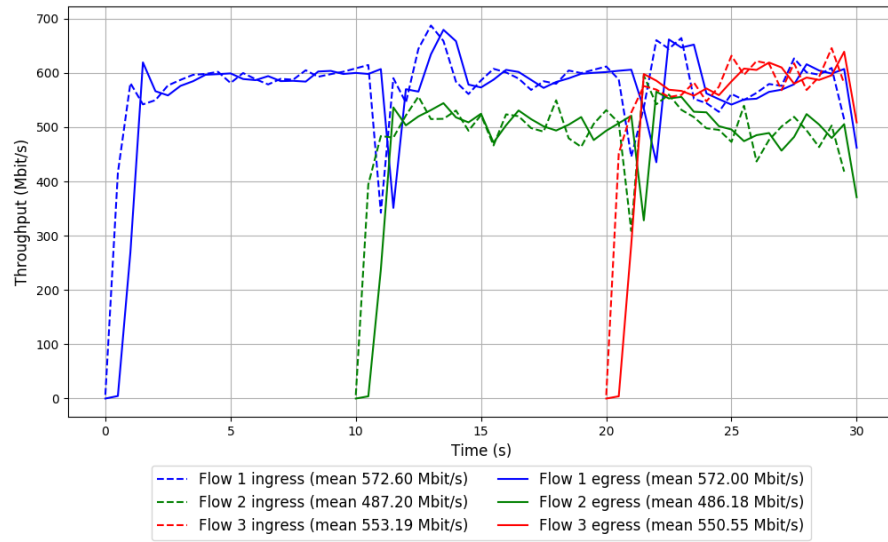
-- Flow 3:

Average throughput: 550.55 Mbit/s

95th percentile per-packet one-way delay: 88.300 ms

Loss rate: 1.49%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-20 21:53:18

End at: 2018-07-20 21:53:48

Local clock offset: -0.08 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-07-21 01:18:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 1144.71 Mbit/s

95th percentile per-packet one-way delay: 119.712 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 582.75 Mbit/s

95th percentile per-packet one-way delay: 107.871 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 558.13 Mbit/s

95th percentile per-packet one-way delay: 143.020 ms

Loss rate: 0.82%

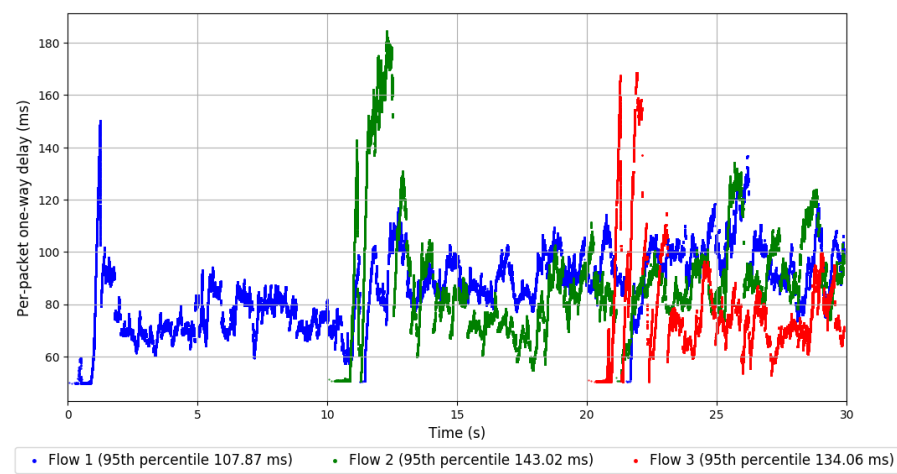
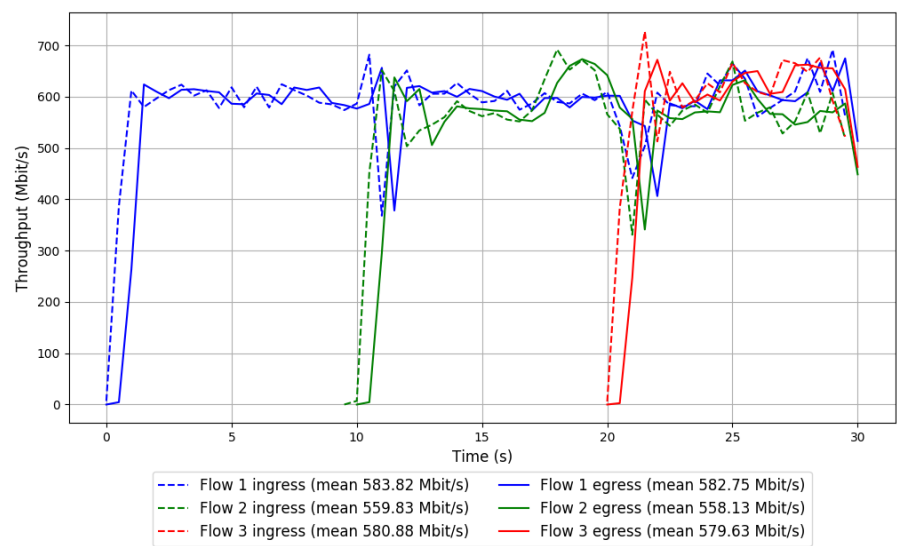
-- Flow 3:

Average throughput: 579.63 Mbit/s

95th percentile per-packet one-way delay: 134.055 ms

Loss rate: 1.25%

Run 5: Report of FillP-Sheep — Data Link

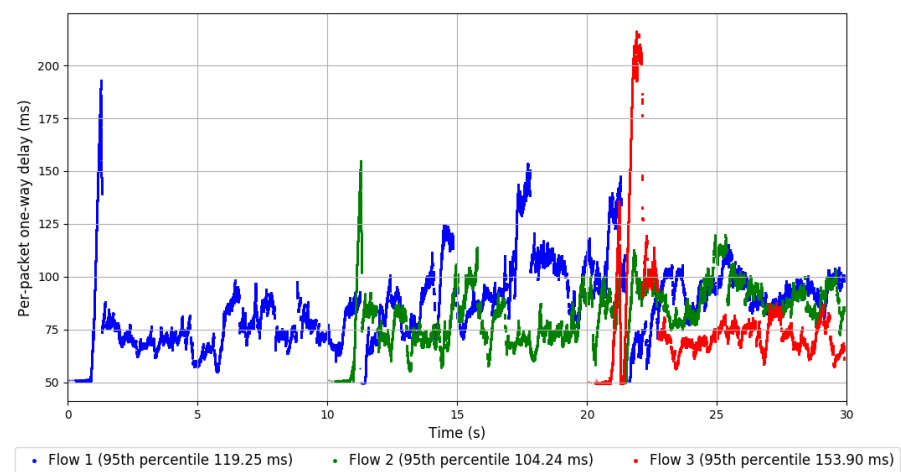
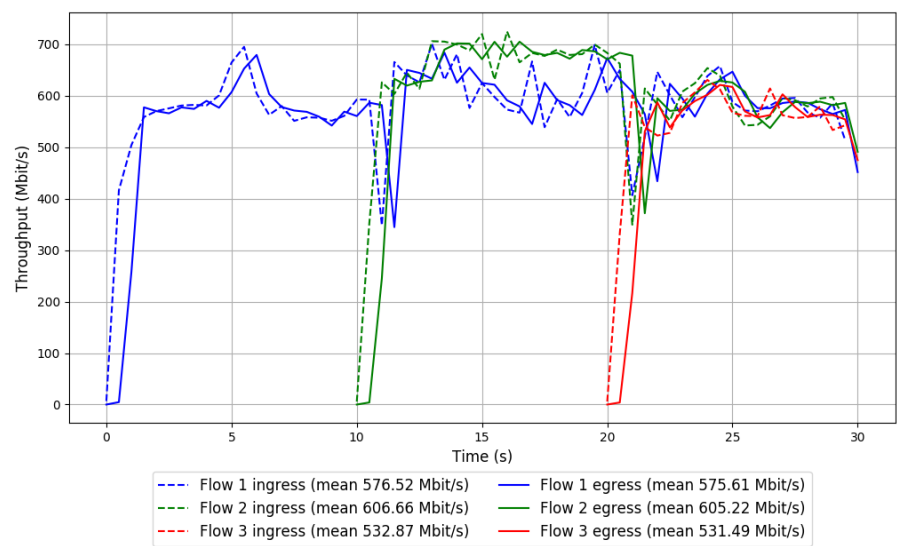


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-20 22:17:14
End at: 2018-07-20 22:17:44
Local clock offset: -0.13 ms
Remote clock offset: -0.069 ms

```
# Below is generated by plot.py at 2018-07-21 01:20:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1153.00 Mbit/s
95th percentile per-packet one-way delay: 113.403 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 575.61 Mbit/s
95th percentile per-packet one-way delay: 119.253 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 605.22 Mbit/s
95th percentile per-packet one-way delay: 104.240 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 531.49 Mbit/s
95th percentile per-packet one-way delay: 153.897 ms
Loss rate: 1.29%
```

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-20 22:41:05

End at: 2018-07-20 22:41:35

Local clock offset: -0.489 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-21 01:35:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 1108.66 Mbit/s

95th percentile per-packet one-way delay: 118.471 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 590.68 Mbit/s

95th percentile per-packet one-way delay: 115.673 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 545.01 Mbit/s

95th percentile per-packet one-way delay: 122.509 ms

Loss rate: 0.80%

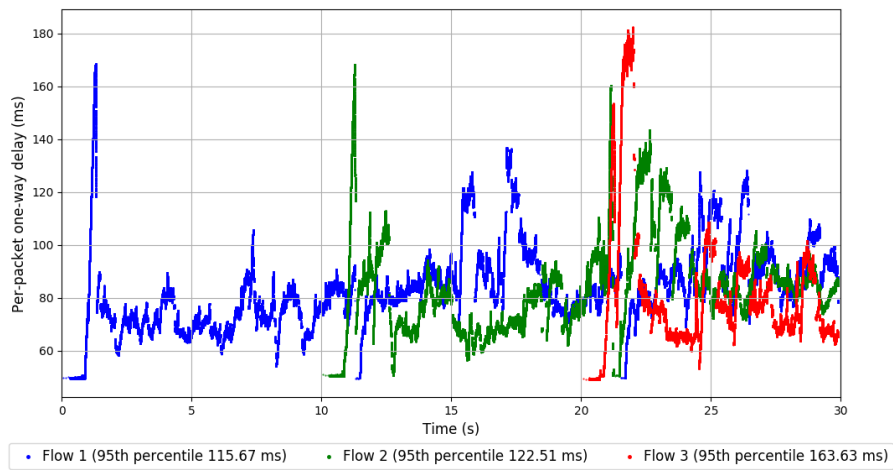
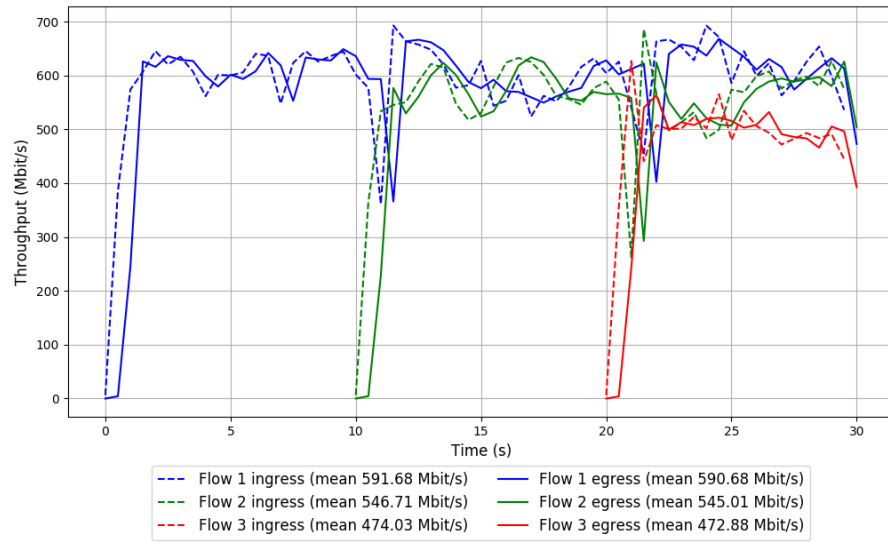
-- Flow 3:

Average throughput: 472.88 Mbit/s

95th percentile per-packet one-way delay: 163.631 ms

Loss rate: 1.26%

Run 7: Report of FillP-Sheep — Data Link

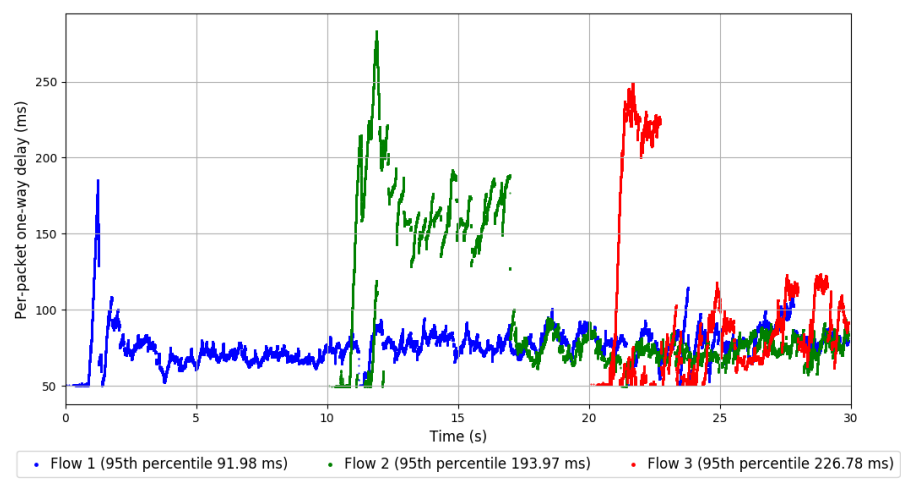
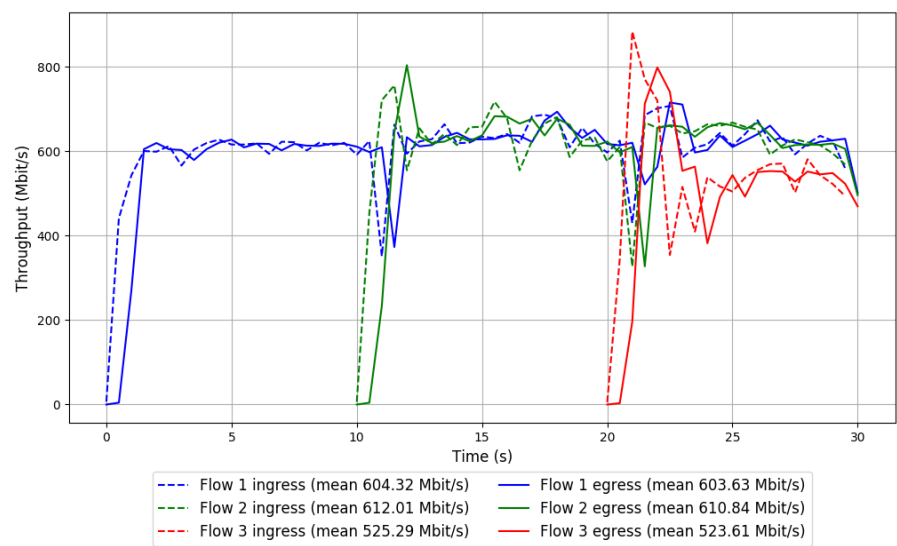


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-20 23:04:45
End at: 2018-07-20 23:05:15
Local clock offset: -0.106 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-21 01:38:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 1182.10 Mbit/s
95th percentile per-packet one-way delay: 186.497 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 603.63 Mbit/s
95th percentile per-packet one-way delay: 91.985 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 610.84 Mbit/s
95th percentile per-packet one-way delay: 193.970 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 523.61 Mbit/s
95th percentile per-packet one-way delay: 226.783 ms
Loss rate: 1.33%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-20 23:28:43

End at: 2018-07-20 23:29:13

Local clock offset: -0.101 ms

Remote clock offset: 0.096 ms

Below is generated by plot.py at 2018-07-21 01:38:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 1109.43 Mbit/s

95th percentile per-packet one-way delay: 165.865 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 579.22 Mbit/s

95th percentile per-packet one-way delay: 160.645 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 572.13 Mbit/s

95th percentile per-packet one-way delay: 163.832 ms

Loss rate: 1.03%

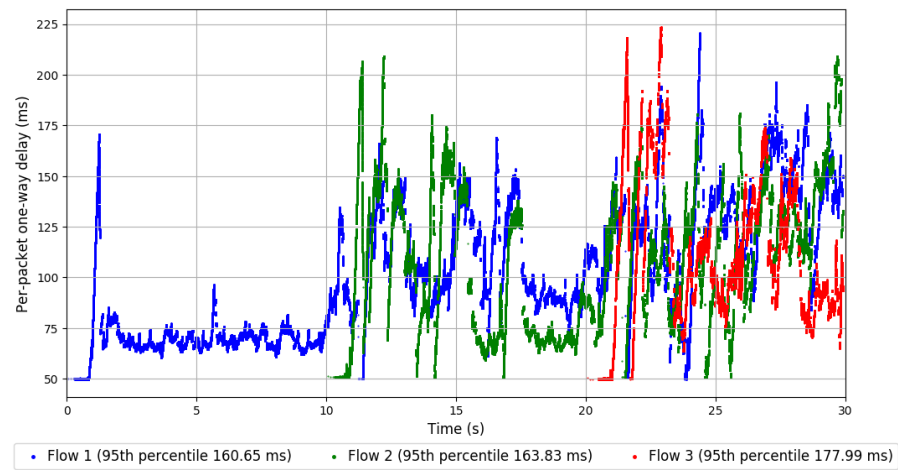
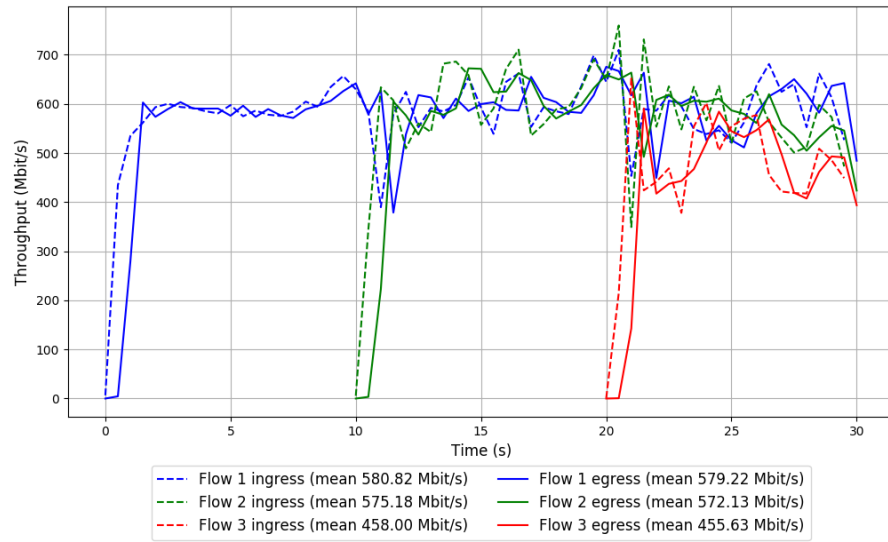
-- Flow 3:

Average throughput: 455.63 Mbit/s

95th percentile per-packet one-way delay: 177.992 ms

Loss rate: 1.54%

Run 9: Report of FillP-Sheep — Data Link

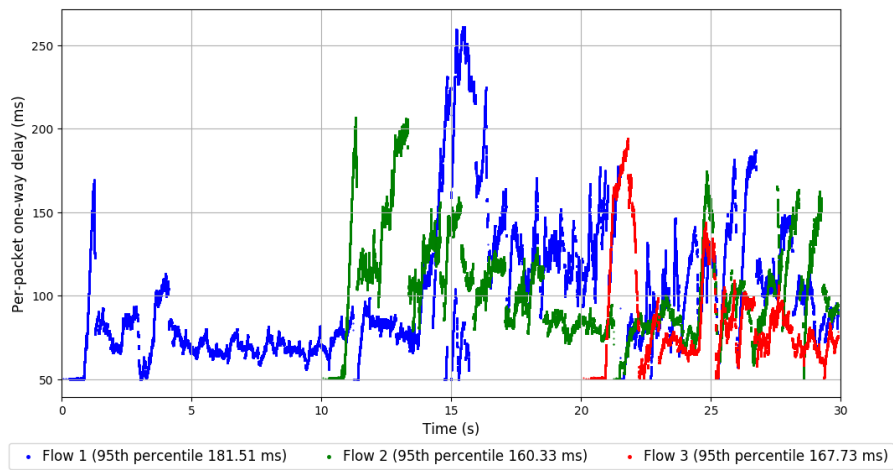
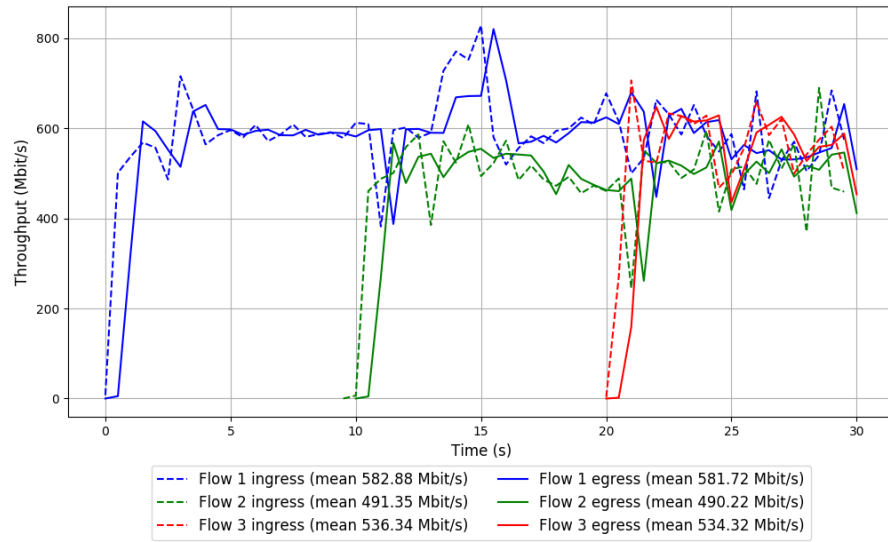


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-20 23:52:38
End at: 2018-07-20 23:53:08
Local clock offset: 0.254 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-21 01:38:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 1083.45 Mbit/s
95th percentile per-packet one-way delay: 175.382 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 581.72 Mbit/s
95th percentile per-packet one-way delay: 181.514 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 490.22 Mbit/s
95th percentile per-packet one-way delay: 160.327 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 534.32 Mbit/s
95th percentile per-packet one-way delay: 167.728 ms
Loss rate: 1.37%

Run 10: Report of FillP-Sheep — Data Link

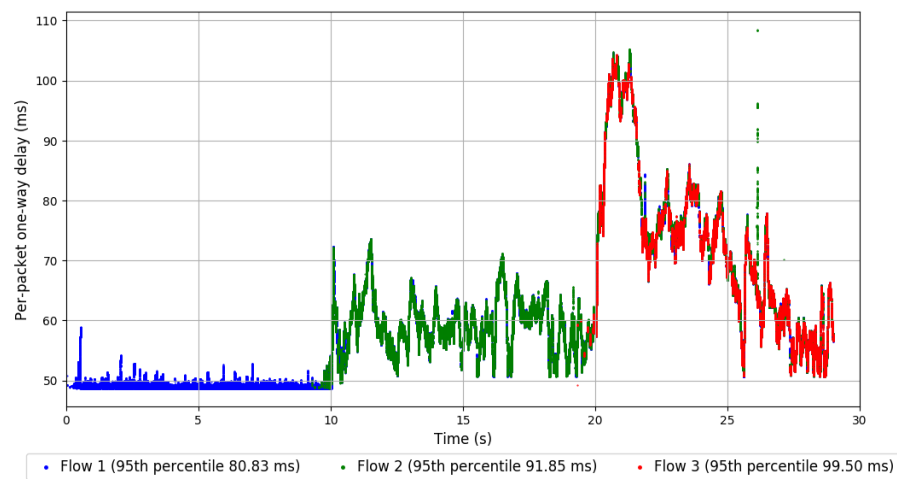
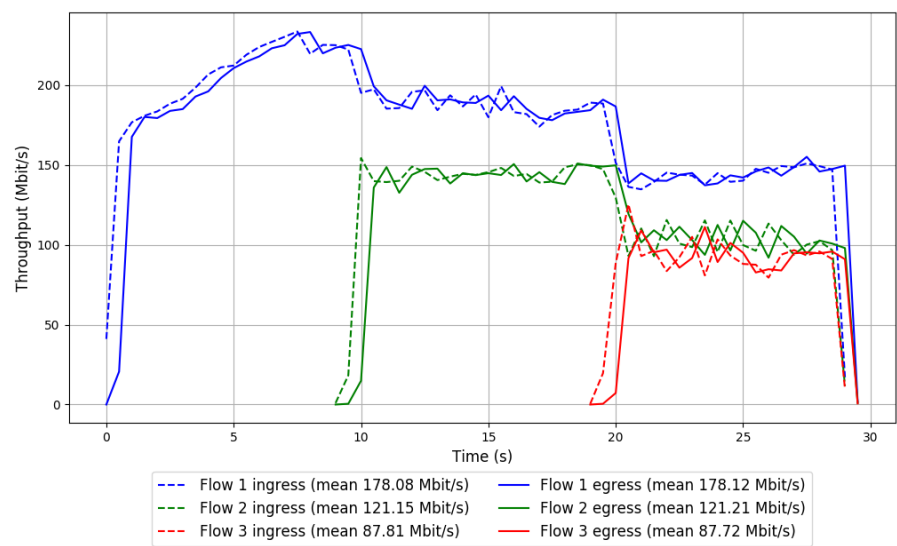


Run 1: Statistics of Indigo

Start at: 2018-07-20 20:21:31
End at: 2018-07-20 20:22:01
Local clock offset: -0.104 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-21 01:38:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 289.90 Mbit/s
95th percentile per-packet one-way delay: 90.338 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 178.12 Mbit/s
95th percentile per-packet one-way delay: 80.827 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 121.21 Mbit/s
95th percentile per-packet one-way delay: 91.850 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 87.72 Mbit/s
95th percentile per-packet one-way delay: 99.497 ms
Loss rate: 1.11%

Run 1: Report of Indigo — Data Link

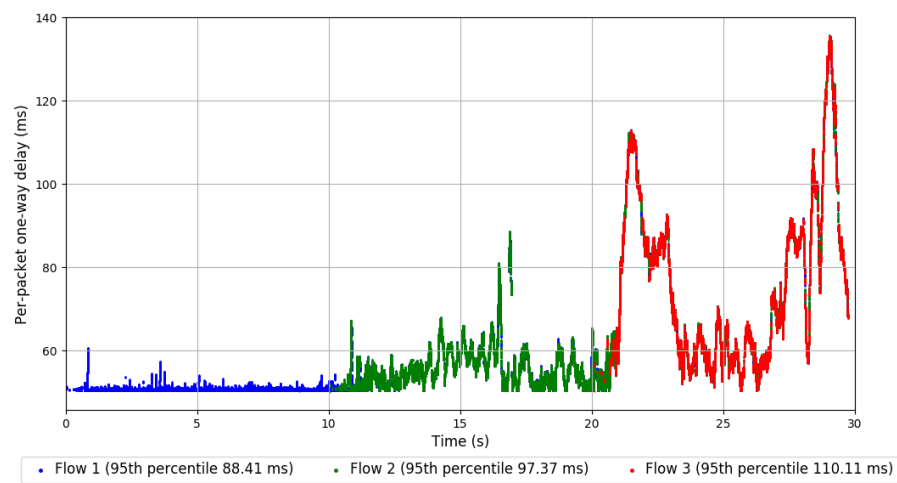
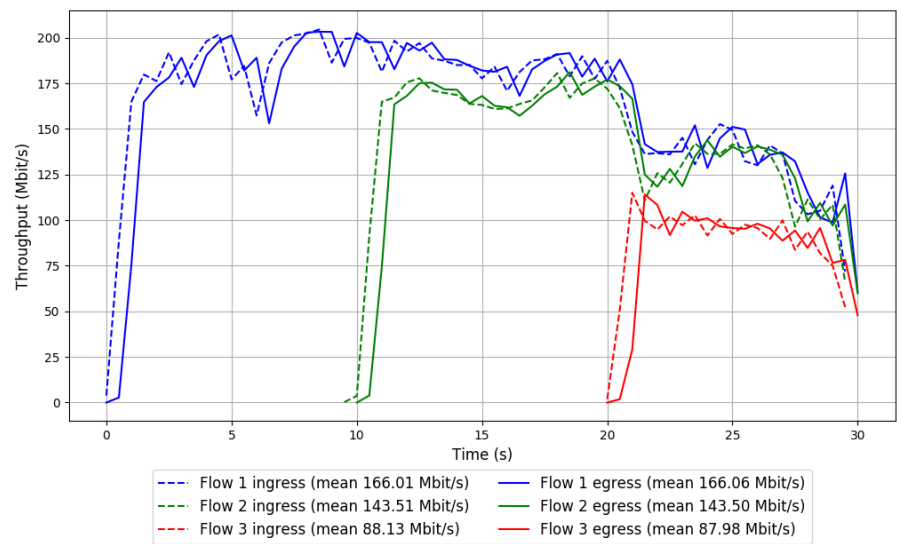


Run 2: Statistics of Indigo

Start at: 2018-07-20 20:45:06
End at: 2018-07-20 20:45:36
Local clock offset: -0.448 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-21 01:38:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 289.85 Mbit/s
95th percentile per-packet one-way delay: 96.964 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 166.06 Mbit/s
95th percentile per-packet one-way delay: 88.405 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 143.50 Mbit/s
95th percentile per-packet one-way delay: 97.366 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 87.98 Mbit/s
95th percentile per-packet one-way delay: 110.111 ms
Loss rate: 1.21%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-20 21:08:42

End at: 2018-07-20 21:09:12

Local clock offset: -0.486 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-21 01:38:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 295.53 Mbit/s

95th percentile per-packet one-way delay: 67.276 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 179.82 Mbit/s

95th percentile per-packet one-way delay: 65.142 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 148.39 Mbit/s

95th percentile per-packet one-way delay: 69.709 ms

Loss rate: 0.54%

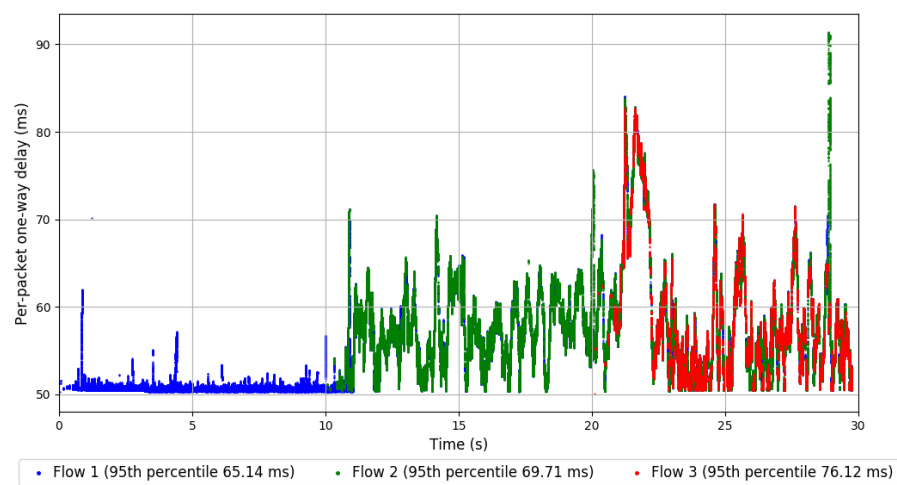
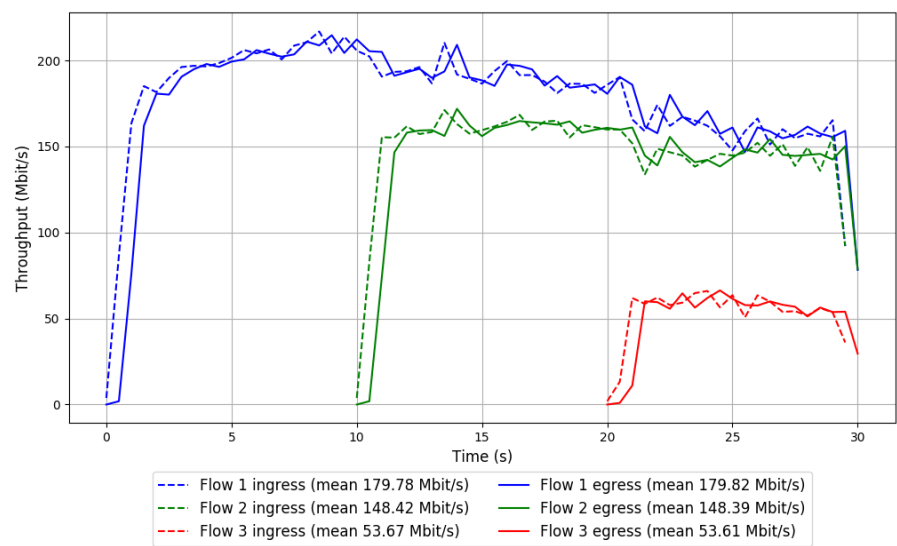
-- Flow 3:

Average throughput: 53.61 Mbit/s

95th percentile per-packet one-way delay: 76.119 ms

Loss rate: 1.18%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-20 21:32:30

End at: 2018-07-20 21:33:00

Local clock offset: -0.455 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-07-21 01:38:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 293.53 Mbit/s

95th percentile per-packet one-way delay: 81.346 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 169.92 Mbit/s

95th percentile per-packet one-way delay: 77.162 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 142.21 Mbit/s

95th percentile per-packet one-way delay: 81.890 ms

Loss rate: 0.40%

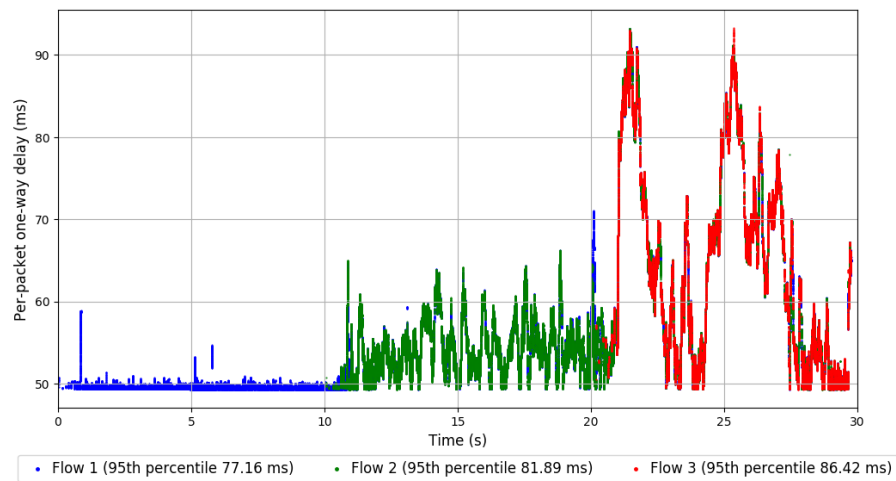
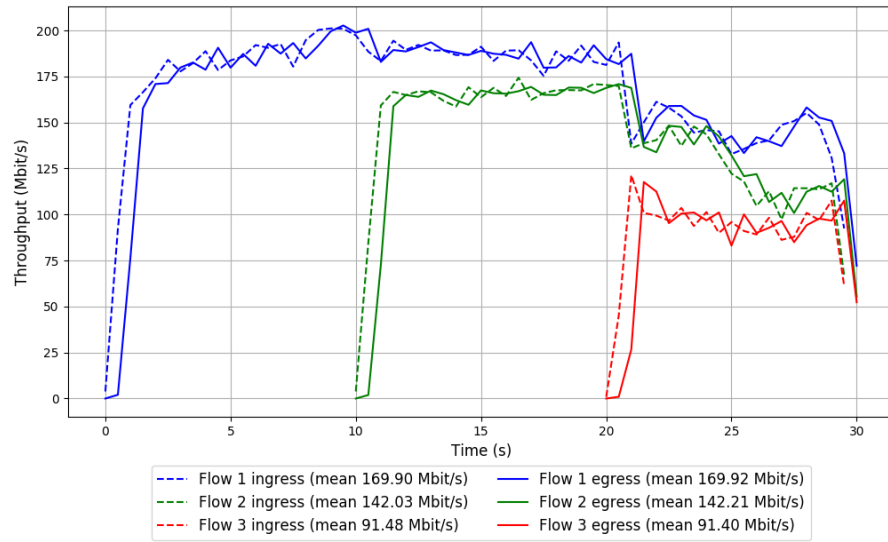
-- Flow 3:

Average throughput: 91.40 Mbit/s

95th percentile per-packet one-way delay: 86.422 ms

Loss rate: 1.11%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-20 21:56:24

End at: 2018-07-20 21:56:54

Local clock offset: -0.459 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-07-21 01:38:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 287.09 Mbit/s

95th percentile per-packet one-way delay: 88.486 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 163.57 Mbit/s

95th percentile per-packet one-way delay: 78.052 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 140.08 Mbit/s

95th percentile per-packet one-way delay: 89.930 ms

Loss rate: 0.52%

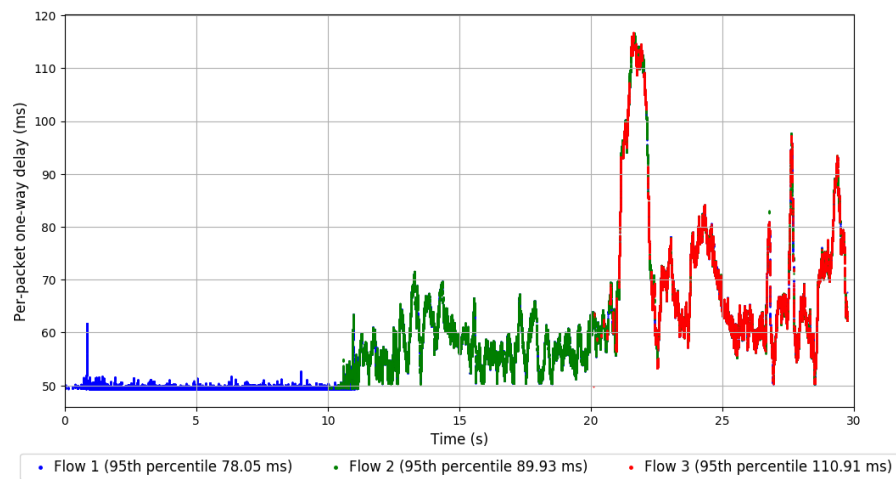
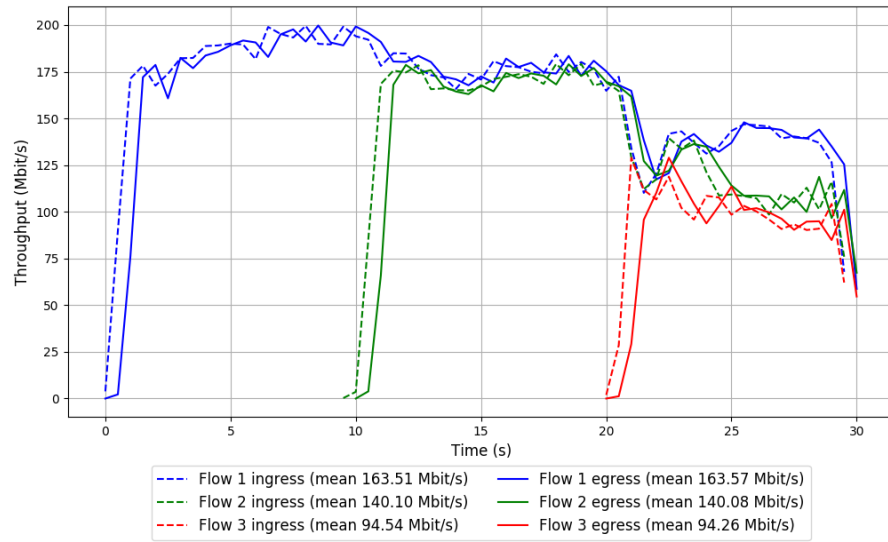
-- Flow 3:

Average throughput: 94.26 Mbit/s

95th percentile per-packet one-way delay: 110.913 ms

Loss rate: 1.30%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-20 22:20:19

End at: 2018-07-20 22:20:49

Local clock offset: -0.471 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-21 01:38:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 283.03 Mbit/s

95th percentile per-packet one-way delay: 71.694 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 177.08 Mbit/s

95th percentile per-packet one-way delay: 70.671 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 137.05 Mbit/s

95th percentile per-packet one-way delay: 72.373 ms

Loss rate: 0.57%

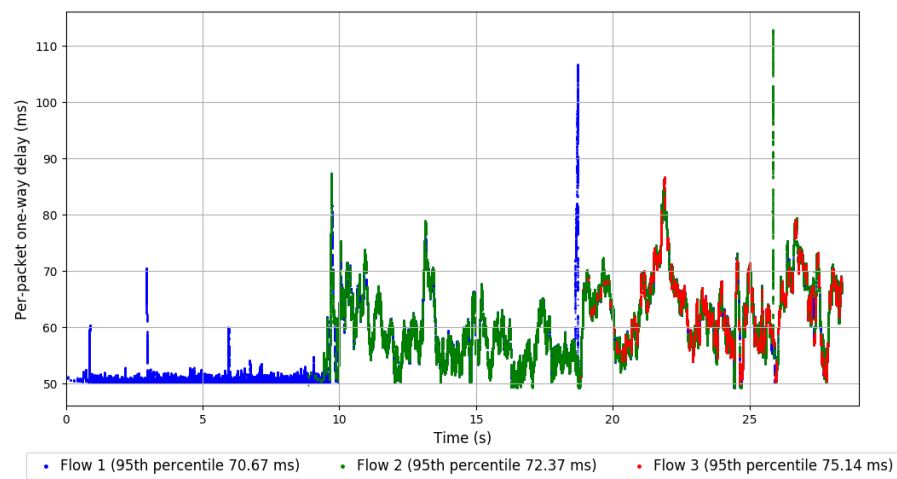
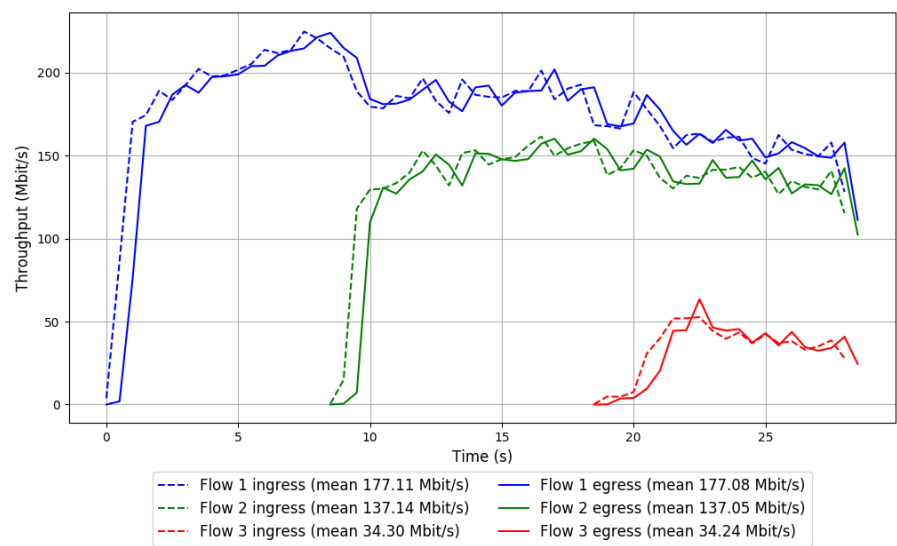
-- Flow 3:

Average throughput: 34.24 Mbit/s

95th percentile per-packet one-way delay: 75.137 ms

Loss rate: 1.23%

Run 6: Report of Indigo — Data Link

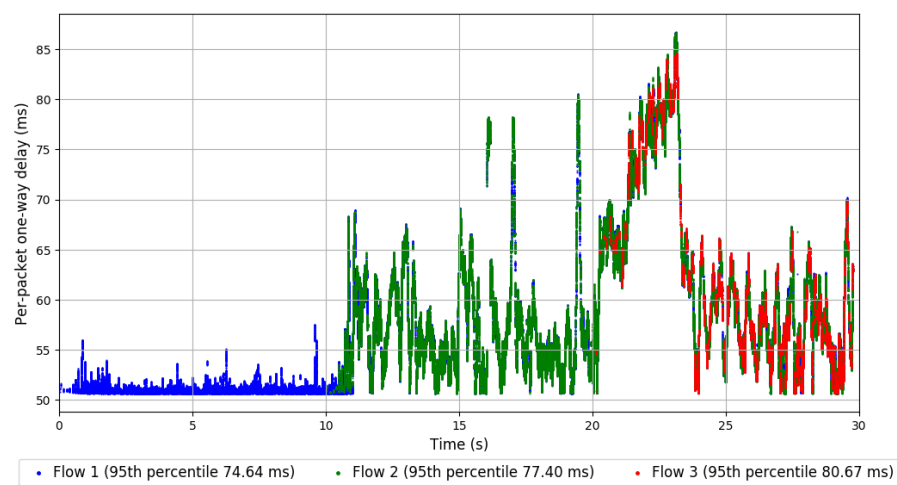
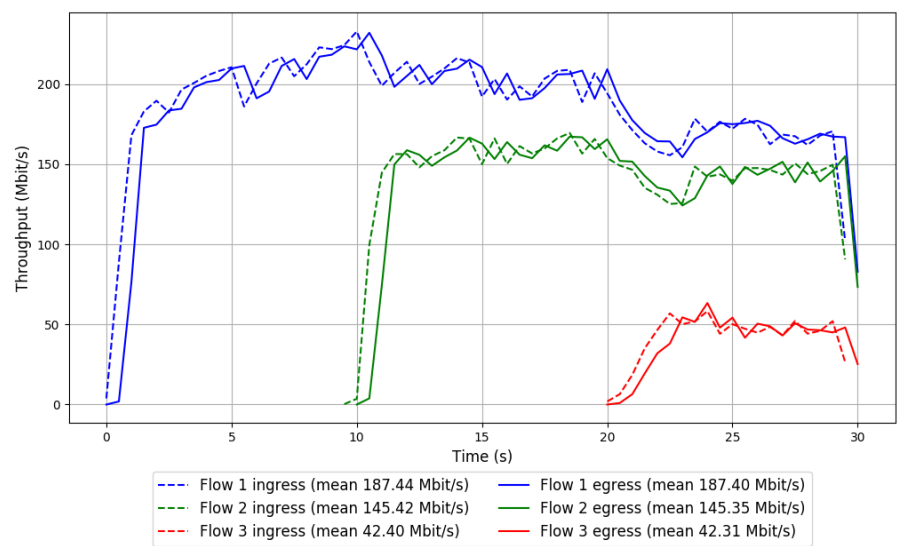


Run 7: Statistics of Indigo

Start at: 2018-07-20 22:44:07
End at: 2018-07-20 22:44:37
Local clock offset: -0.201 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-21 01:38:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 297.55 Mbit/s
95th percentile per-packet one-way delay: 76.706 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 187.40 Mbit/s
95th percentile per-packet one-way delay: 74.644 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 145.35 Mbit/s
95th percentile per-packet one-way delay: 77.401 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 42.31 Mbit/s
95th percentile per-packet one-way delay: 80.670 ms
Loss rate: 1.22%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-20 23:07:53

End at: 2018-07-20 23:08:23

Local clock offset: 0.234 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-21 01:38:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 283.12 Mbit/s

95th percentile per-packet one-way delay: 77.040 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 171.94 Mbit/s

95th percentile per-packet one-way delay: 73.877 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 126.31 Mbit/s

95th percentile per-packet one-way delay: 80.985 ms

Loss rate: 0.54%

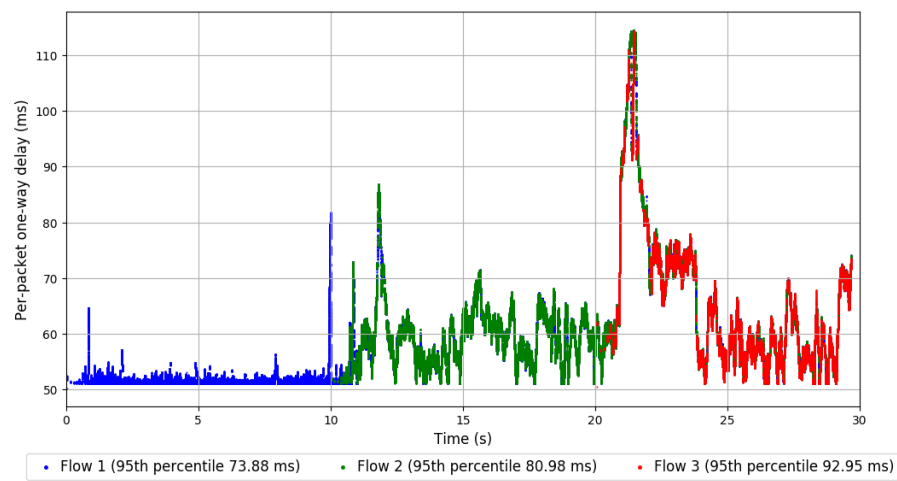
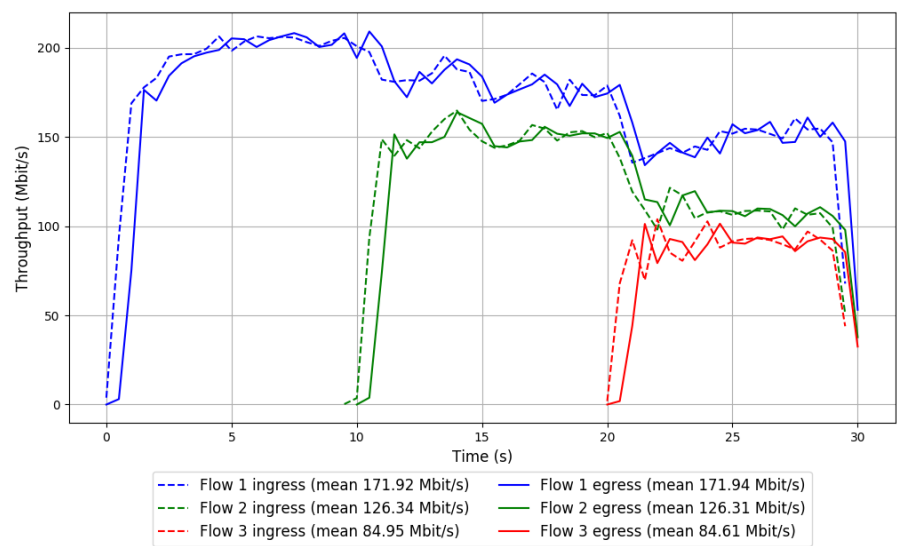
-- Flow 3:

Average throughput: 84.61 Mbit/s

95th percentile per-packet one-way delay: 92.948 ms

Loss rate: 1.43%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-20 23:31:48

End at: 2018-07-20 23:32:18

Local clock offset: -0.206 ms

Remote clock offset: 0.089 ms

Below is generated by plot.py at 2018-07-21 01:38:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 299.91 Mbit/s

95th percentile per-packet one-way delay: 75.259 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 173.65 Mbit/s

95th percentile per-packet one-way delay: 72.352 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 150.25 Mbit/s

95th percentile per-packet one-way delay: 76.164 ms

Loss rate: 0.43%

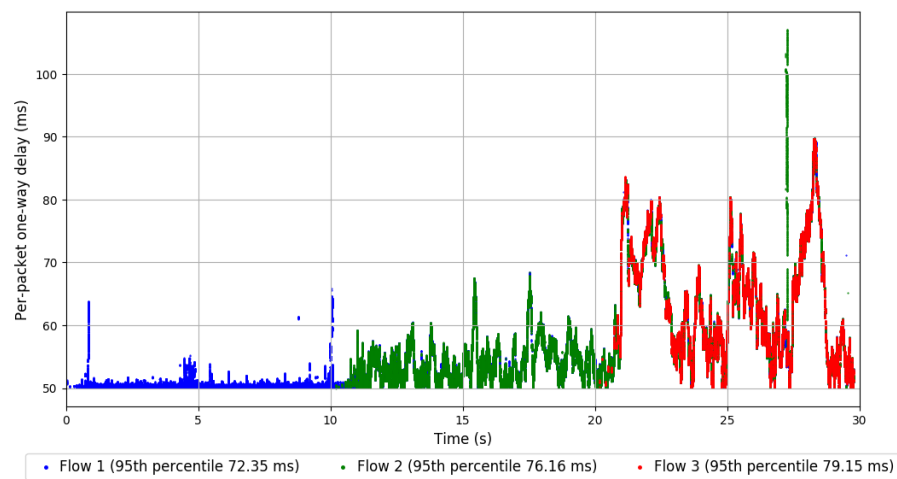
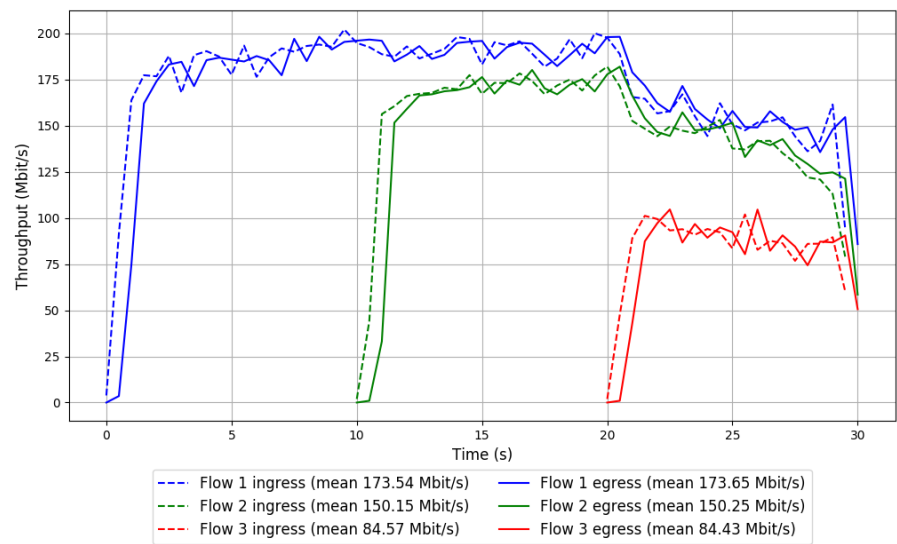
-- Flow 3:

Average throughput: 84.43 Mbit/s

95th percentile per-packet one-way delay: 79.149 ms

Loss rate: 1.20%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-20 23:55:41

End at: 2018-07-20 23:56:11

Local clock offset: -0.06 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-21 01:38:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 271.24 Mbit/s

95th percentile per-packet one-way delay: 88.927 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 156.90 Mbit/s

