

Pantheon Report

Generated at 2018-07-17 20:52:05 (UTC).

Data path: AWS California 2 Ethernet (*local*) → Mexico Ethernet (*remote*).

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.

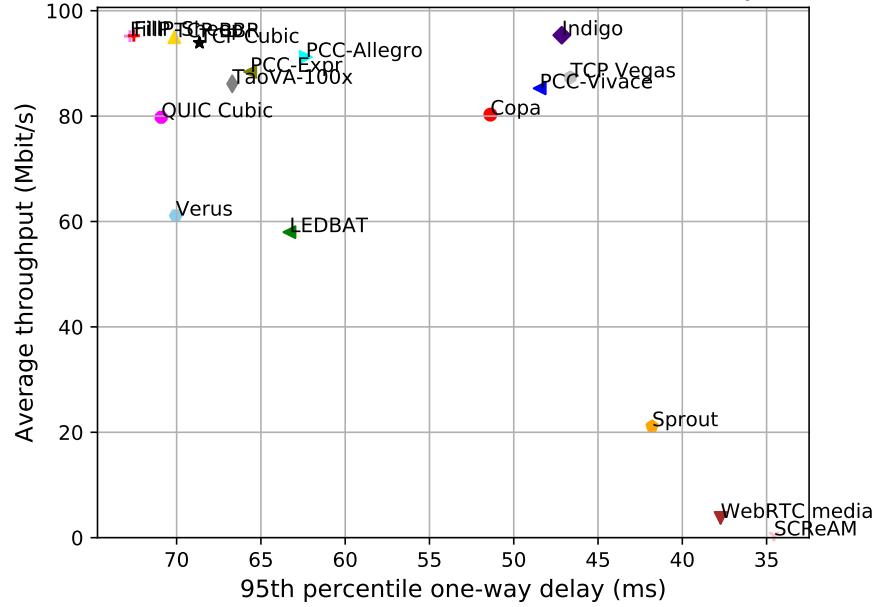
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

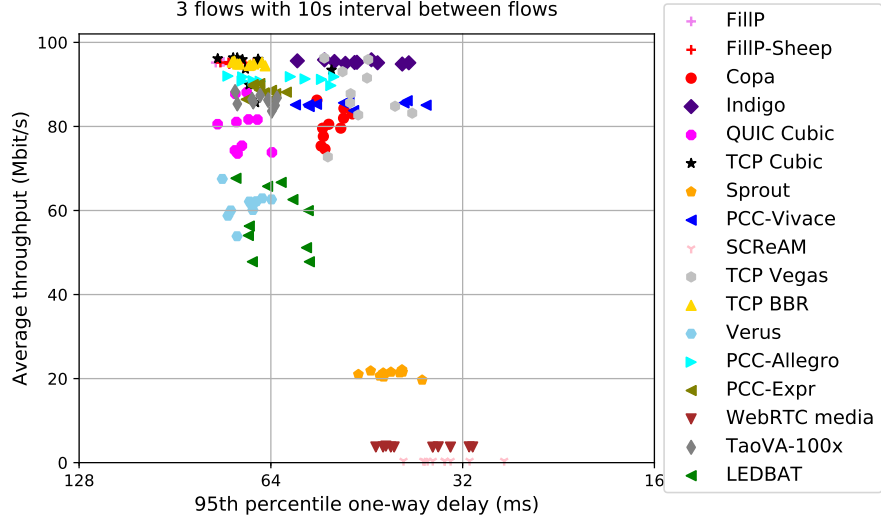
Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
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-quick @ 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 AWS California 2 to Mexico, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS California 2 to Mexico, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



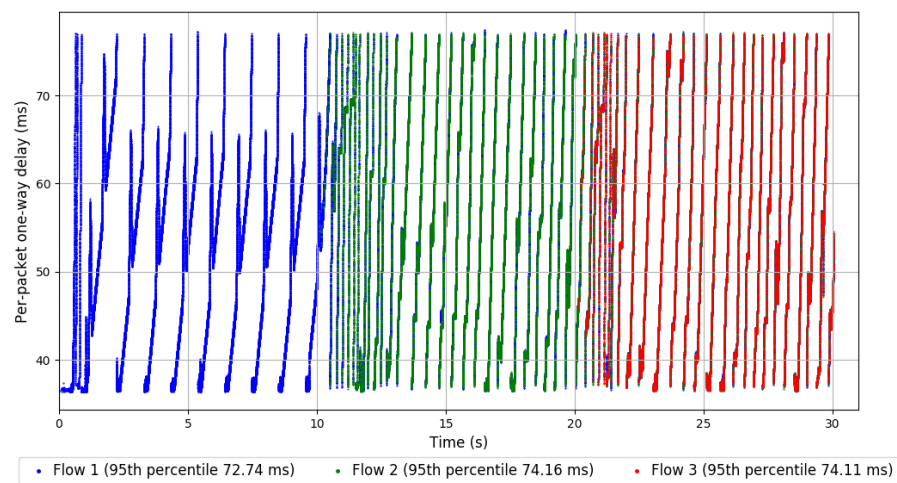
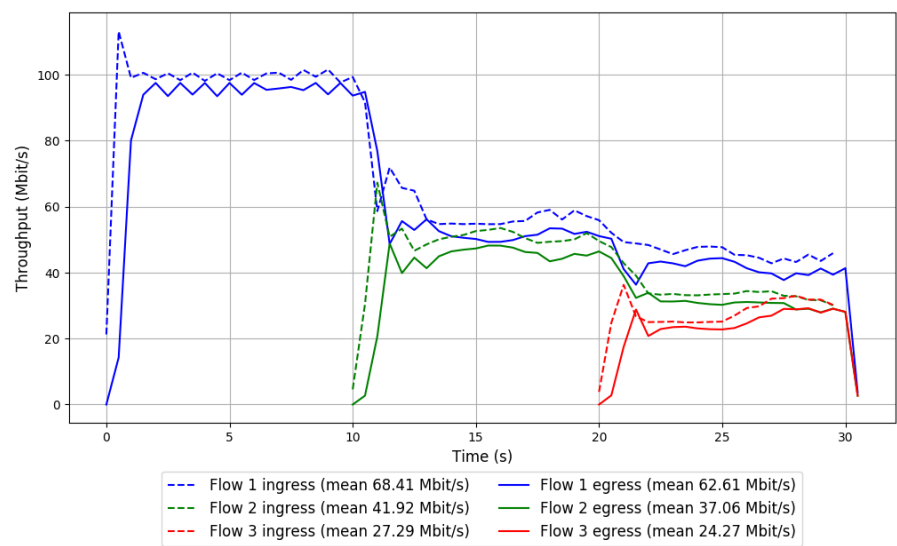
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	62.43	32.74	32.33	69.23	71.40	71.07	8.27	11.46	11.92
Copa	10	54.08	26.52	25.71	52.61	50.46	48.68	0.57	0.38	0.36
TCP Cubic	10	66.14	26.73	29.97	68.38	67.85	66.34	0.62	0.52	0.56
FillP	10	60.67	37.20	29.48	72.52	72.55	73.75	21.35	31.71	38.86
FillP-Sheep	10	59.62	37.47	32.42	71.39	72.99	74.25	14.64	26.77	30.54
Indigo	10	65.02	31.90	27.97	43.96	49.24	52.35	0.20	0.27	0.09
LEDBAT	10	36.60	25.43	13.34	61.61	64.45	62.65	0.08	0.10	0.09
PCC-Allegro	10	81.28	10.13	9.68	61.85	65.07	63.48	2.46	2.81	3.98
PCC-Expr	10	68.97	23.09	12.27	64.10	68.10	68.23	1.42	0.82	0.90
QUIC Cubic	10	58.29	21.51	21.95	70.45	70.28	71.44	3.26	1.25	2.00
SCReAM	10	0.21	0.22	0.22	33.53	33.52	32.89	0.02	0.02	0.00
Sprout	10	10.79	10.60	10.03	41.56	41.65	40.91	0.01	0.04	0.03
TaoVA-100x	10	51.75	37.82	27.98	64.10	68.31	69.30	13.40	23.64	20.47
TCP Vegas	10	55.83	34.24	26.24	45.08	47.64	47.26	0.71	0.22	0.08
Verus	10	40.97	25.42	12.92	70.13	69.87	64.36	46.59	47.24	31.95
PCC-Vivace	10	64.17	25.50	12.54	48.01	49.54	47.52	0.05	0.04	0.03
WebRTC media	10	2.00	1.29	0.47	36.53	37.46	37.52	0.01	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-17 16:50:15
End at: 2018-07-17 16:50:45
Local clock offset: 0.882 ms
Remote clock offset: -17.828 ms

Below is generated by plot.py at 2018-07-17 20:30:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 73.361 ms
Loss rate: 9.50%
-- Flow 1:
Average throughput: 62.61 Mbit/s
95th percentile per-packet one-way delay: 72.741 ms
Loss rate: 8.43%
-- Flow 2:
Average throughput: 37.06 Mbit/s
95th percentile per-packet one-way delay: 74.157 ms
Loss rate: 11.64%
-- Flow 3:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 74.106 ms
Loss rate: 10.94%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-17 17:13:07

End at: 2018-07-17 17:13:37

Local clock offset: 0.638 ms

Remote clock offset: -4.72 ms

Below is generated by plot.py at 2018-07-17 20:30:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.86 Mbit/s

95th percentile per-packet one-way delay: 71.649 ms

Loss rate: 9.16%

-- Flow 1:

Average throughput: 60.49 Mbit/s

95th percentile per-packet one-way delay: 69.791 ms

Loss rate: 7.78%

-- Flow 2:

Average throughput: 36.47 Mbit/s

95th percentile per-packet one-way delay: 74.841 ms

Loss rate: 10.66%

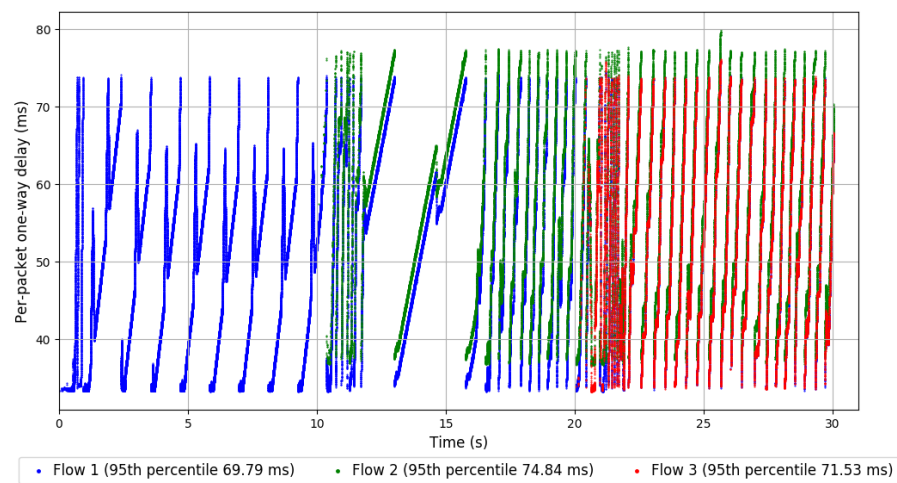
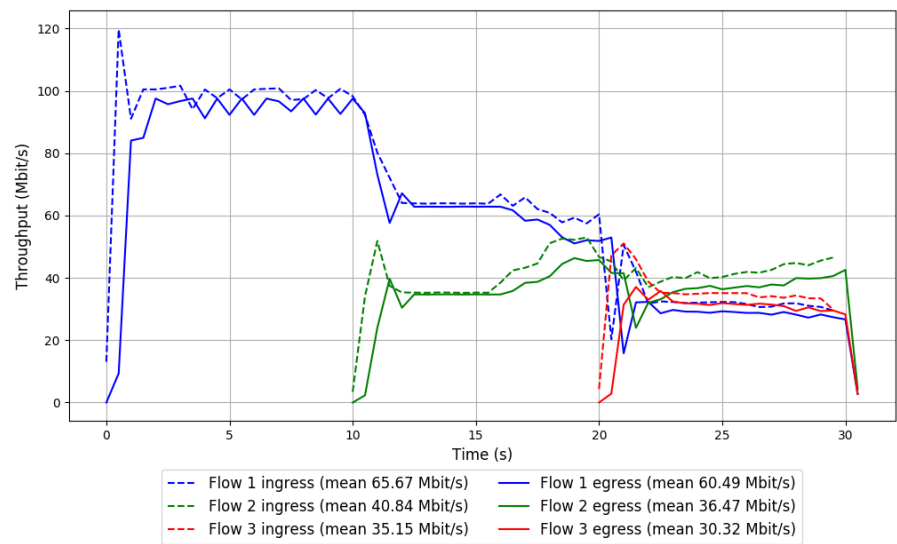
-- Flow 3:

Average throughput: 30.32 Mbit/s

95th percentile per-packet one-way delay: 71.534 ms

Loss rate: 13.46%

Run 2: Report of TCP BBR — Data Link

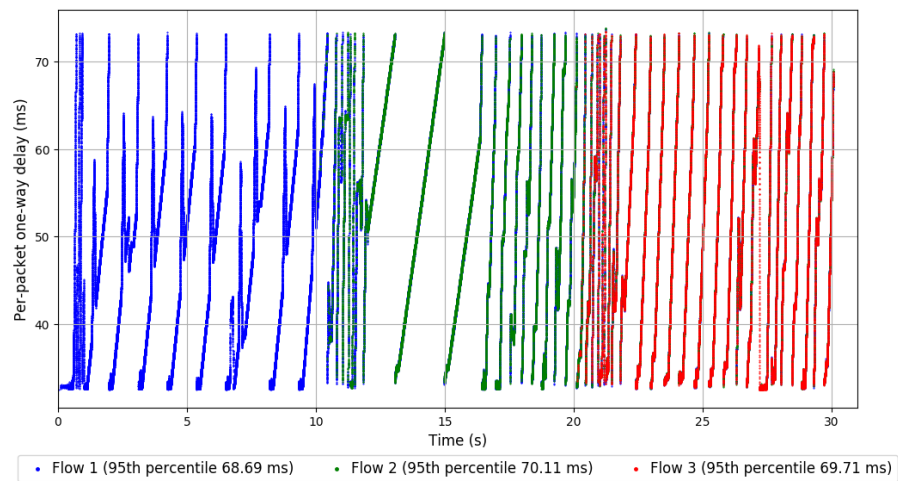
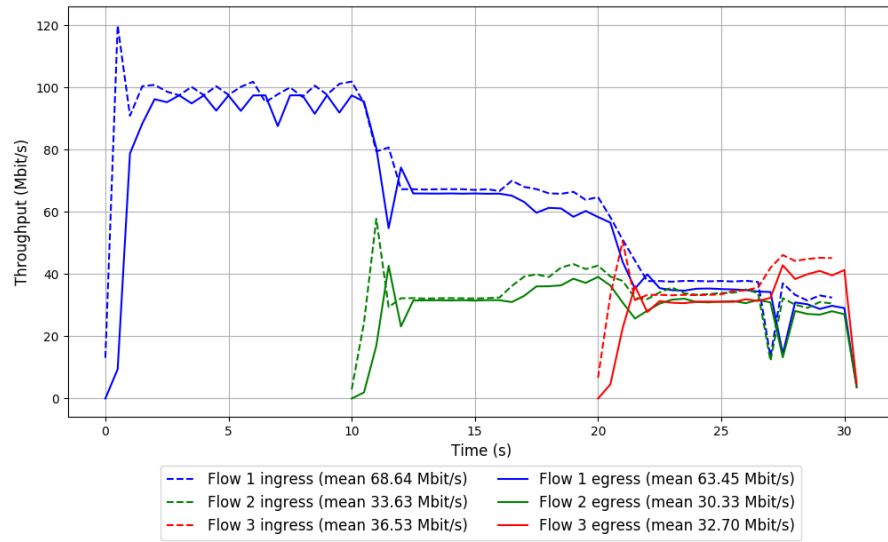


Run 3: Statistics of TCP BBR

Start at: 2018-07-17 17:36:03
End at: 2018-07-17 17:36:33
Local clock offset: 0.707 ms
Remote clock offset: -3.245 ms

Below is generated by plot.py at 2018-07-17 20:30:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.51 Mbit/s
95th percentile per-packet one-way delay: 69.213 ms
Loss rate: 8.29%
-- Flow 1:
Average throughput: 63.45 Mbit/s
95th percentile per-packet one-way delay: 68.693 ms
Loss rate: 7.44%
-- Flow 2:
Average throughput: 30.33 Mbit/s
95th percentile per-packet one-way delay: 70.108 ms
Loss rate: 9.73%
-- Flow 3:
Average throughput: 32.70 Mbit/s
95th percentile per-packet one-way delay: 69.713 ms
Loss rate: 10.47%

Run 3: Report of TCP BBR — Data Link

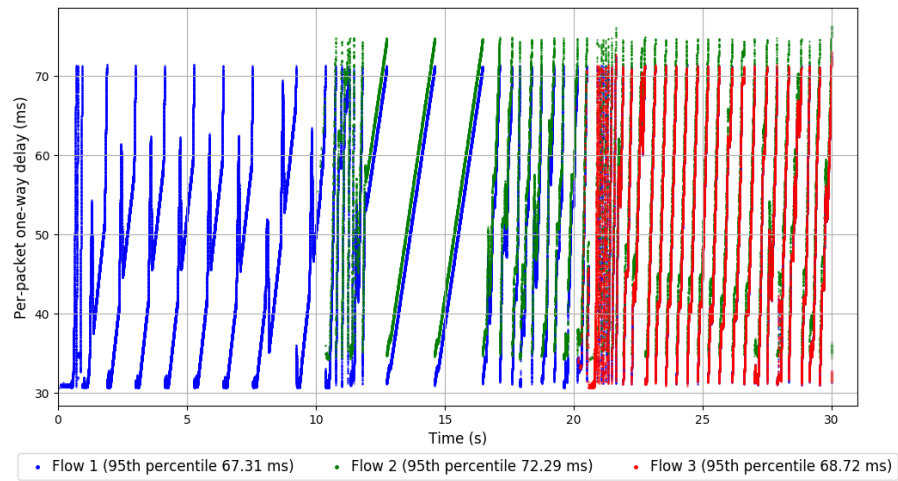
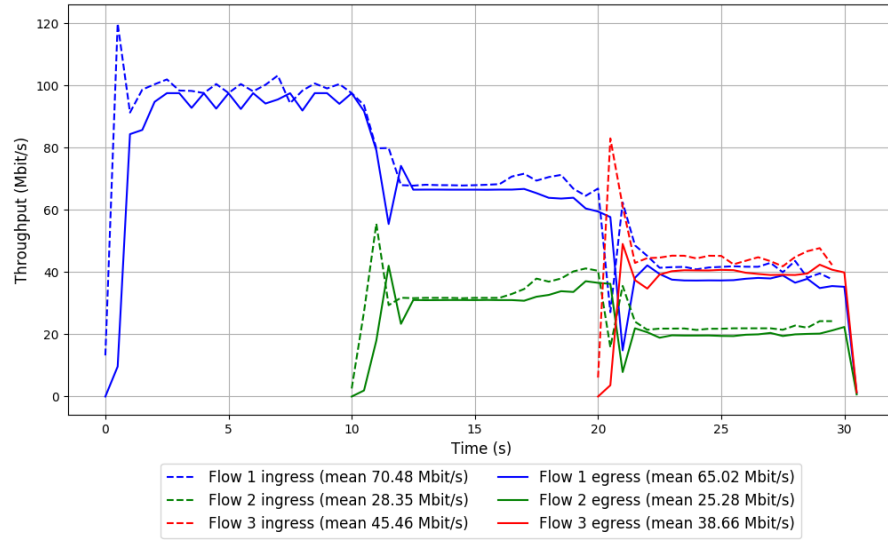


Run 4: Statistics of TCP BBR

Start at: 2018-07-17 17:59:00
End at: 2018-07-17 17:59:30
Local clock offset: 0.906 ms
Remote clock offset: -3.507 ms

Below is generated by plot.py at 2018-07-17 20:30:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.64 Mbit/s
95th percentile per-packet one-way delay: 68.892 ms
Loss rate: 9.40%
-- Flow 1:
Average throughput: 65.02 Mbit/s
95th percentile per-packet one-way delay: 67.310 ms
Loss rate: 7.75%
-- Flow 2:
Average throughput: 25.28 Mbit/s
95th percentile per-packet one-way delay: 72.288 ms
Loss rate: 10.93%
-- Flow 3:
Average throughput: 38.66 Mbit/s
95th percentile per-packet one-way delay: 68.722 ms
Loss rate: 15.23%

Run 4: Report of TCP BBR — Data Link

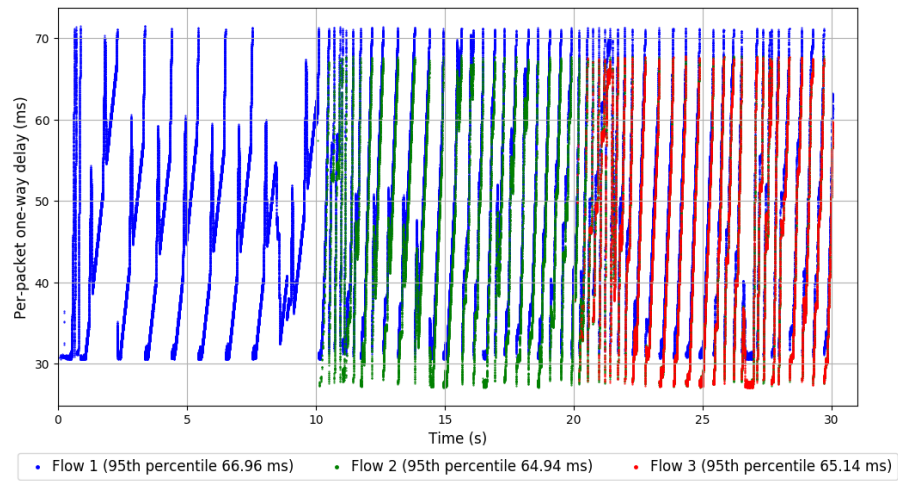
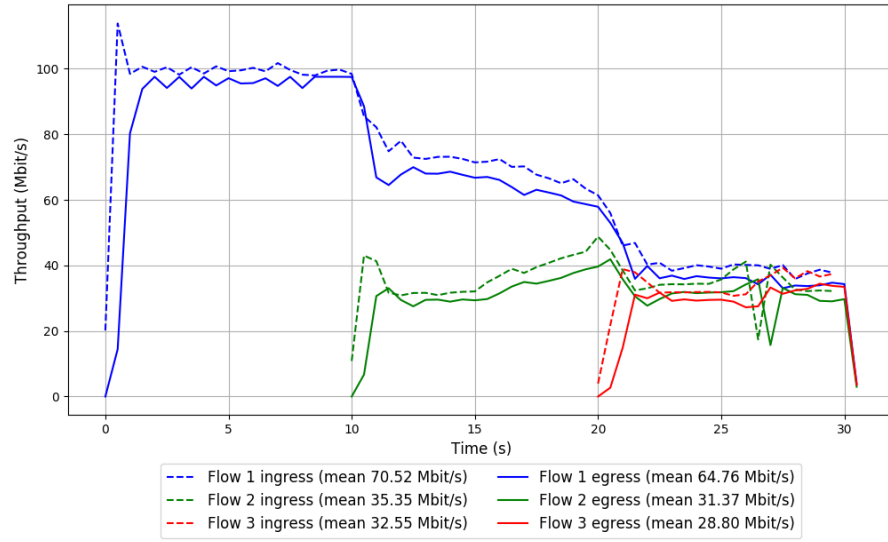


Run 5: Statistics of TCP BBR

Start at: 2018-07-17 18:22:06
End at: 2018-07-17 18:22:36
Local clock offset: 0.592 ms
Remote clock offset: -9.156 ms

Below is generated by plot.py at 2018-07-17 20:30:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 66.076 ms
Loss rate: 9.12%
-- Flow 1:
Average throughput: 64.76 Mbit/s
95th percentile per-packet one-way delay: 66.958 ms
Loss rate: 8.08%
-- Flow 2:
Average throughput: 31.37 Mbit/s
95th percentile per-packet one-way delay: 64.944 ms
Loss rate: 11.25%
-- Flow 3:
Average throughput: 28.80 Mbit/s
95th percentile per-packet one-way delay: 65.145 ms
Loss rate: 11.32%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-17 18:44:58

End at: 2018-07-17 18:45:28

Local clock offset: 0.171 ms

Remote clock offset: 0.89 ms

Below is generated by plot.py at 2018-07-17 20:30:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.87 Mbit/s

95th percentile per-packet one-way delay: 68.072 ms

Loss rate: 10.01%

-- Flow 1:

Average throughput: 61.12 Mbit/s

95th percentile per-packet one-way delay: 67.096 ms

Loss rate: 8.93%

-- Flow 2:

Average throughput: 37.32 Mbit/s

95th percentile per-packet one-way delay: 68.293 ms

Loss rate: 11.82%

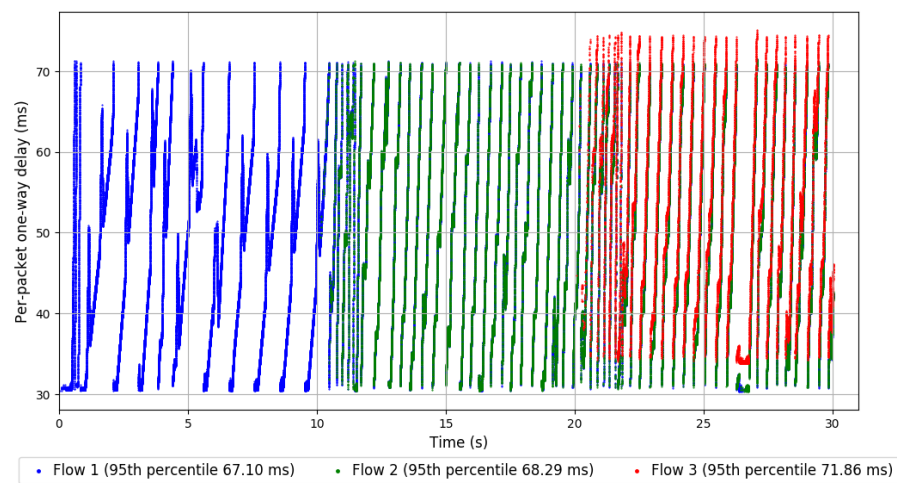
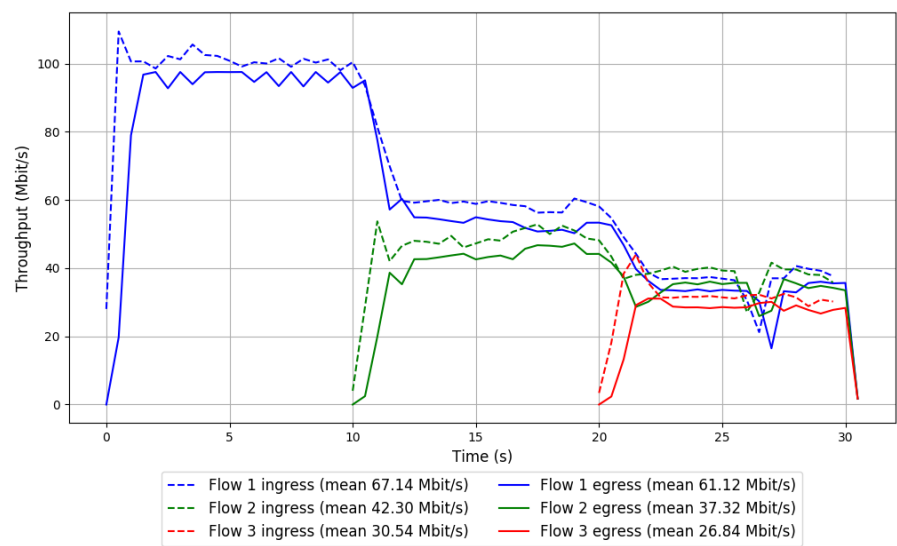
-- Flow 3:

Average throughput: 26.84 Mbit/s

95th percentile per-packet one-way delay: 71.858 ms

Loss rate: 12.13%

Run 6: Report of TCP BBR — Data Link

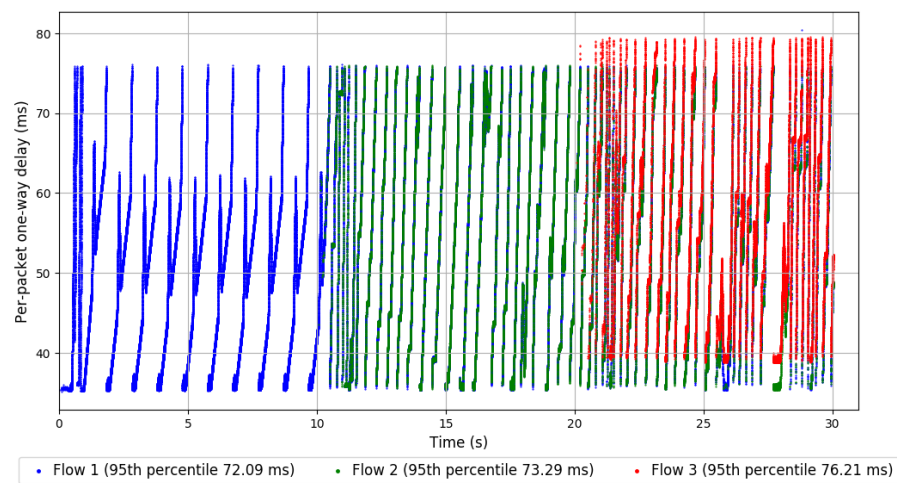
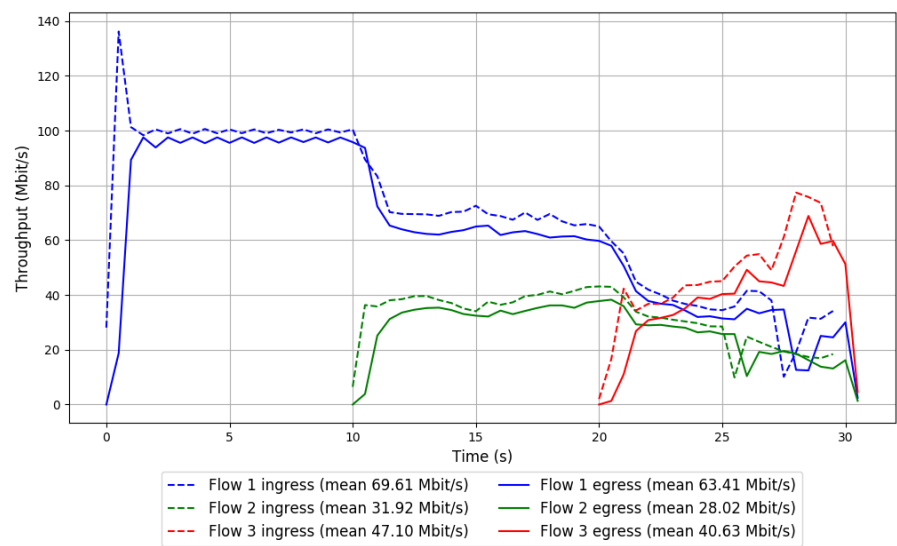


Run 7: Statistics of TCP BBR

Start at: 2018-07-17 19:07:51
End at: 2018-07-17 19:08:21
Local clock offset: 11.16 ms
Remote clock offset: 10.621 ms

Below is generated by plot.py at 2018-07-17 20:30:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 73.026 ms
Loss rate: 10.27%
-- Flow 1:
Average throughput: 63.41 Mbit/s
95th percentile per-packet one-way delay: 72.090 ms
Loss rate: 8.87%
-- Flow 2:
Average throughput: 28.02 Mbit/s
95th percentile per-packet one-way delay: 73.290 ms
Loss rate: 12.20%
-- Flow 3:
Average throughput: 40.63 Mbit/s
95th percentile per-packet one-way delay: 76.207 ms
Loss rate: 13.86%

Run 7: Report of TCP BBR — Data Link

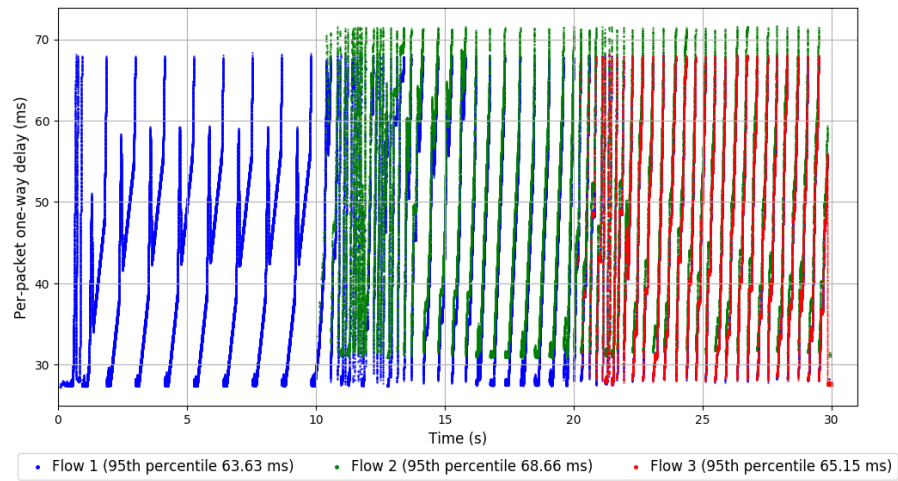
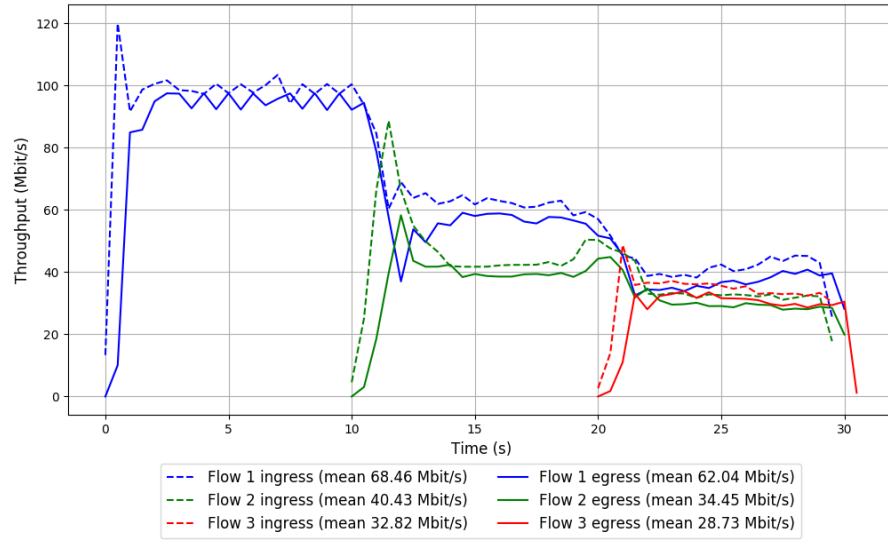


Run 8: Statistics of TCP BBR

Start at: 2018-07-17 19:30:46
End at: 2018-07-17 19:31:16
Local clock offset: 11.019 ms
Remote clock offset: -10.737 ms

Below is generated by plot.py at 2018-07-17 20:30:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 65.312 ms
Loss rate: 11.08%
-- Flow 1:
Average throughput: 62.04 Mbit/s
95th percentile per-packet one-way delay: 63.632 ms
Loss rate: 9.38%
-- Flow 2:
Average throughput: 34.45 Mbit/s
95th percentile per-packet one-way delay: 68.655 ms
Loss rate: 14.80%
-- Flow 3:
Average throughput: 28.73 Mbit/s
95th percentile per-packet one-way delay: 65.149 ms
Loss rate: 12.55%

Run 8: Report of TCP BBR — Data Link

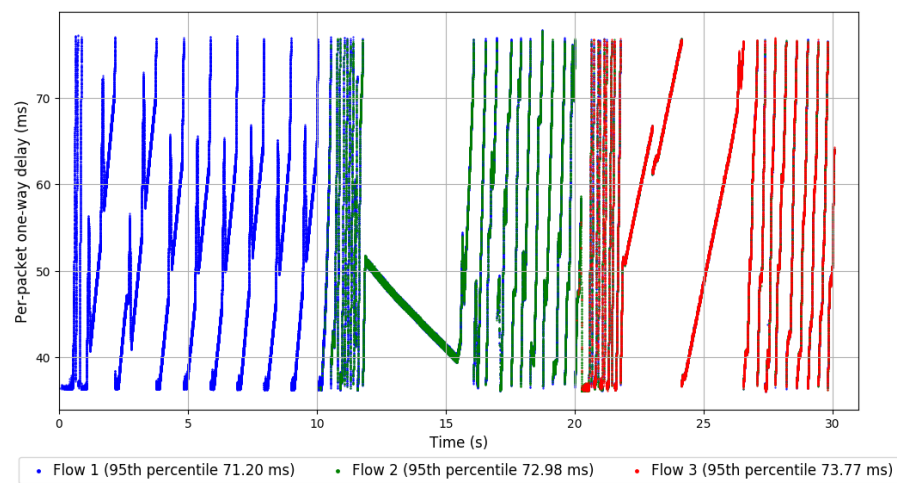
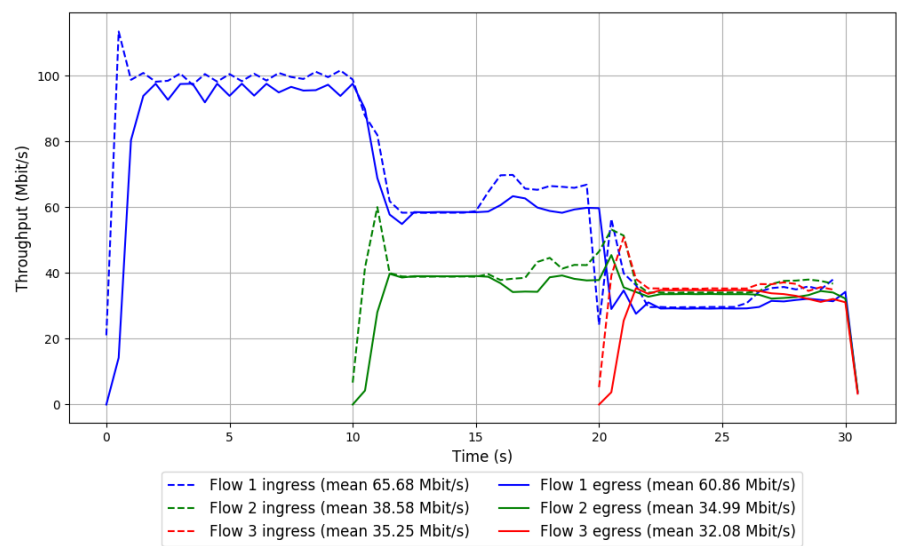


Run 9: Statistics of TCP BBR

Start at: 2018-07-17 19:53:38
End at: 2018-07-17 19:54:08
Local clock offset: 5.53 ms
Remote clock offset: -4.455 ms

Below is generated by plot.py at 2018-07-17 20:30:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.86 Mbit/s
95th percentile per-packet one-way delay: 72.158 ms
Loss rate: 7.91%
-- Flow 1:
Average throughput: 60.86 Mbit/s
95th percentile per-packet one-way delay: 71.203 ms
Loss rate: 7.26%
-- Flow 2:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: 72.980 ms
Loss rate: 9.17%
-- Flow 3:
Average throughput: 32.08 Mbit/s
95th percentile per-packet one-way delay: 73.768 ms
Loss rate: 8.83%

Run 9: Report of TCP BBR — Data Link

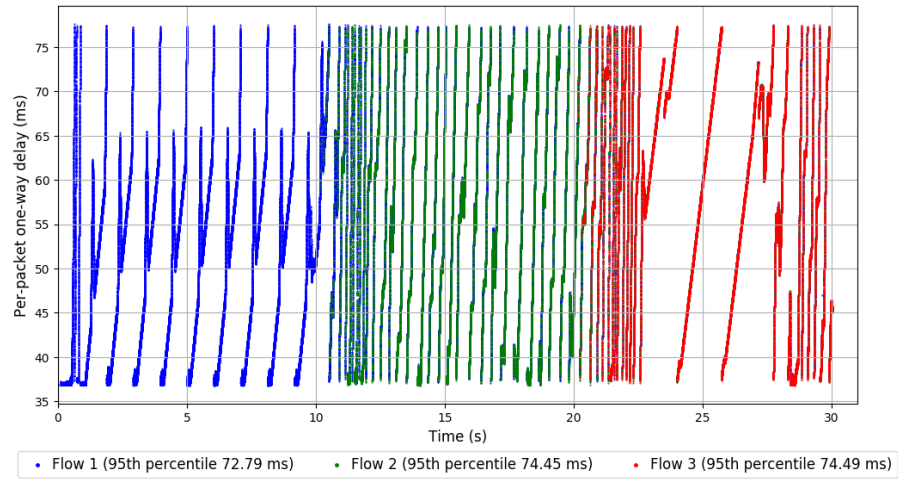
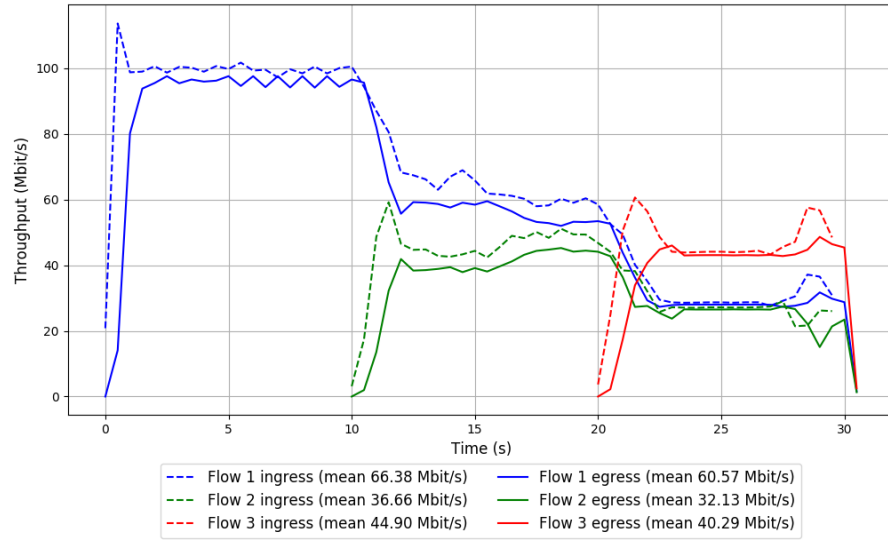


Run 10: Statistics of TCP BBR

Start at: 2018-07-17 20:16:33
End at: 2018-07-17 20:17:03
Local clock offset: -1.181 ms
Remote clock offset: -3.892 ms

Below is generated by plot.py at 2018-07-17 20:30:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 73.562 ms
Loss rate: 9.81%
-- Flow 1:
Average throughput: 60.57 Mbit/s
95th percentile per-packet one-way delay: 72.788 ms
Loss rate: 8.73%
-- Flow 2:
Average throughput: 32.13 Mbit/s
95th percentile per-packet one-way delay: 74.446 ms
Loss rate: 12.39%
-- Flow 3:
Average throughput: 40.29 Mbit/s
95th percentile per-packet one-way delay: 74.488 ms
Loss rate: 10.37%

Run 10: Report of TCP BBR — Data Link

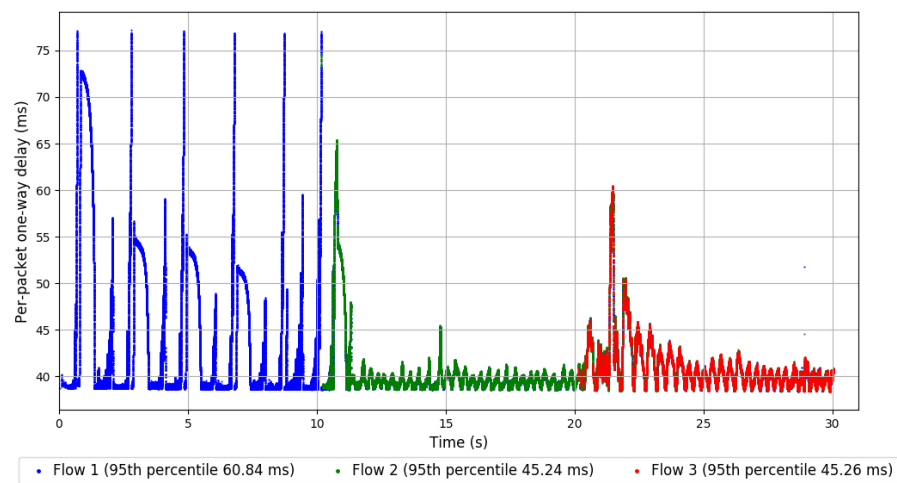
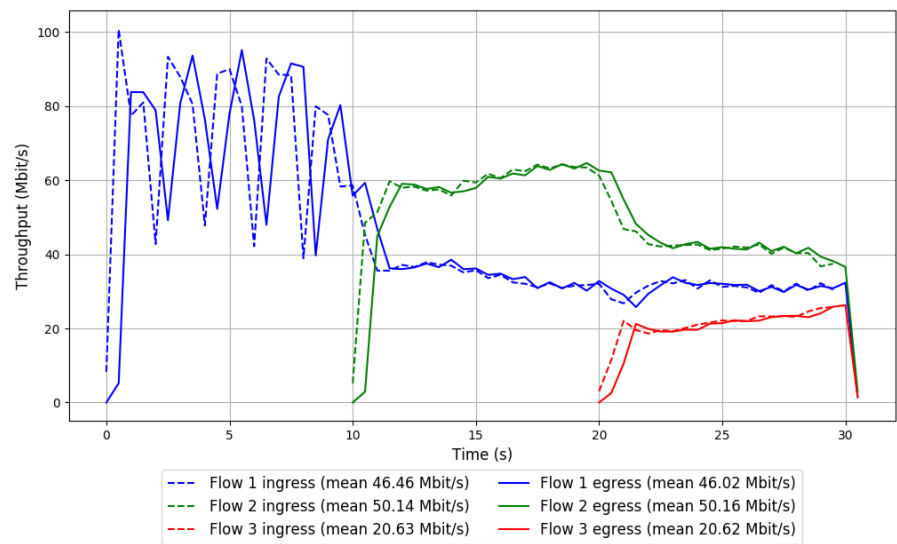


Run 1: Statistics of Copa

Start at: 2018-07-17 16:58:19
End at: 2018-07-17 16:58:49
Local clock offset: 0.624 ms
Remote clock offset: -9.138 ms

Below is generated by plot.py at 2018-07-17 20:31:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.26 Mbit/s
95th percentile per-packet one-way delay: 54.191 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 46.02 Mbit/s
95th percentile per-packet one-way delay: 60.844 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 50.16 Mbit/s
95th percentile per-packet one-way delay: 45.237 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.62 Mbit/s
95th percentile per-packet one-way delay: 45.261 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

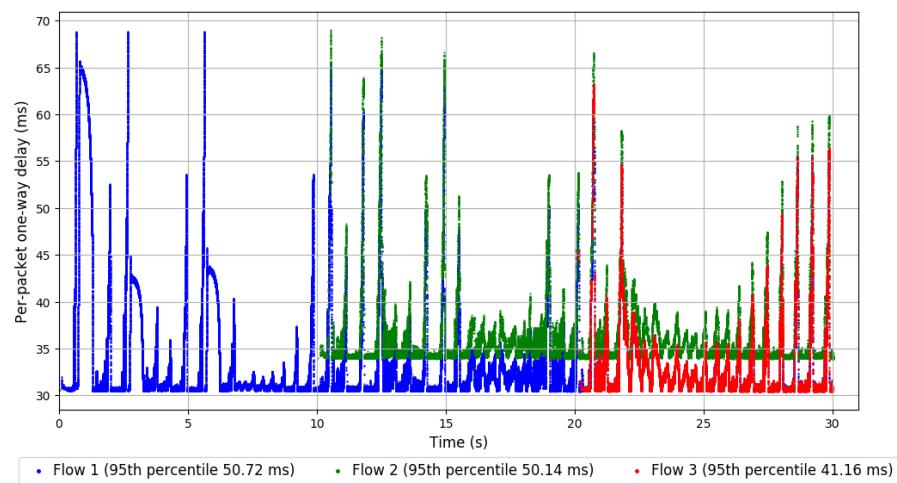
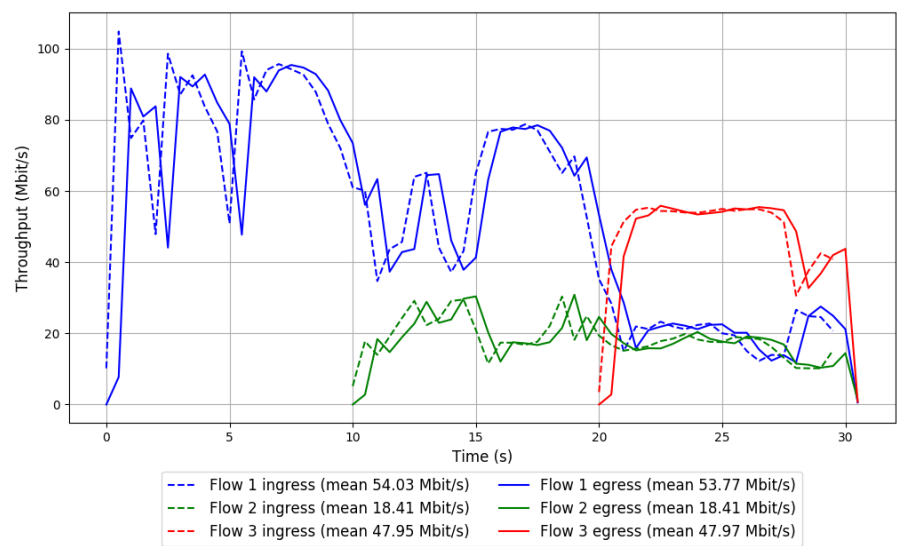


Run 2: Statistics of Copa

Start at: 2018-07-17 17:21:12
End at: 2018-07-17 17:21:42
Local clock offset: 0.659 ms
Remote clock offset: -6.106 ms

Below is generated by plot.py at 2018-07-17 20:31:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.96 Mbit/s
95th percentile per-packet one-way delay: 49.211 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 53.77 Mbit/s
95th percentile per-packet one-way delay: 50.715 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 18.41 Mbit/s
95th percentile per-packet one-way delay: 50.144 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.97 Mbit/s
95th percentile per-packet one-way delay: 41.155 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

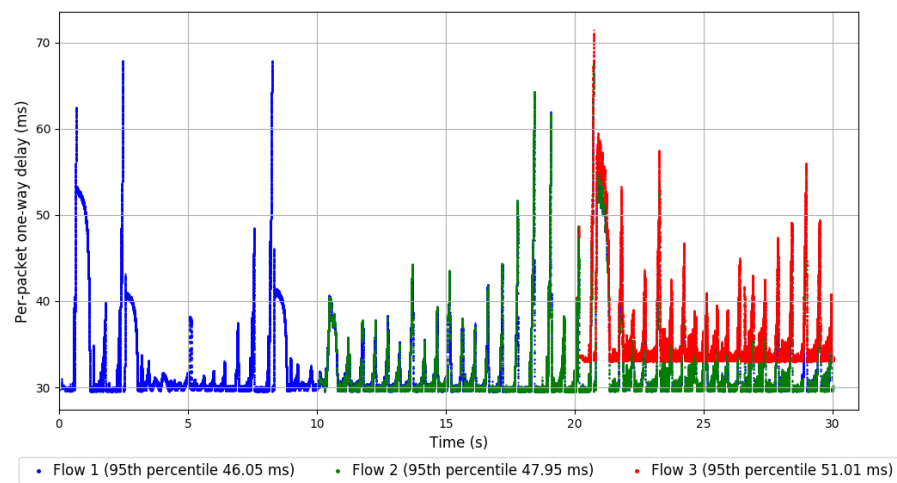
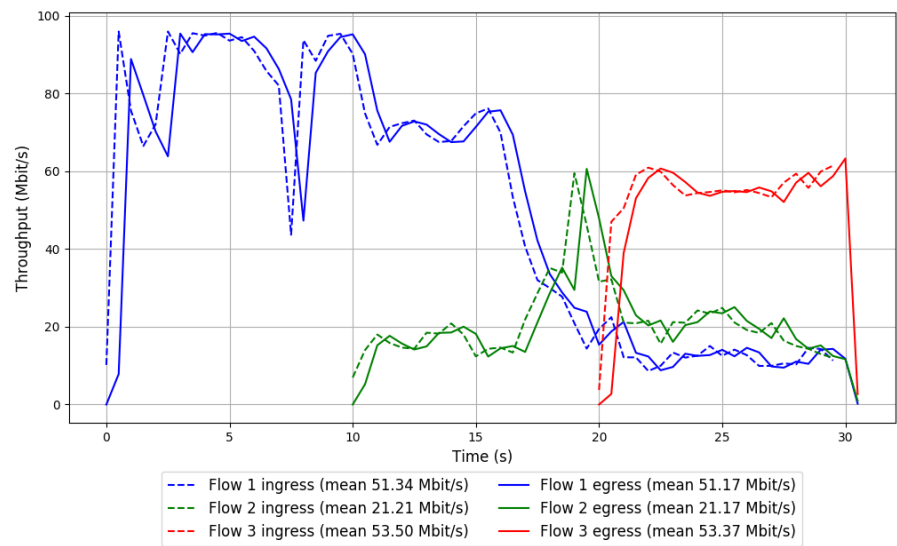


Run 3: Statistics of Copa

Start at: 2018-07-17 17:44:09
End at: 2018-07-17 17:44:39
Local clock offset: 0.767 ms
Remote clock offset: -5.851 ms

Below is generated by plot.py at 2018-07-17 20:31:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.98 Mbit/s
95th percentile per-packet one-way delay: 47.670 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 51.17 Mbit/s
95th percentile per-packet one-way delay: 46.050 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 21.17 Mbit/s
95th percentile per-packet one-way delay: 47.946 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 53.37 Mbit/s
95th percentile per-packet one-way delay: 51.012 ms
Loss rate: 0.31%

Run 3: Report of Copa — Data Link

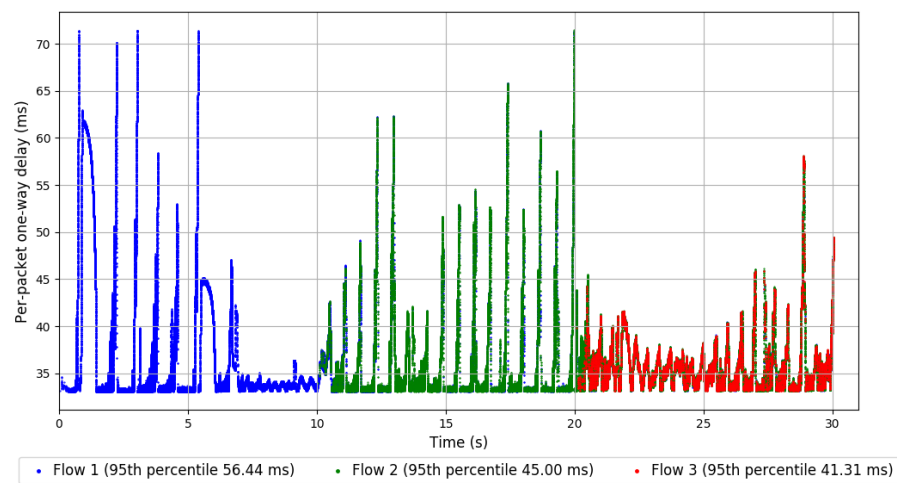
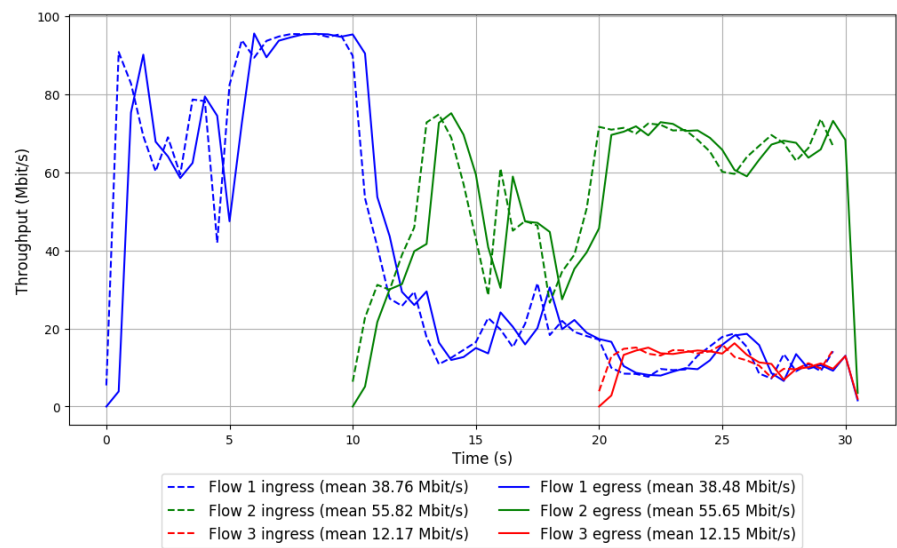