95th percentile per-packet one-way delay: 85.675 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 125.94 Mbit/s

95th percentile per-packet one-way delay: 89.213 ms

Loss rate: 0.48%

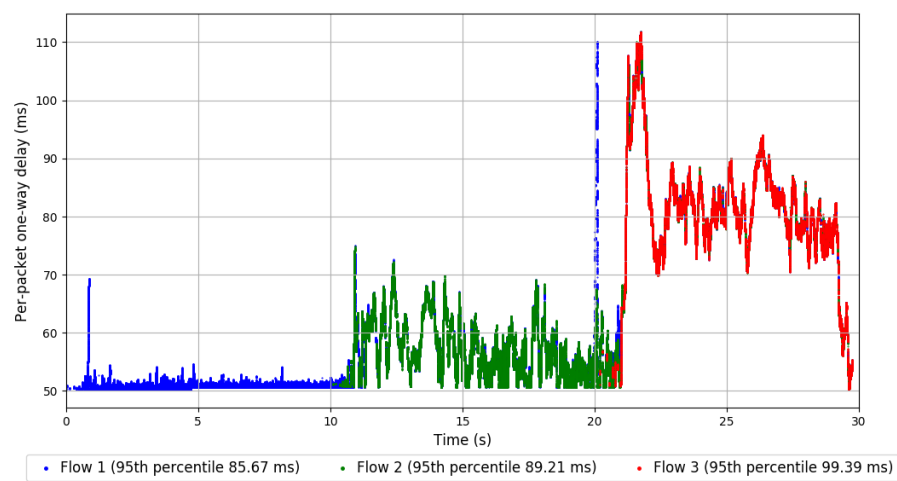
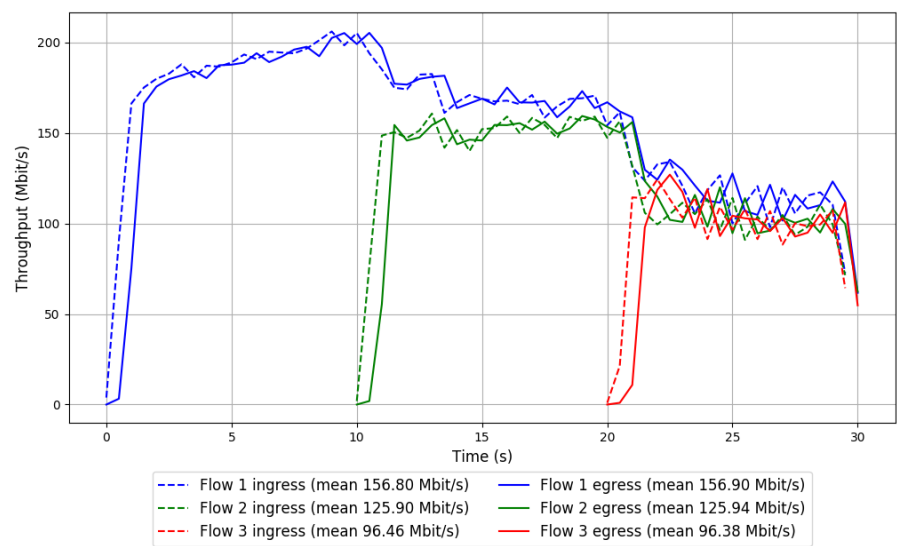
-- Flow 3:

Average throughput: 96.38 Mbit/s

95th percentile per-packet one-way delay: 99.386 ms

Loss rate: 1.21%

Run 10: Report of Indigo — Data Link

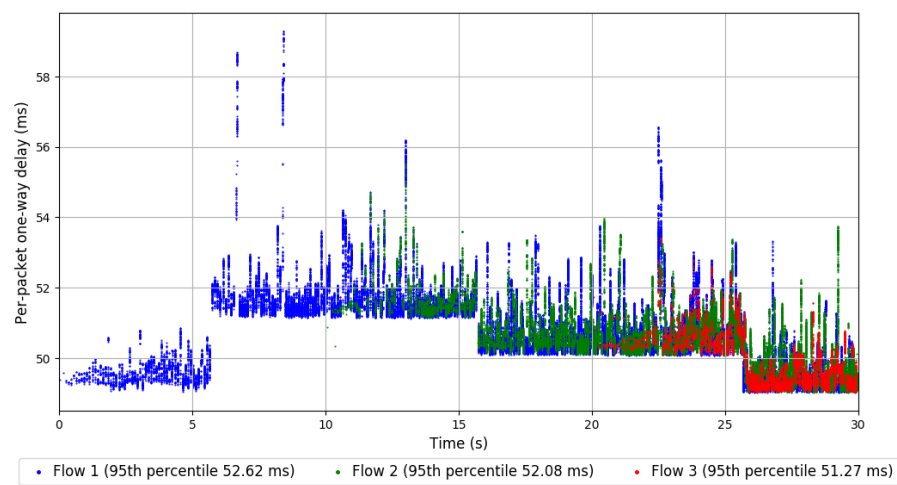
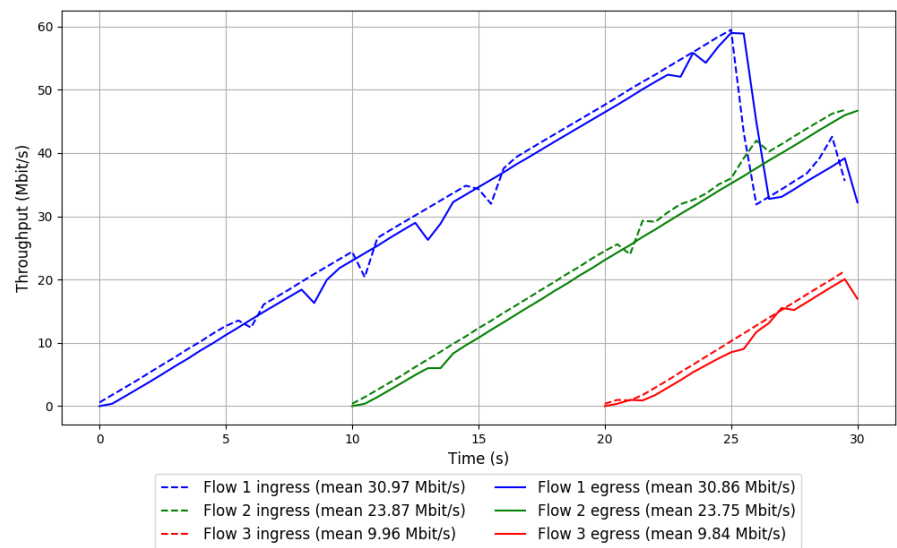


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-20 20:20:20
End at: 2018-07-20 20:20:50
Local clock offset: 0.266 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2018-07-21 01:38:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.89 Mbit/s
95th percentile per-packet one-way delay: 52.433 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 30.86 Mbit/s
95th percentile per-packet one-way delay: 52.617 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 23.75 Mbit/s
95th percentile per-packet one-way delay: 52.080 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 9.84 Mbit/s
95th percentile per-packet one-way delay: 51.269 ms
Loss rate: 2.20%
```


Run 1: Report of LEDBAT — Data Link

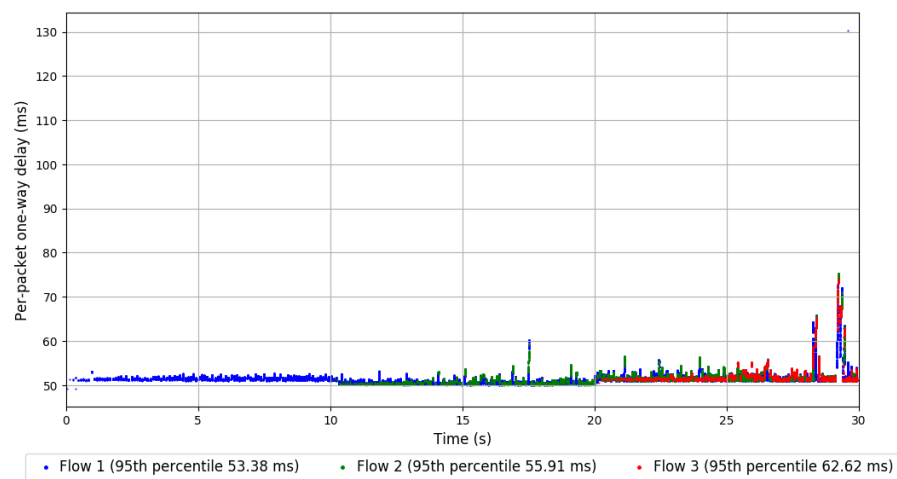
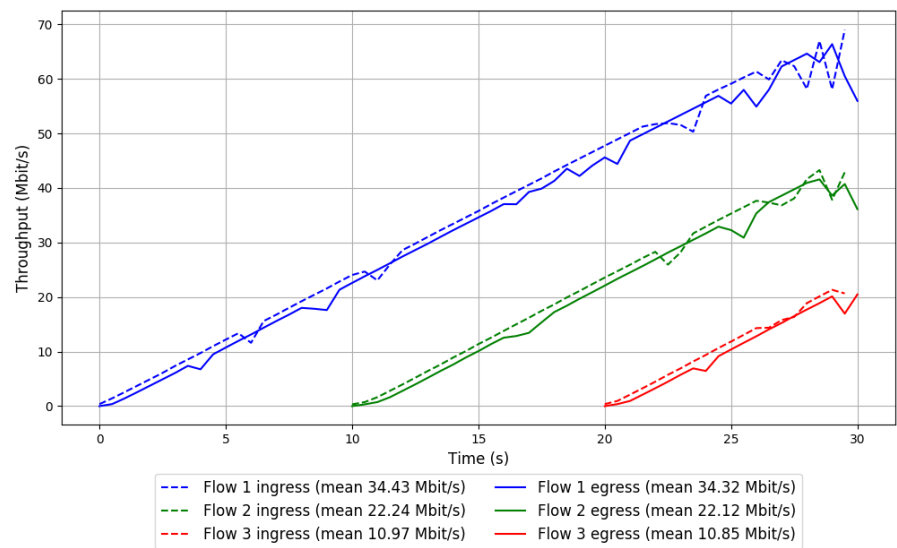


Run 2: Statistics of LEDBAT

Start at: 2018-07-20 20:43:55
End at: 2018-07-20 20:44:25
Local clock offset: 0.207 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-21 01:38:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.56 Mbit/s
95th percentile per-packet one-way delay: 54.584 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 34.32 Mbit/s
95th percentile per-packet one-way delay: 53.379 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 22.12 Mbit/s
95th percentile per-packet one-way delay: 55.906 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 10.85 Mbit/s
95th percentile per-packet one-way delay: 62.621 ms
Loss rate: 2.08%

Run 2: Report of LEDBAT — Data Link

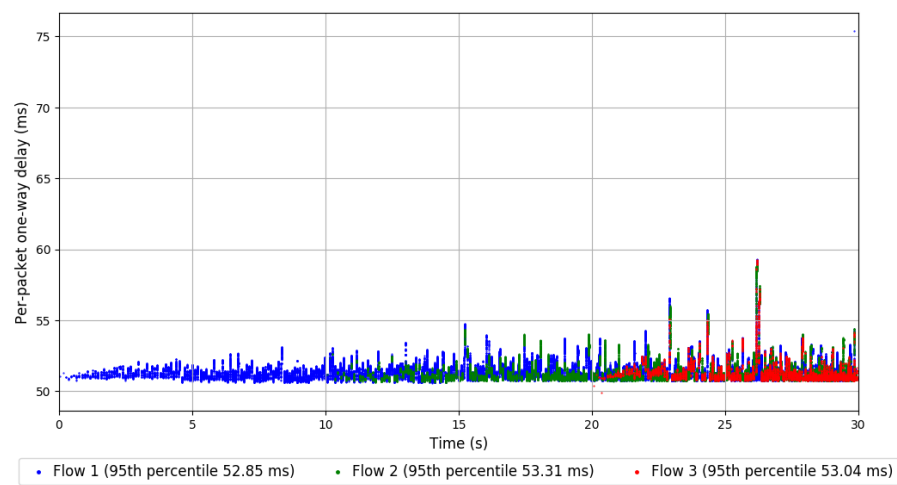
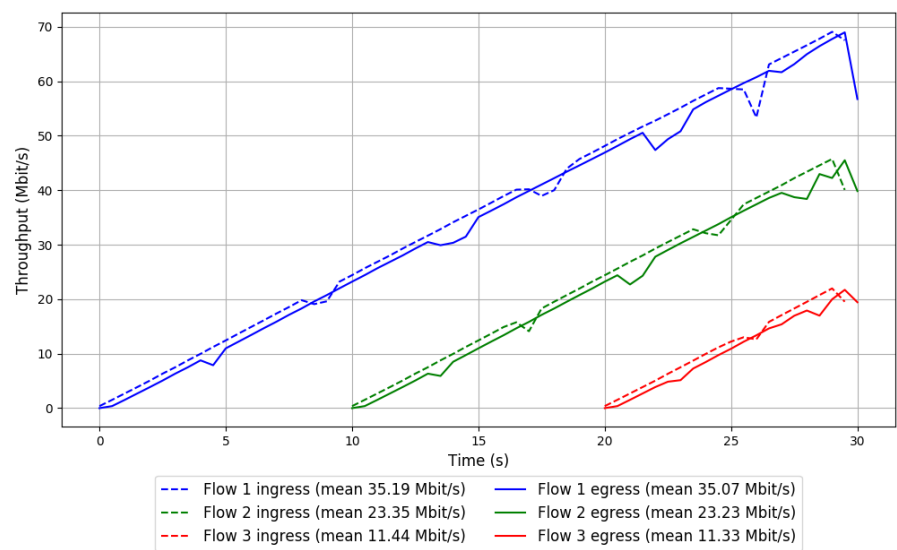


Run 3: Statistics of LEDBAT

Start at: 2018-07-20 21:07:31
End at: 2018-07-20 21:08:01
Local clock offset: -0.15 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-21 01:38:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.23 Mbit/s
95th percentile per-packet one-way delay: 53.015 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 35.07 Mbit/s
95th percentile per-packet one-way delay: 52.848 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 23.23 Mbit/s
95th percentile per-packet one-way delay: 53.310 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 11.33 Mbit/s
95th percentile per-packet one-way delay: 53.042 ms
Loss rate: 2.02%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-20 21:31:19

End at: 2018-07-20 21:31:49

Local clock offset: -0.088 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-07-21 01:38:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.73 Mbit/s

95th percentile per-packet one-way delay: 52.119 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 35.08 Mbit/s

95th percentile per-packet one-way delay: 51.965 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 23.64 Mbit/s

95th percentile per-packet one-way delay: 52.429 ms

Loss rate: 1.00%

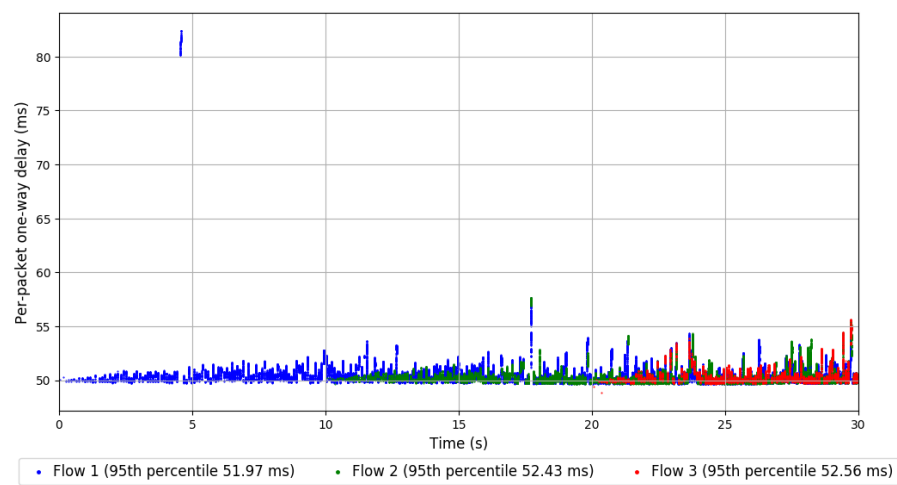
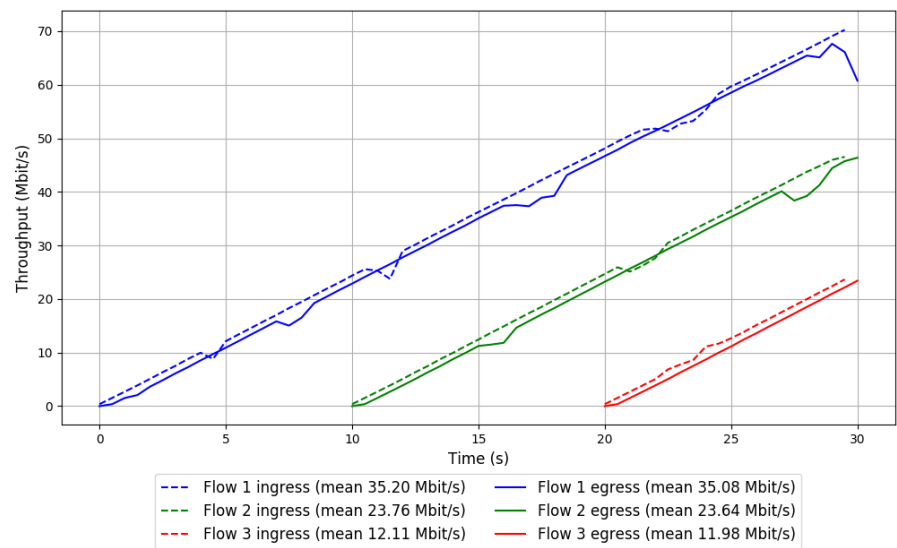
-- Flow 3:

Average throughput: 11.98 Mbit/s

95th percentile per-packet one-way delay: 52.564 ms

Loss rate: 2.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-20 21:55:12

End at: 2018-07-20 21:55:42

Local clock offset: -0.451 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-07-21 01:38:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.79 Mbit/s

95th percentile per-packet one-way delay: 53.760 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 34.67 Mbit/s

95th percentile per-packet one-way delay: 53.557 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 23.17 Mbit/s

95th percentile per-packet one-way delay: 54.268 ms

Loss rate: 1.01%

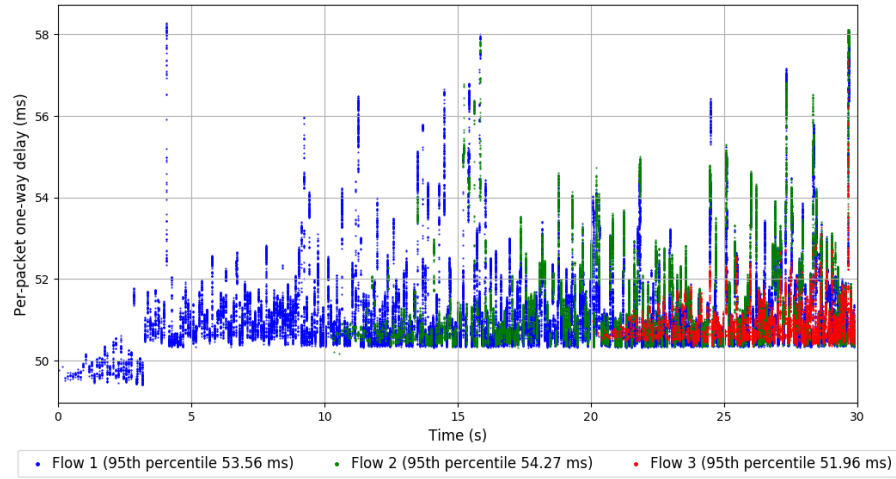
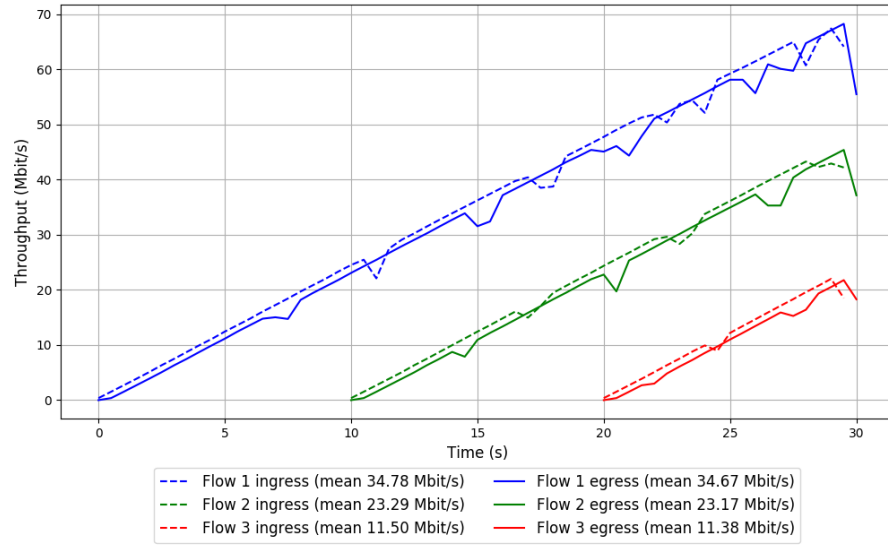
-- Flow 3:

Average throughput: 11.38 Mbit/s

95th percentile per-packet one-way delay: 51.956 ms

Loss rate: 2.06%

Run 5: Report of LEDBAT — Data Link

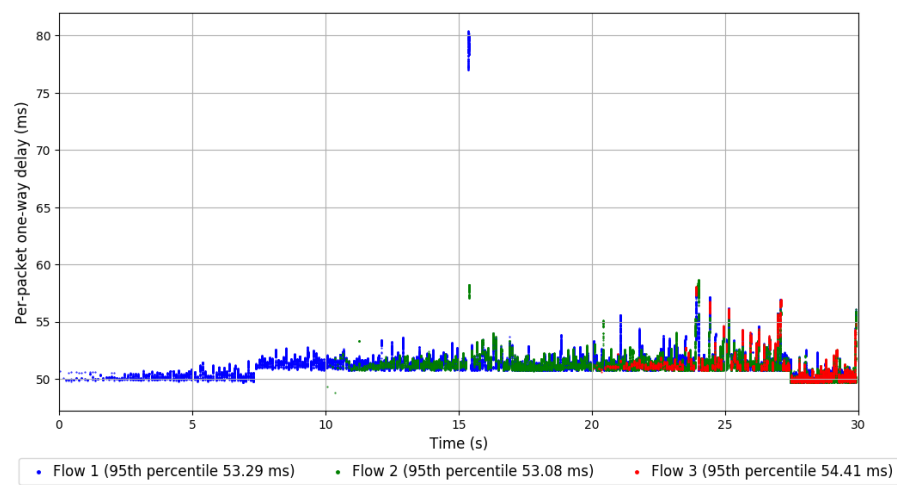
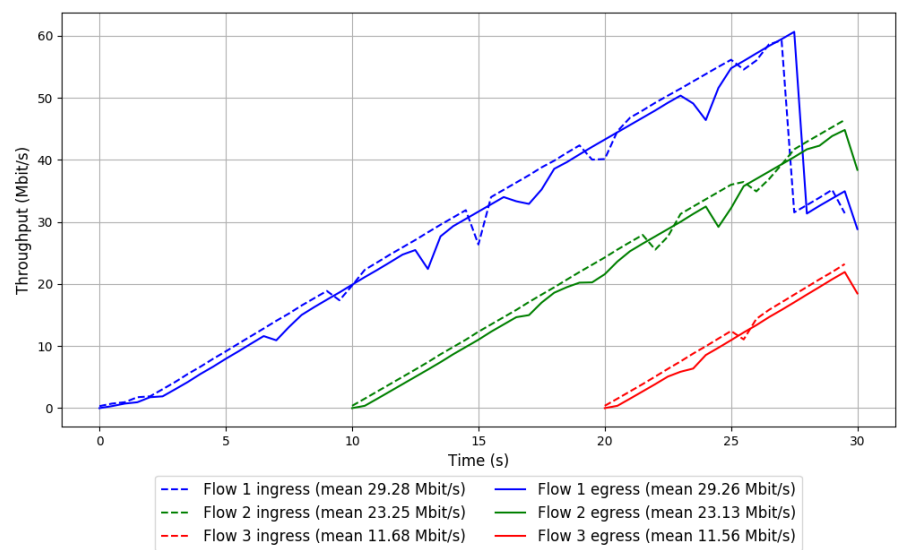


Run 6: Statistics of LEDBAT

Start at: 2018-07-20 22:19:08
End at: 2018-07-20 22:19:38
Local clock offset: -0.126 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-21 01:38:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.42 Mbit/s
95th percentile per-packet one-way delay: 53.308 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 29.26 Mbit/s
95th percentile per-packet one-way delay: 53.292 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 23.13 Mbit/s
95th percentile per-packet one-way delay: 53.080 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 11.56 Mbit/s
95th percentile per-packet one-way delay: 54.405 ms
Loss rate: 2.04%

Run 6: Report of LEDBAT — Data Link

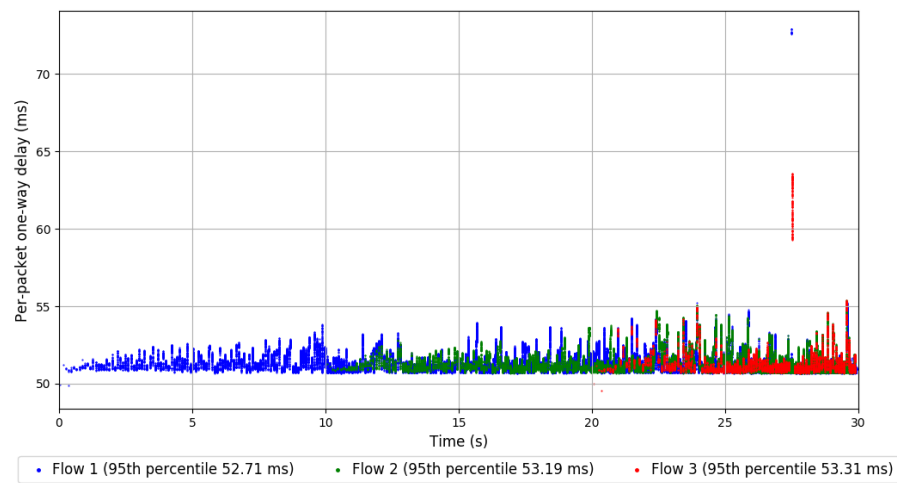
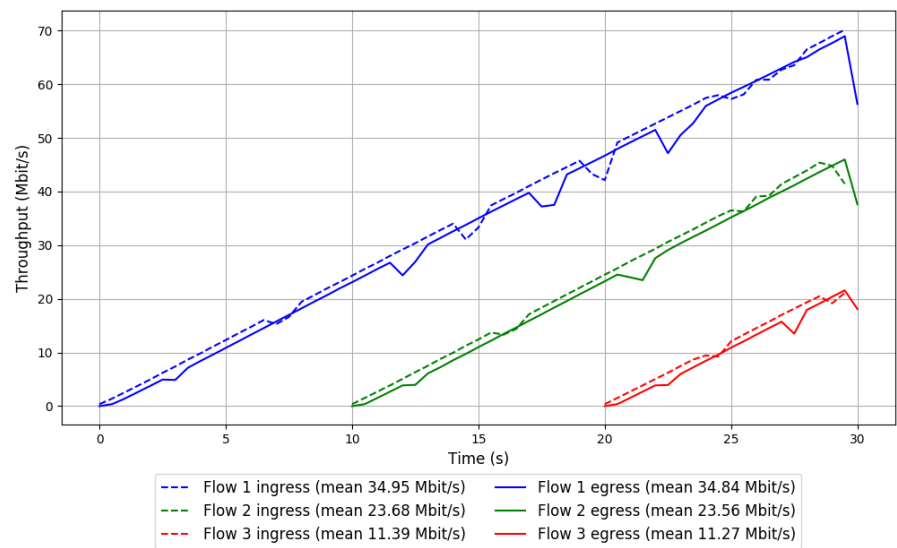


Run 7: Statistics of LEDBAT

Start at: 2018-07-20 22:42:56
End at: 2018-07-20 22:43:26
Local clock offset: -0.145 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-21 01:38:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.15 Mbit/s
95th percentile per-packet one-way delay: 52.906 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 34.84 Mbit/s
95th percentile per-packet one-way delay: 52.712 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 23.56 Mbit/s
95th percentile per-packet one-way delay: 53.193 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 11.27 Mbit/s
95th percentile per-packet one-way delay: 53.315 ms
Loss rate: 2.06%

Run 7: Report of LEDBAT — Data Link

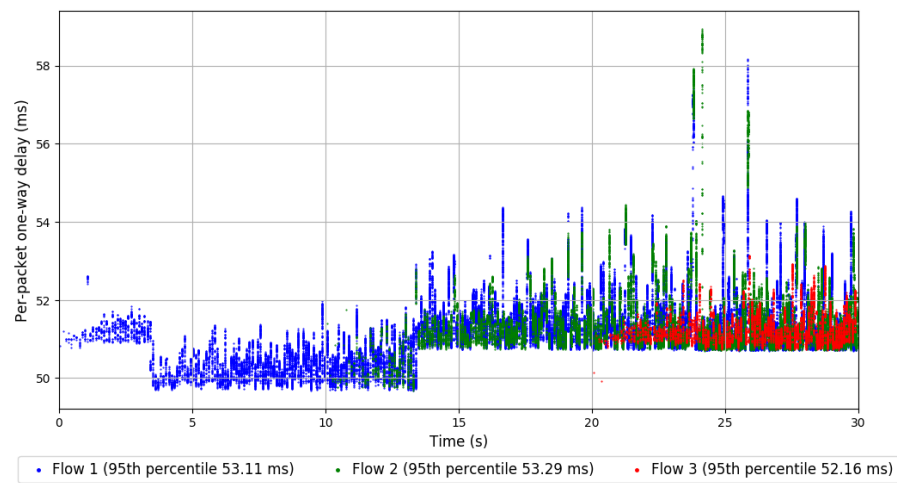
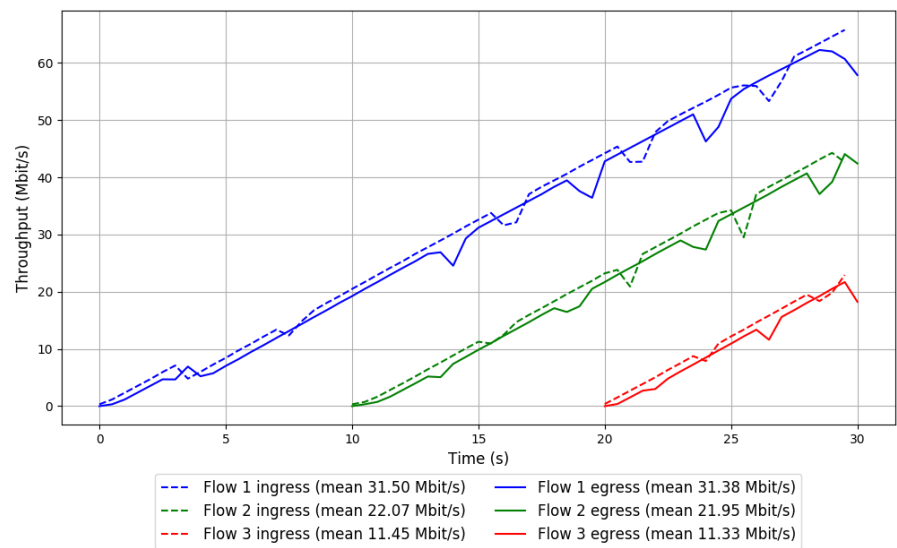


Run 8: Statistics of LEDBAT

Start at: 2018-07-20 23:06:42
End at: 2018-07-20 23:07:12
Local clock offset: -0.137 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-21 01:38:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.69 Mbit/s
95th percentile per-packet one-way delay: 53.103 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 31.38 Mbit/s
95th percentile per-packet one-way delay: 53.106 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 21.95 Mbit/s
95th percentile per-packet one-way delay: 53.290 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 11.33 Mbit/s
95th percentile per-packet one-way delay: 52.162 ms
Loss rate: 2.07%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-20 23:30:36

End at: 2018-07-20 23:31:06

Local clock offset: -0.114 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-07-21 01:38:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.01 Mbit/s

95th percentile per-packet one-way delay: 52.518 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 35.38 Mbit/s

95th percentile per-packet one-way delay: 52.647 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 23.28 Mbit/s

95th percentile per-packet one-way delay: 52.270 ms

Loss rate: 1.02%

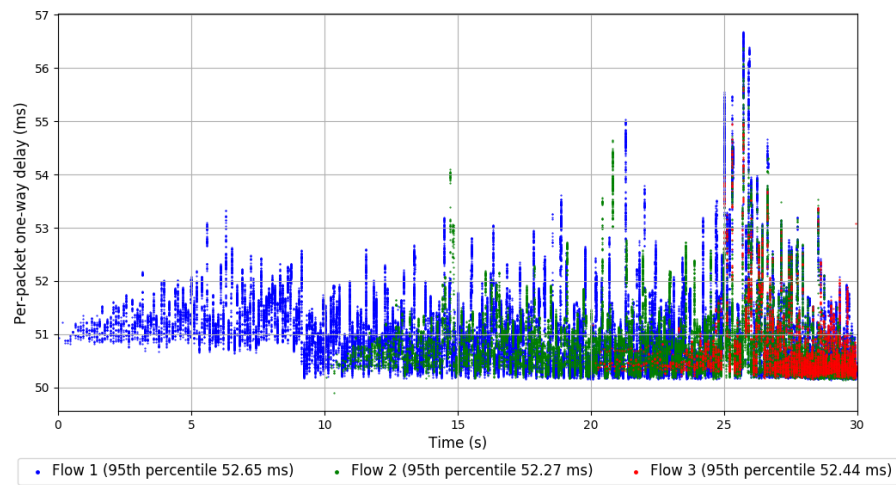
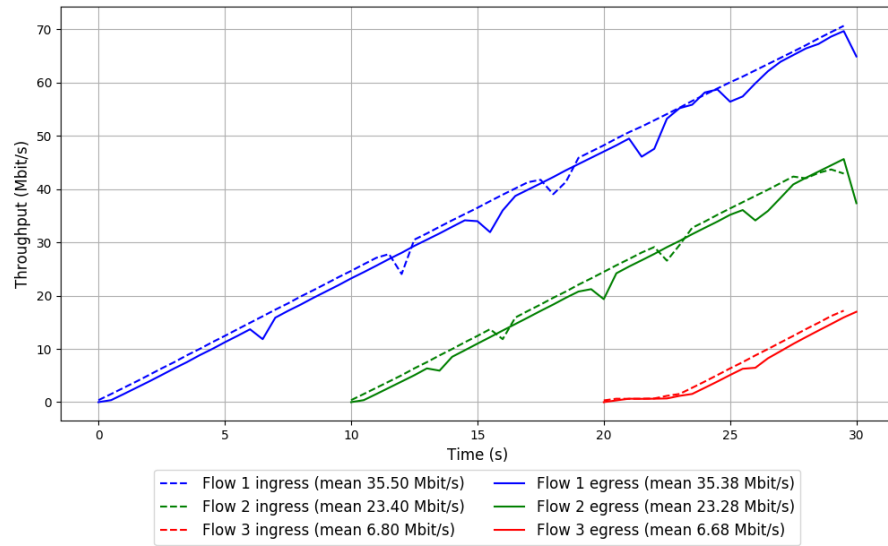
-- Flow 3:

Average throughput: 6.68 Mbit/s

95th percentile per-packet one-way delay: 52.436 ms

Loss rate: 2.61%

Run 9: Report of LEDBAT — Data Link

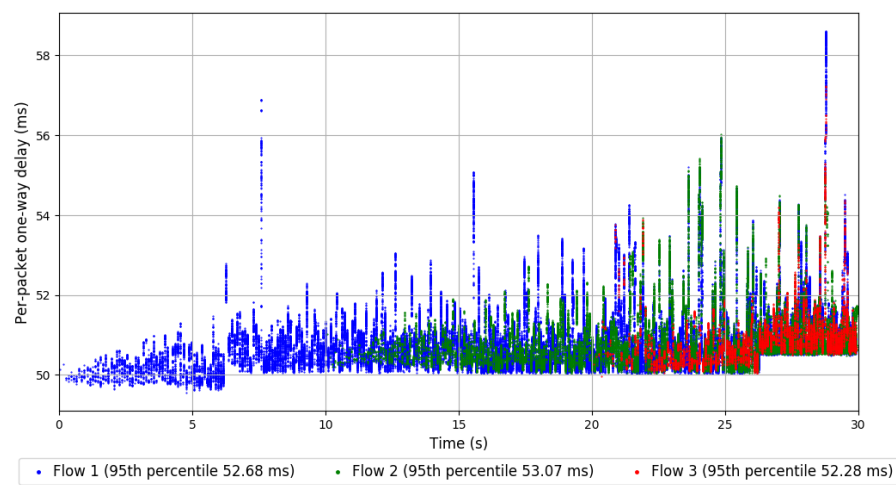
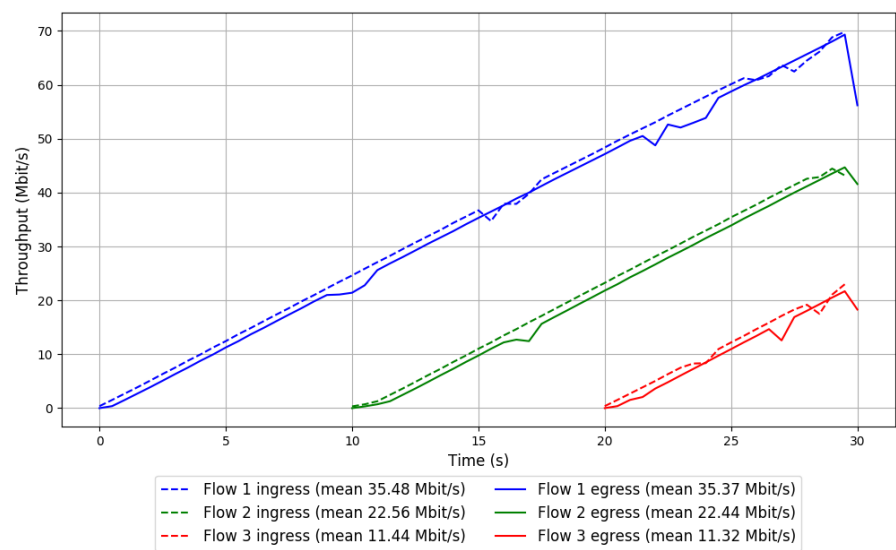


```
Run 10: Statistics of LEDBAT

Start at: 2018-07-20 23:54:29
End at: 2018-07-20 23:54:59
Local clock offset: -0.098 ms
Remote clock offset: 0.053 ms

# Below is generated by plot.py at 2018-07-21 01:38:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.98 Mbit/s
95th percentile per-packet one-way delay: 52.793 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 35.37 Mbit/s
95th percentile per-packet one-way delay: 52.683 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 22.44 Mbit/s
95th percentile per-packet one-way delay: 53.073 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 11.32 Mbit/s
95th percentile per-packet one-way delay: 52.277 ms
Loss rate: 2.07%
```

Run 10: Report of LEDBAT — Data Link

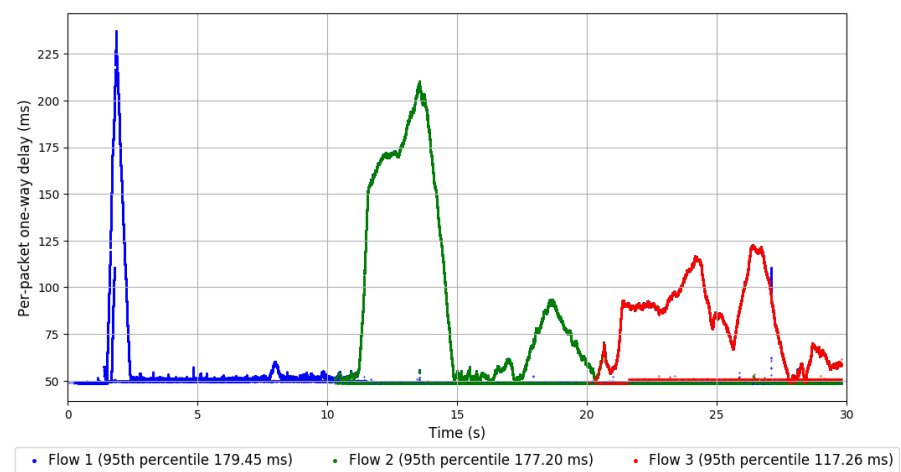
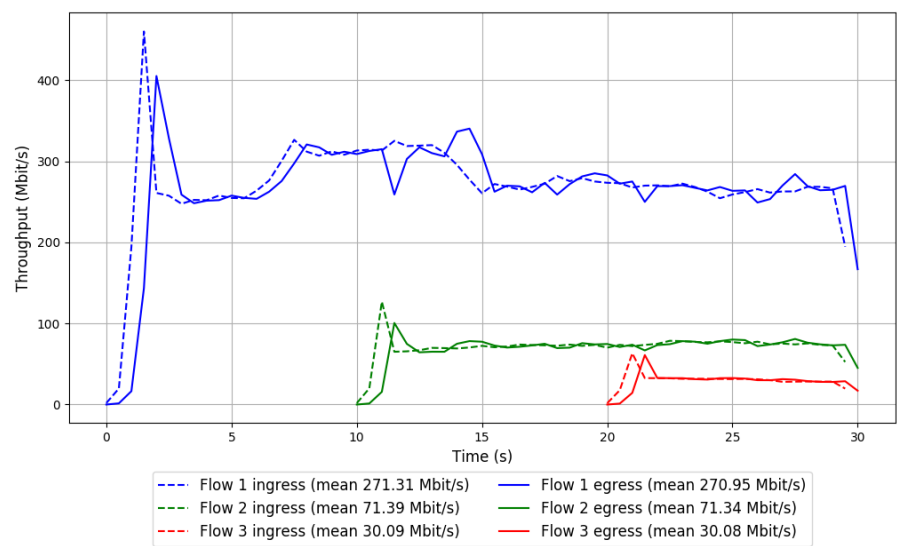


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-20 20:10:14
End at: 2018-07-20 20:10:44
Local clock offset: -0.123 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2018-07-21 01:39:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 328.11 Mbit/s
95th percentile per-packet one-way delay: 177.470 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 270.95 Mbit/s
95th percentile per-packet one-way delay: 179.446 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 71.34 Mbit/s
95th percentile per-packet one-way delay: 177.196 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 30.08 Mbit/s
95th percentile per-packet one-way delay: 117.258 ms
Loss rate: 1.00%
```

Run 1: Report of PCC-Allegro — Data Link

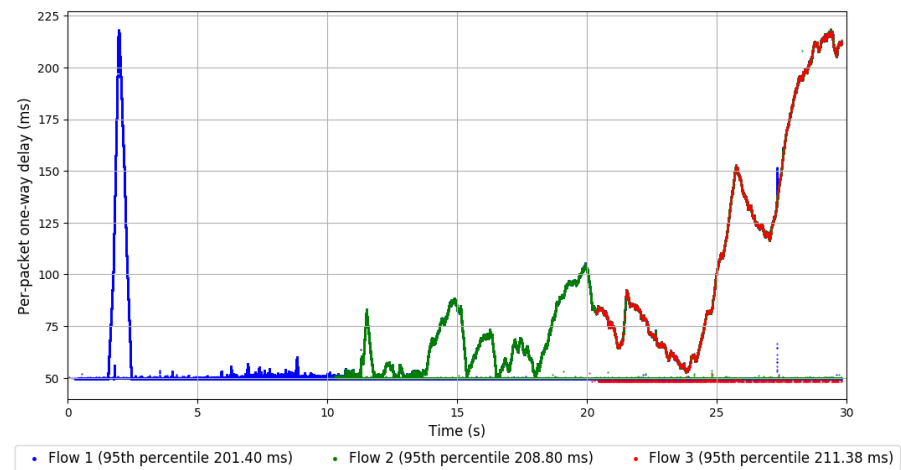
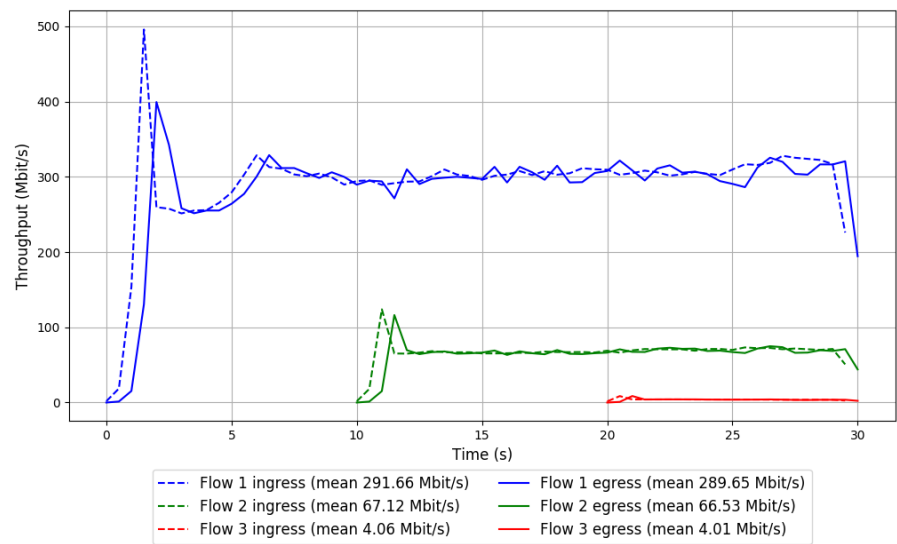


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-20 20:33:48
End at: 2018-07-20 20:34:18
Local clock offset: -0.445 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-21 01:39:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 335.09 Mbit/s
95th percentile per-packet one-way delay: 202.600 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 289.65 Mbit/s
95th percentile per-packet one-way delay: 201.399 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 66.53 Mbit/s
95th percentile per-packet one-way delay: 208.797 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 211.375 ms
Loss rate: 2.36%

Run 2: Report of PCC-Allegro — Data Link

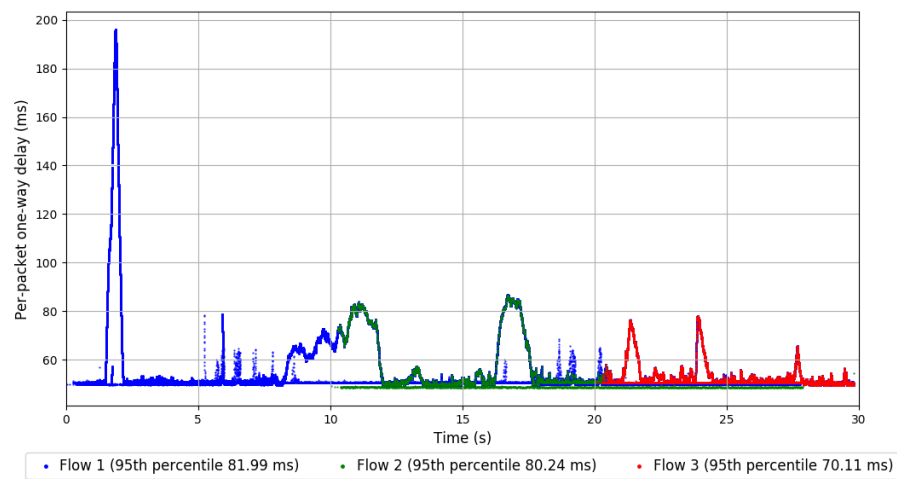
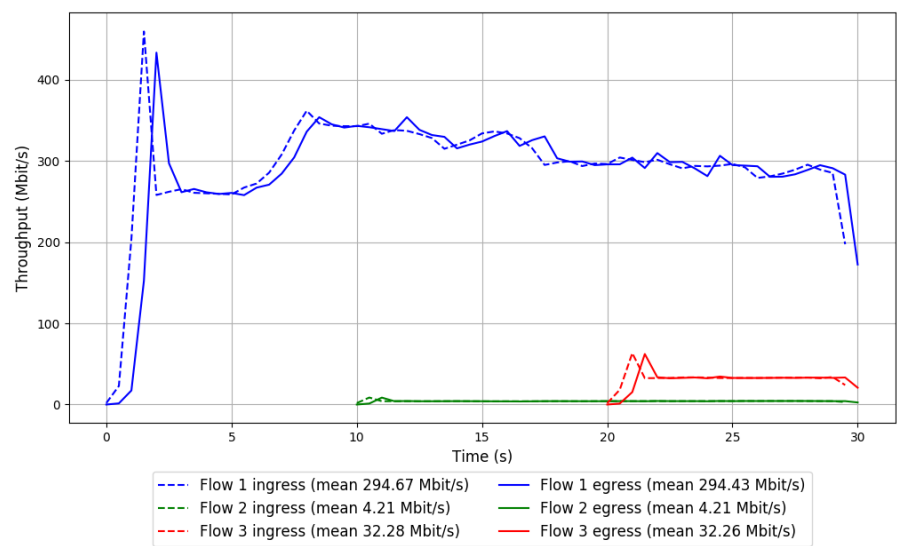


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-20 20:57:17
End at: 2018-07-20 20:57:47
Local clock offset: -0.175 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-21 01:39:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 307.73 Mbit/s
95th percentile per-packet one-way delay: 81.773 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 294.43 Mbit/s
95th percentile per-packet one-way delay: 81.992 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 80.242 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 32.26 Mbit/s
95th percentile per-packet one-way delay: 70.109 ms
Loss rate: 1.09%

Run 3: Report of PCC-Allegro — Data Link

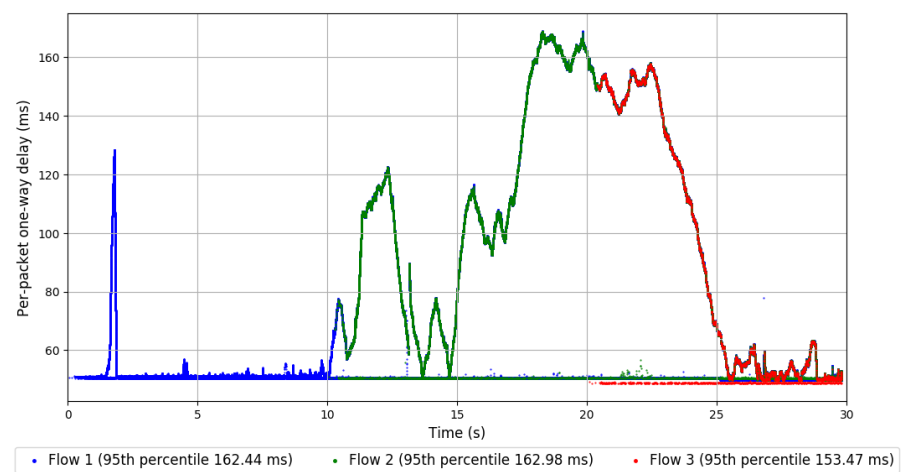
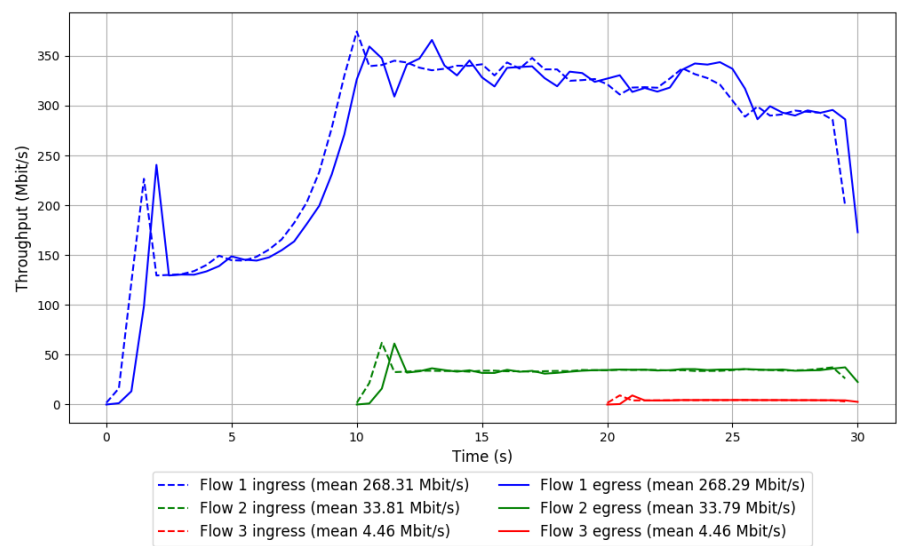


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-20 21:21:10
End at: 2018-07-20 21:21:40
Local clock offset: -0.083 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-21 01:39:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 292.17 Mbit/s
95th percentile per-packet one-way delay: 162.474 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 268.29 Mbit/s
95th percentile per-packet one-way delay: 162.439 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 33.79 Mbit/s
95th percentile per-packet one-way delay: 162.983 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 153.471 ms
Loss rate: 0.95%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-20 21:44:51

End at: 2018-07-20 21:45:21

Local clock offset: -0.069 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-07-21 01:40:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 310.66 Mbit/s

95th percentile per-packet one-way delay: 75.163 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 288.34 Mbit/s

95th percentile per-packet one-way delay: 75.091 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 17.95 Mbit/s

95th percentile per-packet one-way delay: 70.851 ms

Loss rate: 0.55%

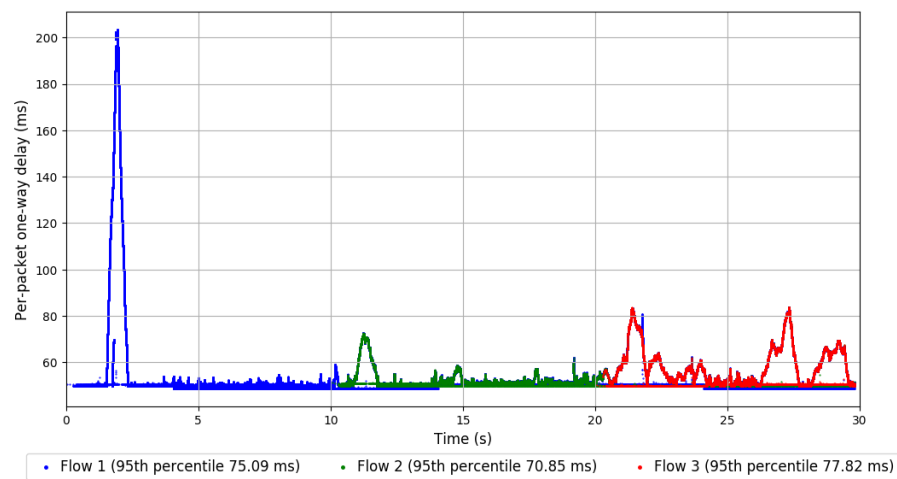
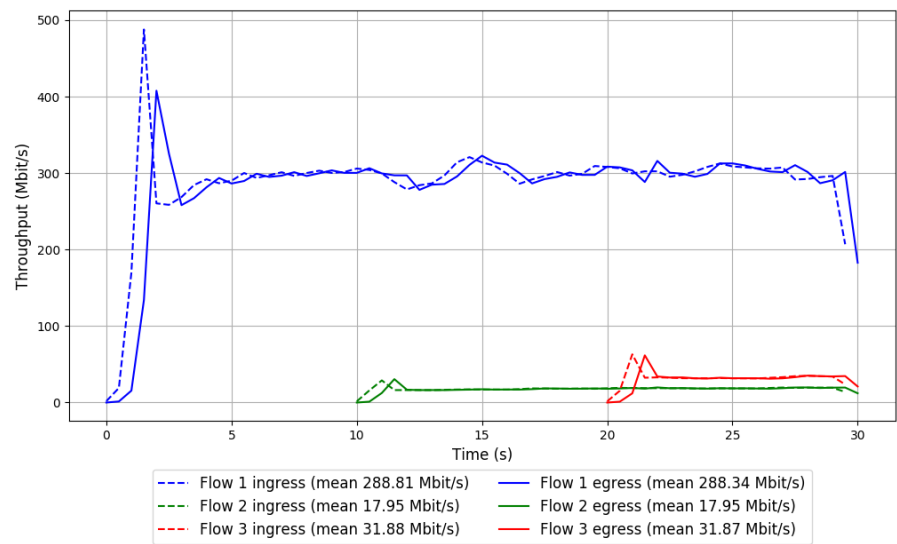
-- Flow 3:

Average throughput: 31.87 Mbit/s

95th percentile per-packet one-way delay: 77.821 ms

Loss rate: 1.03%

Run 5: Report of PCC-Allegro — Data Link

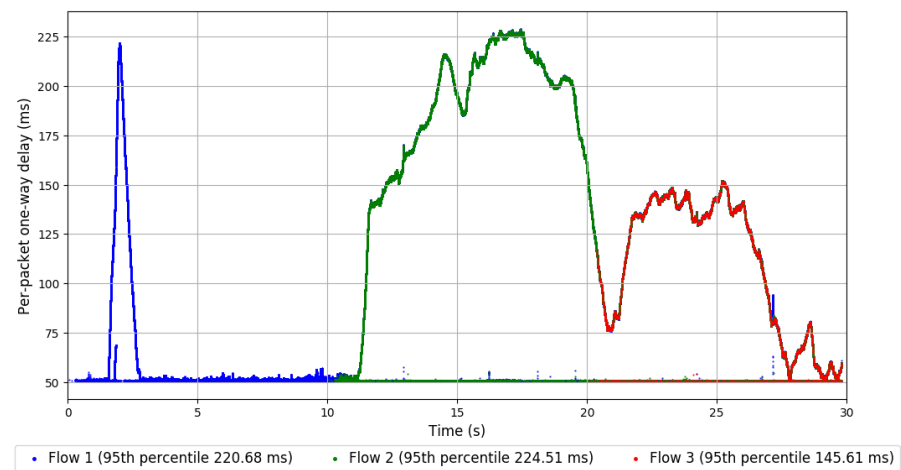
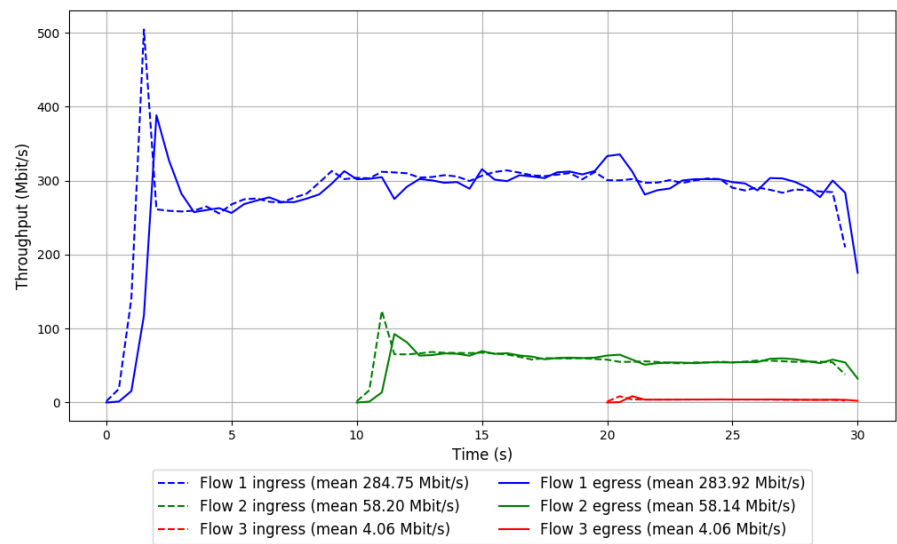


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-20 22:08:45
End at: 2018-07-20 22:09:15
Local clock offset: -0.079 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-21 01:42:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 323.82 Mbit/s
95th percentile per-packet one-way delay: 222.264 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 283.92 Mbit/s
95th percentile per-packet one-way delay: 220.678 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 58.14 Mbit/s
95th percentile per-packet one-way delay: 224.513 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 145.614 ms
Loss rate: 1.01%

Run 6: Report of PCC-Allegro — Data Link

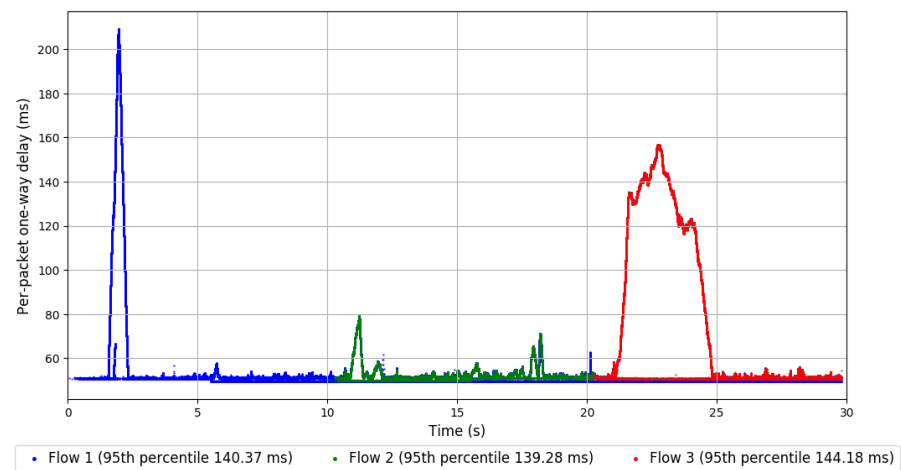
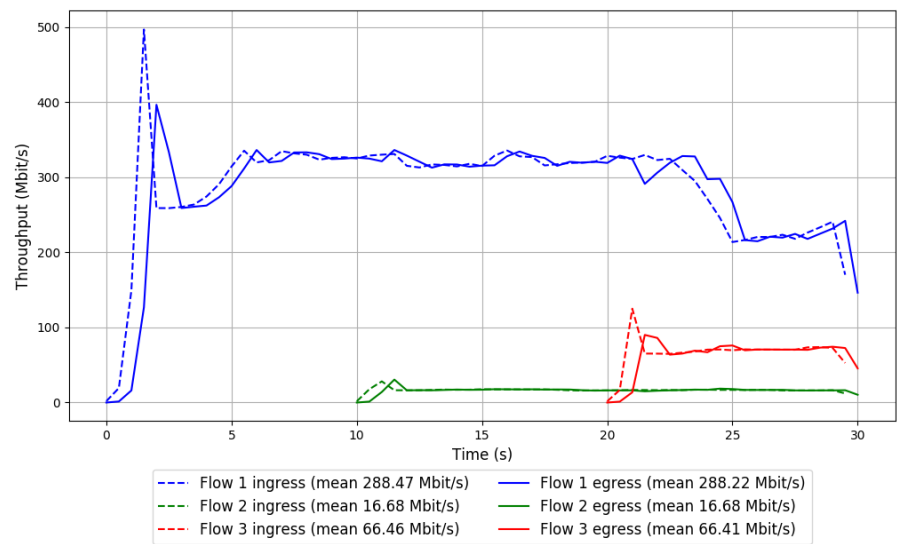


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-20 22:32:40
End at: 2018-07-20 22:33:10
Local clock offset: -0.097 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-21 01:42:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 321.03 Mbit/s
95th percentile per-packet one-way delay: 140.950 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 288.22 Mbit/s
95th percentile per-packet one-way delay: 140.374 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 16.68 Mbit/s
95th percentile per-packet one-way delay: 139.278 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 66.41 Mbit/s
95th percentile per-packet one-way delay: 144.176 ms
Loss rate: 1.11%

Run 7: Report of PCC-Allegro — Data Link

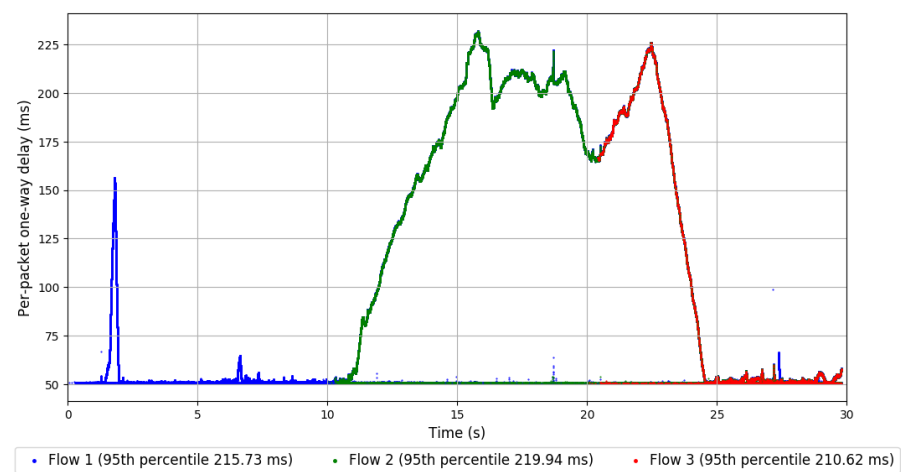
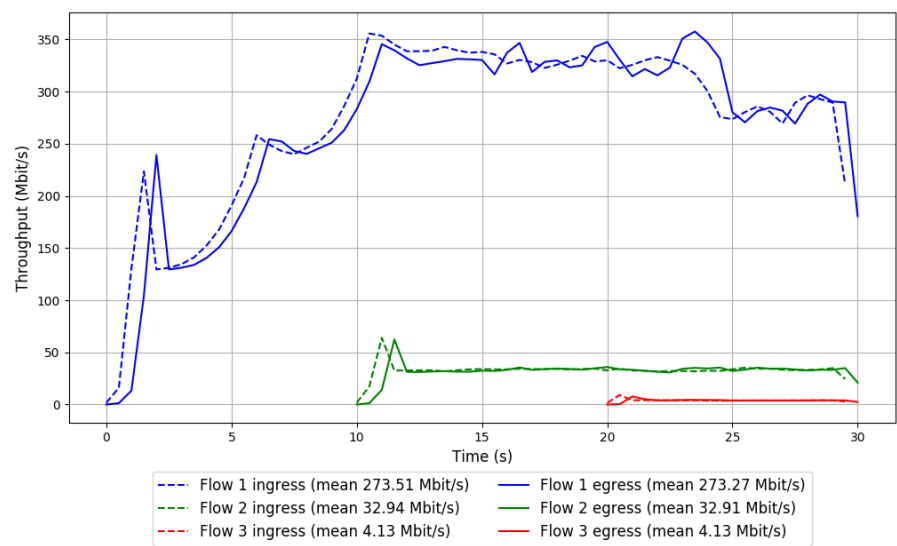


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-20 22:56:29
End at: 2018-07-20 22:56:59
Local clock offset: -0.169 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-21 01:43:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 296.46 Mbit/s
95th percentile per-packet one-way delay: 216.054 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 273.27 Mbit/s
95th percentile per-packet one-way delay: 215.727 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 32.91 Mbit/s
95th percentile per-packet one-way delay: 219.944 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 210.620 ms
Loss rate: 1.06%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-20 23:20:18

End at: 2018-07-20 23:20:48

Local clock offset: 0.187 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-07-21 01:44:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 306.13 Mbit/s

95th percentile per-packet one-way delay: 191.266 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 243.63 Mbit/s

95th percentile per-packet one-way delay: 183.881 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 65.76 Mbit/s

95th percentile per-packet one-way delay: 196.557 ms

Loss rate: 0.71%

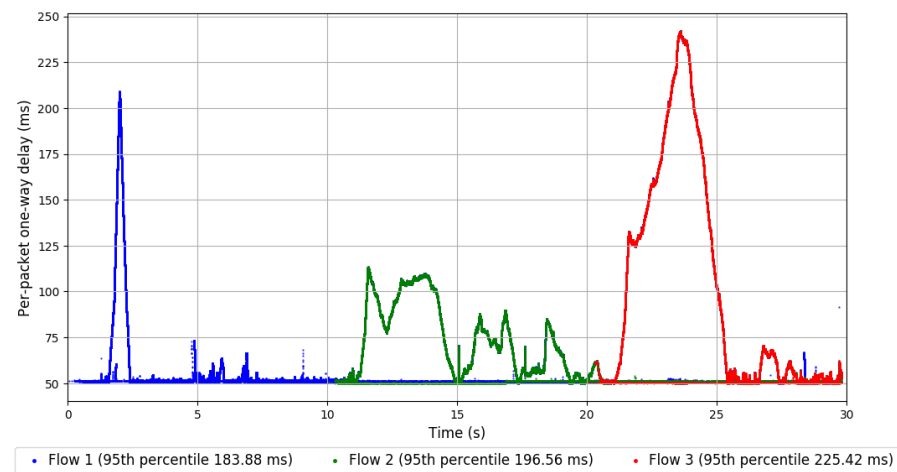
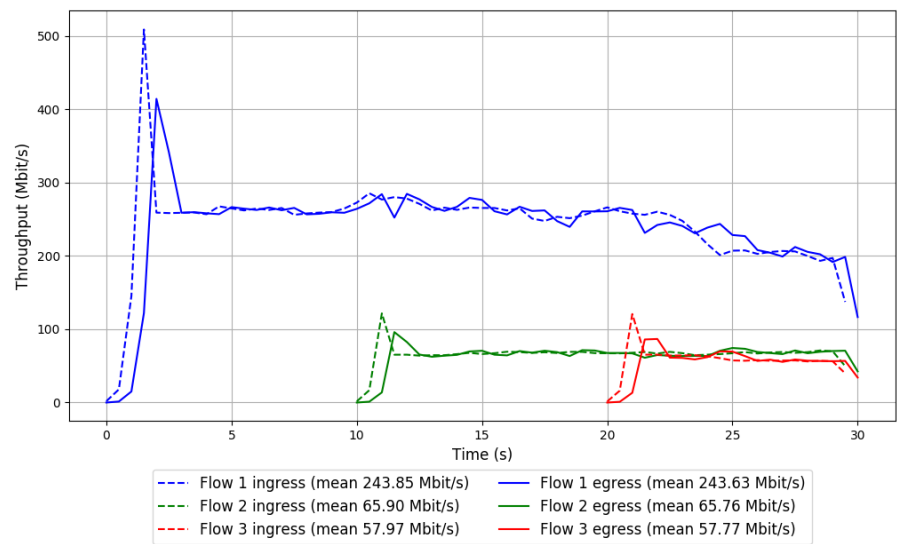
-- Flow 3:

Average throughput: 57.77 Mbit/s

95th percentile per-packet one-way delay: 225.424 ms

Loss rate: 1.37%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-20 23:44:21

End at: 2018-07-20 23:44:51

Local clock offset: -0.482 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-21 01:45:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 338.74 Mbit/s

95th percentile per-packet one-way delay: 224.820 ms

Loss rate: 1.68%

-- Flow 1:

Average throughput: 298.71 Mbit/s

95th percentile per-packet one-way delay: 224.361 ms

Loss rate: 1.42%

-- Flow 2:

Average throughput: 31.29 Mbit/s

95th percentile per-packet one-way delay: 225.994 ms

Loss rate: 2.31%

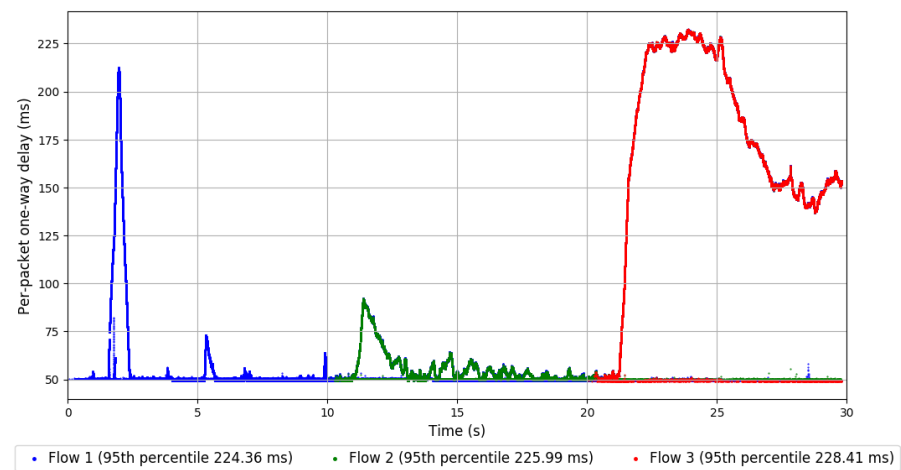
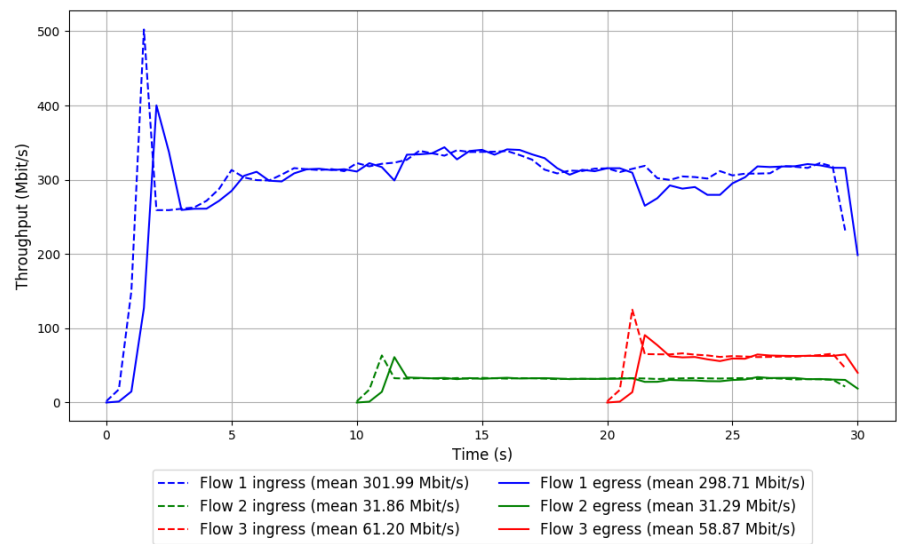
-- Flow 3:

Average throughput: 58.87 Mbit/s

95th percentile per-packet one-way delay: 228.411 ms

Loss rate: 4.79%

Run 10: Report of PCC-Allegro — Data Link

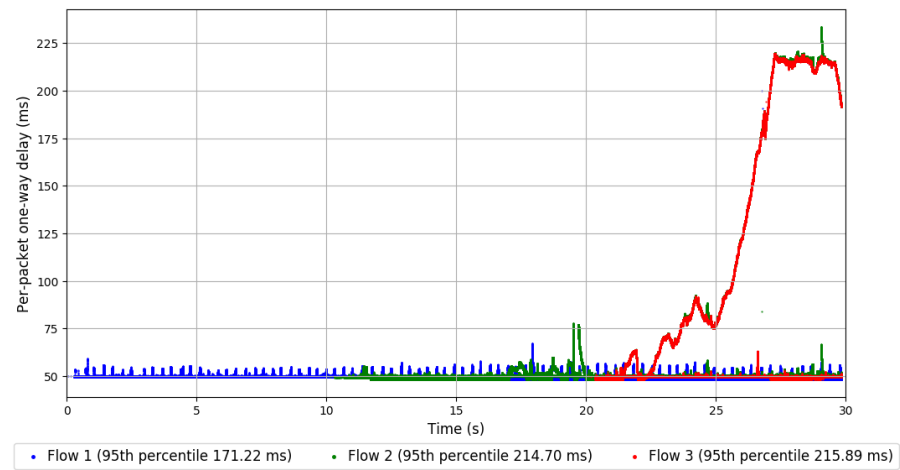
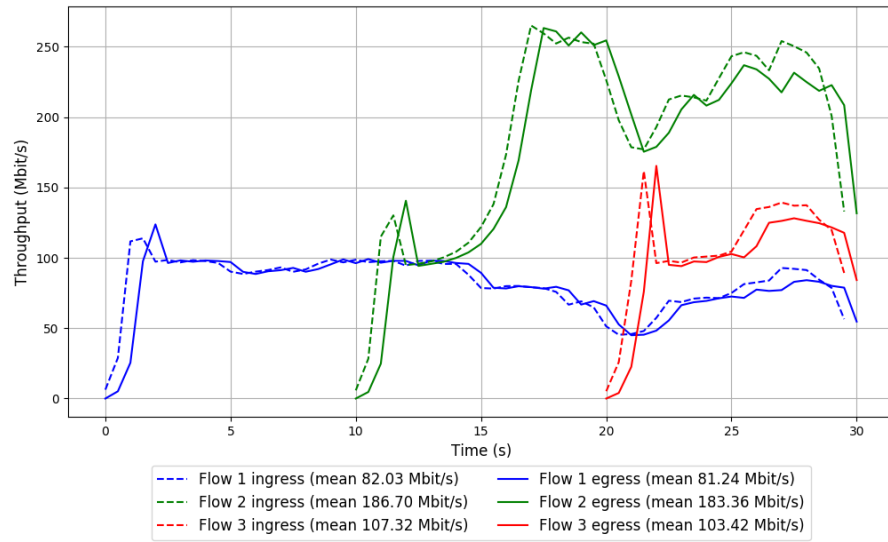