Run 4: Statistics of Copa

Start at: 2018-07-17 18:07:07
End at: 2018-07-17 18:07:37
Local clock offset: 0.937 ms
Remote clock offset: -2.464 ms

Below is generated by plot.py at 2018-07-17 20:31:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.60 Mbit/s
95th percentile per-packet one-way delay: 49.710 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 38.48 Mbit/s
95th percentile per-packet one-way delay: 56.439 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 55.65 Mbit/s
95th percentile per-packet one-way delay: 45.002 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 12.15 Mbit/s
95th percentile per-packet one-way delay: 41.307 ms
Loss rate: 0.06%

Run 4: Report of Copa — Data Link

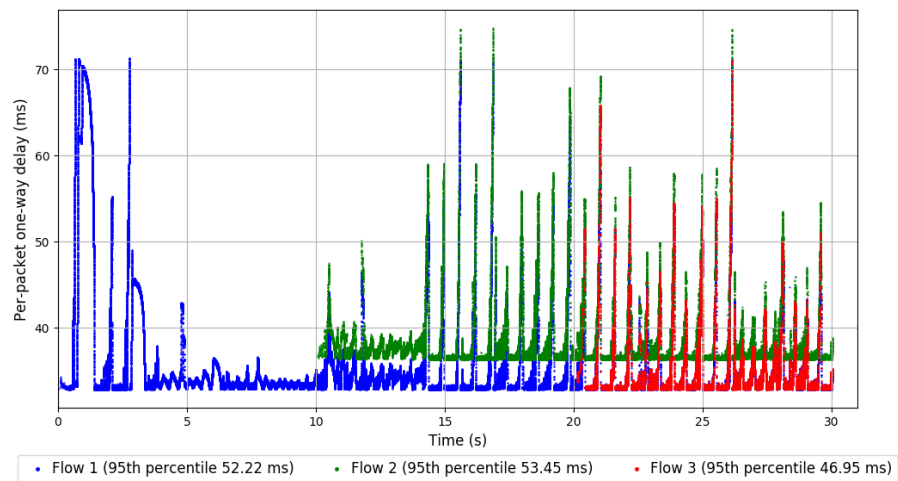
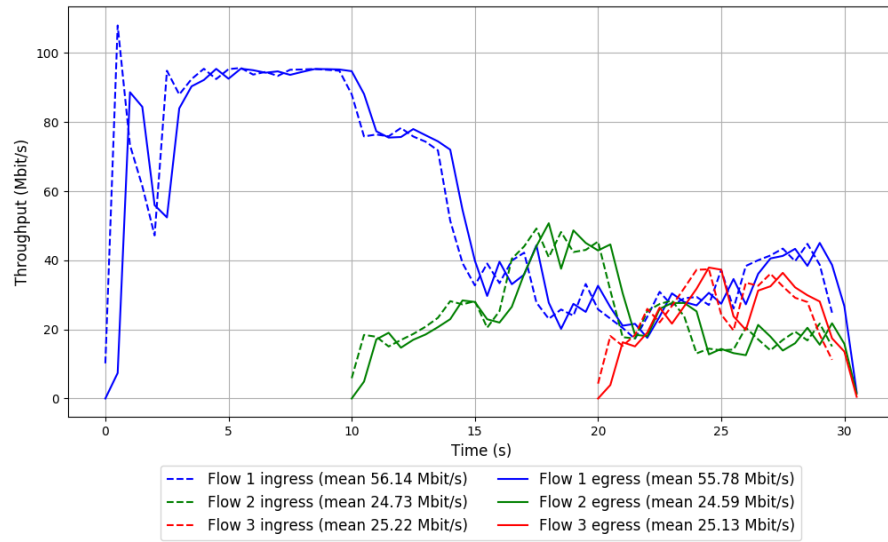


Run 5: Statistics of Copa

Start at: 2018-07-17 18:30:10
End at: 2018-07-17 18:30:40
Local clock offset: 0.299 ms
Remote clock offset: -3.406 ms

Below is generated by plot.py at 2018-07-17 20:31:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.51 Mbit/s
95th percentile per-packet one-way delay: 51.930 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 55.78 Mbit/s
95th percentile per-packet one-way delay: 52.224 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 53.446 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 25.13 Mbit/s
95th percentile per-packet one-way delay: 46.953 ms
Loss rate: 0.30%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-17 18:53:04

End at: 2018-07-17 18:53:34

Local clock offset: 5.337 ms

Remote clock offset: 3.363 ms

Below is generated by plot.py at 2018-07-17 20:31:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.35 Mbit/s

95th percentile per-packet one-way delay: 53.366 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 58.80 Mbit/s

95th percentile per-packet one-way delay: 53.305 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 15.73 Mbit/s

95th percentile per-packet one-way delay: 53.497 ms

Loss rate: 0.25%

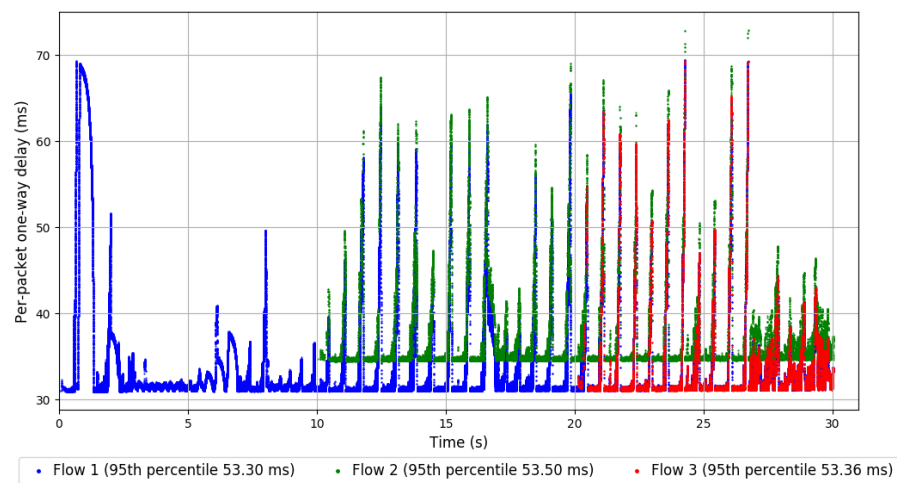
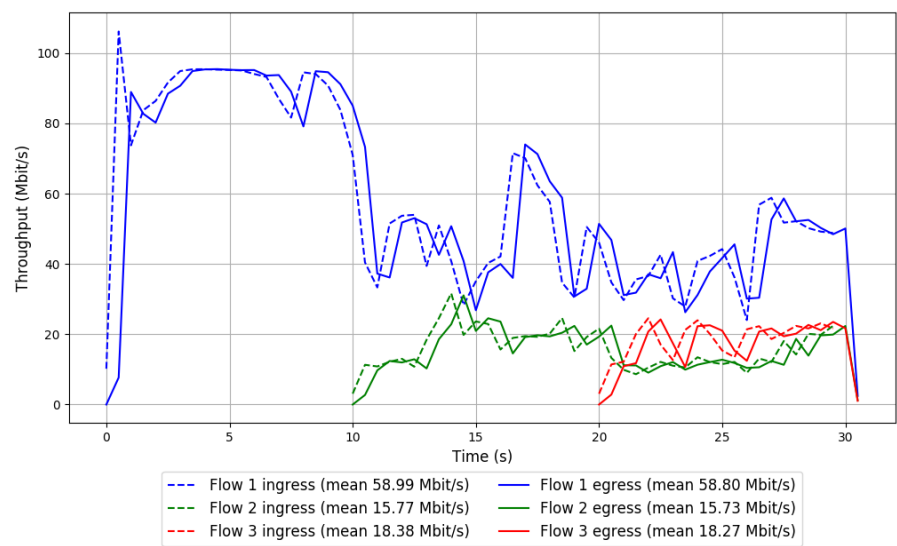
-- Flow 3:

Average throughput: 18.27 Mbit/s

95th percentile per-packet one-way delay: 53.359 ms

Loss rate: 0.62%

Run 6: Report of Copa — Data Link

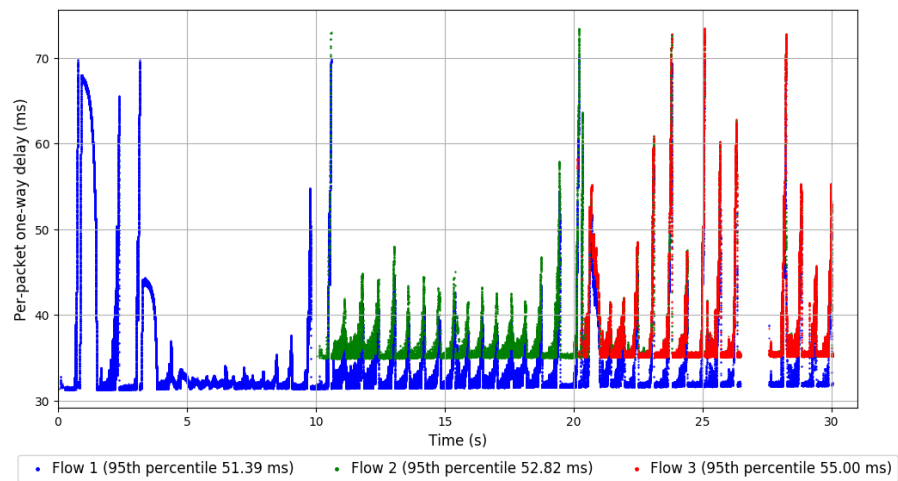
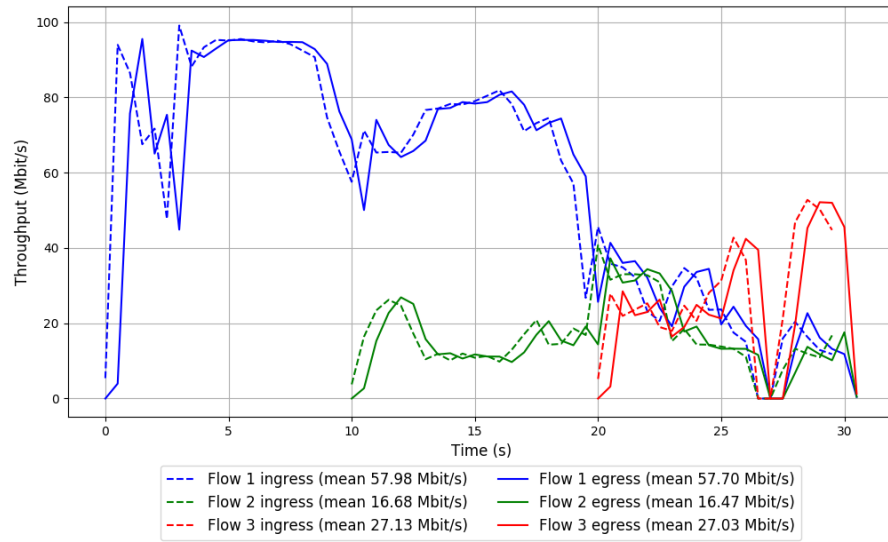


Run 7: Statistics of Copa

Start at: 2018-07-17 19:15:59
End at: 2018-07-17 19:16:29
Local clock offset: 12.663 ms
Remote clock offset: -1.374 ms

Below is generated by plot.py at 2018-07-17 20:32:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.64 Mbit/s
95th percentile per-packet one-way delay: 52.941 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 57.70 Mbit/s
95th percentile per-packet one-way delay: 51.386 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 16.47 Mbit/s
95th percentile per-packet one-way delay: 52.822 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 27.03 Mbit/s
95th percentile per-packet one-way delay: 54.997 ms
Loss rate: 0.41%

Run 7: Report of Copa — Data Link

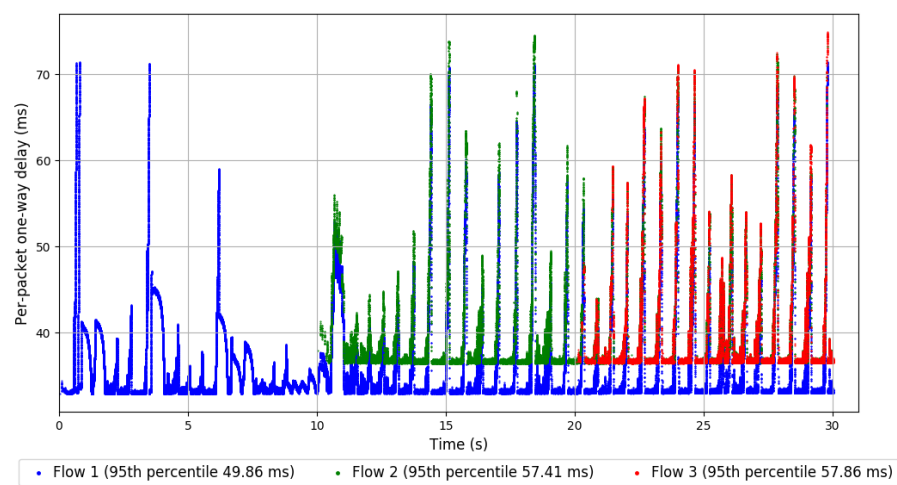
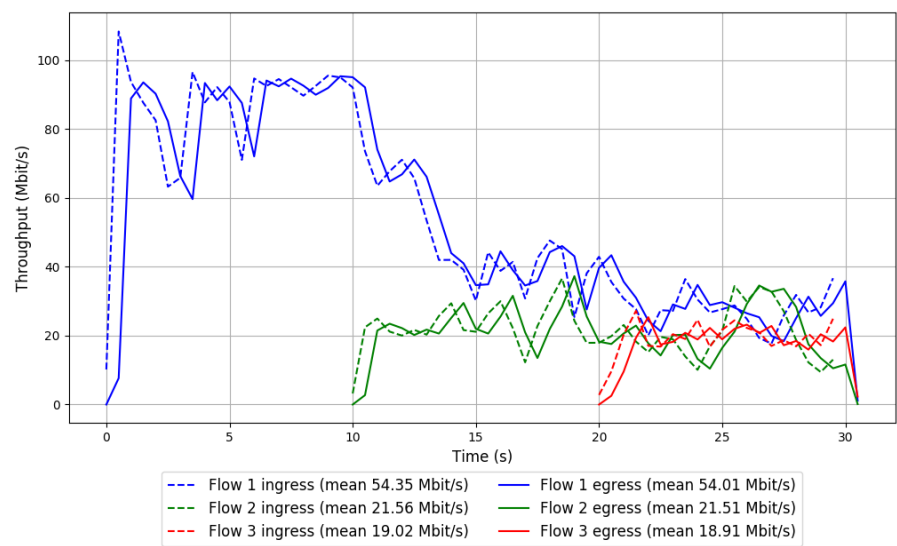


Run 8: Statistics of Copa

Start at: 2018-07-17 19:38:50
End at: 2018-07-17 19:39:20
Local clock offset: 11.072 ms
Remote clock offset: -6.327 ms

Below is generated by plot.py at 2018-07-17 20:32:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.61 Mbit/s
95th percentile per-packet one-way delay: 52.630 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 54.01 Mbit/s
95th percentile per-packet one-way delay: 49.857 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 21.51 Mbit/s
95th percentile per-packet one-way delay: 57.413 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 18.91 Mbit/s
95th percentile per-packet one-way delay: 57.859 ms
Loss rate: 0.54%

Run 8: Report of Copa — Data Link

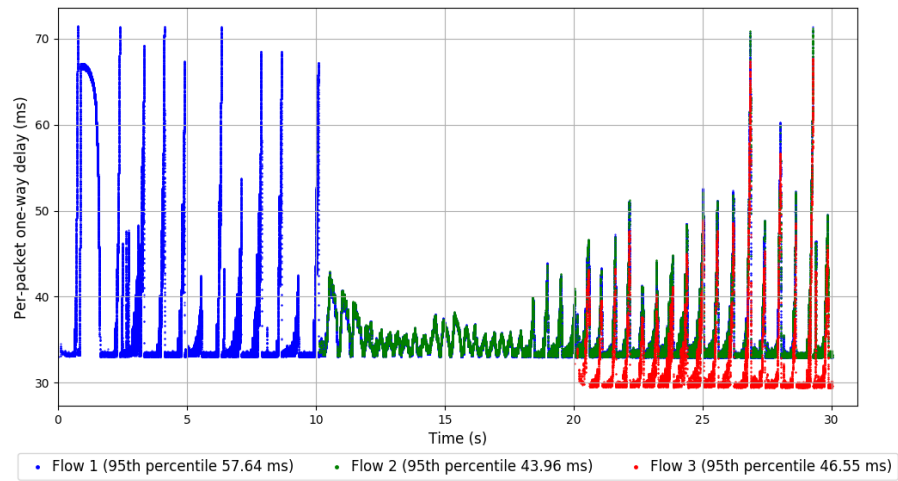
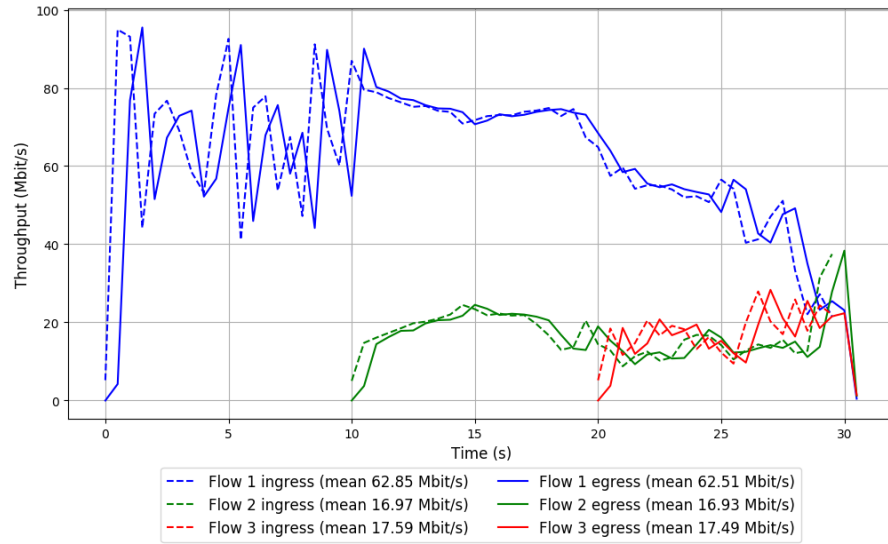


Run 9: Statistics of Copa

Start at: 2018-07-17 20:01:43
End at: 2018-07-17 20:02:13
Local clock offset: 1.699 ms
Remote clock offset: -7.578 ms

Below is generated by plot.py at 2018-07-17 20:33:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.58 Mbit/s
95th percentile per-packet one-way delay: 53.076 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 62.51 Mbit/s
95th percentile per-packet one-way delay: 57.639 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 16.93 Mbit/s
95th percentile per-packet one-way delay: 43.958 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 17.49 Mbit/s
95th percentile per-packet one-way delay: 46.554 ms
Loss rate: 0.62%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-17 20:24:39

End at: 2018-07-17 20:25:09

Local clock offset: -0.625 ms

Remote clock offset: 2.5 ms

Below is generated by plot.py at 2018-07-17 20:33:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.30 Mbit/s

95th percentile per-packet one-way delay: 49.149 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 62.59 Mbit/s

95th percentile per-packet one-way delay: 47.614 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 24.54 Mbit/s

95th percentile per-packet one-way delay: 55.088 ms

Loss rate: 0.76%

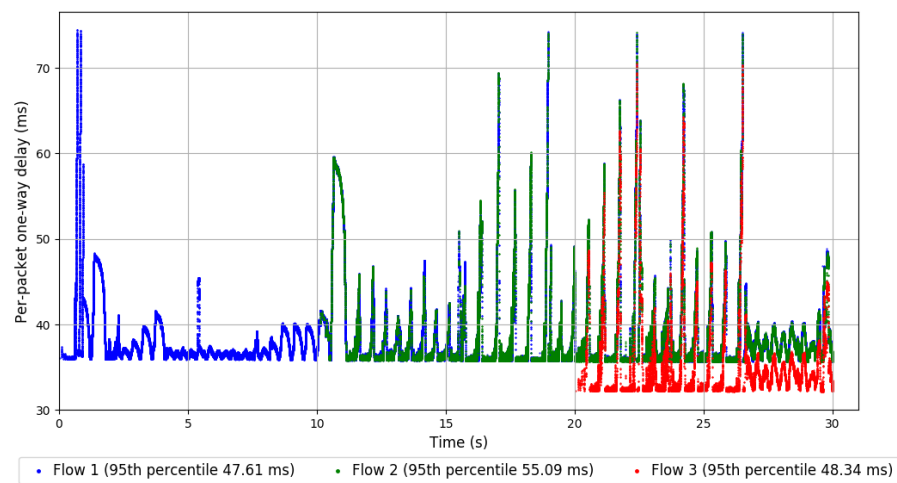
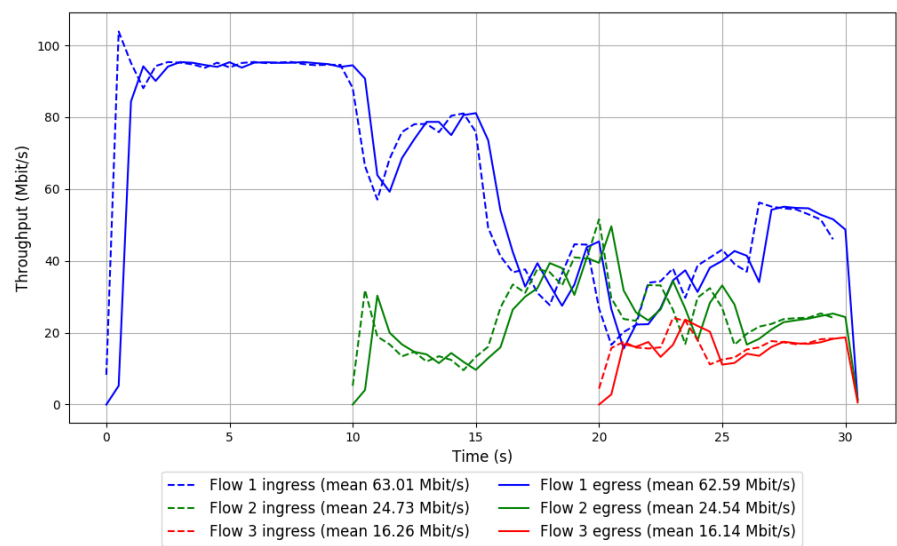
-- Flow 3:

Average throughput: 16.14 Mbit/s

95th percentile per-packet one-way delay: 48.343 ms

Loss rate: 0.73%

Run 10: Report of Copa — Data Link

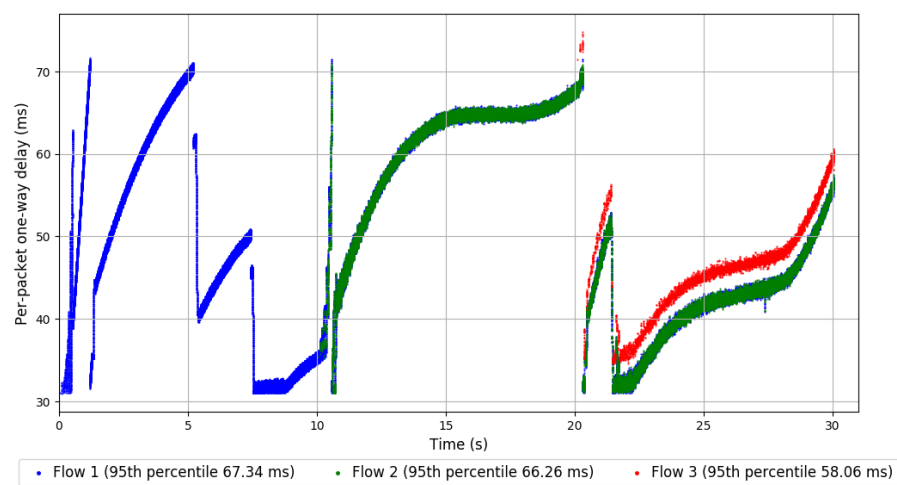
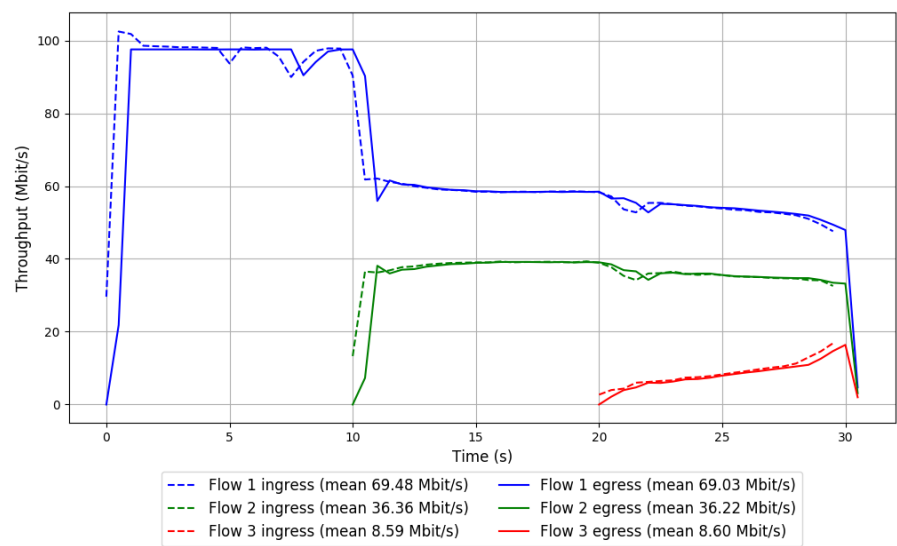


Run 1: Statistics of TCP Cubic

Start at: 2018-07-17 16:46:11
End at: 2018-07-17 16:46:41
Local clock offset: 1.033 ms
Remote clock offset: -19.318 ms

Below is generated by plot.py at 2018-07-17 20:33:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 67.021 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 69.03 Mbit/s
95th percentile per-packet one-way delay: 67.336 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 36.22 Mbit/s
95th percentile per-packet one-way delay: 66.262 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 8.60 Mbit/s
95th percentile per-packet one-way delay: 58.058 ms
Loss rate: 0.03%

Run 1: Report of TCP Cubic — Data Link

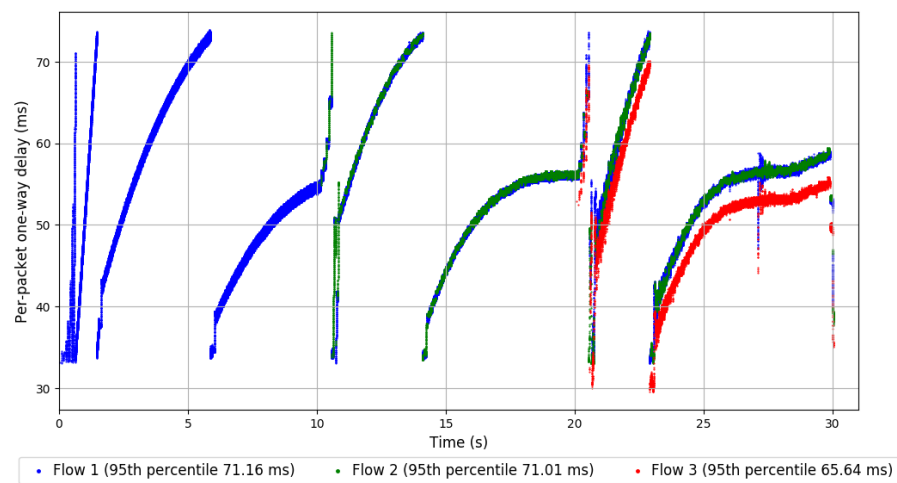
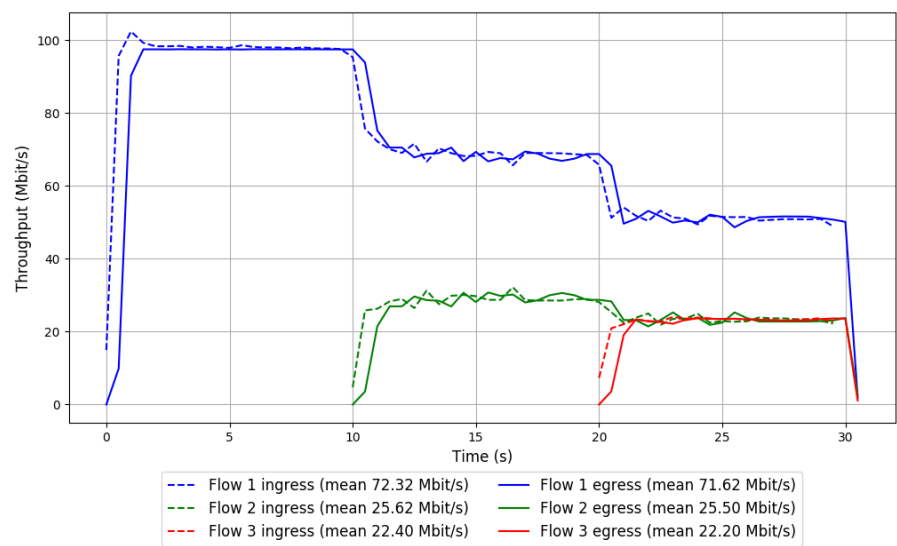


Run 2: Statistics of TCP Cubic

Start at: 2018-07-17 17:09:02
End at: 2018-07-17 17:09:32
Local clock offset: 0.658 ms
Remote clock offset: -9.369 ms

Below is generated by plot.py at 2018-07-17 20:33:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 70.923 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 71.62 Mbit/s
95th percentile per-packet one-way delay: 71.162 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 25.50 Mbit/s
95th percentile per-packet one-way delay: 71.013 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 22.20 Mbit/s
95th percentile per-packet one-way delay: 65.644 ms
Loss rate: 1.08%

Run 2: Report of TCP Cubic — Data Link

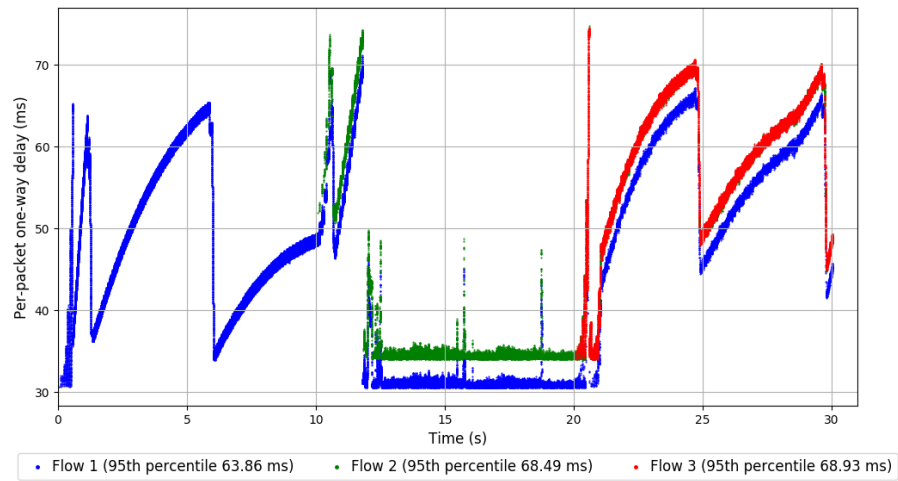
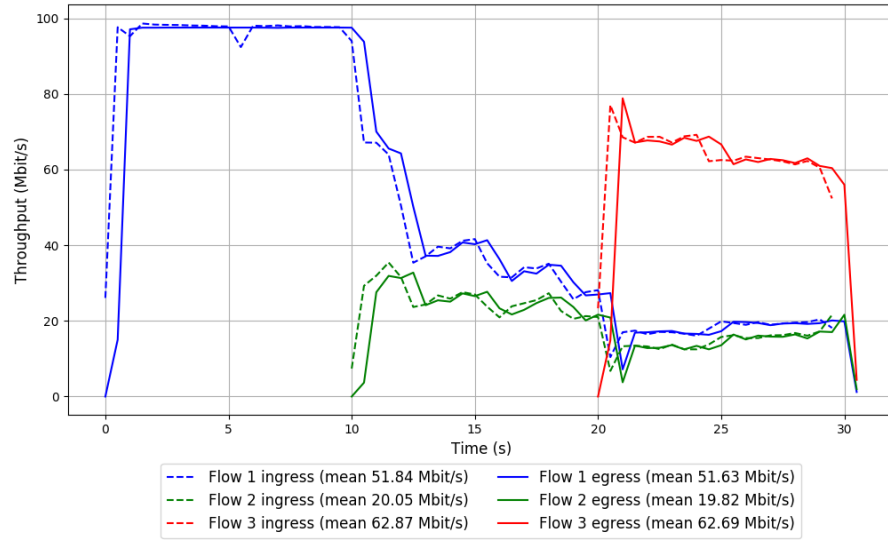


Run 3: Statistics of TCP Cubic

Start at: 2018-07-17 17:31:58
End at: 2018-07-17 17:32:28
Local clock offset: 0.769 ms
Remote clock offset: -5.352 ms

Below is generated by plot.py at 2018-07-17 20:33:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.67 Mbit/s
95th percentile per-packet one-way delay: 67.610 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 51.63 Mbit/s
95th percentile per-packet one-way delay: 63.859 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 19.82 Mbit/s
95th percentile per-packet one-way delay: 68.491 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 62.69 Mbit/s
95th percentile per-packet one-way delay: 68.932 ms
Loss rate: 0.13%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-17 17:54:54

End at: 2018-07-17 17:55:24

Local clock offset: 0.794 ms

Remote clock offset: -7.57 ms

Below is generated by plot.py at 2018-07-17 20:33:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.44 Mbit/s

95th percentile per-packet one-way delay: 51.400 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 66.75 Mbit/s

95th percentile per-packet one-way delay: 51.691 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 25.36 Mbit/s

95th percentile per-packet one-way delay: 48.219 ms

Loss rate: 0.17%

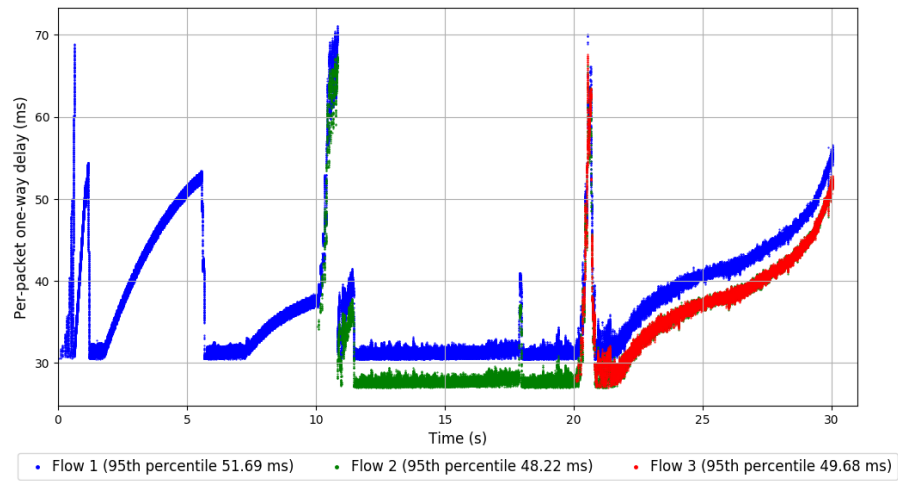
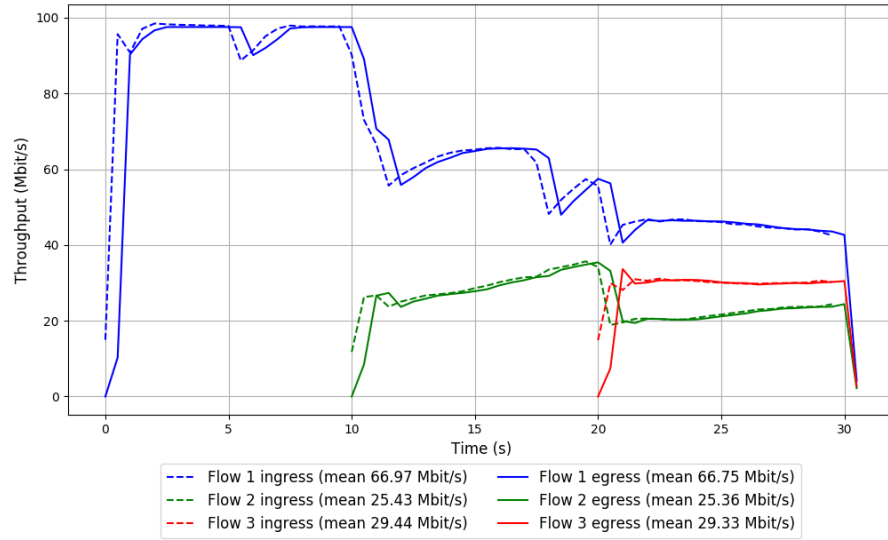
-- Flow 3:

Average throughput: 29.33 Mbit/s

95th percentile per-packet one-way delay: 49.684 ms

Loss rate: 0.15%

Run 4: Report of TCP Cubic — Data Link

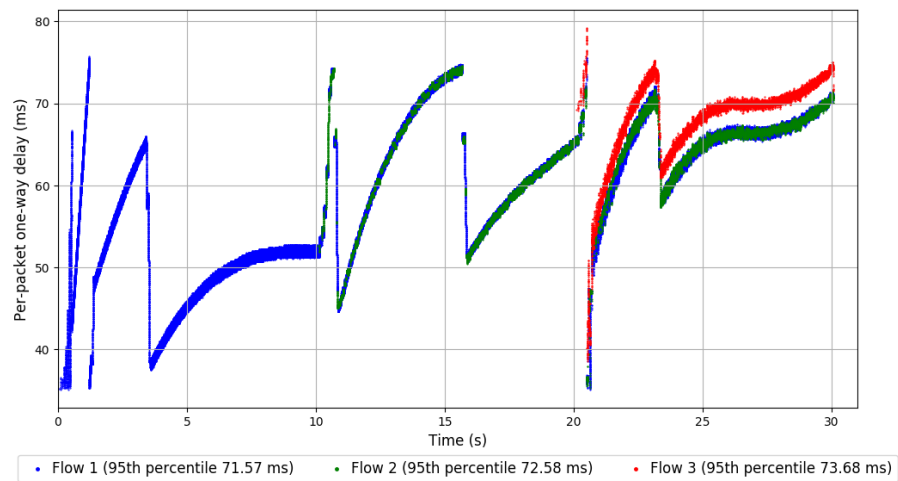
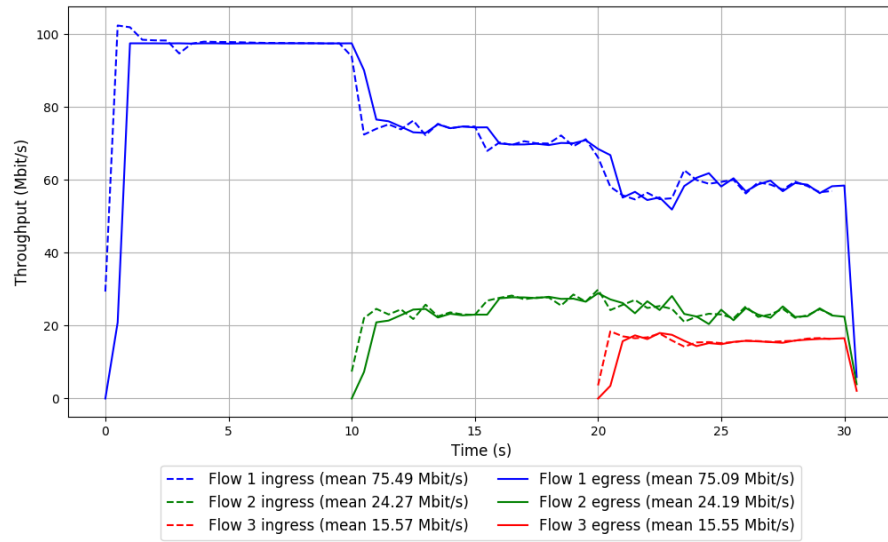


Run 5: Statistics of TCP Cubic

Start at: 2018-07-17 18:17:57
End at: 2018-07-17 18:18:27
Local clock offset: 0.928 ms
Remote clock offset: -1.162 ms

Below is generated by plot.py at 2018-07-17 20:33:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: 72.264 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 75.09 Mbit/s
95th percentile per-packet one-way delay: 71.570 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 24.19 Mbit/s
95th percentile per-packet one-way delay: 72.578 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 15.55 Mbit/s
95th percentile per-packet one-way delay: 73.678 ms
Loss rate: 0.05%

Run 5: Report of TCP Cubic — Data Link

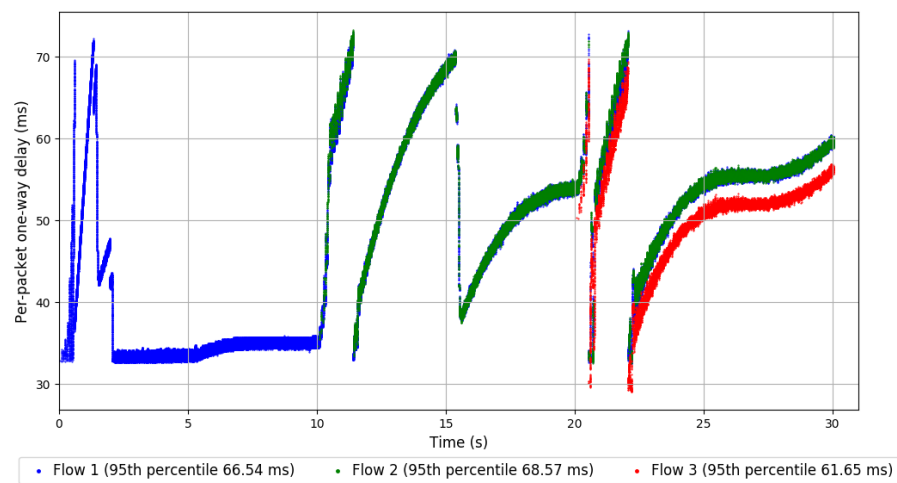
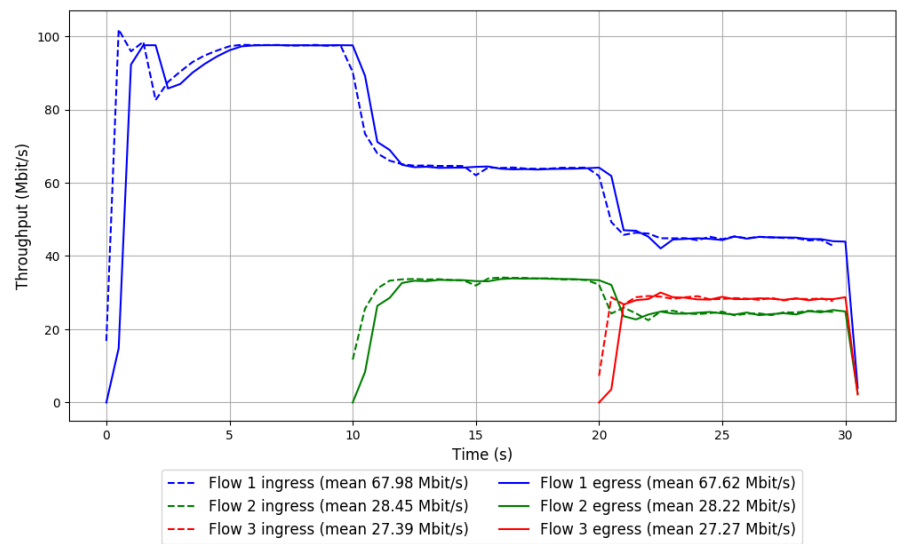


Run 6: Statistics of TCP Cubic

Start at: 2018-07-17 18:40:53
End at: 2018-07-17 18:41:23
Local clock offset: 0.193 ms
Remote clock offset: -2.295 ms

Below is generated by plot.py at 2018-07-17 20:33:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 66.885 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 67.62 Mbit/s
95th percentile per-packet one-way delay: 66.536 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 28.22 Mbit/s
95th percentile per-packet one-way delay: 68.573 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 27.27 Mbit/s
95th percentile per-packet one-way delay: 61.646 ms
Loss rate: 0.38%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-17 19:03:46

End at: 2018-07-17 19:04:16

Local clock offset: 10.195 ms

Remote clock offset: 7.034 ms

Below is generated by plot.py at 2018-07-17 20:33:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.66 Mbit/s

95th percentile per-packet one-way delay: 70.167 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 59.18 Mbit/s

95th percentile per-packet one-way delay: 70.202 ms

Loss rate: 0.86%

-- Flow 2:

Average throughput: 18.52 Mbit/s

95th percentile per-packet one-way delay: 72.804 ms

Loss rate: 0.70%

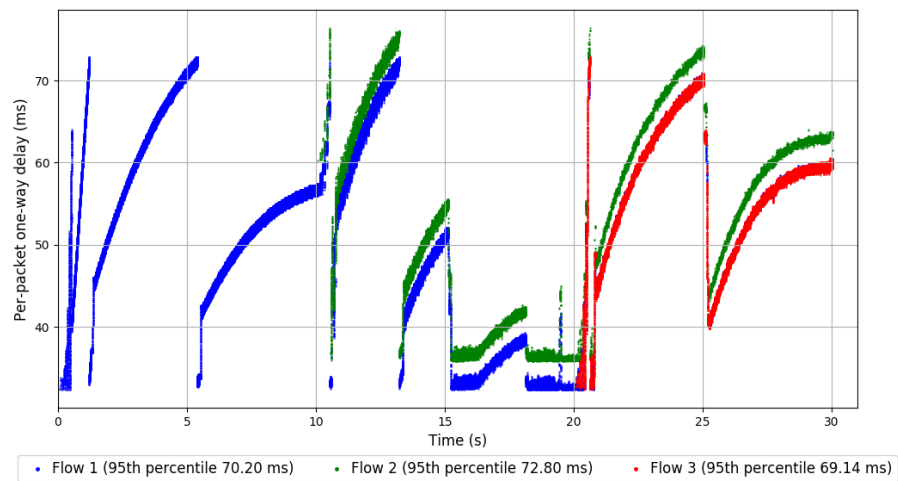
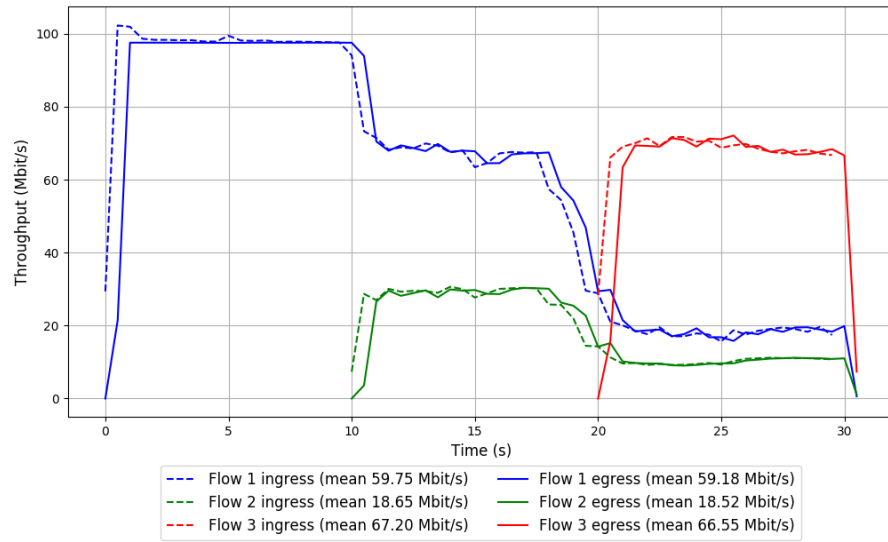
-- Flow 3:

Average throughput: 66.55 Mbit/s

95th percentile per-packet one-way delay: 69.140 ms

Loss rate: 0.69%

Run 7: Report of TCP Cubic — Data Link

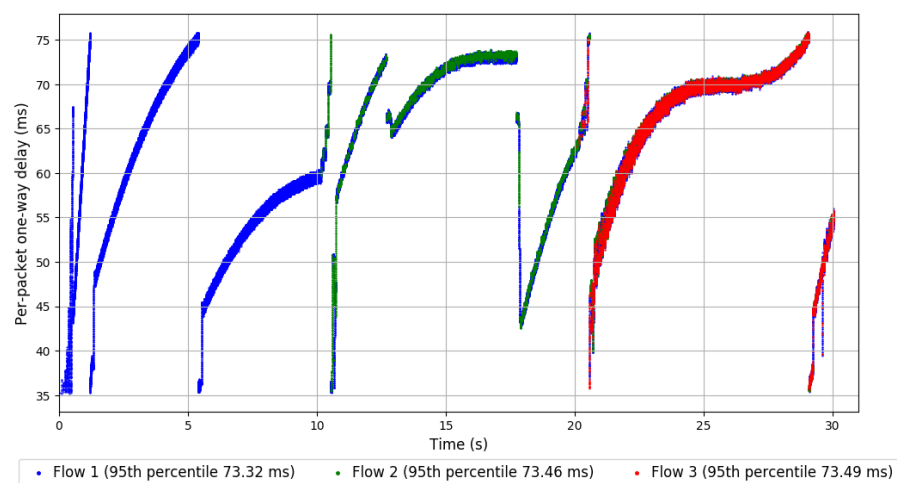
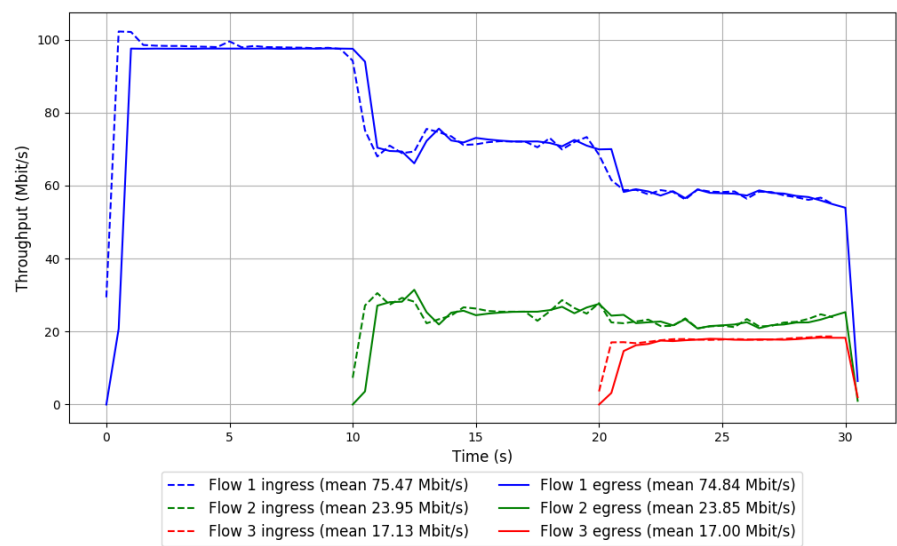


Run 8: Statistics of TCP Cubic

Start at: 2018-07-17 19:26:42
End at: 2018-07-17 19:27:12
Local clock offset: 11.191 ms
Remote clock offset: -2.051 ms

Below is generated by plot.py at 2018-07-17 20:33:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 73.334 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 74.84 Mbit/s
95th percentile per-packet one-way delay: 73.319 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 23.85 Mbit/s
95th percentile per-packet one-way delay: 73.458 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 17.00 Mbit/s
95th percentile per-packet one-way delay: 73.494 ms
Loss rate: 0.85%

Run 8: Report of TCP Cubic — Data Link

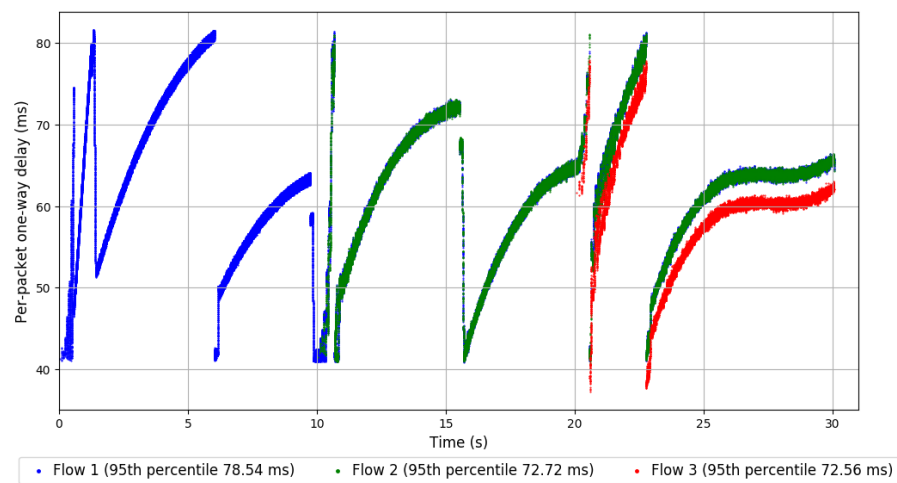
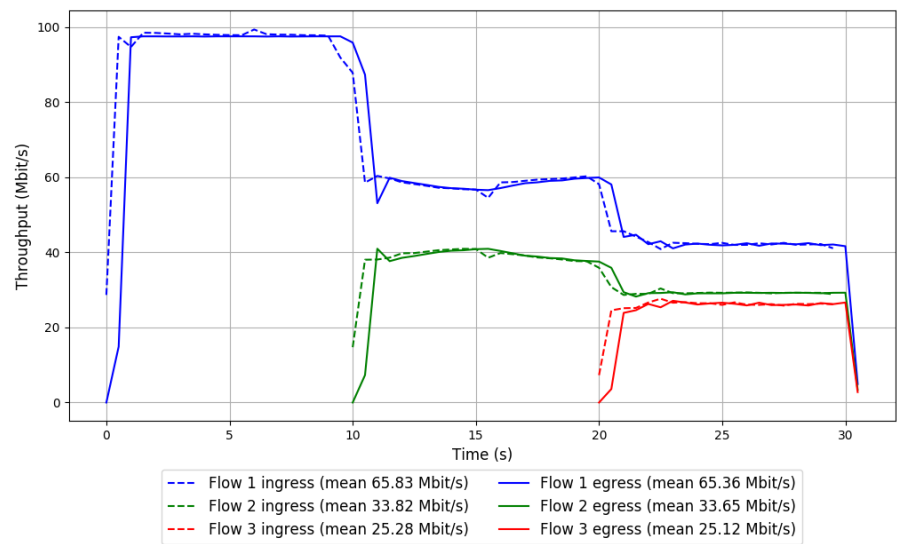


Run 9: Statistics of TCP Cubic

Start at: 2018-07-17 19:49:33
End at: 2018-07-17 19:50:03
Local clock offset: 8.823 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-07-17 20:33:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.14 Mbit/s
95th percentile per-packet one-way delay: 77.562 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 65.36 Mbit/s
95th percentile per-packet one-way delay: 78.536 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 33.65 Mbit/s
95th percentile per-packet one-way delay: 72.718 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 25.12 Mbit/s
95th percentile per-packet one-way delay: 72.555 ms
Loss rate: 0.63%