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-20 20:17:04
End at: 2018-07-20 20:17:34
Local clock offset: -0.402 ms
Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-07-21 01:47:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 236.83 Mbit/s
95th percentile per-packet one-way delay: 214.521 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 81.24 Mbit/s
95th percentile per-packet one-way delay: 171.222 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 183.36 Mbit/s
95th percentile per-packet one-way delay: 214.696 ms
Loss rate: 2.28%
-- Flow 3:
Average throughput: 103.42 Mbit/s
95th percentile per-packet one-way delay: 215.887 ms
Loss rate: 4.61%
```


Run 1: Report of PCC-Expr — Data Link

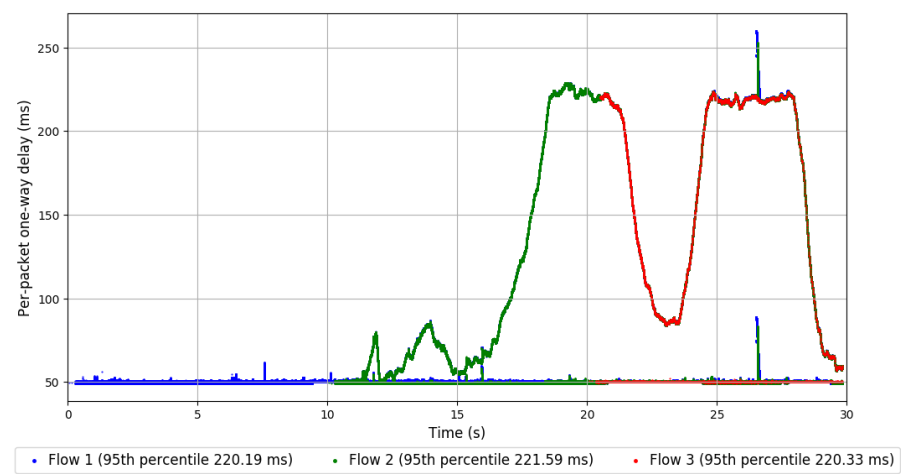
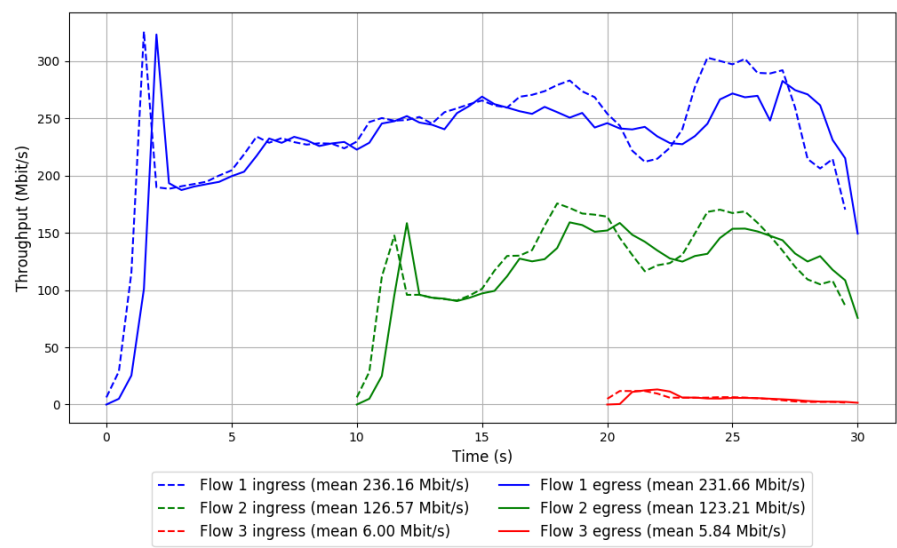


Run 2: Statistics of PCC-Expr

Start at: 2018-07-20 20:40:36
End at: 2018-07-20 20:41:06
Local clock offset: -0.443 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-21 01:49:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 315.40 Mbit/s
95th percentile per-packet one-way delay: 220.635 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 231.66 Mbit/s
95th percentile per-packet one-way delay: 220.194 ms
Loss rate: 2.24%
-- Flow 2:
Average throughput: 123.21 Mbit/s
95th percentile per-packet one-way delay: 221.590 ms
Loss rate: 3.16%
-- Flow 3:
Average throughput: 5.84 Mbit/s
95th percentile per-packet one-way delay: 220.326 ms
Loss rate: 3.59%

Run 2: Report of PCC-Expr — Data Link

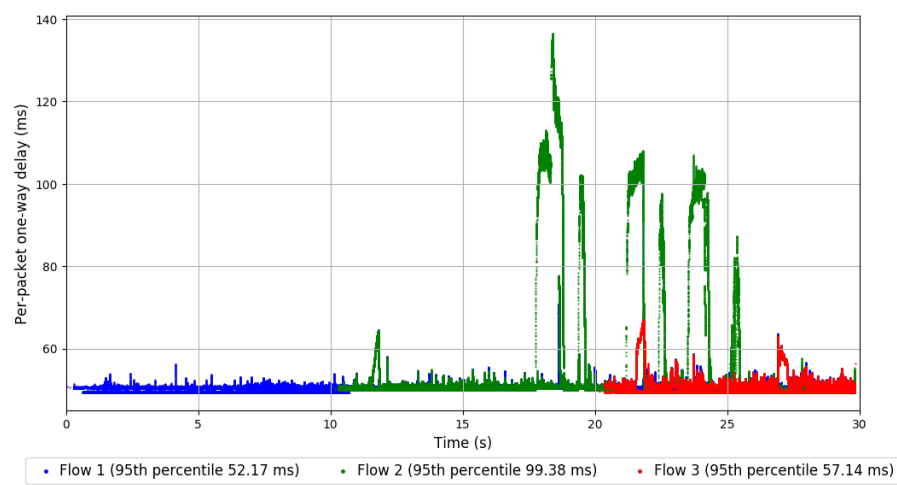
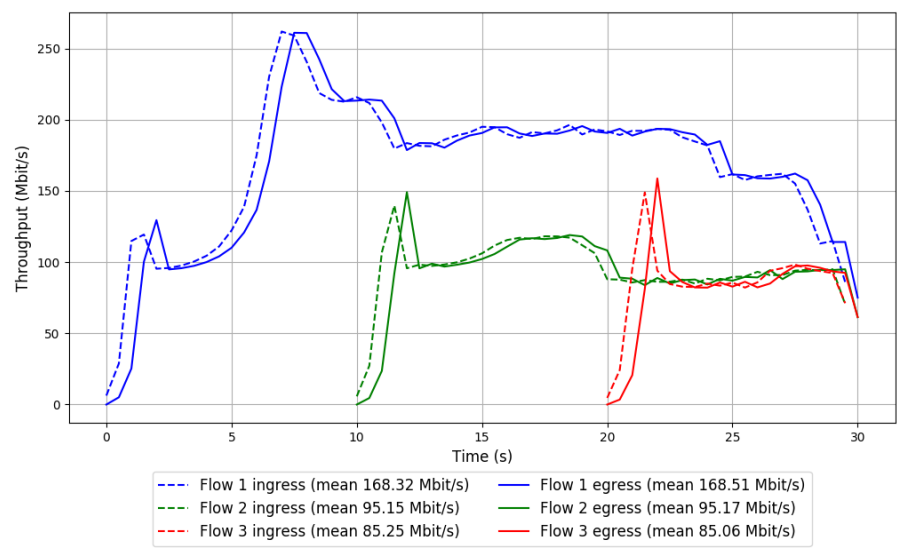


Run 3: Statistics of PCC-Expr

Start at: 2018-07-20 21:04:05
End at: 2018-07-20 21:04:35
Local clock offset: -0.479 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-07-21 01:49:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 259.50 Mbit/s
95th percentile per-packet one-way delay: 54.898 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 168.51 Mbit/s
95th percentile per-packet one-way delay: 52.174 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 95.17 Mbit/s
95th percentile per-packet one-way delay: 99.379 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 85.06 Mbit/s
95th percentile per-packet one-way delay: 57.138 ms
Loss rate: 1.18%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-20 21:28:00

End at: 2018-07-20 21:28:30

Local clock offset: -0.452 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-21 01:50:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 239.40 Mbit/s

95th percentile per-packet one-way delay: 57.452 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 103.24 Mbit/s

95th percentile per-packet one-way delay: 55.946 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 181.20 Mbit/s

95th percentile per-packet one-way delay: 60.747 ms

Loss rate: 0.41%

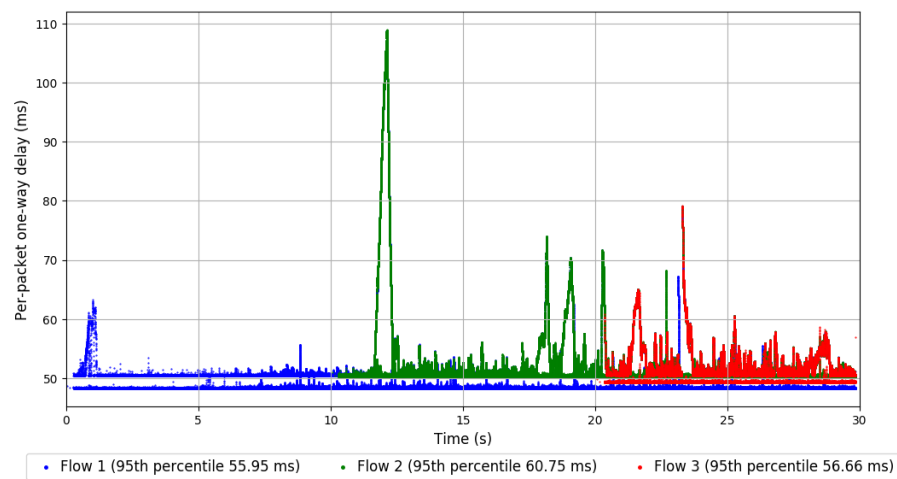
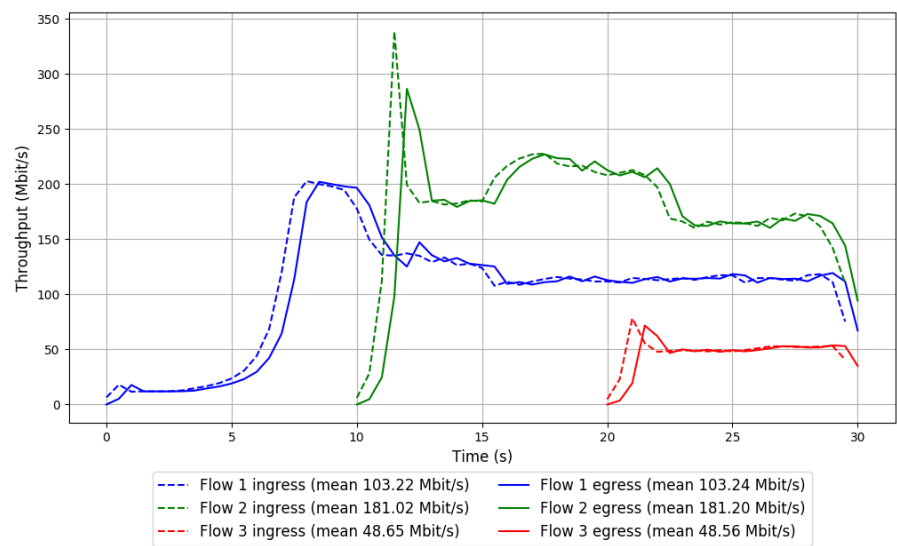
-- Flow 3:

Average throughput: 48.56 Mbit/s

95th percentile per-packet one-way delay: 56.663 ms

Loss rate: 1.13%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-20 21:51:49

End at: 2018-07-20 21:52:19

Local clock offset: -0.435 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-21 01:52:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 289.27 Mbit/s

95th percentile per-packet one-way delay: 225.103 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 208.76 Mbit/s

95th percentile per-packet one-way delay: 222.261 ms

Loss rate: 0.94%

-- Flow 2:

Average throughput: 117.65 Mbit/s

95th percentile per-packet one-way delay: 227.182 ms

Loss rate: 1.44%

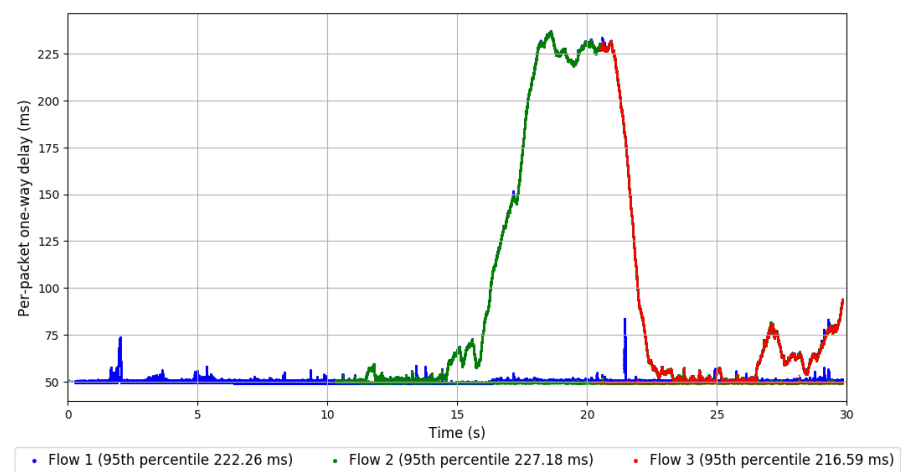
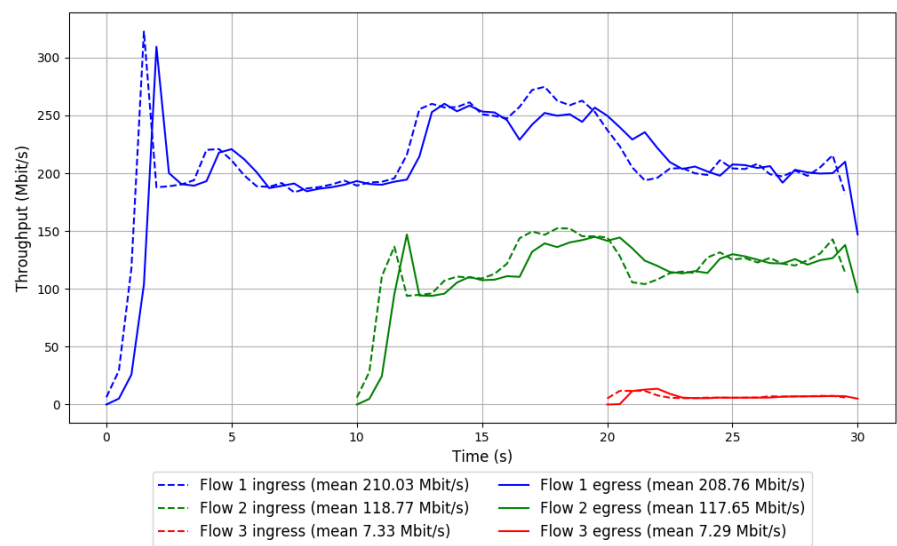
-- Flow 3:

Average throughput: 7.29 Mbit/s

95th percentile per-packet one-way delay: 216.585 ms

Loss rate: 1.55%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-20 22:15:42

End at: 2018-07-20 22:16:12

Local clock offset: 0.249 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-21 01:52:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 277.90 Mbit/s

95th percentile per-packet one-way delay: 56.116 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 187.39 Mbit/s

95th percentile per-packet one-way delay: 57.036 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 107.66 Mbit/s

95th percentile per-packet one-way delay: 56.862 ms

Loss rate: 0.55%

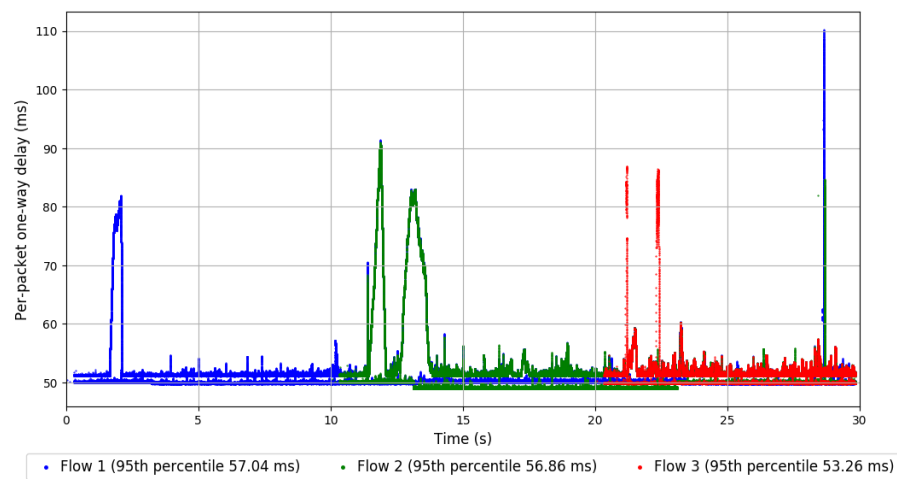
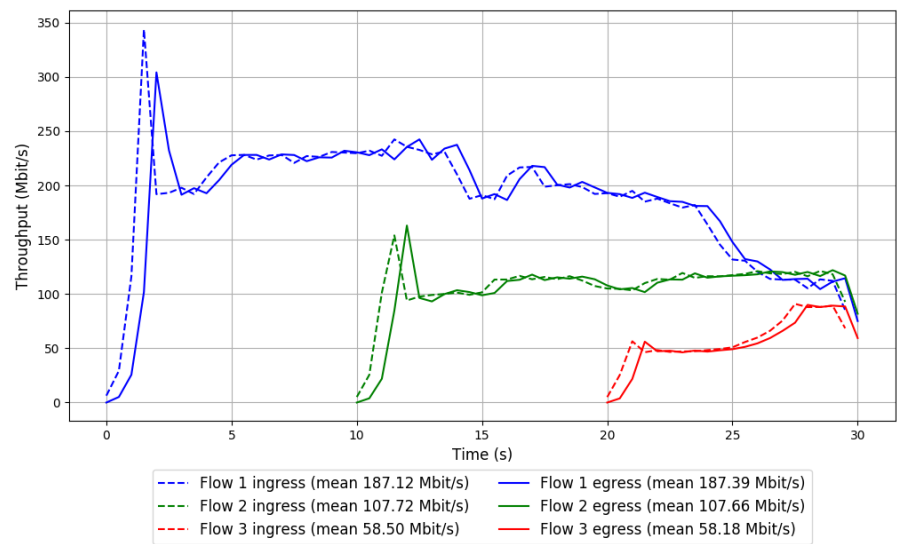
-- Flow 3:

Average throughput: 58.18 Mbit/s

95th percentile per-packet one-way delay: 53.258 ms

Loss rate: 1.55%

Run 6: Report of PCC-Expr — Data Link

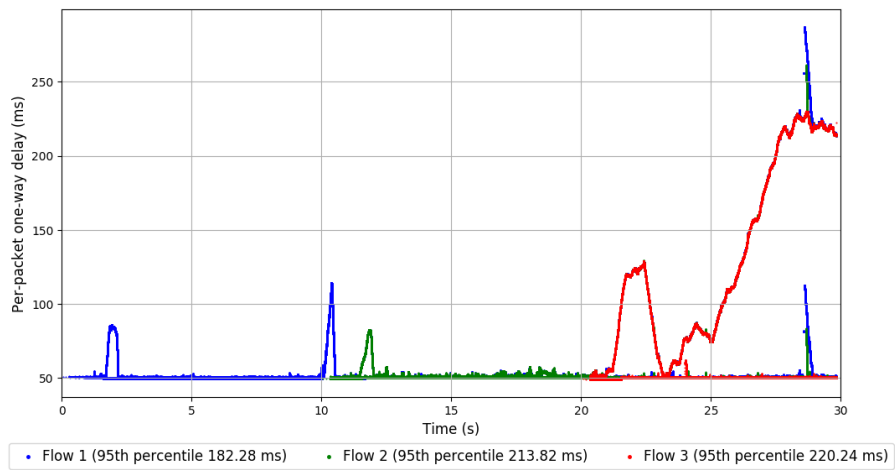
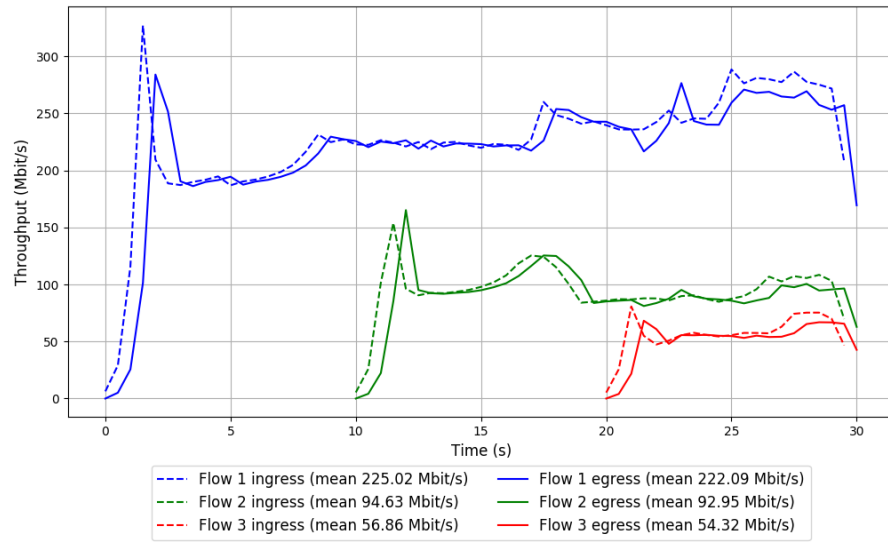


Run 7: Statistics of PCC-Expr

Start at: 2018-07-20 22:39:34
End at: 2018-07-20 22:40:04
Local clock offset: -0.507 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-07-21 01:54:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 301.50 Mbit/s
95th percentile per-packet one-way delay: 205.743 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 222.09 Mbit/s
95th percentile per-packet one-way delay: 182.284 ms
Loss rate: 1.63%
-- Flow 2:
Average throughput: 92.95 Mbit/s
95th percentile per-packet one-way delay: 213.819 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 54.32 Mbit/s
95th percentile per-packet one-way delay: 220.241 ms
Loss rate: 5.34%

Run 7: Report of PCC-Expr — Data Link

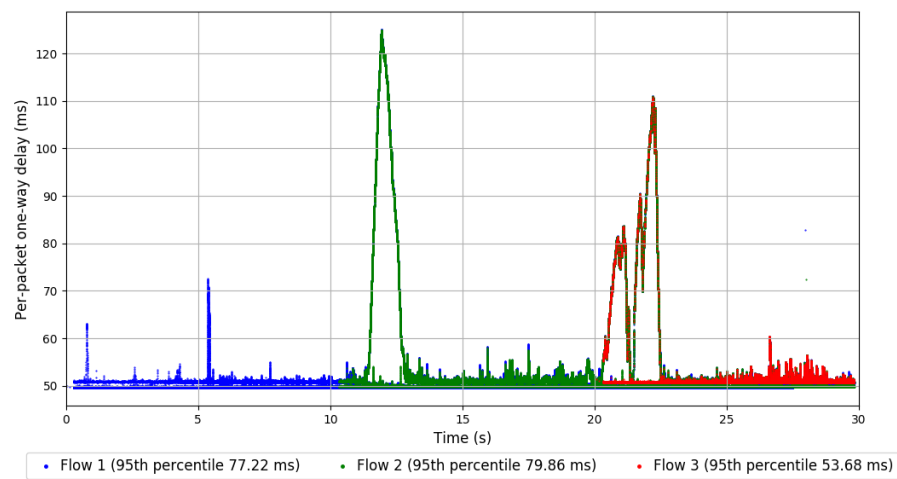
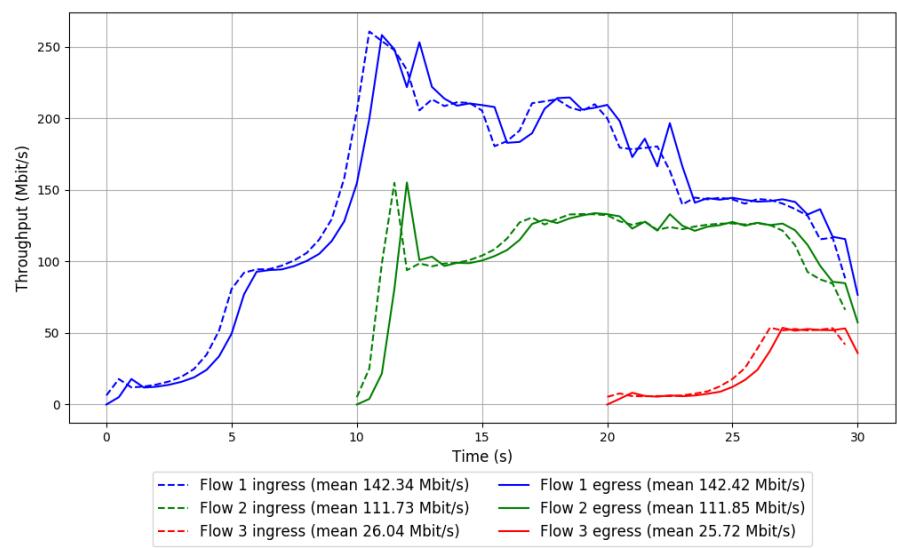


Run 8: Statistics of PCC-Expr

Start at: 2018-07-20 23:03:18
End at: 2018-07-20 23:03:48
Local clock offset: -0.155 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-21 01:54:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 225.12 Mbit/s
95th percentile per-packet one-way delay: 77.699 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 142.42 Mbit/s
95th percentile per-packet one-way delay: 77.216 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 111.85 Mbit/s
95th percentile per-packet one-way delay: 79.858 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 25.72 Mbit/s
95th percentile per-packet one-way delay: 53.676 ms
Loss rate: 2.24%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-20 23:27:13

End at: 2018-07-20 23:27:43

Local clock offset: 0.222 ms

Remote clock offset: 0.1 ms

Below is generated by plot.py at 2018-07-21 01:57:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 287.54 Mbit/s

95th percentile per-packet one-way delay: 223.429 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 182.29 Mbit/s

95th percentile per-packet one-way delay: 202.315 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 150.19 Mbit/s

95th percentile per-packet one-way delay: 228.219 ms

Loss rate: 1.82%

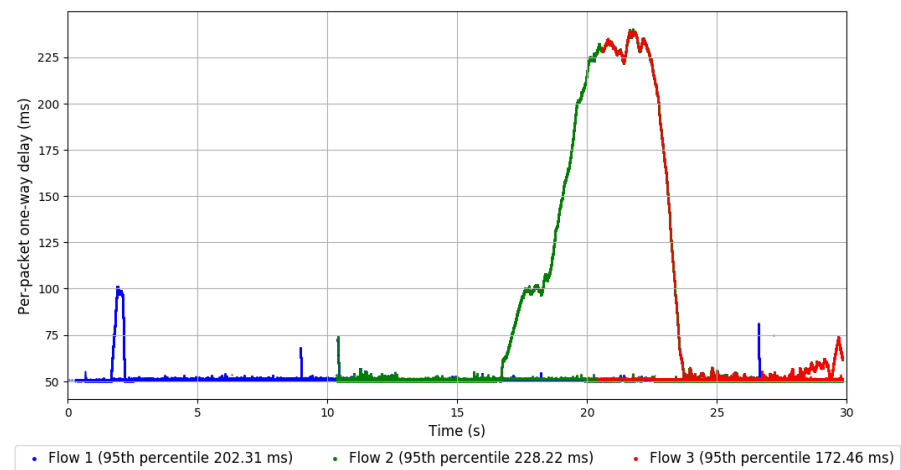
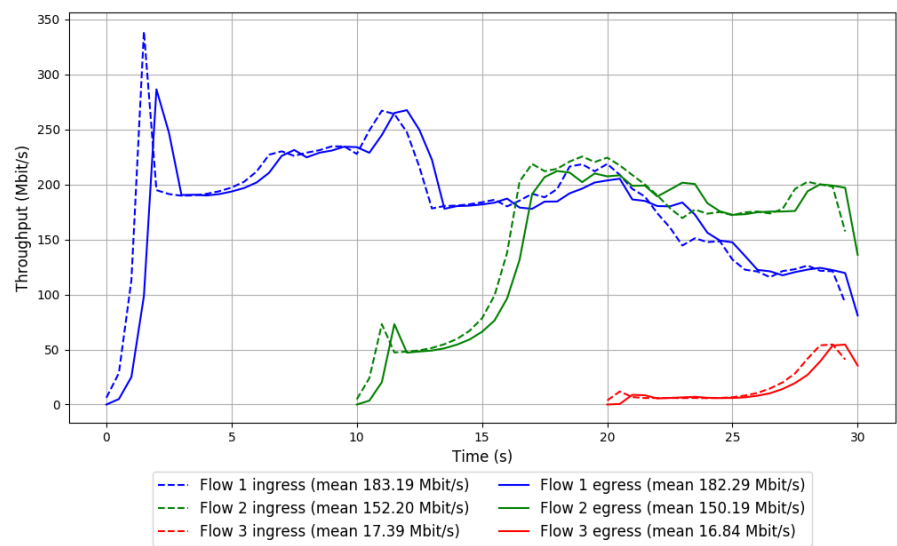
-- Flow 3:

Average throughput: 16.84 Mbit/s

95th percentile per-packet one-way delay: 172.461 ms

Loss rate: 4.15%

Run 9: Report of PCC-Expr — Data Link

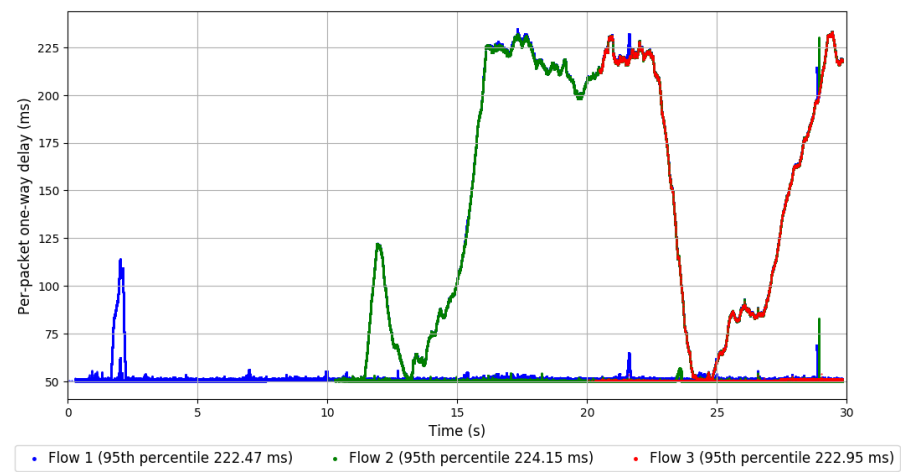
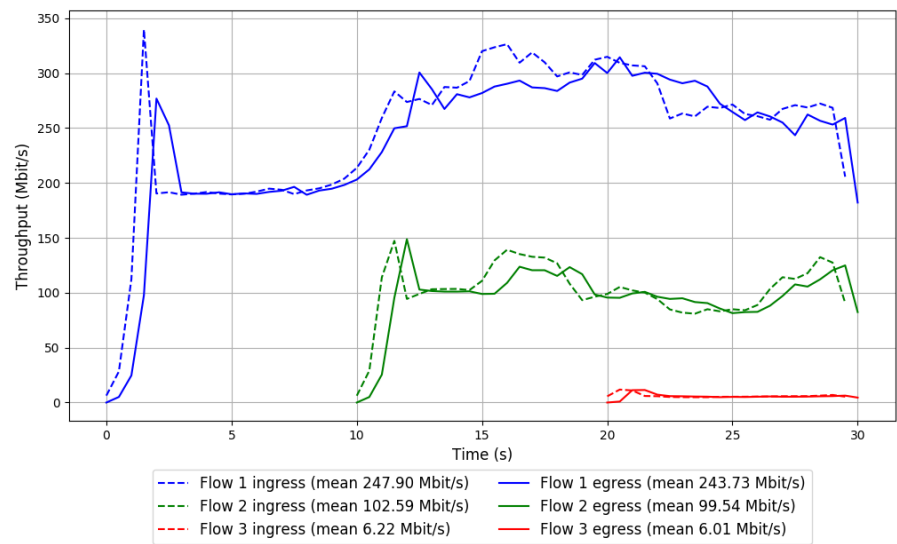


Run 10: Statistics of PCC-Expr

Start at: 2018-07-20 23:51:08
End at: 2018-07-20 23:51:38
Local clock offset: 0.318 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-21 01:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 311.79 Mbit/s
95th percentile per-packet one-way delay: 222.895 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 243.73 Mbit/s
95th percentile per-packet one-way delay: 222.471 ms
Loss rate: 2.01%
-- Flow 2:
Average throughput: 99.54 Mbit/s
95th percentile per-packet one-way delay: 224.151 ms
Loss rate: 3.47%
-- Flow 3:
Average throughput: 6.01 Mbit/s
95th percentile per-packet one-way delay: 222.951 ms
Loss rate: 4.29%

Run 10: Report of PCC-Expr — Data Link

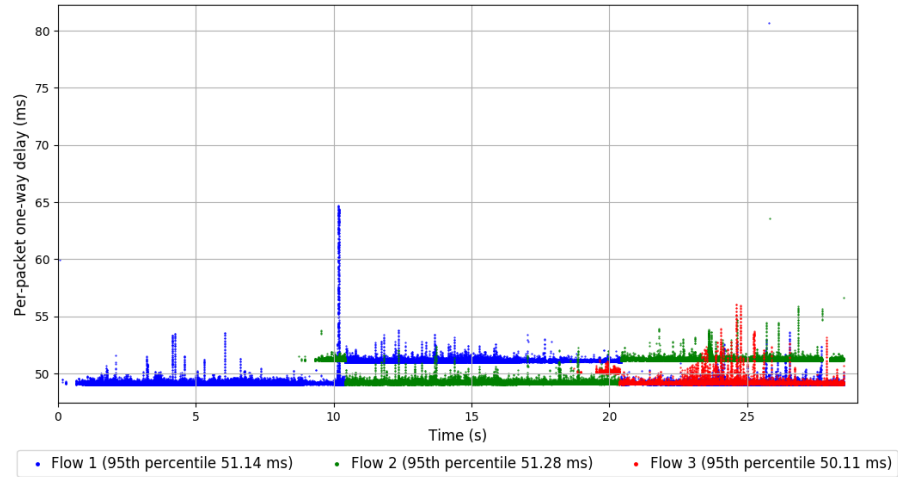
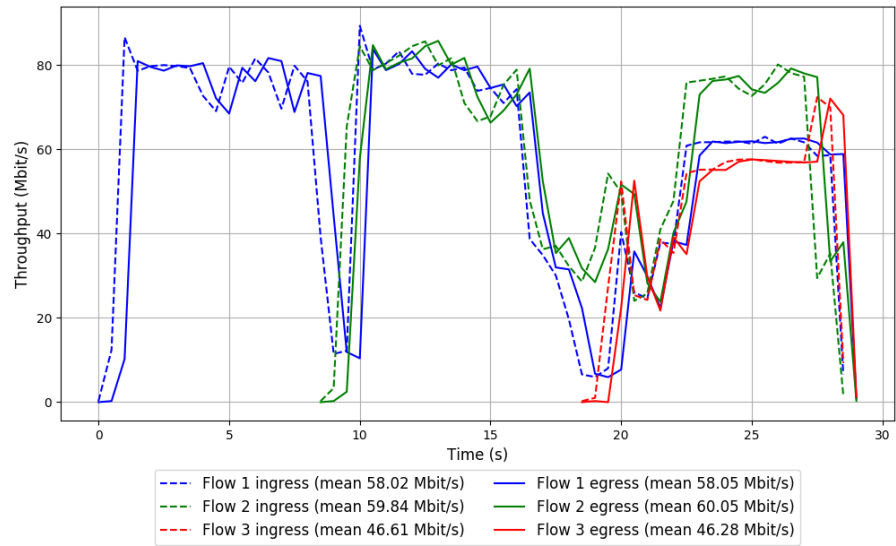


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-20 20:03:03
End at: 2018-07-20 20:03:33
Local clock offset: 0.257 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-21 01:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 115.70 Mbit/s
95th percentile per-packet one-way delay: 51.235 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 58.05 Mbit/s
95th percentile per-packet one-way delay: 51.143 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 60.05 Mbit/s
95th percentile per-packet one-way delay: 51.281 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 46.28 Mbit/s
95th percentile per-packet one-way delay: 50.109 ms
Loss rate: 1.70%

Run 1: Report of QUIC Cubic — Data Link

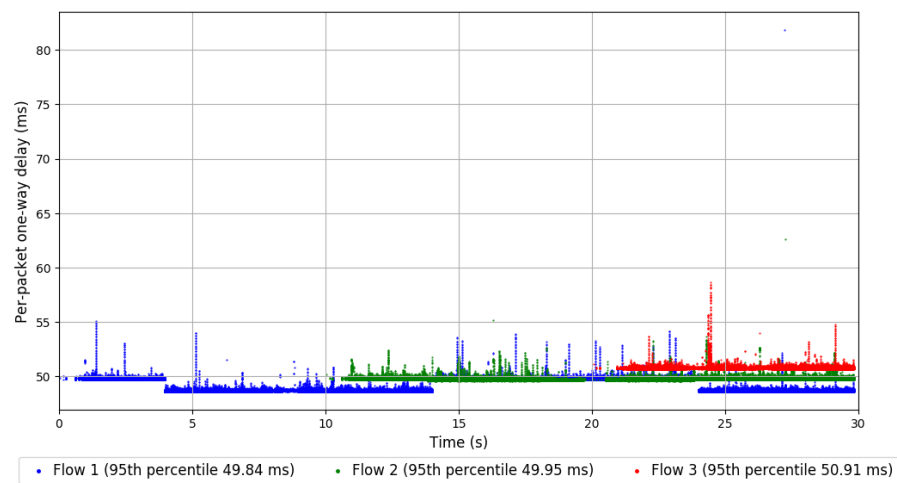
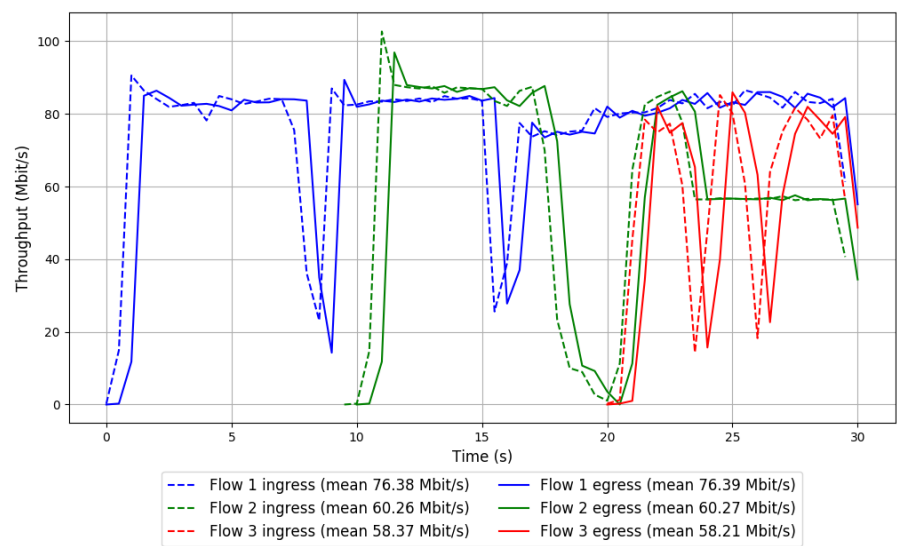


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-20 20:26:41
End at: 2018-07-20 20:27:11
Local clock offset: -0.126 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-21 01:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 135.54 Mbit/s
95th percentile per-packet one-way delay: 50.782 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 76.39 Mbit/s
95th percentile per-packet one-way delay: 49.845 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 60.27 Mbit/s
95th percentile per-packet one-way delay: 49.952 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 58.21 Mbit/s
95th percentile per-packet one-way delay: 50.911 ms
Loss rate: 1.30%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-20 20:50:19

End at: 2018-07-20 20:50:49

Local clock offset: 0.275 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-21 01:59:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 135.12 Mbit/s

95th percentile per-packet one-way delay: 51.168 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 76.58 Mbit/s

95th percentile per-packet one-way delay: 50.933 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 64.86 Mbit/s

95th percentile per-packet one-way delay: 51.199 ms

Loss rate: 0.47%

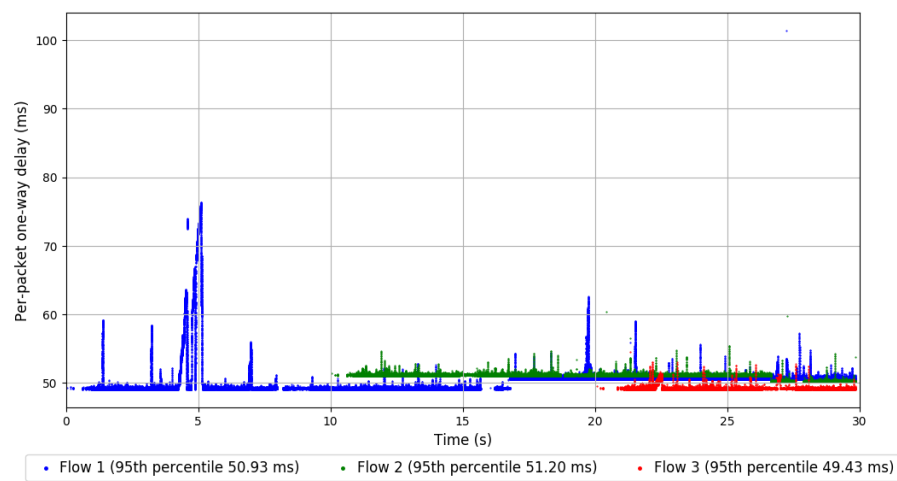
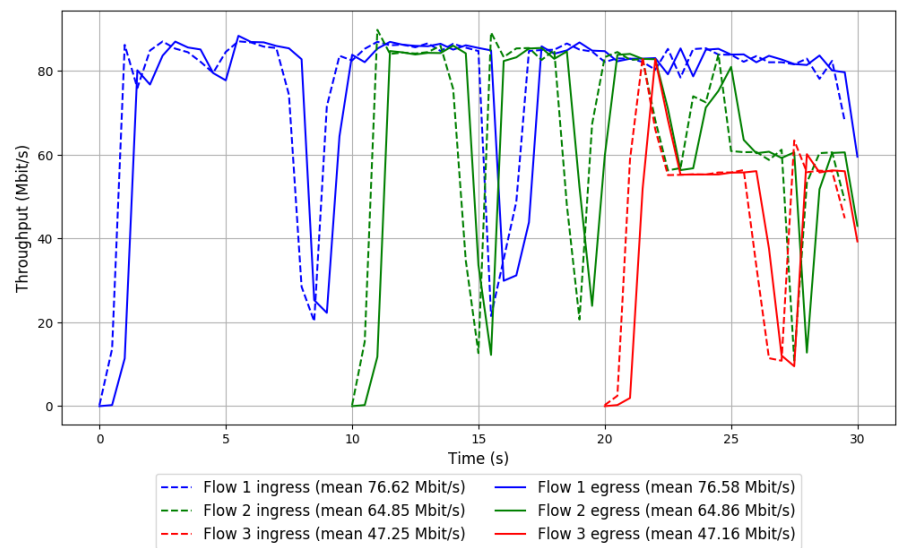
-- Flow 3:

Average throughput: 47.16 Mbit/s

95th percentile per-packet one-way delay: 49.430 ms

Loss rate: 1.18%

Run 3: Report of QUIC Cubic — Data Link

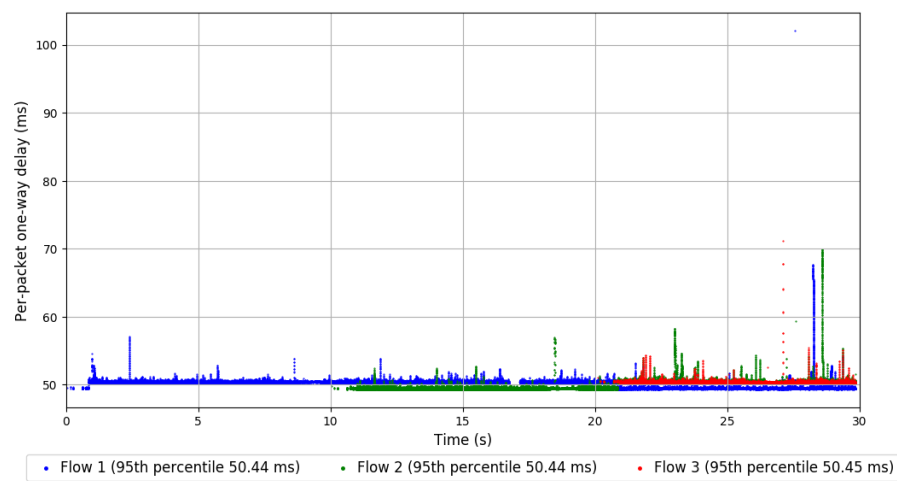
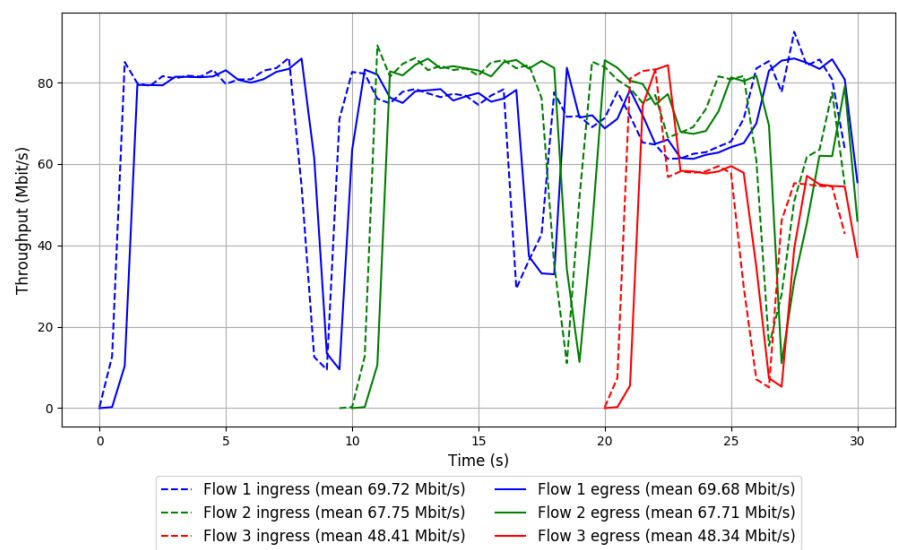


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-20 21:13:54
End at: 2018-07-20 21:14:24
Local clock offset: -0.5 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-21 01:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 130.47 Mbit/s
95th percentile per-packet one-way delay: 50.439 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 69.68 Mbit/s
95th percentile per-packet one-way delay: 50.436 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 67.71 Mbit/s
95th percentile per-packet one-way delay: 50.438 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 48.34 Mbit/s
95th percentile per-packet one-way delay: 50.453 ms
Loss rate: 1.18%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-20 21:37:43

End at: 2018-07-20 21:38:13

Local clock offset: 0.31 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-07-21 01:59:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 132.95 Mbit/s

95th percentile per-packet one-way delay: 51.278 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 72.48 Mbit/s

95th percentile per-packet one-way delay: 51.314 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 68.61 Mbit/s

95th percentile per-packet one-way delay: 50.227 ms

Loss rate: 0.60%

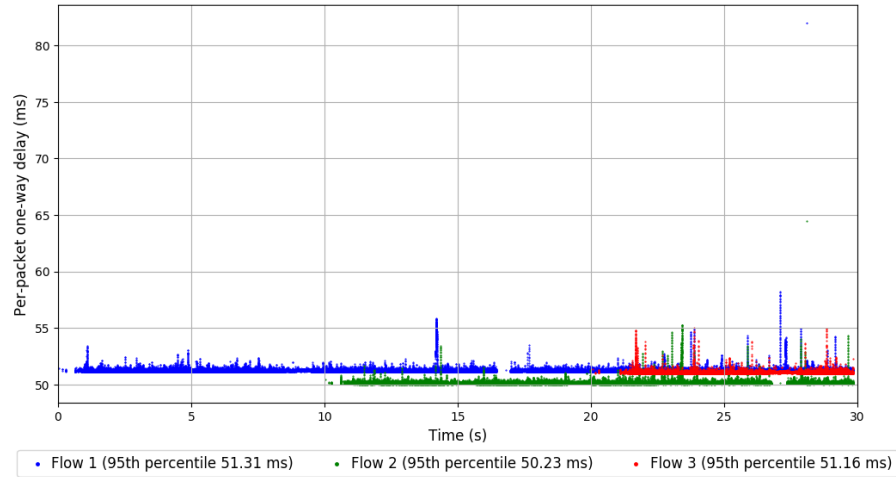
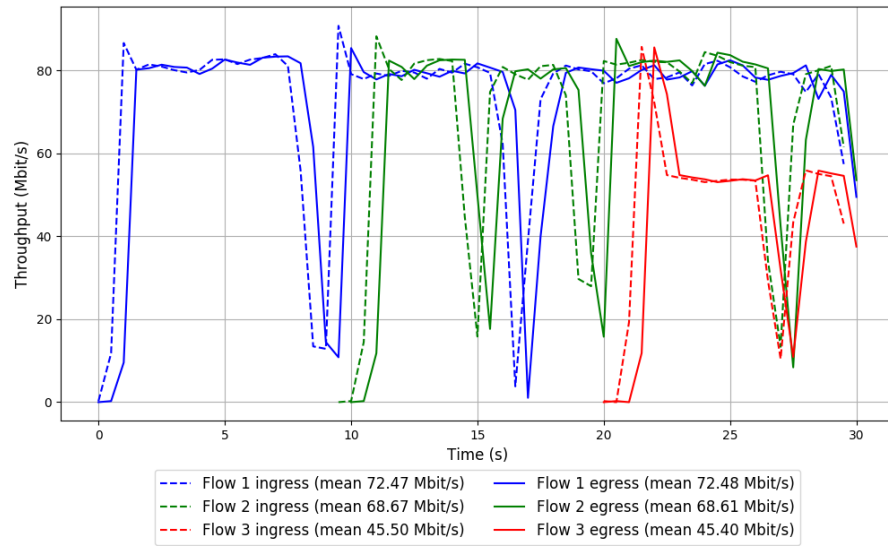
-- Flow 3:

Average throughput: 45.40 Mbit/s

95th percentile per-packet one-way delay: 51.161 ms

Loss rate: 1.24%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-20 22:01:34

End at: 2018-07-20 22:02:04

Local clock offset: -0.094 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-21 01:59:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 132.23 Mbit/s

95th percentile per-packet one-way delay: 50.453 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 75.04 Mbit/s

95th percentile per-packet one-way delay: 49.972 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 64.76 Mbit/s

95th percentile per-packet one-way delay: 49.956 ms

Loss rate: 0.44%

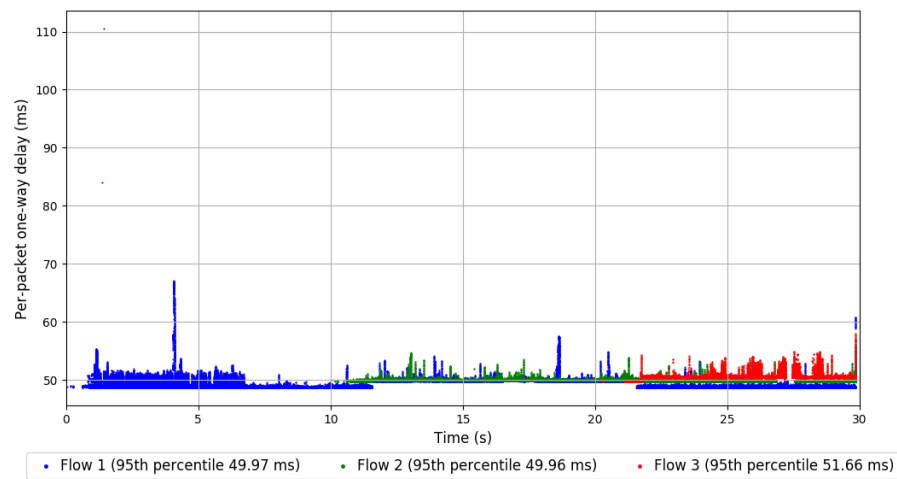
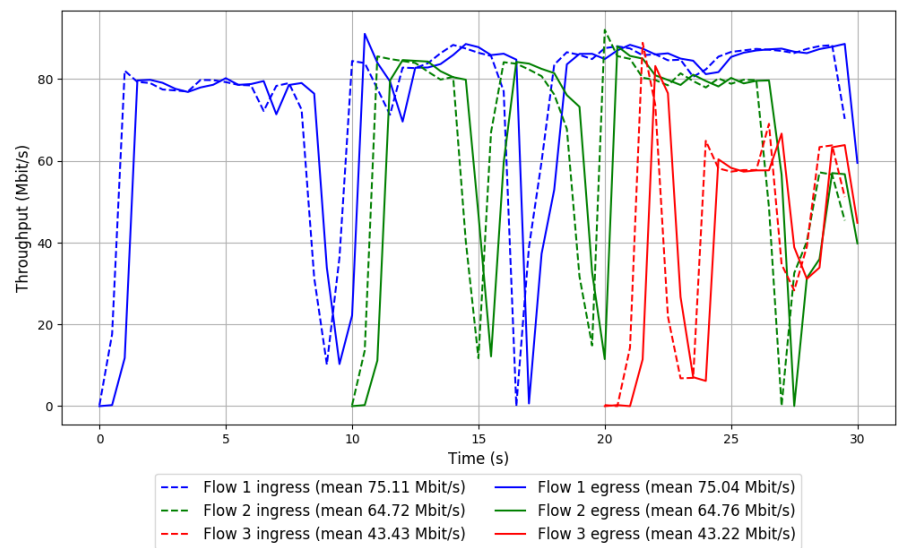
-- Flow 3:

Average throughput: 43.22 Mbit/s

95th percentile per-packet one-way delay: 51.662 ms

Loss rate: 1.49%

Run 6: Report of QUIC Cubic — Data Link

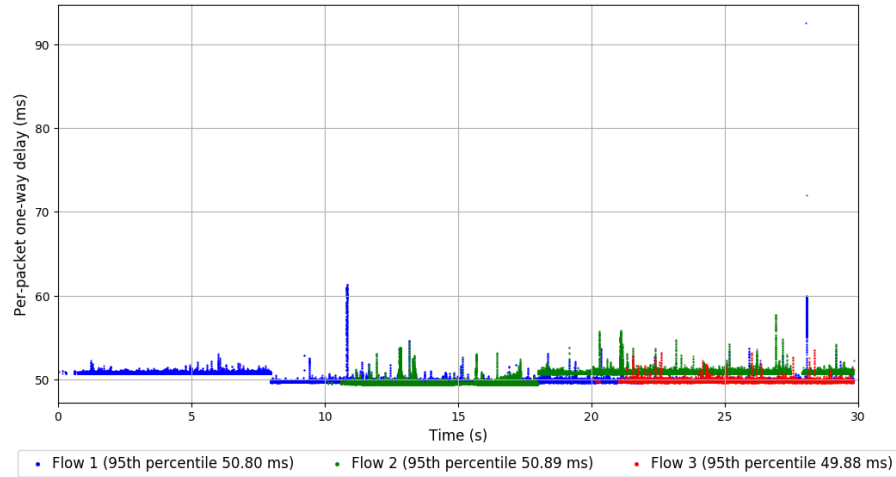
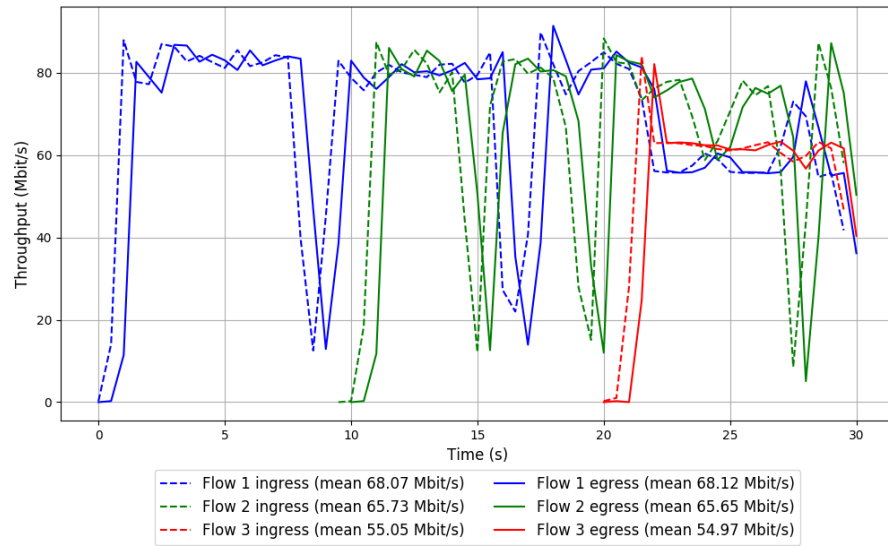


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-20 22:25:27
End at: 2018-07-20 22:25:57
Local clock offset: -0.152 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-21 01:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 129.80 Mbit/s
95th percentile per-packet one-way delay: 50.824 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 68.12 Mbit/s
95th percentile per-packet one-way delay: 50.804 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 65.65 Mbit/s
95th percentile per-packet one-way delay: 50.886 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 54.97 Mbit/s
95th percentile per-packet one-way delay: 49.882 ms
Loss rate: 1.16%

Run 7: Report of QUIC Cubic — Data Link

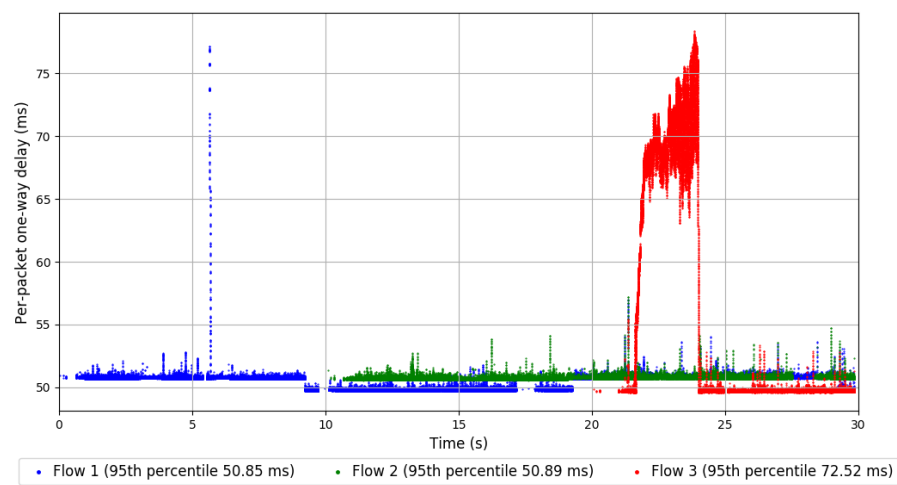
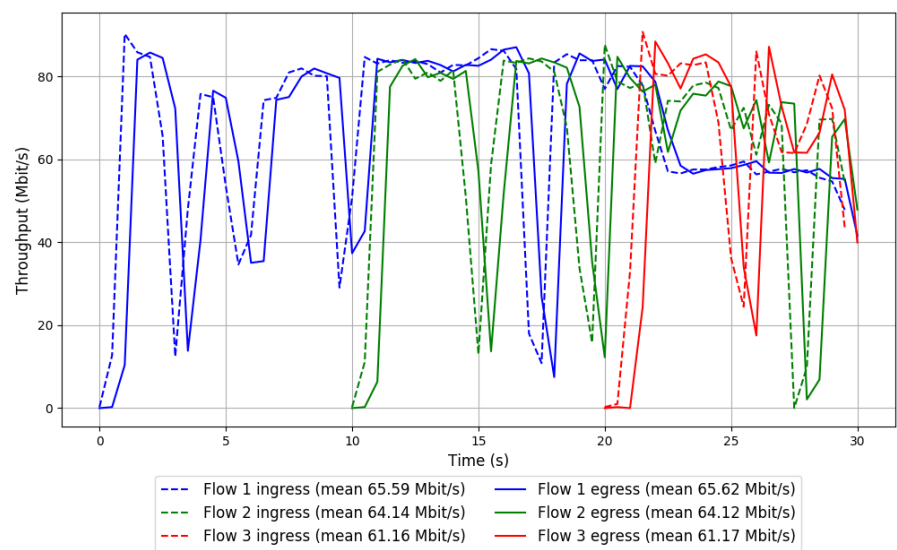


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-20 22:49:16
End at: 2018-07-20 22:49:46
Local clock offset: -0.156 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-21 01:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 128.21 Mbit/s
95th percentile per-packet one-way delay: 55.924 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 65.62 Mbit/s
95th percentile per-packet one-way delay: 50.854 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 64.12 Mbit/s
95th percentile per-packet one-way delay: 50.888 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 61.17 Mbit/s
95th percentile per-packet one-way delay: 72.519 ms
Loss rate: 0.98%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-20 23:13:03

End at: 2018-07-20 23:13:33

Local clock offset: -0.171 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-21 01:59:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 137.54 Mbit/s

95th percentile per-packet one-way delay: 50.774 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 74.28 Mbit/s

95th percentile per-packet one-way delay: 50.673 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 63.11 Mbit/s

95th percentile per-packet one-way delay: 50.837 ms

Loss rate: 0.48%

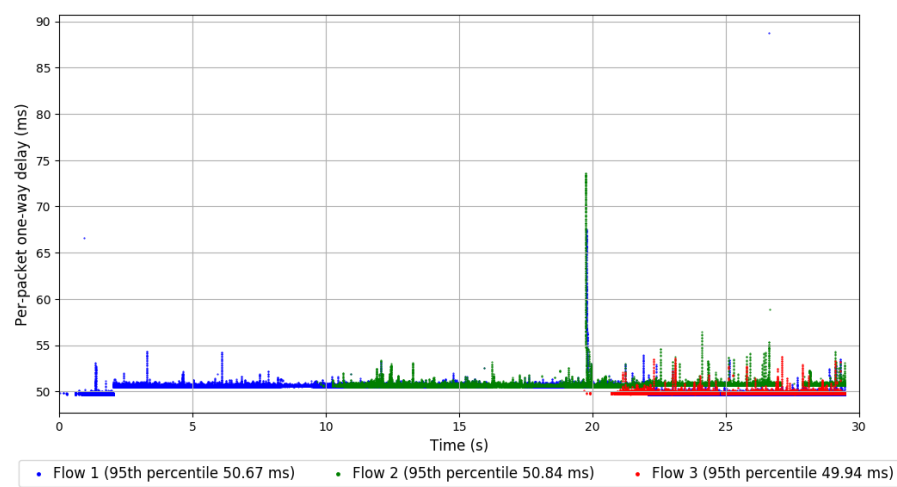
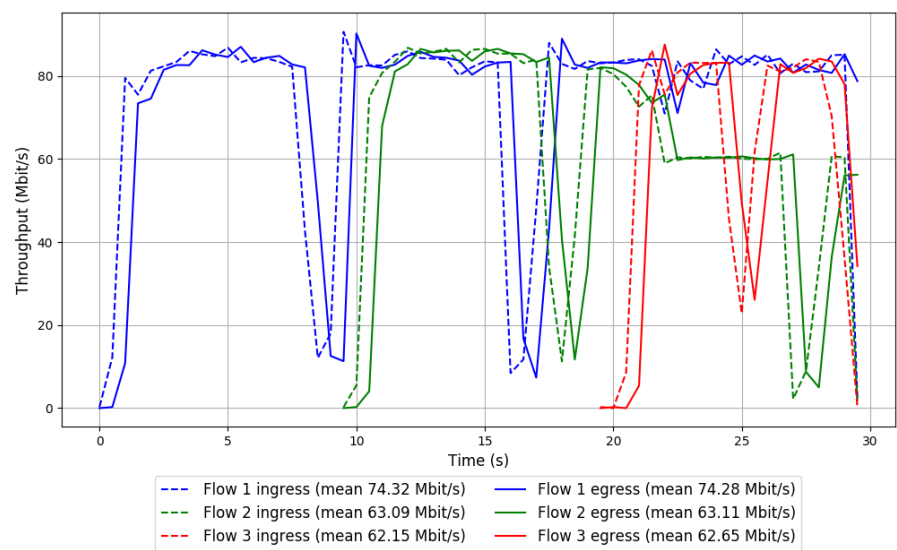
-- Flow 3:

Average throughput: 62.65 Mbit/s

95th percentile per-packet one-way delay: 49.940 ms

Loss rate: 0.22%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-20 23:37:00

End at: 2018-07-20 23:37:30

Local clock offset: -0.145 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-07-21 01:59:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 133.00 Mbit/s

95th percentile per-packet one-way delay: 50.623 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 73.08 Mbit/s

95th percentile per-packet one-way delay: 50.846 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 67.90 Mbit/s

95th percentile per-packet one-way delay: 49.824 ms

Loss rate: 0.61%

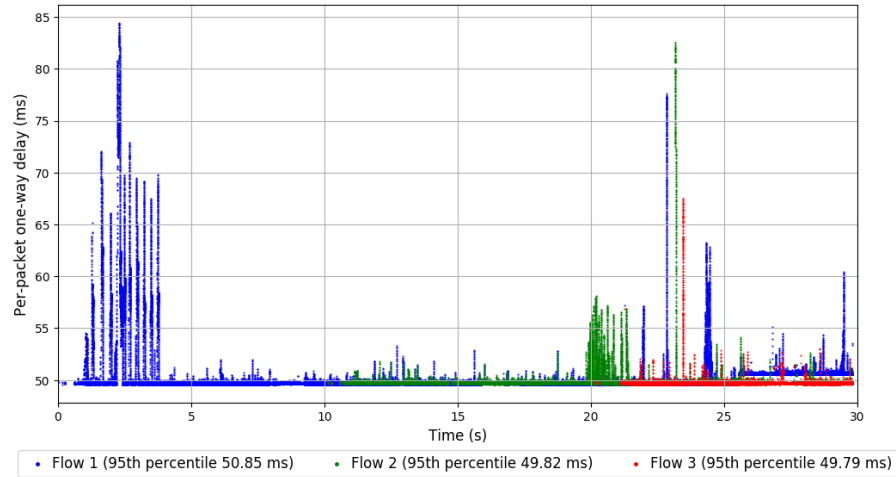
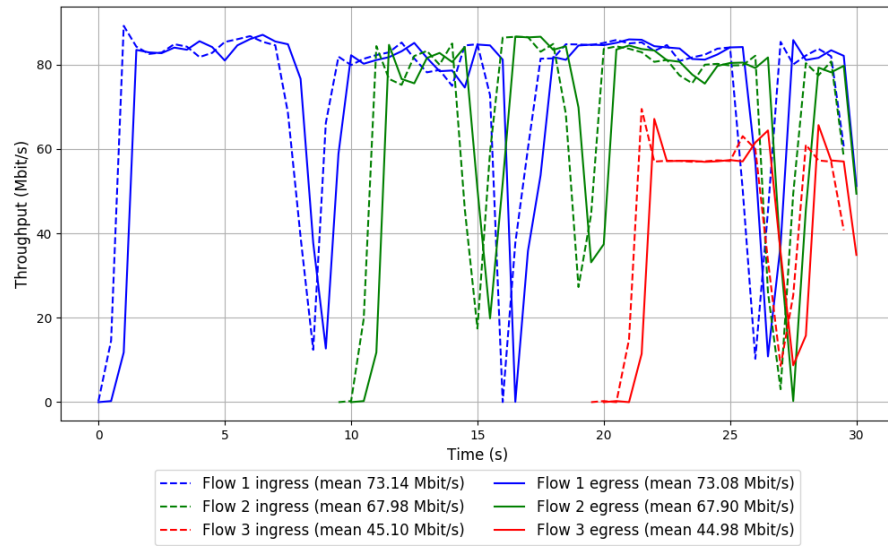
-- Flow 3:

Average throughput: 44.98 Mbit/s

95th percentile per-packet one-way delay: 49.786 ms

Loss rate: 1.29%

Run 10: Report of QUIC Cubic — Data Link

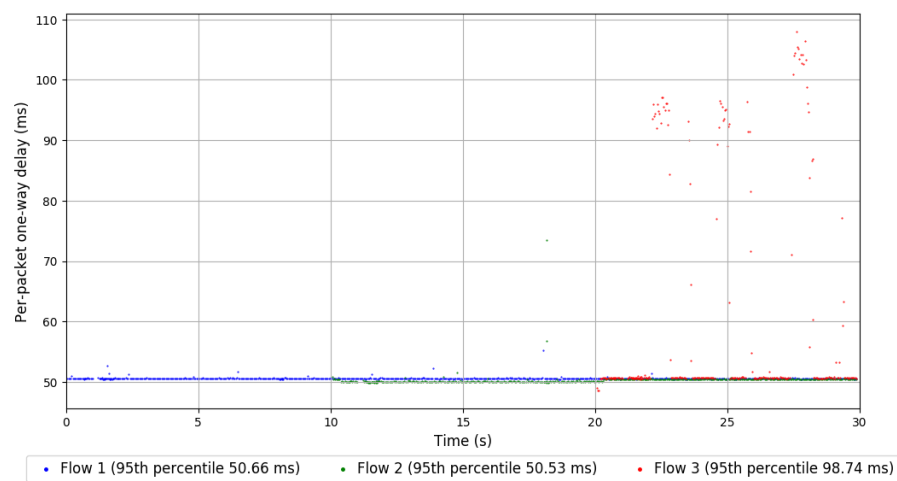
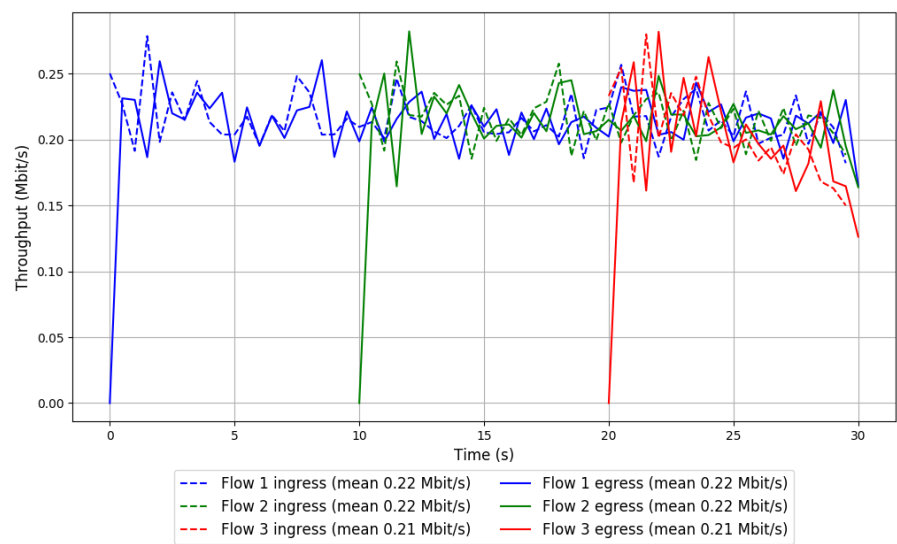


```
Run 1: Statistics of SReAM

Start at: 2018-07-20 20:24:05
End at: 2018-07-20 20:24:35
Local clock offset: -0.41 ms
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2018-07-21 01:59:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 51.715 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.661 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.533 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 98.742 ms
Loss rate: 0.88%
```


Run 1: Report of SReAM — Data Link

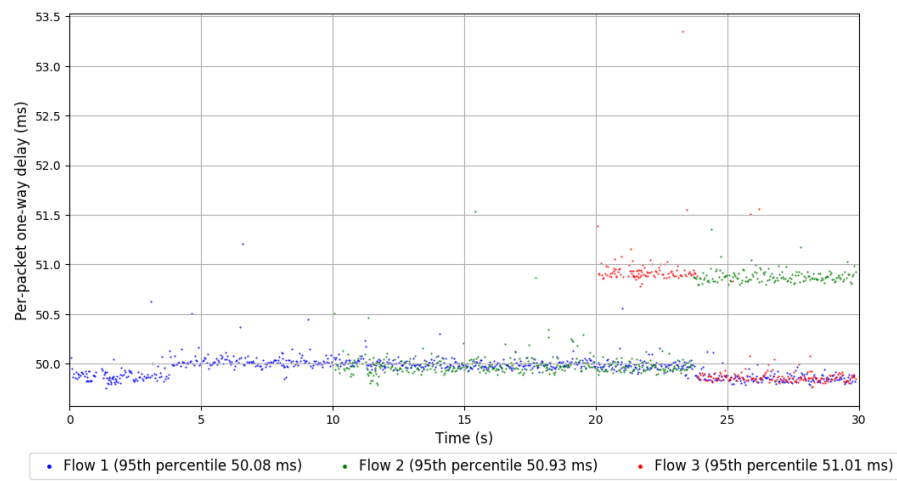
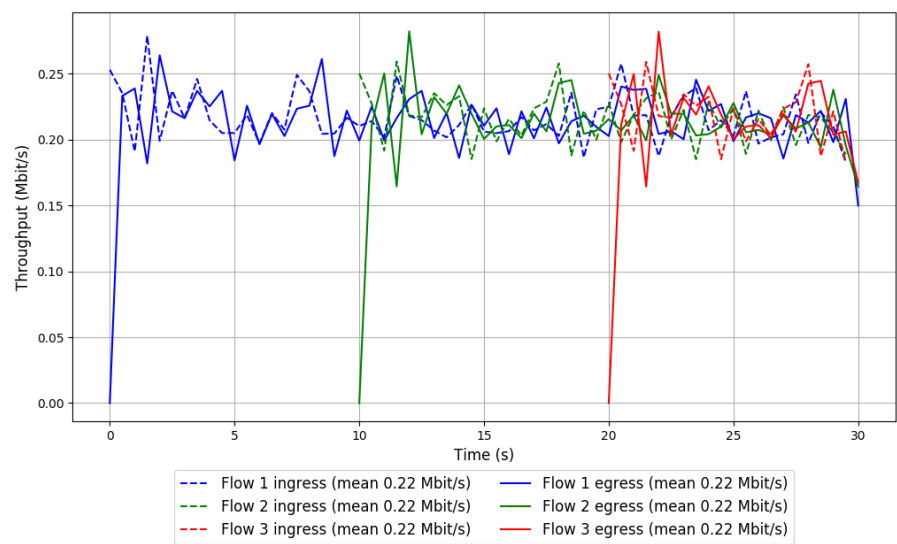


Run 2: Statistics of SReAM

Start at: 2018-07-20 20:47:42
End at: 2018-07-20 20:48:12
Local clock offset: -0.101 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-21 01:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.918 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.075 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.927 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.005 ms
Loss rate: 1.09%

Run 2: Report of SReAM — Data Link

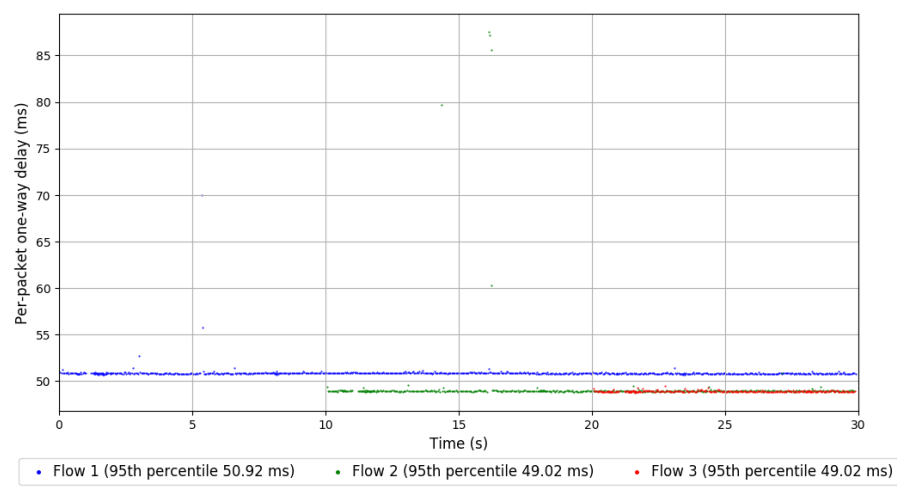
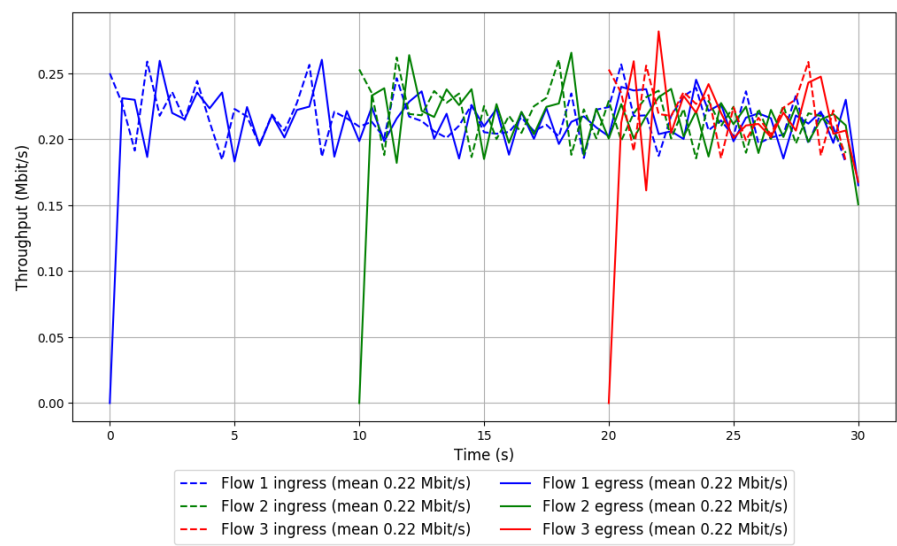


Run 3: Statistics of SReAM

Start at: 2018-07-20 21:11:18
End at: 2018-07-20 21:11:48
Local clock offset: -0.159 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-07-21 01:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.893 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.922 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.018 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.016 ms
Loss rate: 1.08%

Run 3: Report of SReAM — Data Link

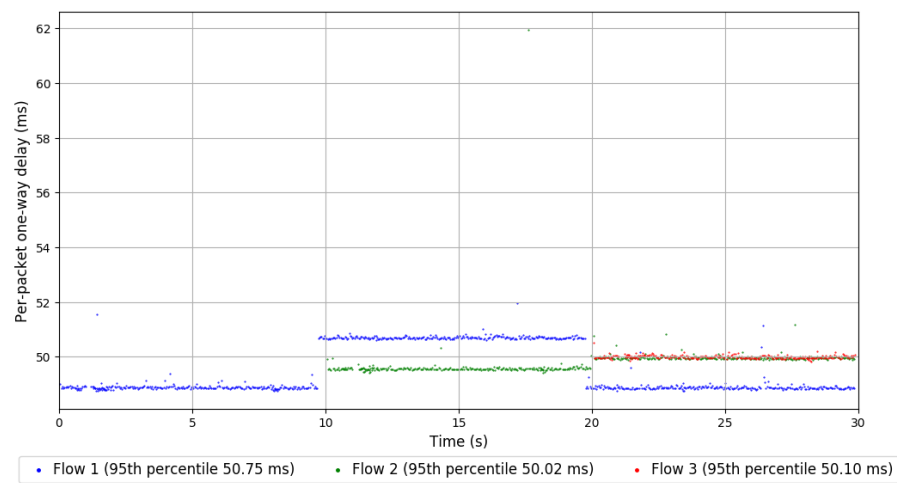
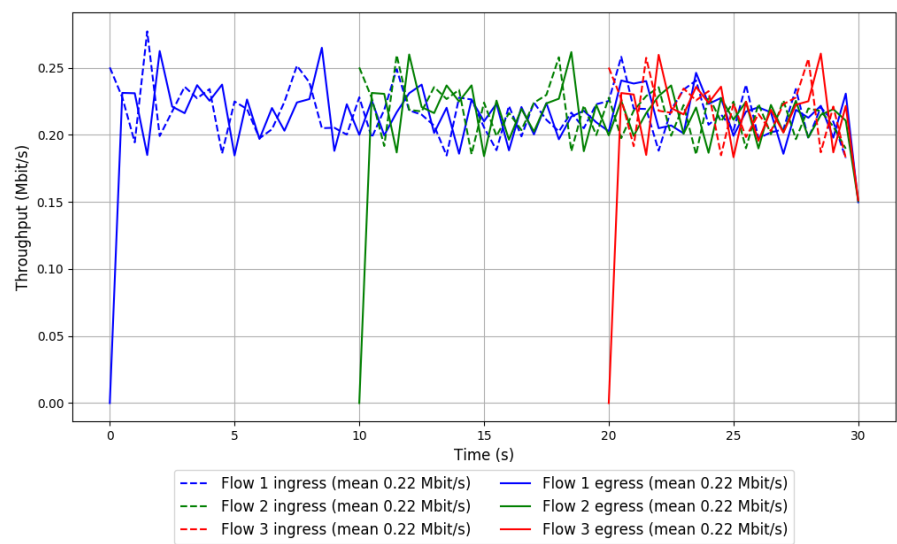


Run 4: Statistics of SReAM

Start at: 2018-07-20 21:35:06
End at: 2018-07-20 21:35:36
Local clock offset: -0.094 ms
Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-07-21 01:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.718 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.749 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.015 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.099 ms
Loss rate: 1.09%

Run 4: Report of SCReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-07-20 21:58:59

End at: 2018-07-20 21:59:29

Local clock offset: -0.446 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-21 01:59:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 50.437 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.321 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.249 ms

Loss rate: 0.61%

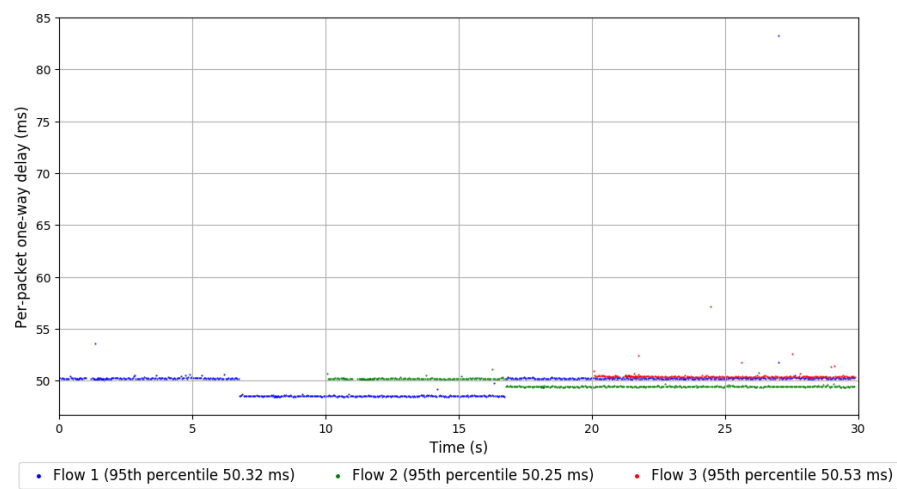
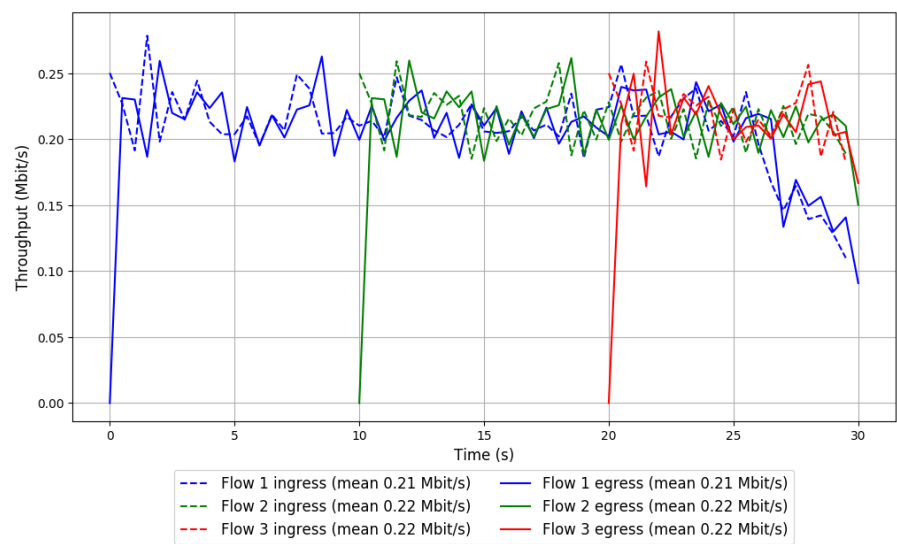
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.526 ms

Loss rate: 1.09%

Run 5: Report of SCSReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-07-20 22:22:53

End at: 2018-07-20 22:23:23

Local clock offset: -0.141 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-21 01:59:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 50.950 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.978 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.542 ms

Loss rate: 0.39%

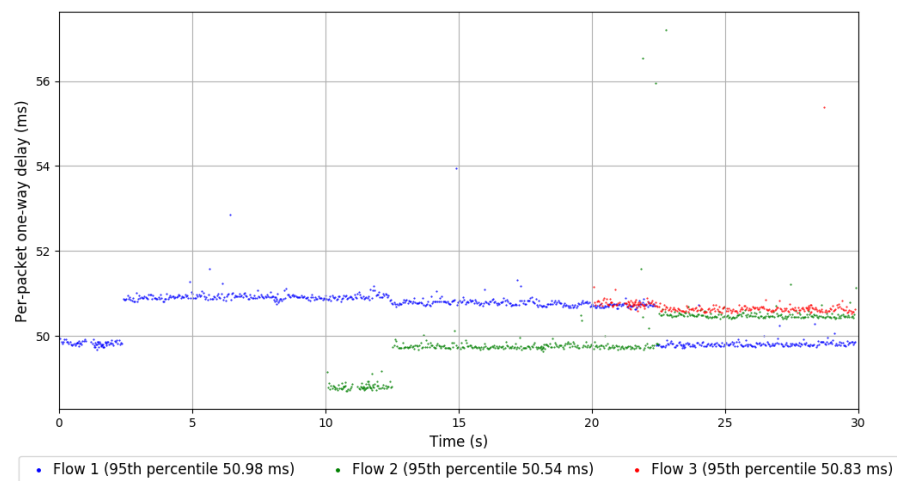
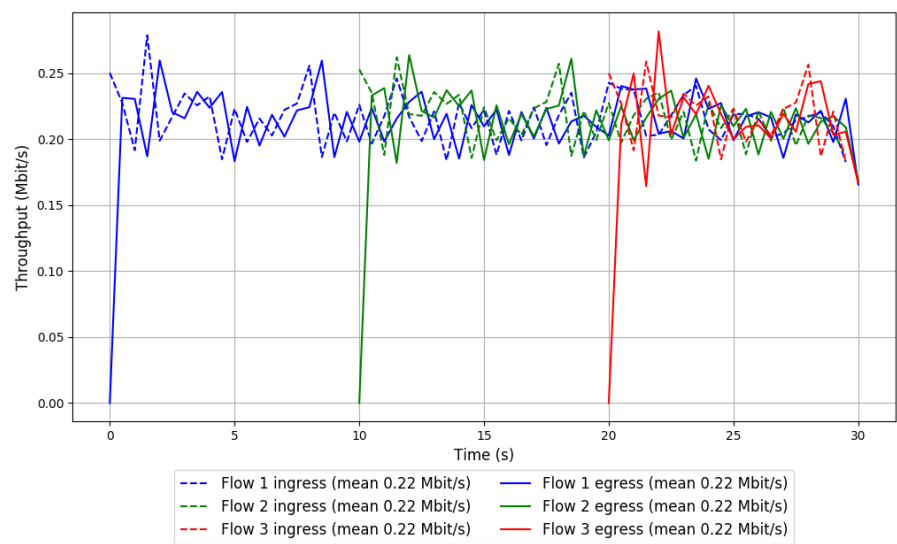
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.830 ms

Loss rate: 1.09%

Run 6: Report of SReAM — Data Link

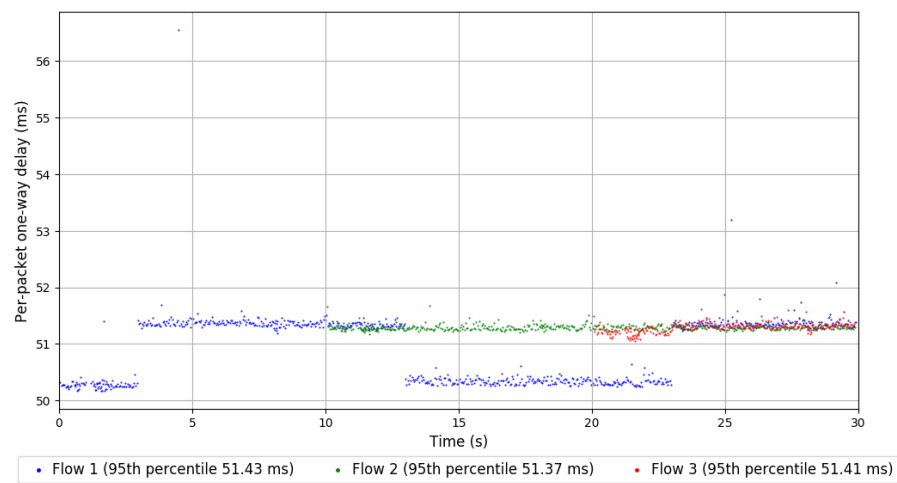
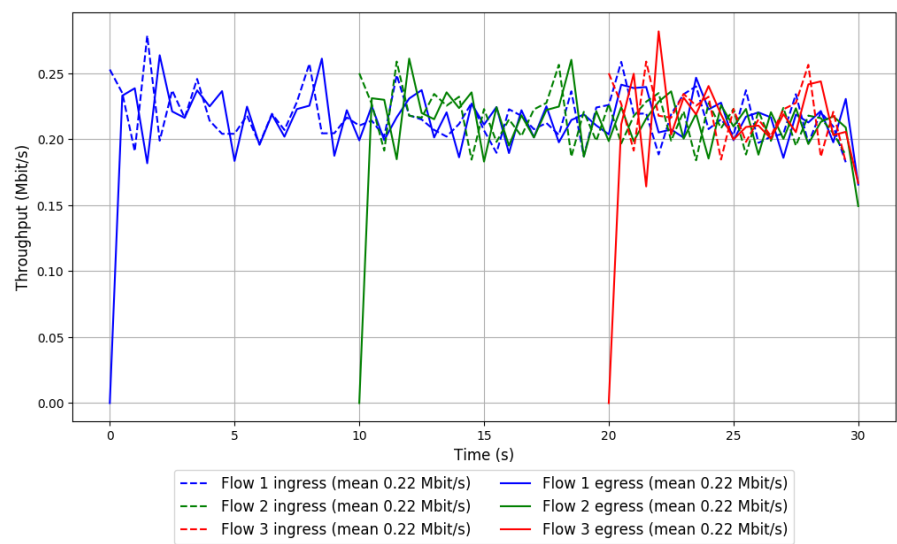


Run 7: Statistics of SReAM

Start at: 2018-07-20 22:46:42
End at: 2018-07-20 22:47:12
Local clock offset: 0.23 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-21 01:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 51.415 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.432 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.371 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.411 ms
Loss rate: 1.09%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-07-20 23:10:28

End at: 2018-07-20 23:10:58

Local clock offset: -0.506 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-21 01:59:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 50.675 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.718 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.502 ms

Loss rate: 0.62%

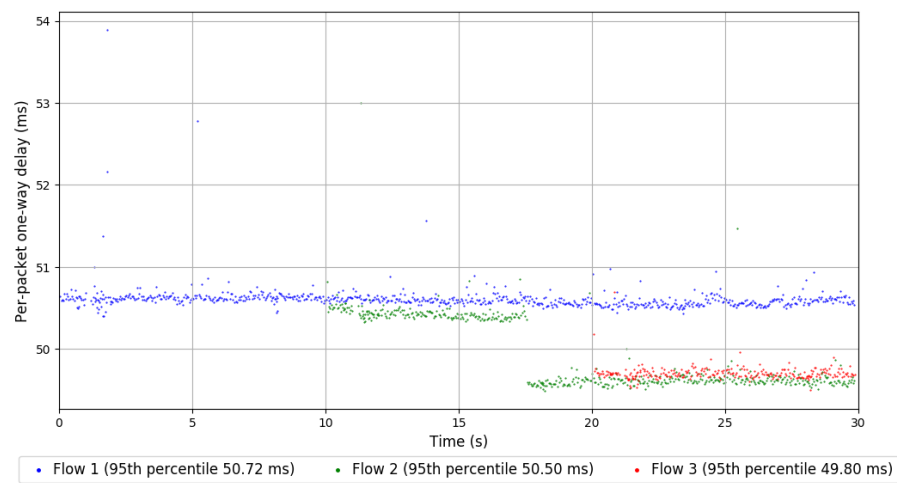
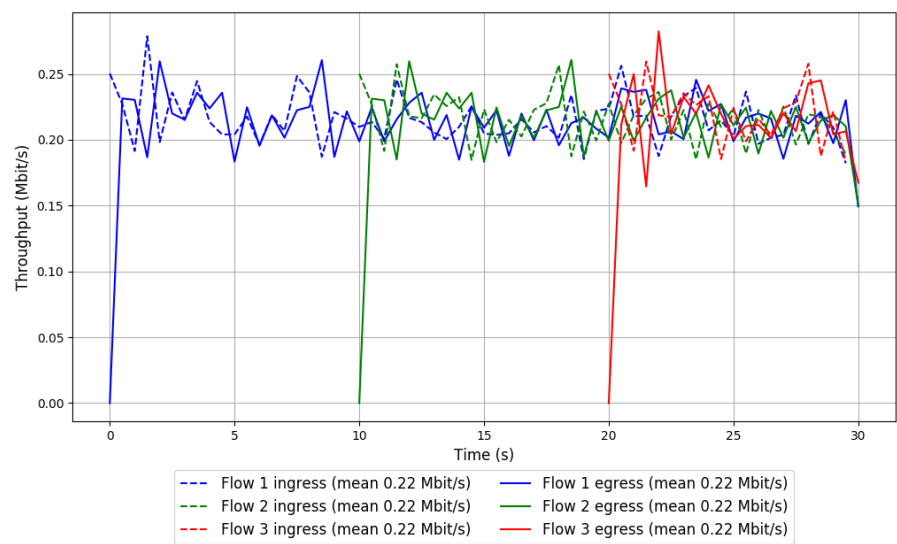
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.798 ms

Loss rate: 1.09%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-07-20 23:34:24

End at: 2018-07-20 23:34:54

Local clock offset: -0.495 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-07-21 01:59:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 50.648 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.563 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.739 ms

Loss rate: 0.61%

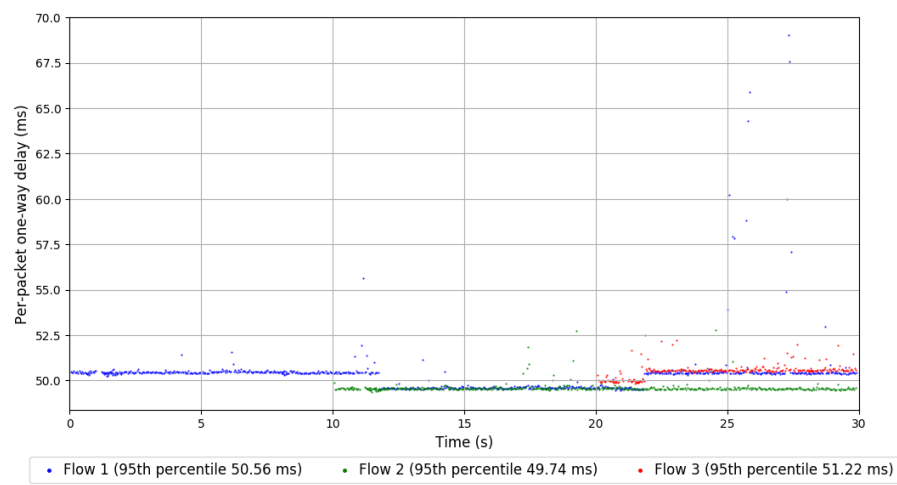
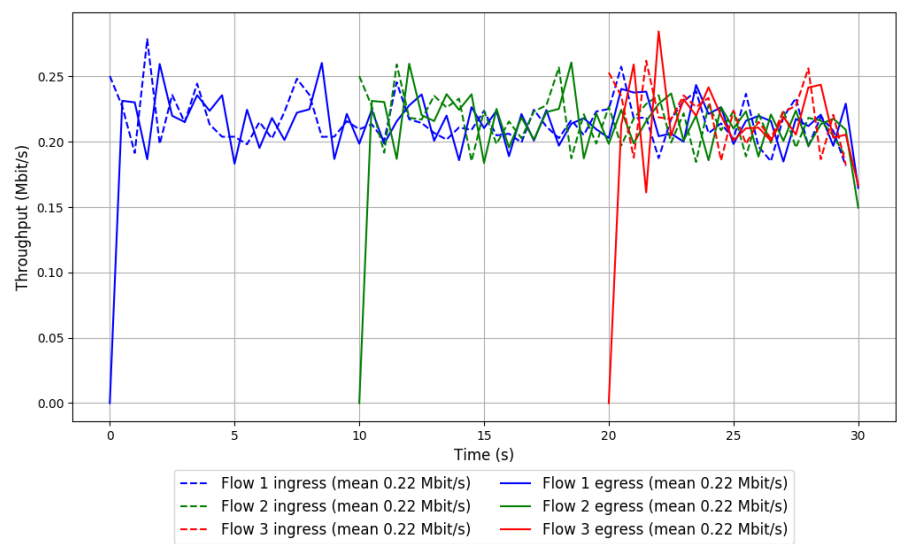
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.218 ms

Loss rate: 1.08%

Run 9: Report of SReAM — Data Link

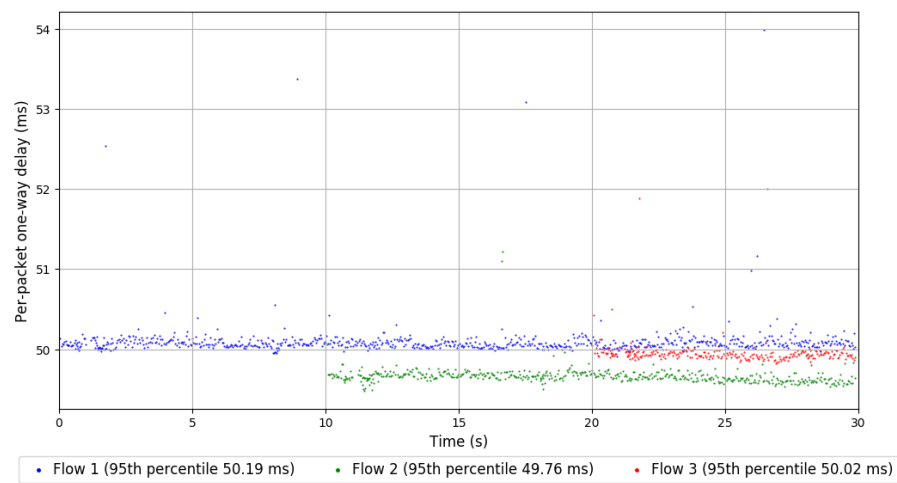
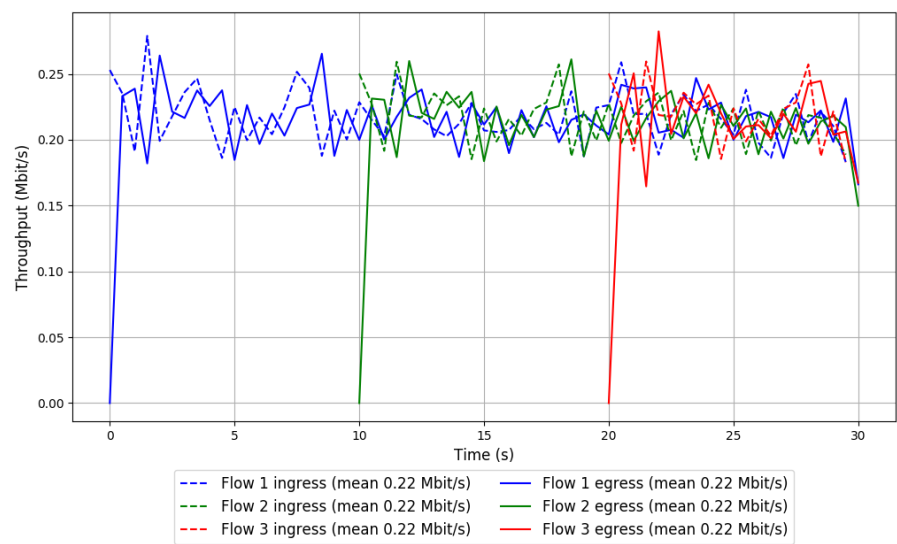


Run 10: Statistics of SReAM

Start at: 2018-07-20 23:58:14
End at: 2018-07-20 23:58:44
Local clock offset: -0.066 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-21 01:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.162 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.194 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.756 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.023 ms
Loss rate: 1.09%

Run 10: Report of SCReAM — Data Link

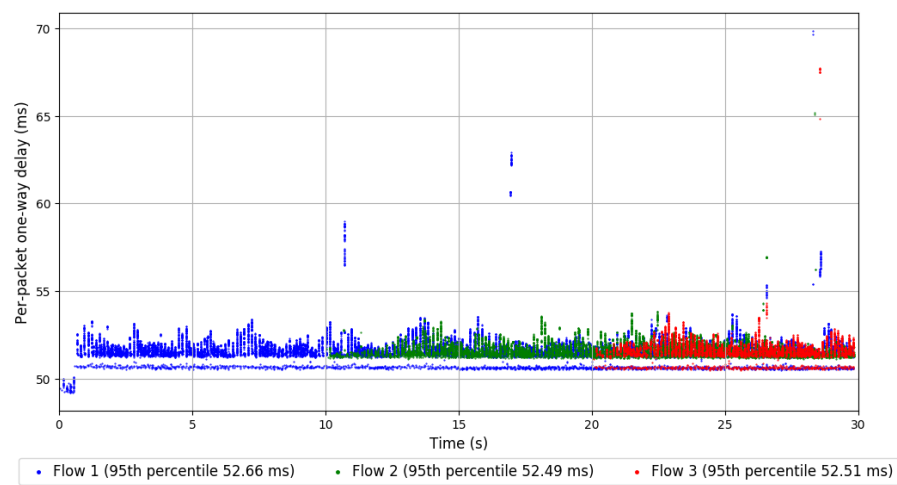
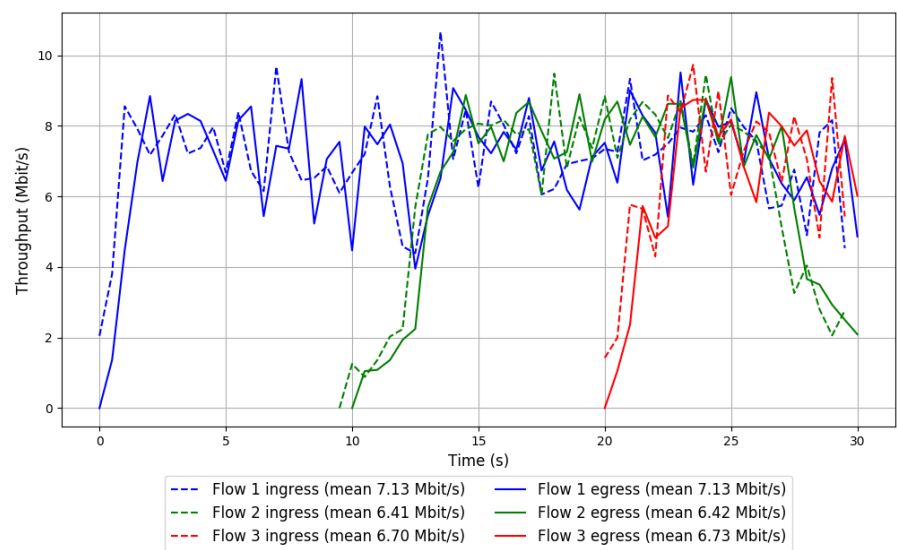


Run 1: Statistics of Sprout

Start at: 2018-07-20 20:15:55
End at: 2018-07-20 20:16:25
Local clock offset: 0.29 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-21 01:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.60 Mbit/s
95th percentile per-packet one-way delay: 52.584 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 7.13 Mbit/s
95th percentile per-packet one-way delay: 52.659 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 52.495 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 6.73 Mbit/s
95th percentile per-packet one-way delay: 52.509 ms
Loss rate: 0.79%

Run 1: Report of Sprout — Data Link

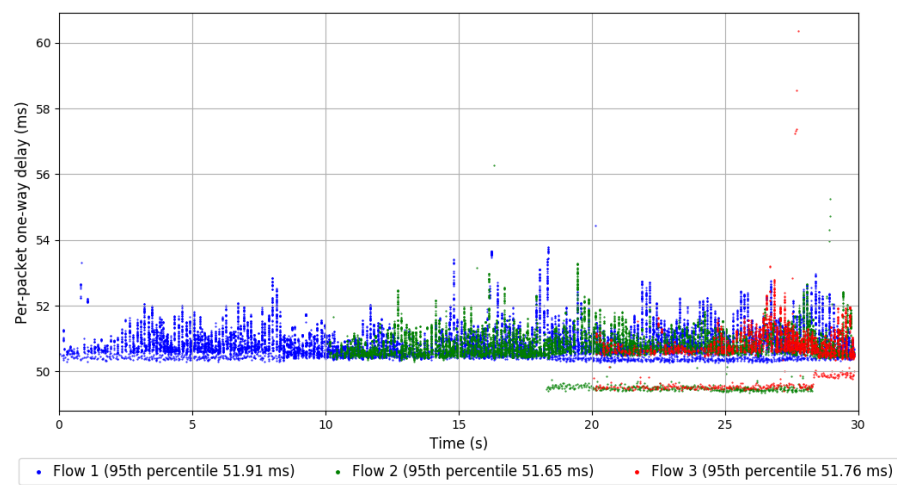
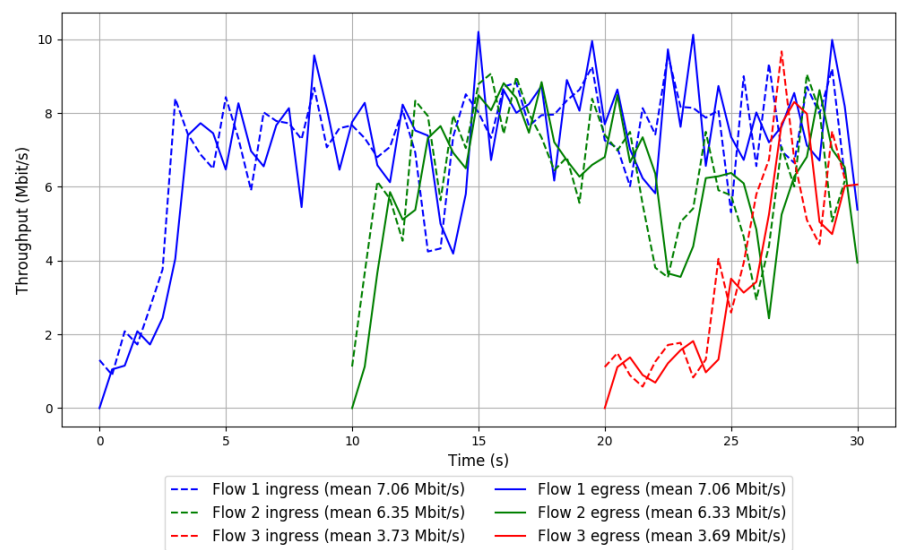


Run 2: Statistics of Sprout

Start at: 2018-07-20 20:39:27
End at: 2018-07-20 20:39:57
Local clock offset: -0.444 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-21 01:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 51.824 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 51.910 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 6.33 Mbit/s
95th percentile per-packet one-way delay: 51.648 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 3.69 Mbit/s
95th percentile per-packet one-way delay: 51.755 ms
Loss rate: 2.22%

Run 2: Report of Sprout — Data Link

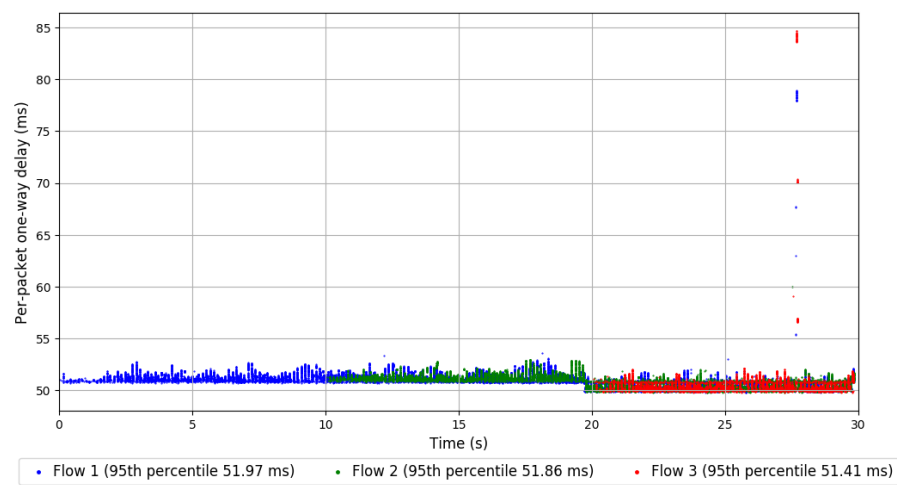
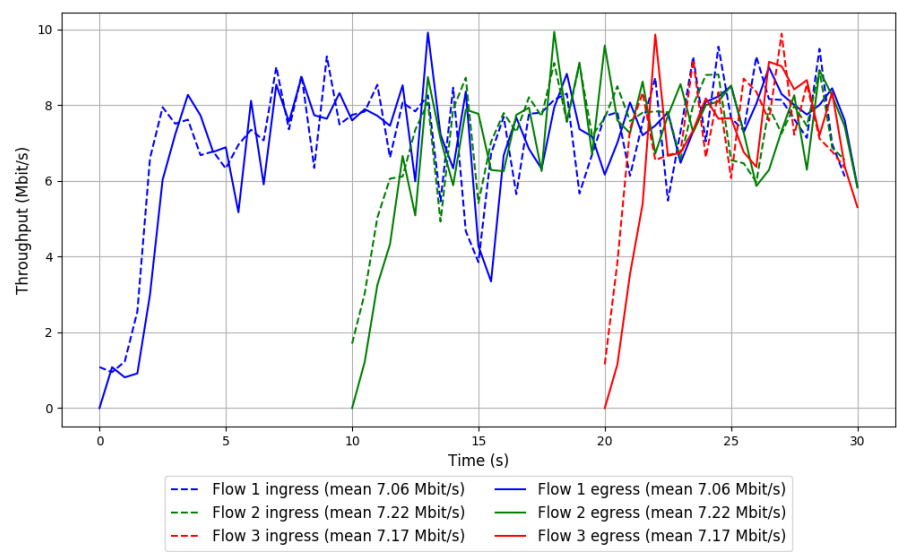


Run 3: Statistics of Sprout

Start at: 2018-07-20 21:02:56
End at: 2018-07-20 21:03:26
Local clock offset: -0.124 ms
Remote clock offset: -0.092 ms

```
# Below is generated by plot.py at 2018-07-21 01:59:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.20 Mbit/s
95th percentile per-packet one-way delay: 51.885 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 51.972 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 7.22 Mbit/s
95th percentile per-packet one-way delay: 51.856 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 7.17 Mbit/s
95th percentile per-packet one-way delay: 51.414 ms
Loss rate: 1.20%
```


Run 3: Report of Sprout — Data Link

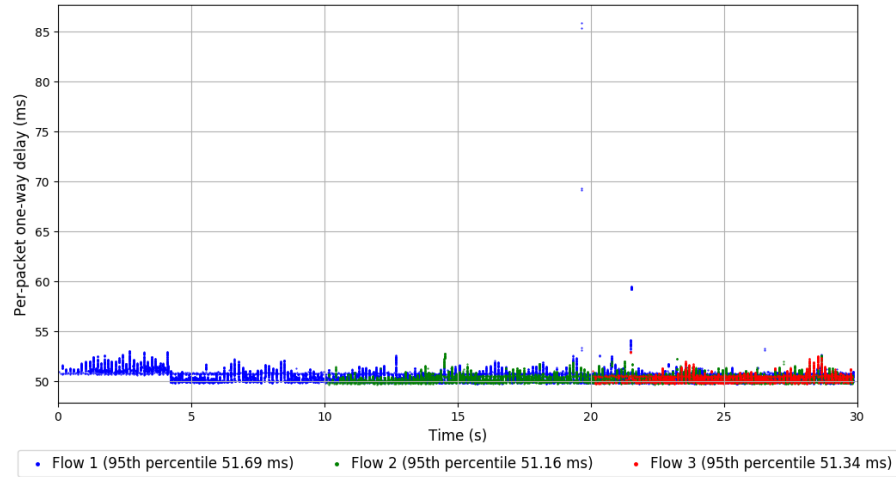
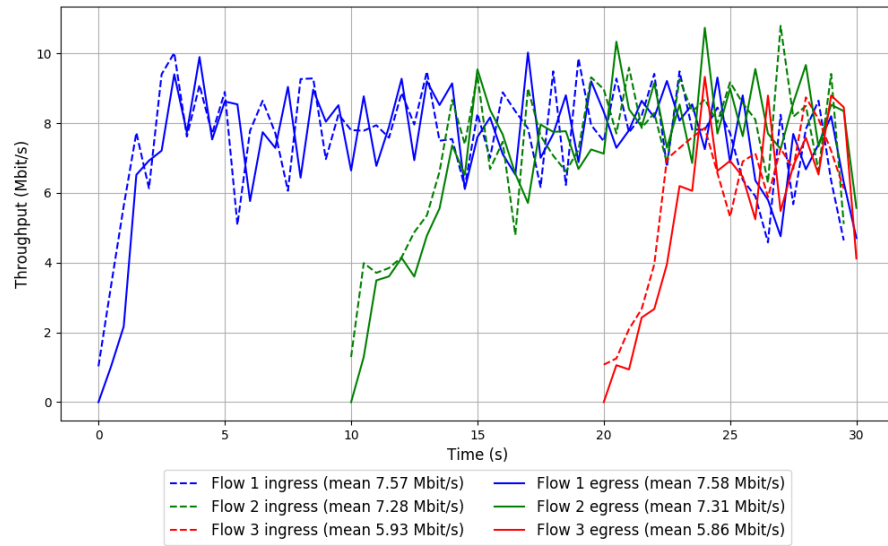


Run 4: Statistics of Sprout

Start at: 2018-07-20 21:26:51
End at: 2018-07-20 21:27:21
Local clock offset: -0.106 ms
Remote clock offset: 0.002 ms

```
# Below is generated by plot.py at 2018-07-21 01:59:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.35 Mbit/s
95th percentile per-packet one-way delay: 51.486 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 51.688 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 51.159 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 5.86 Mbit/s
95th percentile per-packet one-way delay: 51.345 ms
Loss rate: 1.96%
```

Run 4: Report of Sprout — Data Link

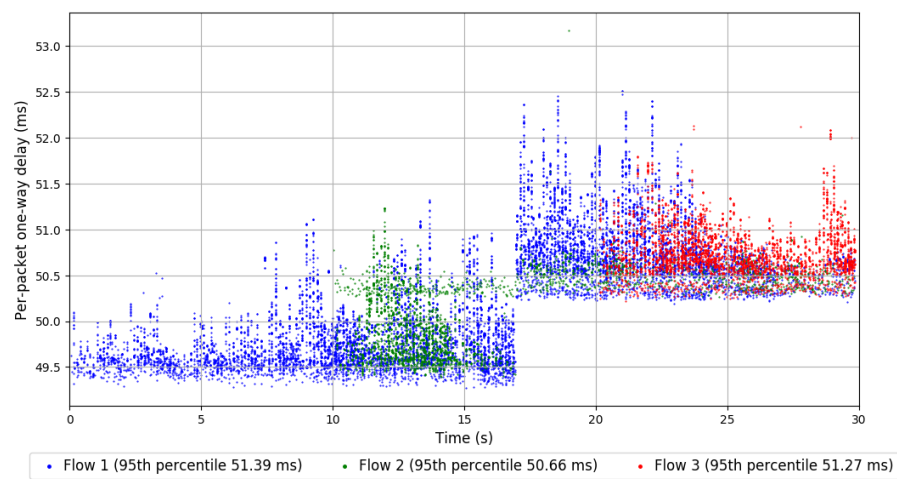
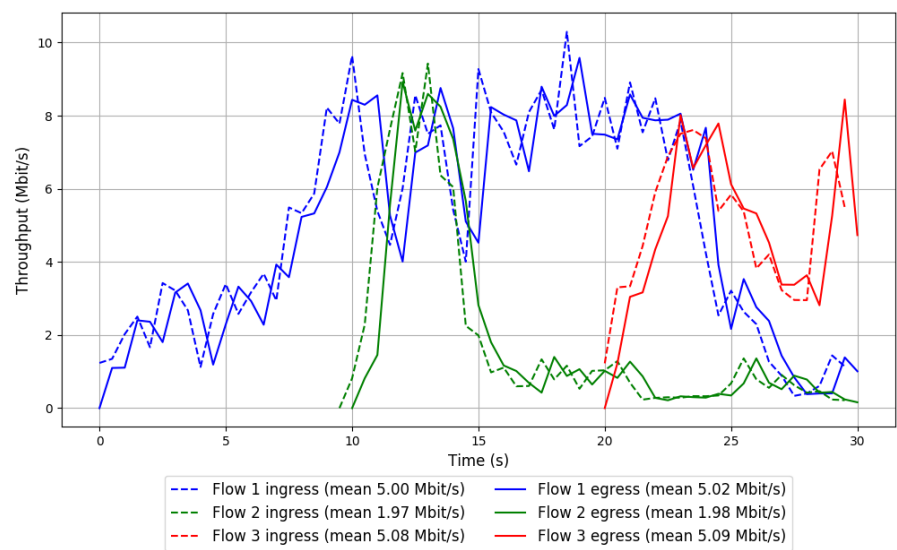


Run 5: Statistics of Sprout

Start at: 2018-07-20 21:50:40
End at: 2018-07-20 21:51:10
Local clock offset: -0.435 ms
Remote clock offset: 0.091 ms

Below is generated by plot.py at 2018-07-21 01:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 51.290 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 5.02 Mbit/s
95th percentile per-packet one-way delay: 51.388 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 50.655 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 5.09 Mbit/s
95th percentile per-packet one-way delay: 51.269 ms
Loss rate: 0.75%

Run 5: Report of Sprout — Data Link

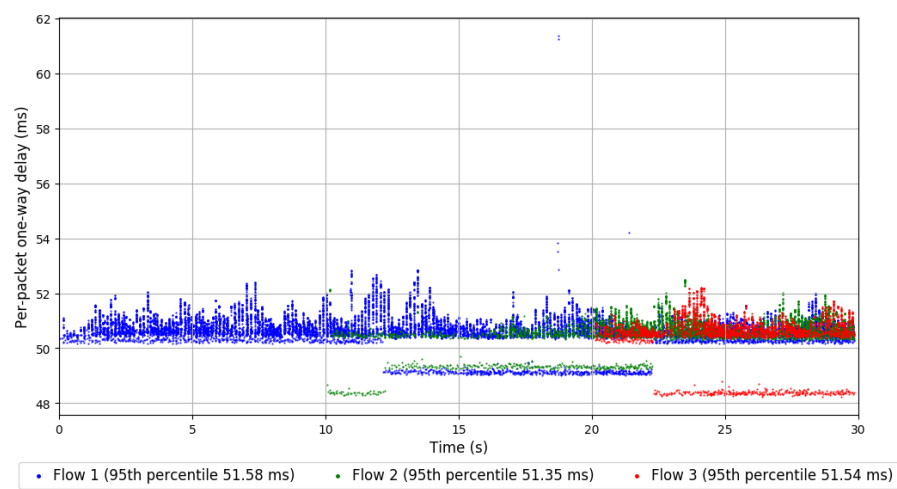
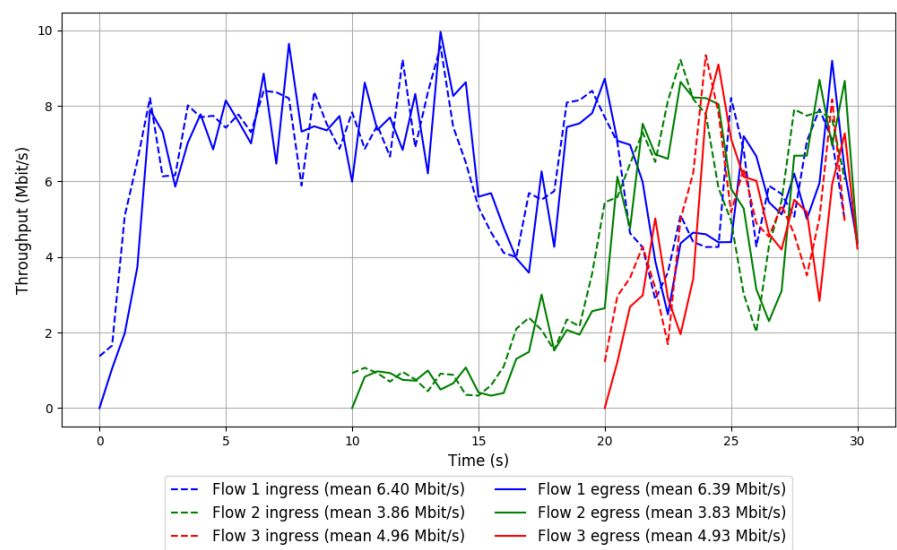


Run 6: Statistics of Sprout

Start at: 2018-07-20 22:14:33
End at: 2018-07-20 22:15:03
Local clock offset: -0.538 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-21 01:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.55 Mbit/s
95th percentile per-packet one-way delay: 51.528 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 6.39 Mbit/s
95th percentile per-packet one-way delay: 51.582 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 51.348 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 4.93 Mbit/s
95th percentile per-packet one-way delay: 51.537 ms
Loss rate: 1.64%

Run 6: Report of Sprout — Data Link

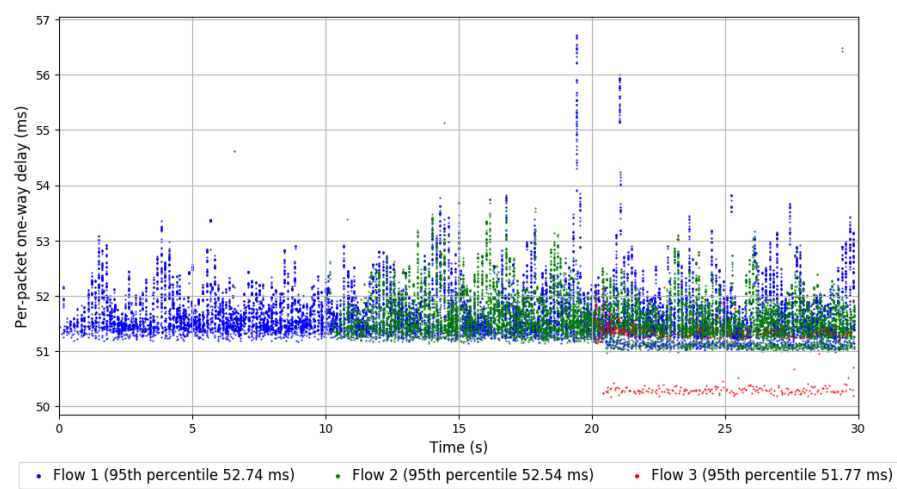
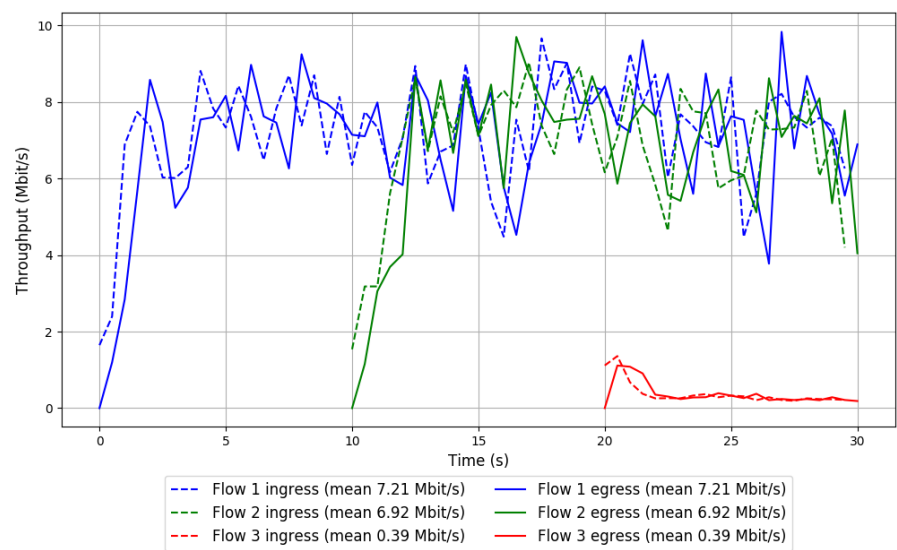


Run 7: Statistics of Sprout

Start at: 2018-07-20 22:38:25
End at: 2018-07-20 22:38:55
Local clock offset: 0.225 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-07-21 01:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.93 Mbit/s
95th percentile per-packet one-way delay: 52.654 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 52.739 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 6.92 Mbit/s
95th percentile per-packet one-way delay: 52.544 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 51.771 ms
Loss rate: 0.63%

Run 7: Report of Sprout — Data Link

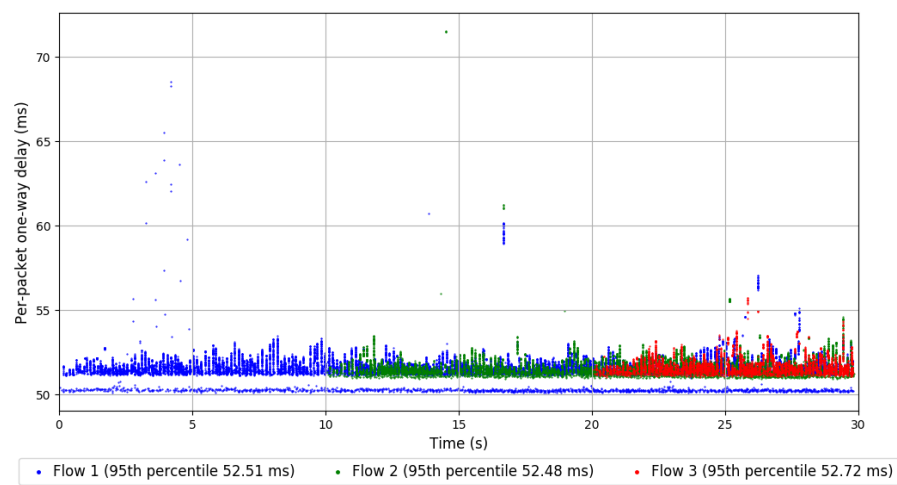
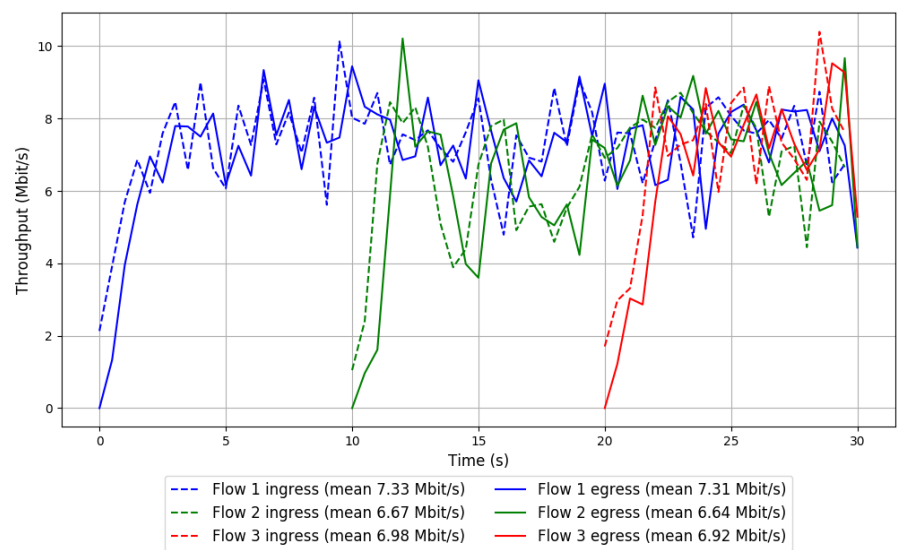


Run 8: Statistics of Sprout

Start at: 2018-07-20 23:02:09
End at: 2018-07-20 23:02:39
Local clock offset: 0.237 ms
Remote clock offset: -0.004 ms

```
# Below is generated by plot.py at 2018-07-21 01:59:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.98 Mbit/s
95th percentile per-packet one-way delay: 52.539 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 52.510 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 52.482 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 6.92 Mbit/s
95th percentile per-packet one-way delay: 52.721 ms
Loss rate: 1.70%
```

Run 8: Report of Sprout — Data Link

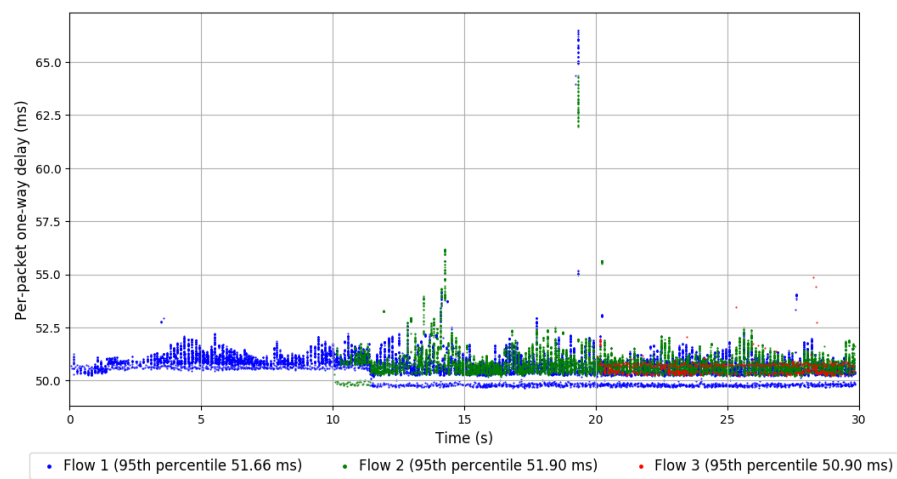
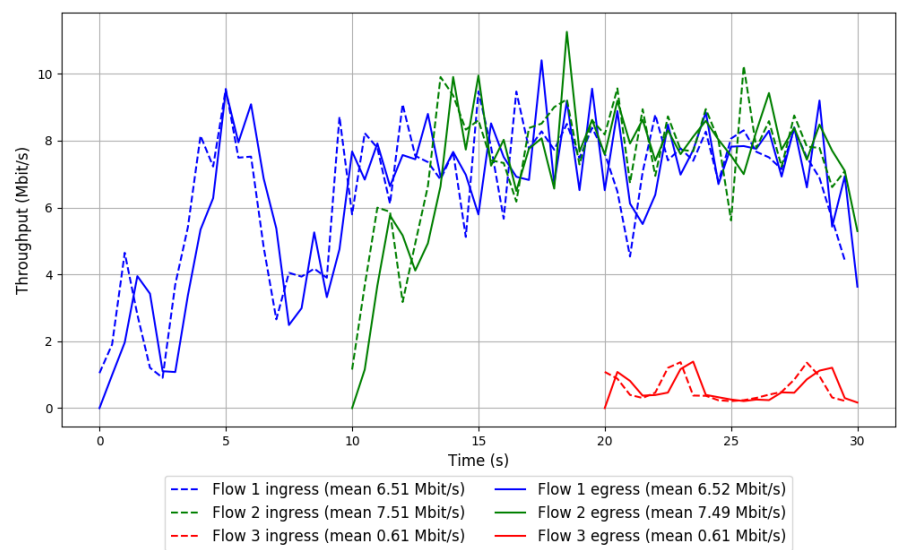


Run 9: Statistics of Sprout

Start at: 2018-07-20 23:26:04
End at: 2018-07-20 23:26:34
Local clock offset: -0.158 ms
Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-21 01:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.69 Mbit/s
95th percentile per-packet one-way delay: 51.737 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 6.52 Mbit/s
95th percentile per-packet one-way delay: 51.656 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 7.49 Mbit/s
95th percentile per-packet one-way delay: 51.896 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 50.898 ms
Loss rate: 0.58%

Run 9: Report of Sprout — Data Link

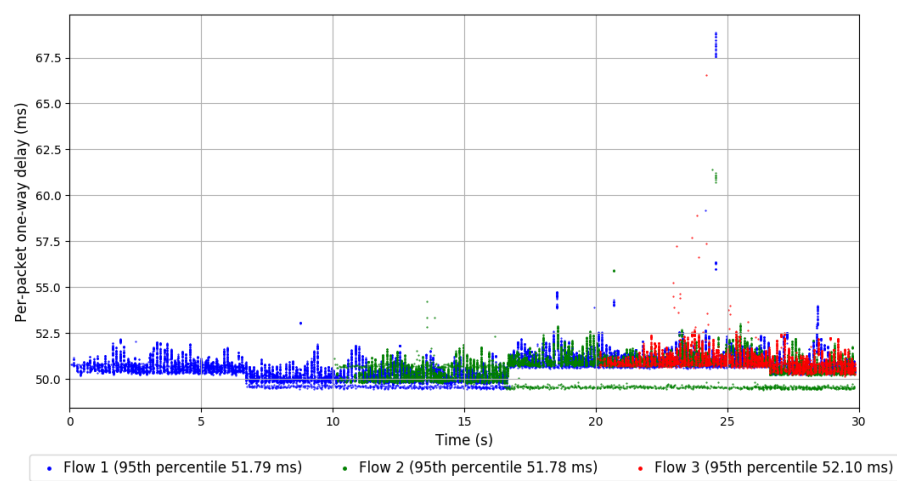
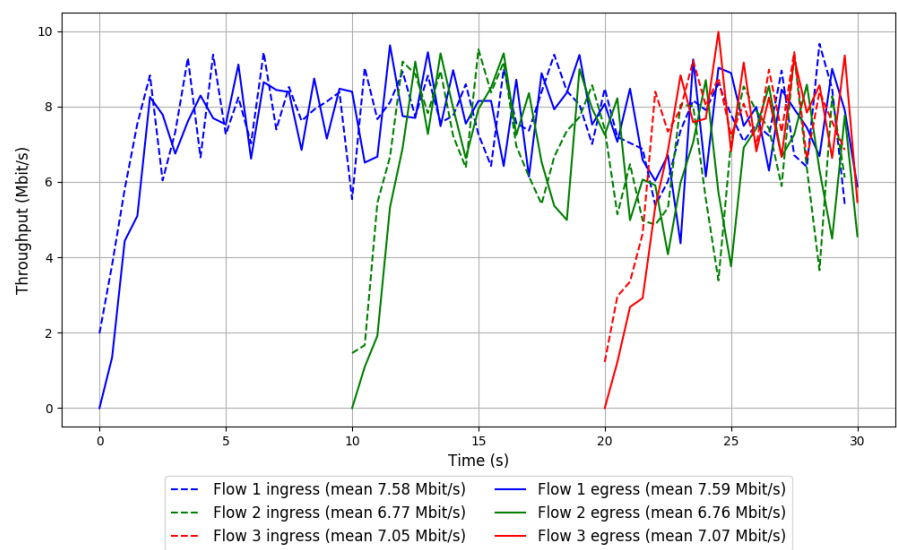


Run 10: Statistics of Sprout

Start at: 2018-07-20 23:49:59
End at: 2018-07-20 23:50:29
Local clock offset: -0.095 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-21 01:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.39 Mbit/s
95th percentile per-packet one-way delay: 51.855 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 51.789 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 6.76 Mbit/s
95th percentile per-packet one-way delay: 51.785 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 7.07 Mbit/s
95th percentile per-packet one-way delay: 52.105 ms
Loss rate: 1.00%

Run 10: Report of Sprout — Data Link

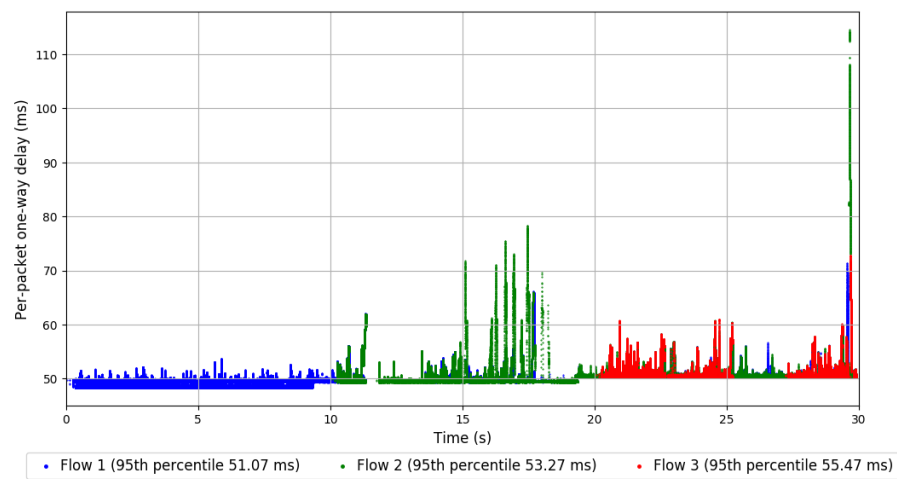
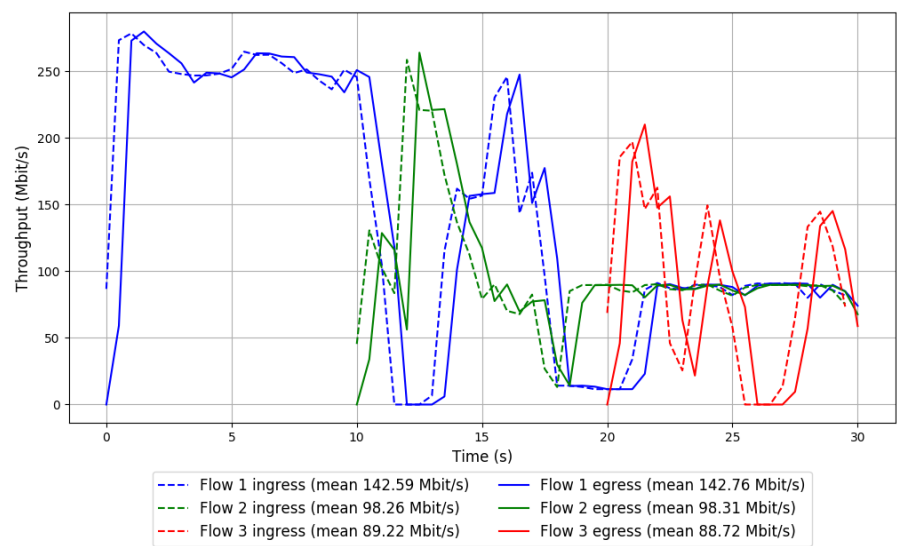


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-20 20:05:36
End at: 2018-07-20 20:06:06
Local clock offset: -0.454 ms
Remote clock offset: -0.028 ms

# Below is generated by plot.py at 2018-07-21 02:03:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 237.40 Mbit/s
95th percentile per-packet one-way delay: 52.408 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 142.76 Mbit/s
95th percentile per-packet one-way delay: 51.066 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 98.31 Mbit/s
95th percentile per-packet one-way delay: 53.273 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 88.72 Mbit/s
95th percentile per-packet one-way delay: 55.474 ms
Loss rate: 1.56%
```


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

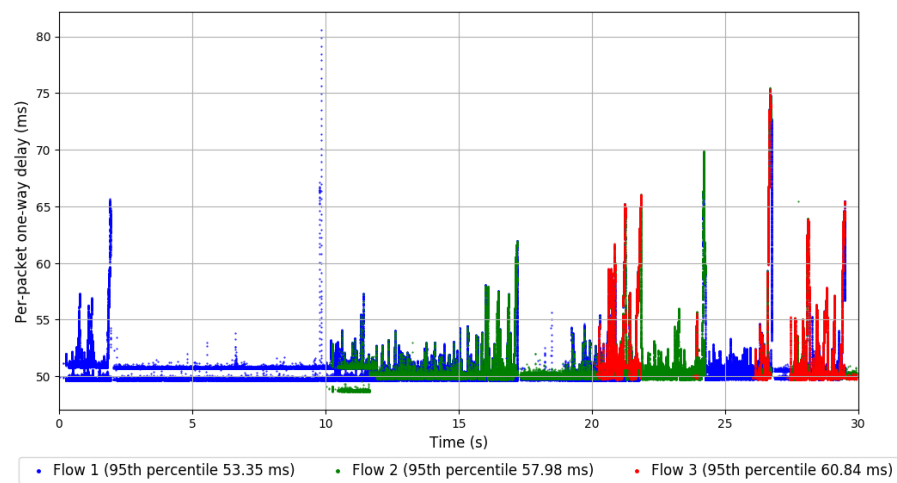
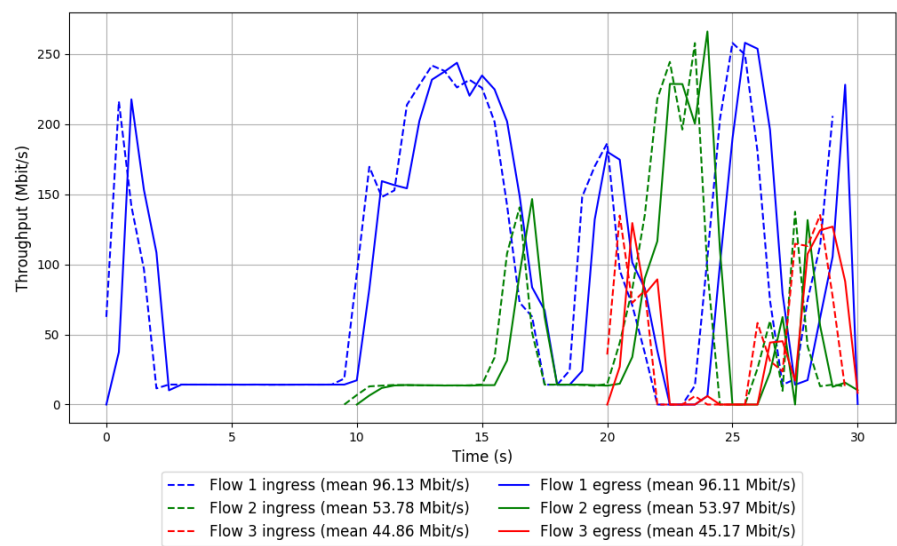