Run 9: Report of TCP Cubic — Data Link

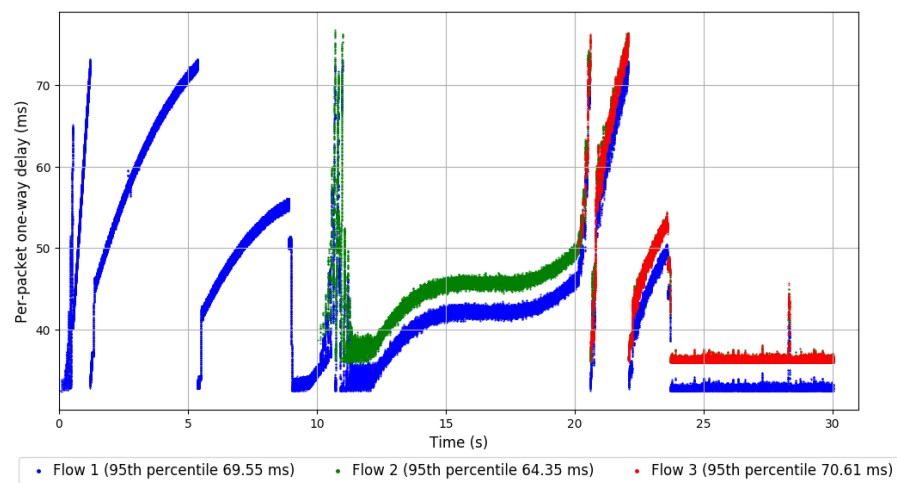
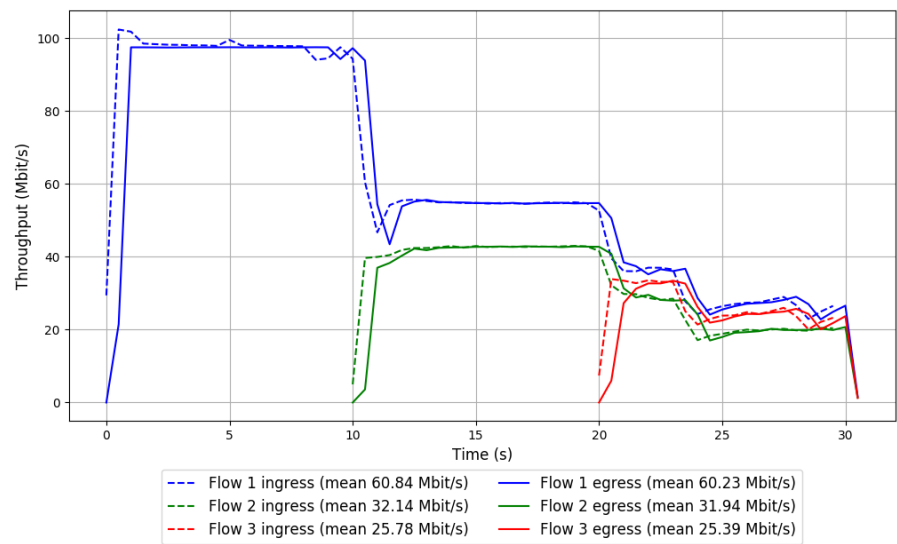


Run 10: Statistics of TCP Cubic

Start at: 2018-07-17 20:12:28
End at: 2018-07-17 20:12:58
Local clock offset: -0.622 ms
Remote clock offset: -4.654 ms

Below is generated by plot.py at 2018-07-17 20:34:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.93 Mbit/s
95th percentile per-packet one-way delay: 69.275 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 60.23 Mbit/s
95th percentile per-packet one-way delay: 69.550 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: 64.351 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 25.39 Mbit/s
95th percentile per-packet one-way delay: 70.609 ms
Loss rate: 1.62%

Run 10: Report of TCP Cubic — Data Link

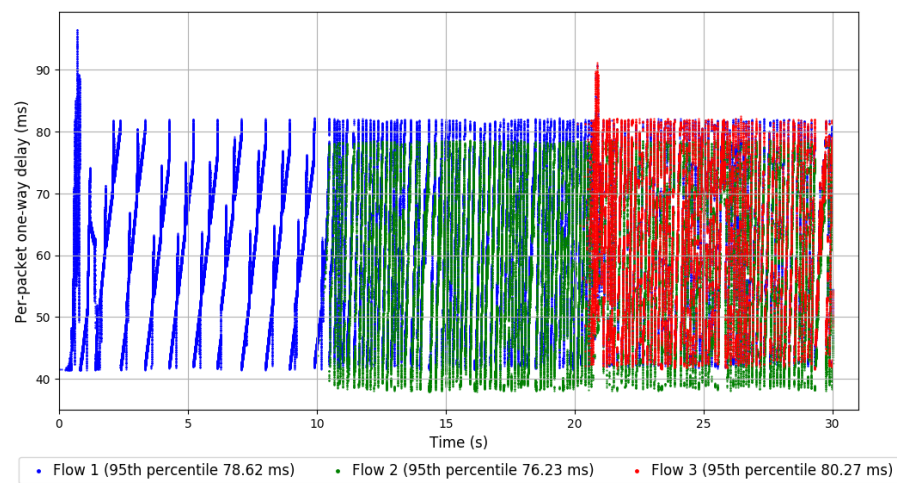
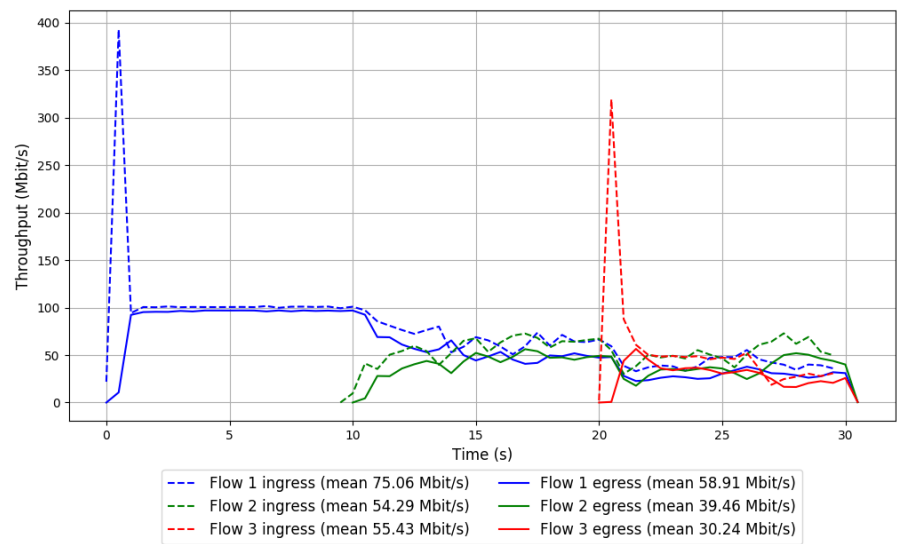


Run 1: Statistics of FillP

Start at: 2018-07-17 16:38:14
End at: 2018-07-17 16:38:44
Local clock offset: 1.005 ms
Remote clock offset: -11.237 ms

Below is generated by plot.py at 2018-07-17 20:34:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.19 Mbit/s
95th percentile per-packet one-way delay: 78.112 ms
Loss rate: 26.53%
-- Flow 1:
Average throughput: 58.91 Mbit/s
95th percentile per-packet one-way delay: 78.619 ms
Loss rate: 21.49%
-- Flow 2:
Average throughput: 39.46 Mbit/s
95th percentile per-packet one-way delay: 76.227 ms
Loss rate: 27.29%
-- Flow 3:
Average throughput: 30.24 Mbit/s
95th percentile per-packet one-way delay: 80.271 ms
Loss rate: 45.59%

Run 1: Report of FillP — Data Link

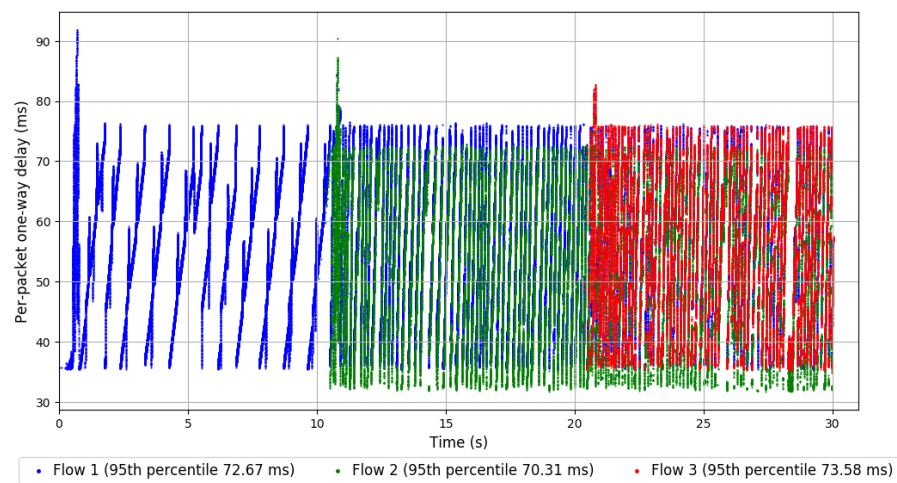
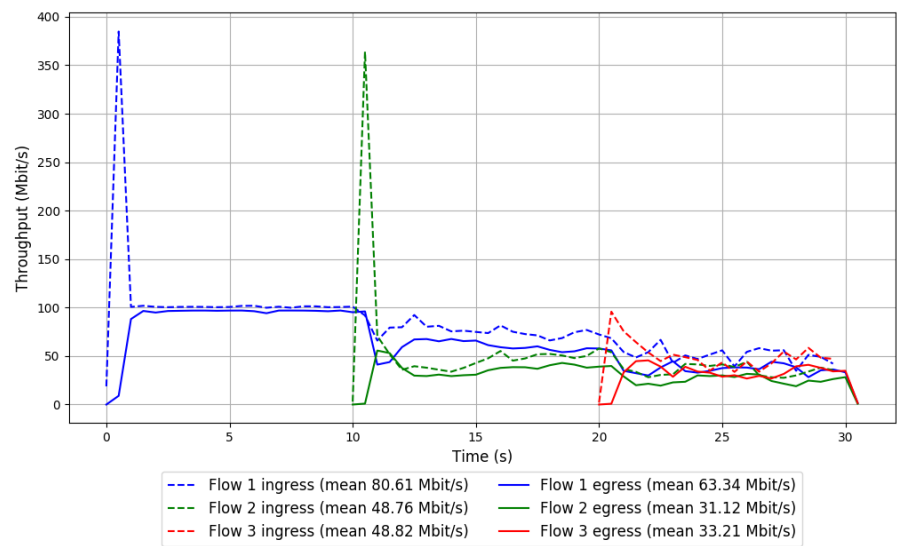


Run 2: Statistics of FillP

Start at: 2018-07-17 17:01:04
End at: 2018-07-17 17:01:34
Local clock offset: 0.596 ms
Remote clock offset: -10.287 ms

Below is generated by plot.py at 2018-07-17 20:35:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 72.271 ms
Loss rate: 26.41%
-- Flow 1:
Average throughput: 63.34 Mbit/s
95th percentile per-packet one-way delay: 72.672 ms
Loss rate: 21.37%
-- Flow 2:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 70.307 ms
Loss rate: 36.17%
-- Flow 3:
Average throughput: 33.21 Mbit/s
95th percentile per-packet one-way delay: 73.575 ms
Loss rate: 31.93%

Run 2: Report of FillP — Data Link

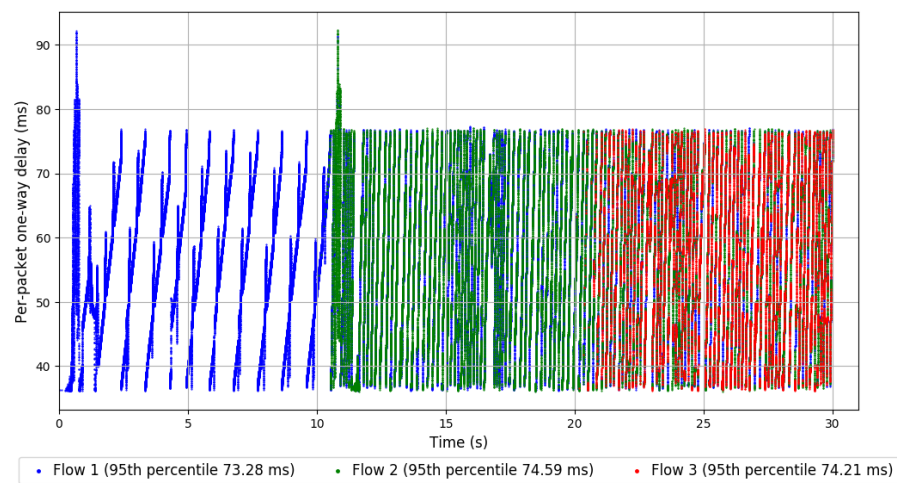
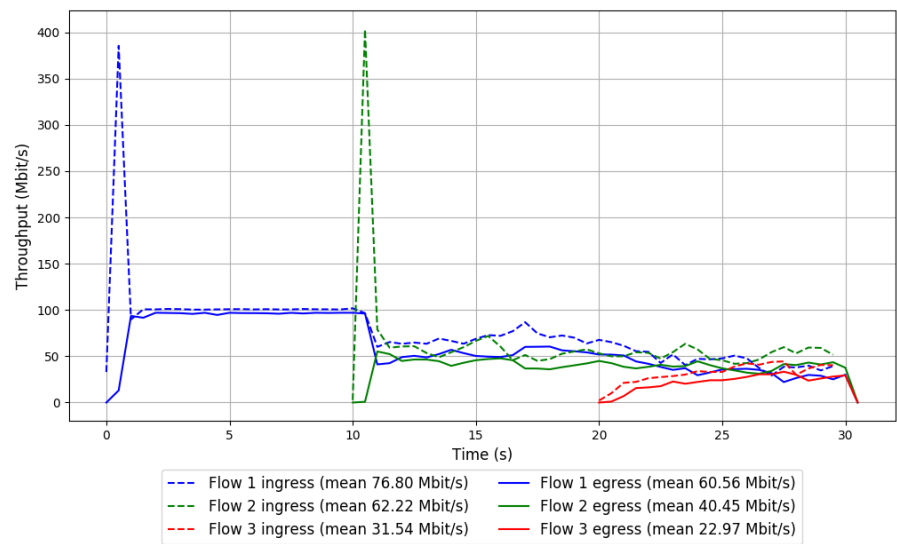


Run 3: Statistics of FillP

Start at: 2018-07-17 17:23:56
End at: 2018-07-17 17:24:26
Local clock offset: 0.593 ms
Remote clock offset: -3.485 ms

Below is generated by plot.py at 2018-07-17 20:35:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.07 Mbit/s
95th percentile per-packet one-way delay: 73.812 ms
Loss rate: 26.09%
-- Flow 1:
Average throughput: 60.56 Mbit/s
95th percentile per-packet one-way delay: 73.276 ms
Loss rate: 21.12%
-- Flow 2:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 74.588 ms
Loss rate: 35.01%
-- Flow 3:
Average throughput: 22.97 Mbit/s
95th percentile per-packet one-way delay: 74.207 ms
Loss rate: 27.27%

Run 3: Report of FillP — Data Link

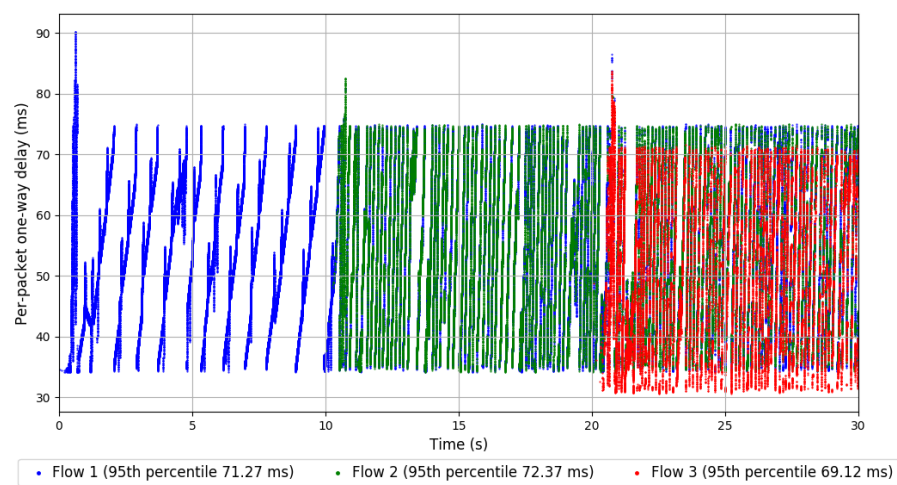
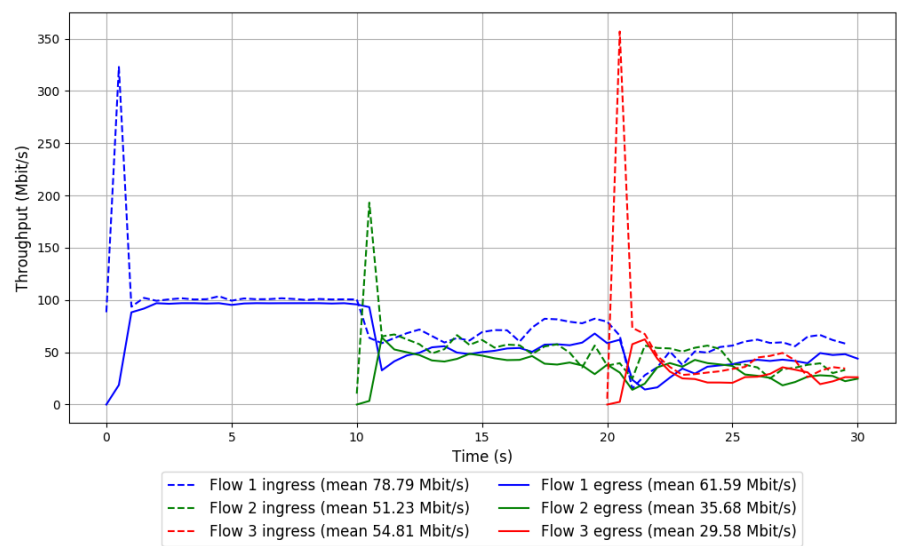


Run 4: Statistics of FillP

Start at: 2018-07-17 17:46:53
End at: 2018-07-17 17:47:23
Local clock offset: 0.865 ms
Remote clock offset: -4.302 ms

Below is generated by plot.py at 2018-07-17 20:35:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 71.390 ms
Loss rate: 27.39%
-- Flow 1:
Average throughput: 61.59 Mbit/s
95th percentile per-packet one-way delay: 71.271 ms
Loss rate: 21.80%
-- Flow 2:
Average throughput: 35.68 Mbit/s
95th percentile per-packet one-way delay: 72.366 ms
Loss rate: 30.33%
-- Flow 3:
Average throughput: 29.58 Mbit/s
95th percentile per-packet one-way delay: 69.116 ms
Loss rate: 46.09%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-17 18:09:52

End at: 2018-07-17 18:10:22

Local clock offset: 0.924 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-07-17 20:35:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.32 Mbit/s

95th percentile per-packet one-way delay: 76.450 ms

Loss rate: 26.20%

-- Flow 1:

Average throughput: 61.69 Mbit/s

95th percentile per-packet one-way delay: 76.267 ms

Loss rate: 21.28%

-- Flow 2:

Average throughput: 36.49 Mbit/s

95th percentile per-packet one-way delay: 77.441 ms

Loss rate: 28.16%

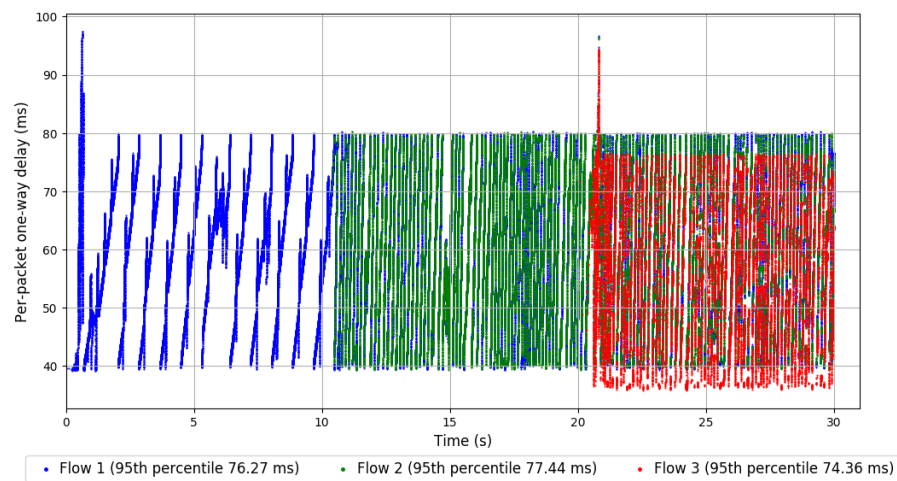
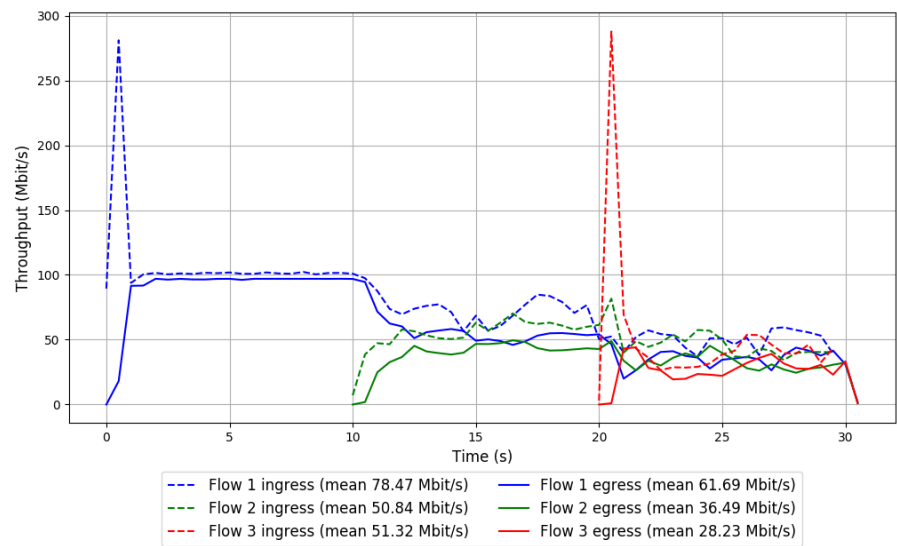
-- Flow 3:

Average throughput: 28.23 Mbit/s

95th percentile per-packet one-way delay: 74.355 ms

Loss rate: 44.99%

Run 5: Report of FillP — Data Link

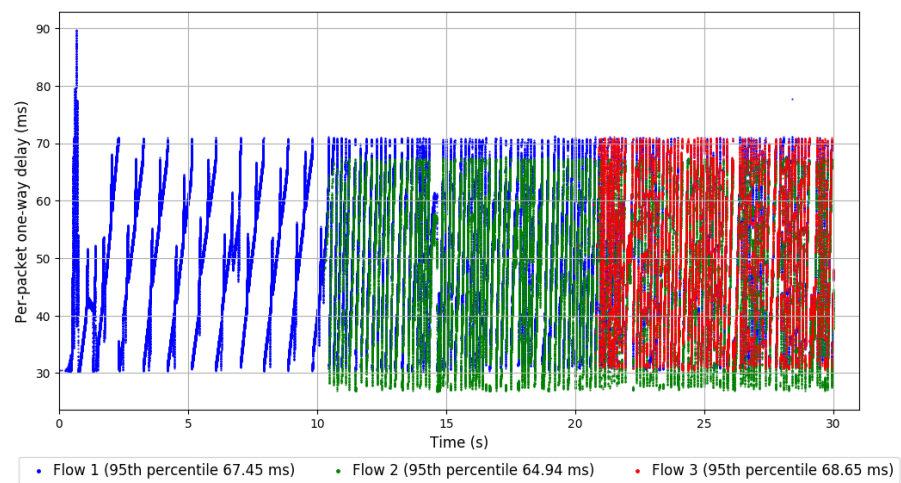
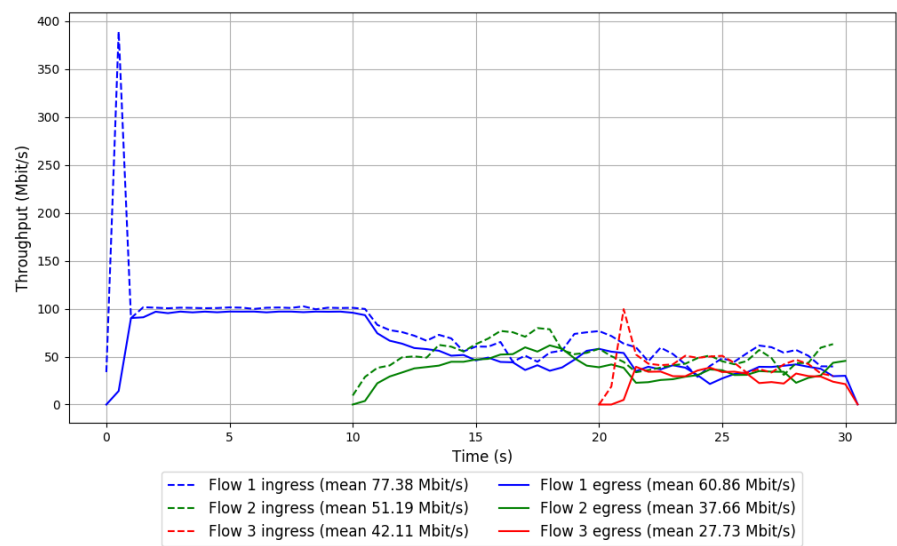


Run 6: Statistics of FillP

Start at: 2018-07-17 18:32:54
End at: 2018-07-17 18:33:24
Local clock offset: 0.267 ms
Remote clock offset: -9.273 ms

Below is generated by plot.py at 2018-07-17 20:35:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.12 Mbit/s
95th percentile per-packet one-way delay: 66.863 ms
Loss rate: 24.12%
-- Flow 1:
Average throughput: 60.86 Mbit/s
95th percentile per-packet one-way delay: 67.452 ms
Loss rate: 21.30%
-- Flow 2:
Average throughput: 37.66 Mbit/s
95th percentile per-packet one-way delay: 64.944 ms
Loss rate: 26.41%
-- Flow 3:
Average throughput: 27.73 Mbit/s
95th percentile per-packet one-way delay: 68.650 ms
Loss rate: 34.18%

Run 6: Report of FillP — Data Link

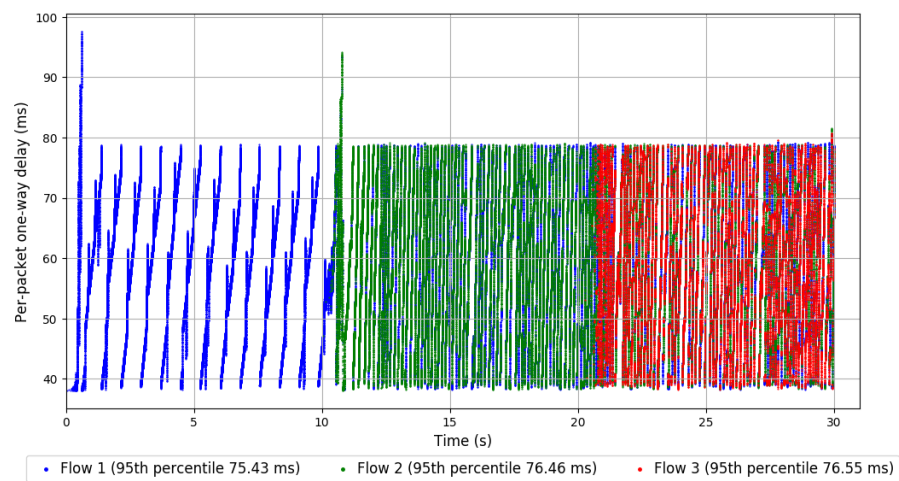
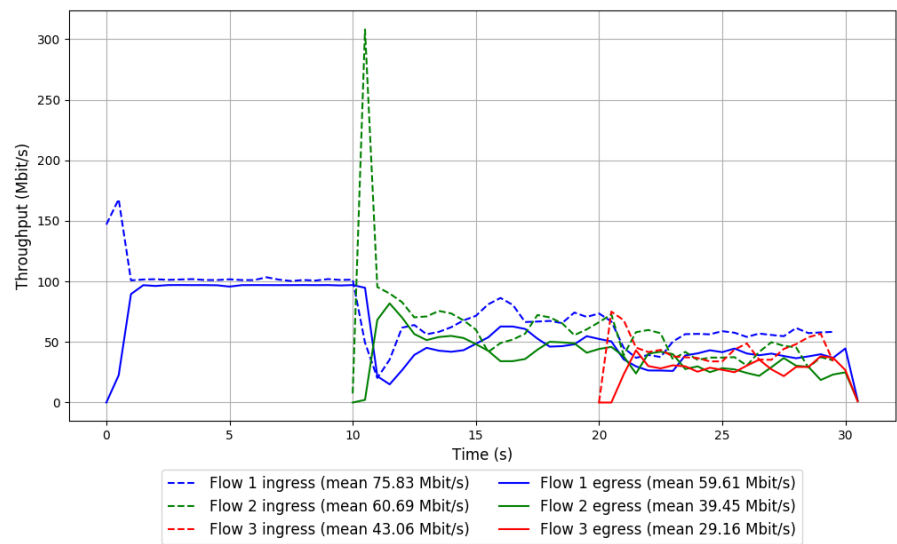


Run 7: Statistics of FillP

Start at: 2018-07-17 18:55:48
End at: 2018-07-17 18:56:18
Local clock offset: 6.898 ms
Remote clock offset: 11.251 ms

Below is generated by plot.py at 2018-07-17 20:35:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.35 Mbit/s
95th percentile per-packet one-way delay: 75.913 ms
Loss rate: 26.83%
-- Flow 1:
Average throughput: 59.61 Mbit/s
95th percentile per-packet one-way delay: 75.434 ms
Loss rate: 21.28%
-- Flow 2:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: 76.461 ms
Loss rate: 34.91%
-- Flow 3:
Average throughput: 29.16 Mbit/s
95th percentile per-packet one-way delay: 76.548 ms
Loss rate: 33.50%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-17 19:18:44

End at: 2018-07-17 19:19:14

Local clock offset: 12.588 ms

Remote clock offset: 1.087 ms

Below is generated by plot.py at 2018-07-17 20:35:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.15 Mbit/s

95th percentile per-packet one-way delay: 73.400 ms

Loss rate: 28.16%

-- Flow 1:

Average throughput: 63.30 Mbit/s

95th percentile per-packet one-way delay: 72.570 ms

Loss rate: 21.17%

-- Flow 2:

Average throughput: 32.20 Mbit/s

95th percentile per-packet one-way delay: 73.526 ms

Loss rate: 36.14%

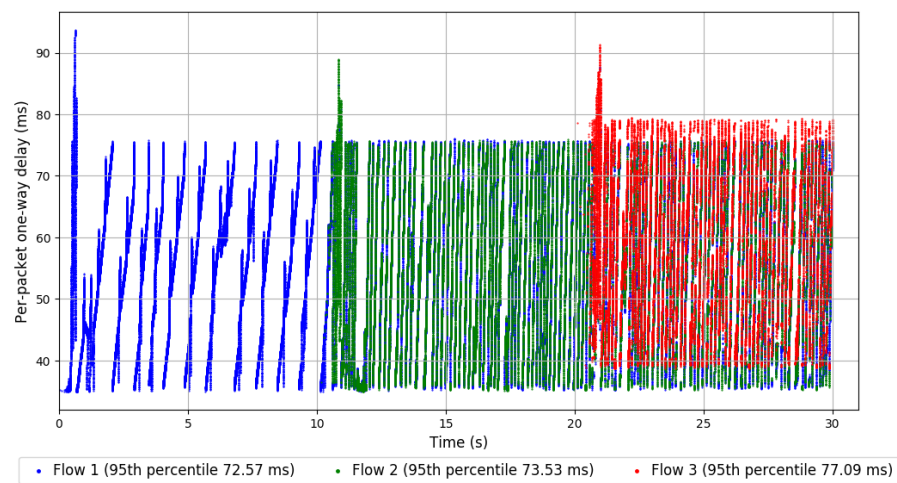
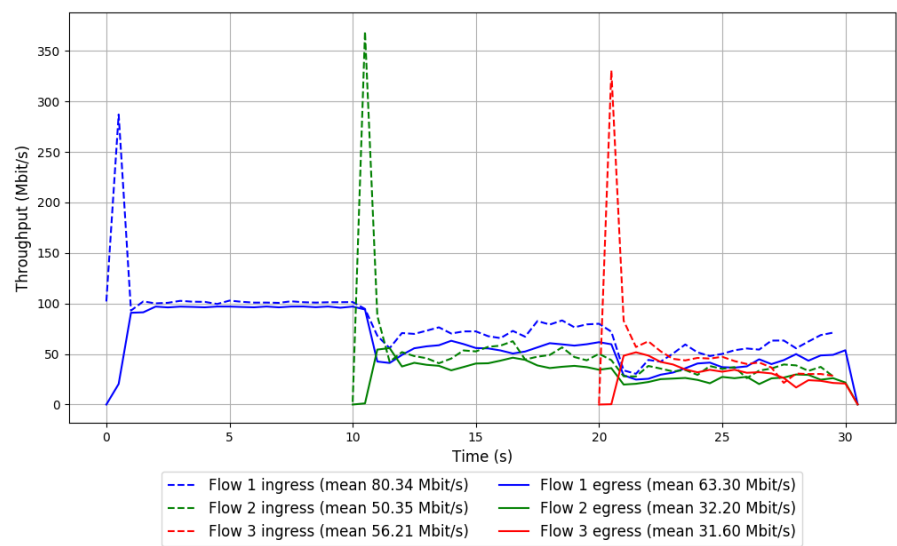
-- Flow 3:

Average throughput: 31.60 Mbit/s

95th percentile per-packet one-way delay: 77.092 ms

Loss rate: 43.96%

Run 8: Report of FillP — Data Link

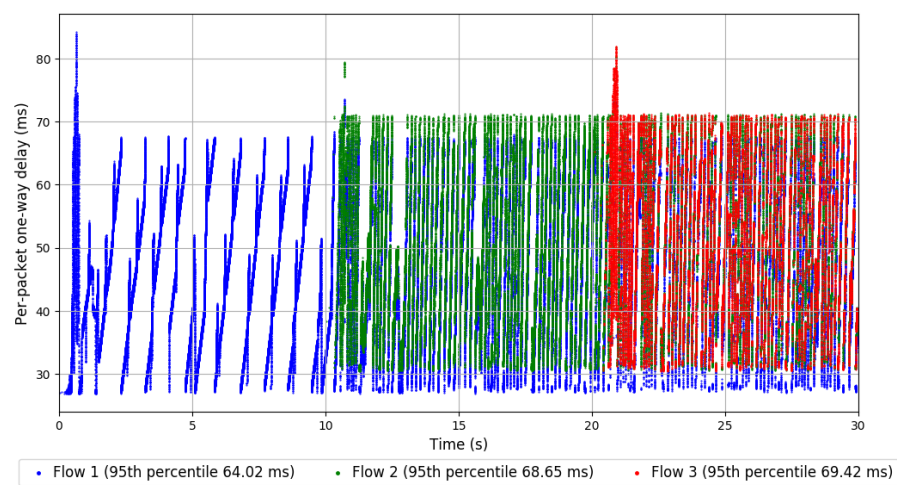
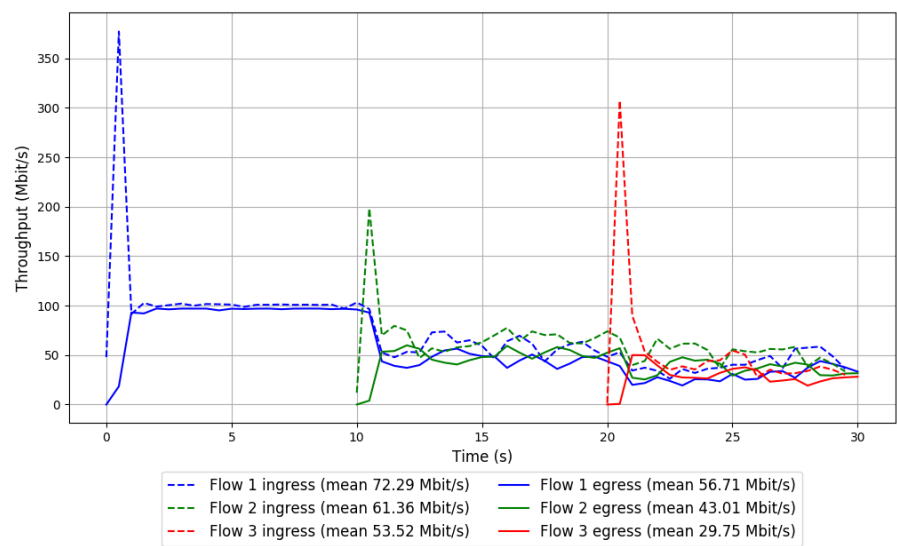


Run 9: Statistics of FillP

Start at: 2018-07-17 19:41:33
End at: 2018-07-17 19:42:03
Local clock offset: 11.088 ms
Remote clock offset: -12.54 ms

Below is generated by plot.py at 2018-07-17 20:36:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.14 Mbit/s
95th percentile per-packet one-way delay: 66.471 ms
Loss rate: 27.27%
-- Flow 1:
Average throughput: 56.71 Mbit/s
95th percentile per-packet one-way delay: 64.021 ms
Loss rate: 21.53%
-- Flow 2:
Average throughput: 43.01 Mbit/s
95th percentile per-packet one-way delay: 68.651 ms
Loss rate: 29.92%
-- Flow 3:
Average throughput: 29.75 Mbit/s
95th percentile per-packet one-way delay: 69.419 ms
Loss rate: 44.57%

Run 9: Report of FillP — Data Link

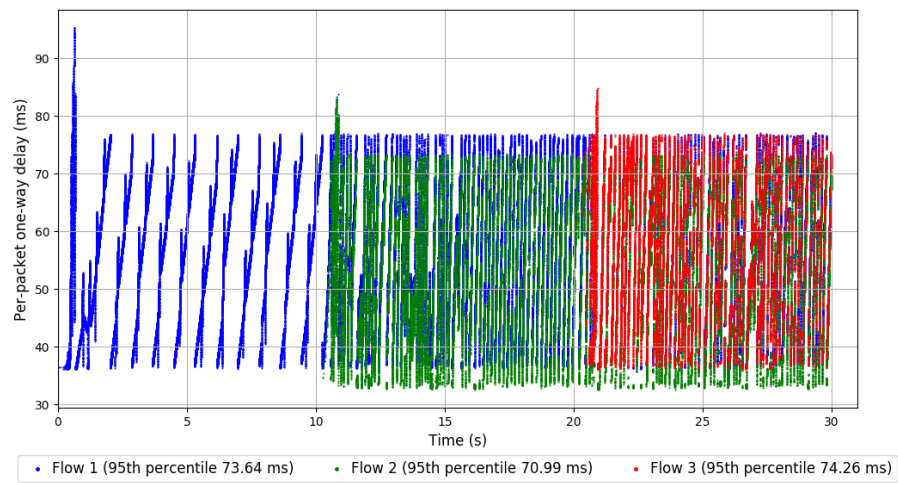
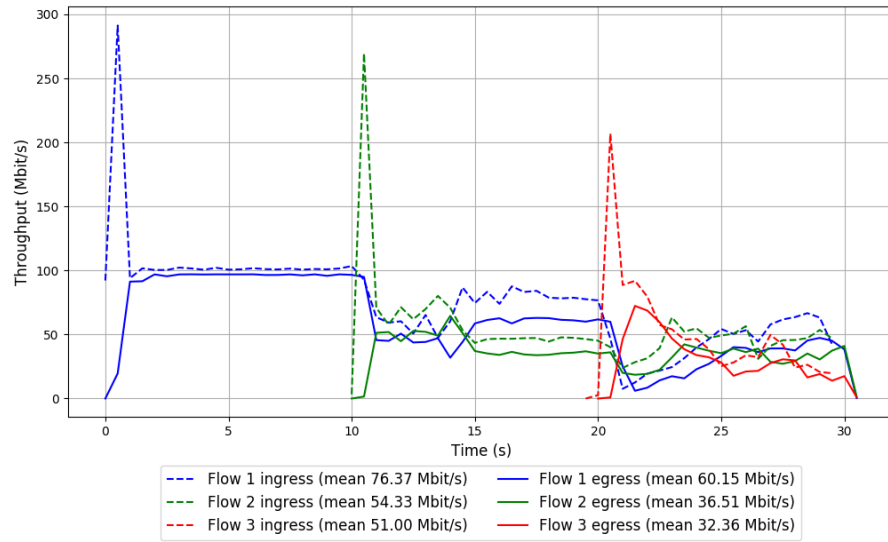


Run 10: Statistics of FillP

Start at: 2018-07-17 20:04:28
End at: 2018-07-17 20:04:58
Local clock offset: 0.843 ms
Remote clock offset: -4.427 ms

Below is generated by plot.py at 2018-07-17 20:36:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.18 Mbit/s
95th percentile per-packet one-way delay: 73.007 ms
Loss rate: 26.41%
-- Flow 1:
Average throughput: 60.15 Mbit/s
95th percentile per-packet one-way delay: 73.638 ms
Loss rate: 21.14%
-- Flow 2:
Average throughput: 36.51 Mbit/s
95th percentile per-packet one-way delay: 70.986 ms
Loss rate: 32.79%
-- Flow 3:
Average throughput: 32.36 Mbit/s
95th percentile per-packet one-way delay: 74.260 ms
Loss rate: 36.51%

Run 10: Report of FillP — Data Link

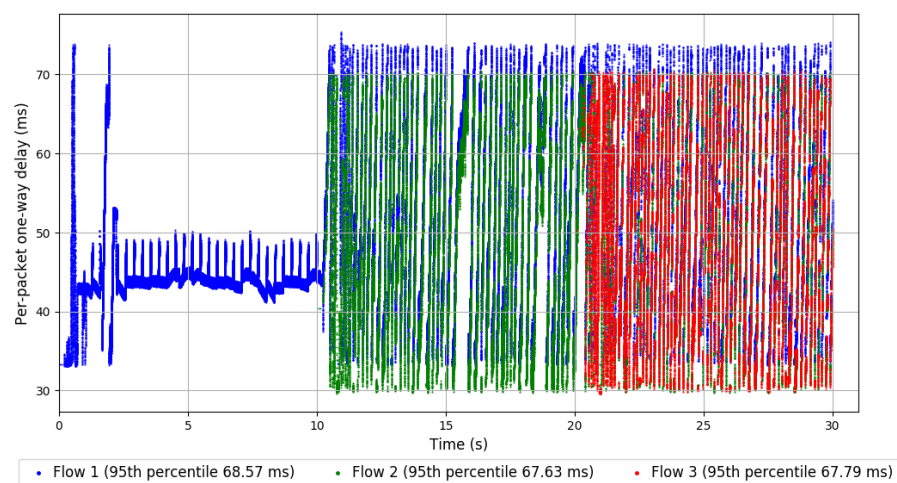
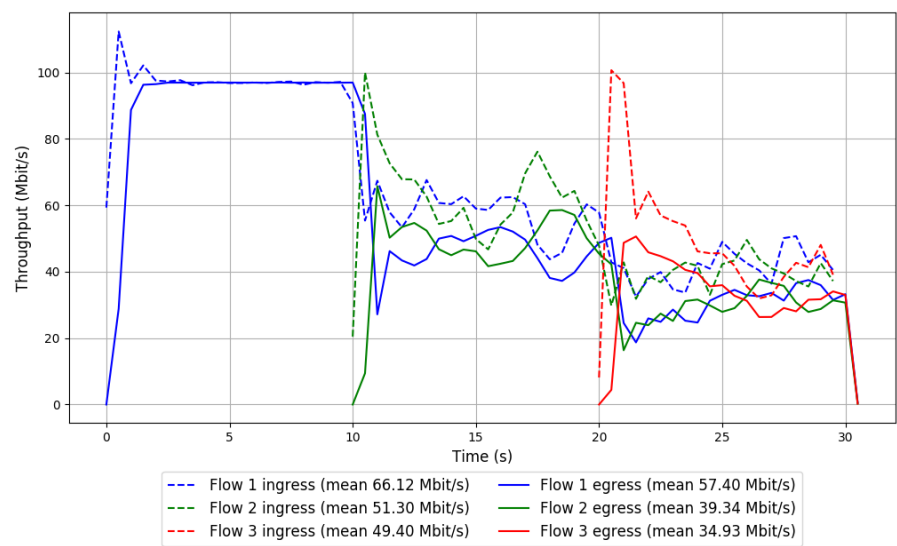


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-17 16:36:53
End at: 2018-07-17 16:37:23
Local clock offset: 1.022 ms
Remote clock offset: -19.311 ms

Below is generated by plot.py at 2018-07-17 20:36:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 68.091 ms
Loss rate: 18.37%
-- Flow 1:
Average throughput: 57.40 Mbit/s
95th percentile per-packet one-way delay: 68.574 ms
Loss rate: 13.12%
-- Flow 2:
Average throughput: 39.34 Mbit/s
95th percentile per-packet one-way delay: 67.627 ms
Loss rate: 23.29%
-- Flow 3:
Average throughput: 34.93 Mbit/s
95th percentile per-packet one-way delay: 67.792 ms
Loss rate: 29.29%

Run 1: Report of FillP-Sheep — Data Link

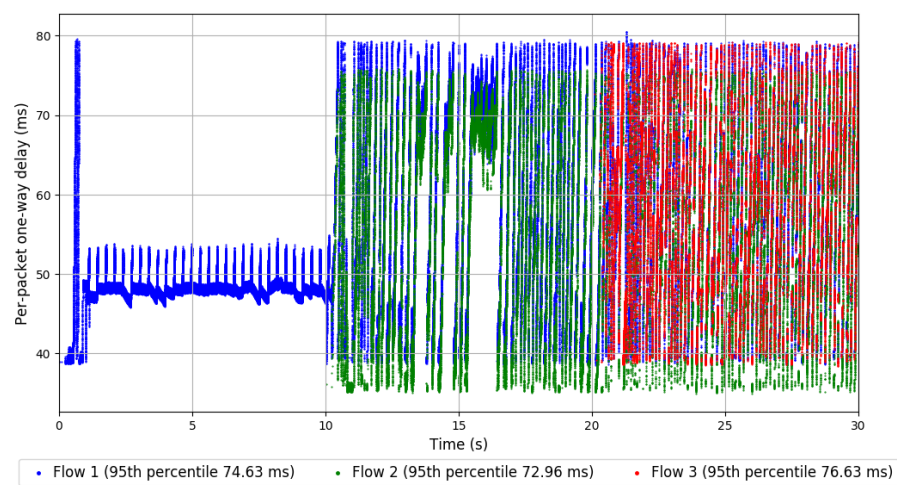
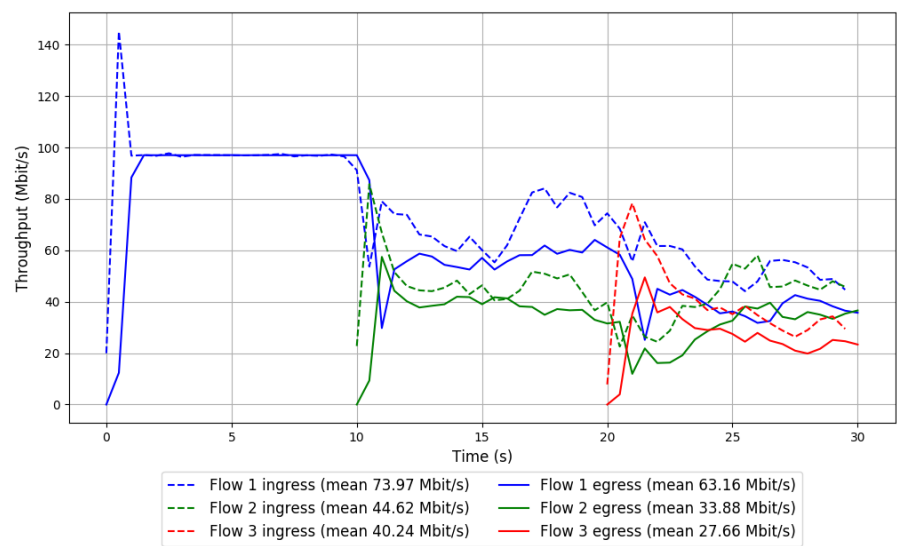


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-17 16:59:43
End at: 2018-07-17 17:00:13
Local clock offset: 0.701 ms
Remote clock offset: -7.818 ms

Below is generated by plot.py at 2018-07-17 20:36:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.86 Mbit/s
95th percentile per-packet one-way delay: 74.375 ms
Loss rate: 18.93%
-- Flow 1:
Average throughput: 63.16 Mbit/s
95th percentile per-packet one-way delay: 74.626 ms
Loss rate: 14.62%
-- Flow 2:
Average throughput: 33.88 Mbit/s
95th percentile per-packet one-way delay: 72.960 ms
Loss rate: 24.04%
-- Flow 3:
Average throughput: 27.66 Mbit/s
95th percentile per-packet one-way delay: 76.629 ms
Loss rate: 31.49%

Run 2: Report of FillP-Sheep — Data Link

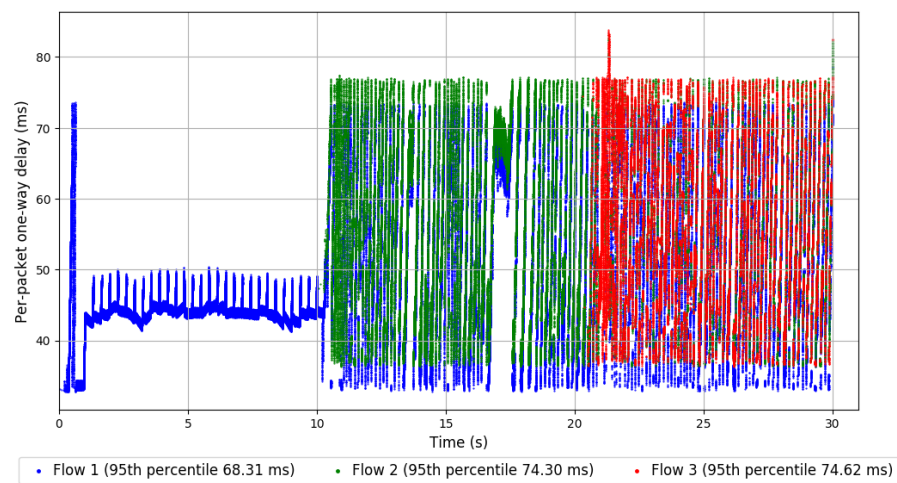
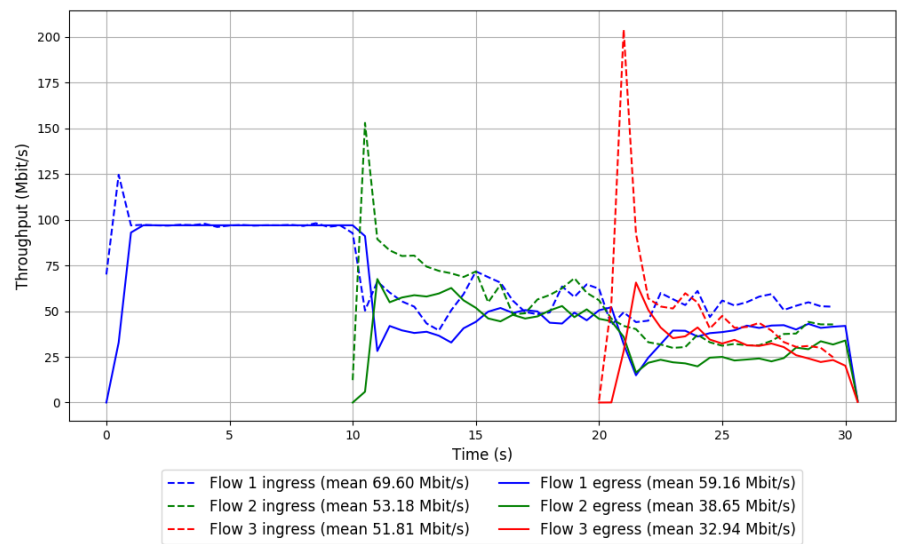


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-17 17:22:35
End at: 2018-07-17 17:23:05
Local clock offset: 0.676 ms
Remote clock offset: -3.413 ms

Below is generated by plot.py at 2018-07-17 20:36:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 71.728 ms
Loss rate: 21.73%
-- Flow 1:
Average throughput: 59.16 Mbit/s
95th percentile per-packet one-way delay: 68.305 ms
Loss rate: 14.93%
-- Flow 2:
Average throughput: 38.65 Mbit/s
95th percentile per-packet one-way delay: 74.295 ms
Loss rate: 27.29%
-- Flow 3:
Average throughput: 32.94 Mbit/s
95th percentile per-packet one-way delay: 74.624 ms
Loss rate: 37.84%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-17 17:45:33

End at: 2018-07-17 17:46:03

Local clock offset: 0.769 ms

Remote clock offset: -2.37 ms

Below is generated by plot.py at 2018-07-17 20:36:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.33 Mbit/s

95th percentile per-packet one-way delay: 71.666 ms

Loss rate: 20.85%

-- Flow 1:

Average throughput: 61.06 Mbit/s

95th percentile per-packet one-way delay: 68.316 ms

Loss rate: 15.16%

-- Flow 2:

Average throughput: 35.19 Mbit/s

95th percentile per-packet one-way delay: 74.210 ms

Loss rate: 28.99%

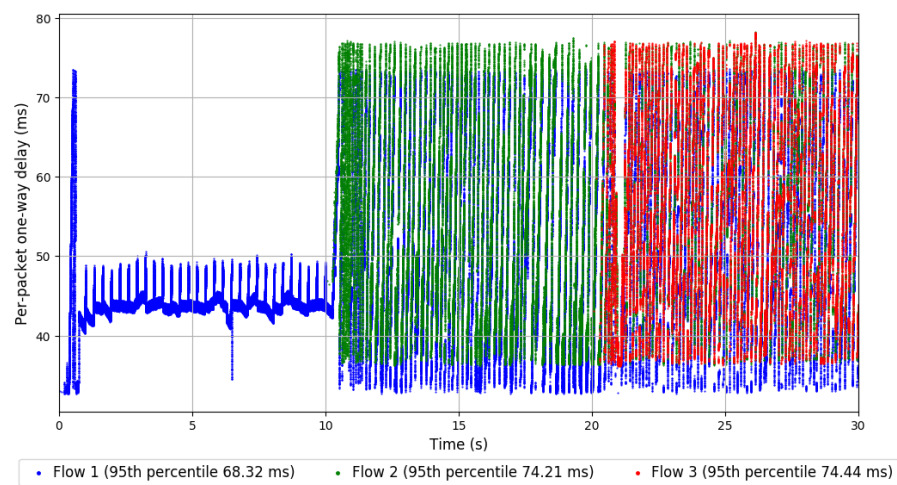
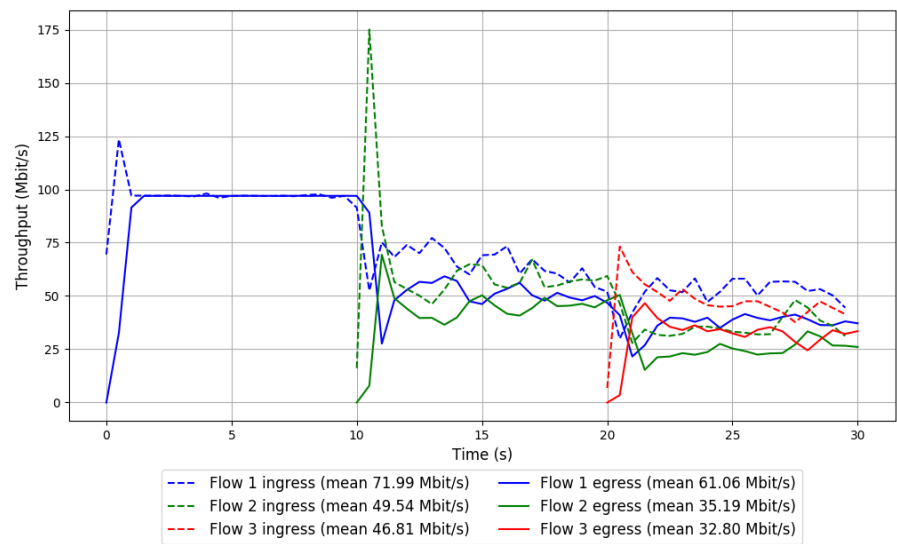
-- Flow 3:

Average throughput: 32.80 Mbit/s

95th percentile per-packet one-way delay: 74.439 ms

Loss rate: 29.93%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-17 18:08:31

End at: 2018-07-17 18:09:01

Local clock offset: 0.845 ms

Remote clock offset: 1.856 ms

Below is generated by plot.py at 2018-07-17 20:36:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.20 Mbit/s

95th percentile per-packet one-way delay: 76.805 ms

Loss rate: 20.20%

-- Flow 1:

Average throughput: 58.65 Mbit/s

95th percentile per-packet one-way delay: 76.925 ms

Loss rate: 13.77%

-- Flow 2:

Average throughput: 36.84 Mbit/s

95th percentile per-packet one-way delay: 75.435 ms

Loss rate: 28.20%

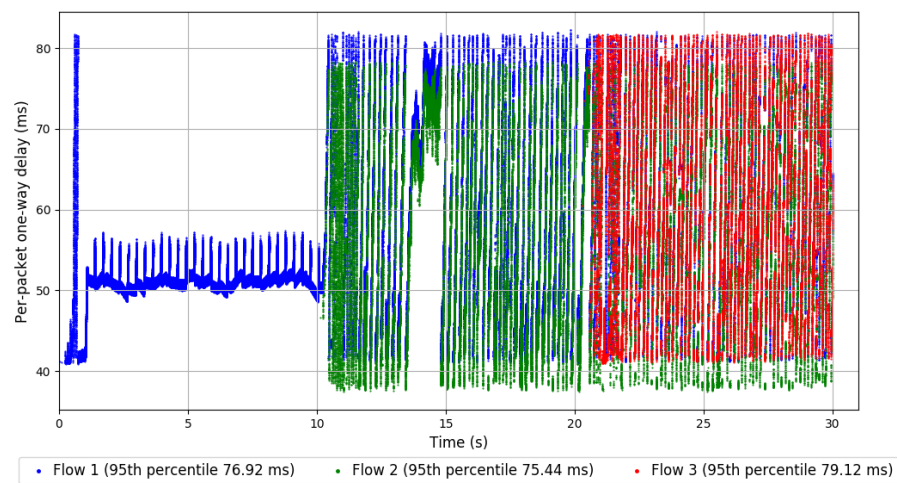
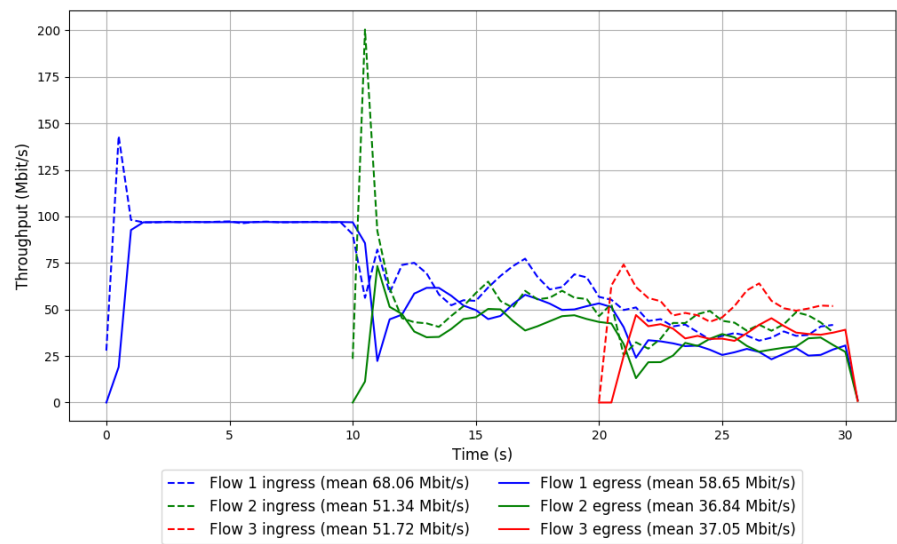
-- Flow 3:

Average throughput: 37.05 Mbit/s

95th percentile per-packet one-way delay: 79.124 ms

Loss rate: 29.80%

Run 5: Report of FillP-Sheep — Data Link

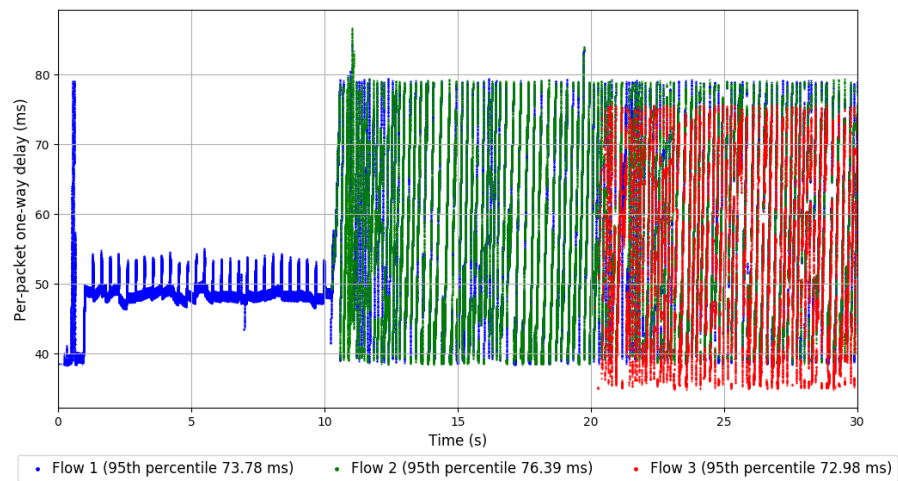
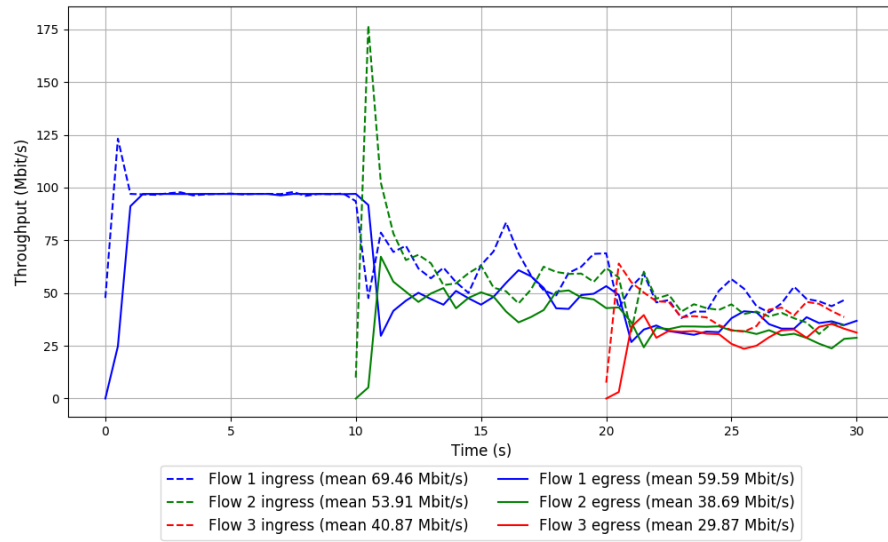


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-17 18:31:33
End at: 2018-07-17 18:32:03
Local clock offset: 0.271 ms
Remote clock offset: -1.178 ms

Below is generated by plot.py at 2018-07-17 20:36:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.25 Mbit/s
95th percentile per-packet one-way delay: 74.591 ms
Loss rate: 19.91%
-- Flow 1:
Average throughput: 59.59 Mbit/s
95th percentile per-packet one-way delay: 73.780 ms
Loss rate: 14.19%
-- Flow 2:
Average throughput: 38.69 Mbit/s
95th percentile per-packet one-way delay: 76.390 ms
Loss rate: 28.26%
-- Flow 3:
Average throughput: 29.87 Mbit/s
95th percentile per-packet one-way delay: 72.980 ms
Loss rate: 27.05%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-17 18:54:27

End at: 2018-07-17 18:54:57

Local clock offset: 6.228 ms

Remote clock offset: 6.105 ms

Below is generated by plot.py at 2018-07-17 20:37:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.55 Mbit/s

95th percentile per-packet one-way delay: 71.852 ms

Loss rate: 19.50%

-- Flow 1:

Average throughput: 57.48 Mbit/s

95th percentile per-packet one-way delay: 68.902 ms

Loss rate: 13.87%

-- Flow 2:

Average throughput: 42.00 Mbit/s

95th percentile per-packet one-way delay: 74.814 ms

Loss rate: 26.89%

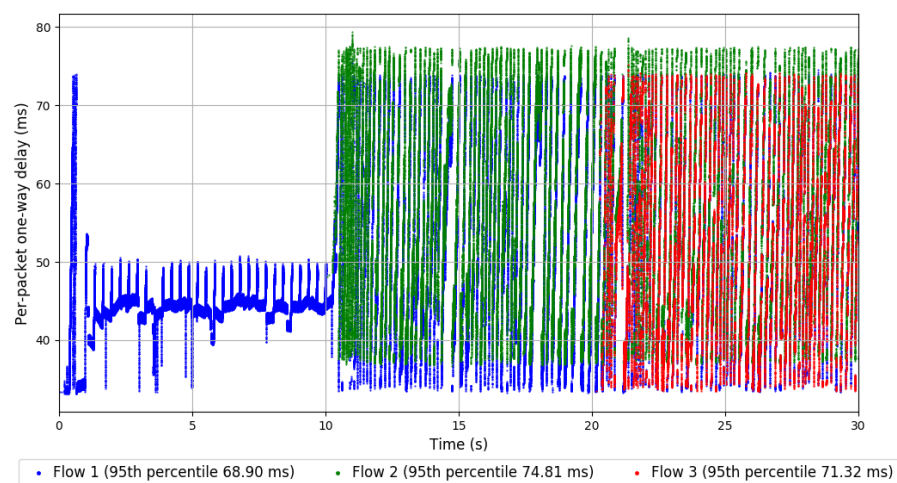
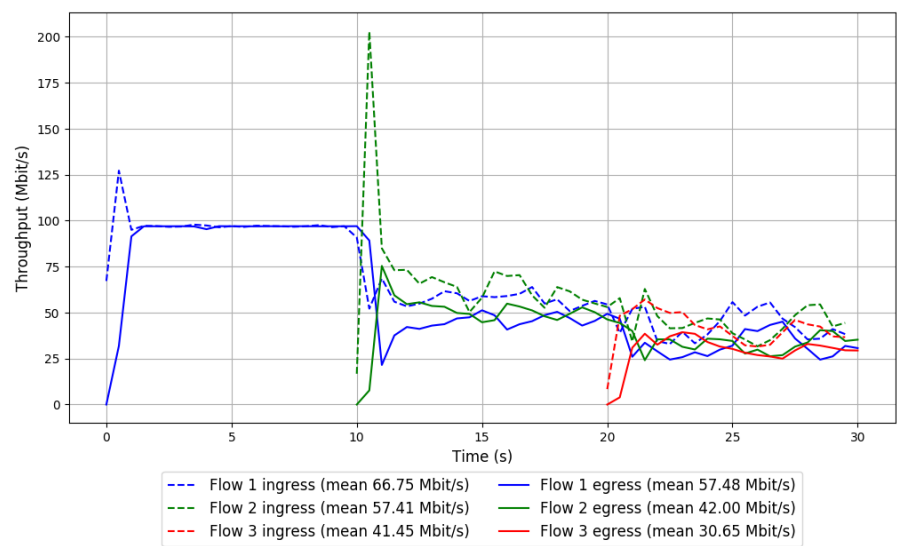
-- Flow 3:

Average throughput: 30.65 Mbit/s

95th percentile per-packet one-way delay: 71.319 ms

Loss rate: 26.30%

Run 7: Report of FillP-Sheep — Data Link

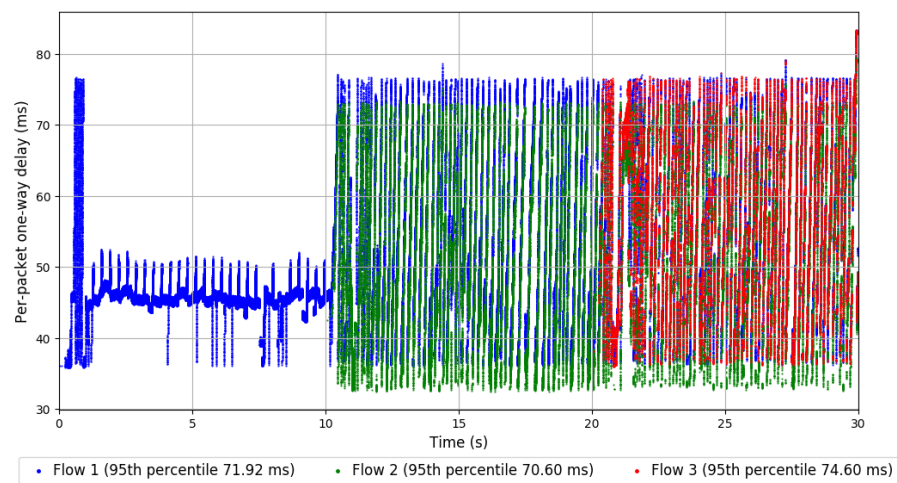
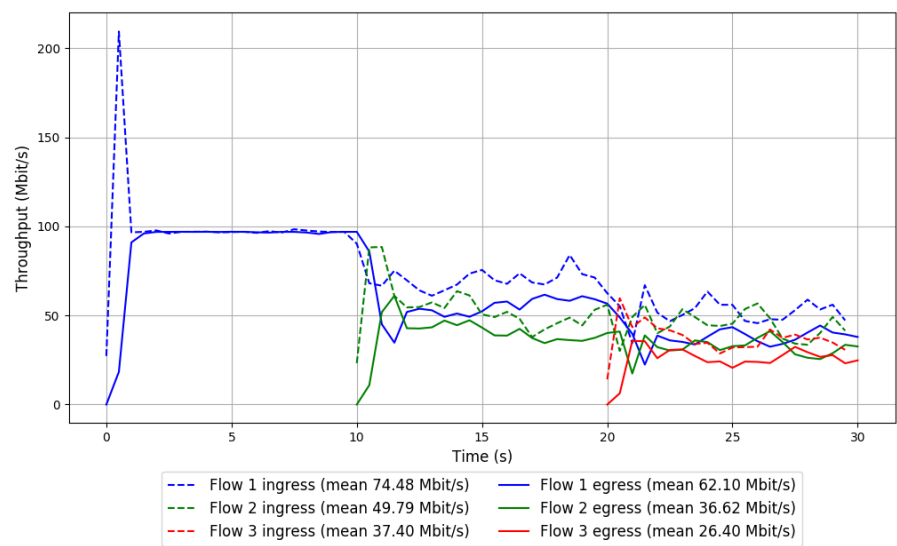


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-17 19:17:23
End at: 2018-07-17 19:17:53
Local clock offset: 12.987 ms
Remote clock offset: -0.672 ms

```
# Below is generated by plot.py at 2018-07-17 20:38:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 71.815 ms
Loss rate: 20.63%
-- Flow 1:
Average throughput: 62.10 Mbit/s
95th percentile per-packet one-way delay: 71.918 ms
Loss rate: 16.59%
-- Flow 2:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 70.600 ms
Loss rate: 26.45%
-- Flow 3:
Average throughput: 26.40 Mbit/s
95th percentile per-packet one-way delay: 74.598 ms
Loss rate: 29.33%
```


Run 8: Report of FillP-Sheep — Data Link

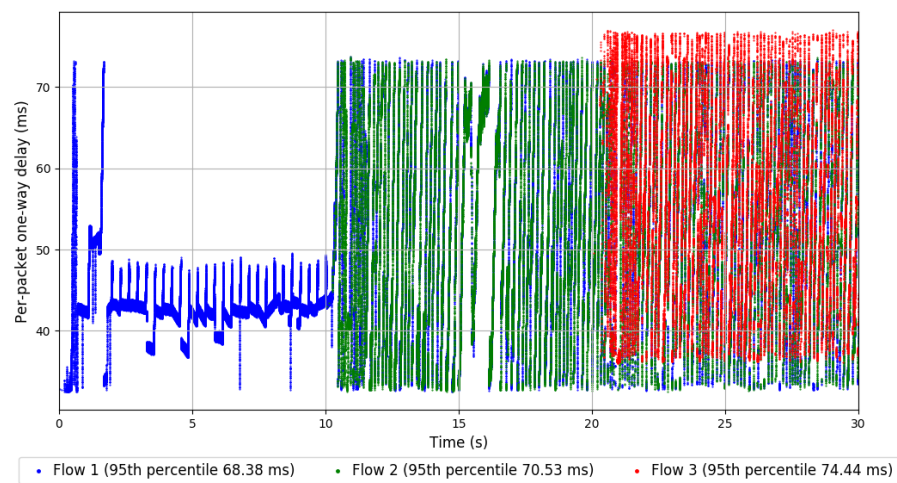
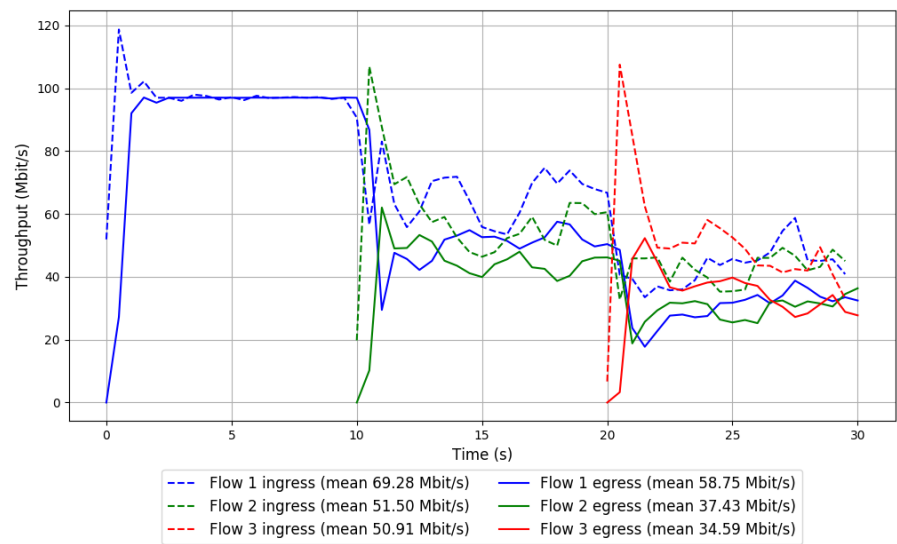


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-17 19:40:13
End at: 2018-07-17 19:40:43
Local clock offset: 11.129 ms
Remote clock offset: -6.689 ms

Below is generated by plot.py at 2018-07-17 20:38:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 70.253 ms
Loss rate: 21.01%
-- Flow 1:
Average throughput: 58.75 Mbit/s
95th percentile per-packet one-way delay: 68.379 ms
Loss rate: 15.18%
-- Flow 2:
Average throughput: 37.43 Mbit/s
95th percentile per-packet one-way delay: 70.532 ms
Loss rate: 27.32%
-- Flow 3:
Average throughput: 34.59 Mbit/s
95th percentile per-packet one-way delay: 74.435 ms
Loss rate: 32.10%

Run 9: Report of FillP-Sheep — Data Link

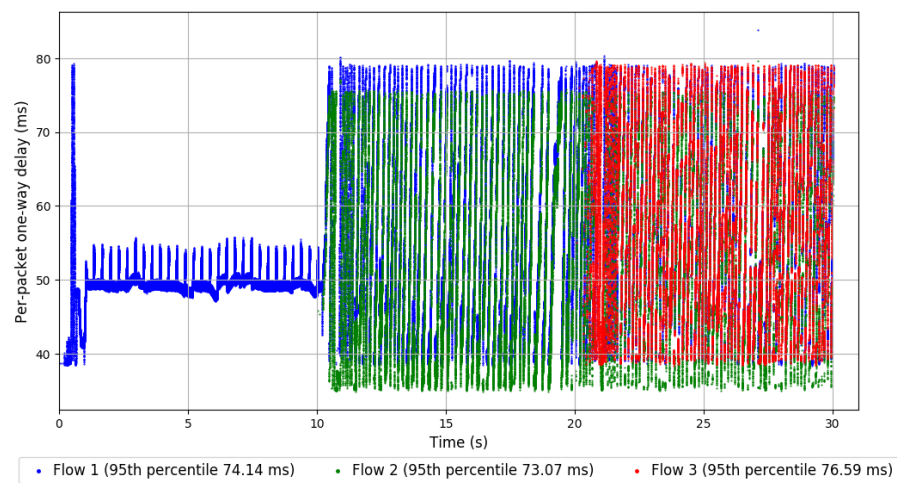
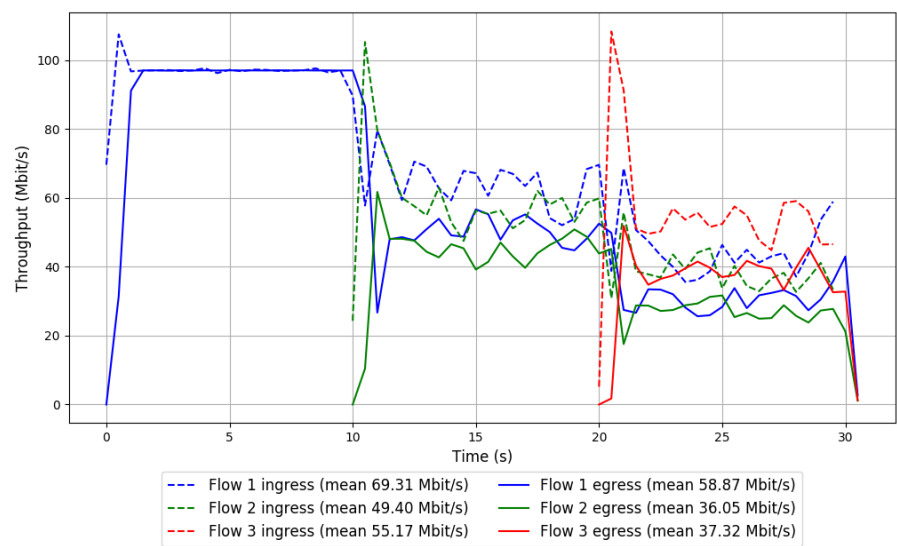


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-17 20:03:07
End at: 2018-07-17 20:03:37
Local clock offset: 1.236 ms
Remote clock offset: -2.034 ms

Below is generated by plot.py at 2018-07-17 20:38:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 74.203 ms
Loss rate: 20.87%
-- Flow 1:
Average throughput: 58.87 Mbit/s
95th percentile per-packet one-way delay: 74.143 ms
Loss rate: 14.98%
-- Flow 2:
Average throughput: 36.05 Mbit/s
95th percentile per-packet one-way delay: 73.069 ms
Loss rate: 26.94%
-- Flow 3:
Average throughput: 37.32 Mbit/s
95th percentile per-packet one-way delay: 76.592 ms
Loss rate: 32.25%

Run 10: Report of FillP-Sheep — Data Link

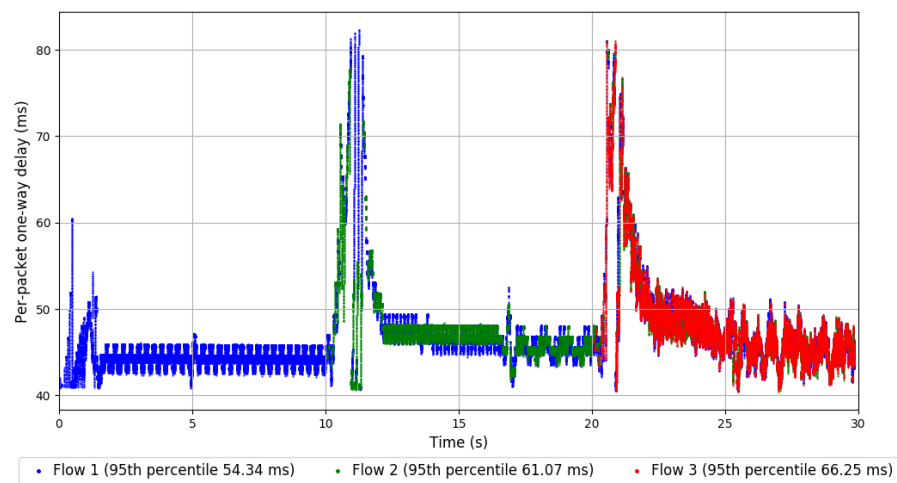
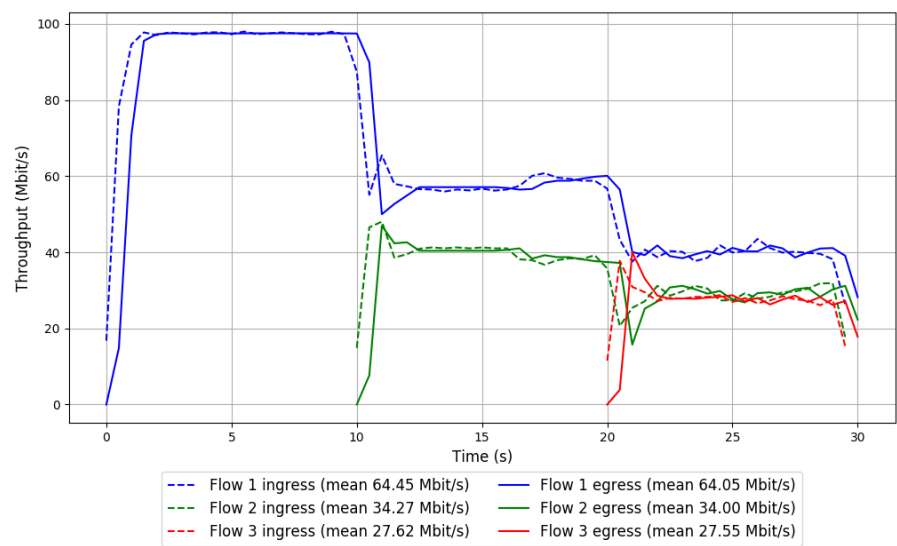


```
Run 1: Statistics of Indigo

Start at: 2018-07-17 16:54:17
End at: 2018-07-17 16:54:47
Local clock offset: 0.819 ms
Remote clock offset: -10.719 ms

# Below is generated by plot.py at 2018-07-17 20:38:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 58.162 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 64.05 Mbit/s
95th percentile per-packet one-way delay: 54.335 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 34.00 Mbit/s
95th percentile per-packet one-way delay: 61.066 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 27.55 Mbit/s
95th percentile per-packet one-way delay: 66.254 ms
Loss rate: 0.24%
```

Run 1: Report of Indigo — Data Link

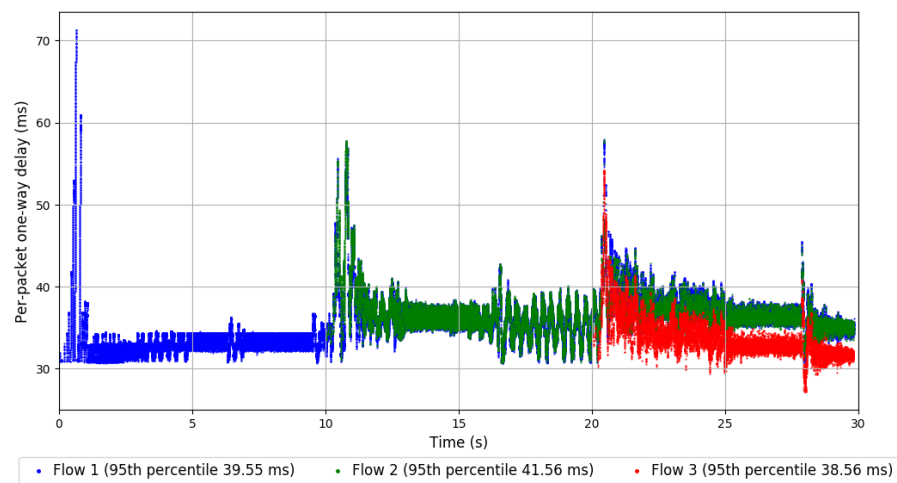
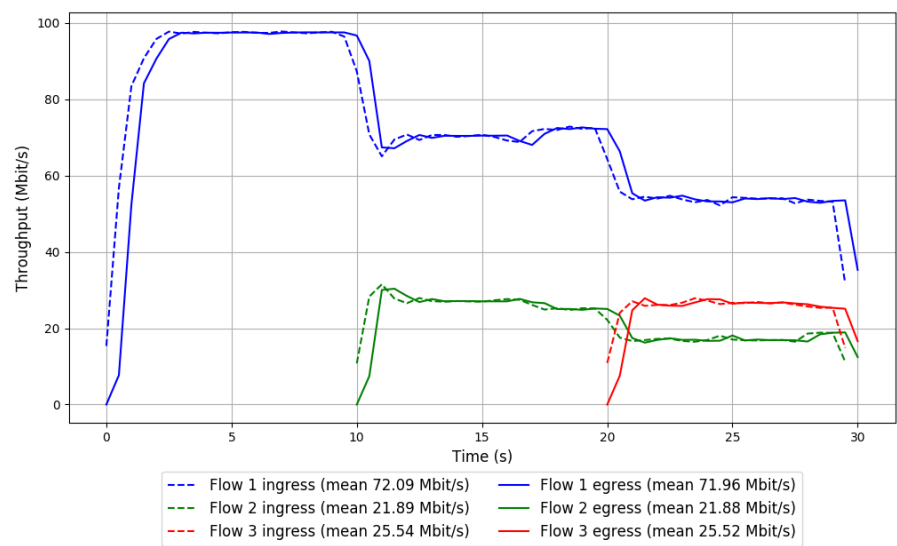


Run 2: Statistics of Indigo

Start at: 2018-07-17 17:17:09
End at: 2018-07-17 17:17:39
Local clock offset: 0.538 ms
Remote clock offset: -10.057 ms

Below is generated by plot.py at 2018-07-17 20:38:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.85 Mbit/s
95th percentile per-packet one-way delay: 39.804 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 71.96 Mbit/s
95th percentile per-packet one-way delay: 39.547 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 21.88 Mbit/s
95th percentile per-packet one-way delay: 41.561 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 25.52 Mbit/s
95th percentile per-packet one-way delay: 38.558 ms
Loss rate: 0.06%

Run 2: Report of Indigo — Data Link

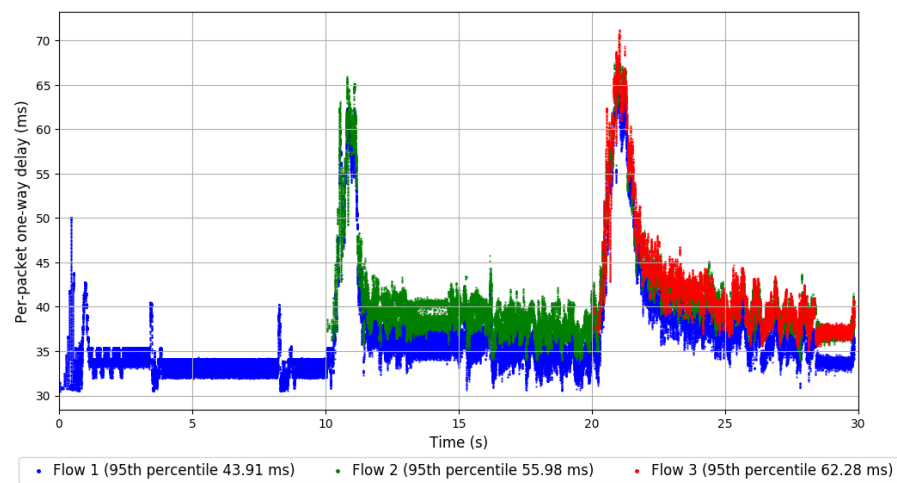
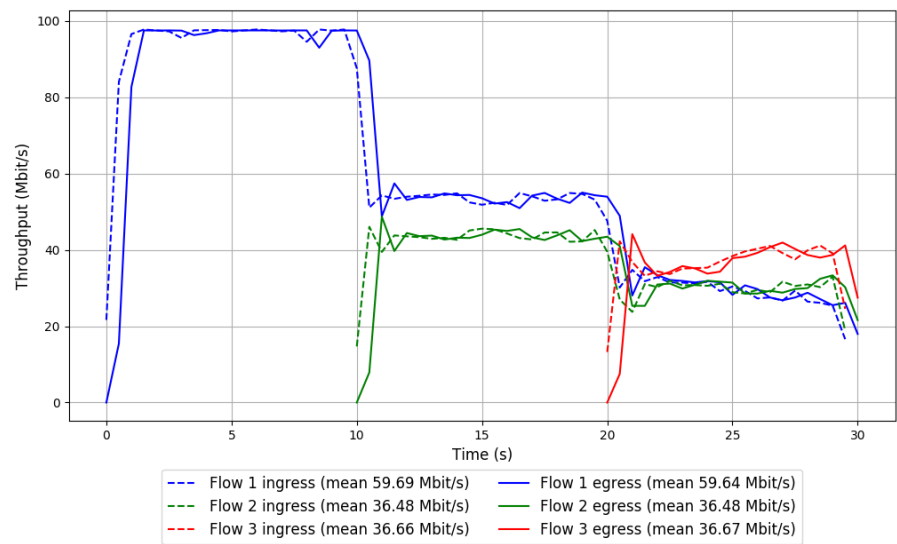


Run 3: Statistics of Indigo

Start at: 2018-07-17 17:40:06
End at: 2018-07-17 17:40:36
Local clock offset: 0.823 ms
Remote clock offset: -5.021 ms

Below is generated by plot.py at 2018-07-17 20:38:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 52.724 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 59.64 Mbit/s
95th percentile per-packet one-way delay: 43.905 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 36.48 Mbit/s
95th percentile per-packet one-way delay: 55.980 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.67 Mbit/s
95th percentile per-packet one-way delay: 62.284 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-17 18:03:03

End at: 2018-07-17 18:03:33

Local clock offset: 0.95 ms

Remote clock offset: 1.21 ms

Below is generated by plot.py at 2018-07-17 20:38:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.46 Mbit/s

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

Loss rate: 0.09%

-- Flow 1:

Average throughput: 67.96 Mbit/s

95th percentile per-packet one-way delay: 50.374 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 29.71 Mbit/s

95th percentile per-packet one-way delay: 51.749 ms

Loss rate: 0.07%

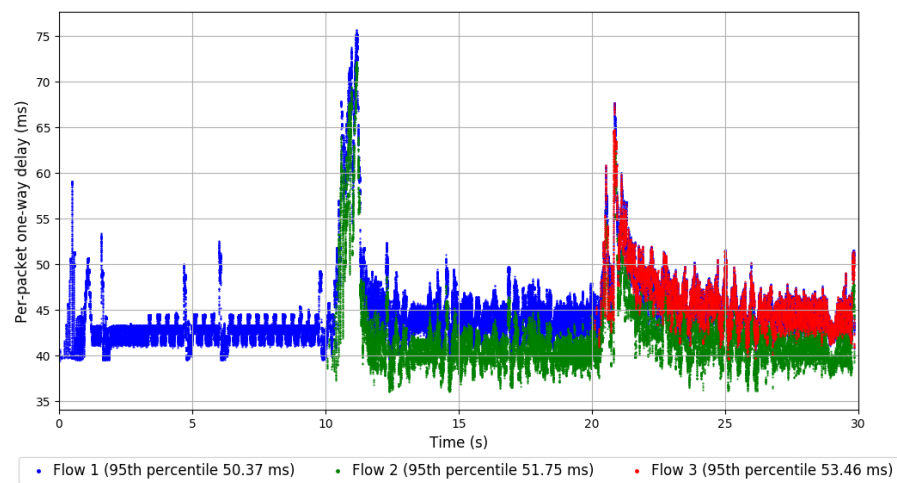
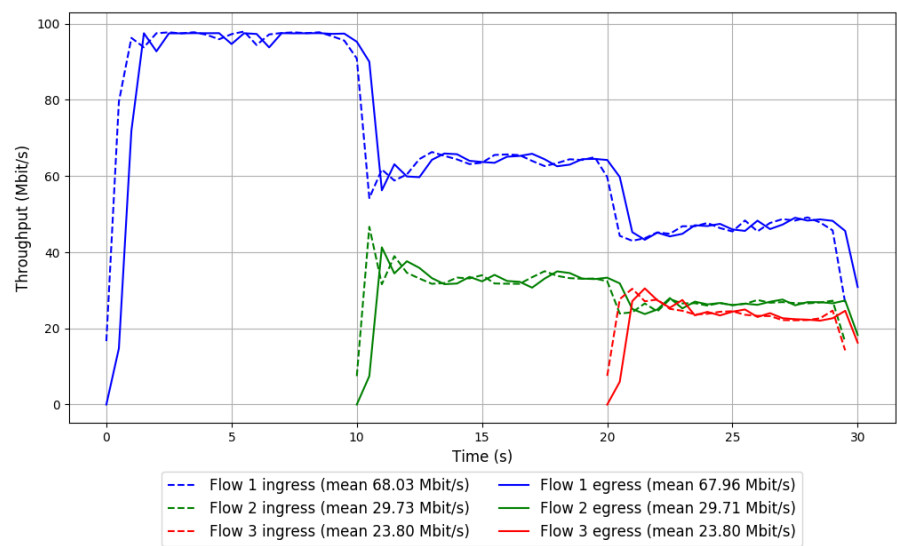
-- Flow 3:

Average throughput: 23.80 Mbit/s

95th percentile per-packet one-way delay: 53.458 ms

Loss rate: 0.05%

Run 4: Report of Indigo — Data Link

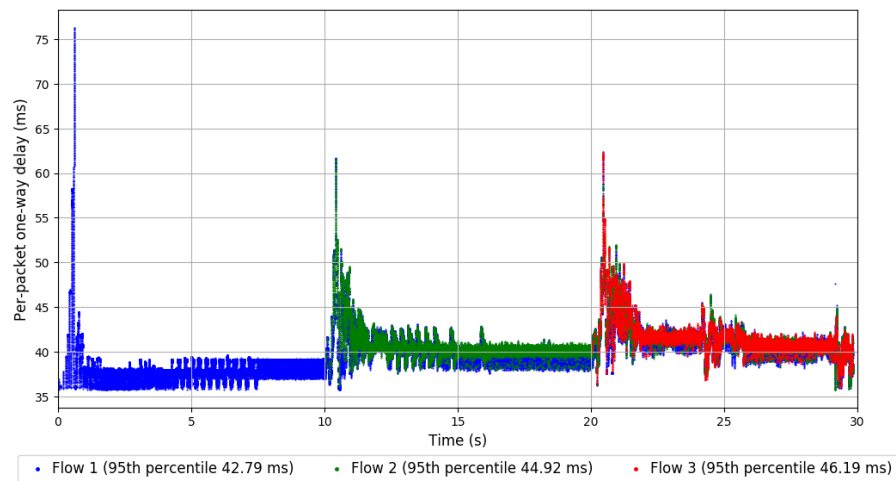
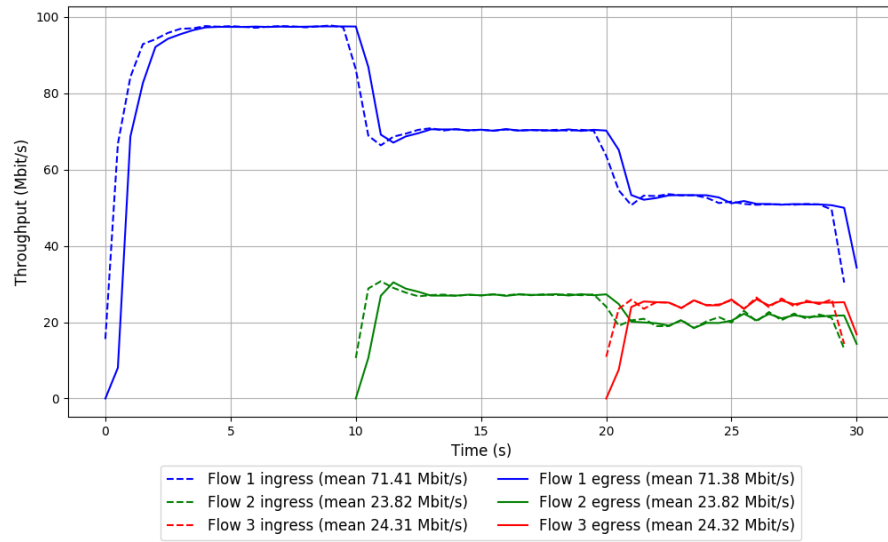


Run 5: Statistics of Indigo

Start at: 2018-07-17 18:26:09
End at: 2018-07-17 18:26:39
Local clock offset: 0.407 ms
Remote clock offset: -0.536 ms

Below is generated by plot.py at 2018-07-17 20:39:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.16 Mbit/s
95th percentile per-packet one-way delay: 43.522 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 71.38 Mbit/s
95th percentile per-packet one-way delay: 42.792 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 23.82 Mbit/s
95th percentile per-packet one-way delay: 44.917 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 46.186 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-17 18:49:01

End at: 2018-07-17 18:49:31

Local clock offset: 1.706 ms

Remote clock offset: 2.465 ms

Below is generated by plot.py at 2018-07-17 20:39:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.87 Mbit/s

95th percentile per-packet one-way delay: 44.503 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 66.16 Mbit/s

95th percentile per-packet one-way delay: 42.098 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 29.00 Mbit/s

95th percentile per-packet one-way delay: 45.827 ms

Loss rate: 0.04%

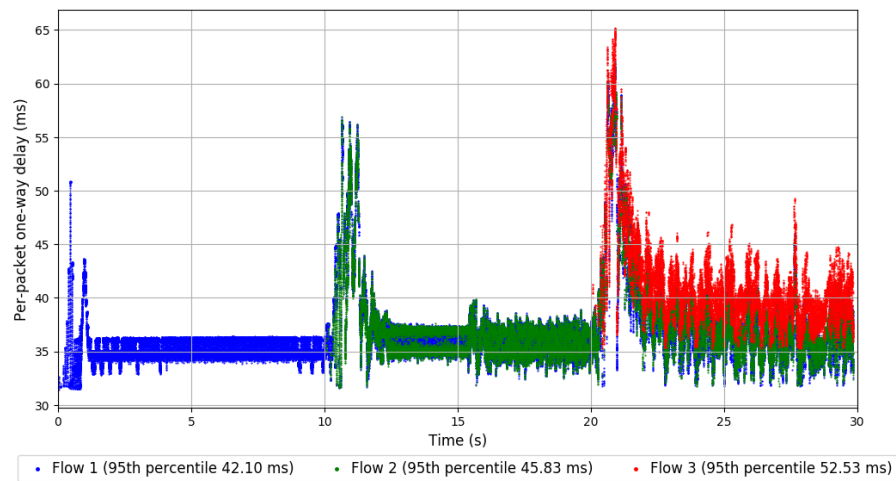
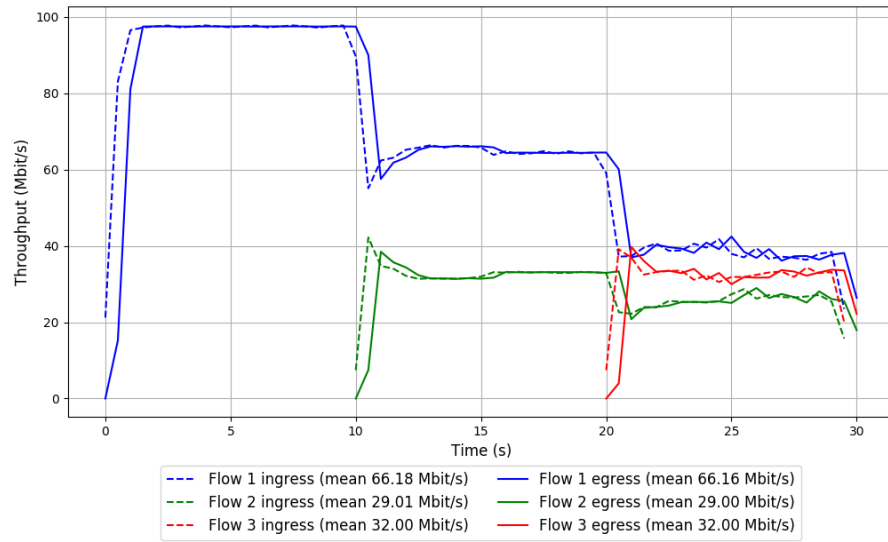
-- Flow 3:

Average throughput: 32.00 Mbit/s

95th percentile per-packet one-way delay: 52.532 ms

Loss rate: 0.05%

Run 6: Report of Indigo — Data Link

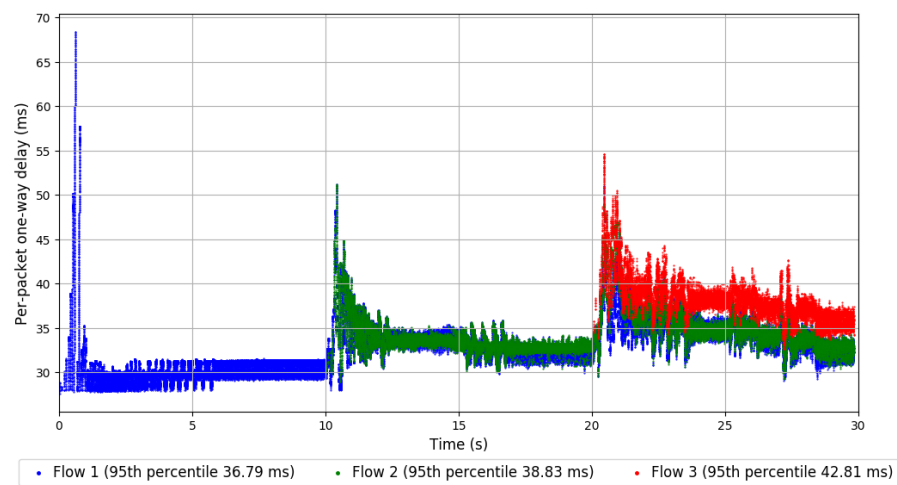
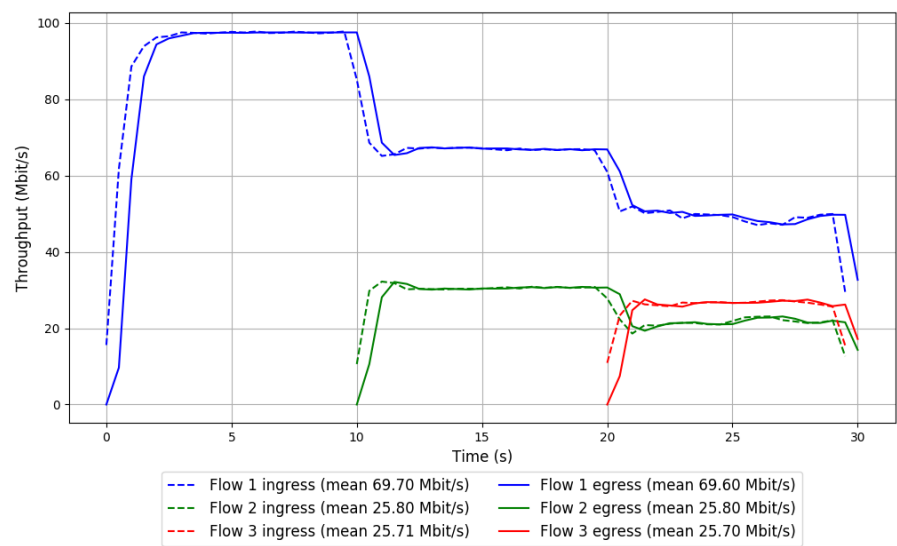


Run 7: Statistics of Indigo

Start at: 2018-07-17 19:11:54
End at: 2018-07-17 19:12:24
Local clock offset: 12.09 ms
Remote clock offset: -0.951 ms

```
# Below is generated by plot.py at 2018-07-17 20:39:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 38.877 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 69.60 Mbit/s
95th percentile per-packet one-way delay: 36.788 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 25.80 Mbit/s
95th percentile per-packet one-way delay: 38.832 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.70 Mbit/s
95th percentile per-packet one-way delay: 42.815 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo — Data Link

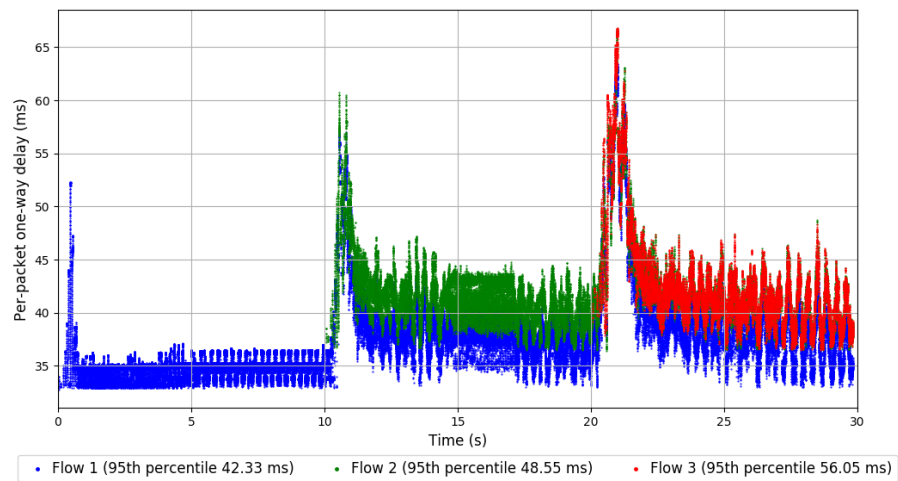
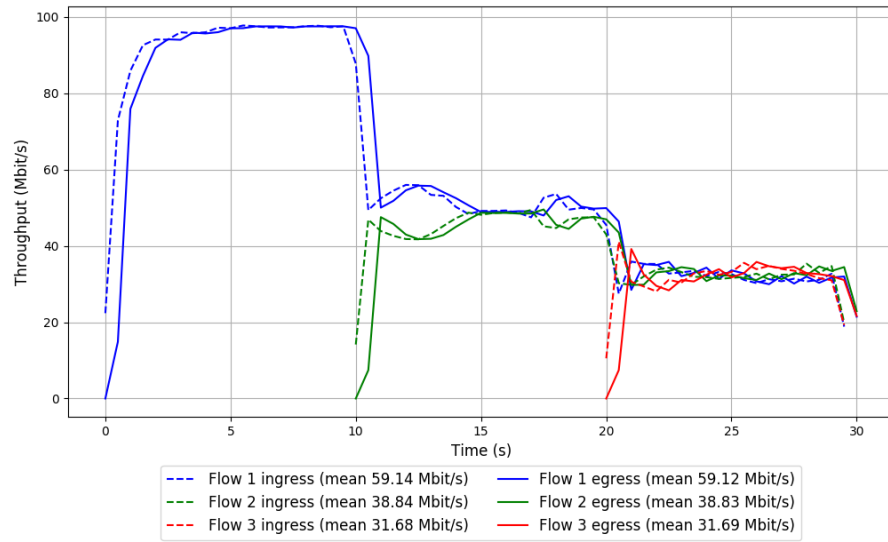


Run 8: Statistics of Indigo

Start at: 2018-07-17 19:34:48
End at: 2018-07-17 19:35:18
Local clock offset: 10.988 ms
Remote clock offset: -5.863 ms

```
# Below is generated by plot.py at 2018-07-17 20:39:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.27 Mbit/s
95th percentile per-packet one-way delay: 46.888 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 59.12 Mbit/s
95th percentile per-packet one-way delay: 42.325 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 38.83 Mbit/s
95th percentile per-packet one-way delay: 48.546 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 56.051 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link

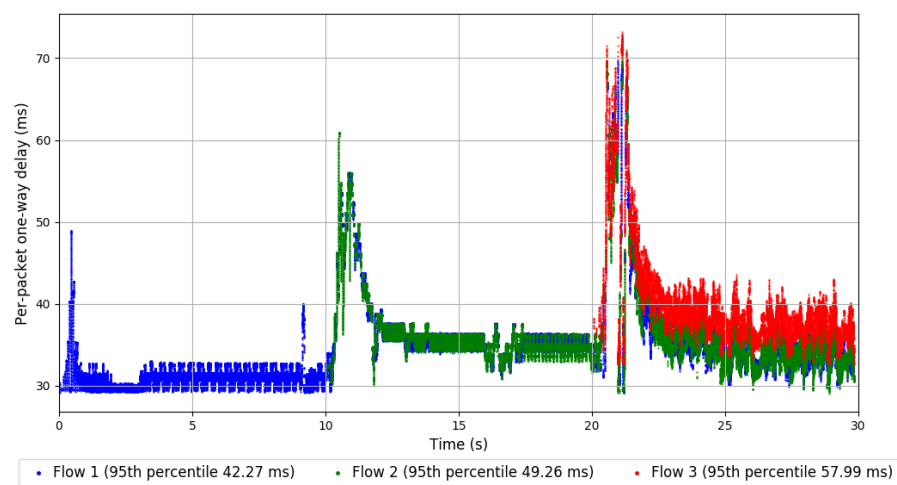
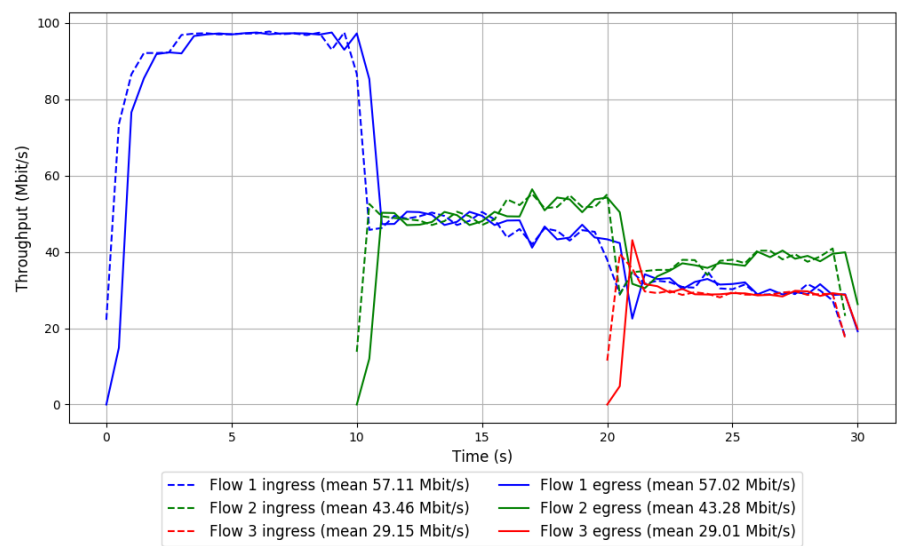


Run 9: Statistics of Indigo

Start at: 2018-07-17 19:57:41
End at: 2018-07-17 19:58:11
Local clock offset: 3.248 ms
Remote clock offset: -8.002 ms

Below is generated by plot.py at 2018-07-17 20:39:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.21 Mbit/s
95th percentile per-packet one-way delay: 47.290 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 57.02 Mbit/s
95th percentile per-packet one-way delay: 42.268 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 43.28 Mbit/s
95th percentile per-packet one-way delay: 49.259 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 29.01 Mbit/s
95th percentile per-packet one-way delay: 57.995 ms
Loss rate: 0.54%