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-20 20:29:14
End at: 2018-07-20 20:29:44
Local clock offset: -0.089 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-21 02:03:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 145.57 Mbit/s
95th percentile per-packet one-way delay: 55.612 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 53.351 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 53.97 Mbit/s
95th percentile per-packet one-way delay: 57.984 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 45.17 Mbit/s
95th percentile per-packet one-way delay: 60.838 ms
Loss rate: 0.32%

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

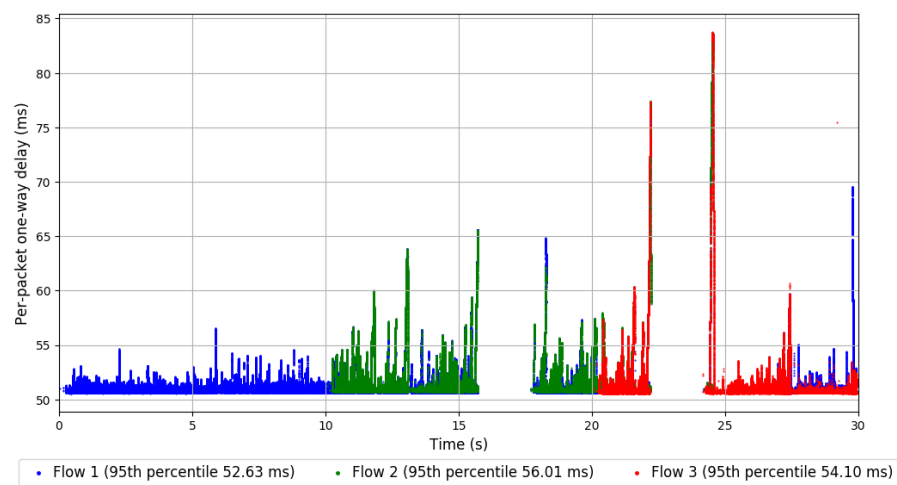
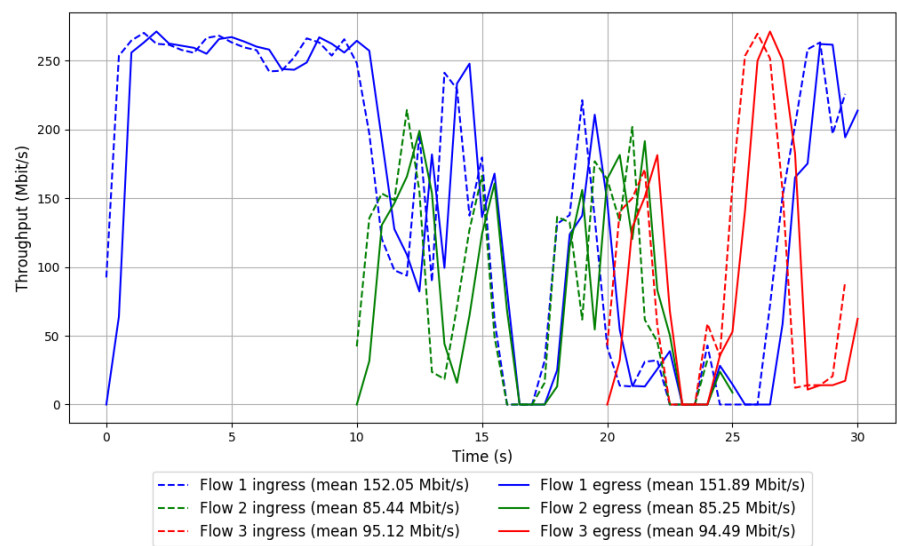


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-20 20:52:51
End at: 2018-07-20 20:53:21
Local clock offset: -0.099 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-21 02:03:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 224.36 Mbit/s
95th percentile per-packet one-way delay: 53.745 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 151.89 Mbit/s
95th percentile per-packet one-way delay: 52.630 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 85.25 Mbit/s
95th percentile per-packet one-way delay: 56.008 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 94.49 Mbit/s
95th percentile per-packet one-way delay: 54.099 ms
Loss rate: 1.68%

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

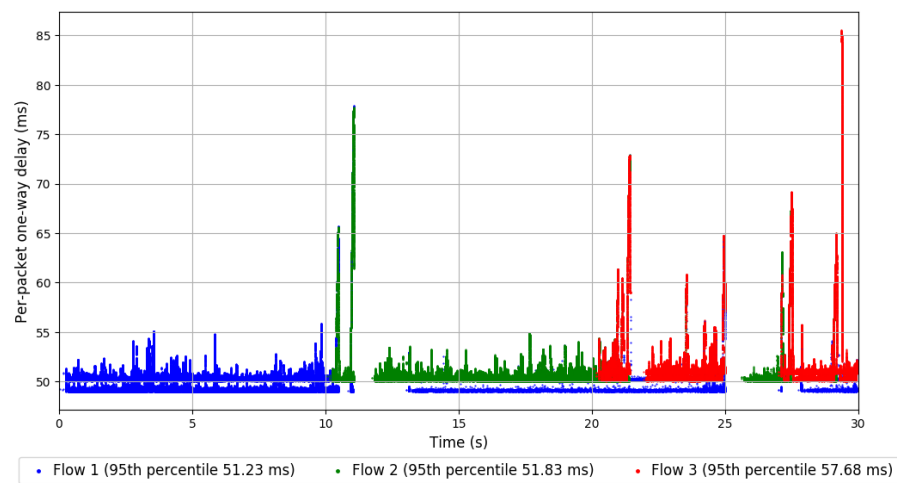
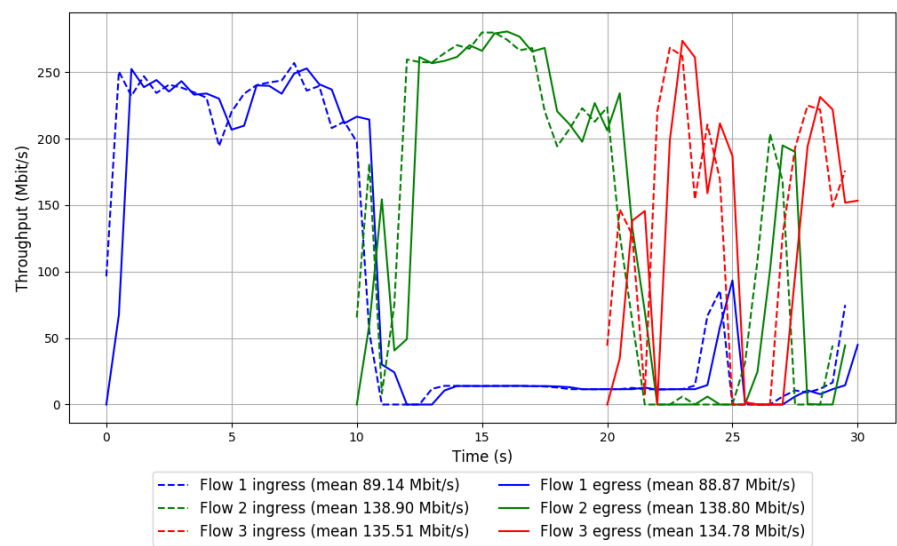


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-20 21:16:30
End at: 2018-07-20 21:17:00
Local clock offset: 0.238 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-21 02:03:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 222.18 Mbit/s
95th percentile per-packet one-way delay: 52.271 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 88.87 Mbit/s
95th percentile per-packet one-way delay: 51.230 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 138.80 Mbit/s
95th percentile per-packet one-way delay: 51.829 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 134.78 Mbit/s
95th percentile per-packet one-way delay: 57.676 ms
Loss rate: 1.55%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-20 21:40:18

End at: 2018-07-20 21:40:48

Local clock offset: -0.463 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-21 02:03:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 189.22 Mbit/s

95th percentile per-packet one-way delay: 53.903 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 111.11 Mbit/s

95th percentile per-packet one-way delay: 54.469 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 85.10 Mbit/s

95th percentile per-packet one-way delay: 51.802 ms

Loss rate: 0.05%

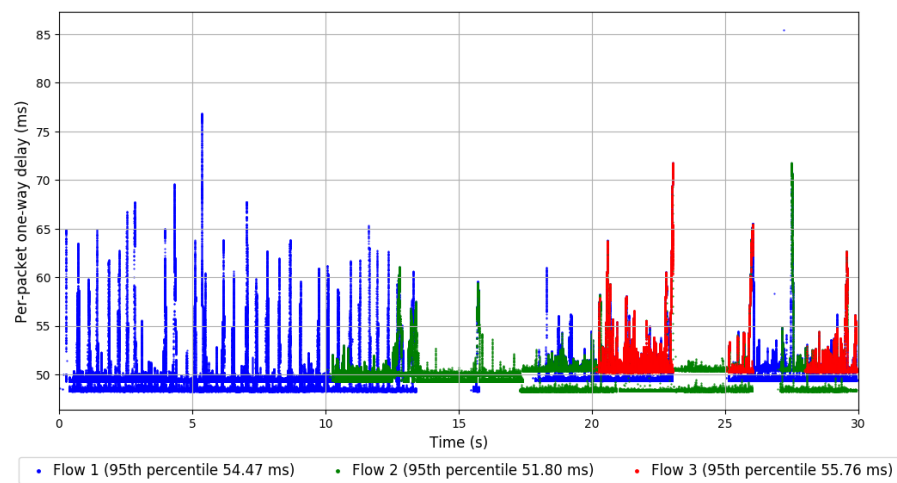
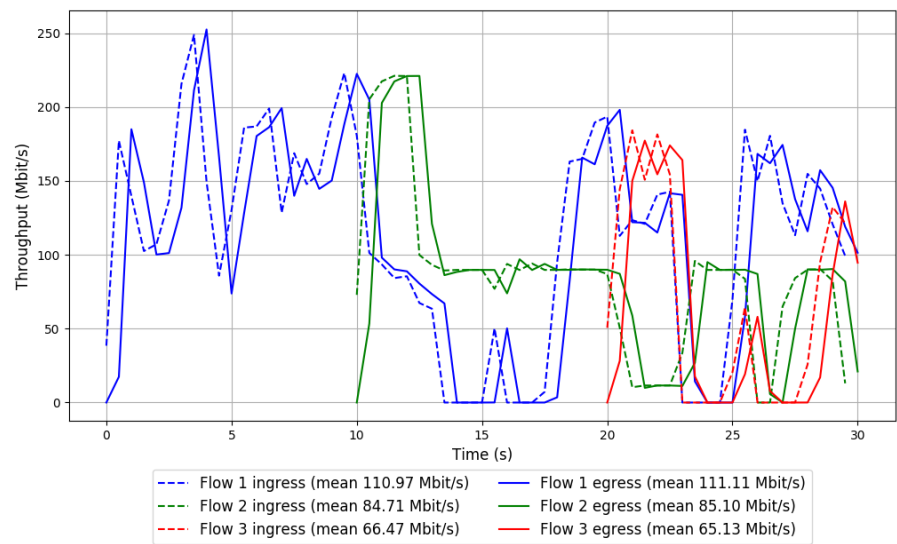
-- Flow 3:

Average throughput: 65.13 Mbit/s

95th percentile per-packet one-way delay: 55.758 ms

Loss rate: 3.02%

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

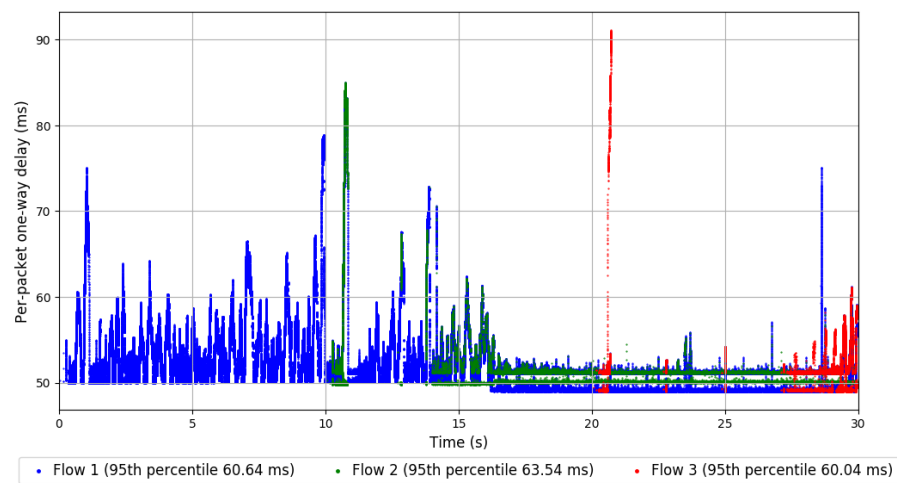
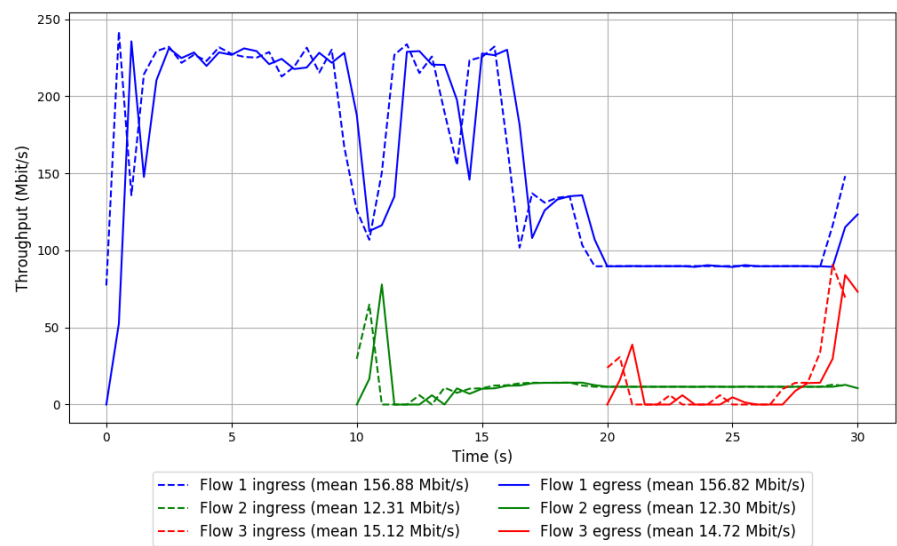


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-20 22:04:09
End at: 2018-07-20 22:04:39
Local clock offset: 0.238 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-21 02:03:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 169.85 Mbit/s
95th percentile per-packet one-way delay: 60.696 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 156.82 Mbit/s
95th percentile per-packet one-way delay: 60.643 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 63.544 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 14.72 Mbit/s
95th percentile per-packet one-way delay: 60.044 ms
Loss rate: 2.89%

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

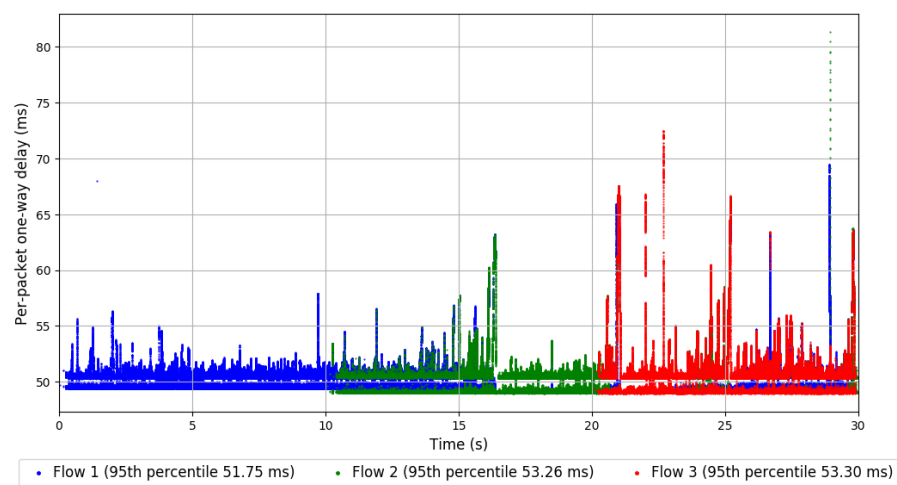
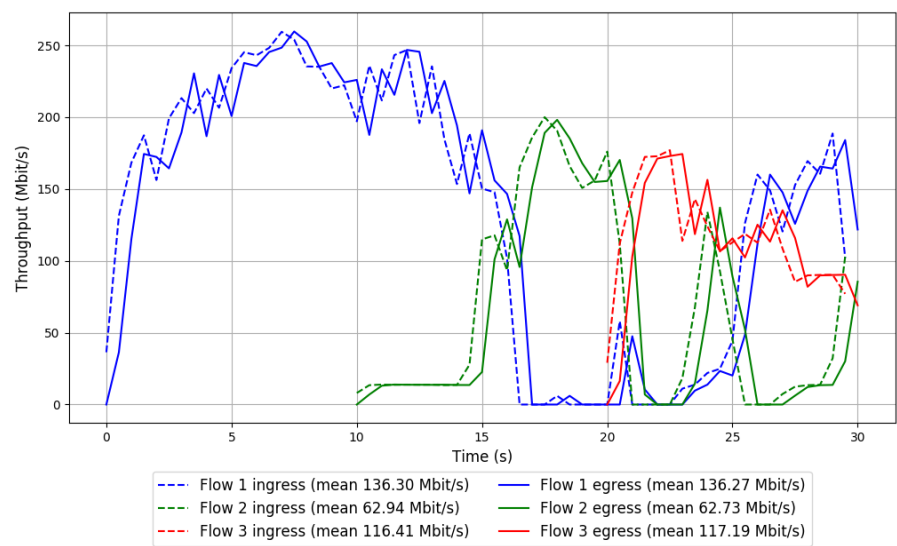


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-20 22:28:01
End at: 2018-07-20 22:28:31
Local clock offset: -0.482 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-21 02:04:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 216.14 Mbit/s
95th percentile per-packet one-way delay: 52.241 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 136.27 Mbit/s
95th percentile per-packet one-way delay: 51.750 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.73 Mbit/s
95th percentile per-packet one-way delay: 53.261 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 117.19 Mbit/s
95th percentile per-packet one-way delay: 53.296 ms
Loss rate: 0.74%

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

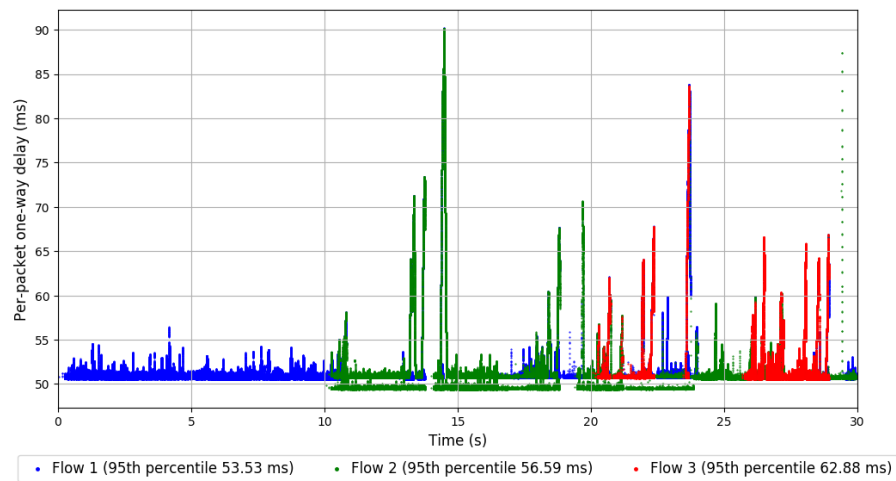
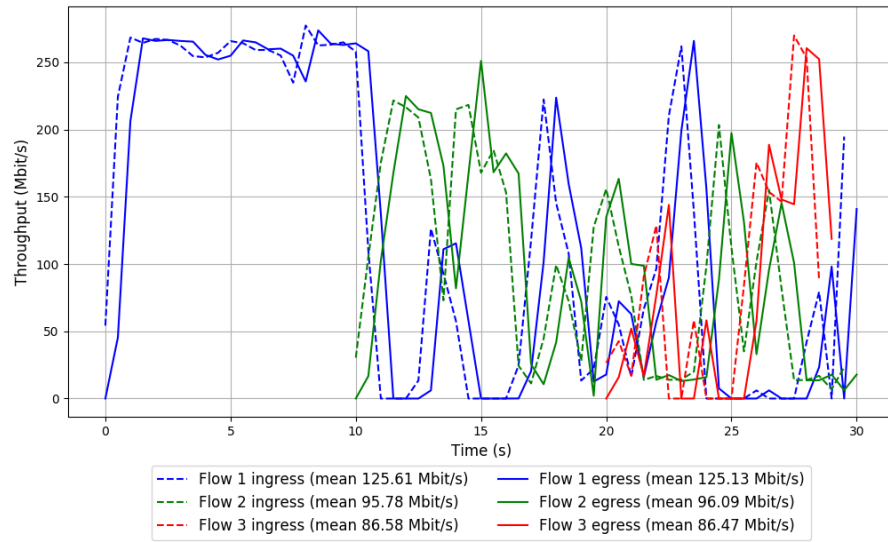


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-20 22:51:52
End at: 2018-07-20 22:52:22
Local clock offset: -0.126 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-21 02:06:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 214.69 Mbit/s
95th percentile per-packet one-way delay: 55.866 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 125.13 Mbit/s
95th percentile per-packet one-way delay: 53.533 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 96.09 Mbit/s
95th percentile per-packet one-way delay: 56.586 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 86.47 Mbit/s
95th percentile per-packet one-way delay: 62.885 ms
Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-20 23:15:37

End at: 2018-07-20 23:16:07

Local clock offset: 0.215 ms

Remote clock offset: 0.079 ms

Below is generated by plot.py at 2018-07-21 02:09:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 250.30 Mbit/s

95th percentile per-packet one-way delay: 52.879 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 128.43 Mbit/s

95th percentile per-packet one-way delay: 51.841 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 86.44 Mbit/s

95th percentile per-packet one-way delay: 54.638 ms

Loss rate: 0.22%

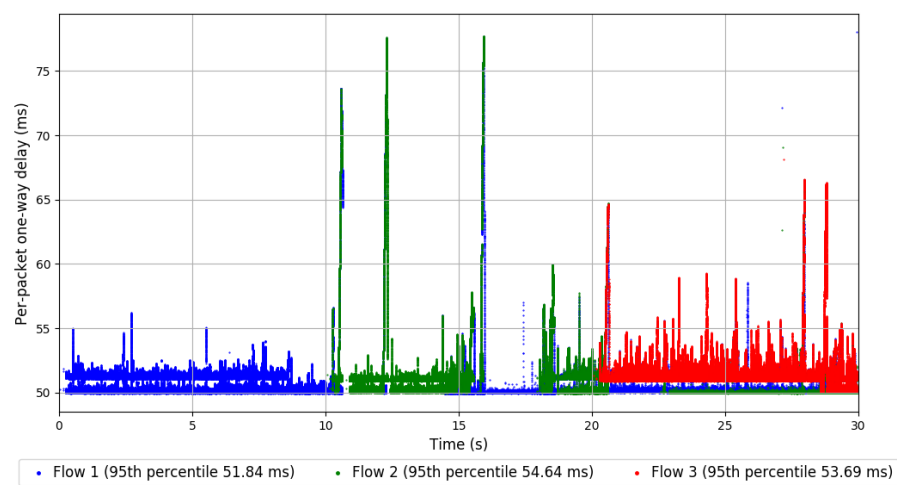
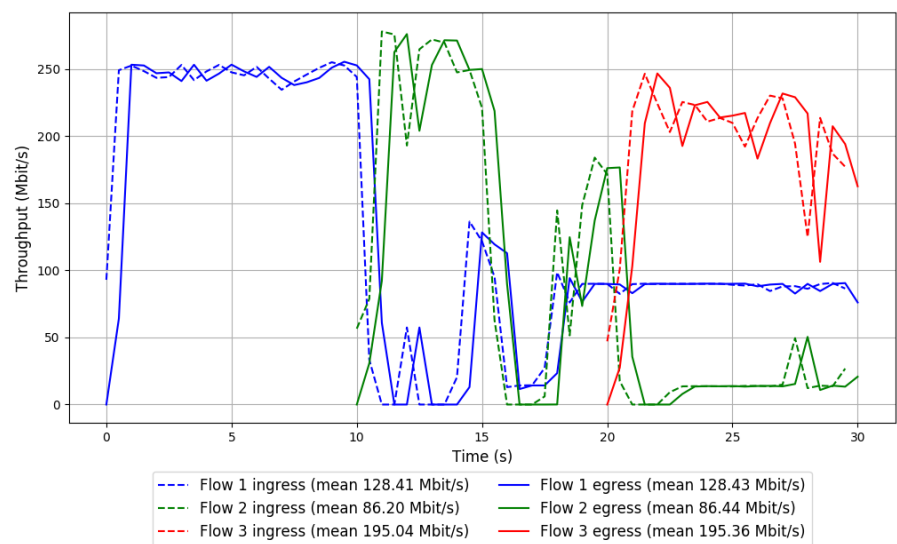
-- Flow 3:

Average throughput: 195.36 Mbit/s

95th percentile per-packet one-way delay: 53.691 ms

Loss rate: 0.84%

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

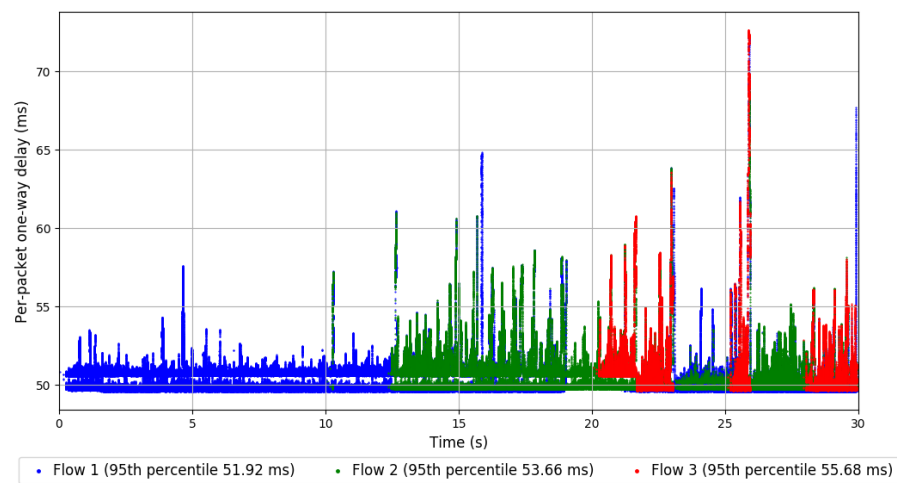
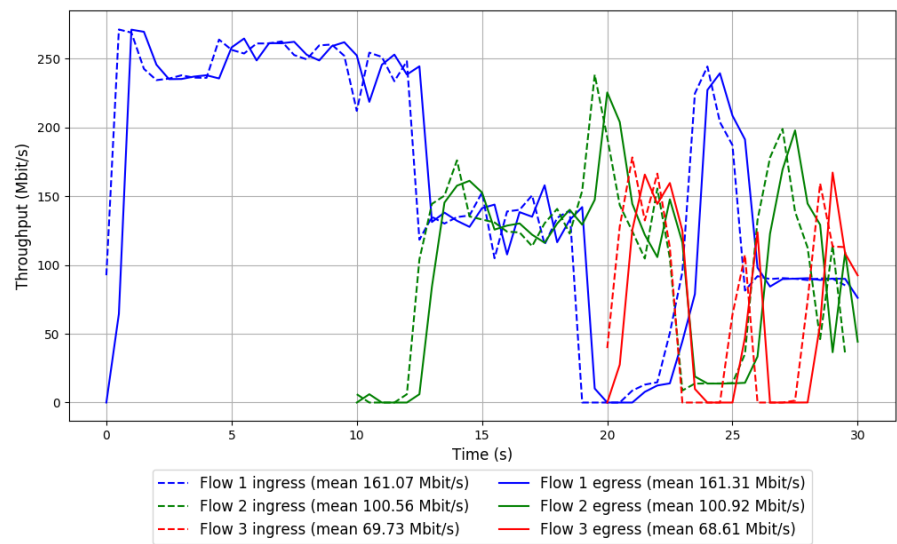


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-07-20 23:39:34
End at: 2018-07-20 23:40:04
Local clock offset: -0.116 ms
Remote clock offset: 0.023 ms