Run 9: Report of Indigo — Data Link

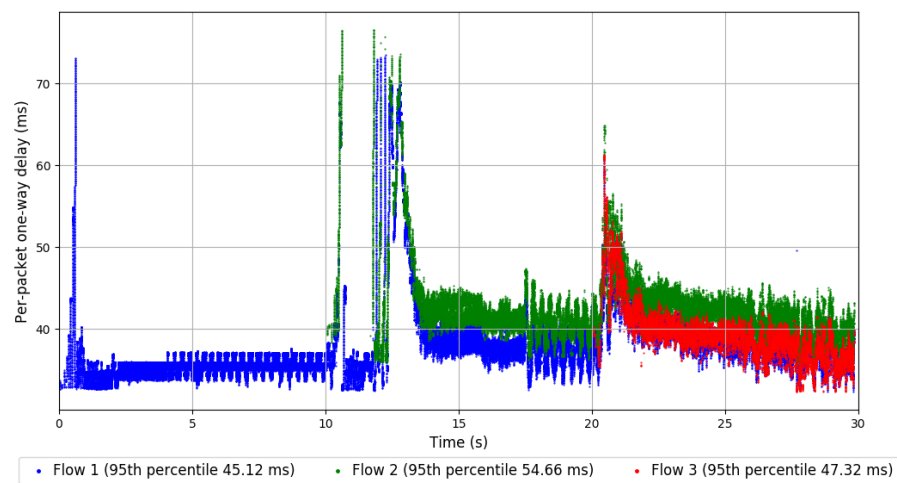
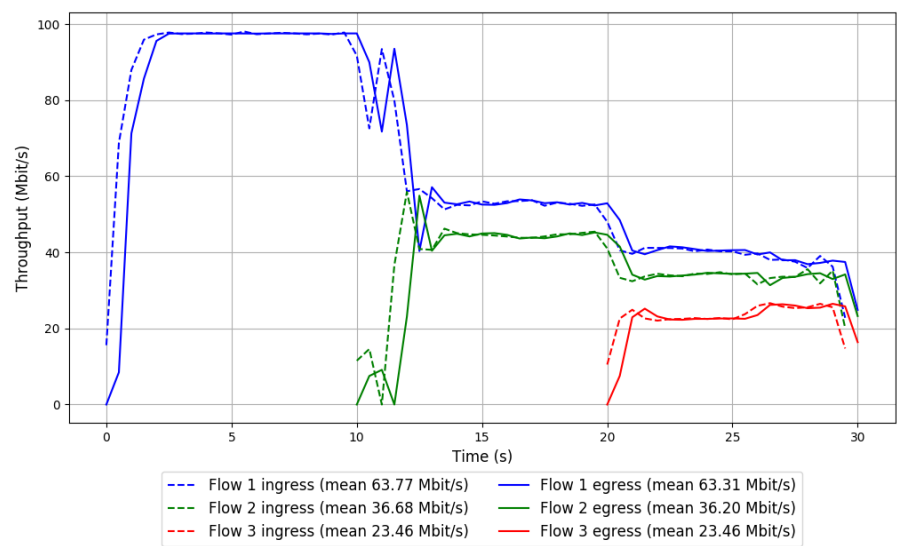


Run 10: Statistics of Indigo

Start at: 2018-07-17 20:20:35
End at: 2018-07-17 20:21:05
Local clock offset: -0.839 ms
Remote clock offset: -0.607 ms

Below is generated by plot.py at 2018-07-17 20:39:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 48.890 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 63.31 Mbit/s
95th percentile per-packet one-way delay: 45.119 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 36.20 Mbit/s
95th percentile per-packet one-way delay: 54.664 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 23.46 Mbit/s
95th percentile per-packet one-way delay: 47.322 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

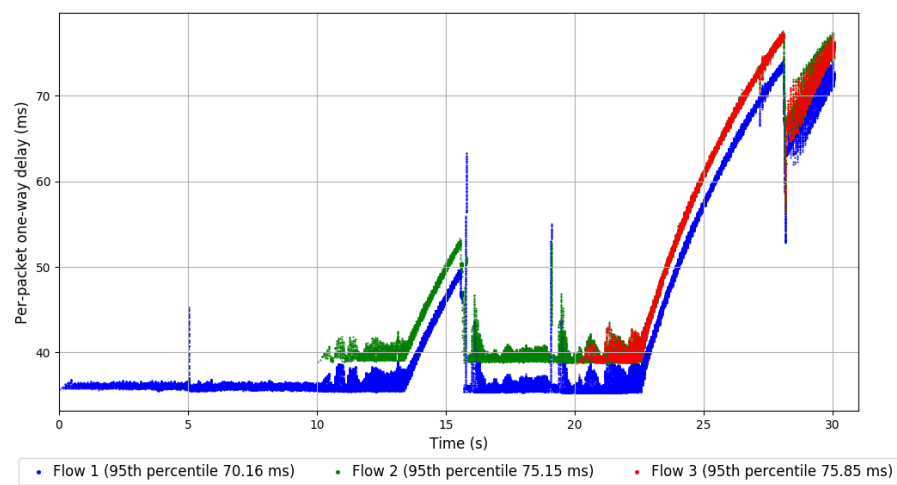
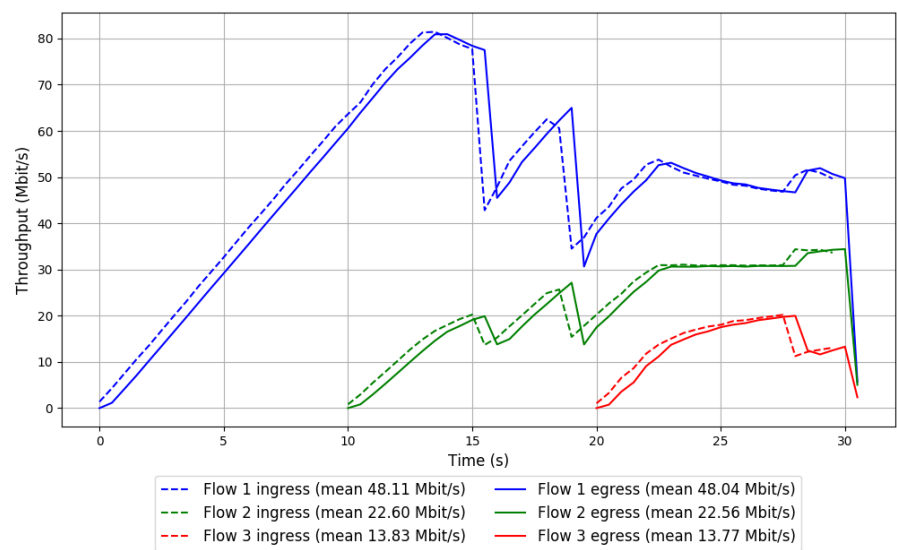


Run 1: Statistics of LEDBAT

Start at: 2018-07-17 16:56:59
End at: 2018-07-17 16:57:29
Local clock offset: 0.749 ms
Remote clock offset: -9.738 ms

Below is generated by plot.py at 2018-07-17 20:39:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.66 Mbit/s
95th percentile per-packet one-way delay: 72.608 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 48.04 Mbit/s
95th percentile per-packet one-way delay: 70.163 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 22.56 Mbit/s
95th percentile per-packet one-way delay: 75.150 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 13.77 Mbit/s
95th percentile per-packet one-way delay: 75.851 ms
Loss rate: 0.01%

Run 1: Report of LEDBAT — Data Link

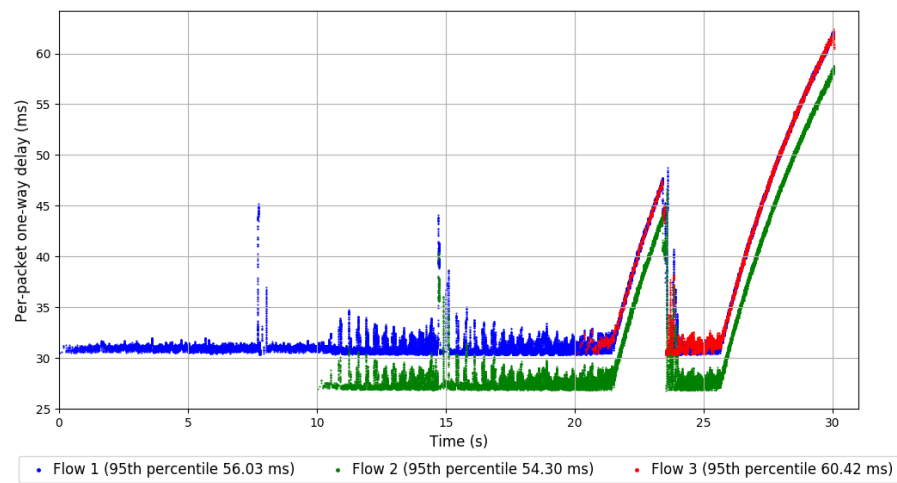
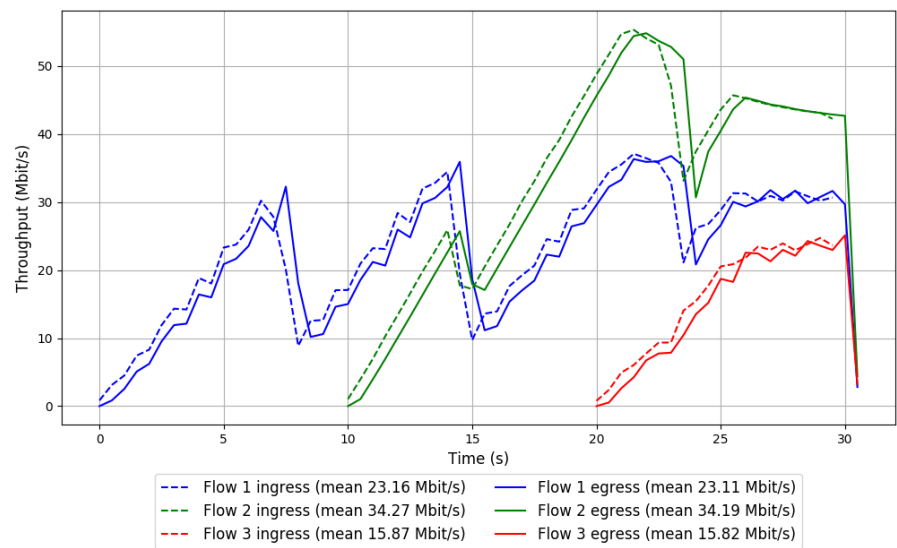


Run 2: Statistics of LEDBAT

Start at: 2018-07-17 17:19:52
End at: 2018-07-17 17:20:22
Local clock offset: 0.642 ms
Remote clock offset: -9.856 ms

Below is generated by plot.py at 2018-07-17 20:39:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.15 Mbit/s
95th percentile per-packet one-way delay: 56.269 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 23.11 Mbit/s
95th percentile per-packet one-way delay: 56.033 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 34.19 Mbit/s
95th percentile per-packet one-way delay: 54.299 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 15.82 Mbit/s
95th percentile per-packet one-way delay: 60.416 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-17 17:42:49

End at: 2018-07-17 17:43:19

Local clock offset: 0.843 ms

Remote clock offset: 2.426 ms

Below is generated by plot.py at 2018-07-17 20:39:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.60 Mbit/s

95th percentile per-packet one-way delay: 59.103 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 38.12 Mbit/s

95th percentile per-packet one-way delay: 57.107 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 29.99 Mbit/s

95th percentile per-packet one-way delay: 61.910 ms

Loss rate: 0.03%

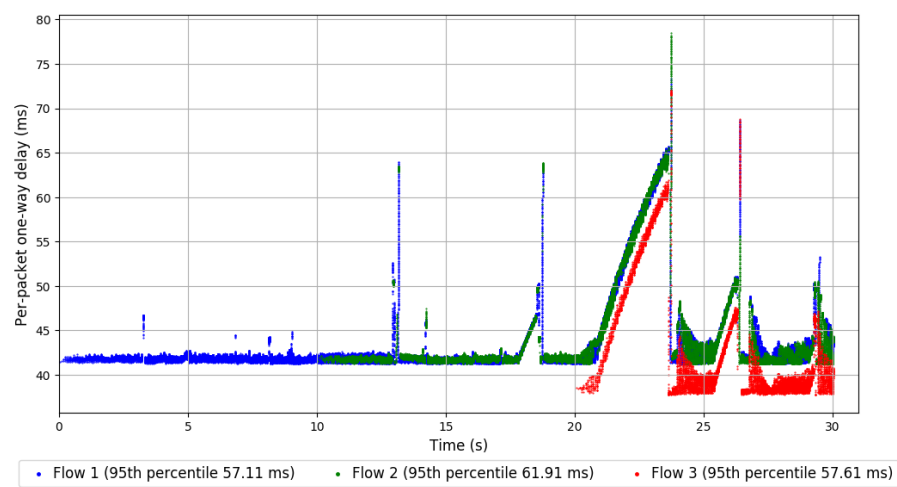
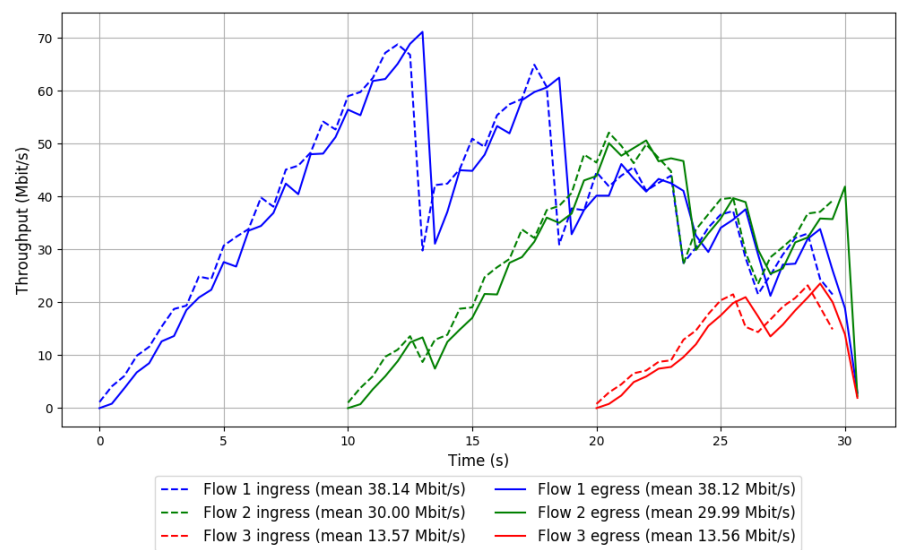
-- Flow 3:

Average throughput: 13.56 Mbit/s

95th percentile per-packet one-way delay: 57.606 ms

Loss rate: 0.06%

Run 3: Report of LEDBAT — Data Link

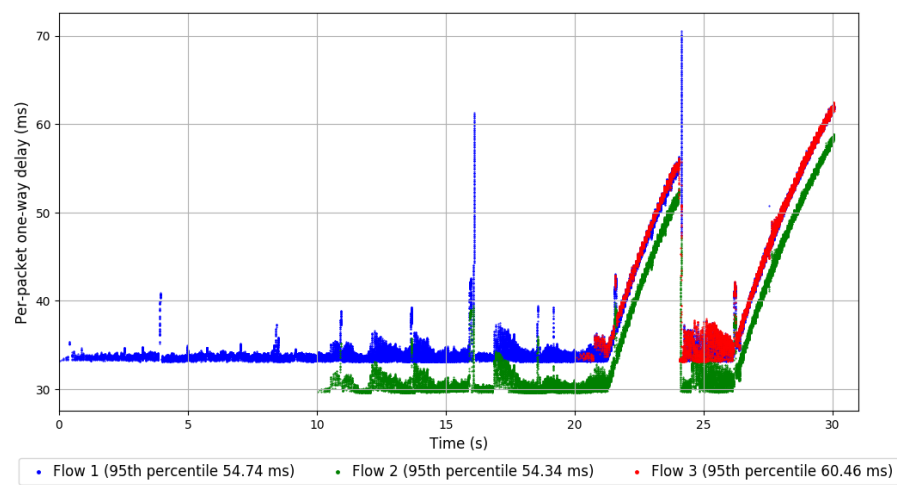
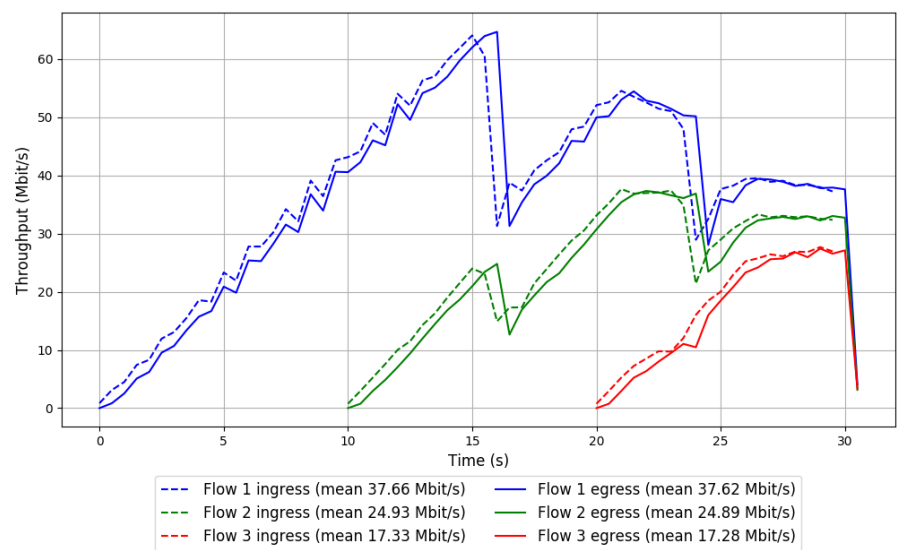


Run 4: Statistics of LEDBAT

Start at: 2018-07-17 18:05:46
End at: 2018-07-17 18:06:16
Local clock offset: 0.832 ms
Remote clock offset: -5.837 ms

Below is generated by plot.py at 2018-07-17 20:39:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.97 Mbit/s
95th percentile per-packet one-way delay: 55.916 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 37.62 Mbit/s
95th percentile per-packet one-way delay: 54.738 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 54.335 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 17.28 Mbit/s
95th percentile per-packet one-way delay: 60.462 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

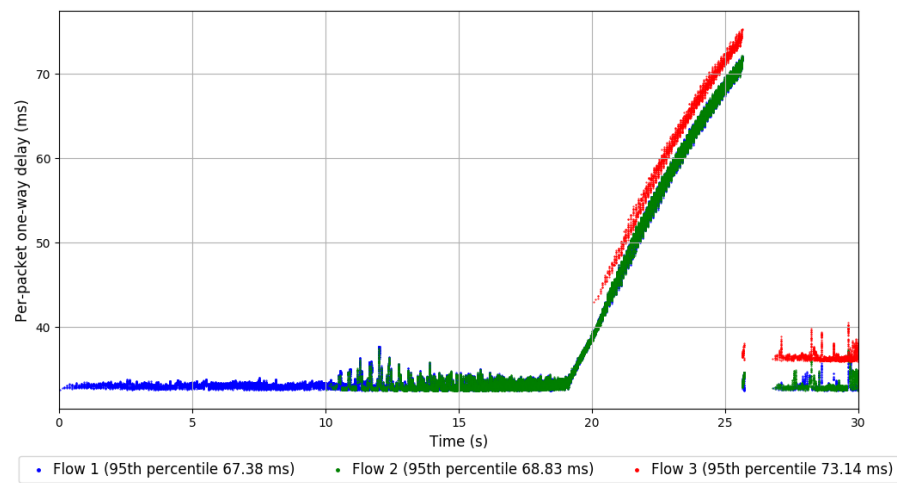
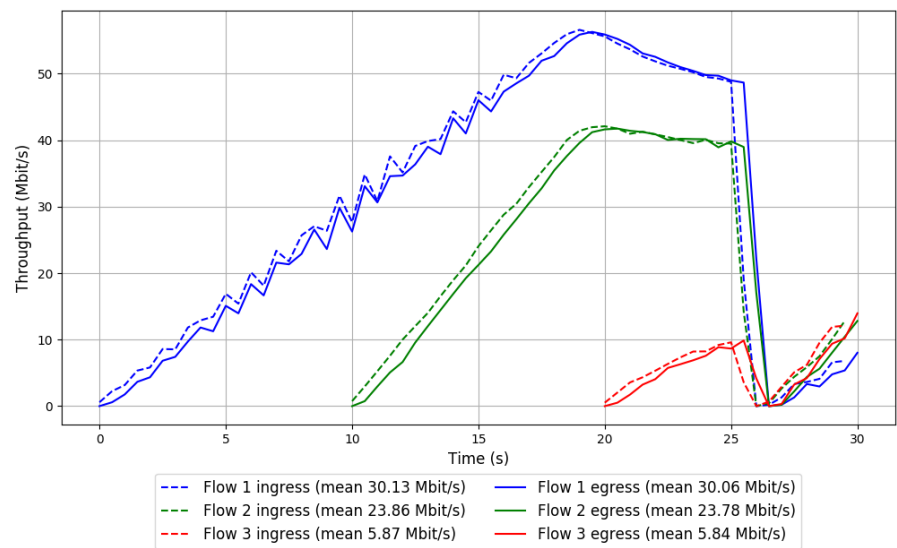


Run 5: Statistics of LEDBAT

Start at: 2018-07-17 18:28:51
End at: 2018-07-17 18:29:21
Local clock offset: 0.344 ms
Remote clock offset: -3.814 ms

Below is generated by plot.py at 2018-07-17 20:39:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.81 Mbit/s
95th percentile per-packet one-way delay: 68.434 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 30.06 Mbit/s
95th percentile per-packet one-way delay: 67.379 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 23.78 Mbit/s
95th percentile per-packet one-way delay: 68.831 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 5.84 Mbit/s
95th percentile per-packet one-way delay: 73.140 ms
Loss rate: 0.58%

Run 5: Report of LEDBAT — Data Link

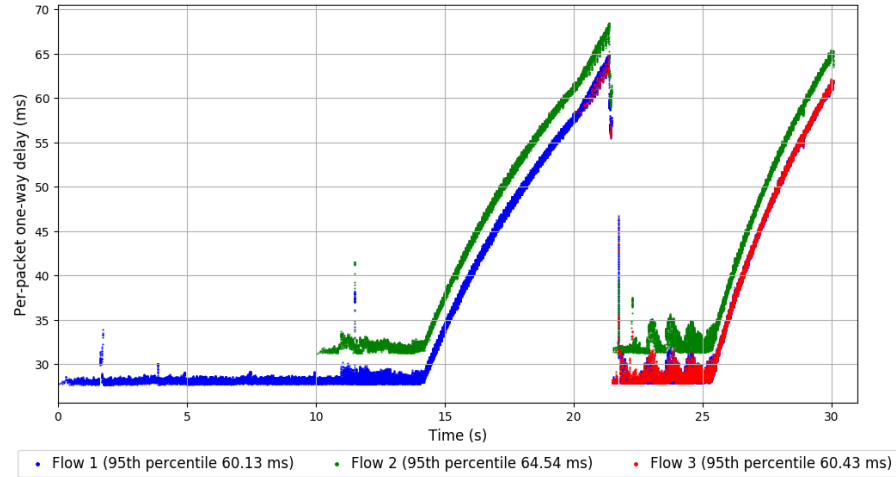
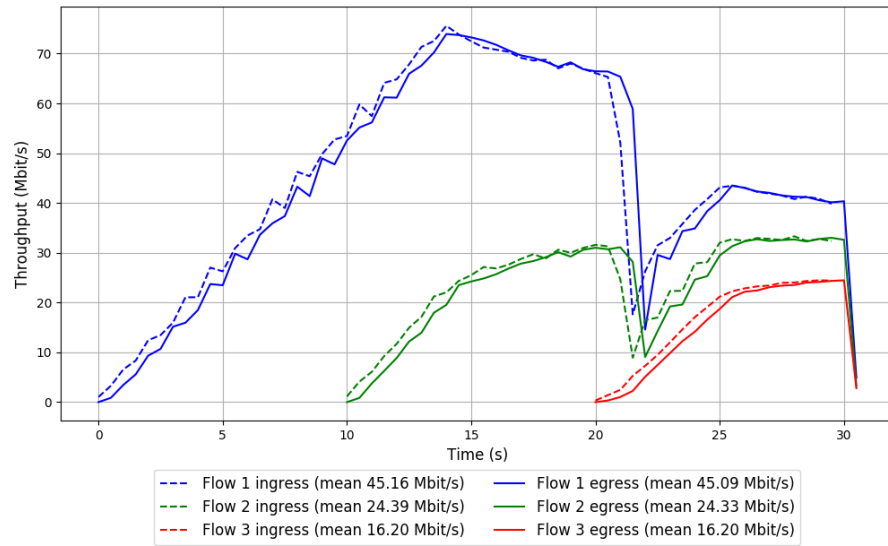


Run 6: Statistics of LEDBAT

Start at: 2018-07-17 18:51:44
End at: 2018-07-17 18:52:14
Local clock offset: 4.193 ms
Remote clock offset: -0.442 ms

Below is generated by plot.py at 2018-07-17 20:40:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.69 Mbit/s
95th percentile per-packet one-way delay: 61.666 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 45.09 Mbit/s
95th percentile per-packet one-way delay: 60.130 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.33 Mbit/s
95th percentile per-packet one-way delay: 64.542 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 16.20 Mbit/s
95th percentile per-packet one-way delay: 60.434 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

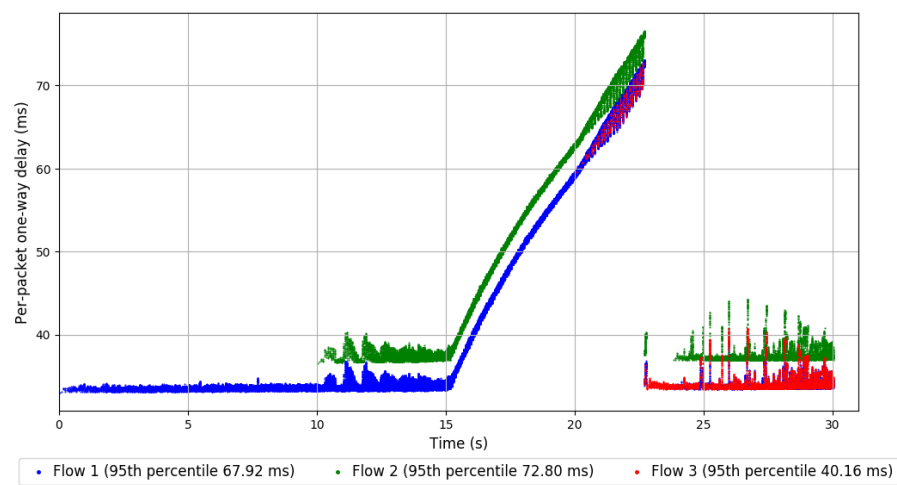
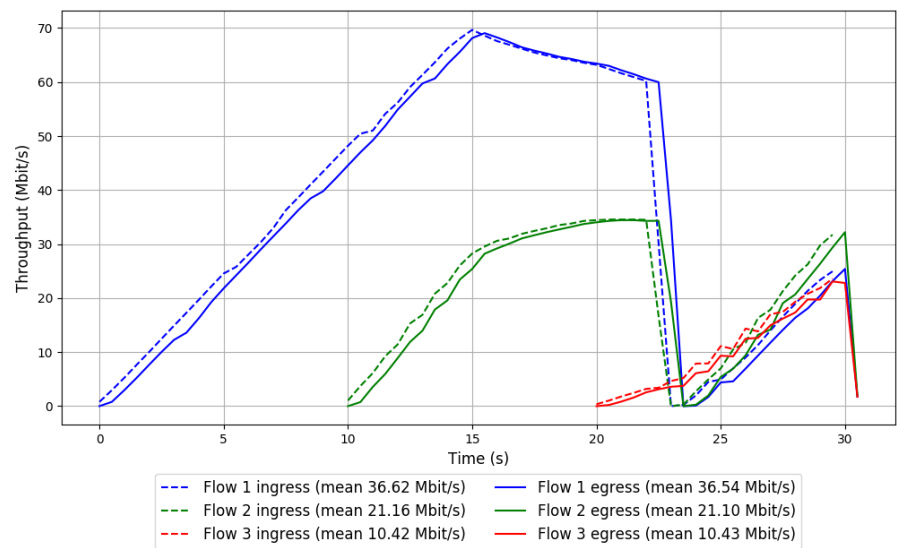


Run 7: Statistics of LEDBAT

Start at: 2018-07-17 19:14:39
End at: 2018-07-17 19:15:09
Local clock offset: 12.477 ms
Remote clock offset: 1.443 ms

Below is generated by plot.py at 2018-07-17 20:40:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.05 Mbit/s
95th percentile per-packet one-way delay: 69.424 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 36.54 Mbit/s
95th percentile per-packet one-way delay: 67.925 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 21.10 Mbit/s
95th percentile per-packet one-way delay: 72.802 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 10.43 Mbit/s
95th percentile per-packet one-way delay: 40.159 ms
Loss rate: 0.15%

Run 7: Report of LEDBAT — Data Link

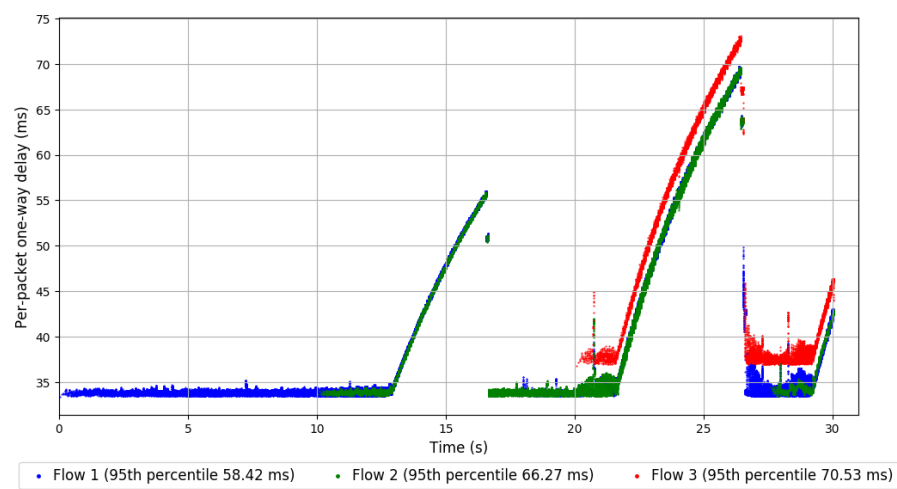
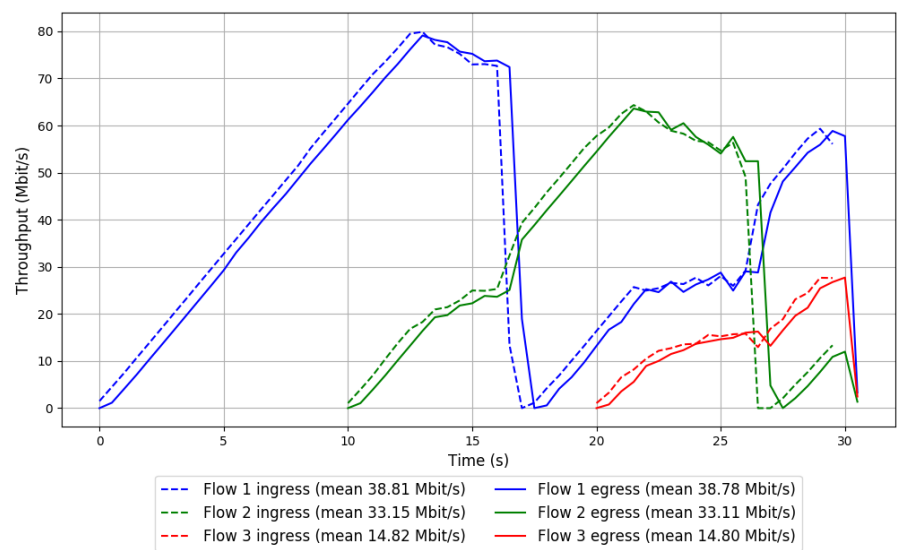


Run 8: Statistics of LEDBAT

Start at: 2018-07-17 19:37:30
End at: 2018-07-17 19:38:00
Local clock offset: 11.042 ms
Remote clock offset: -5.682 ms

Below is generated by plot.py at 2018-07-17 20:40:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.75 Mbit/s
95th percentile per-packet one-way delay: 64.767 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 38.78 Mbit/s
95th percentile per-packet one-way delay: 58.425 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 33.11 Mbit/s
95th percentile per-packet one-way delay: 66.265 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 14.80 Mbit/s
95th percentile per-packet one-way delay: 70.531 ms
Loss rate: 0.06%

Run 8: Report of LEDBAT — Data Link

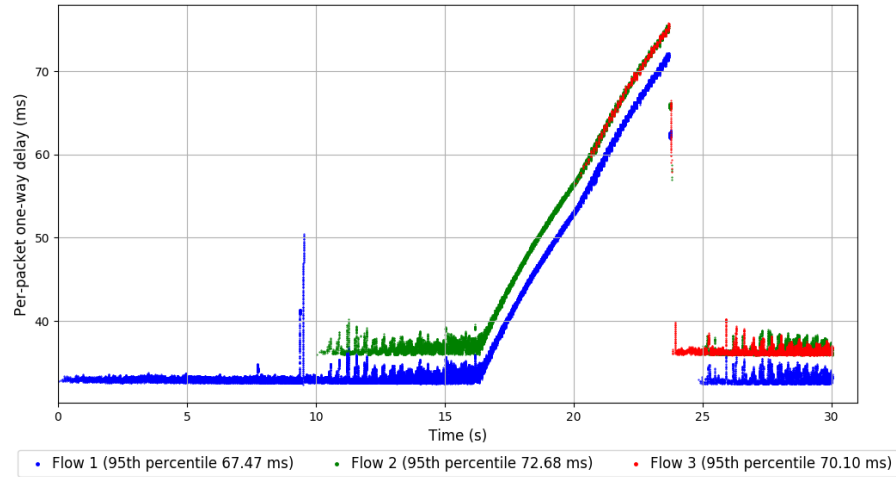
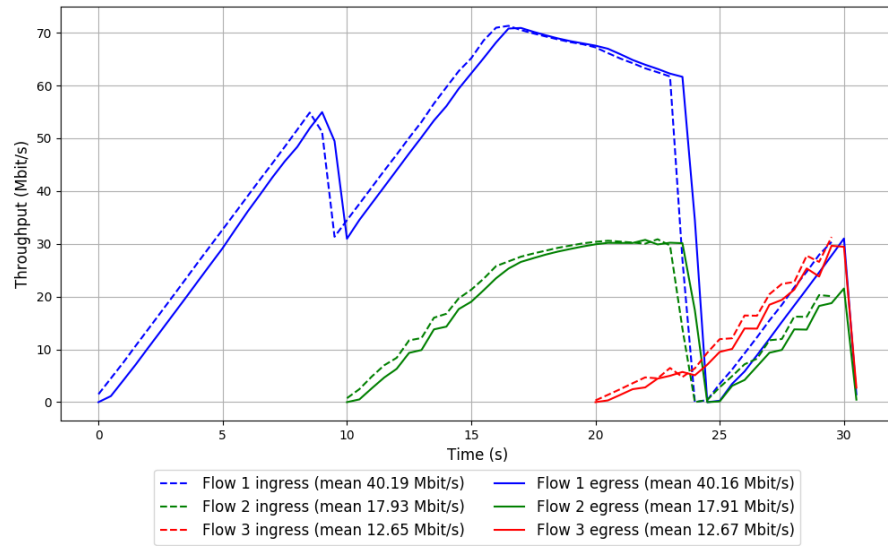


Run 9: Statistics of LEDBAT

Start at: 2018-07-17 20:00:24
End at: 2018-07-17 20:00:54
Local clock offset: 2.029 ms
Remote clock offset: -4.745 ms

Below is generated by plot.py at 2018-07-17 20:40:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.29 Mbit/s
95th percentile per-packet one-way delay: 69.198 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 40.16 Mbit/s
95th percentile per-packet one-way delay: 67.467 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 17.91 Mbit/s
95th percentile per-packet one-way delay: 72.683 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 12.67 Mbit/s
95th percentile per-packet one-way delay: 70.096 ms
Loss rate: 0.04%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-17 20:23:19

End at: 2018-07-17 20:23:49

Local clock offset: -0.628 ms

Remote clock offset: 1.759 ms

Below is generated by plot.py at 2018-07-17 20:40:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 47.80 Mbit/s

95th percentile per-packet one-way delay: 55.686 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 28.52 Mbit/s

95th percentile per-packet one-way delay: 56.702 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 22.43 Mbit/s

95th percentile per-packet one-way delay: 53.715 ms

Loss rate: 0.02%

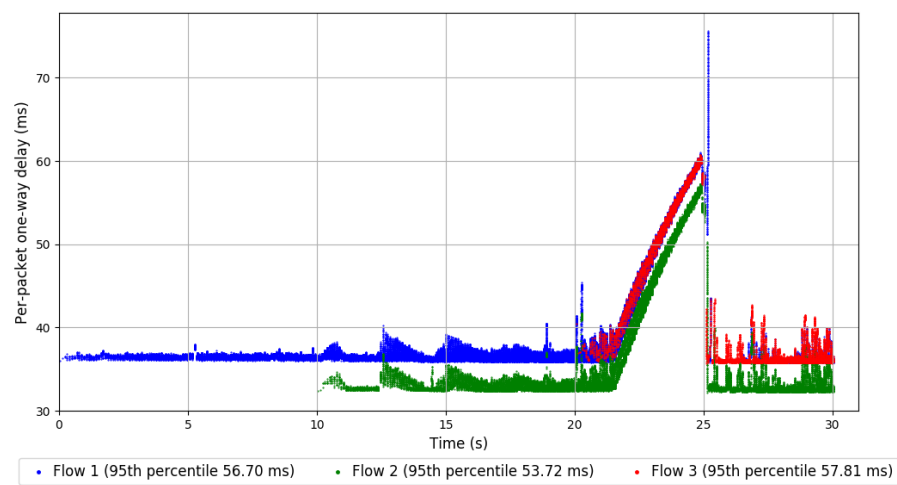
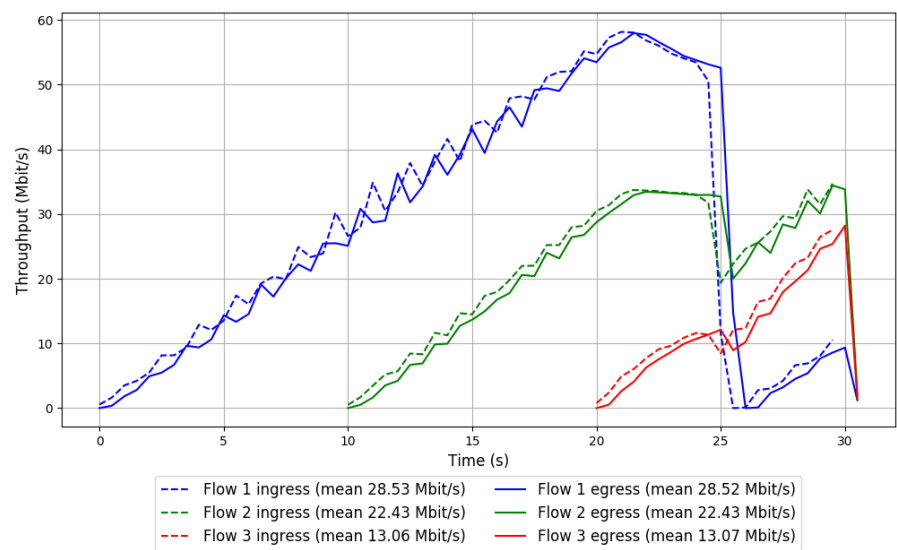
-- Flow 3:

Average throughput: 13.07 Mbit/s

95th percentile per-packet one-way delay: 57.809 ms

Loss rate: 0.04%

Run 10: Report of LEDBAT — Data Link

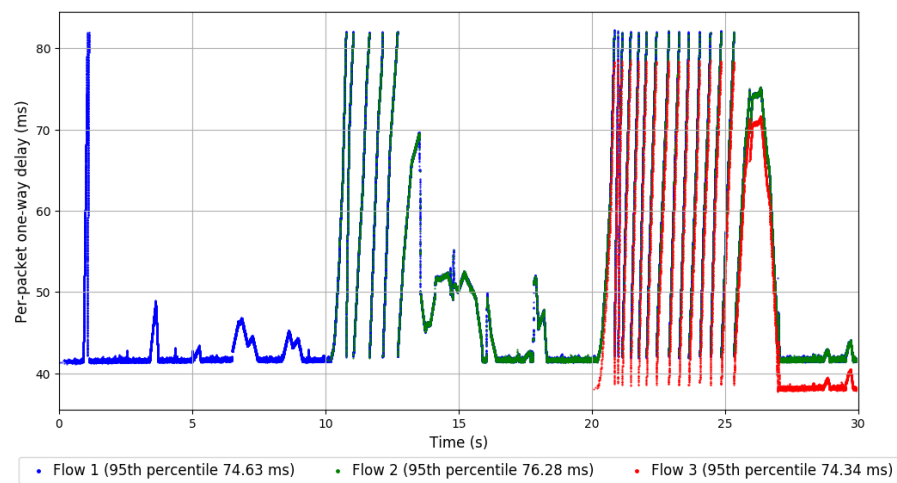
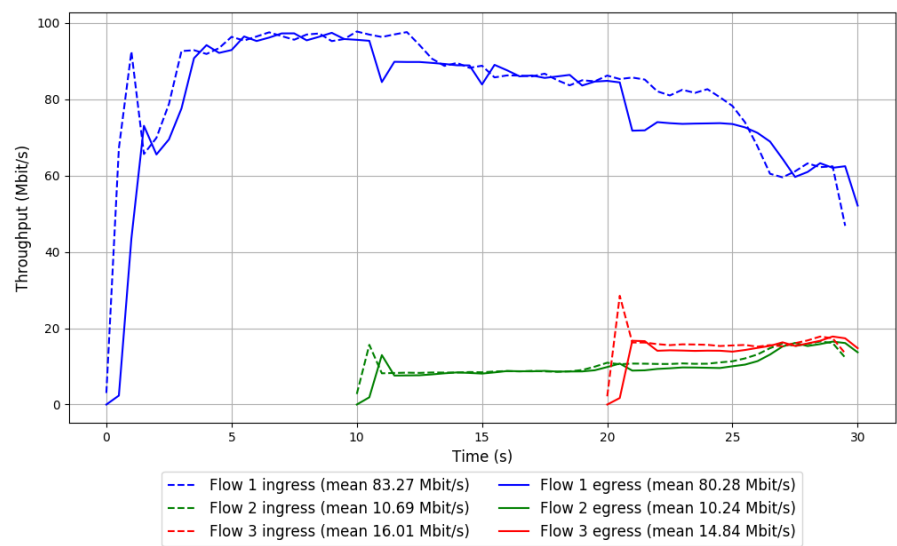


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-17 16:48:56
End at: 2018-07-17 16:49:26
Local clock offset: 1.03 ms
Remote clock offset: -12.613 ms

# Below is generated by plot.py at 2018-07-17 20:40:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.98 Mbit/s
95th percentile per-packet one-way delay: 74.742 ms
Loss rate: 3.85%
-- Flow 1:
Average throughput: 80.28 Mbit/s
95th percentile per-packet one-way delay: 74.630 ms
Loss rate: 3.59%
-- Flow 2:
Average throughput: 10.24 Mbit/s
95th percentile per-packet one-way delay: 76.277 ms
Loss rate: 4.18%
-- Flow 3:
Average throughput: 14.84 Mbit/s
95th percentile per-packet one-way delay: 74.339 ms
Loss rate: 7.34%
```

Run 1: Report of PCC-Allegro — Data Link

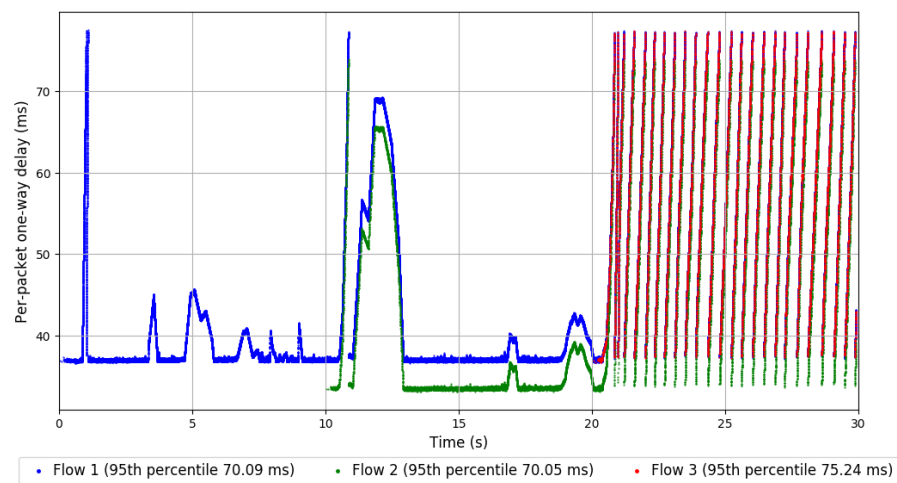
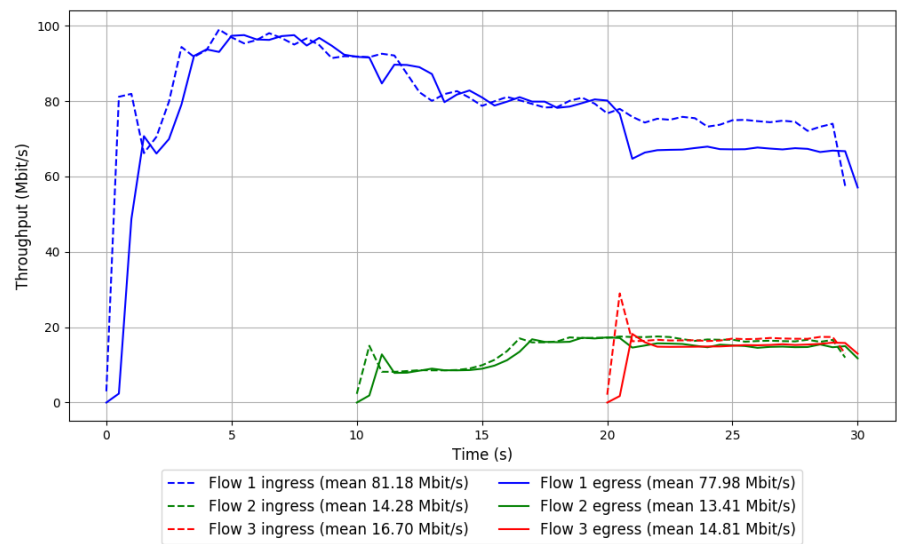


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-17 17:11:47
End at: 2018-07-17 17:12:17
Local clock offset: 0.558 ms
Remote clock offset: -5.067 ms

Below is generated by plot.py at 2018-07-17 20:40:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.78 Mbit/s
95th percentile per-packet one-way delay: 70.863 ms
Loss rate: 4.56%
-- Flow 1:
Average throughput: 77.98 Mbit/s
95th percentile per-packet one-way delay: 70.089 ms
Loss rate: 3.93%
-- Flow 2:
Average throughput: 13.41 Mbit/s
95th percentile per-packet one-way delay: 70.049 ms
Loss rate: 6.06%
-- Flow 3:
Average throughput: 14.81 Mbit/s
95th percentile per-packet one-way delay: 75.237 ms
Loss rate: 11.26%

Run 2: Report of PCC-Allegro — Data Link

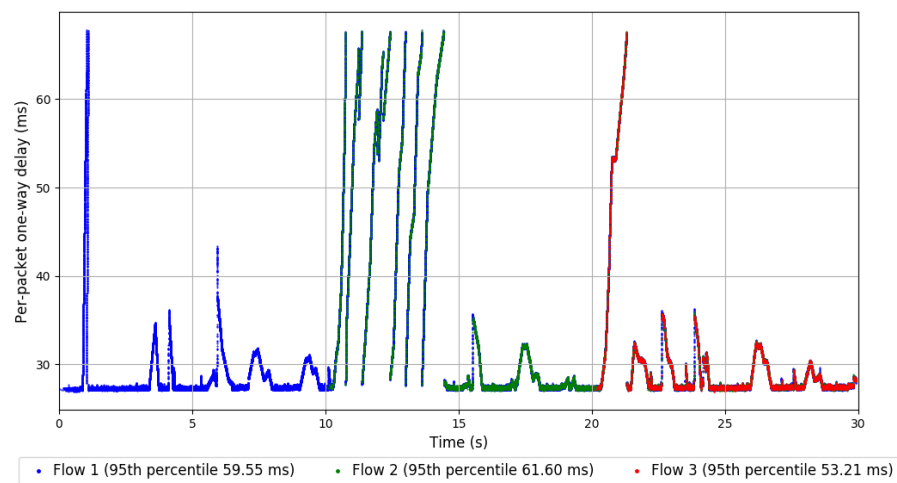
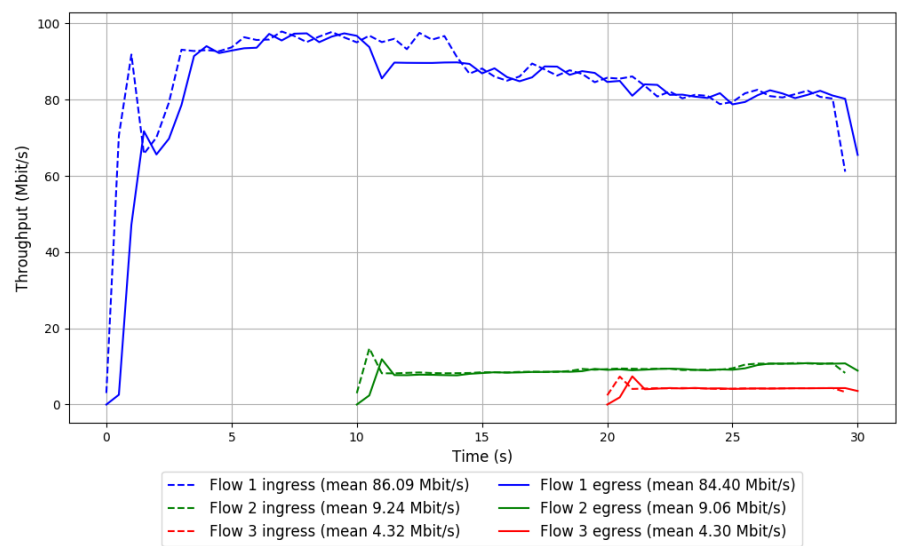


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-17 17:34:43
End at: 2018-07-17 17:35:13
Local clock offset: 0.697 ms
Remote clock offset: -8.814 ms

Below is generated by plot.py at 2018-07-17 20:41:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 59.650 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 84.40 Mbit/s
95th percentile per-packet one-way delay: 59.551 ms
Loss rate: 1.96%
-- Flow 2:
Average throughput: 9.06 Mbit/s
95th percentile per-packet one-way delay: 61.603 ms
Loss rate: 1.97%
-- Flow 3:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 53.206 ms
Loss rate: 0.41%

Run 3: Report of PCC-Allegro — Data Link

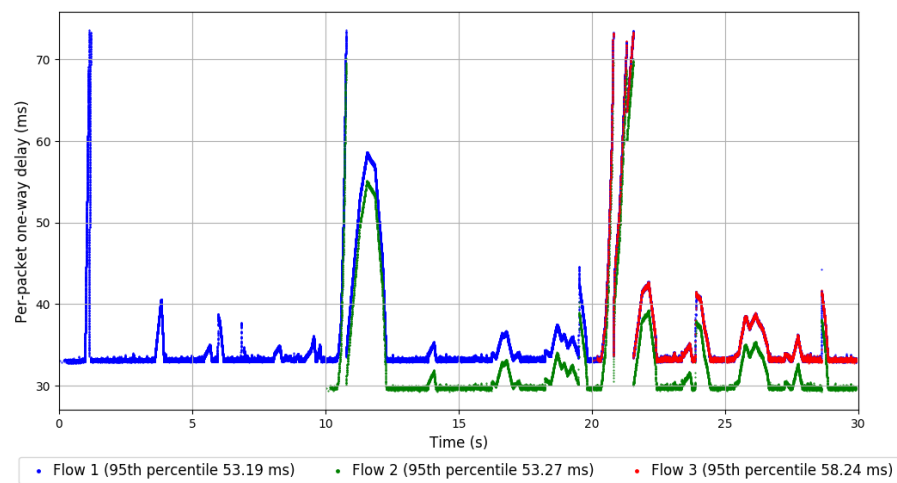
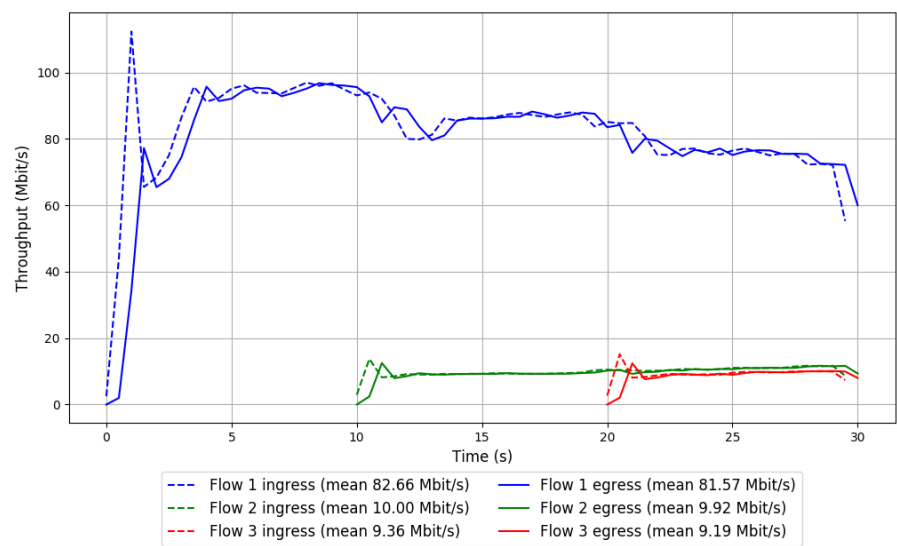


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-17 17:57:40
End at: 2018-07-17 17:58:10
Local clock offset: 0.891 ms
Remote clock offset: -4.902 ms