# Below is generated by plot.py at 2018-07-21 02:10:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 251.07 Mbit/s
95th percentile per-packet one-way delay: 52.907 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 161.31 Mbit/s
95th percentile per-packet one-way delay: 51.924 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 100.92 Mbit/s
95th percentile per-packet one-way delay: 53.655 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 68.61 Mbit/s
95th percentile per-packet one-way delay: 55.683 ms
Loss rate: 2.60%
```

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

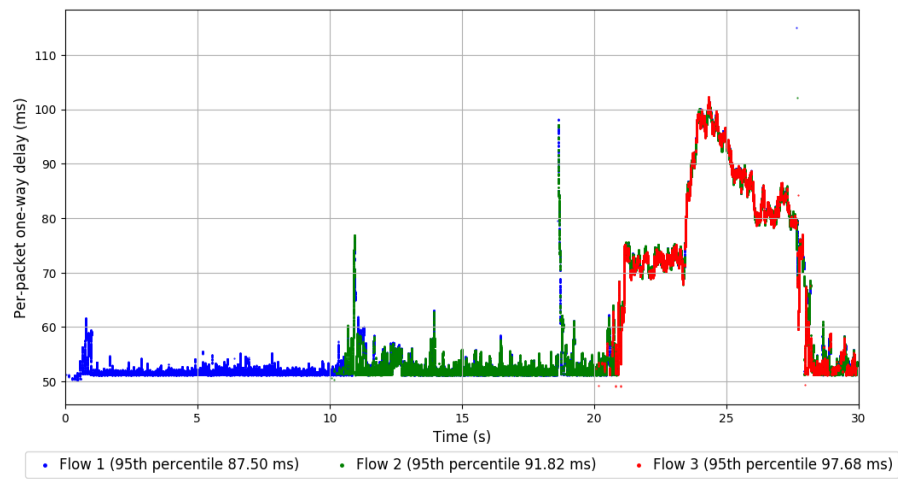
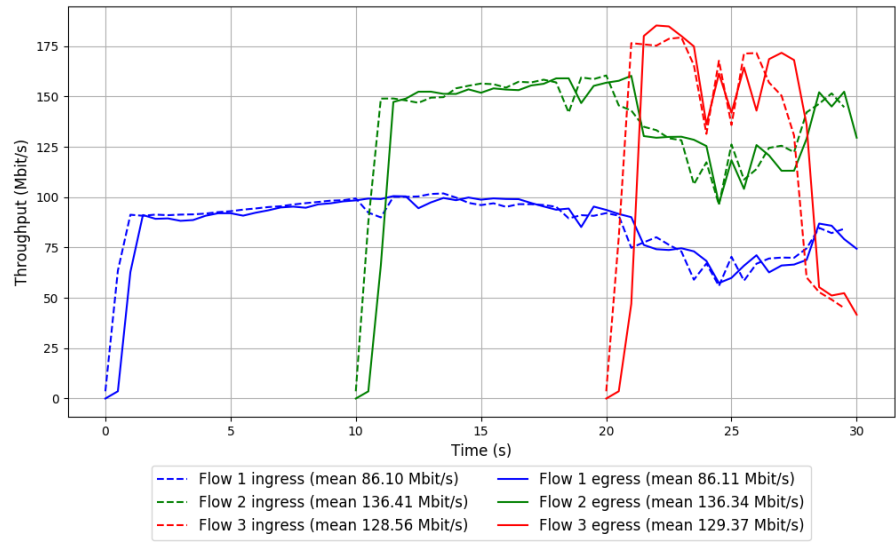


Run 1: Statistics of TCP Vegas

Start at: 2018-07-20 20:07:05
End at: 2018-07-20 20:07:35
Local clock offset: 0.242 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-21 02:10:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 219.35 Mbit/s
95th percentile per-packet one-way delay: 94.545 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 86.11 Mbit/s
95th percentile per-packet one-way delay: 87.504 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 136.34 Mbit/s
95th percentile per-packet one-way delay: 91.823 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 129.37 Mbit/s
95th percentile per-packet one-way delay: 97.681 ms
Loss rate: 0.41%

Run 1: Report of TCP Vegas — Data Link

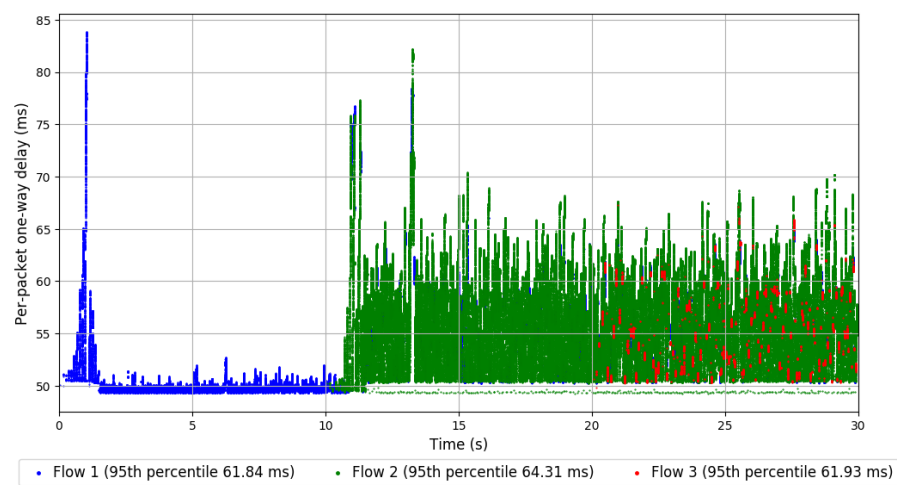
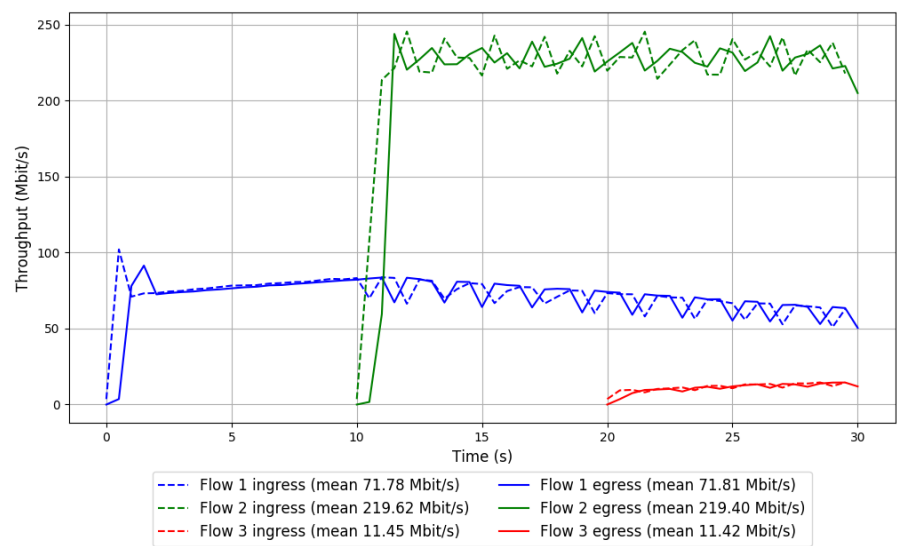


Run 2: Statistics of TCP Vegas

Start at: 2018-07-20 20:30:34
End at: 2018-07-20 20:31:04
Local clock offset: -0.419 ms
Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-21 02:10:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 221.40 Mbit/s
95th percentile per-packet one-way delay: 63.709 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 71.81 Mbit/s
95th percentile per-packet one-way delay: 61.845 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 219.40 Mbit/s
95th percentile per-packet one-way delay: 64.313 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 11.42 Mbit/s
95th percentile per-packet one-way delay: 61.928 ms
Loss rate: 1.31%

Run 2: Report of TCP Vegas — Data Link

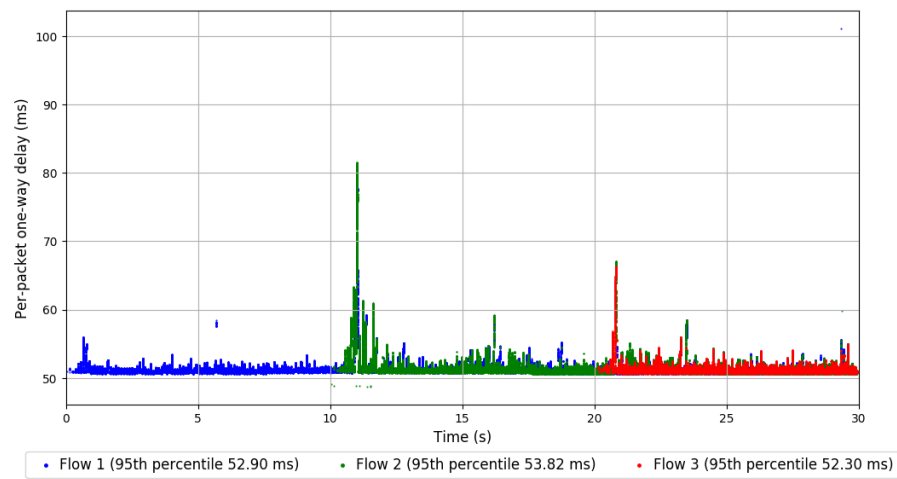
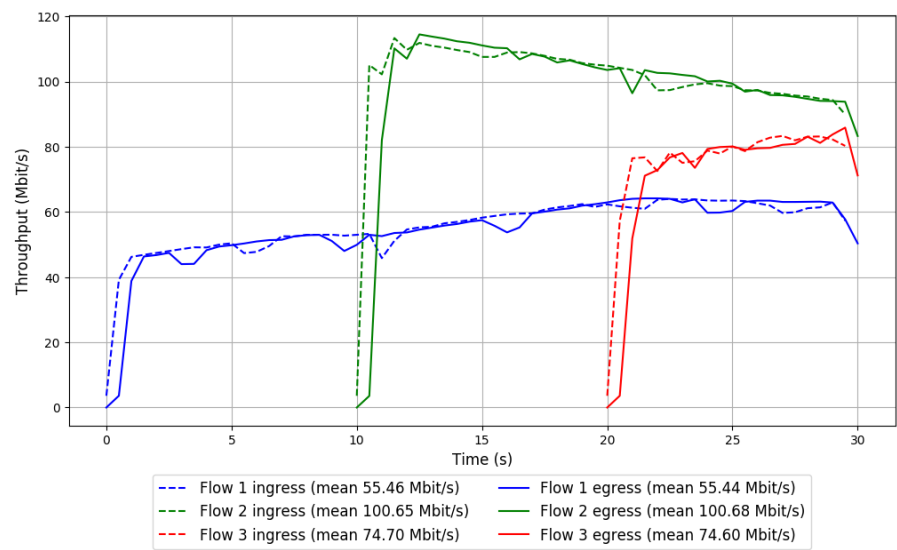


Run 3: Statistics of TCP Vegas

Start at: 2018-07-20 20:54:18
End at: 2018-07-20 20:54:48
Local clock offset: -0.113 ms
Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-21 02:10:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 147.04 Mbit/s
95th percentile per-packet one-way delay: 53.292 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 55.44 Mbit/s
95th percentile per-packet one-way delay: 52.904 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 100.68 Mbit/s
95th percentile per-packet one-way delay: 53.821 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 74.60 Mbit/s
95th percentile per-packet one-way delay: 52.303 ms
Loss rate: 1.16%

Run 3: Report of TCP Vegas — Data Link

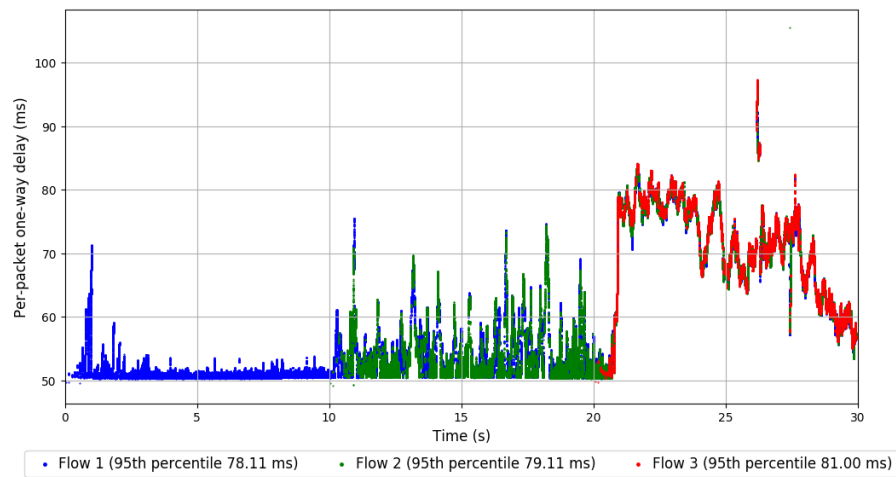
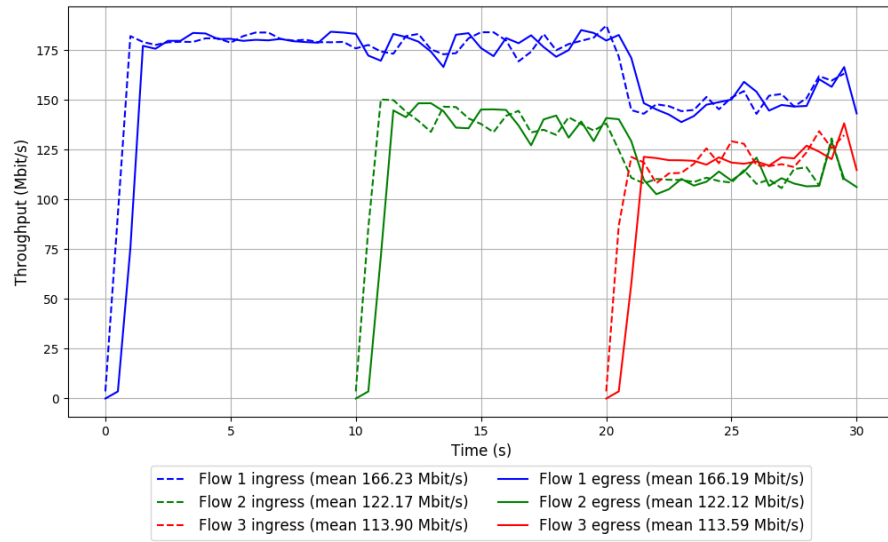


Run 4: Statistics of TCP Vegas

Start at: 2018-07-20 21:17:57
End at: 2018-07-20 21:18:27
Local clock offset: -0.469 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-21 02:10:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 284.93 Mbit/s
95th percentile per-packet one-way delay: 79.107 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 166.19 Mbit/s
95th percentile per-packet one-way delay: 78.106 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 122.12 Mbit/s
95th percentile per-packet one-way delay: 79.111 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 113.59 Mbit/s
95th percentile per-packet one-way delay: 81.004 ms
Loss rate: 1.26%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-20 21:41:42

End at: 2018-07-20 21:42:12

Local clock offset: -0.04 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2018-07-21 02:10:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 251.89 Mbit/s

95th percentile per-packet one-way delay: 64.238 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 226.43 Mbit/s

95th percentile per-packet one-way delay: 64.471 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 35.48 Mbit/s

95th percentile per-packet one-way delay: 60.735 ms

Loss rate: 0.56%

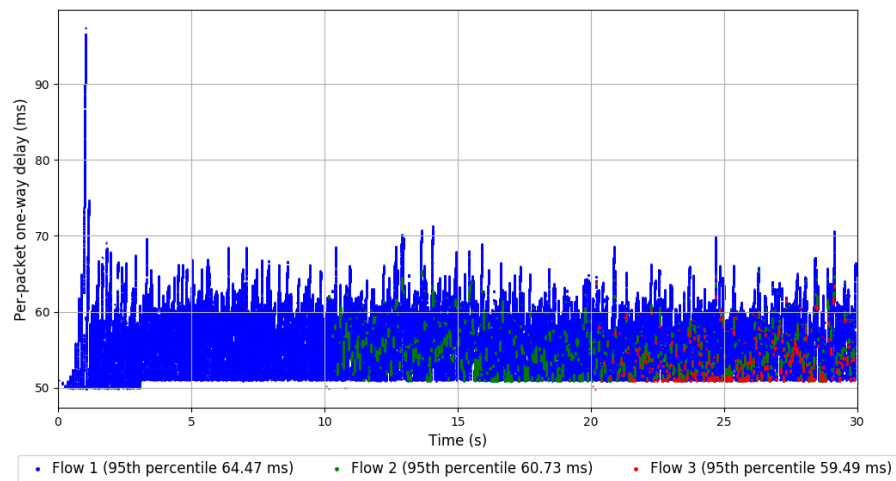
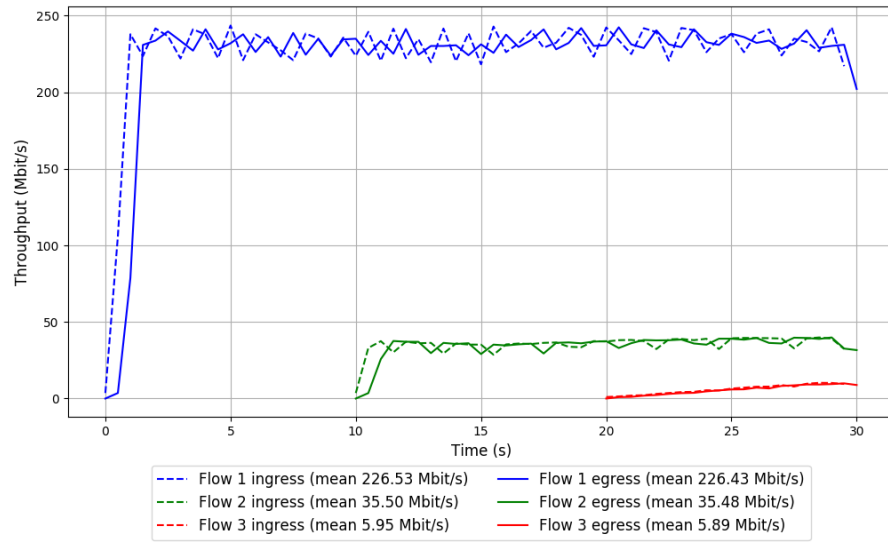
-- Flow 3:

Average throughput: 5.89 Mbit/s

95th percentile per-packet one-way delay: 59.490 ms

Loss rate: 1.98%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-20 22:05:32

End at: 2018-07-20 22:06:02

Local clock offset: -0.443 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-21 02:10:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 196.42 Mbit/s

95th percentile per-packet one-way delay: 67.735 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 76.09 Mbit/s

95th percentile per-packet one-way delay: 63.563 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 77.96 Mbit/s

95th percentile per-packet one-way delay: 64.758 ms

Loss rate: 0.29%

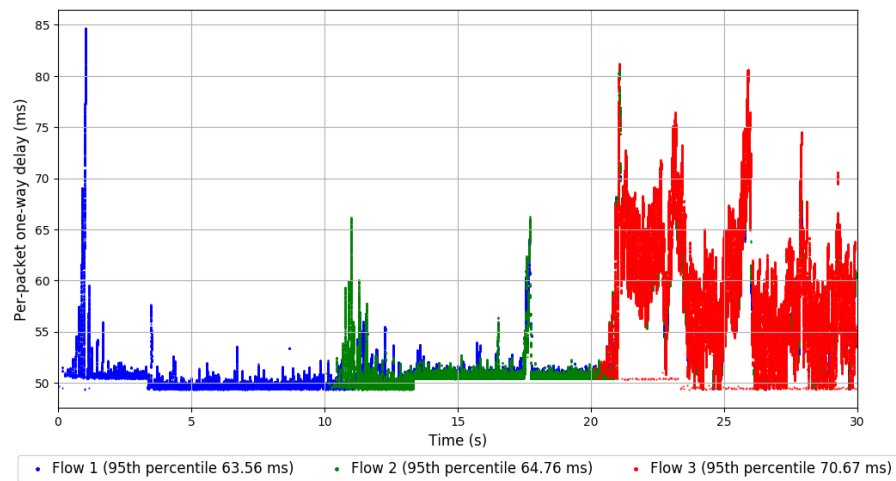
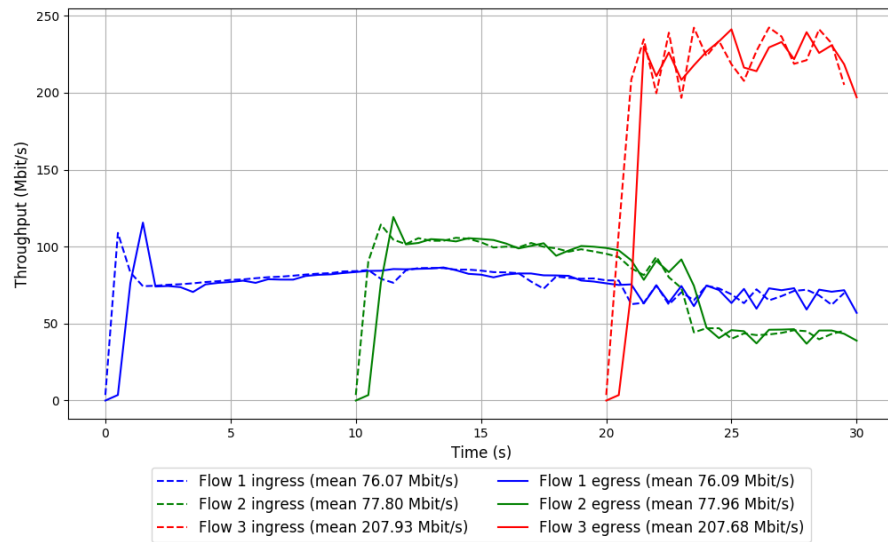
-- Flow 3:

Average throughput: 207.68 Mbit/s

95th percentile per-packet one-way delay: 70.665 ms

Loss rate: 1.15%

Run 6: Report of TCP Vegas — Data Link

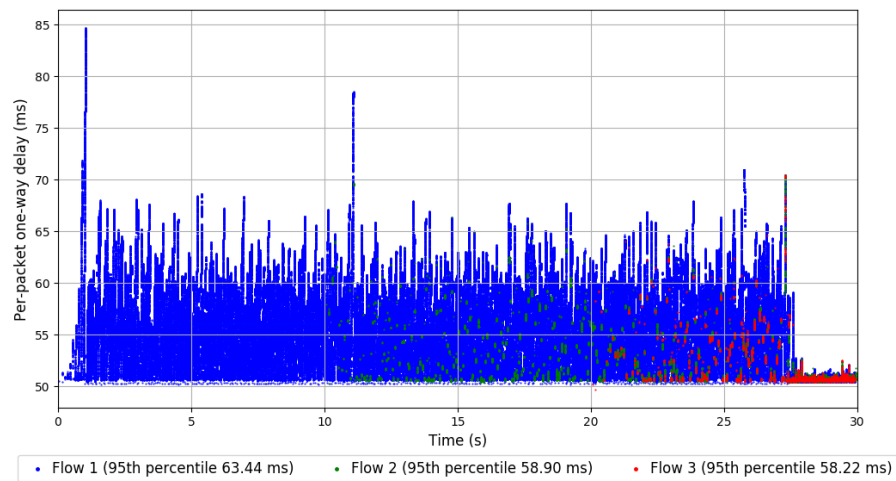
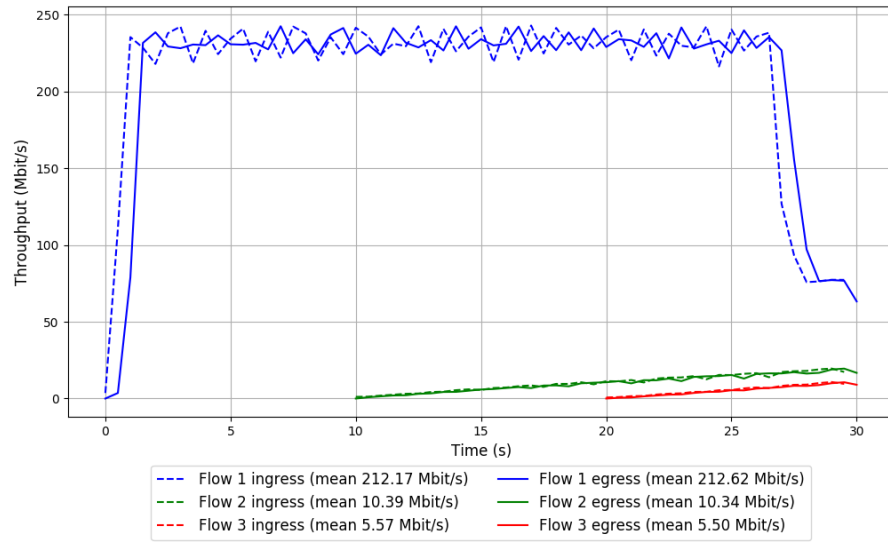


Run 7: Statistics of TCP Vegas

Start at: 2018-07-20 22:29:27
End at: 2018-07-20 22:29:57
Local clock offset: -0.458 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-21 02:10:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 221.14 Mbit/s
95th percentile per-packet one-way delay: 63.350 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 212.62 Mbit/s
95th percentile per-packet one-way delay: 63.437 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 10.34 Mbit/s
95th percentile per-packet one-way delay: 58.903 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 5.50 Mbit/s
95th percentile per-packet one-way delay: 58.223 ms
Loss rate: 2.23%

Run 7: Report of TCP Vegas — Data Link

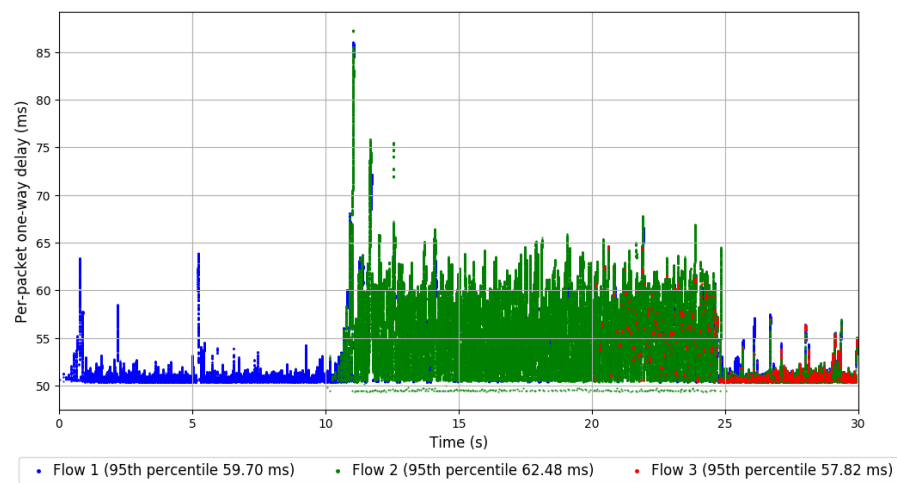
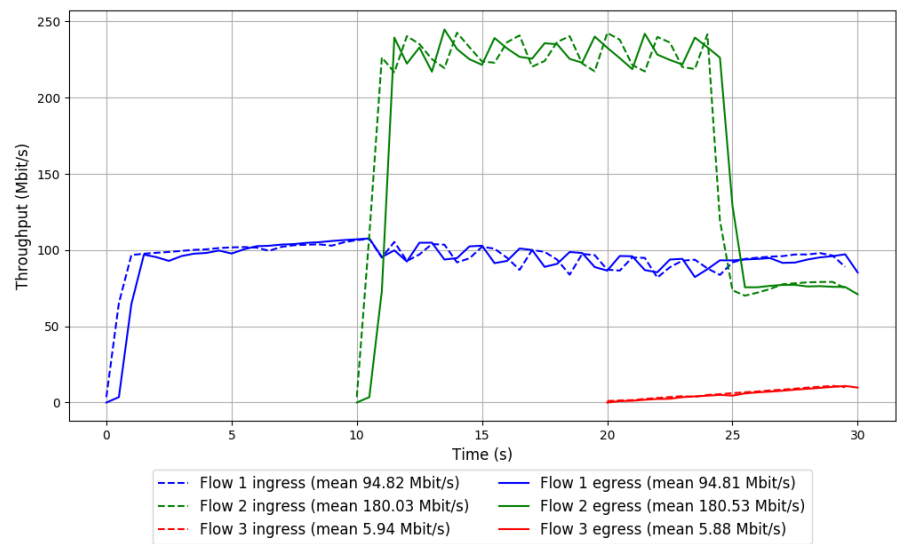


Run 8: Statistics of TCP Vegas

Start at: 2018-07-20 22:53:18
End at: 2018-07-20 22:53:48
Local clock offset: -0.491 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-07-21 02:10:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 216.80 Mbit/s
95th percentile per-packet one-way delay: 61.746 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 94.81 Mbit/s
95th percentile per-packet one-way delay: 59.696 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 180.53 Mbit/s
95th percentile per-packet one-way delay: 62.478 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 5.88 Mbit/s
95th percentile per-packet one-way delay: 57.818 ms
Loss rate: 2.01%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-20 23:17:07

End at: 2018-07-20 23:17:37

Local clock offset: -0.147 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-07-21 02:11:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 231.94 Mbit/s

95th percentile per-packet one-way delay: 69.900 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 49.80 Mbit/s

95th percentile per-packet one-way delay: 66.572 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 215.96 Mbit/s

95th percentile per-packet one-way delay: 70.829 ms

Loss rate: 0.17%

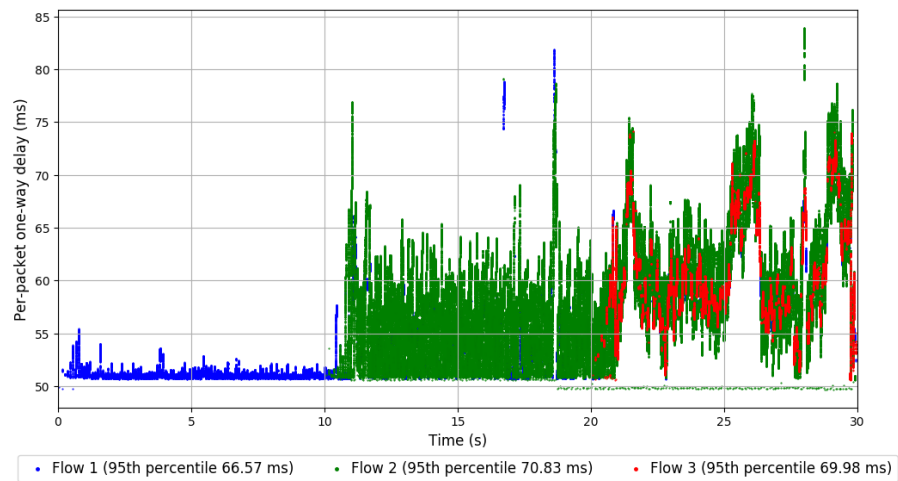
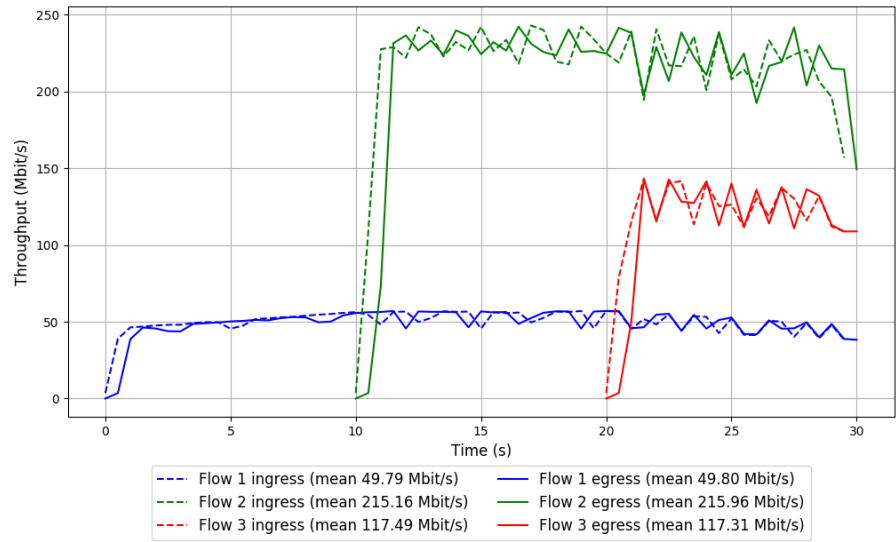
-- Flow 3:

Average throughput: 117.31 Mbit/s

95th percentile per-packet one-way delay: 69.978 ms

Loss rate: 1.15%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-20 23:41:03

End at: 2018-07-20 23:41:33

Local clock offset: -0.448 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-07-21 02:13:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 309.24 Mbit/s

95th percentile per-packet one-way delay: 73.376 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 204.61 Mbit/s

95th percentile per-packet one-way delay: 74.122 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 155.50 Mbit/s

95th percentile per-packet one-way delay: 70.969 ms

Loss rate: 0.55%

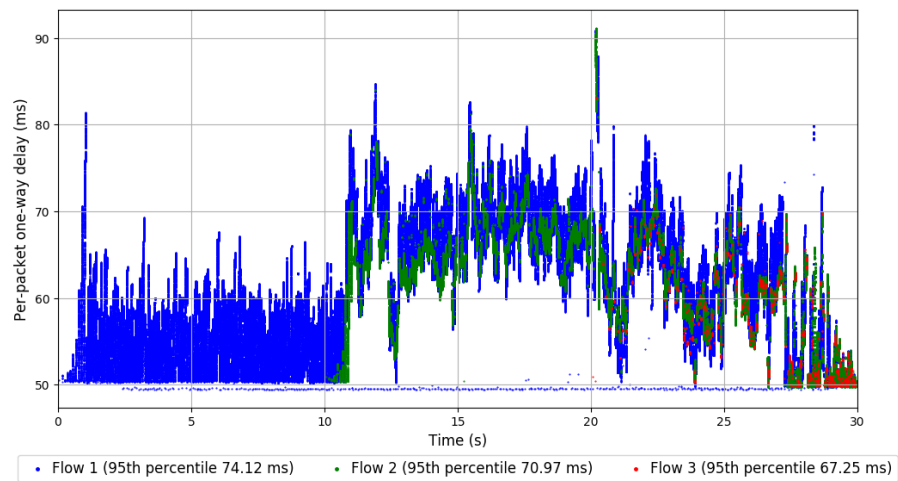
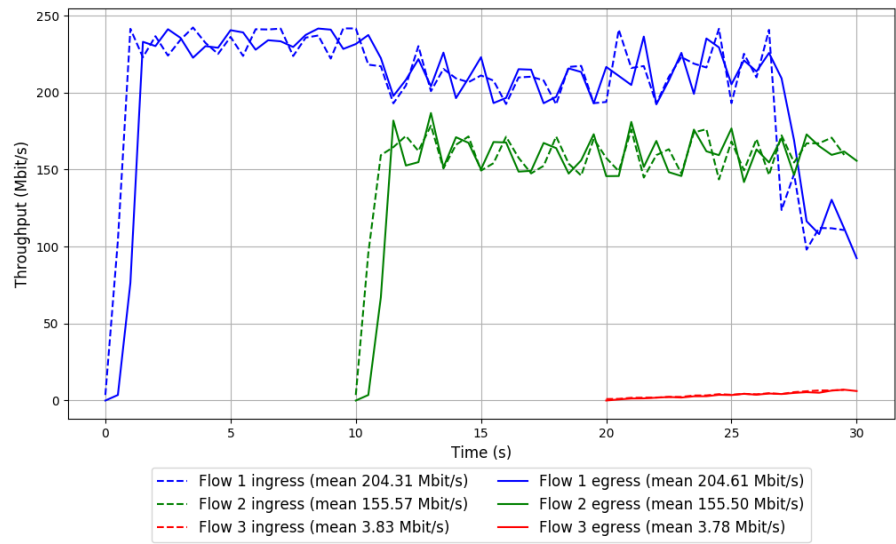
-- Flow 3:

Average throughput: 3.78 Mbit/s

95th percentile per-packet one-way delay: 67.245 ms

Loss rate: 2.15%

Run 10: Report of TCP Vegas — Data Link

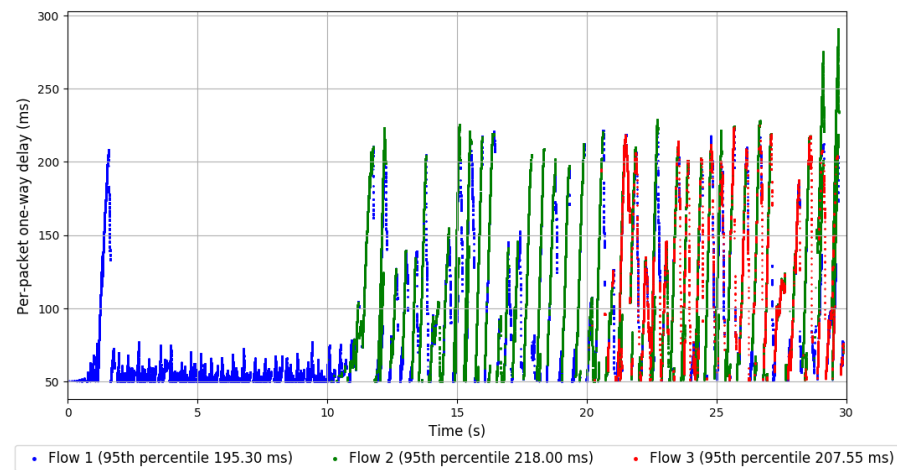
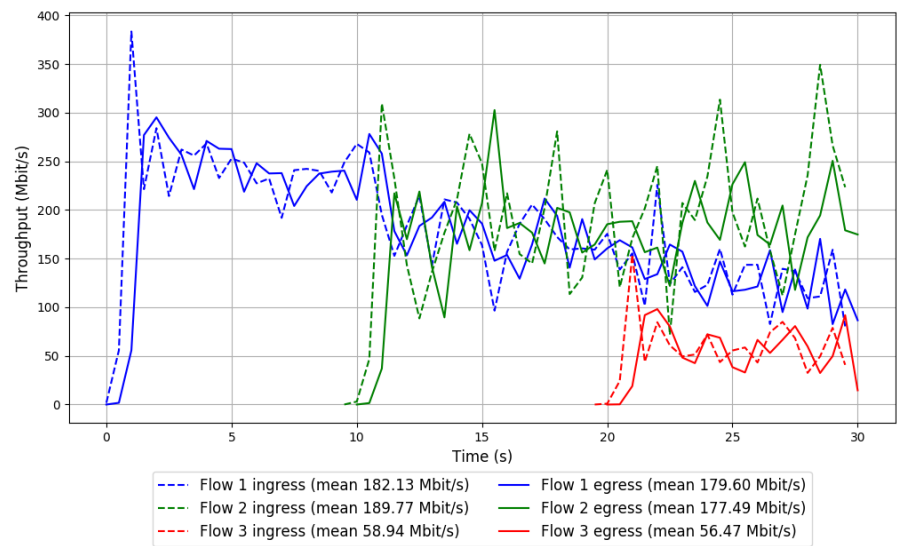


Run 1: Statistics of Verus

Start at: 2018-07-20 20:01:35
End at: 2018-07-20 20:02:05
Local clock offset: 0.217 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-21 02:14:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 316.18 Mbit/s
95th percentile per-packet one-way delay: 206.670 ms
Loss rate: 3.88%
-- Flow 1:
Average throughput: 179.60 Mbit/s
95th percentile per-packet one-way delay: 195.297 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 177.49 Mbit/s
95th percentile per-packet one-way delay: 217.996 ms
Loss rate: 7.01%
-- Flow 3:
Average throughput: 56.47 Mbit/s
95th percentile per-packet one-way delay: 207.551 ms
Loss rate: 5.46%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-20 20:25:13

End at: 2018-07-20 20:25:43

Local clock offset: -0.054 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-21 02:14:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 298.86 Mbit/s

95th percentile per-packet one-way delay: 206.137 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 157.84 Mbit/s

95th percentile per-packet one-way delay: 195.256 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 179.18 Mbit/s

95th percentile per-packet one-way delay: 208.066 ms

Loss rate: 0.94%

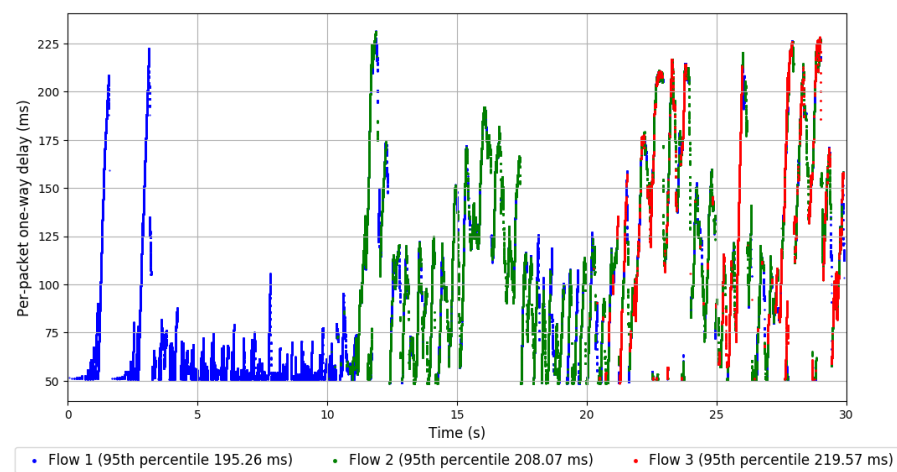
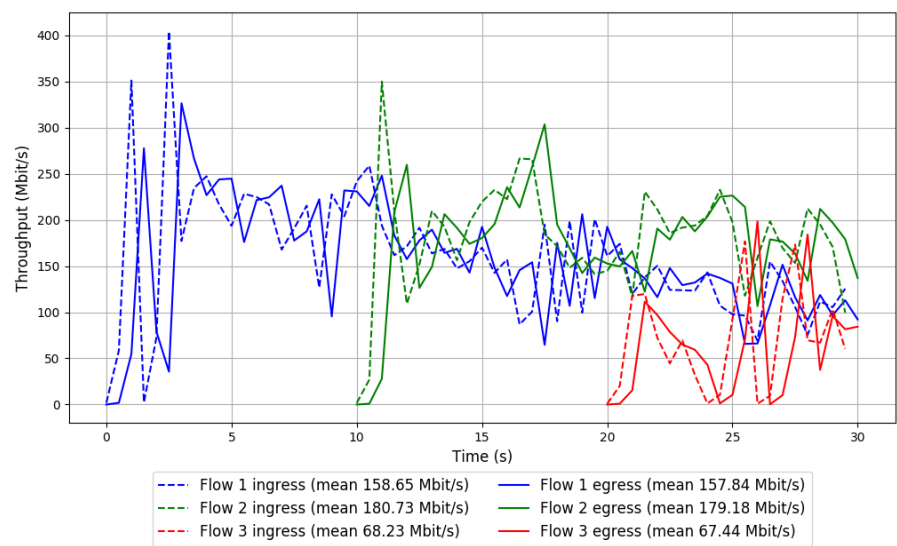
-- Flow 3:

Average throughput: 67.44 Mbit/s

95th percentile per-packet one-way delay: 219.569 ms

Loss rate: 2.77%

Run 2: Report of Verus — Data Link

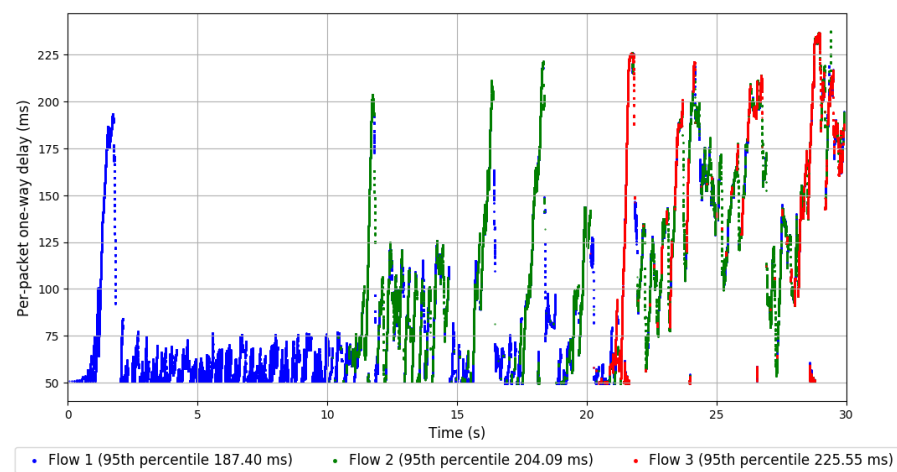
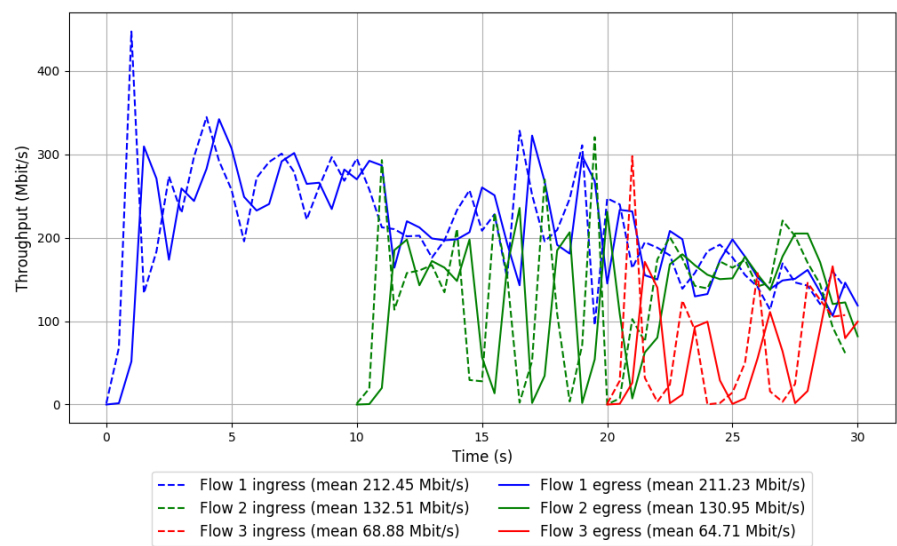


Run 3: Statistics of Verus

Start at: 2018-07-20 20:48:49
End at: 2018-07-20 20:49:19
Local clock offset: -0.121 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-21 02:15:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 319.43 Mbit/s
95th percentile per-packet one-way delay: 200.981 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 211.23 Mbit/s
95th percentile per-packet one-way delay: 187.404 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 130.95 Mbit/s
95th percentile per-packet one-way delay: 204.085 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 64.71 Mbit/s
95th percentile per-packet one-way delay: 225.549 ms
Loss rate: 6.53%

Run 3: Report of Verus — Data Link

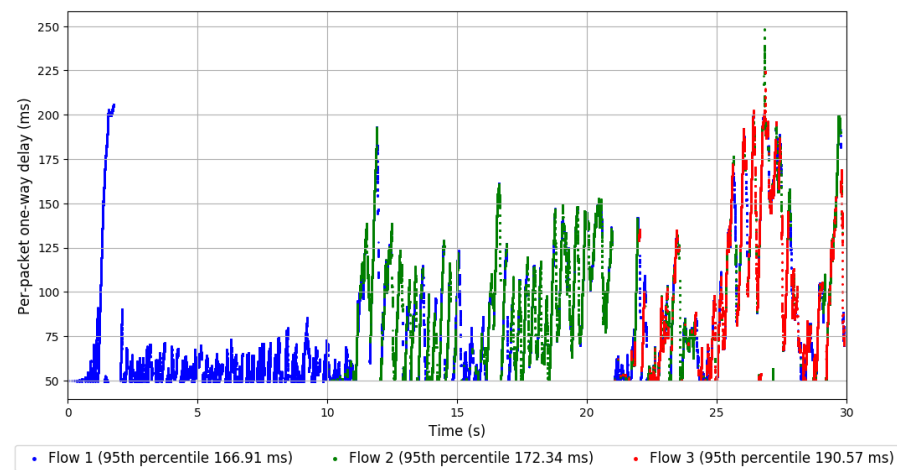
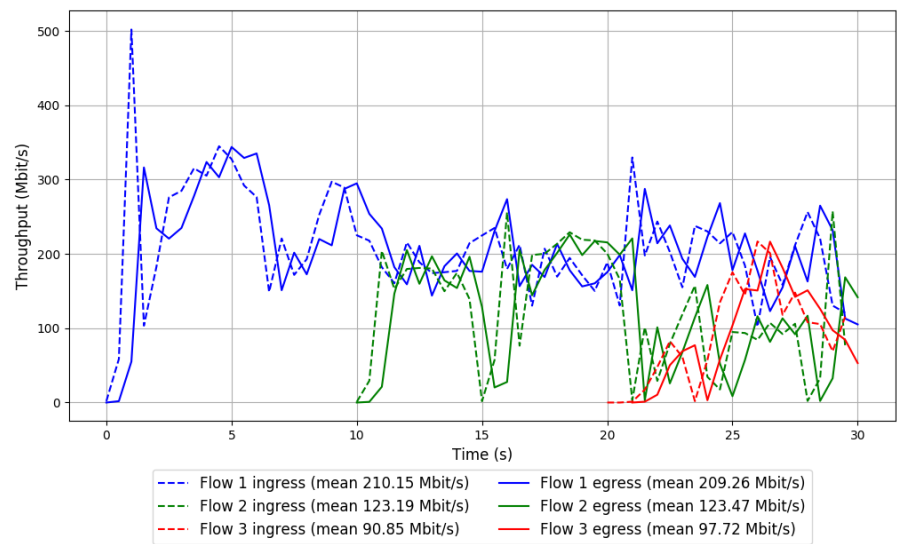


Run 4: Statistics of Verus

Start at: 2018-07-20 21:12:26
End at: 2018-07-20 21:12:56
Local clock offset: -0.488 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-07-21 02:16:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 319.93 Mbit/s
95th percentile per-packet one-way delay: 173.627 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 209.26 Mbit/s
95th percentile per-packet one-way delay: 166.915 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 123.47 Mbit/s
95th percentile per-packet one-way delay: 172.345 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 97.72 Mbit/s
95th percentile per-packet one-way delay: 190.571 ms
Loss rate: 4.34%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-20 21:36:13

End at: 2018-07-20 21:36:43

Local clock offset: -0.071 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-21 02:16:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 321.14 Mbit/s

95th percentile per-packet one-way delay: 203.253 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 214.36 Mbit/s

95th percentile per-packet one-way delay: 193.119 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 132.22 Mbit/s

95th percentile per-packet one-way delay: 192.151 ms

Loss rate: 1.01%

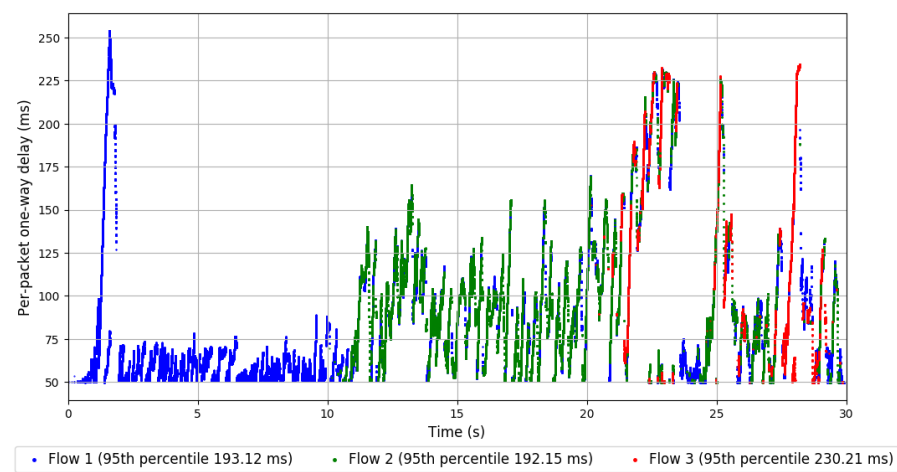
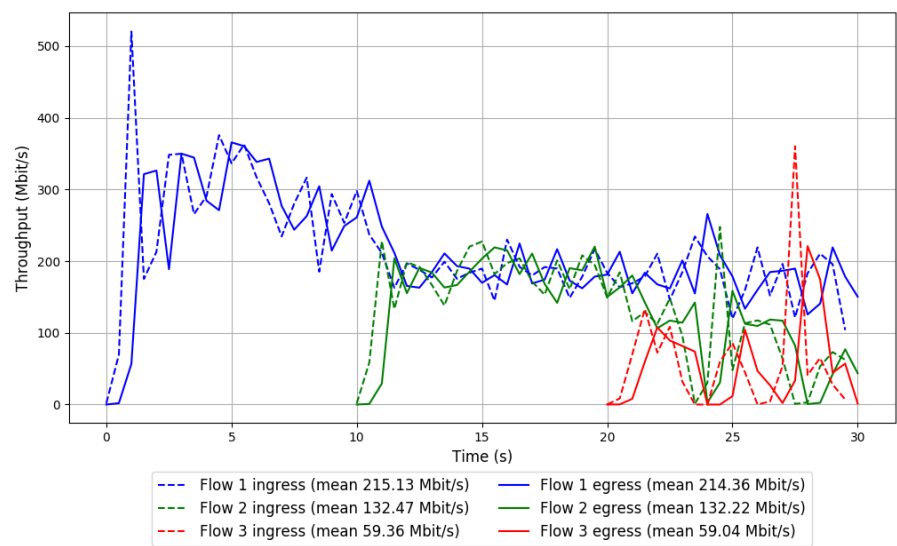
-- Flow 3:

Average throughput: 59.04 Mbit/s

95th percentile per-packet one-way delay: 230.206 ms

Loss rate: 2.61%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-20 22:00:07

End at: 2018-07-20 22:00:37

Local clock offset: -0.085 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-21 02:16:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 294.22 Mbit/s

95th percentile per-packet one-way delay: 162.114 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 178.32 Mbit/s

95th percentile per-packet one-way delay: 149.675 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 137.44 Mbit/s

95th percentile per-packet one-way delay: 185.893 ms

Loss rate: 0.51%

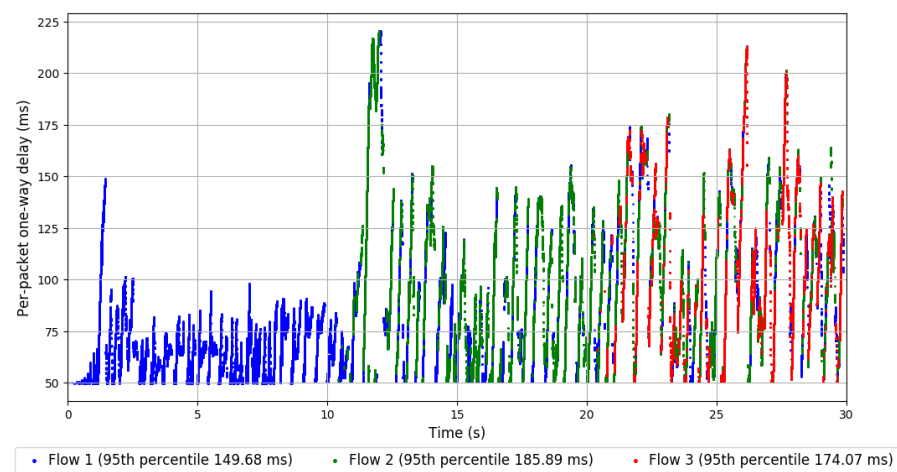
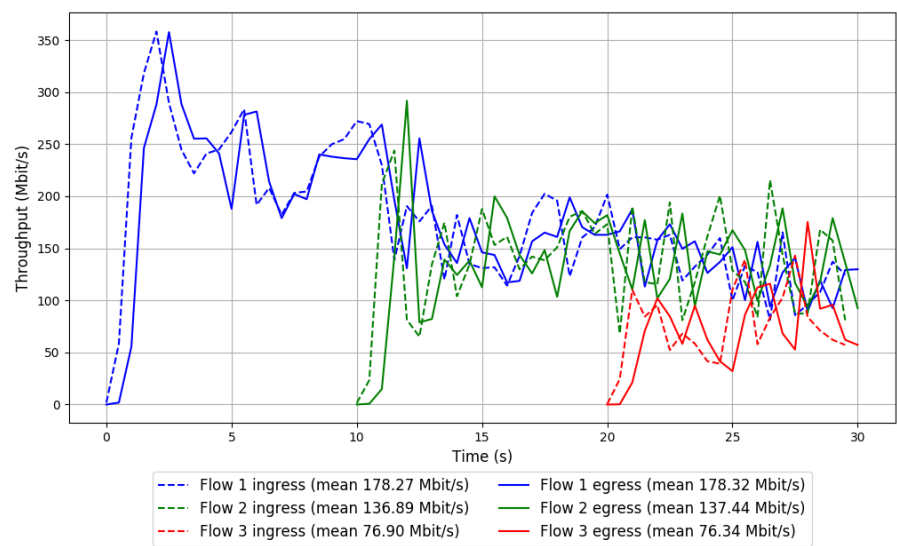
-- Flow 3:

Average throughput: 76.34 Mbit/s

95th percentile per-packet one-way delay: 174.073 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link

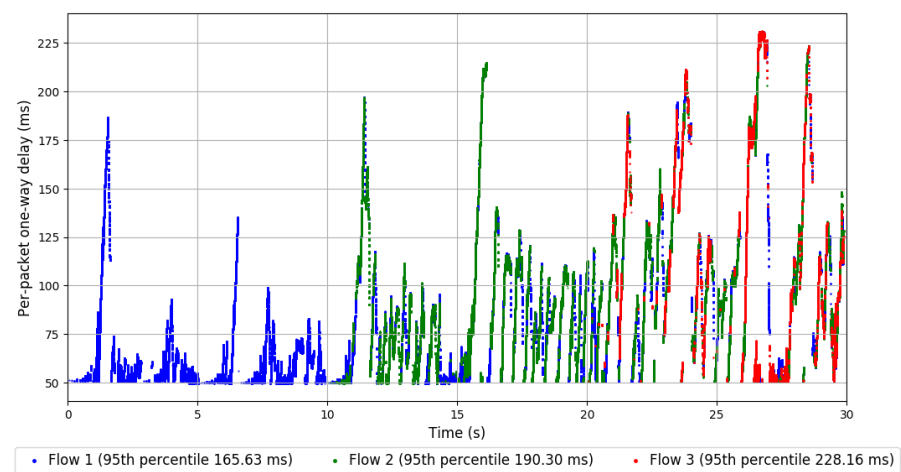
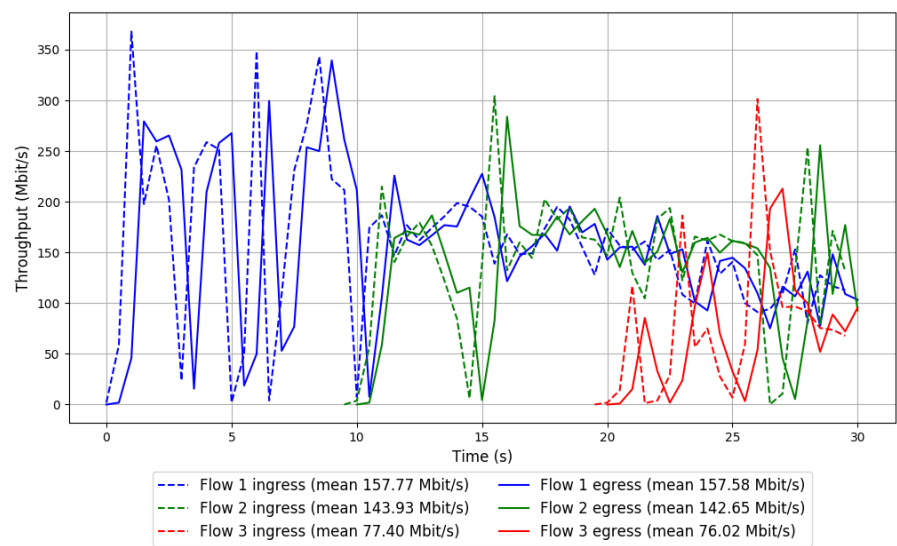


Run 7: Statistics of Verus

Start at: 2018-07-20 22:24:01
End at: 2018-07-20 22:24:31
Local clock offset: -0.101 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-21 02:16:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 277.55 Mbit/s
95th percentile per-packet one-way delay: 185.638 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 157.58 Mbit/s
95th percentile per-packet one-way delay: 165.633 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 142.65 Mbit/s
95th percentile per-packet one-way delay: 190.303 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 76.02 Mbit/s
95th percentile per-packet one-way delay: 228.161 ms
Loss rate: 2.60%

Run 7: Report of Verus — Data Link

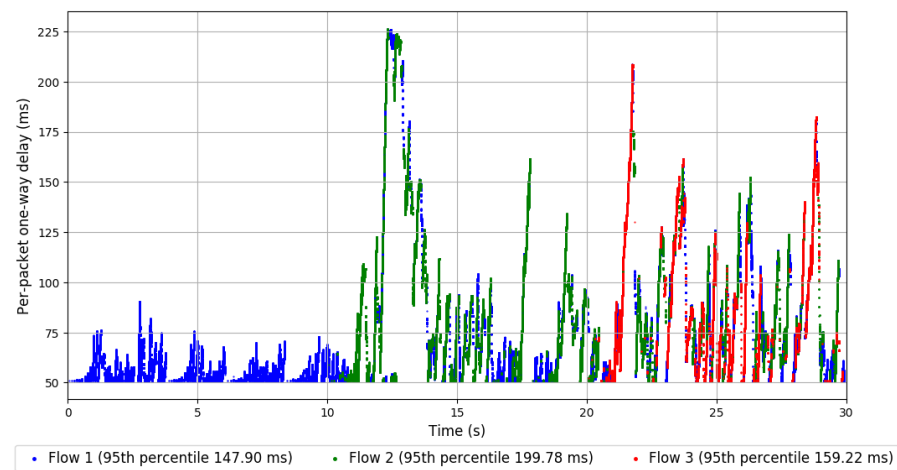
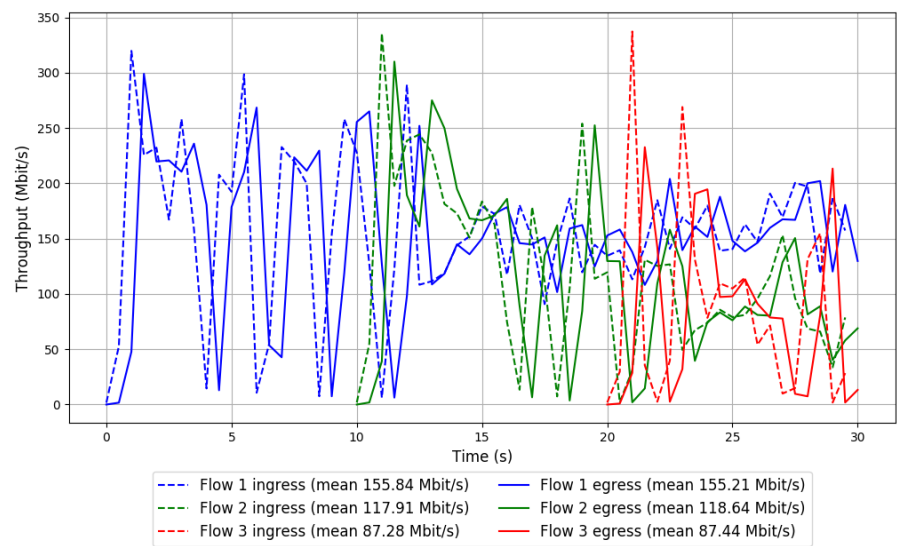


Run 8: Statistics of Verus

Start at: 2018-07-20 22:47:50
End at: 2018-07-20 22:48:20
Local clock offset: -0.155 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-21 02:18:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 261.75 Mbit/s
95th percentile per-packet one-way delay: 161.436 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 155.21 Mbit/s
95th percentile per-packet one-way delay: 147.902 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 118.64 Mbit/s
95th percentile per-packet one-way delay: 199.780 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 87.44 Mbit/s
95th percentile per-packet one-way delay: 159.223 ms
Loss rate: 0.88%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-20 23:11:36

End at: 2018-07-20 23:12:06

Local clock offset: -0.154 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-21 02:19:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 298.49 Mbit/s