```
# Below is generated by plot.py at 2018-07-17 20:41:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 53.302 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 81.57 Mbit/s
95th percentile per-packet one-way delay: 53.191 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 9.92 Mbit/s
95th percentile per-packet one-way delay: 53.273 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 9.19 Mbit/s
95th percentile per-packet one-way delay: 58.237 ms
Loss rate: 1.81%
```

Run 4: Report of PCC-Allegro — Data Link

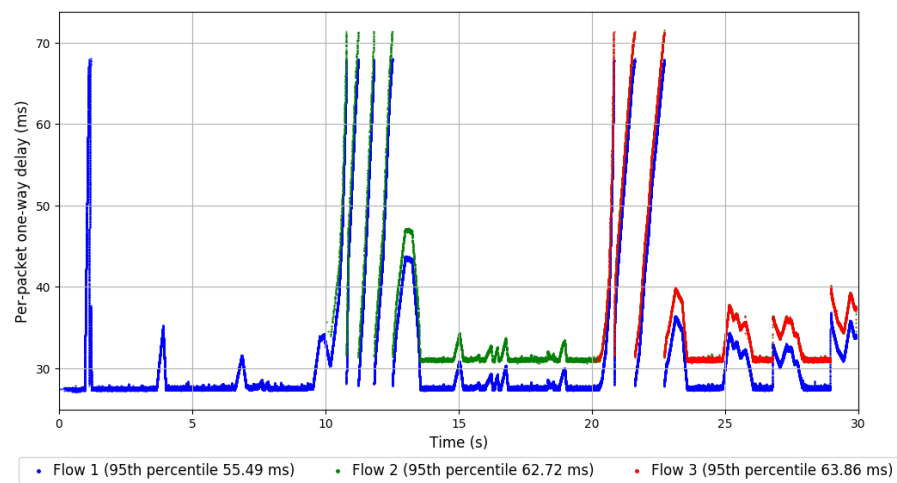
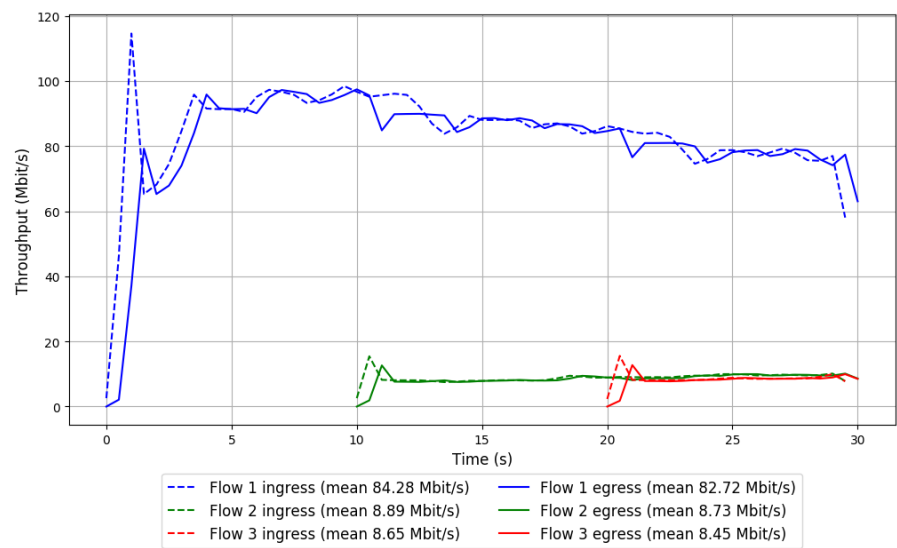


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-17 18:20:46
End at: 2018-07-17 18:21:16
Local clock offset: 0.572 ms
Remote clock offset: -9.055 ms

Below is generated by plot.py at 2018-07-17 20:41:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.31 Mbit/s
95th percentile per-packet one-way delay: 56.551 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 82.72 Mbit/s
95th percentile per-packet one-way delay: 55.493 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 8.73 Mbit/s
95th percentile per-packet one-way delay: 62.720 ms
Loss rate: 1.89%
-- Flow 3:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 63.857 ms
Loss rate: 2.29%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-17 18:43:38

End at: 2018-07-17 18:44:08

Local clock offset: 0.175 ms

Remote clock offset: 0.492 ms

Below is generated by plot.py at 2018-07-17 20:41:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.87 Mbit/s

95th percentile per-packet one-way delay: 68.235 ms

Loss rate: 4.09%

-- Flow 1:

Average throughput: 78.46 Mbit/s

95th percentile per-packet one-way delay: 67.694 ms

Loss rate: 3.65%

-- Flow 2:

Average throughput: 11.22 Mbit/s

95th percentile per-packet one-way delay: 70.451 ms

Loss rate: 4.70%

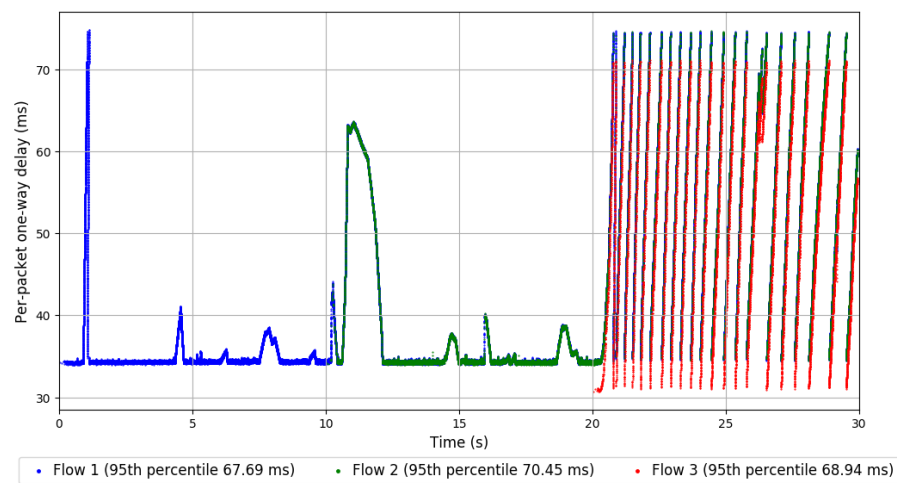
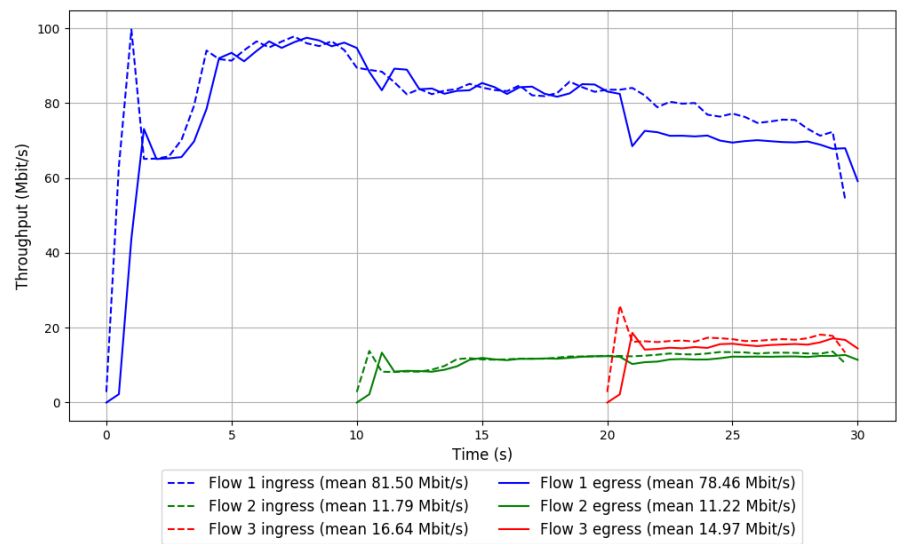
-- Flow 3:

Average throughput: 14.97 Mbit/s

95th percentile per-packet one-way delay: 68.937 ms

Loss rate: 9.78%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-17 19:06:31

End at: 2018-07-17 19:07:01

Local clock offset: 10.824 ms

Remote clock offset: 8.143 ms

Below is generated by plot.py at 2018-07-17 20:41:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.73 Mbit/s

95th percentile per-packet one-way delay: 66.522 ms

Loss rate: 2.53%

-- Flow 1:

Average throughput: 82.01 Mbit/s

95th percentile per-packet one-way delay: 65.894 ms

Loss rate: 2.50%

-- Flow 2:

Average throughput: 8.97 Mbit/s

95th percentile per-packet one-way delay: 71.483 ms

Loss rate: 2.90%

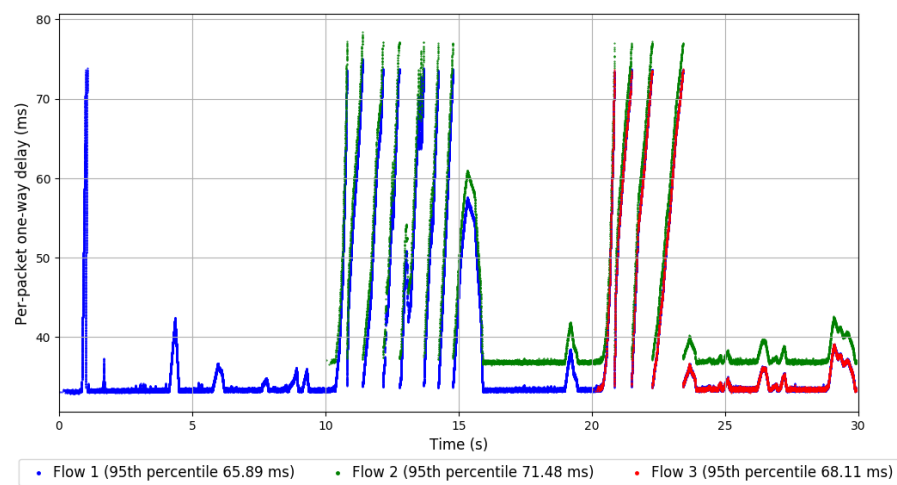
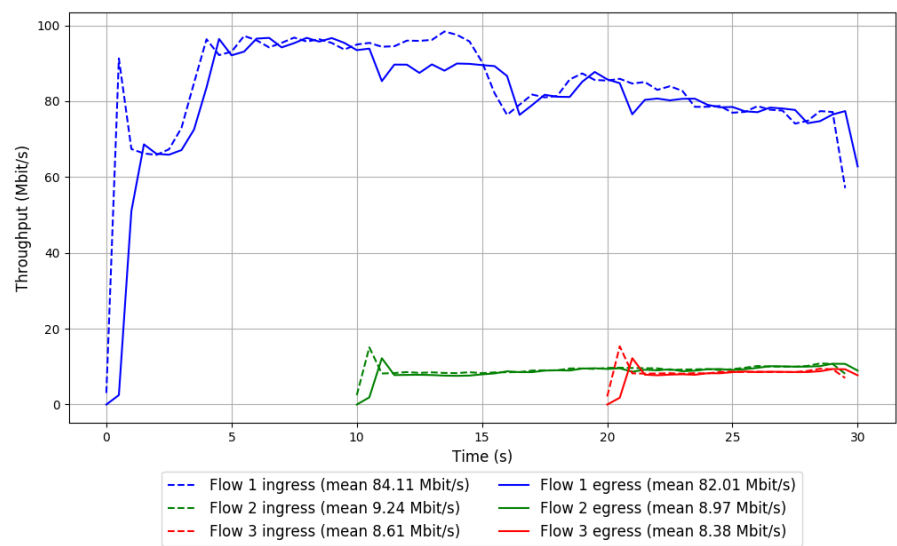
-- Flow 3:

Average throughput: 8.38 Mbit/s

95th percentile per-packet one-way delay: 68.108 ms

Loss rate: 2.68%

Run 7: Report of PCC-Allegro — Data Link

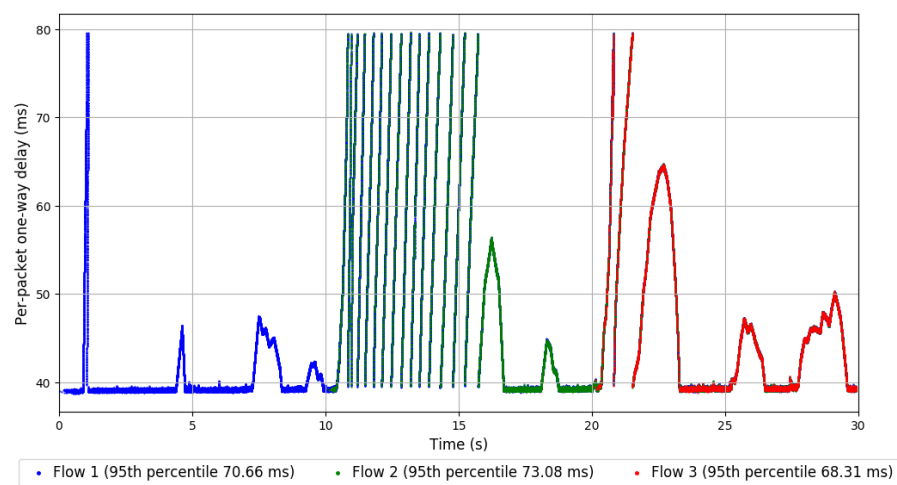
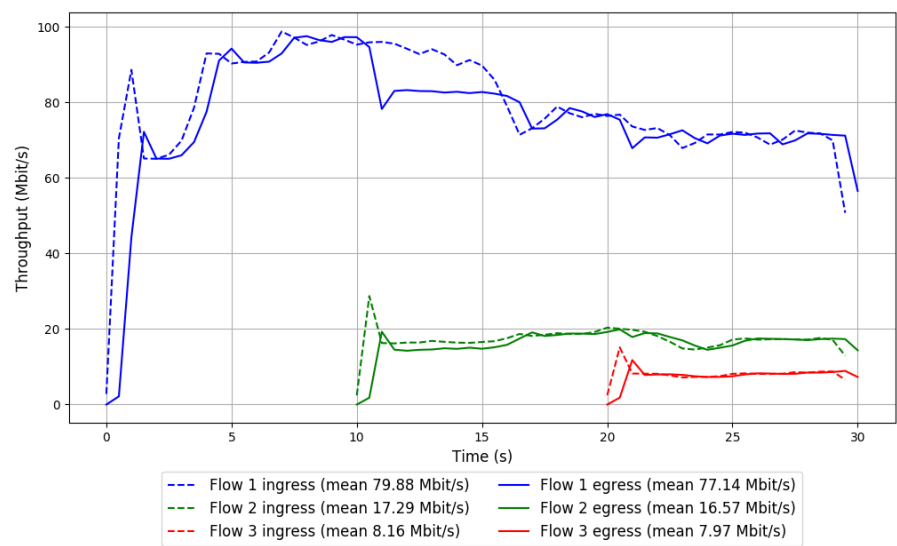


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-17 19:29:27
End at: 2018-07-17 19:29:57
Local clock offset: 11.056 ms
Remote clock offset: -2.402 ms

Below is generated by plot.py at 2018-07-17 20:41:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.79 Mbit/s
95th percentile per-packet one-way delay: 71.010 ms
Loss rate: 3.49%
-- Flow 1:
Average throughput: 77.14 Mbit/s
95th percentile per-packet one-way delay: 70.657 ms
Loss rate: 3.43%
-- Flow 2:
Average throughput: 16.57 Mbit/s
95th percentile per-packet one-way delay: 73.084 ms
Loss rate: 4.12%
-- Flow 3:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 68.306 ms
Loss rate: 2.32%

Run 8: Report of PCC-Allegro — Data Link

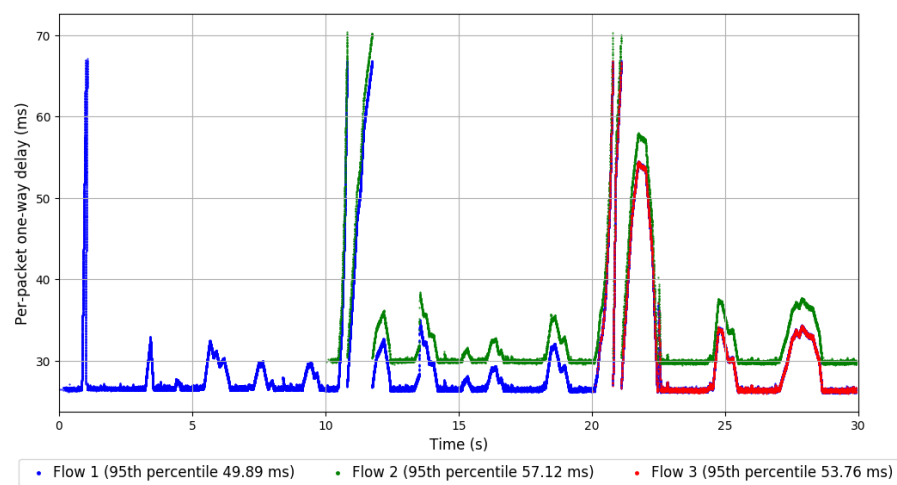
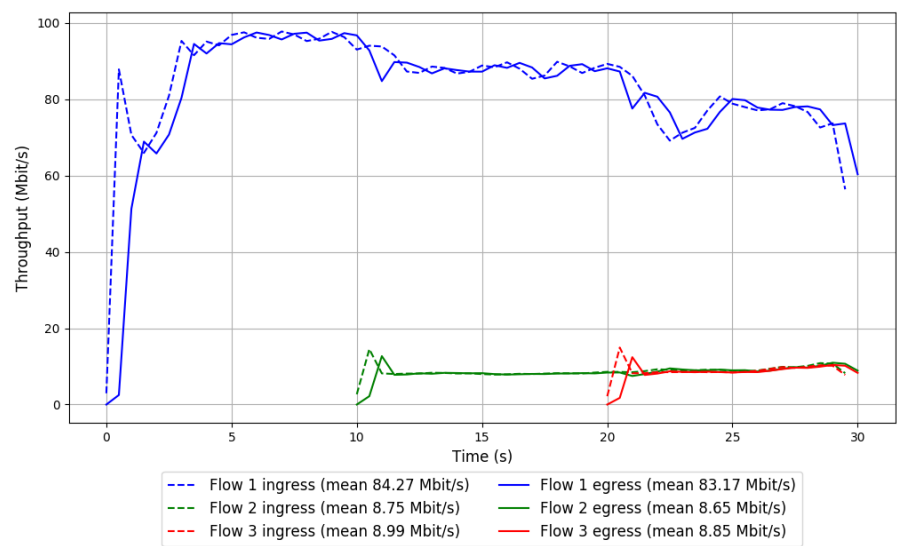


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-17 19:52:18
End at: 2018-07-17 19:52:48
Local clock offset: 6.565 ms
Remote clock offset: -10.92 ms

Below is generated by plot.py at 2018-07-17 20:41:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.83 Mbit/s
95th percentile per-packet one-way delay: 50.960 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 83.17 Mbit/s
95th percentile per-packet one-way delay: 49.892 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 8.65 Mbit/s
95th percentile per-packet one-way delay: 57.116 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 8.85 Mbit/s
95th percentile per-packet one-way delay: 53.755 ms
Loss rate: 1.56%

Run 9: Report of PCC-Allegro — Data Link

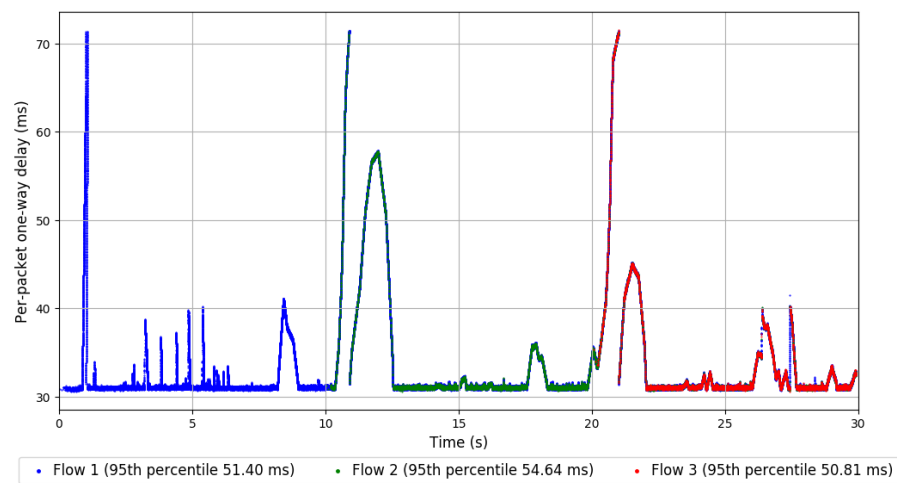
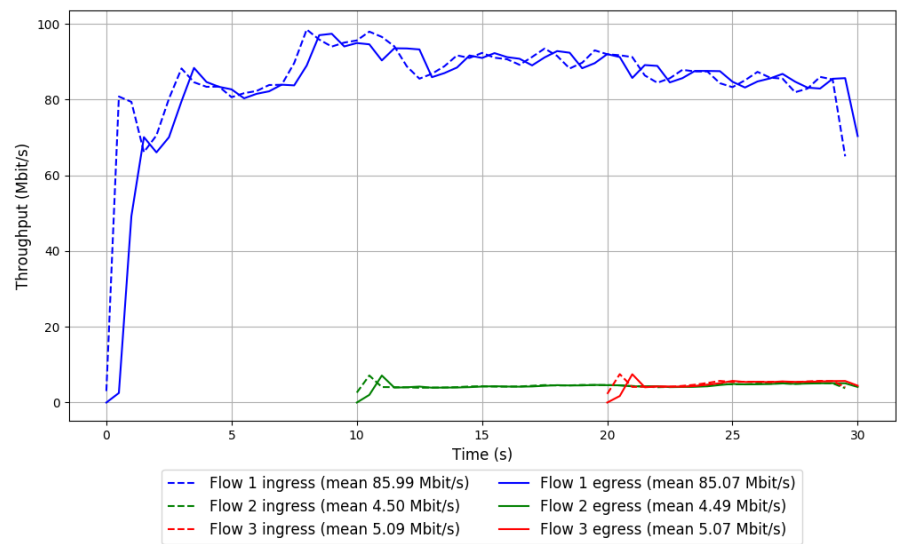


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-17 20:15:13
End at: 2018-07-17 20:15:43
Local clock offset: -1.014 ms
Remote clock offset: -6.414 ms

Below is generated by plot.py at 2018-07-17 20:41:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.73 Mbit/s
95th percentile per-packet one-way delay: 51.528 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 85.07 Mbit/s
95th percentile per-packet one-way delay: 51.402 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 54.637 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 5.07 Mbit/s
95th percentile per-packet one-way delay: 50.814 ms
Loss rate: 0.34%

Run 10: Report of PCC-Allegro — Data Link

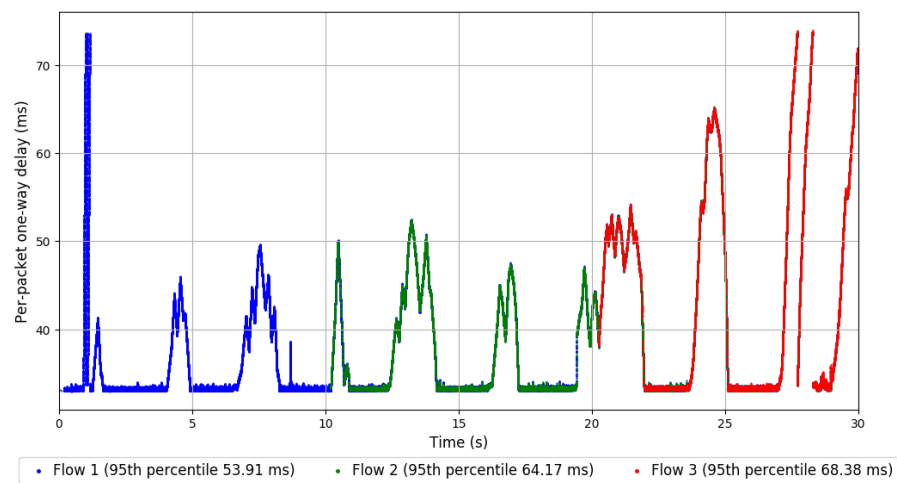
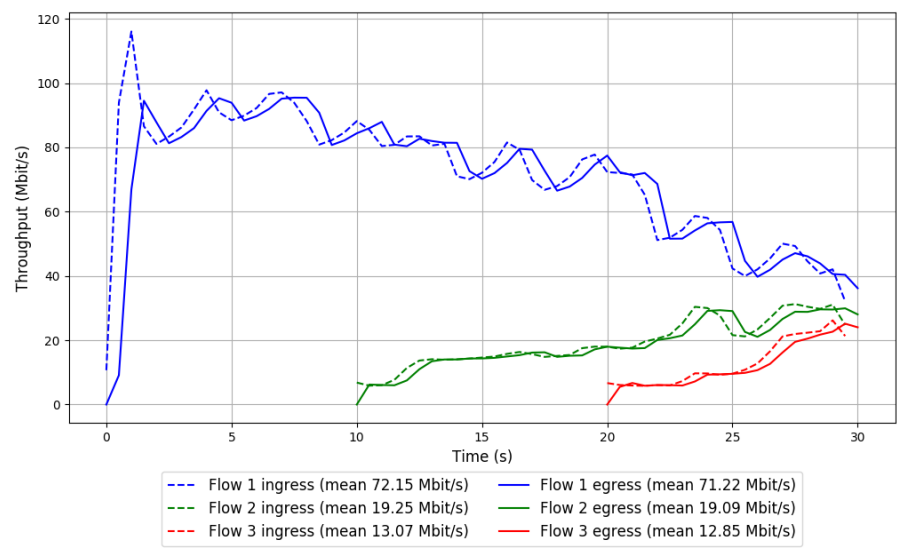


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-17 16:51:37
End at: 2018-07-17 16:52:07
Local clock offset: 0.819 ms
Remote clock offset: -21.346 ms

# Below is generated by plot.py at 2018-07-17 20:42:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.15 Mbit/s
95th percentile per-packet one-way delay: 60.530 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 71.22 Mbit/s
95th percentile per-packet one-way delay: 53.906 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 19.09 Mbit/s
95th percentile per-packet one-way delay: 64.168 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 12.85 Mbit/s
95th percentile per-packet one-way delay: 68.382 ms
Loss rate: 1.36%
```

Run 1: Report of PCC-Expr — Data Link

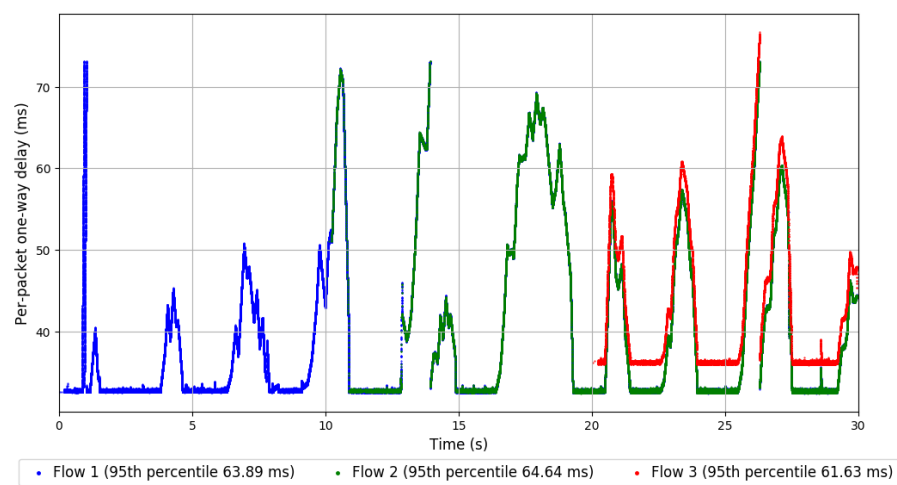
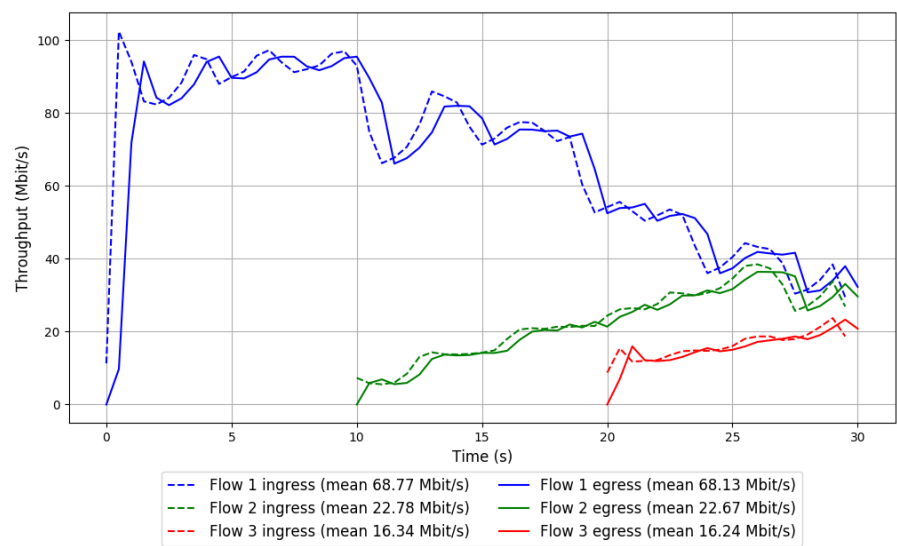


Run 2: Statistics of PCC-Expr

Start at: 2018-07-17 17:14:28
End at: 2018-07-17 17:14:58
Local clock offset: 0.62 ms
Remote clock offset: -5.172 ms

Below is generated by plot.py at 2018-07-17 20:42:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.58 Mbit/s
95th percentile per-packet one-way delay: 63.852 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 68.13 Mbit/s
95th percentile per-packet one-way delay: 63.893 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 22.67 Mbit/s
95th percentile per-packet one-way delay: 64.642 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 16.24 Mbit/s
95th percentile per-packet one-way delay: 61.632 ms
Loss rate: 0.48%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-17 17:37:24

End at: 2018-07-17 17:37:54

Local clock offset: 0.814 ms

Remote clock offset: -2.41 ms

Below is generated by plot.py at 2018-07-17 20:42:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.98 Mbit/s

95th percentile per-packet one-way delay: 68.239 ms

Loss rate: 1.89%

-- Flow 1:

Average throughput: 70.38 Mbit/s

95th percentile per-packet one-way delay: 67.593 ms

Loss rate: 2.01%

-- Flow 2:

Average throughput: 23.41 Mbit/s

95th percentile per-packet one-way delay: 69.674 ms

Loss rate: 1.54%

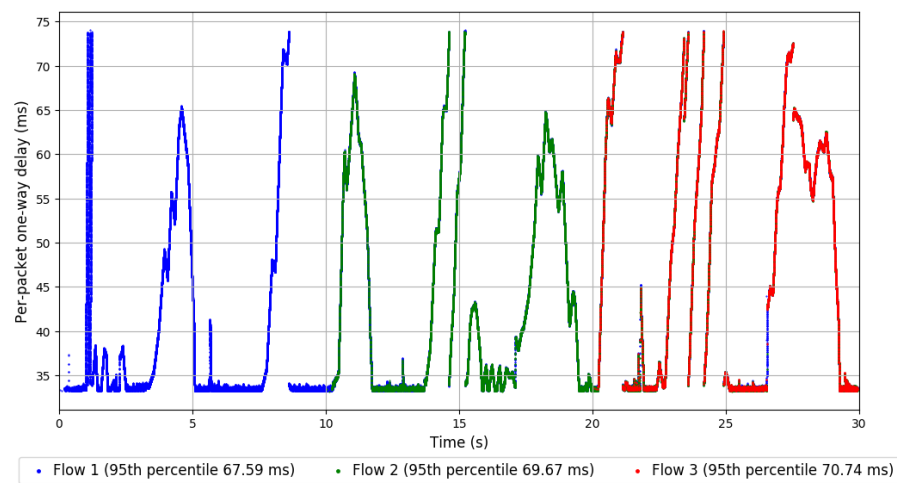
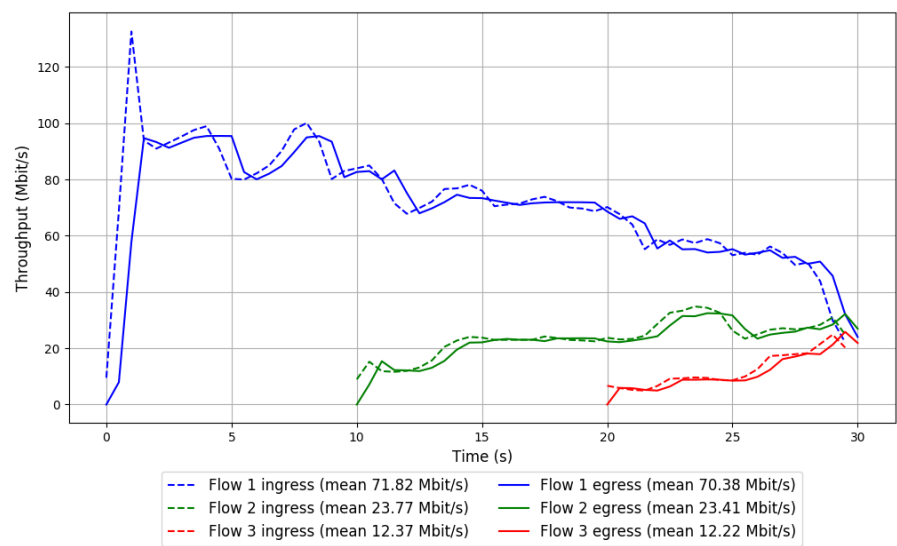
-- Flow 3:

Average throughput: 12.22 Mbit/s

95th percentile per-packet one-way delay: 70.736 ms

Loss rate: 1.26%

Run 3: Report of PCC-Expr — Data Link

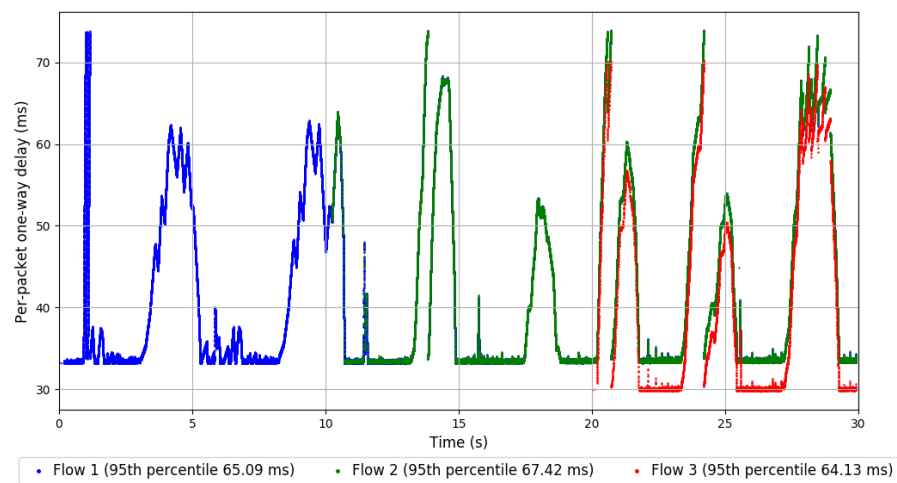
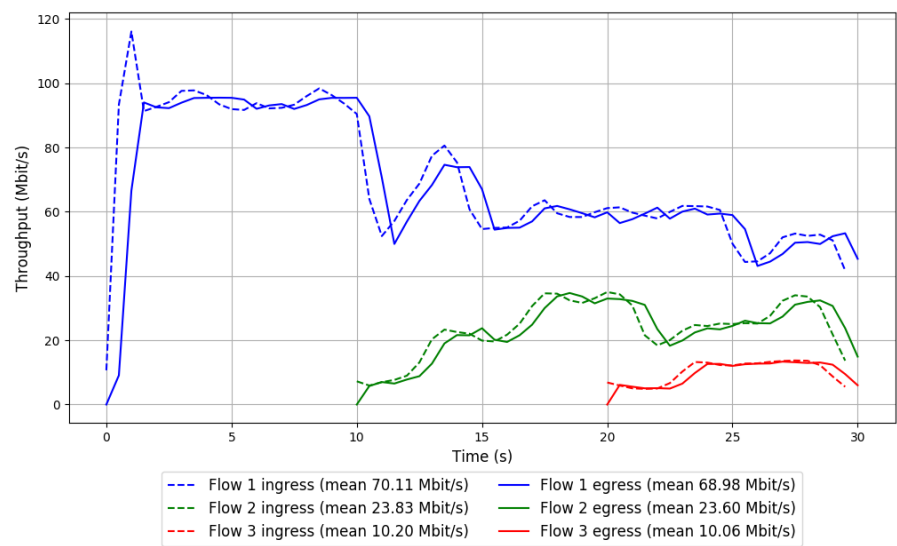


Run 4: Statistics of PCC-Expr

Start at: 2018-07-17 18:00:21
End at: 2018-07-17 18:00:51
Local clock offset: 0.922 ms
Remote clock offset: -4.424 ms

Below is generated by plot.py at 2018-07-17 20:42:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.99 Mbit/s
95th percentile per-packet one-way delay: 65.580 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 68.98 Mbit/s
95th percentile per-packet one-way delay: 65.086 ms
Loss rate: 1.61%
-- Flow 2:
Average throughput: 23.60 Mbit/s
95th percentile per-packet one-way delay: 67.416 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 10.06 Mbit/s
95th percentile per-packet one-way delay: 64.130 ms
Loss rate: 1.38%

Run 4: Report of PCC-Expr — Data Link

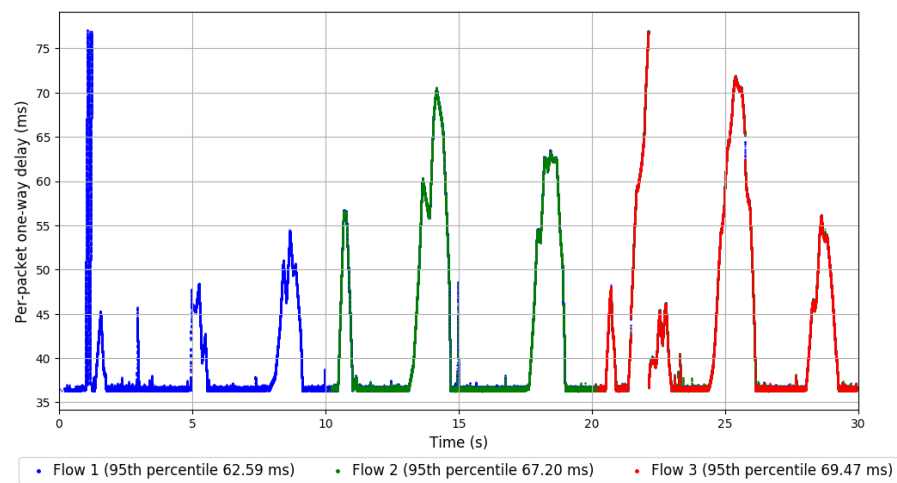
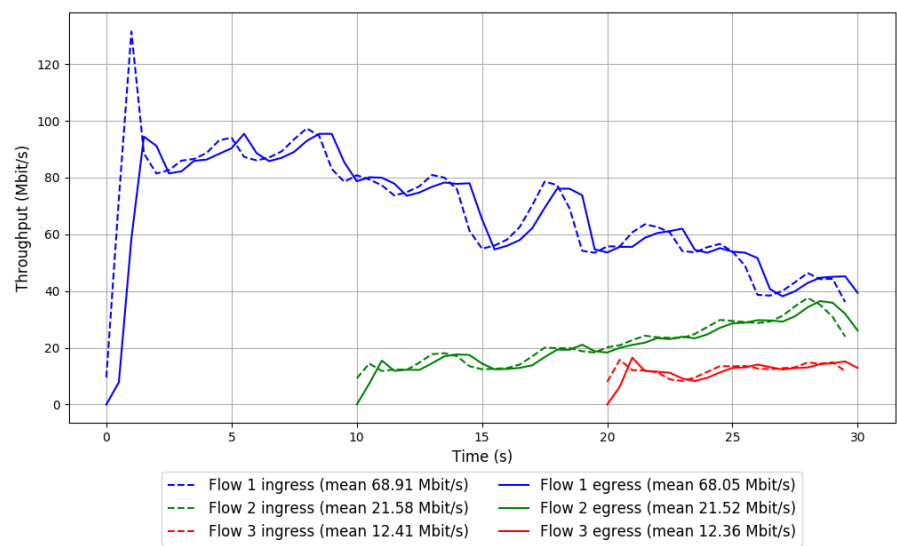


Run 5: Statistics of PCC-Expr

Start at: 2018-07-17 18:23:28
End at: 2018-07-17 18:23:58
Local clock offset: 0.523 ms
Remote clock offset: -3.485 ms

Below is generated by plot.py at 2018-07-17 20:42:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.45 Mbit/s
95th percentile per-packet one-way delay: 63.795 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 68.05 Mbit/s
95th percentile per-packet one-way delay: 62.587 ms
Loss rate: 1.24%
-- Flow 2:
Average throughput: 21.52 Mbit/s
95th percentile per-packet one-way delay: 67.201 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 12.36 Mbit/s
95th percentile per-packet one-way delay: 69.474 ms
Loss rate: 0.42%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-17 18:46:20

End at: 2018-07-17 18:46:50

Local clock offset: 0.156 ms

Remote clock offset: 1.655 ms

Below is generated by plot.py at 2018-07-17 20:43:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.65 Mbit/s

95th percentile per-packet one-way delay: 66.695 ms

Loss rate: 1.34%

-- Flow 1:

Average throughput: 70.12 Mbit/s

95th percentile per-packet one-way delay: 65.025 ms

Loss rate: 1.41%

-- Flow 2:

Average throughput: 23.58 Mbit/s

95th percentile per-packet one-way delay: 68.853 ms

Loss rate: 1.04%

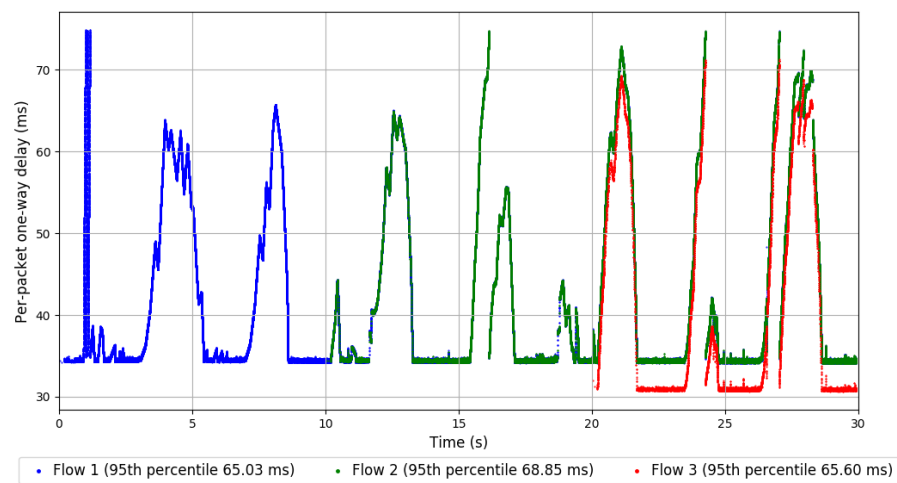
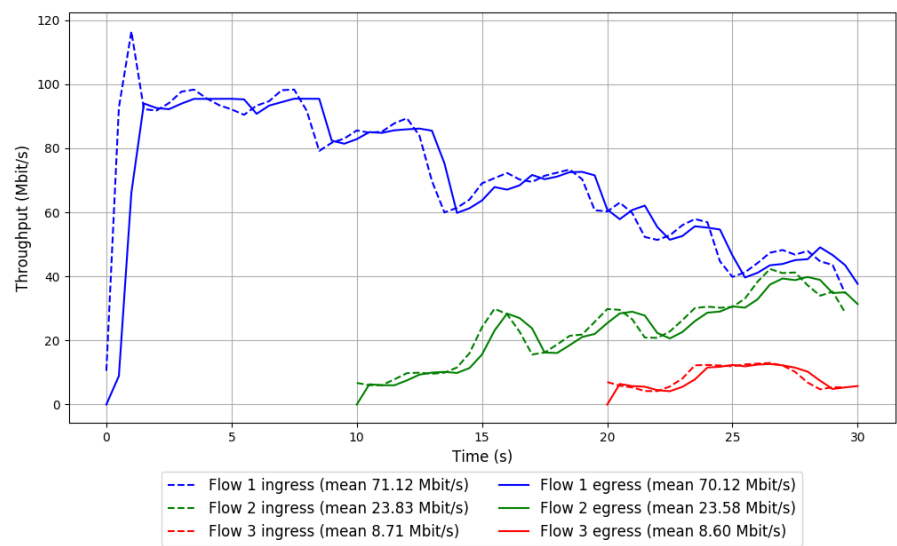
-- Flow 3:

Average throughput: 8.60 Mbit/s

95th percentile per-packet one-way delay: 65.604 ms

Loss rate: 1.34%

Run 6: Report of PCC-Expr — Data Link

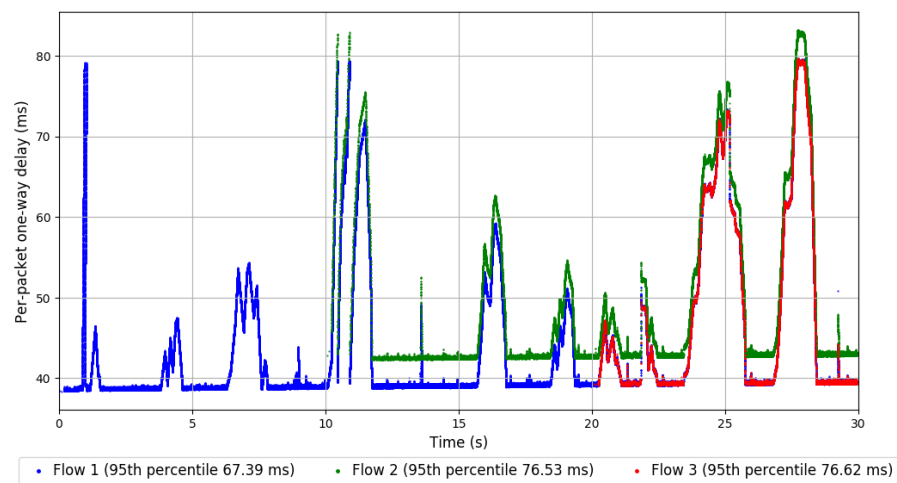
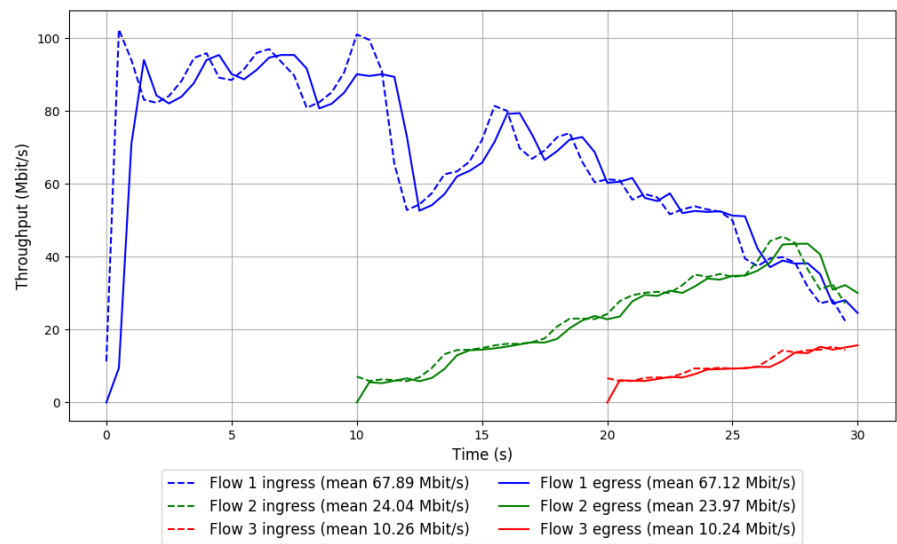


Run 7: Statistics of PCC-Expr

Start at: 2018-07-17 19:09:12
End at: 2018-07-17 19:09:42
Local clock offset: 11.515 ms
Remote clock offset: 13.271 ms

Below is generated by plot.py at 2018-07-17 20:43:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.44 Mbit/s
95th percentile per-packet one-way delay: 69.978 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 67.12 Mbit/s
95th percentile per-packet one-way delay: 67.394 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 76.532 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 10.24 Mbit/s
95th percentile per-packet one-way delay: 76.617 ms
Loss rate: 0.13%

Run 7: Report of PCC-Expr — Data Link

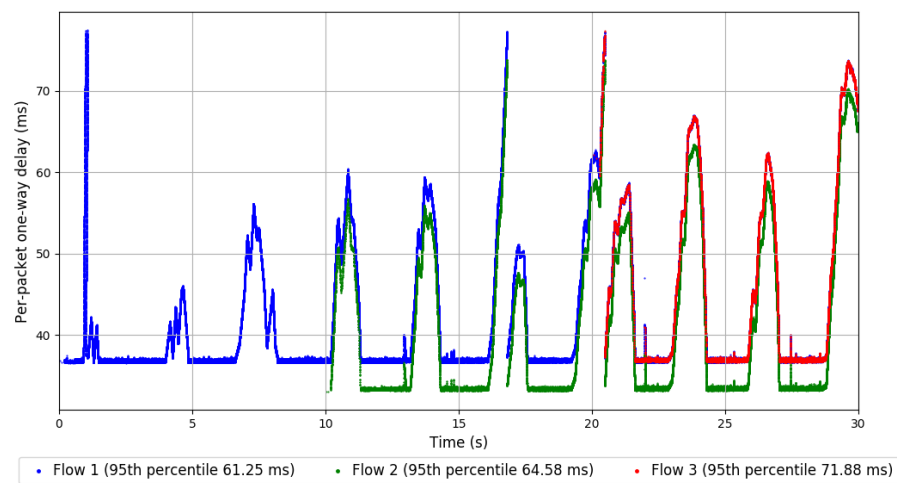
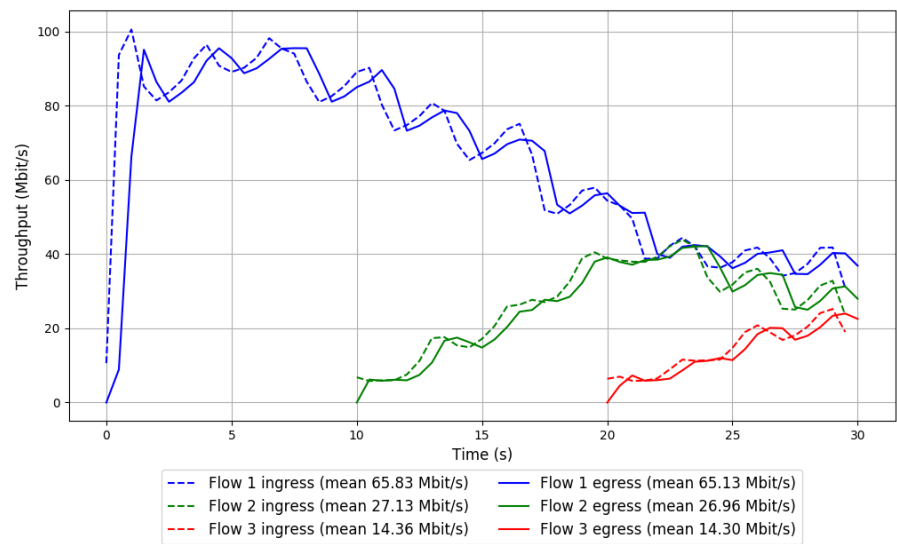


Run 8: Statistics of PCC-Expr

Start at: 2018-07-17 19:32:07
End at: 2018-07-17 19:32:37
Local clock offset: 10.985 ms
Remote clock offset: -5.221 ms

Below is generated by plot.py at 2018-07-17 20:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.79 Mbit/s
95th percentile per-packet one-way delay: 62.899 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 65.13 Mbit/s
95th percentile per-packet one-way delay: 61.249 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 26.96 Mbit/s
95th percentile per-packet one-way delay: 64.580 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 14.30 Mbit/s
95th percentile per-packet one-way delay: 71.883 ms
Loss rate: 0.33%

Run 8: Report of PCC-Expr — Data Link

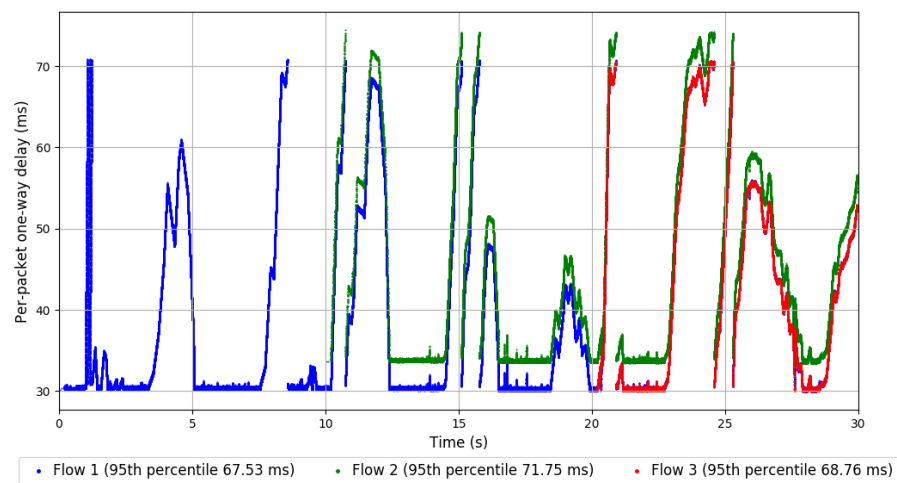
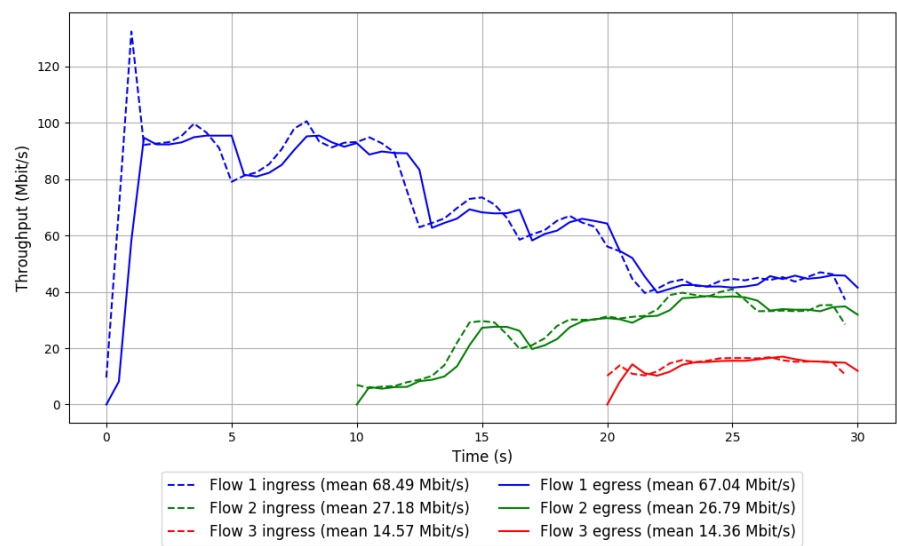


Run 9: Statistics of PCC-Expr

Start at: 2018-07-17 19:55:00
End at: 2018-07-17 19:55:30
Local clock offset: 4.714 ms
Remote clock offset: -7.056 ms

Below is generated by plot.py at 2018-07-17 20:44:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.61 Mbit/s
95th percentile per-packet one-way delay: 68.194 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 67.04 Mbit/s
95th percentile per-packet one-way delay: 67.526 ms
Loss rate: 2.04%
-- Flow 2:
Average throughput: 26.79 Mbit/s
95th percentile per-packet one-way delay: 71.753 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 14.36 Mbit/s
95th percentile per-packet one-way delay: 68.764 ms
Loss rate: 1.25%

Run 9: Report of PCC-Expr — Data Link

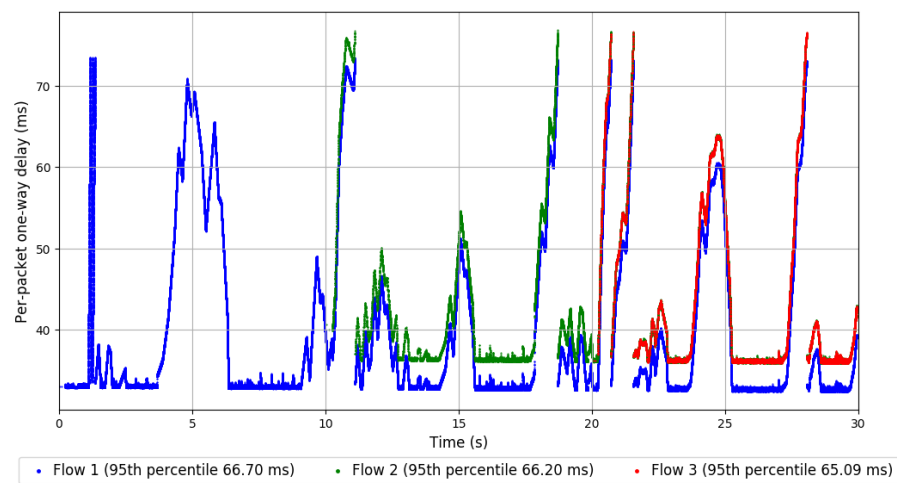
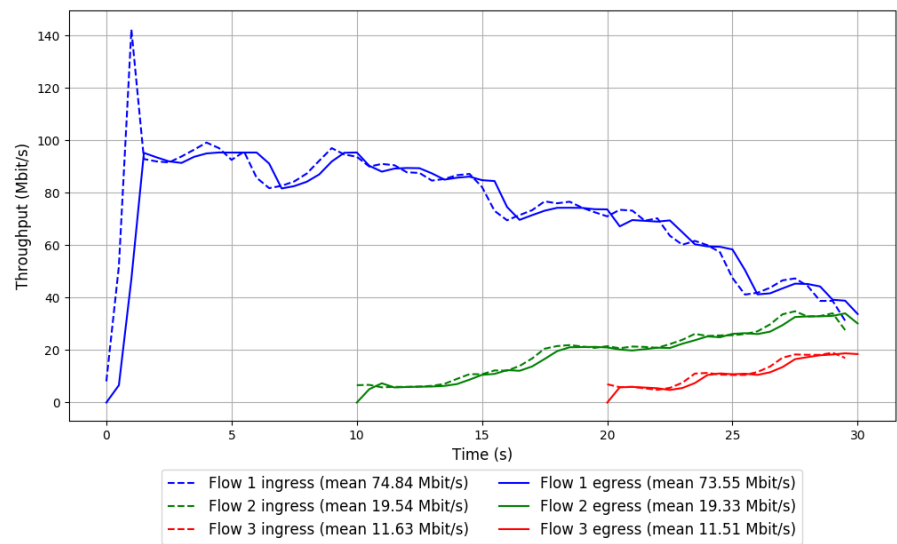


Run 10: Statistics of PCC-Expr

Start at: 2018-07-17 20:17:55
End at: 2018-07-17 20:18:25
Local clock offset: -1.189 ms
Remote clock offset: -3.337 ms

Below is generated by plot.py at 2018-07-17 20:45:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.20 Mbit/s
95th percentile per-packet one-way delay: 66.614 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 73.55 Mbit/s
95th percentile per-packet one-way delay: 66.696 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 19.33 Mbit/s
95th percentile per-packet one-way delay: 66.203 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 11.51 Mbit/s
95th percentile per-packet one-way delay: 65.094 ms
Loss rate: 1.02%

Run 10: Report of PCC-Expr — Data Link

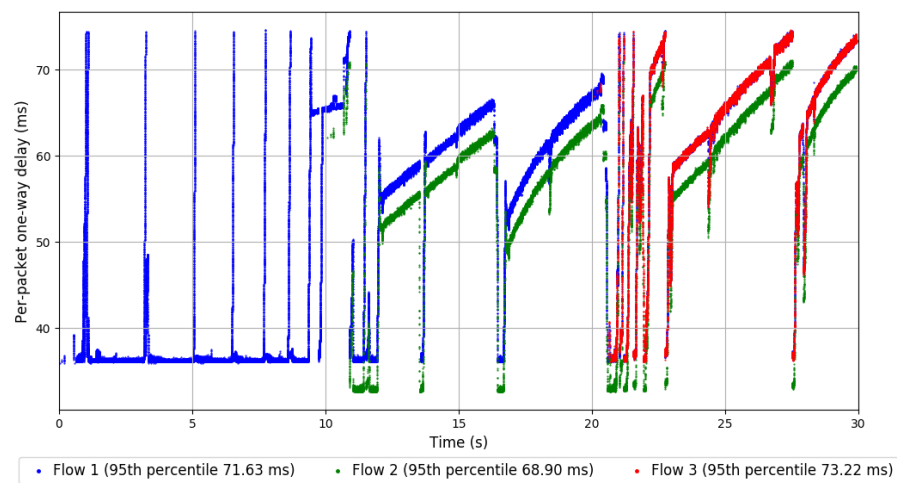
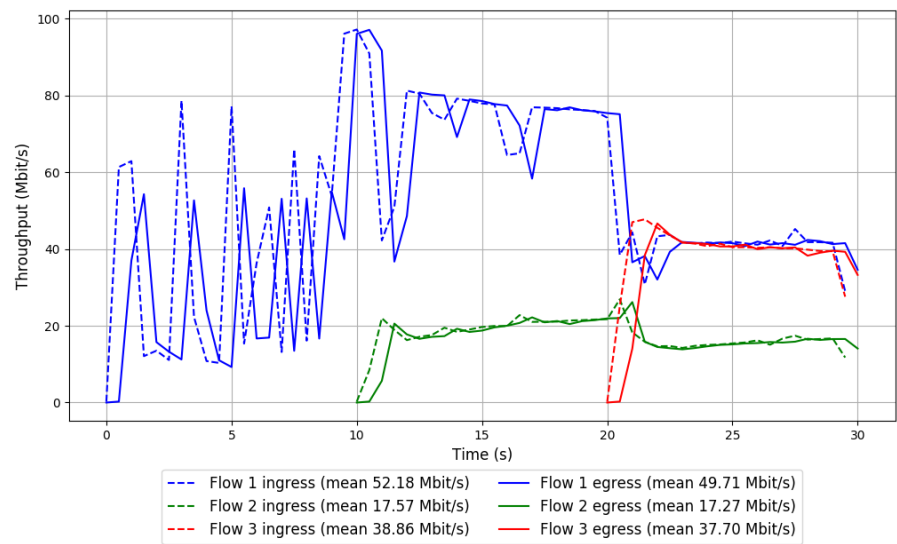


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-17 16:39:34
End at: 2018-07-17 16:40:04
Local clock offset: 1.021 ms
Remote clock offset: -16.865 ms

Below is generated by plot.py at 2018-07-17 20:45:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.55 Mbit/s
95th percentile per-packet one-way delay: 72.191 ms
Loss rate: 3.90%
-- Flow 1:
Average throughput: 49.71 Mbit/s
95th percentile per-packet one-way delay: 71.626 ms
Loss rate: 4.64%
-- Flow 2:
Average throughput: 17.27 Mbit/s
95th percentile per-packet one-way delay: 68.902 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 37.70 Mbit/s
95th percentile per-packet one-way delay: 73.225 ms
Loss rate: 2.92%

Run 1: Report of QUIC Cubic — Data Link

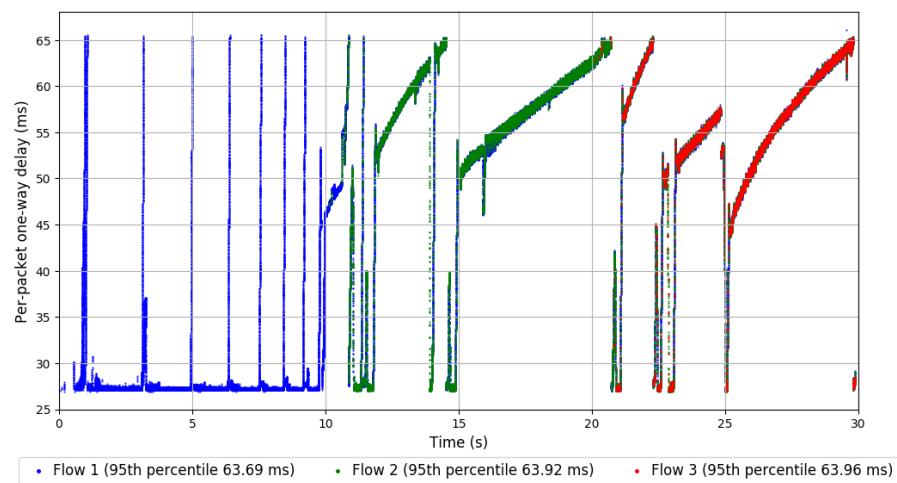
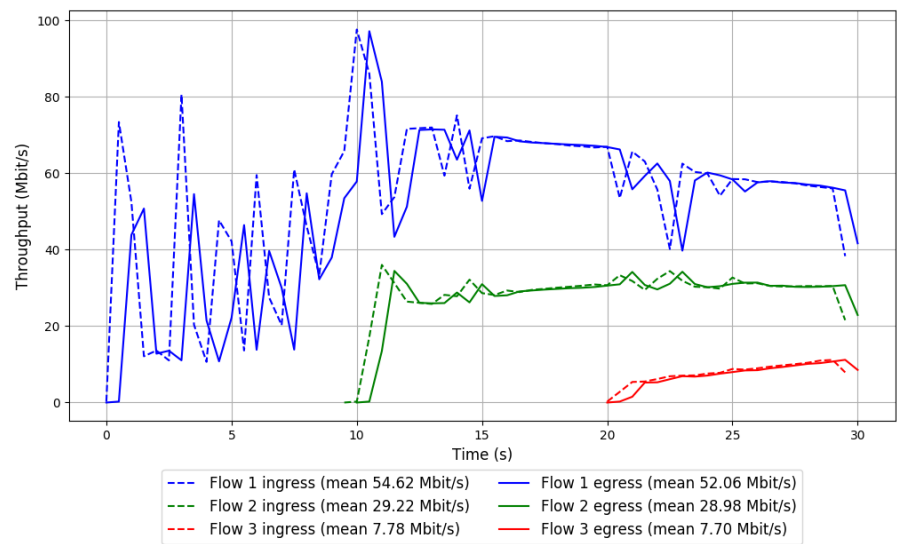


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-17 17:02:25
End at: 2018-07-17 17:02:55
Local clock offset: 0.683 ms
Remote clock offset: -14.447 ms

Below is generated by plot.py at 2018-07-17 20:45:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.84 Mbit/s
95th percentile per-packet one-way delay: 63.757 ms
Loss rate: 3.61%
-- Flow 1:
Average throughput: 52.06 Mbit/s
95th percentile per-packet one-way delay: 63.687 ms
Loss rate: 4.67%
-- Flow 2:
Average throughput: 28.98 Mbit/s
95th percentile per-packet one-way delay: 63.918 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 7.70 Mbit/s
95th percentile per-packet one-way delay: 63.960 ms
Loss rate: 1.37%

Run 2: Report of QUIC Cubic — Data Link

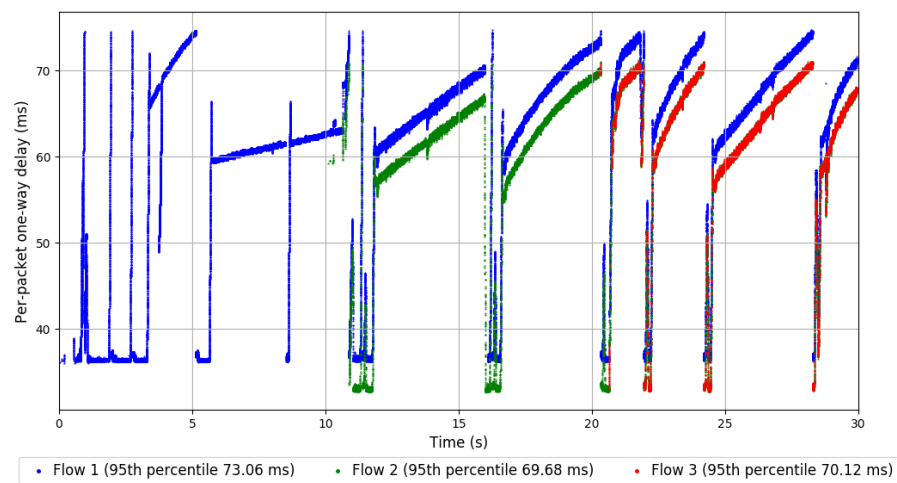
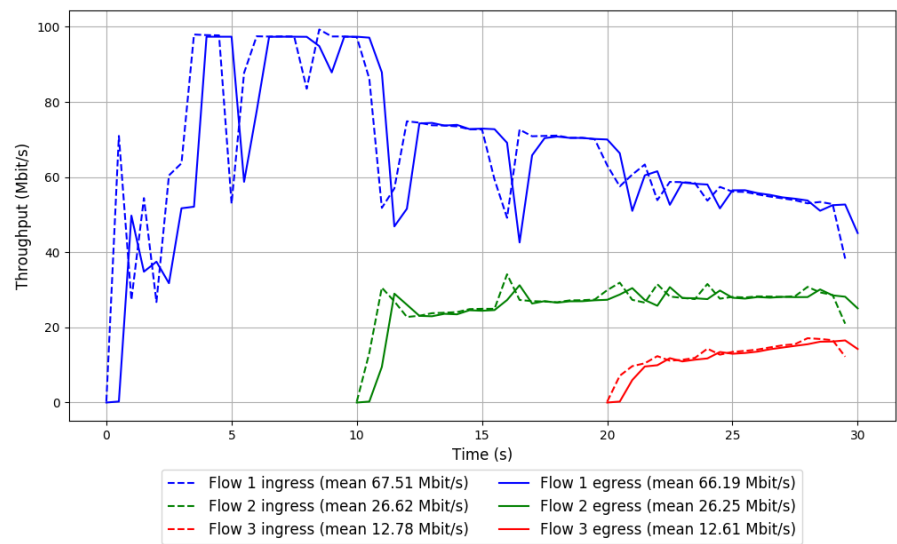


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-17 17:25:17
End at: 2018-07-17 17:25:47
Local clock offset: 0.696 ms
Remote clock offset: -3.247 ms

Below is generated by plot.py at 2018-07-17 20:45:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.76 Mbit/s
95th percentile per-packet one-way delay: 72.761 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 66.19 Mbit/s
95th percentile per-packet one-way delay: 73.063 ms
Loss rate: 1.85%
-- Flow 2:
Average throughput: 26.25 Mbit/s
95th percentile per-packet one-way delay: 69.683 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 70.119 ms
Loss rate: 1.38%

Run 3: Report of QUIC Cubic — Data Link

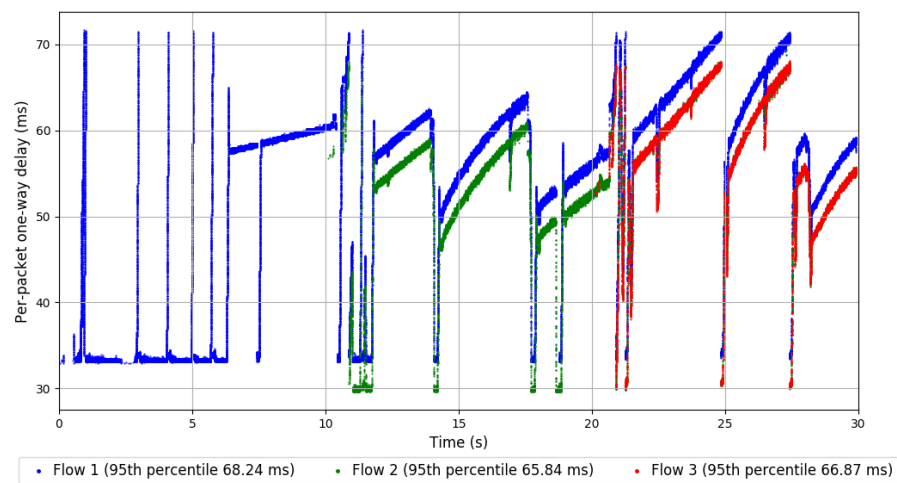
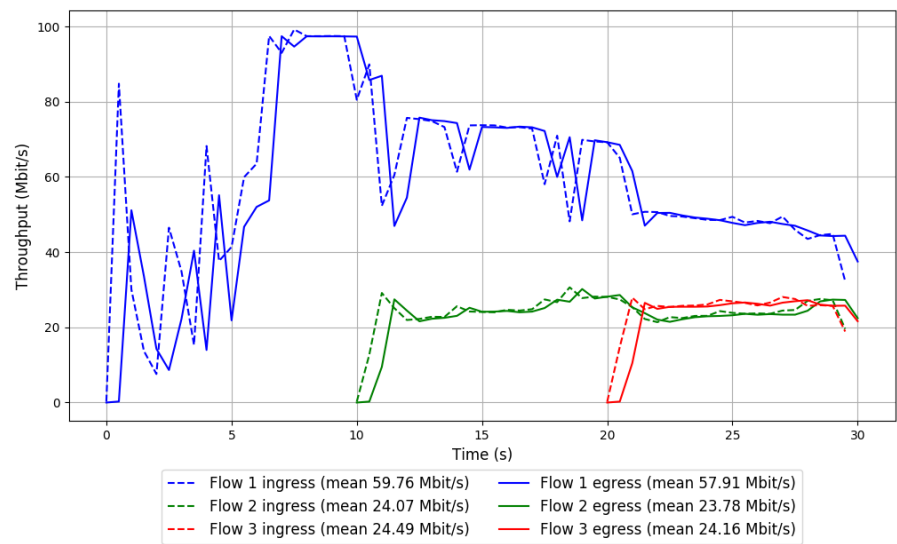


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-17 17:48:14
End at: 2018-07-17 17:48:44
Local clock offset: 0.85 ms
Remote clock offset: -5.316 ms

Below is generated by plot.py at 2018-07-17 20:45:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.64 Mbit/s
95th percentile per-packet one-way delay: 67.189 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 57.91 Mbit/s
95th percentile per-packet one-way delay: 68.242 ms
Loss rate: 3.01%
-- Flow 2:
Average throughput: 23.78 Mbit/s
95th percentile per-packet one-way delay: 65.842 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 66.871 ms
Loss rate: 1.34%

Run 4: Report of QUIC Cubic — Data Link

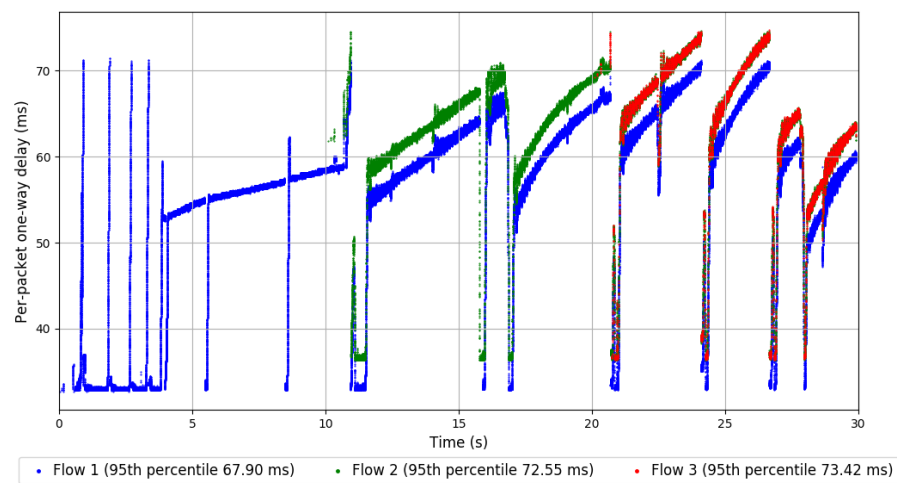
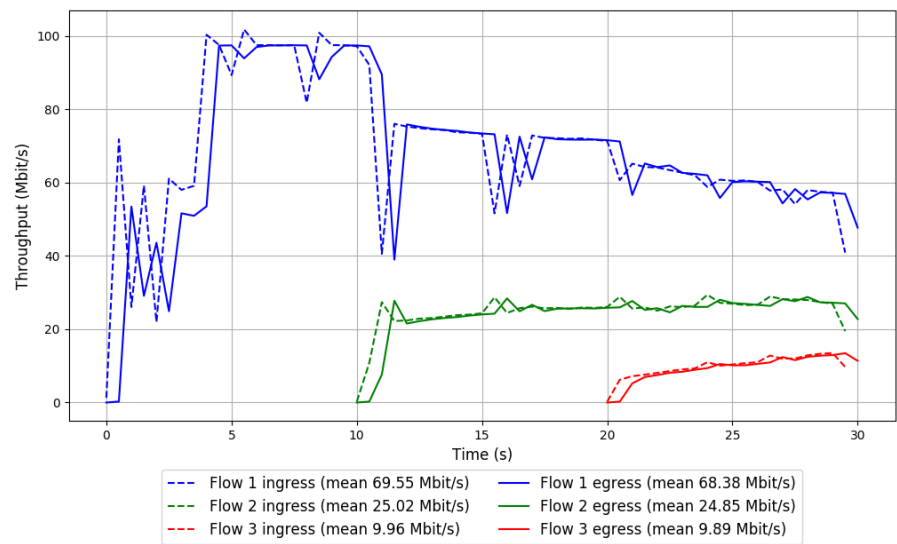


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-17 18:11:13
End at: 2018-07-17 18:11:43
Local clock offset: 0.926 ms
Remote clock offset: -3.118 ms

Below is generated by plot.py at 2018-07-17 20:45:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.11 Mbit/s
95th percentile per-packet one-way delay: 69.847 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 68.38 Mbit/s
95th percentile per-packet one-way delay: 67.897 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 24.85 Mbit/s
95th percentile per-packet one-way delay: 72.549 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 9.89 Mbit/s
95th percentile per-packet one-way delay: 73.418 ms
Loss rate: 0.80%

Run 5: Report of QUIC Cubic — Data Link

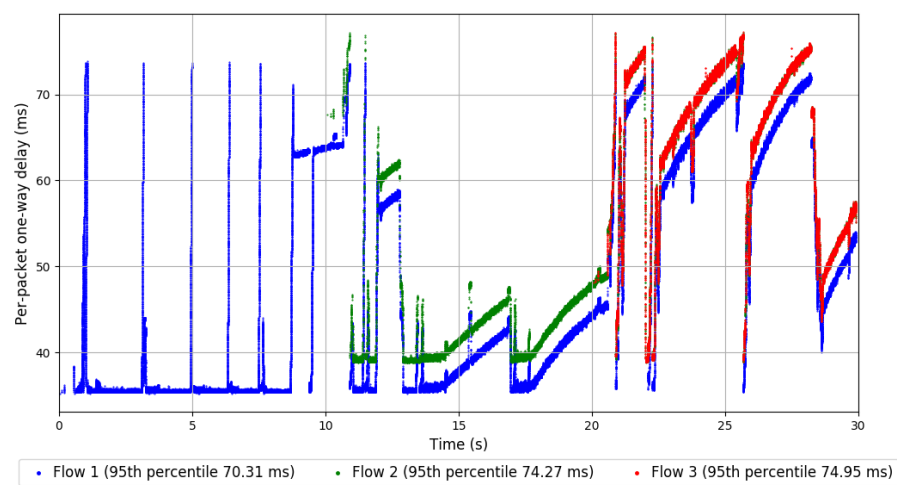
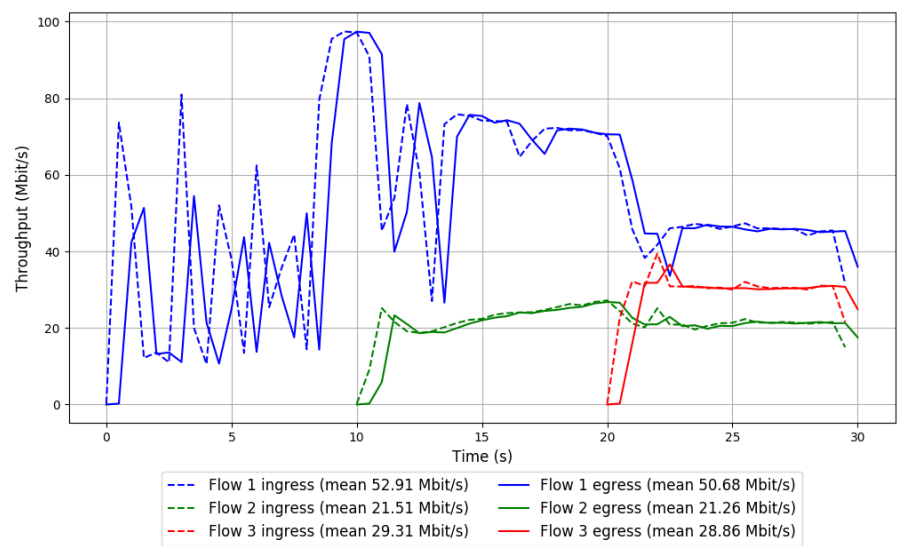


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-17 18:34:15
End at: 2018-07-17 18:34:45
Local clock offset: 0.224 ms
Remote clock offset: -0.876 ms

Below is generated by plot.py at 2018-07-17 20:45:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.30 Mbit/s
95th percentile per-packet one-way delay: 72.886 ms
Loss rate: 3.28%
-- Flow 1:
Average throughput: 50.68 Mbit/s
95th percentile per-packet one-way delay: 70.311 ms
Loss rate: 4.16%
-- Flow 2:
Average throughput: 21.26 Mbit/s
95th percentile per-packet one-way delay: 74.274 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 28.86 Mbit/s
95th percentile per-packet one-way delay: 74.952 ms
Loss rate: 1.47%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-17 18:57:09

End at: 2018-07-17 18:57:39

Local clock offset: 7.531 ms

Remote clock offset: 4.558 ms

Below is generated by plot.py at 2018-07-17 20:45:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.42 Mbit/s

95th percentile per-packet one-way delay: 71.067 ms

Loss rate: 2.72%

-- Flow 1:

Average throughput: 60.86 Mbit/s

95th percentile per-packet one-way delay: 70.954 ms

Loss rate: 3.15%

-- Flow 2:

Average throughput: 14.44 Mbit/s

95th percentile per-packet one-way delay: 71.361 ms

Loss rate: 0.89%

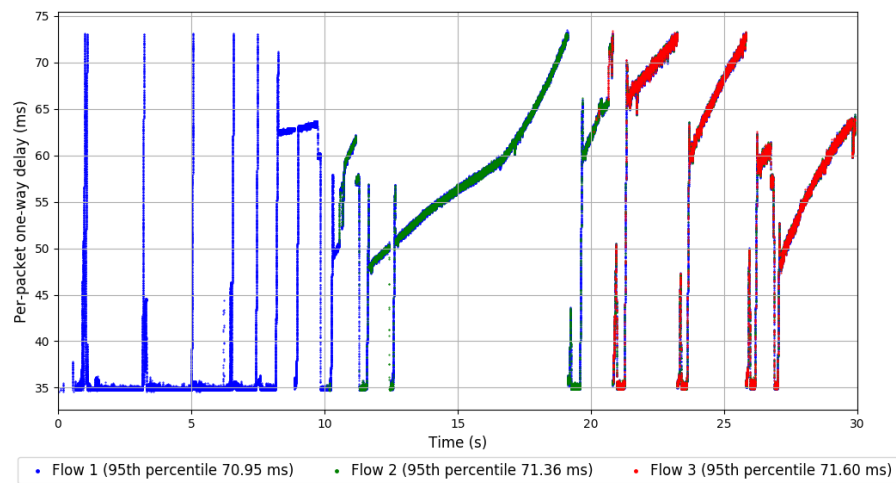
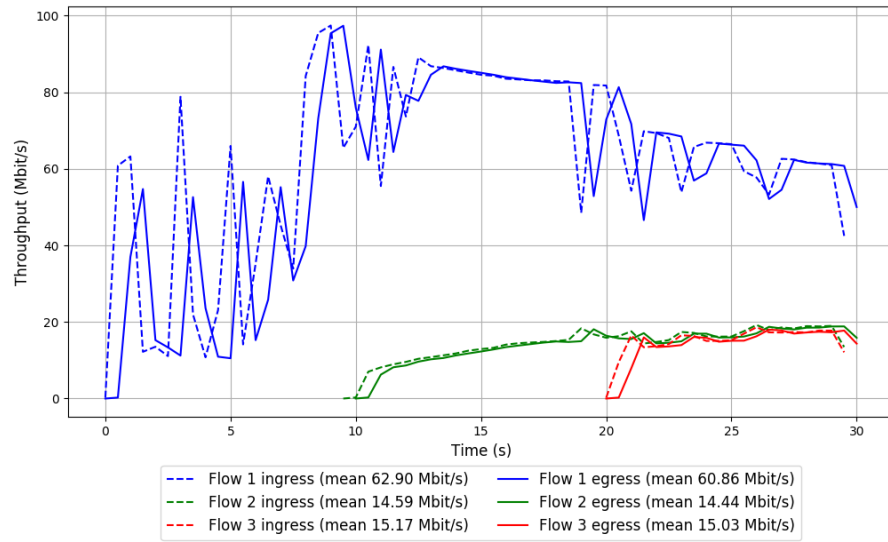
-- Flow 3:

Average throughput: 15.03 Mbit/s

95th percentile per-packet one-way delay: 71.599 ms

Loss rate: 0.93%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-17 19:20:05

End at: 2018-07-17 19:20:35

Local clock offset: 12.193 ms

Remote clock offset: 3.125 ms

Below is generated by plot.py at 2018-07-17 20:45:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.54 Mbit/s

95th percentile per-packet one-way delay: 77.583 ms

Loss rate: 2.51%

-- Flow 1:

Average throughput: 64.29 Mbit/s

95th percentile per-packet one-way delay: 77.976 ms

Loss rate: 2.81%

-- Flow 2:

Average throughput: 16.52 Mbit/s

95th percentile per-packet one-way delay: 74.993 ms

Loss rate: 1.15%

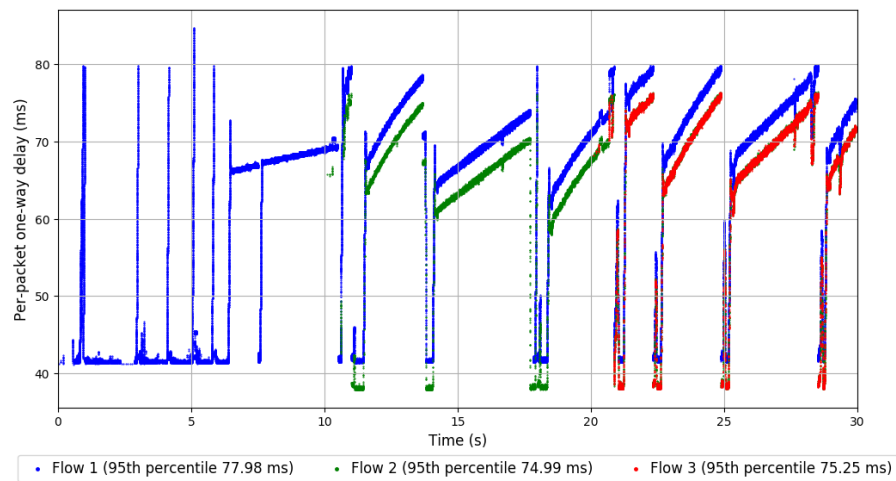
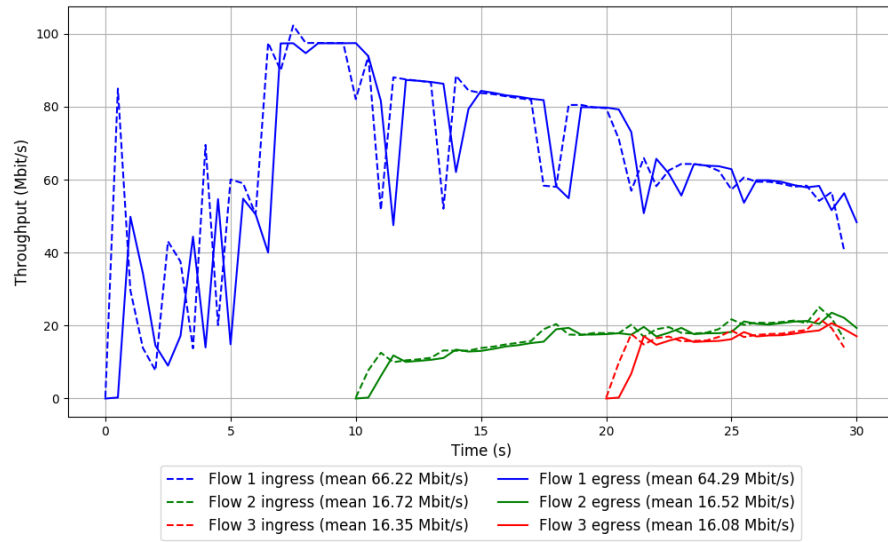
-- Flow 3:

Average throughput: 16.08 Mbit/s

95th percentile per-packet one-way delay: 75.251 ms

Loss rate: 1.62%

Run 8: Report of QUIC Cubic — Data Link

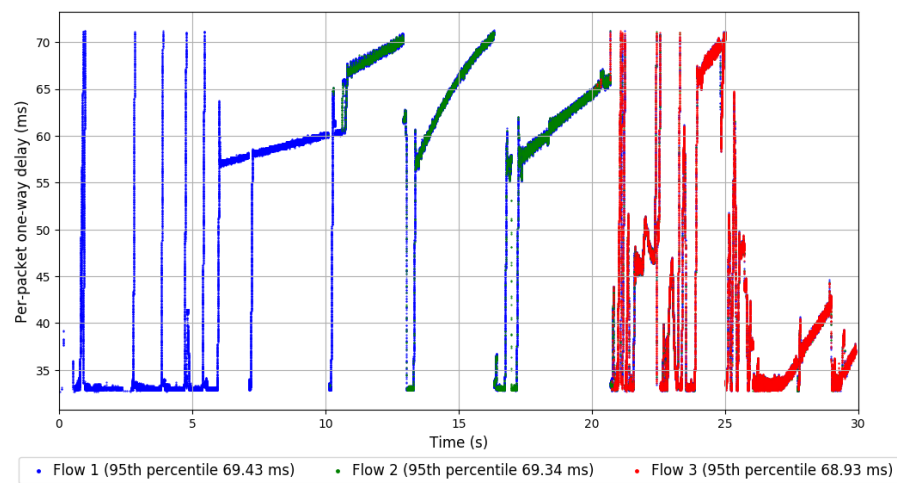
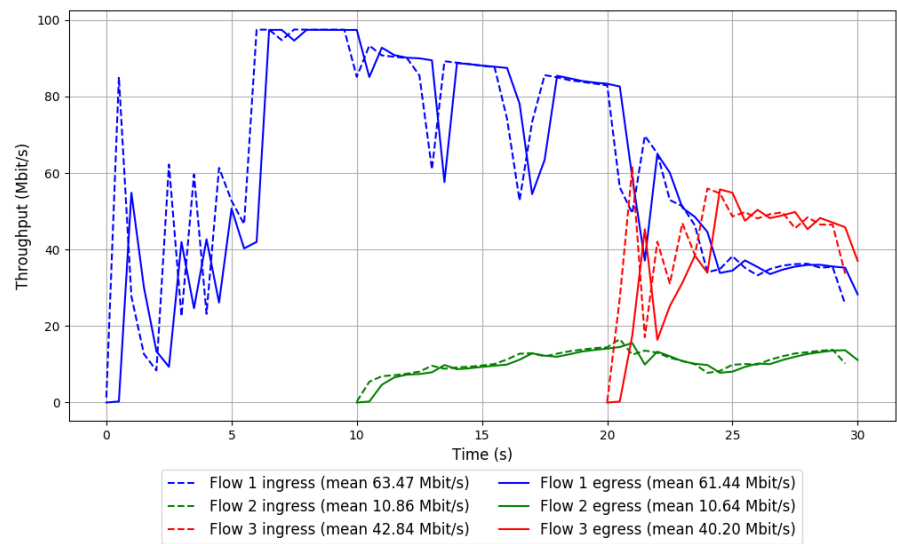


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-17 19:42:54
End at: 2018-07-17 19:43:24
Local clock offset: 11.24 ms
Remote clock offset: -6.735 ms

Below is generated by plot.py at 2018-07-17 20:45:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.67 Mbit/s
95th percentile per-packet one-way delay: 69.376 ms
Loss rate: 3.64%
-- Flow 1:
Average throughput: 61.44 Mbit/s
95th percentile per-packet one-way delay: 69.434 ms
Loss rate: 3.18%
-- Flow 2:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 69.341 ms
Loss rate: 2.16%
-- Flow 3:
Average throughput: 40.20 Mbit/s
95th percentile per-packet one-way delay: 68.929 ms
Loss rate: 6.44%

Run 9: Report of QUIC Cubic — Data Link

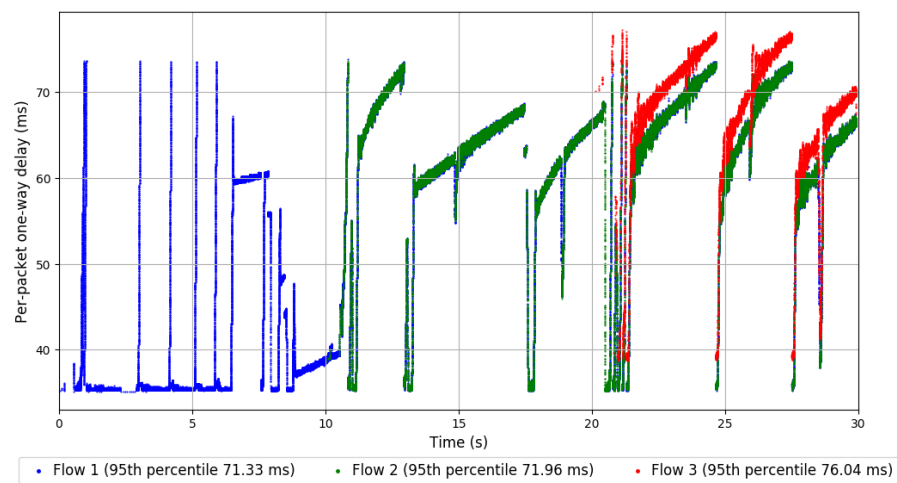
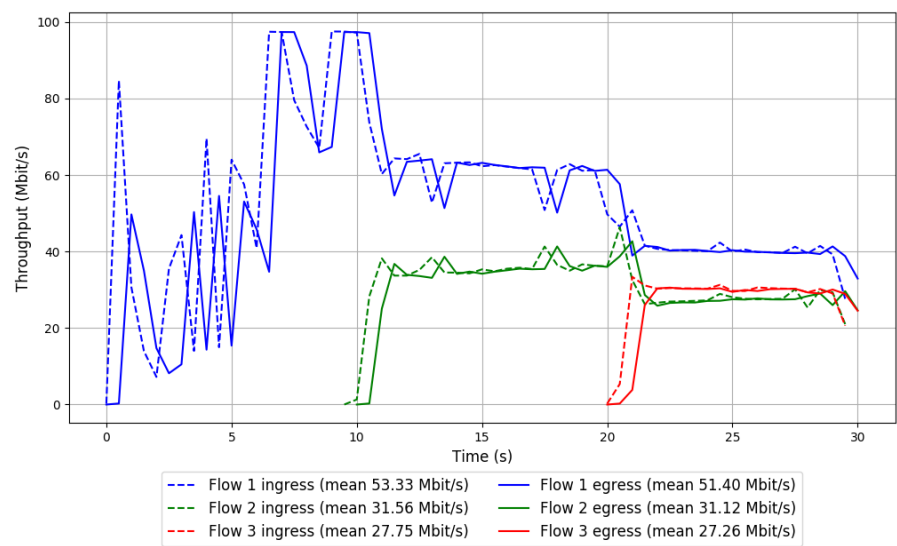


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-17 20:05:49
End at: 2018-07-17 20:06:19
Local clock offset: 0.533 ms
Remote clock offset: -1.911 ms

Below is generated by plot.py at 2018-07-17 20:45:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.05 Mbit/s
95th percentile per-packet one-way delay: 72.484 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 51.40 Mbit/s
95th percentile per-packet one-way delay: 71.326 ms
Loss rate: 3.51%
-- Flow 2:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 71.964 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 27.26 Mbit/s
95th percentile per-packet one-way delay: 76.043 ms
Loss rate: 1.78%