95th percentile per-packet one-way delay: 193.266 ms

Loss rate: 1.38%

-- Flow 1:

Average throughput: 208.73 Mbit/s

95th percentile per-packet one-way delay: 184.583 ms

Loss rate: 0.99%

-- Flow 2:

Average throughput: 92.50 Mbit/s

95th percentile per-packet one-way delay: 206.403 ms

Loss rate: 2.29%

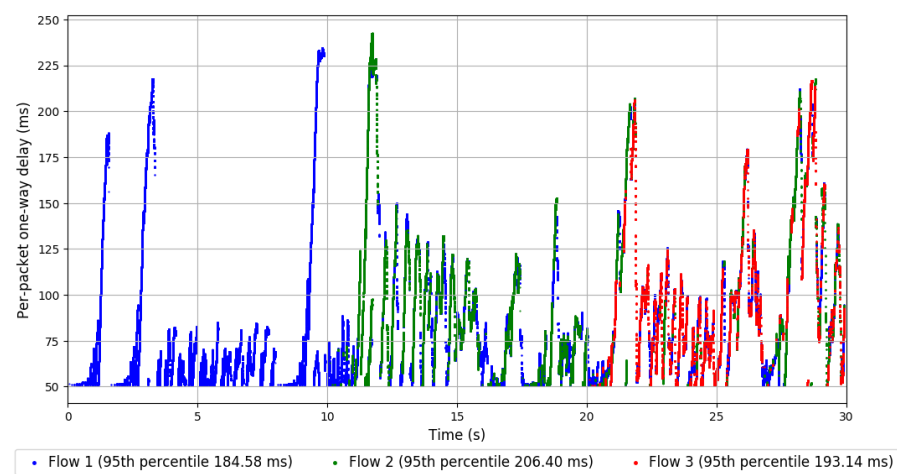
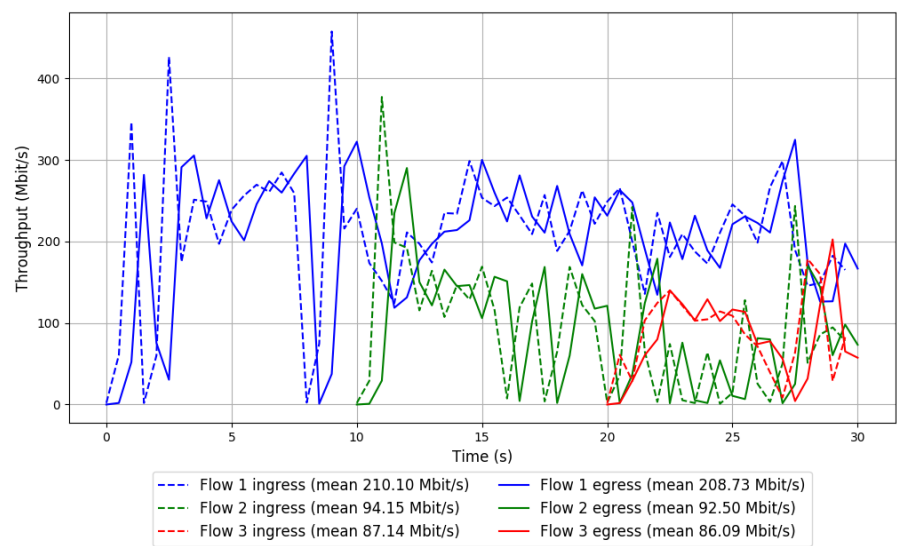
-- Flow 3:

Average throughput: 86.09 Mbit/s

95th percentile per-packet one-way delay: 193.138 ms

Loss rate: 2.27%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-20 23:35:31

End at: 2018-07-20 23:36:01

Local clock offset: -0.119 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-07-21 02:19:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 305.55 Mbit/s

95th percentile per-packet one-way delay: 194.992 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 191.74 Mbit/s

95th percentile per-packet one-way delay: 176.497 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 110.72 Mbit/s

95th percentile per-packet one-way delay: 204.898 ms

Loss rate: 1.35%

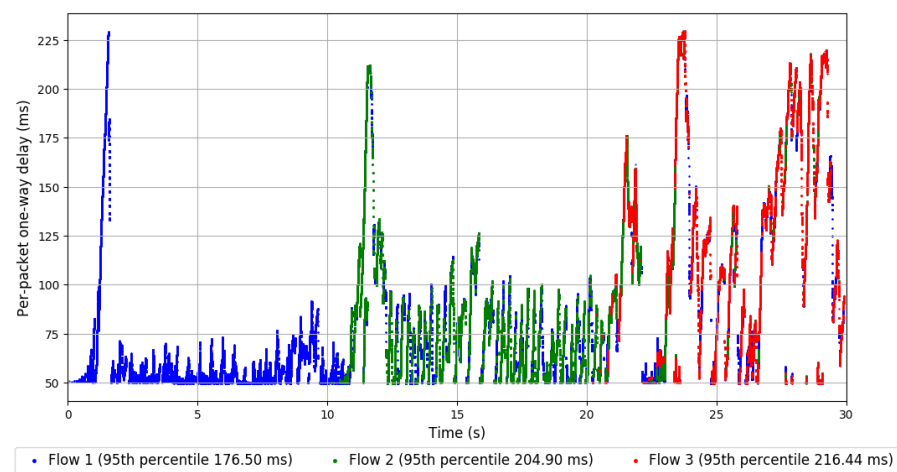
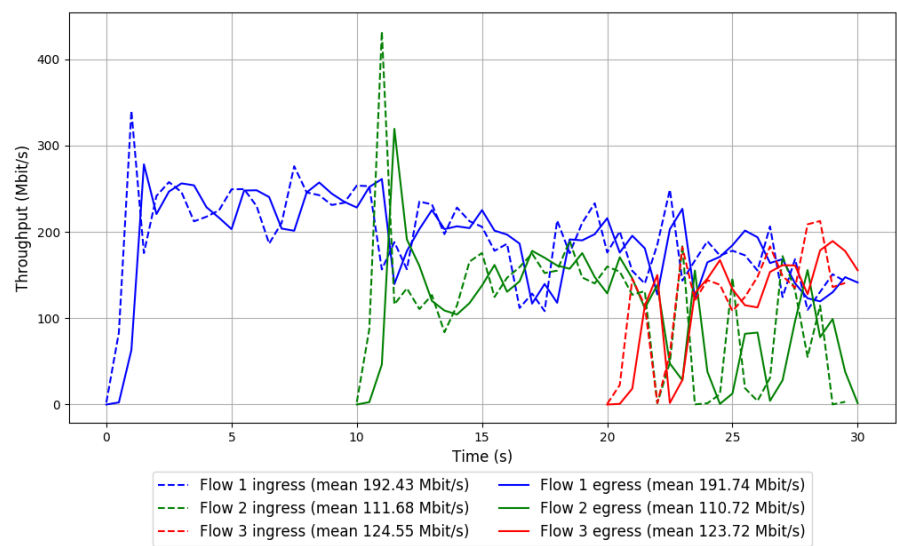
-- Flow 3:

Average throughput: 123.72 Mbit/s

95th percentile per-packet one-way delay: 216.437 ms

Loss rate: 2.19%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-20 20:14:19

End at: 2018-07-20 20:14:49

Local clock offset: -0.095 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-21 02:22:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 403.34 Mbit/s

95th percentile per-packet one-way delay: 51.350 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 202.59 Mbit/s

95th percentile per-packet one-way delay: 51.268 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 225.07 Mbit/s

95th percentile per-packet one-way delay: 51.292 ms

Loss rate: 0.69%

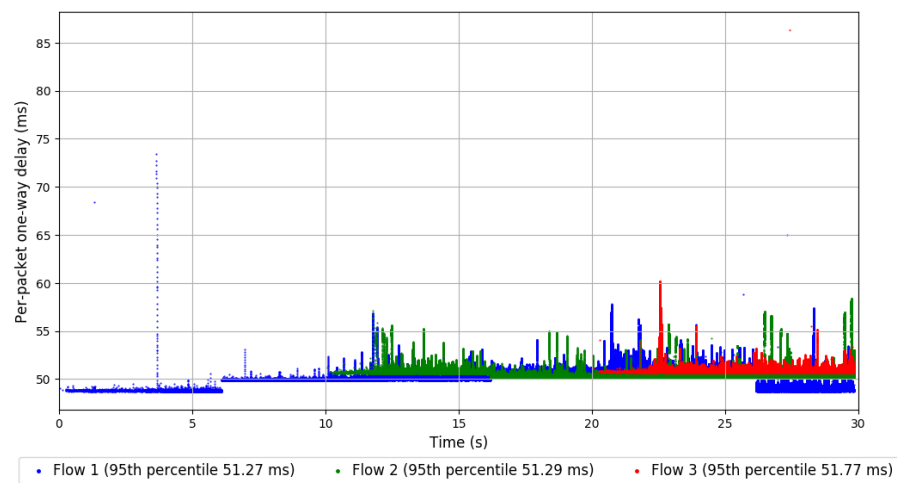
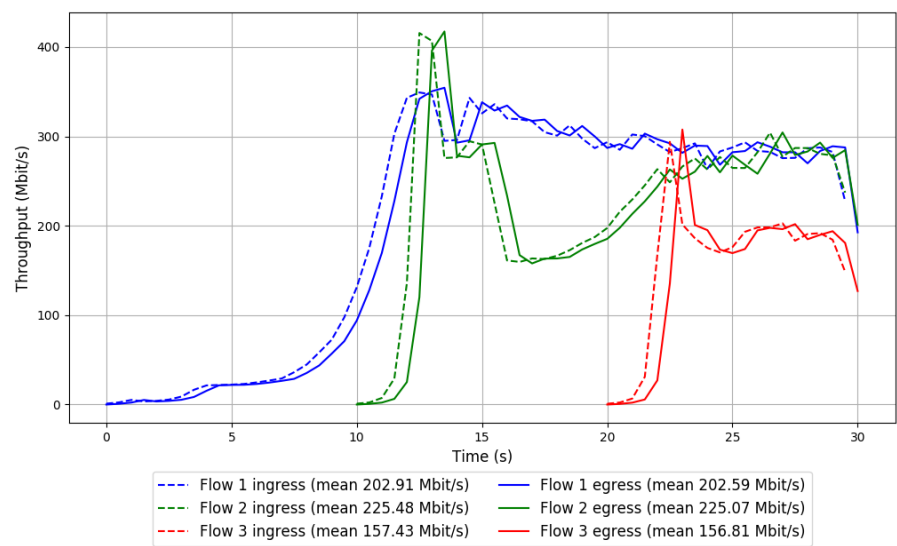
-- Flow 3:

Average throughput: 156.81 Mbit/s

95th percentile per-packet one-way delay: 51.765 ms

Loss rate: 1.41%

Run 1: Report of PCC-Vivace — Data Link

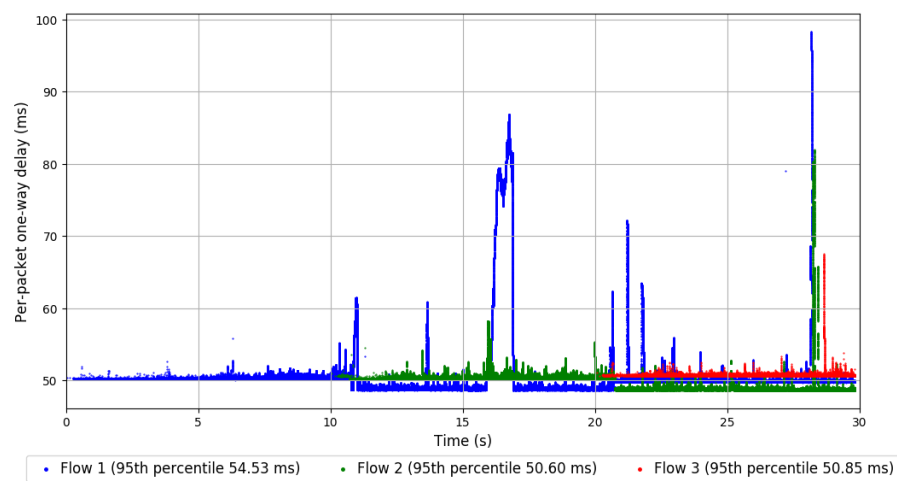
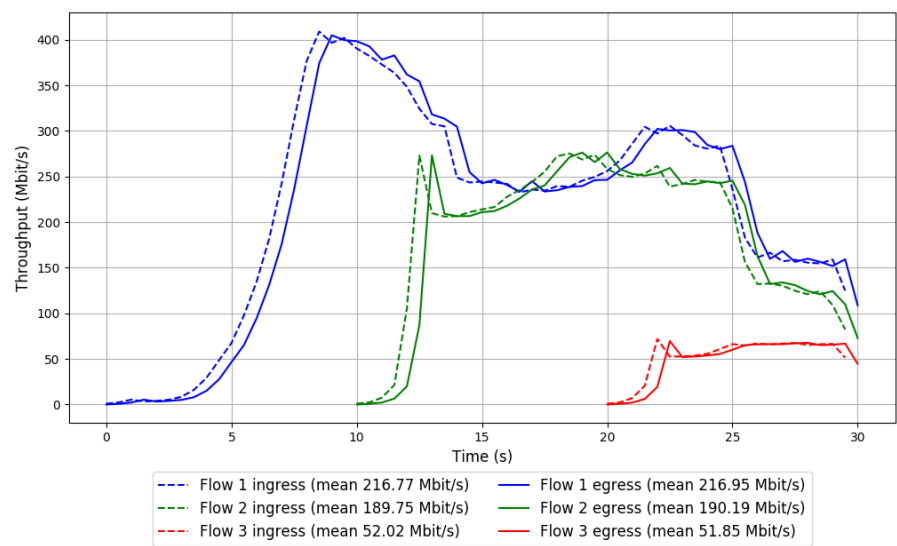


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-20 20:37:55
End at: 2018-07-20 20:38:25
Local clock offset: -0.122 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-21 02:22:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 360.23 Mbit/s
95th percentile per-packet one-way delay: 51.476 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 216.95 Mbit/s
95th percentile per-packet one-way delay: 54.530 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 190.19 Mbit/s
95th percentile per-packet one-way delay: 50.597 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 51.85 Mbit/s
95th percentile per-packet one-way delay: 50.851 ms
Loss rate: 1.32%

Run 2: Report of PCC-Vivace — Data Link

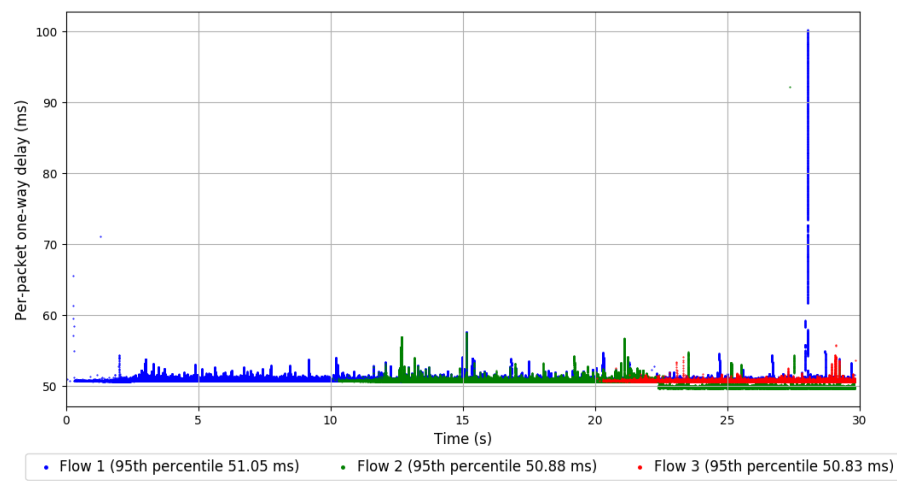
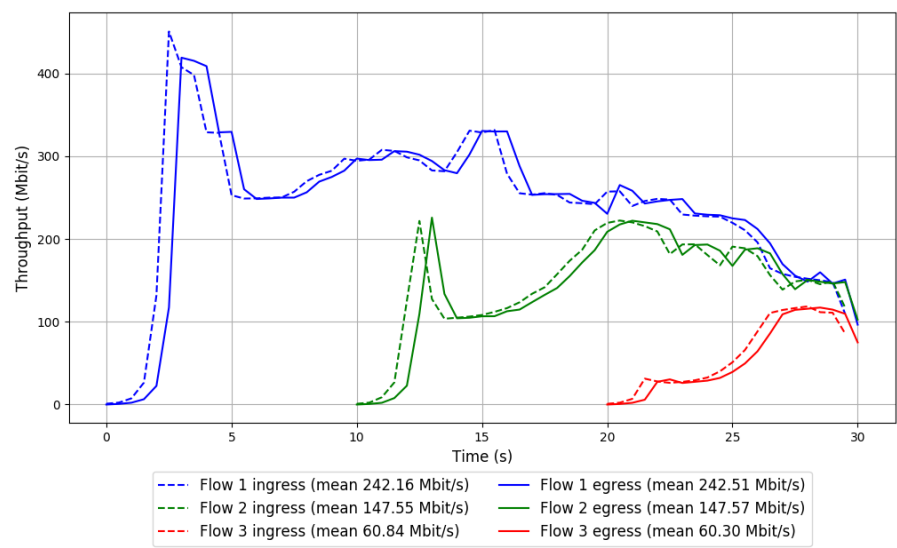


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-20 21:01:23
End at: 2018-07-20 21:01:53
Local clock offset: -0.196 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-21 02:22:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 360.14 Mbit/s
95th percentile per-packet one-way delay: 51.002 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 242.51 Mbit/s
95th percentile per-packet one-way delay: 51.050 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 147.57 Mbit/s
95th percentile per-packet one-way delay: 50.879 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 60.30 Mbit/s
95th percentile per-packet one-way delay: 50.825 ms
Loss rate: 1.88%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-20 21:25:17

End at: 2018-07-20 21:25:47

Local clock offset: -0.428 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-21 02:22:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 381.06 Mbit/s

95th percentile per-packet one-way delay: 50.055 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 230.05 Mbit/s

95th percentile per-packet one-way delay: 49.683 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 202.66 Mbit/s

95th percentile per-packet one-way delay: 48.609 ms

Loss rate: 0.58%

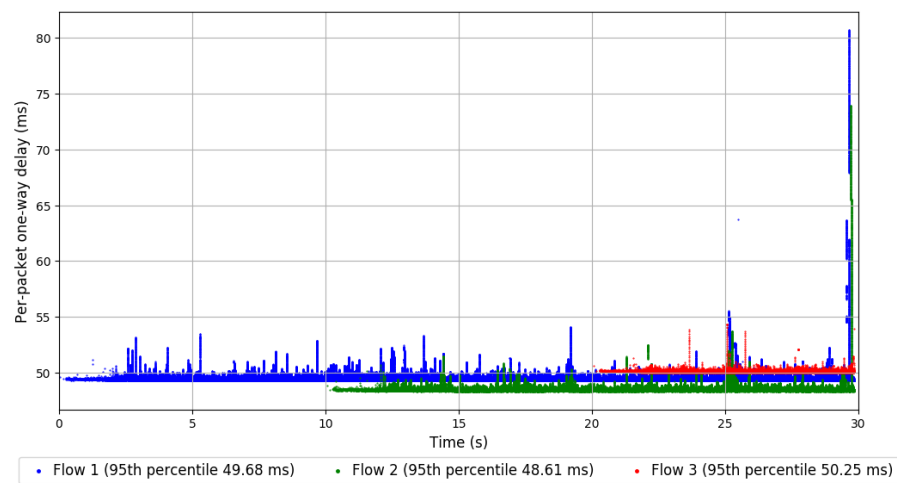
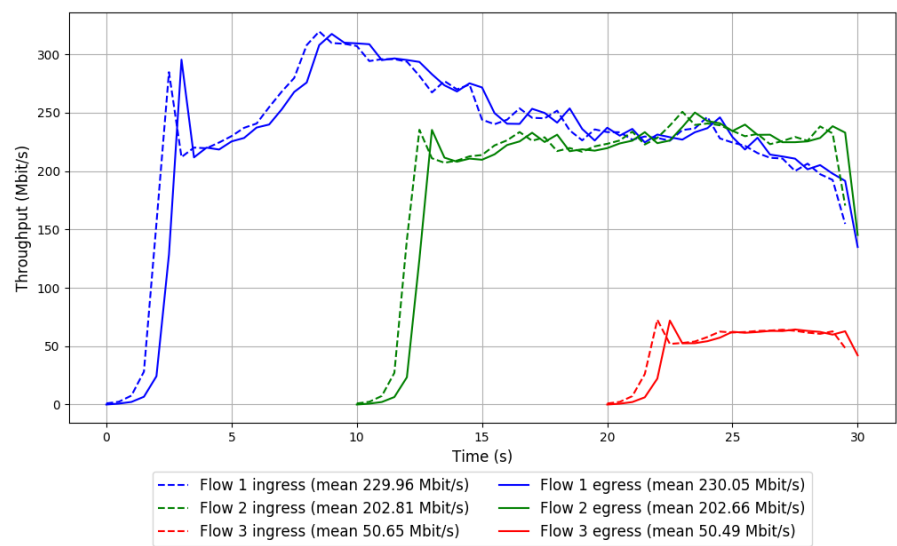
-- Flow 3:

Average throughput: 50.49 Mbit/s

95th percentile per-packet one-way delay: 50.252 ms

Loss rate: 1.27%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-20 21:49:01

End at: 2018-07-20 21:49:31

Local clock offset: -0.071 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-07-21 02:22:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 375.72 Mbit/s

95th percentile per-packet one-way delay: 49.952 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 218.89 Mbit/s

95th percentile per-packet one-way delay: 50.023 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 218.94 Mbit/s

95th percentile per-packet one-way delay: 49.708 ms

Loss rate: 0.70%

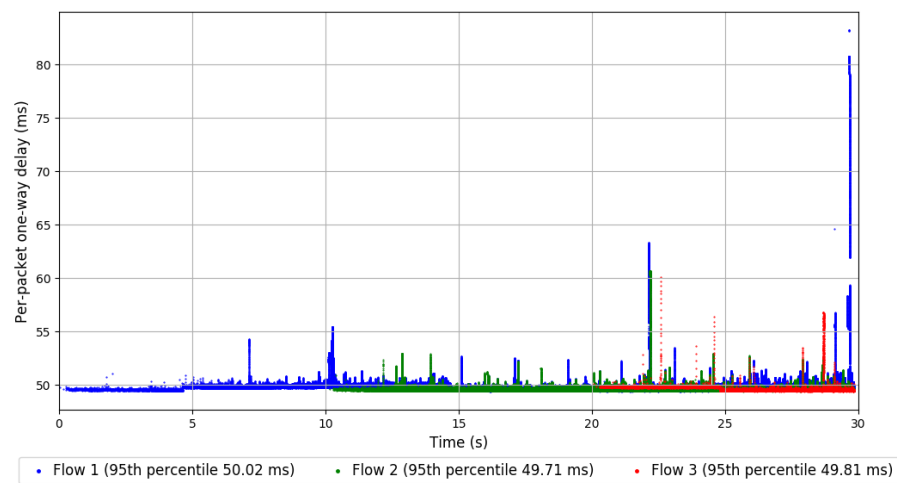
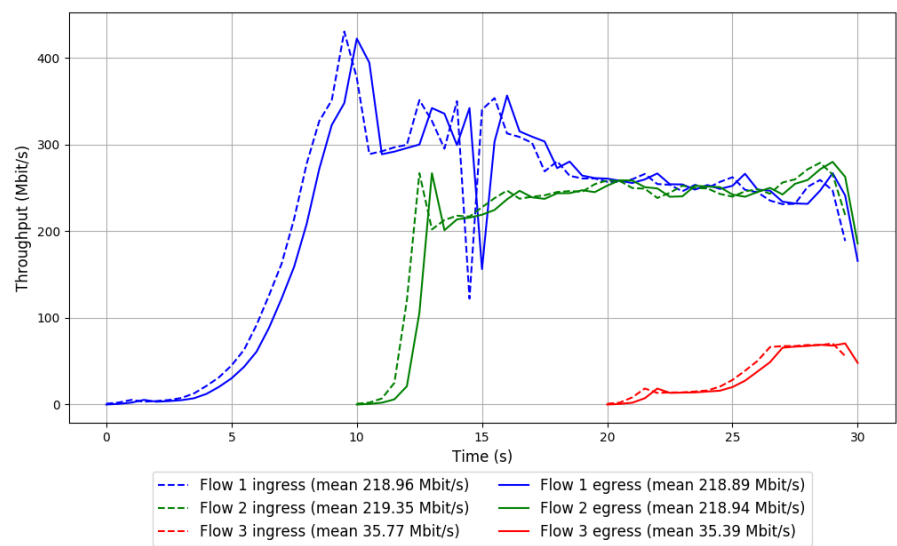
-- Flow 3:

Average throughput: 35.39 Mbit/s

95th percentile per-packet one-way delay: 49.813 ms

Loss rate: 2.13%

Run 5: Report of PCC-Vivace — Data Link

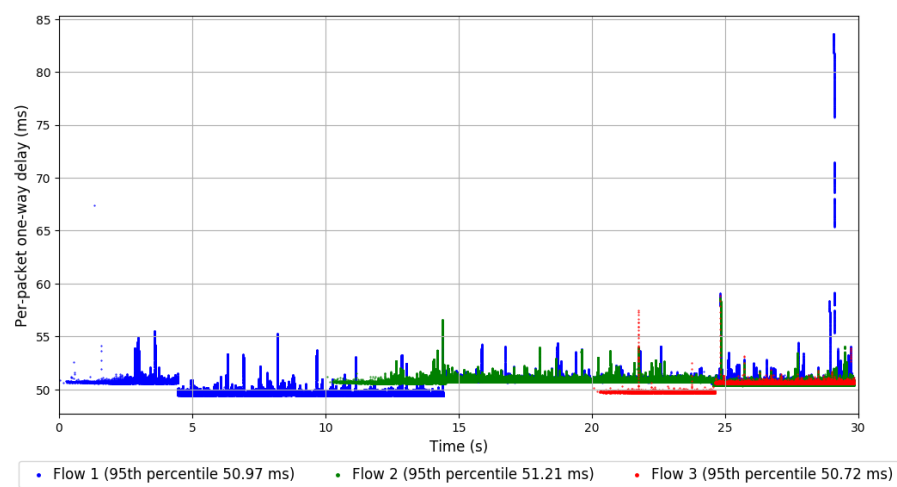
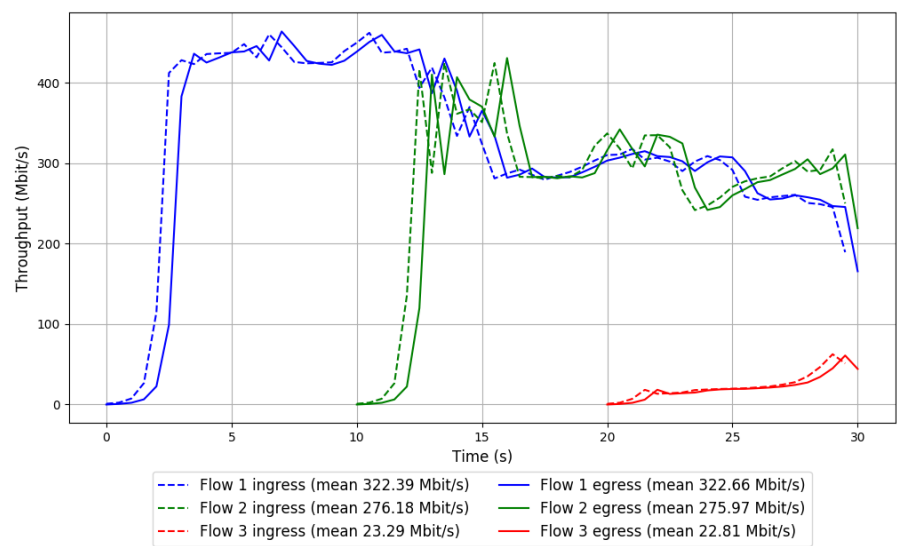


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-20 22:12:51
End at: 2018-07-20 22:13:21
Local clock offset: -0.118 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-21 02:25:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 513.32 Mbit/s
95th percentile per-packet one-way delay: 51.074 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 322.66 Mbit/s
95th percentile per-packet one-way delay: 50.971 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 275.97 Mbit/s
95th percentile per-packet one-way delay: 51.206 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 22.81 Mbit/s
95th percentile per-packet one-way delay: 50.723 ms
Loss rate: 3.06%

Run 6: Report of PCC-Vivace — Data Link

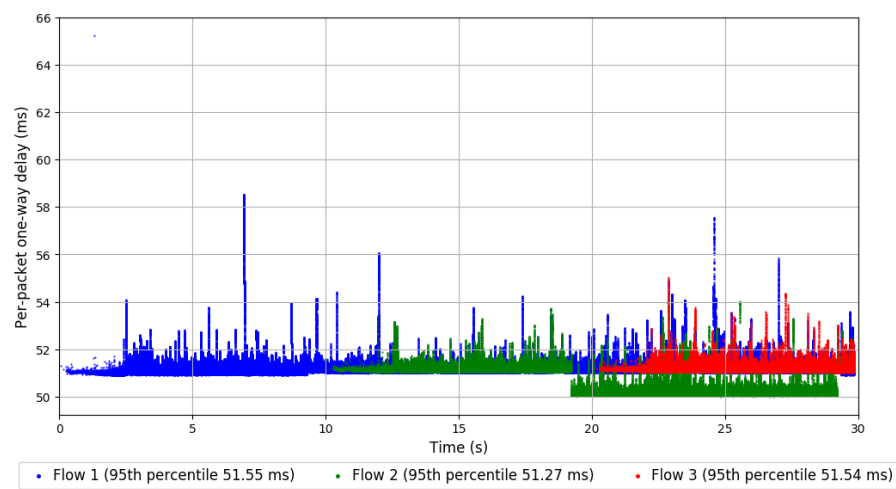
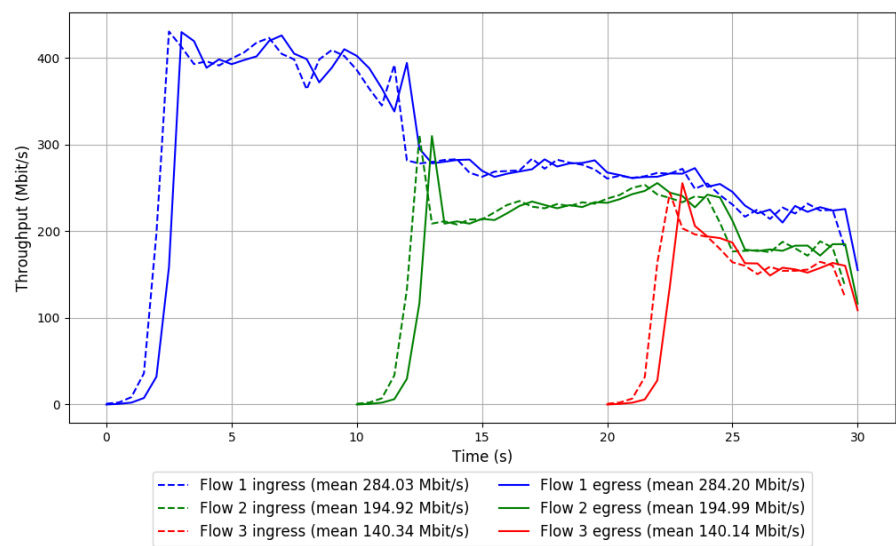


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-20 22:36:46
End at: 2018-07-20 22:37:16
Local clock offset: 0.227 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-21 02:25:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 459.54 Mbit/s
95th percentile per-packet one-way delay: 51.474 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 284.20 Mbit/s
95th percentile per-packet one-way delay: 51.546 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 194.99 Mbit/s
95th percentile per-packet one-way delay: 51.275 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 140.14 Mbit/s
95th percentile per-packet one-way delay: 51.536 ms
Loss rate: 1.17%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-20 23:00:34

End at: 2018-07-20 23:01:04

Local clock offset: 0.206 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-21 02:25:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 393.03 Mbit/s

95th percentile per-packet one-way delay: 51.557 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 228.67 Mbit/s

95th percentile per-packet one-way delay: 51.558 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 224.53 Mbit/s

95th percentile per-packet one-way delay: 51.526 ms

Loss rate: 0.56%

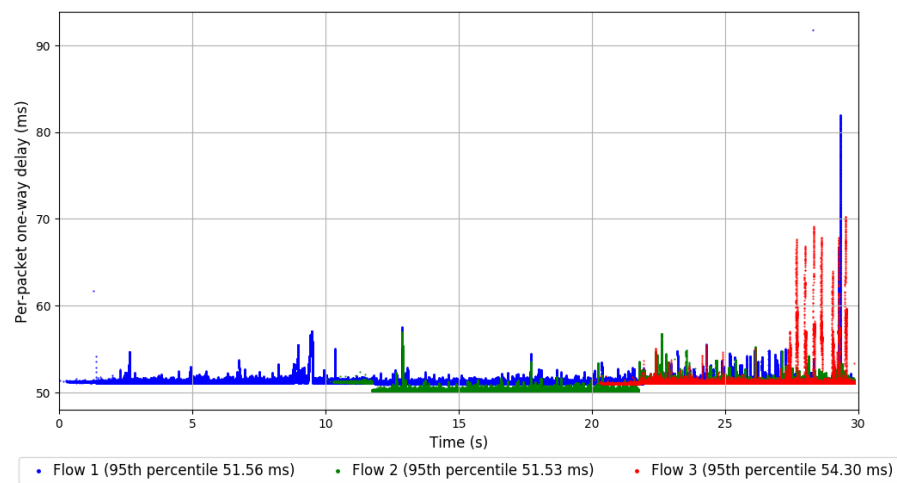
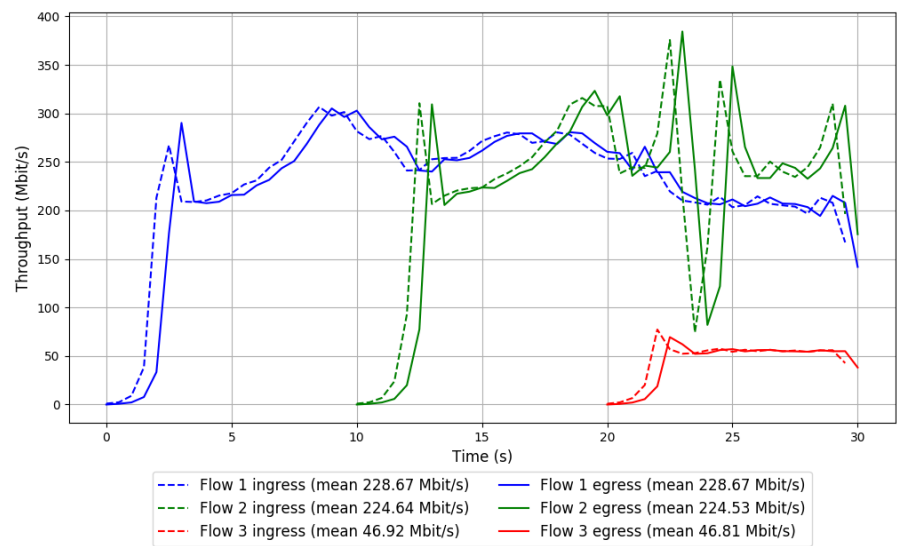
-- Flow 3:

Average throughput: 46.81 Mbit/s

95th percentile per-packet one-way delay: 54.297 ms

Loss rate: 1.26%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-20 23:24:27

End at: 2018-07-20 23:24:57

Local clock offset: -0.172 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-21 02:25:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 423.61 Mbit/s

95th percentile per-packet one-way delay: 52.216 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 237.51 Mbit/s

95th percentile per-packet one-way delay: 52.181 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 191.74 Mbit/s

95th percentile per-packet one-way delay: 52.307 ms

Loss rate: 0.26%

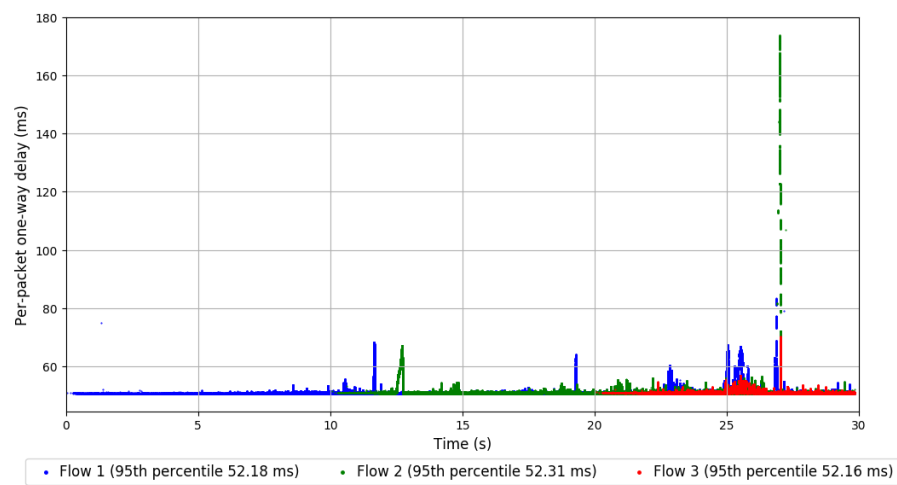
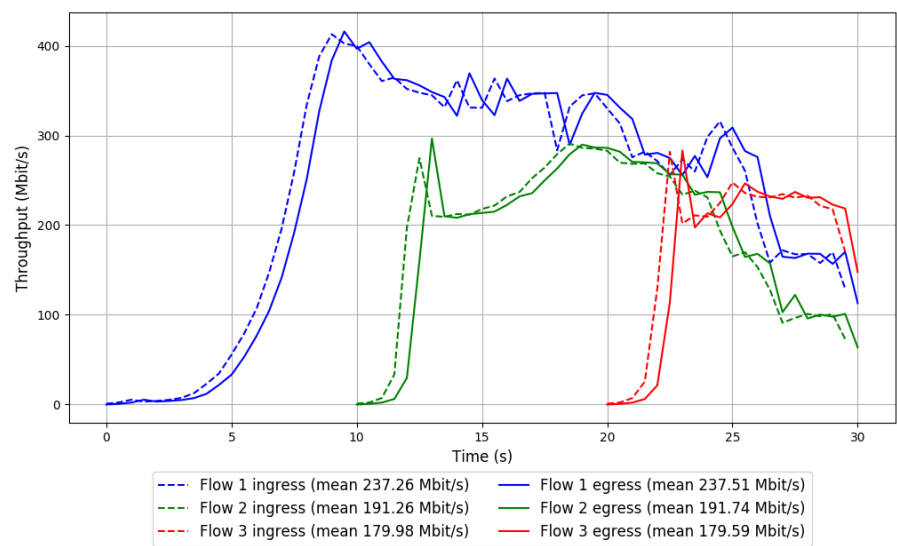
-- Flow 3:

Average throughput: 179.59 Mbit/s

95th percentile per-packet one-way delay: 52.162 ms

Loss rate: 1.26%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-20 23:48:30

End at: 2018-07-20 23:49:00

Local clock offset: -0.101 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-21 02:25:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 304.41 Mbit/s

95th percentile per-packet one-way delay: 50.840 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 204.47 Mbit/s

95th percentile per-packet one-way delay: 50.861 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 119.18 Mbit/s

95th percentile per-packet one-way delay: 50.715 ms

Loss rate: 0.79%

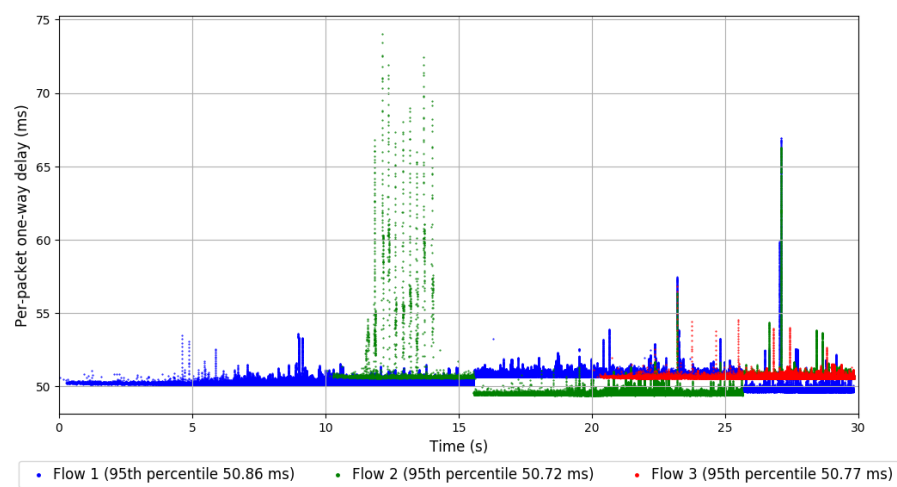
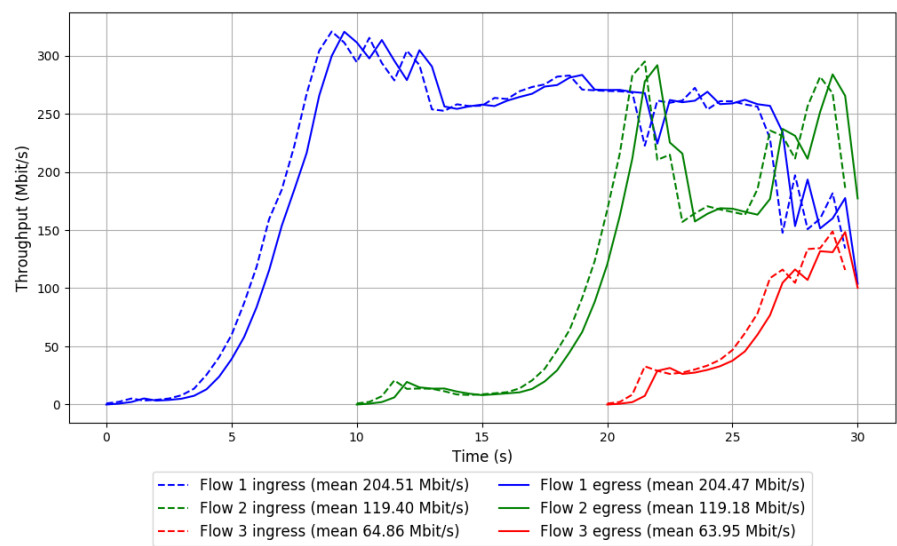
-- Flow 3:

Average throughput: 63.95 Mbit/s

95th percentile per-packet one-way delay: 50.766 ms

Loss rate: 2.42%

Run 10: Report of PCC-Vivace — Data Link

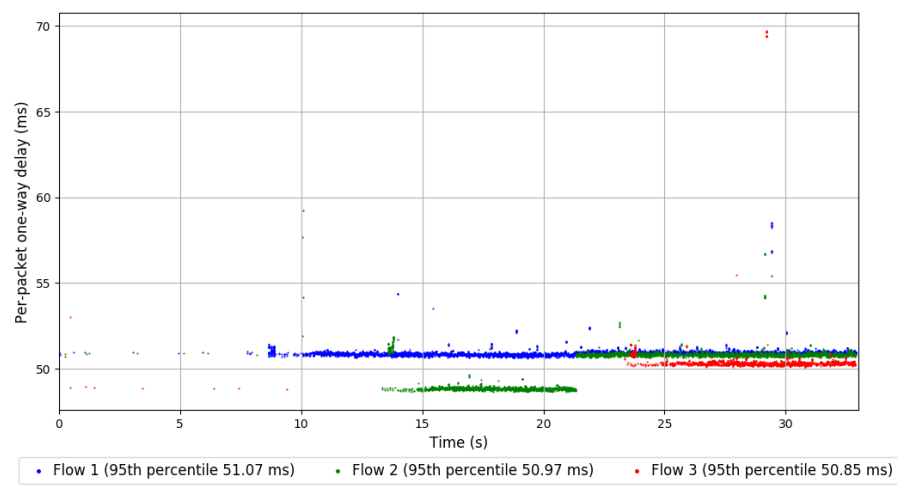
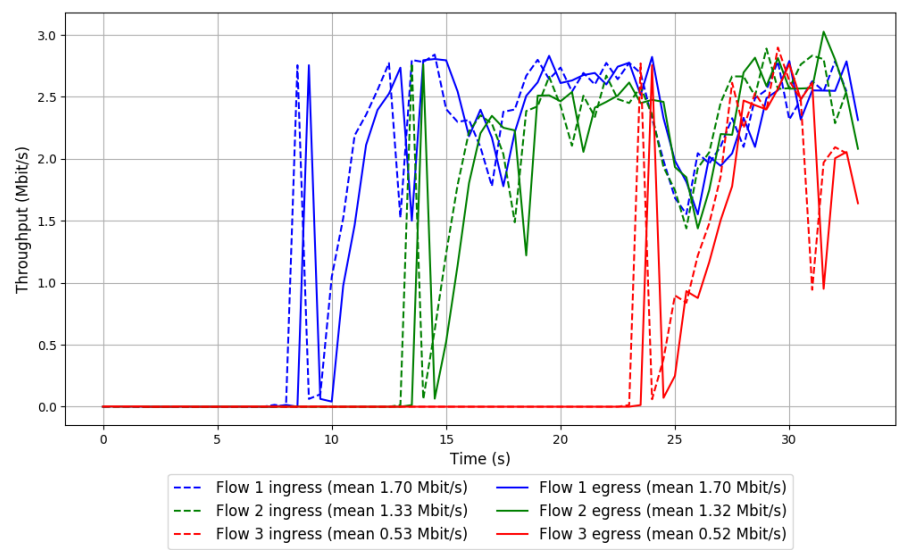


Run 1: Statistics of WebRTC media

Start at: 2018-07-20 20:22:57
End at: 2018-07-20 20:23:27
Local clock offset: -0.094 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-21 02:25:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.53 Mbit/s
95th percentile per-packet one-way delay: 51.041 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 51.069 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 50.972 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 50.850 ms
Loss rate: 1.84%

Run 1: Report of WebRTC media — Data Link

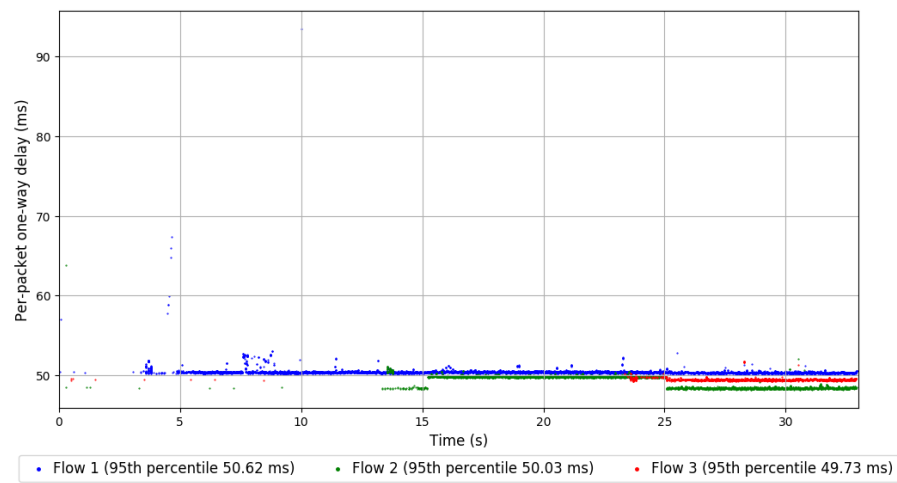
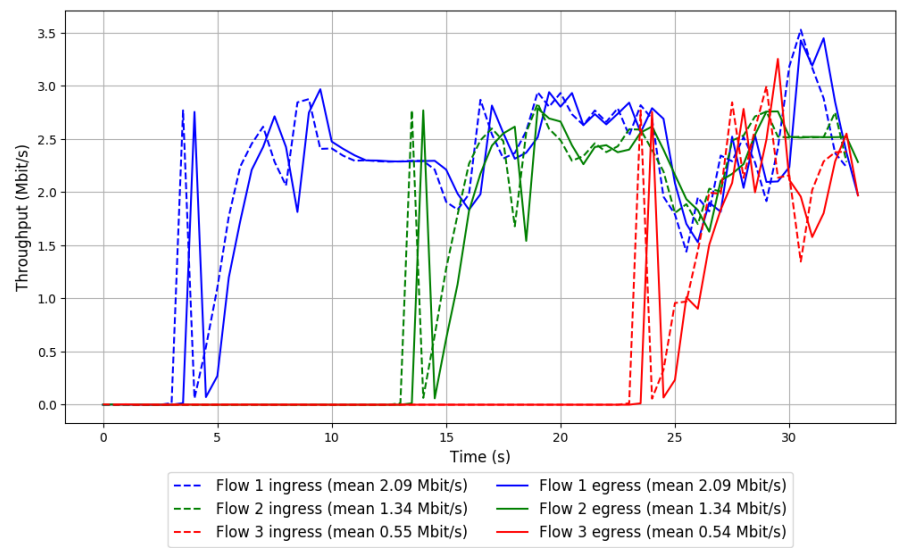


Run 2: Statistics of WebRTC media

Start at: 2018-07-20 20:46:33
End at: 2018-07-20 20:47:03
Local clock offset: -0.539 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-21 02:25:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 50.540 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 50.617 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 50.029 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 49.729 ms
Loss rate: 1.67%

Run 2: Report of WebRTC media — Data Link

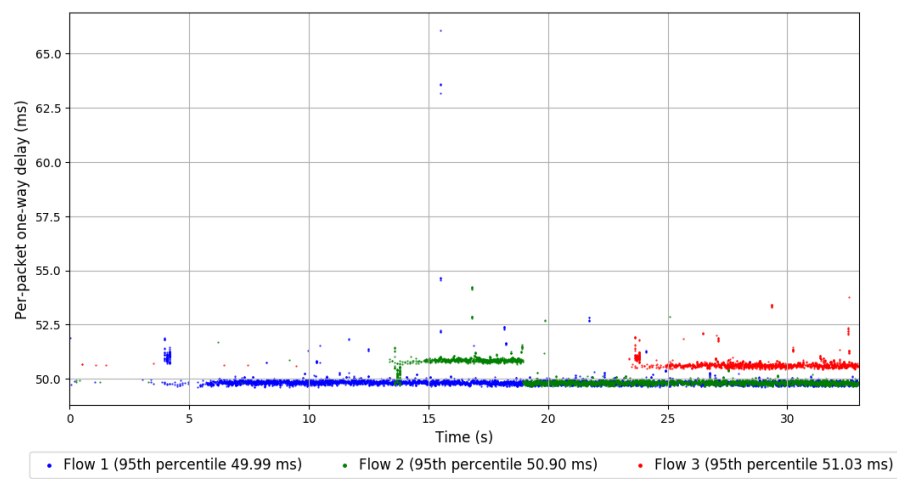
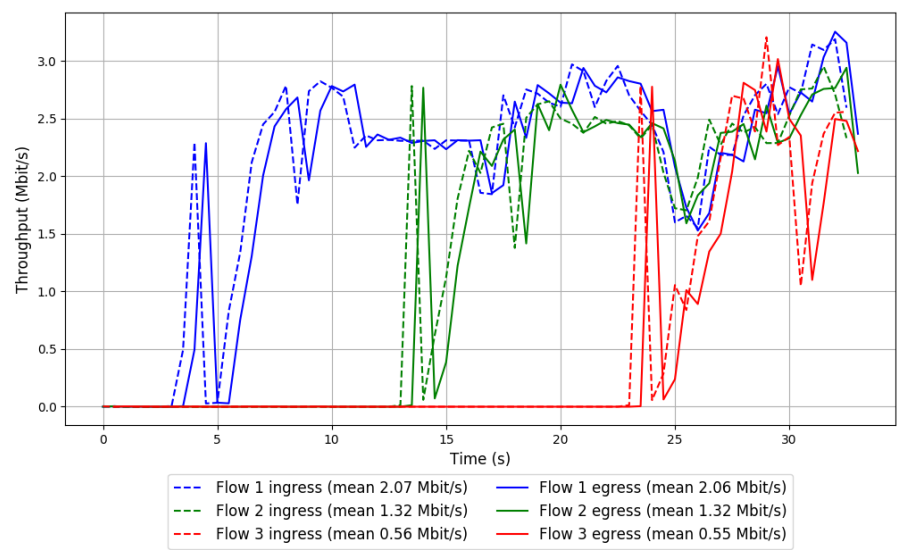


Run 3: Statistics of WebRTC media

Start at: 2018-07-20 21:10:09
End at: 2018-07-20 21:10:39
Local clock offset: -0.139 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-21 02:25:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 50.869 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 49.991 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 50.903 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 51.034 ms
Loss rate: 1.62%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-20 21:33:57

End at: 2018-07-20 21:34:27

Local clock offset: -0.106 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-21 02:25:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.96 Mbit/s

95th percentile per-packet one-way delay: 50.751 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 50.778 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 50.117 ms

Loss rate: 0.58%

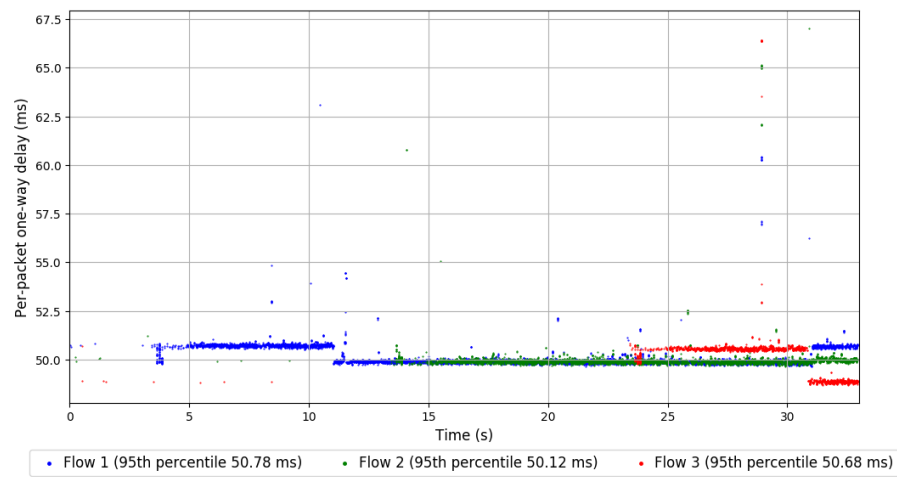
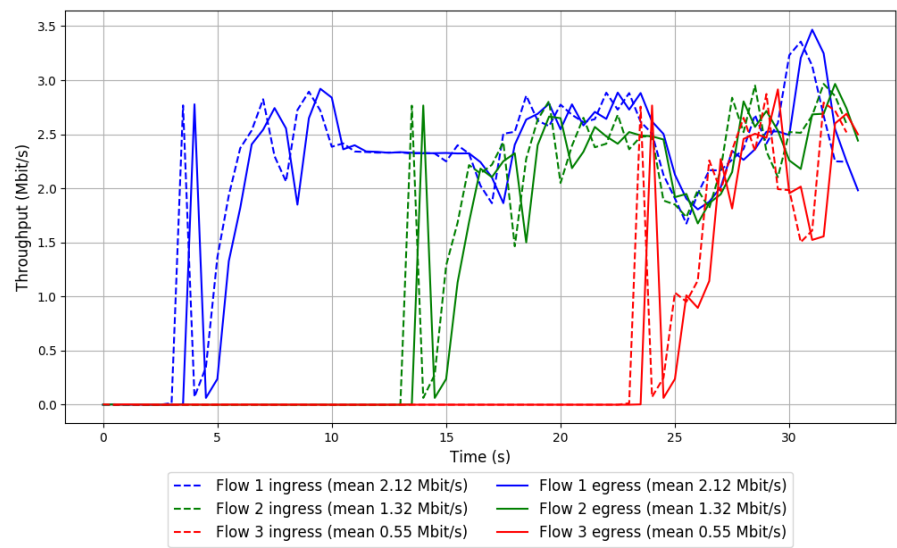
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 50.682 ms

Loss rate: 1.16%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-20 21:57:51

End at: 2018-07-20 21:58:21

Local clock offset: -0.464 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-21 02:25:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 50.700 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 50.688 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 50.748 ms

Loss rate: 0.60%

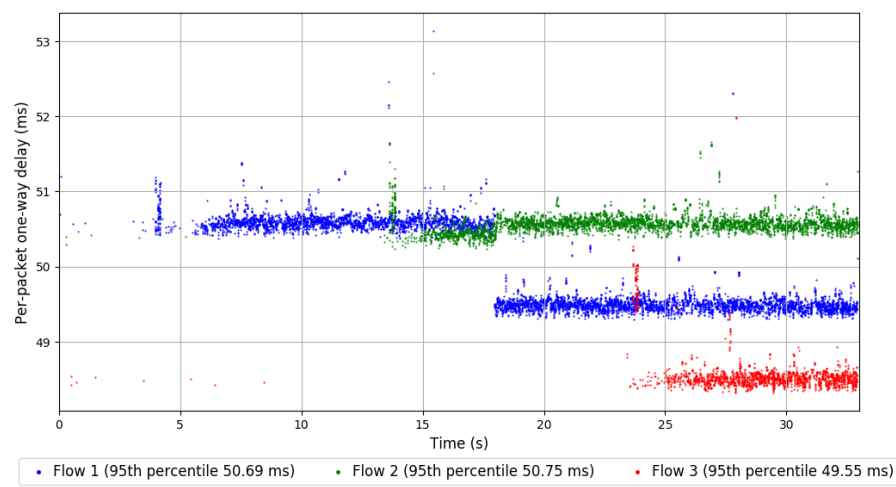
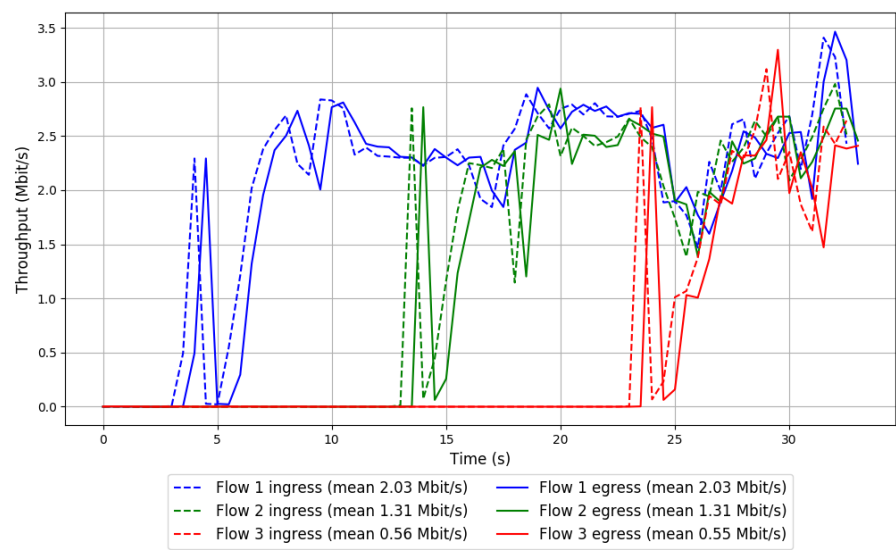
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 49.545 ms

Loss rate: 1.73%

Run 5: Report of WebRTC media — Data Link

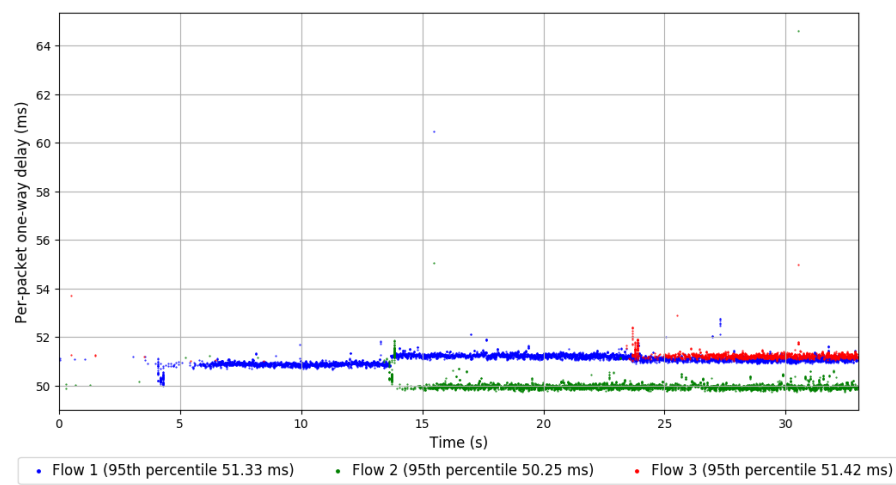
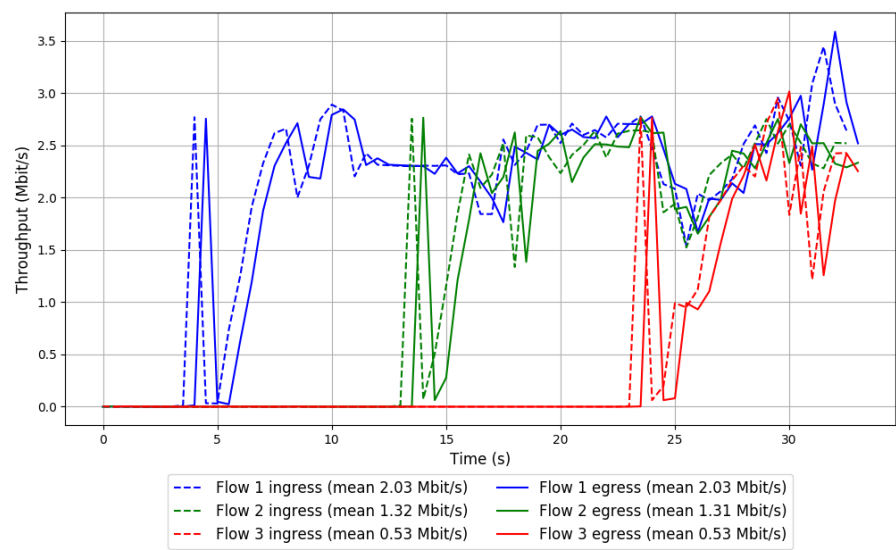


Run 6: Statistics of WebRTC media

Start at: 2018-07-20 22:21:45
End at: 2018-07-20 22:22:15
Local clock offset: 0.214 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-21 02:25:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 51.321 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 51.327 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 50.248 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 51.418 ms
Loss rate: 1.16%

Run 6: Report of WebRTC media — Data Link

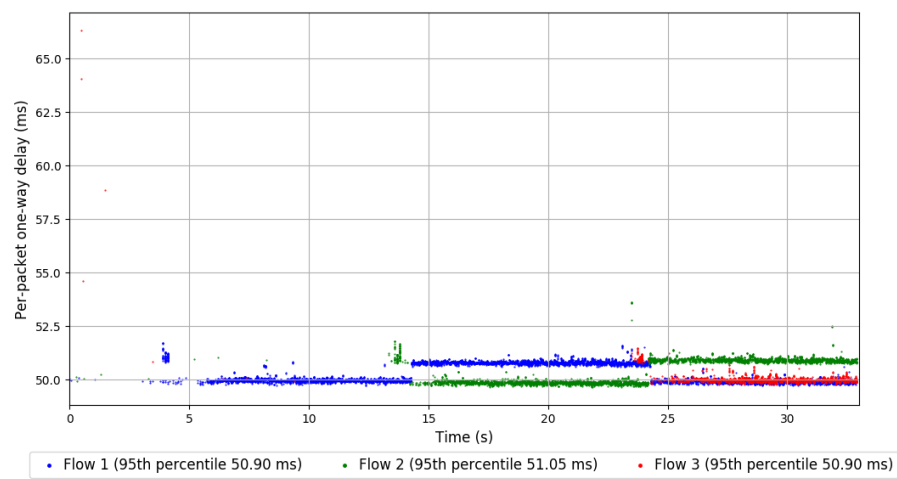
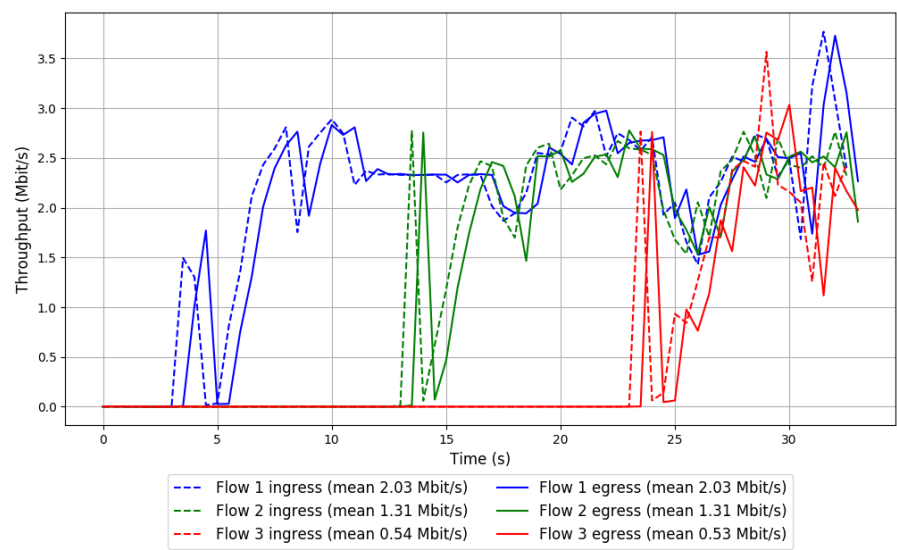


Run 7: Statistics of WebRTC media

Start at: 2018-07-20 22:45:34
End at: 2018-07-20 22:46:04
Local clock offset: -0.092 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-21 02:25:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 50.985 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 50.901 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 51.052 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 50.901 ms
Loss rate: 1.83%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-20 23:09:20

End at: 2018-07-20 23:09:50

Local clock offset: -0.164 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-21 02:25:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.91 Mbit/s

95th percentile per-packet one-way delay: 50.921 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 50.862 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 50.830 ms

Loss rate: 0.48%

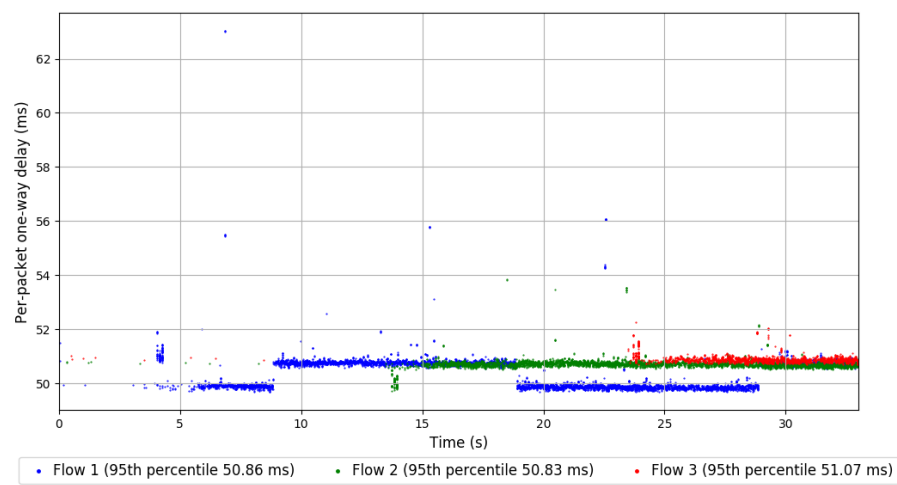
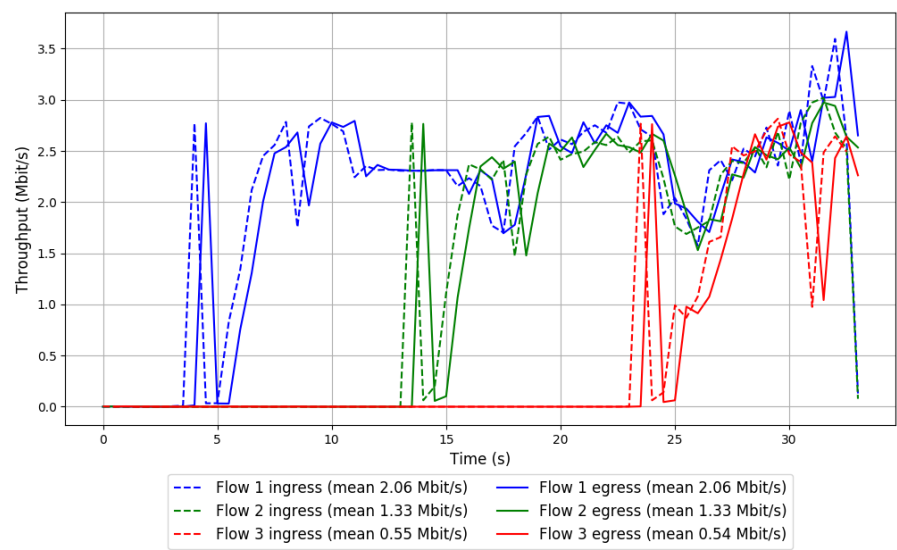
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 51.073 ms

Loss rate: 1.16%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-20 23:33:15

End at: 2018-07-20 23:33:45

Local clock offset: -0.135 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2018-07-21 02:25:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.89 Mbit/s

95th percentile per-packet one-way delay: 50.979 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 50.156 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 51.029 ms

Loss rate: 0.49%

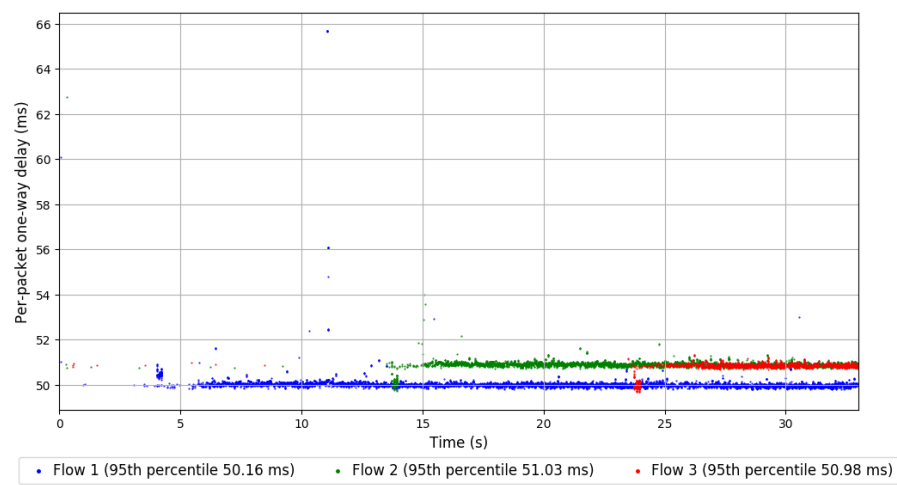
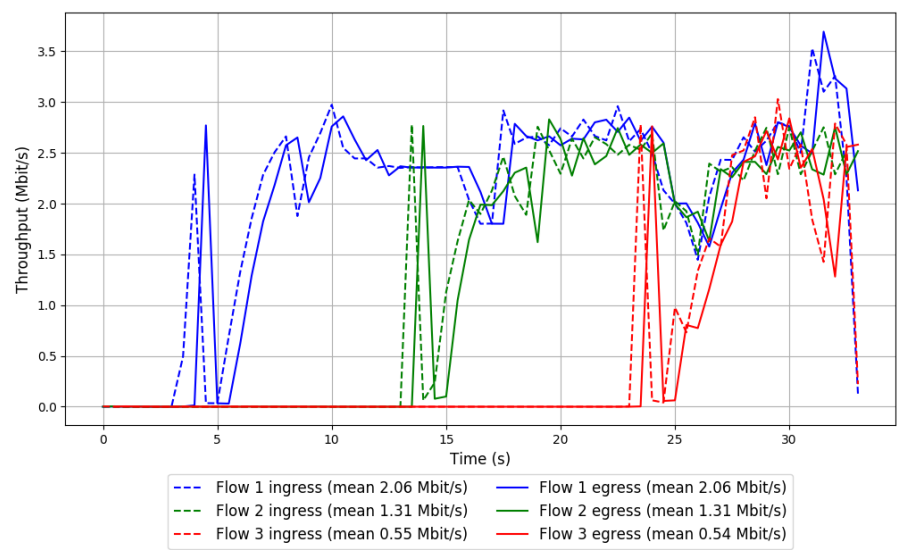
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 50.977 ms

Loss rate: 1.73%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-20 23:57:06

End at: 2018-07-20 23:57:36

Local clock offset: 0.272 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-21 02:25:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 51.242 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 51.257 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 51.225 ms

Loss rate: 0.78%

-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 51.229 ms

Loss rate: 1.81%

Run 10: Report of WebRTC media — Data Link