Run 10: Report of QUIC Cubic — Data Link

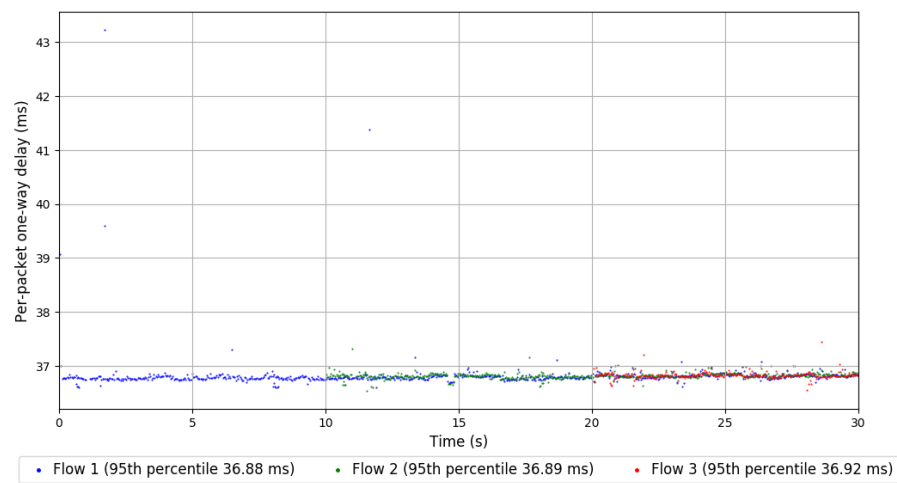
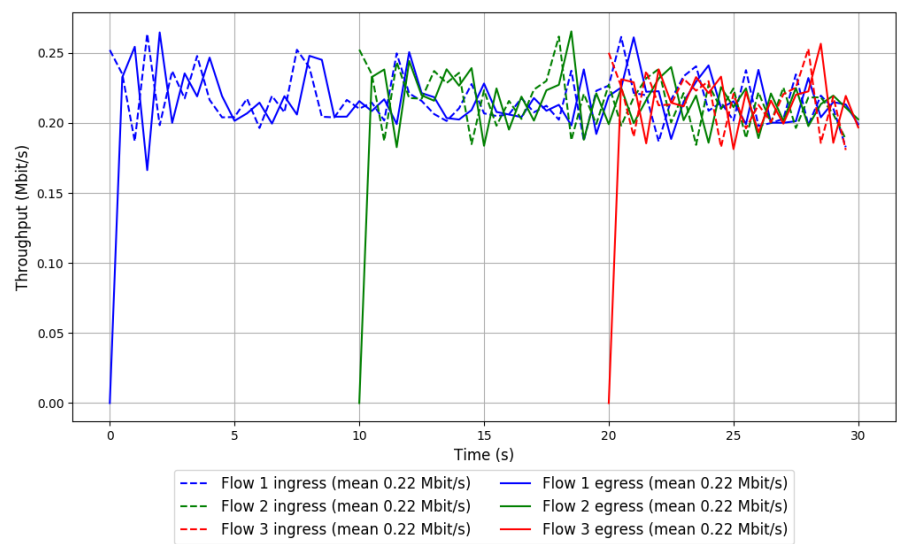


```
Run 1: Statistics of SReAM

Start at: 2018-07-17 16:42:15
End at: 2018-07-17 16:42:45
Local clock offset: 0.978 ms
Remote clock offset: -16.69 ms

# Below is generated by plot.py at 2018-07-17 20:45:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 36.896 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.878 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.894 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.920 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

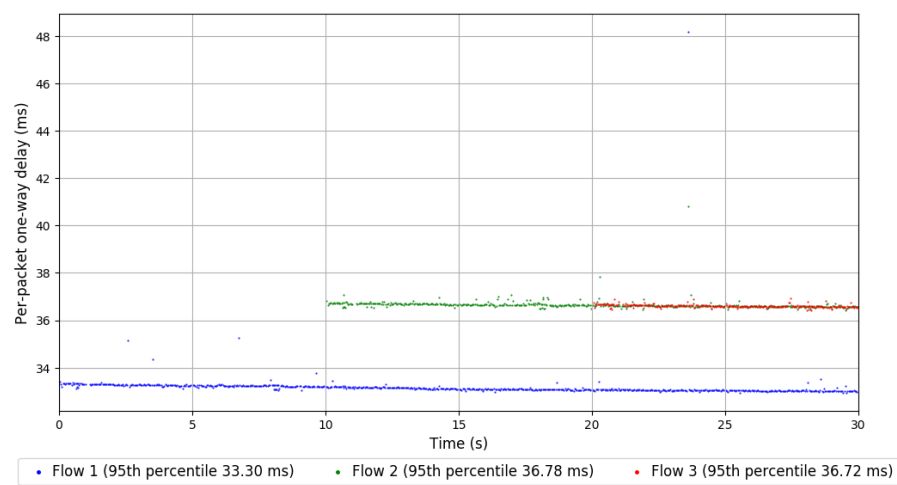
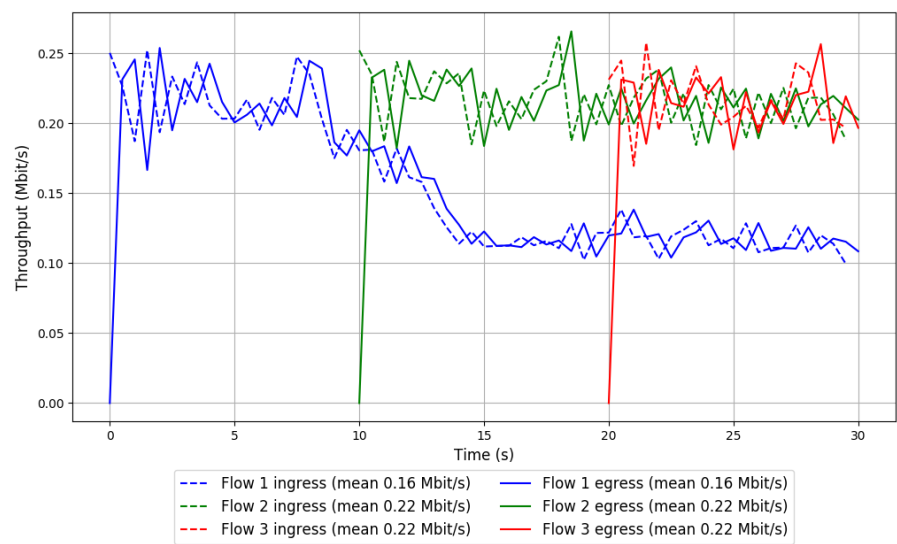


Run 2: Statistics of SReAM

Start at: 2018-07-17 17:05:05
End at: 2018-07-17 17:05:35
Local clock offset: 0.664 ms
Remote clock offset: -7.247 ms

Below is generated by plot.py at 2018-07-17 20:45:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 36.713 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 33.301 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.778 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.717 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

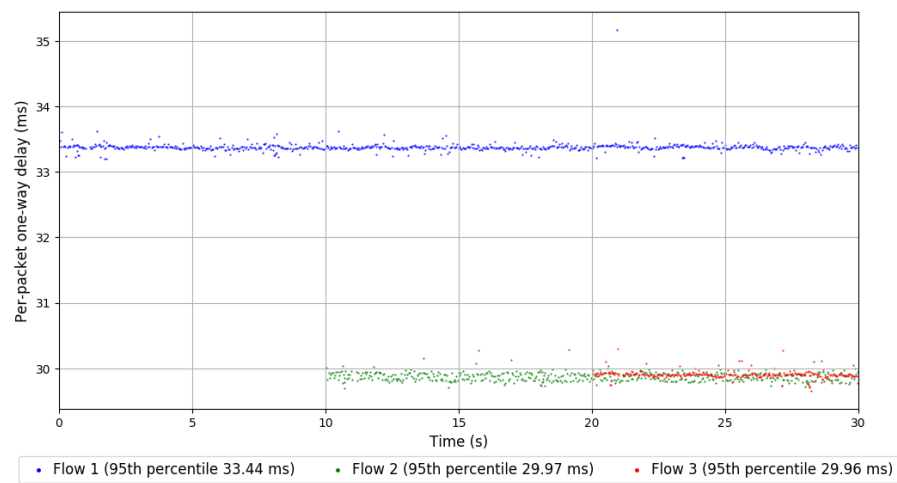
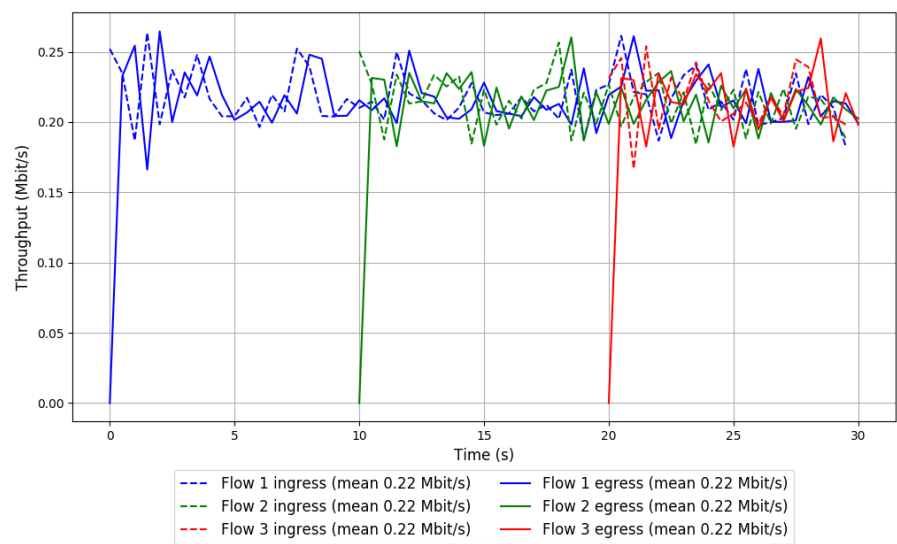


Run 3: Statistics of SReAM

Start at: 2018-07-17 17:28:01
End at: 2018-07-17 17:28:31
Local clock offset: 0.712 ms
Remote clock offset: -6.196 ms

Below is generated by plot.py at 2018-07-17 20:45:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.419 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.443 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.967 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.965 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

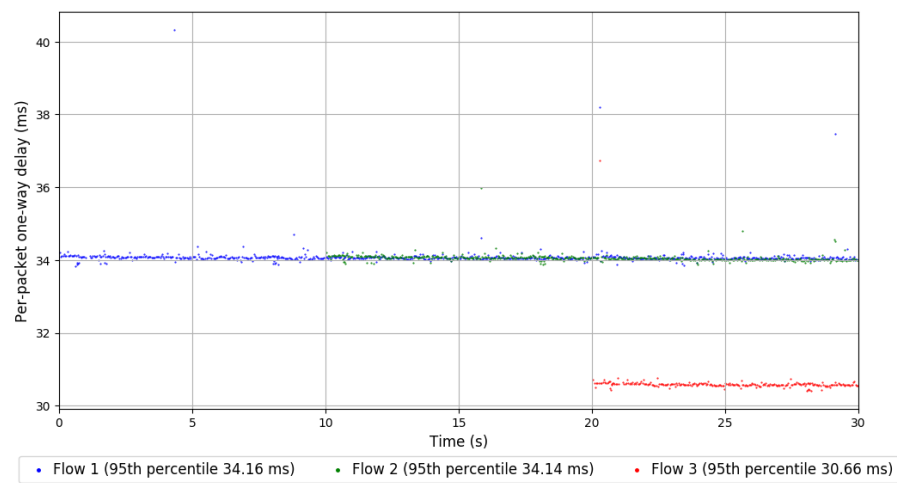
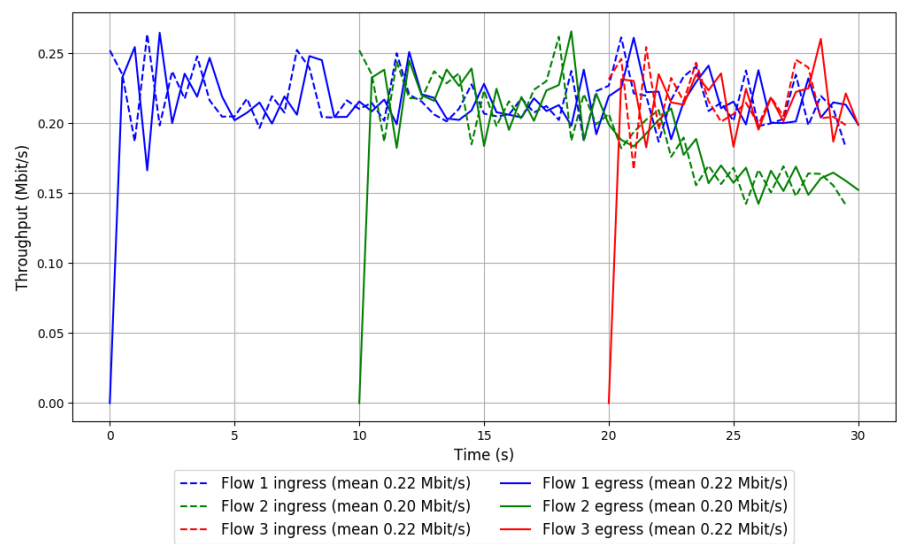


Run 4: Statistics of SReAM

Start at: 2018-07-17 17:50:56
End at: 2018-07-17 17:51:26
Local clock offset: 0.849 ms
Remote clock offset: -4.358 ms

Below is generated by plot.py at 2018-07-17 20:45:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 34.146 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.165 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 34.139 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.658 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

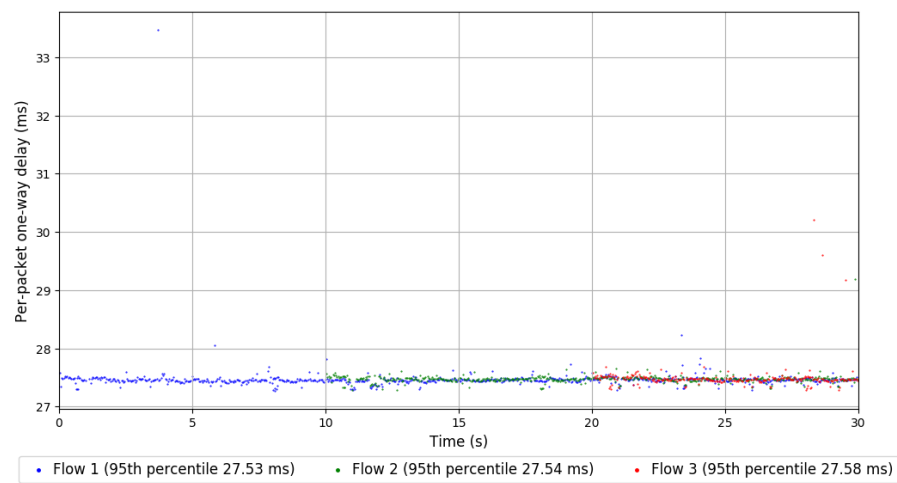
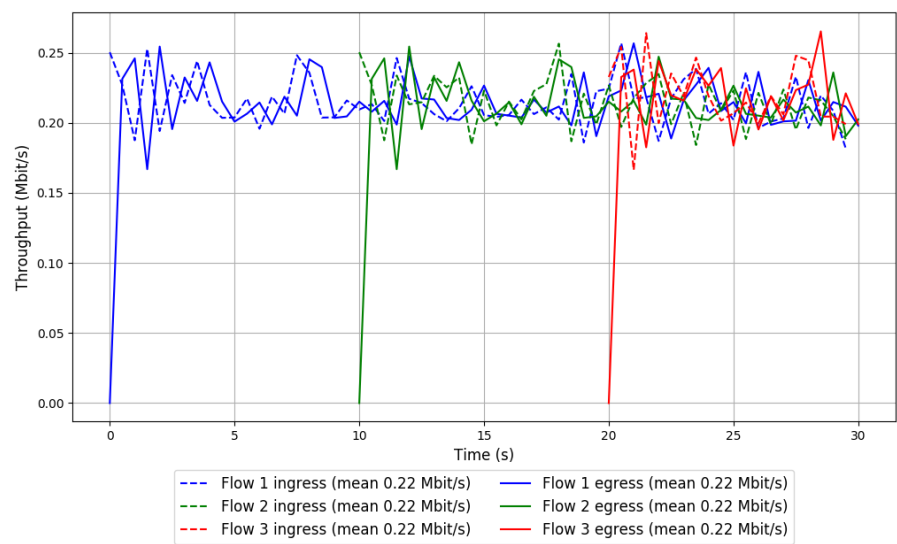


Run 5: Statistics of SReAM

Start at: 2018-07-17 18:13:56
End at: 2018-07-17 18:14:26
Local clock offset: 0.842 ms
Remote clock offset: -8.904 ms

Below is generated by plot.py at 2018-07-17 20:45:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 27.542 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.529 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.536 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.578 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

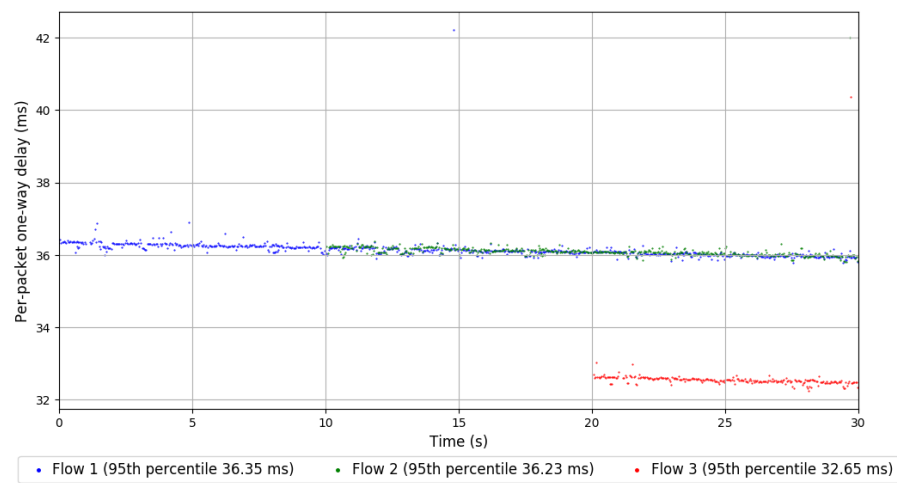
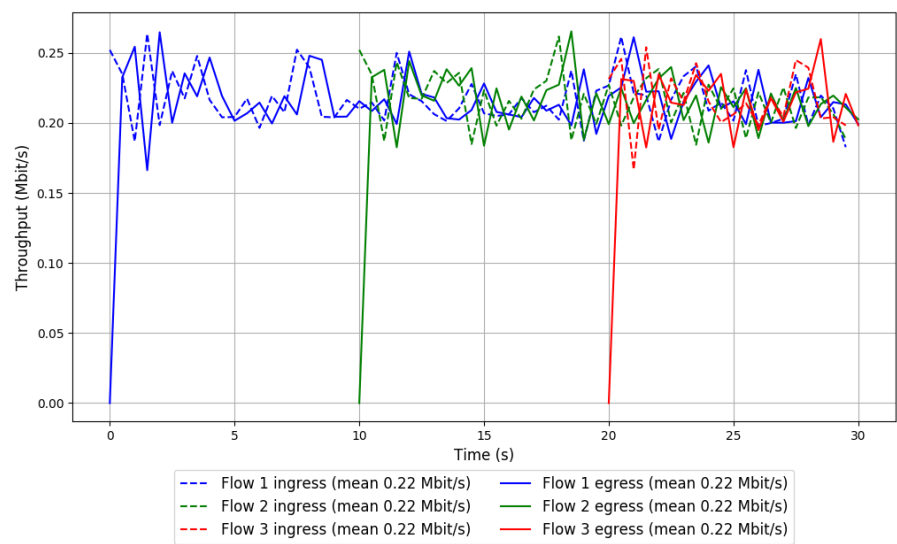


Run 6: Statistics of SReAM

Start at: 2018-07-17 18:36:56
End at: 2018-07-17 18:37:26
Local clock offset: 0.211 ms
Remote clock offset: -1.425 ms

Below is generated by plot.py at 2018-07-17 20:45:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 36.314 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.346 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.235 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.647 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

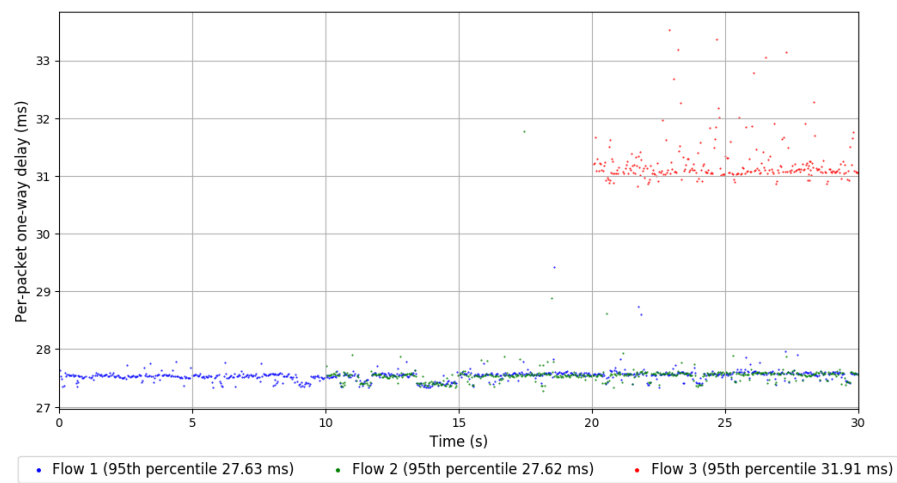
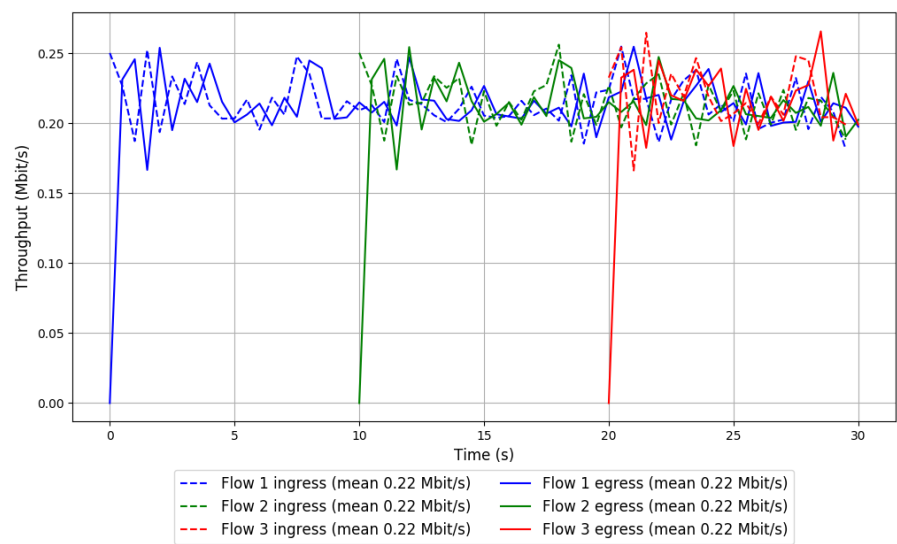


Run 7: Statistics of SReAM

Start at: 2018-07-17 18:59:50
End at: 2018-07-17 19:00:20
Local clock offset: 8.847 ms
Remote clock offset: 1.345 ms

Below is generated by plot.py at 2018-07-17 20:45:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 31.205 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.630 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.622 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.906 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

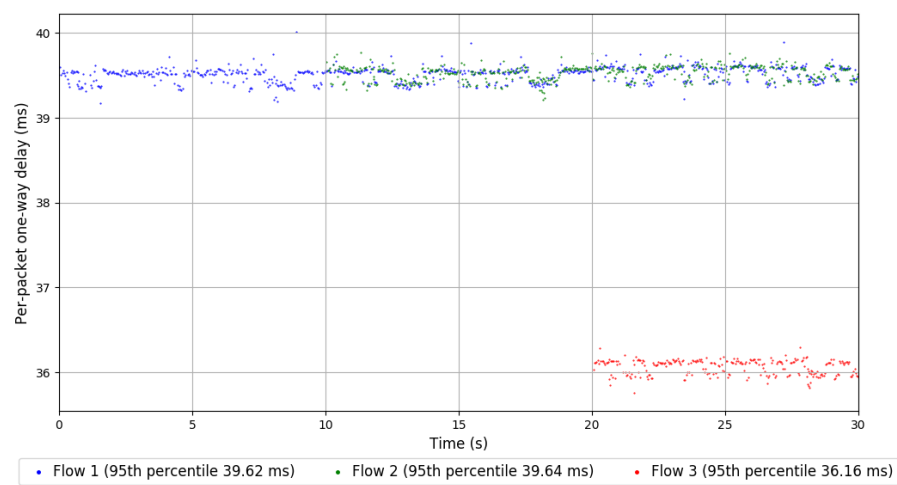
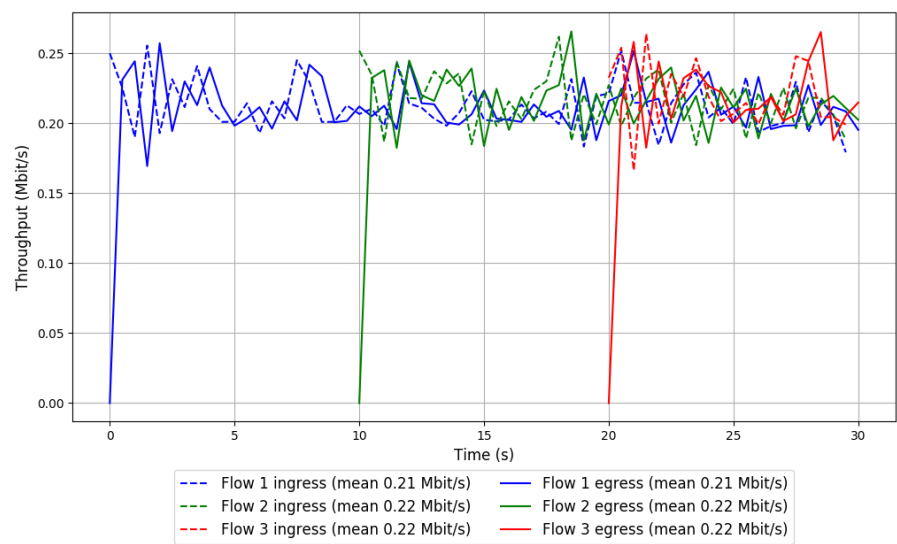


Run 8: Statistics of SReAM

Start at: 2018-07-17 19:22:46
End at: 2018-07-17 19:23:16
Local clock offset: 11.682 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-17 20:45:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 39.625 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 39.625 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.639 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.160 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

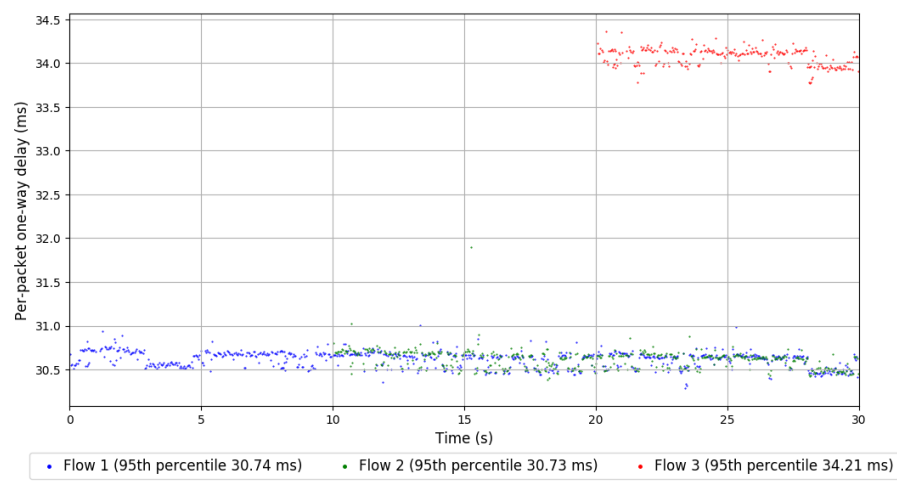
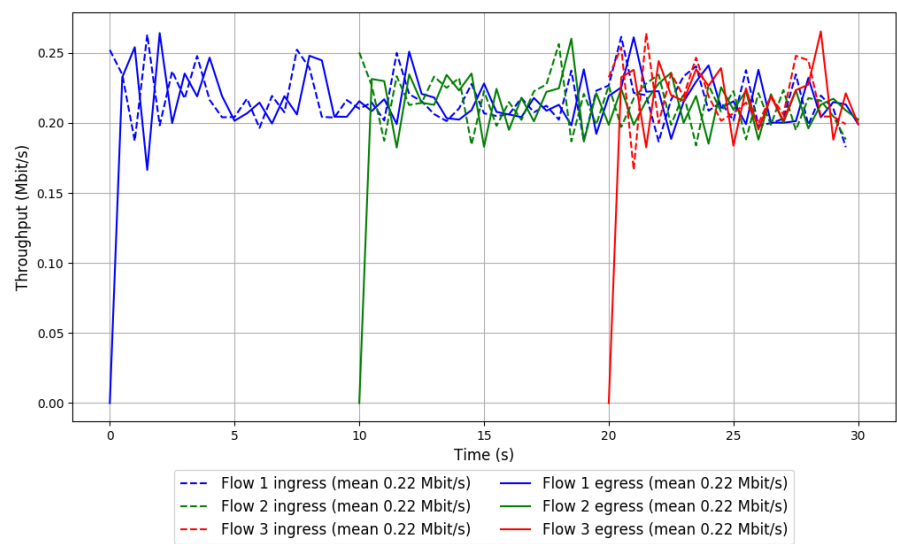


Run 9: Statistics of SReAM

Start at: 2018-07-17 19:45:36
End at: 2018-07-17 19:46:06
Local clock offset: 11.394 ms
Remote clock offset: -8.335 ms

Below is generated by plot.py at 2018-07-17 20:45:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 34.138 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.736 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.732 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.206 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-17 20:08:31

End at: 2018-07-17 20:09:01

Local clock offset: -0.046 ms

Remote clock offset: -5.28 ms

Below is generated by plot.py at 2018-07-17 20:45:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 35.644 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 35.649 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 35.656 ms

Loss rate: 0.00%

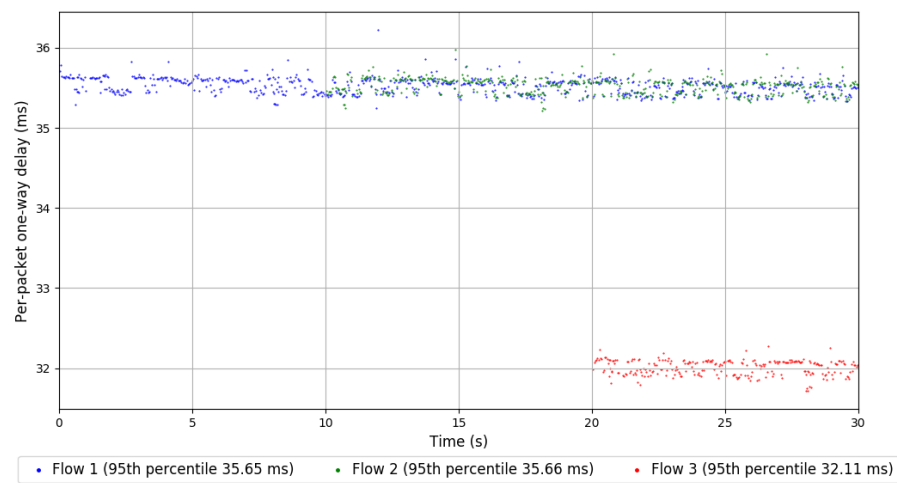
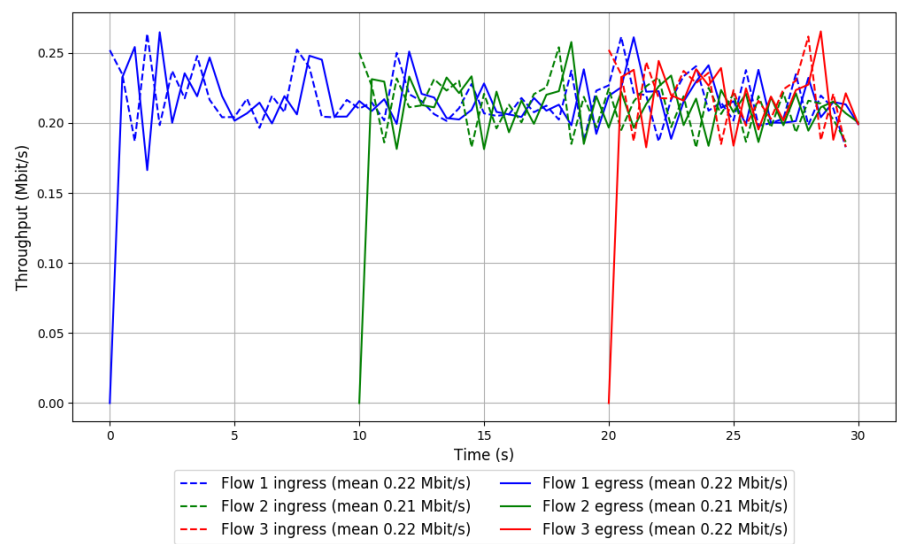
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 32.114 ms

Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

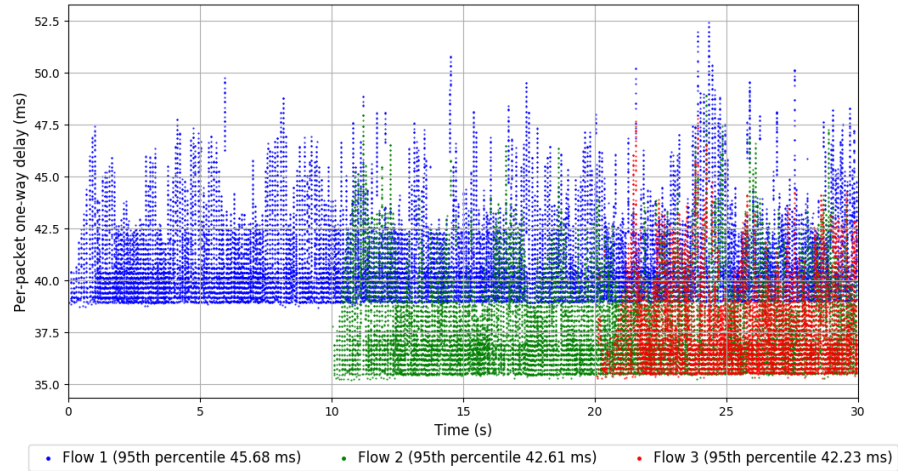
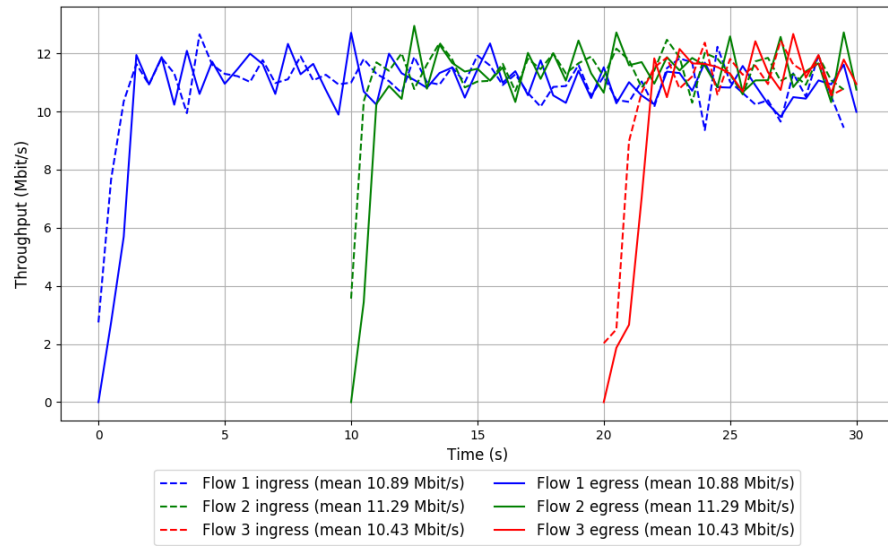


Run 1: Statistics of Sprout

Start at: 2018-07-17 16:43:32
End at: 2018-07-17 16:44:02
Local clock offset: 1.073 ms
Remote clock offset: -14.515 ms

Below is generated by plot.py at 2018-07-17 20:45:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.84 Mbit/s
95th percentile per-packet one-way delay: 44.620 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.88 Mbit/s
95th percentile per-packet one-way delay: 45.684 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.29 Mbit/s
95th percentile per-packet one-way delay: 42.609 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.43 Mbit/s
95th percentile per-packet one-way delay: 42.234 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

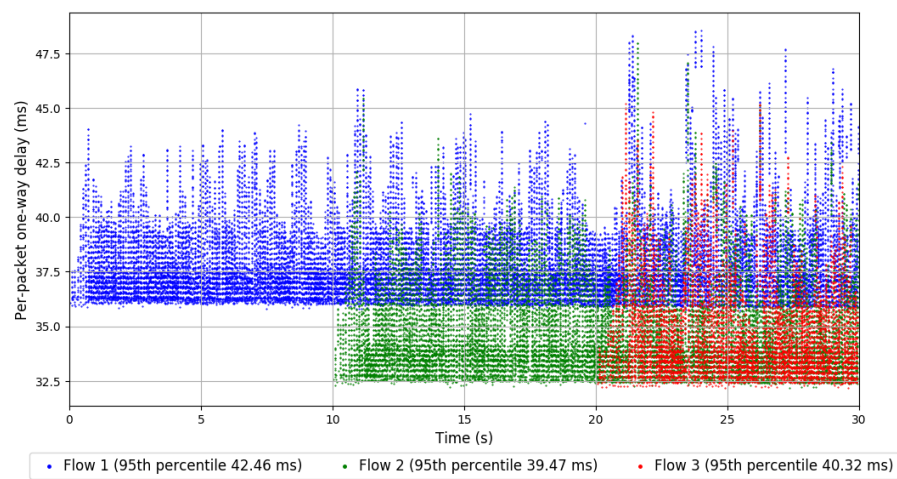
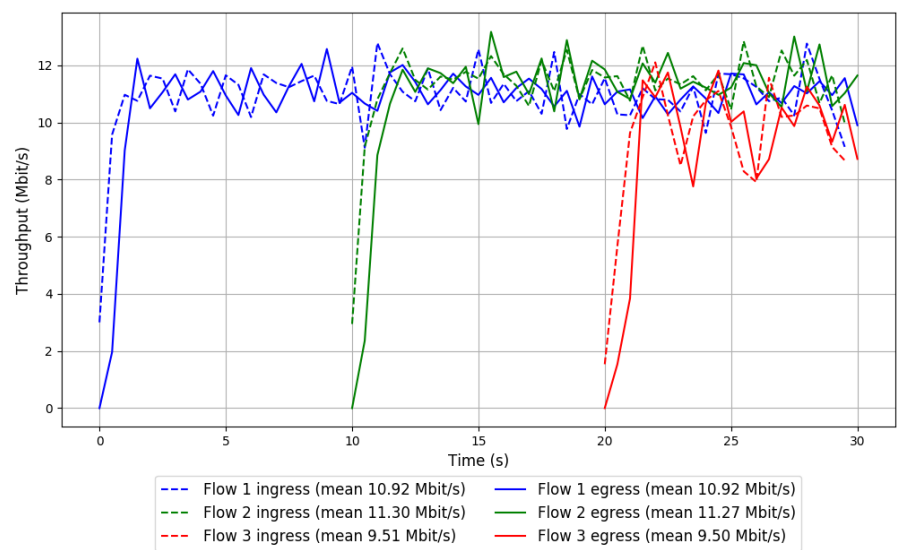


Run 2: Statistics of Sprout

Start at: 2018-07-17 17:06:22
End at: 2018-07-17 17:06:52
Local clock offset: 0.648 ms
Remote clock offset: -7.378 ms

Below is generated by plot.py at 2018-07-17 20:45:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.56 Mbit/s
95th percentile per-packet one-way delay: 41.474 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 10.92 Mbit/s
95th percentile per-packet one-way delay: 42.464 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.27 Mbit/s
95th percentile per-packet one-way delay: 39.470 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 9.50 Mbit/s
95th percentile per-packet one-way delay: 40.322 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

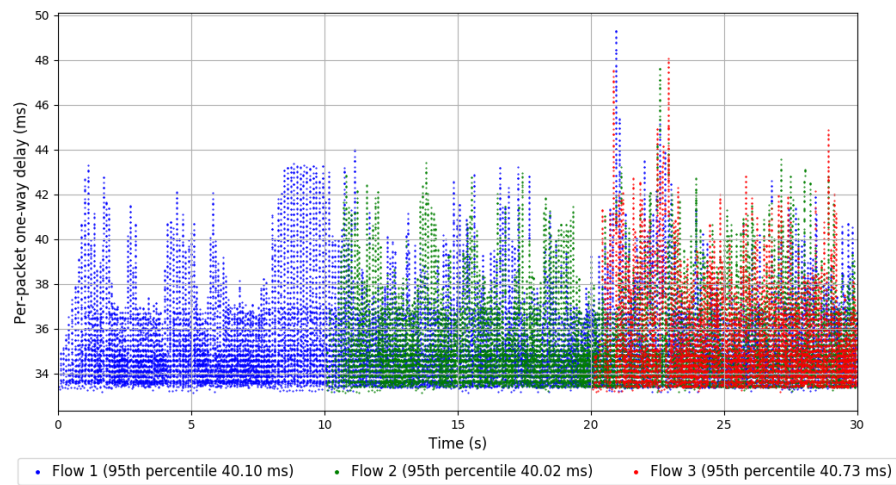
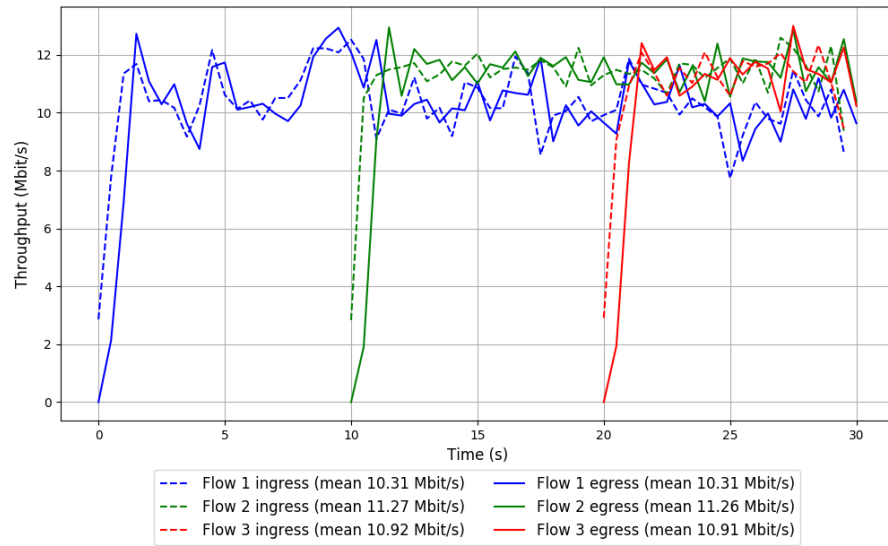


Run 3: Statistics of Sprout

Start at: 2018-07-17 17:29:18
End at: 2018-07-17 17:29:48
Local clock offset: 0.658 ms
Remote clock offset: -2.679 ms

```
# Below is generated by plot.py at 2018-07-17 20:45:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.40 Mbit/s
95th percentile per-packet one-way delay: 40.177 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.31 Mbit/s
95th percentile per-packet one-way delay: 40.104 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.26 Mbit/s
95th percentile per-packet one-way delay: 40.020 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.91 Mbit/s
95th percentile per-packet one-way delay: 40.732 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-17 17:52:14

End at: 2018-07-17 17:52:44

Local clock offset: 0.87 ms

Remote clock offset: -3.92 ms

Below is generated by plot.py at 2018-07-17 20:45:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.58 Mbit/s

95th percentile per-packet one-way delay: 39.756 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 11.30 Mbit/s

95th percentile per-packet one-way delay: 37.218 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 10.57 Mbit/s

95th percentile per-packet one-way delay: 41.535 ms

Loss rate: 0.20%

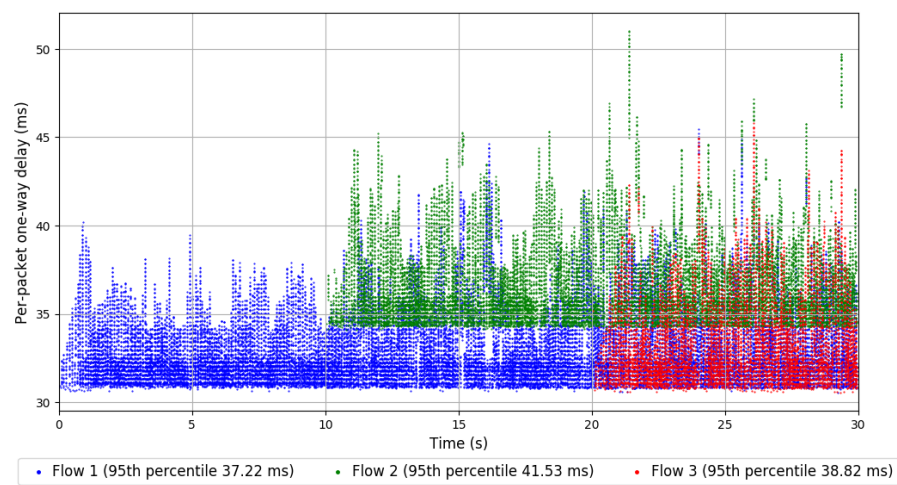
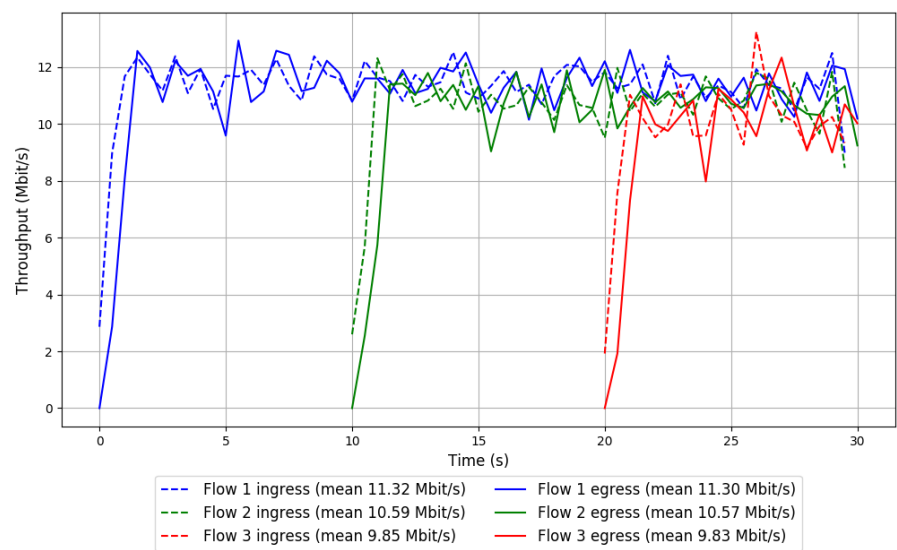
-- Flow 3:

Average throughput: 9.83 Mbit/s

95th percentile per-packet one-way delay: 38.822 ms

Loss rate: 0.27%

Run 4: Report of Sprout — Data Link

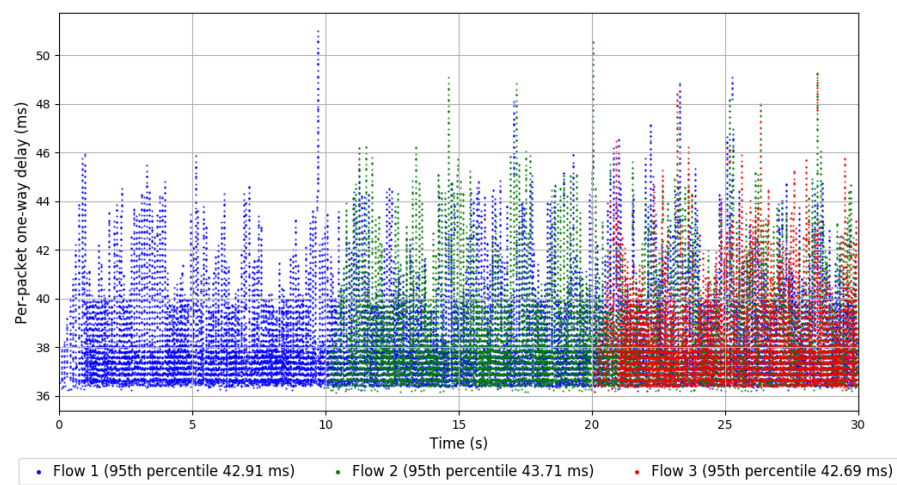
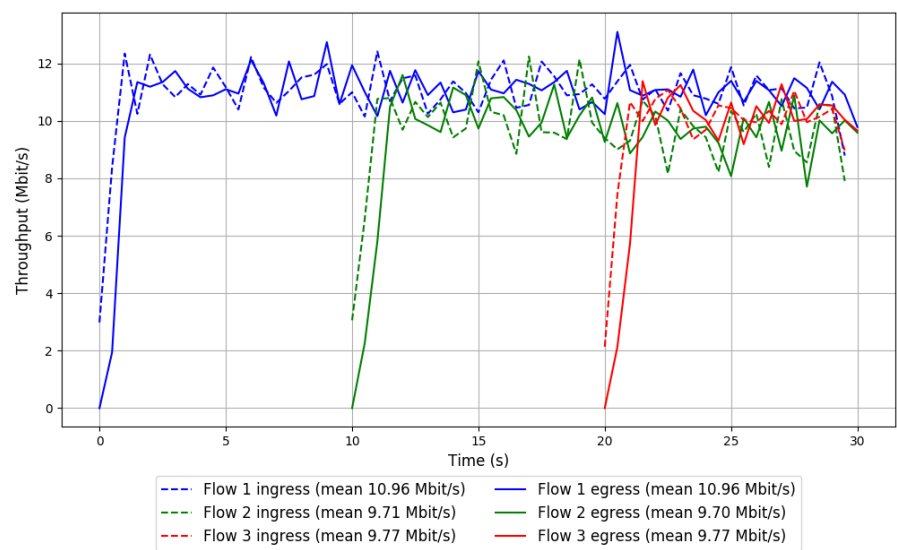


Run 5: Statistics of Sprout

Start at: 2018-07-17 18:15:12
End at: 2018-07-17 18:15:42
Local clock offset: 0.934 ms
Remote clock offset: -3.326 ms

Below is generated by plot.py at 2018-07-17 20:45:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.64 Mbit/s
95th percentile per-packet one-way delay: 43.165 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 42.914 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 9.70 Mbit/s
95th percentile per-packet one-way delay: 43.708 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 9.77 Mbit/s
95th percentile per-packet one-way delay: 42.689 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

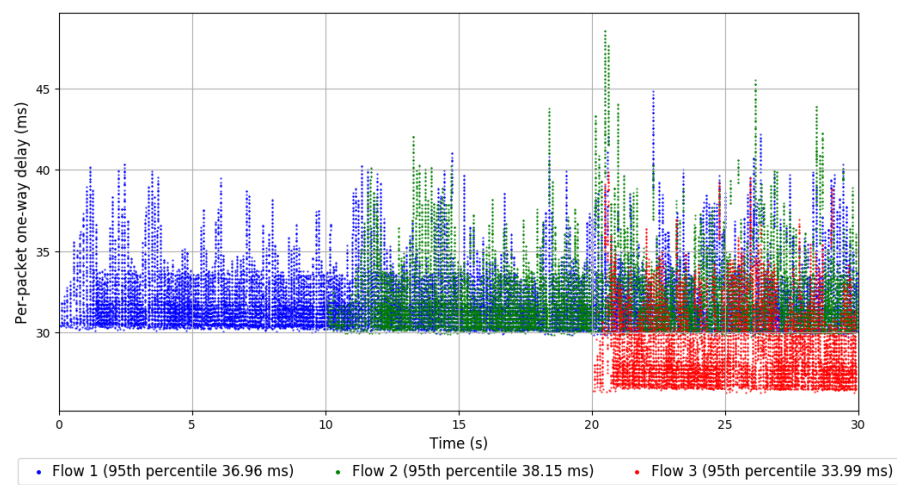
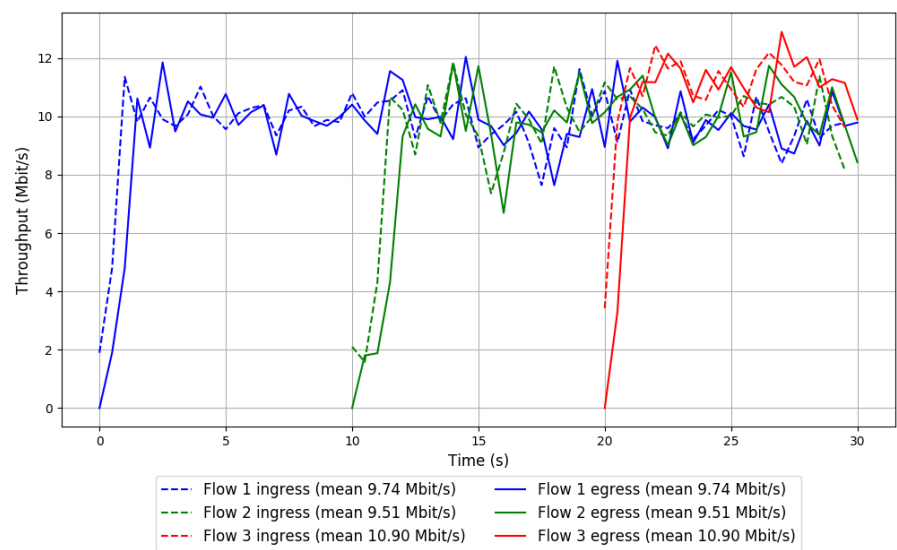


Run 6: Statistics of Sprout

Start at: 2018-07-17 18:38:13
End at: 2018-07-17 18:38:43
Local clock offset: 0.198 ms
Remote clock offset: -6.377 ms

Below is generated by plot.py at 2018-07-17 20:45:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.67 Mbit/s
95th percentile per-packet one-way delay: 37.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.74 Mbit/s
95th percentile per-packet one-way delay: 36.962 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 38.154 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.90 Mbit/s
95th percentile per-packet one-way delay: 33.990 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-07-17 19:01:06

End at: 2018-07-17 19:01:36

Local clock offset: 9.266 ms

Remote clock offset: 7.42 ms

Below is generated by plot.py at 2018-07-17 20:45:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.35 Mbit/s

95th percentile per-packet one-way delay: 42.637 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 10.76 Mbit/s

95th percentile per-packet one-way delay: 43.158 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.73 Mbit/s

95th percentile per-packet one-way delay: 40.080 ms

Loss rate: 0.00%

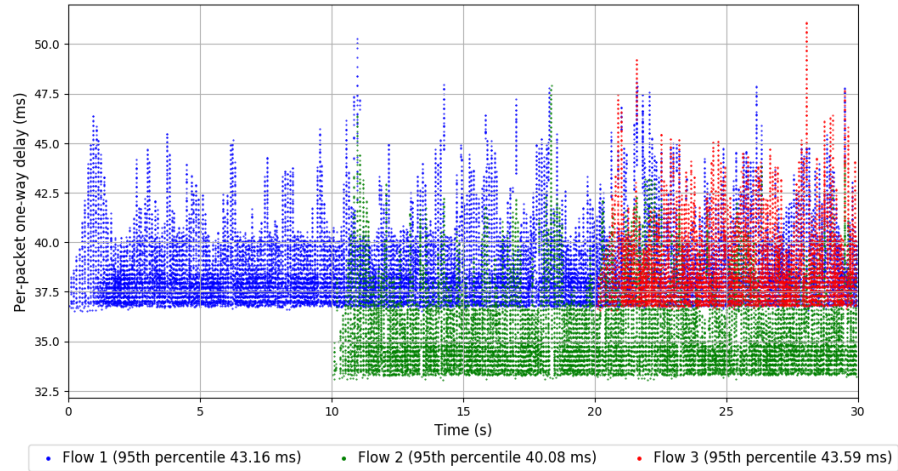
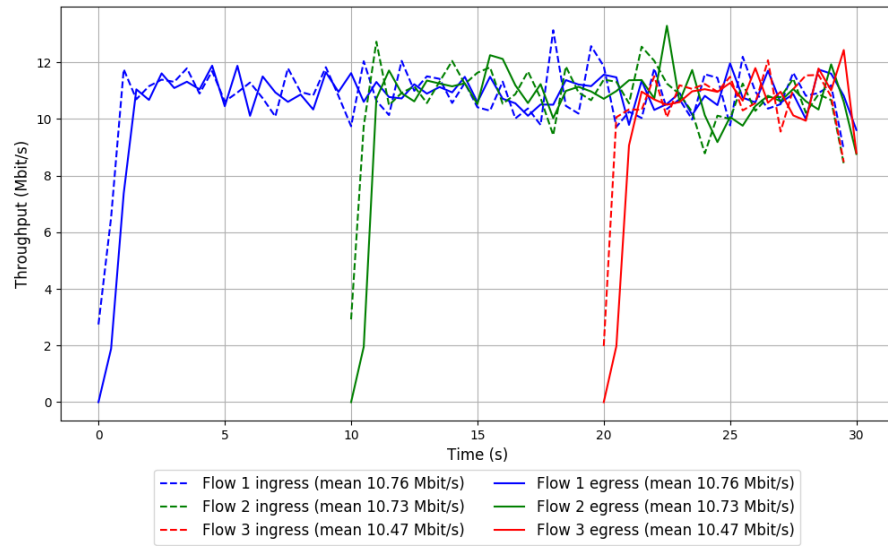
-- Flow 3:

Average throughput: 10.47 Mbit/s

95th percentile per-packet one-way delay: 43.591 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

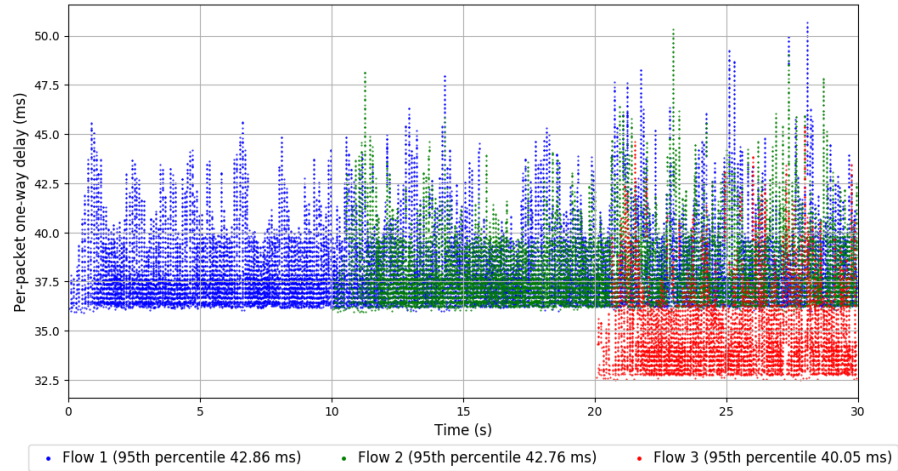
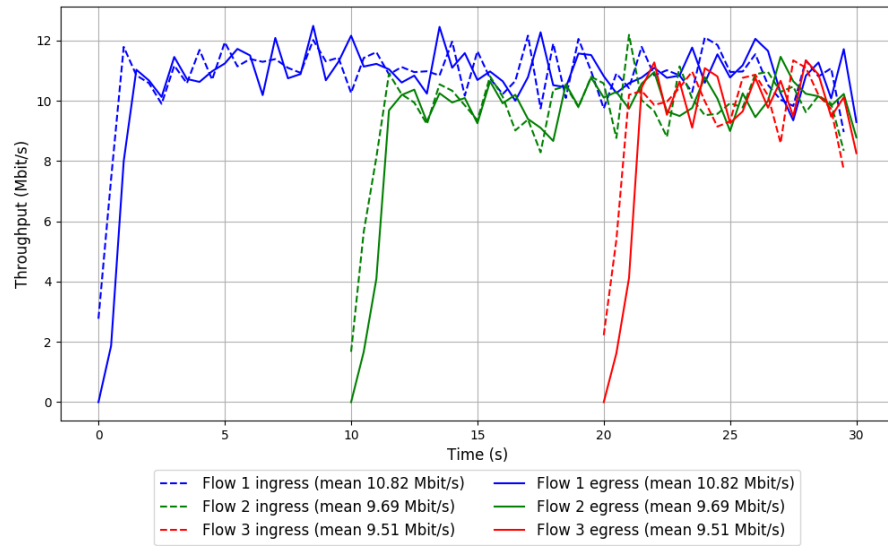


Run 8: Statistics of Sprout

Start at: 2018-07-17 19:24:03
End at: 2018-07-17 19:24:33
Local clock offset: 11.496 ms
Remote clock offset: -3.74 ms

```
# Below is generated by plot.py at 2018-07-17 20:45:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.41 Mbit/s
95th percentile per-packet one-way delay: 42.576 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 10.82 Mbit/s
95th percentile per-packet one-way delay: 42.861 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 9.69 Mbit/s
95th percentile per-packet one-way delay: 42.762 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 40.048 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

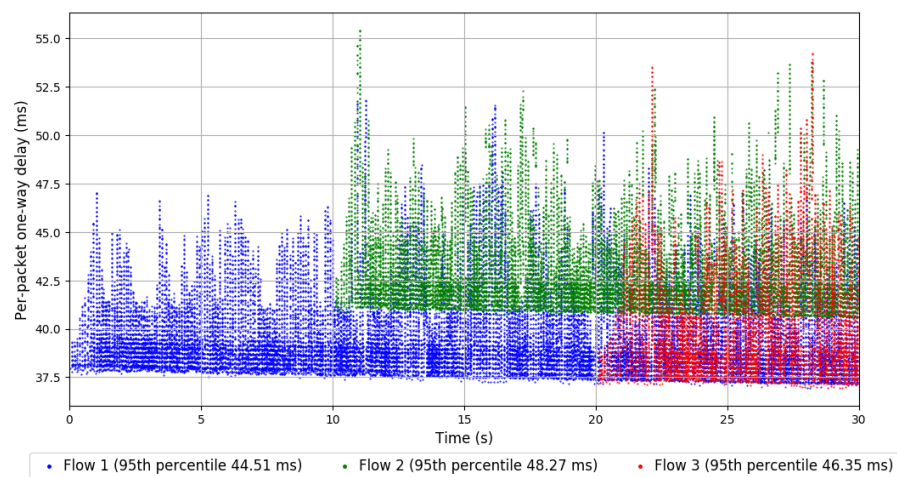
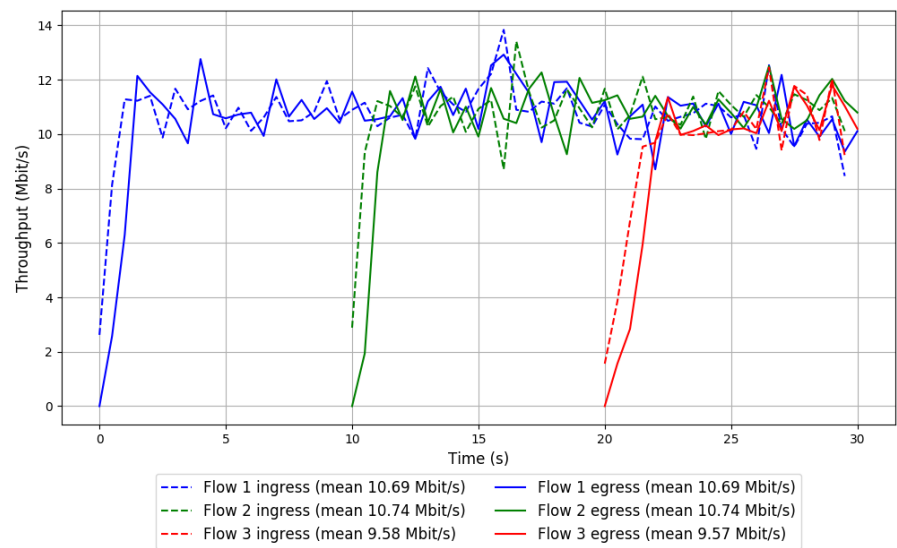


Run 9: Statistics of Sprout

Start at: 2018-07-17 19:46:53
End at: 2018-07-17 19:47:23
Local clock offset: 11.438 ms
Remote clock offset: -0.782 ms

Below is generated by plot.py at 2018-07-17 20:45:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.00 Mbit/s
95th percentile per-packet one-way delay: 46.640 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.69 Mbit/s
95th percentile per-packet one-way delay: 44.509 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.74 Mbit/s
95th percentile per-packet one-way delay: 48.275 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.57 Mbit/s
95th percentile per-packet one-way delay: 46.349 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

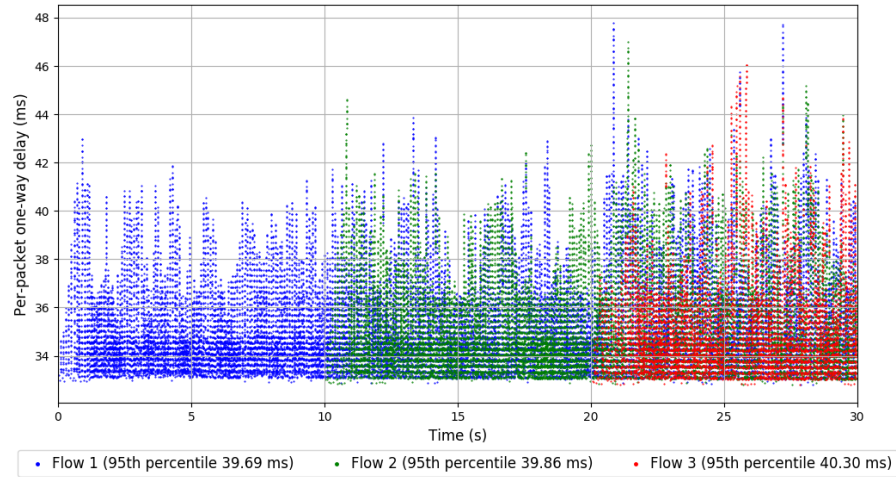
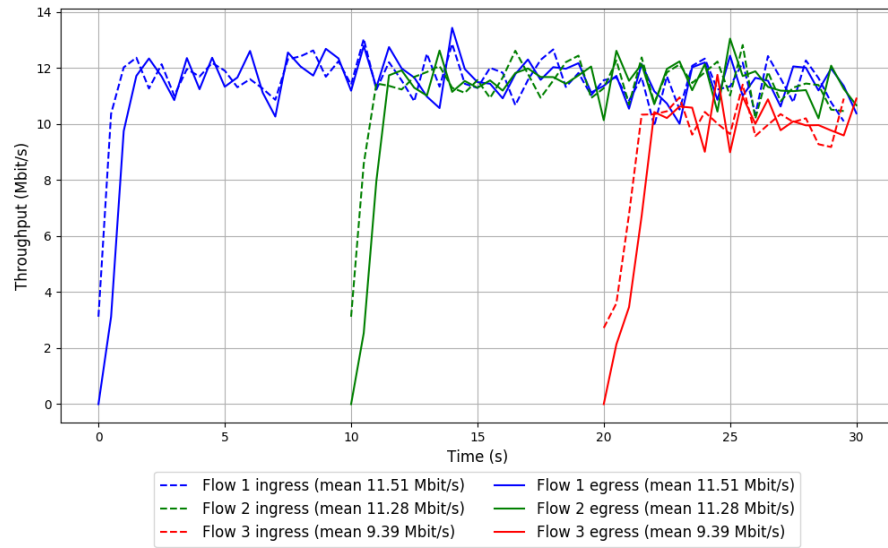


Run 10: Statistics of Sprout

Start at: 2018-07-17 20:09:48
End at: 2018-07-17 20:10:18
Local clock offset: -0.285 ms
Remote clock offset: -4.189 ms

Below is generated by plot.py at 2018-07-17 20:45:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.11 Mbit/s
95th percentile per-packet one-way delay: 39.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.51 Mbit/s
95th percentile per-packet one-way delay: 39.685 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.28 Mbit/s
95th percentile per-packet one-way delay: 39.859 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.39 Mbit/s
95th percentile per-packet one-way delay: 40.297 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

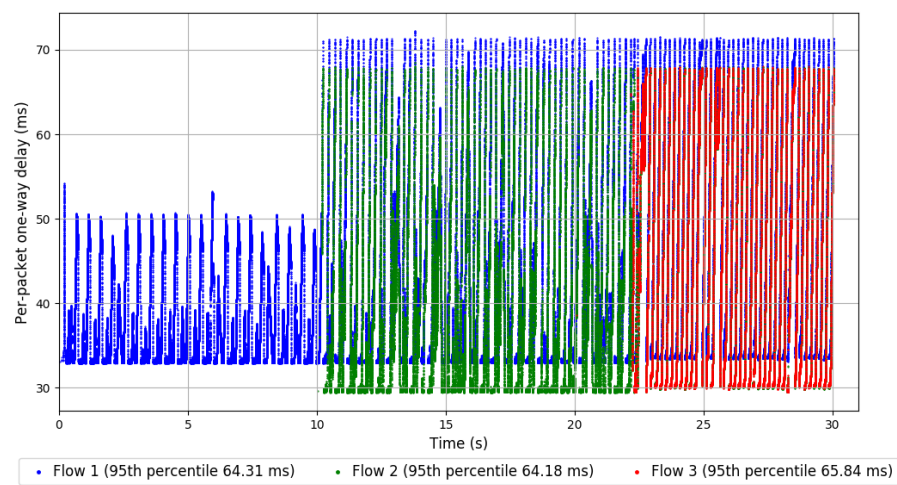
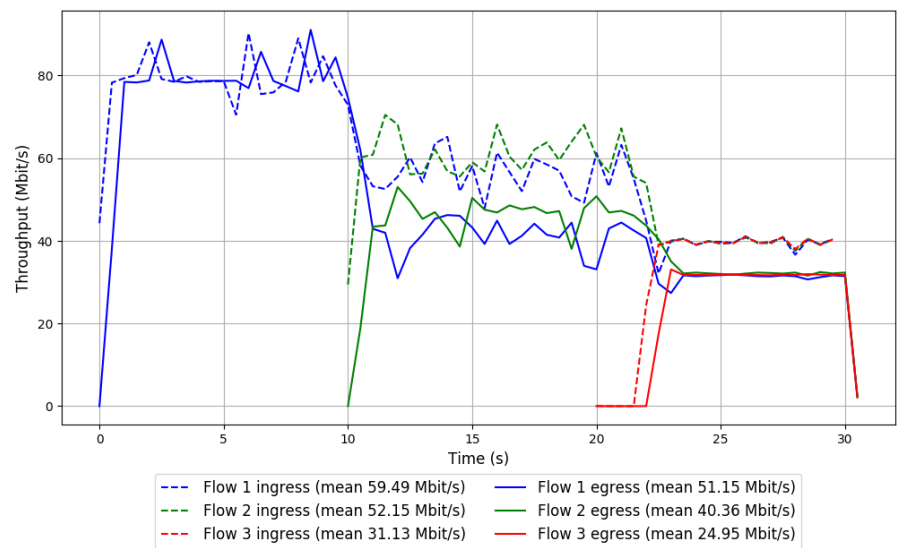


Run 1: Statistics of TaoVA-100x

Start at: 2018-07-17 16:47:32
End at: 2018-07-17 16:48:02
Local clock offset: 1.134 ms
Remote clock offset: -20.883 ms

Below is generated by plot.py at 2018-07-17 20:47:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.35 Mbit/s
95th percentile per-packet one-way delay: 64.635 ms
Loss rate: 17.41%
-- Flow 1:
Average throughput: 51.15 Mbit/s
95th percentile per-packet one-way delay: 64.308 ms
Loss rate: 13.98%
-- Flow 2:
Average throughput: 40.36 Mbit/s
95th percentile per-packet one-way delay: 64.178 ms
Loss rate: 22.56%
-- Flow 3:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 65.837 ms
Loss rate: 19.79%

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

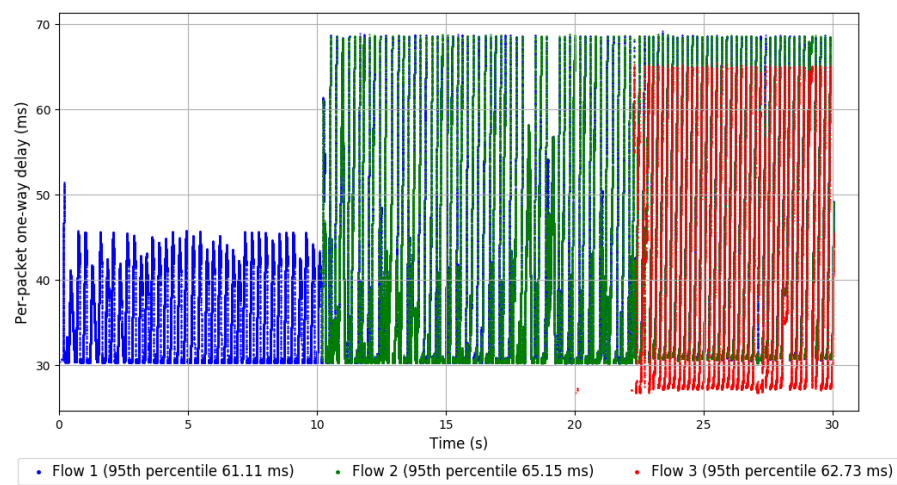
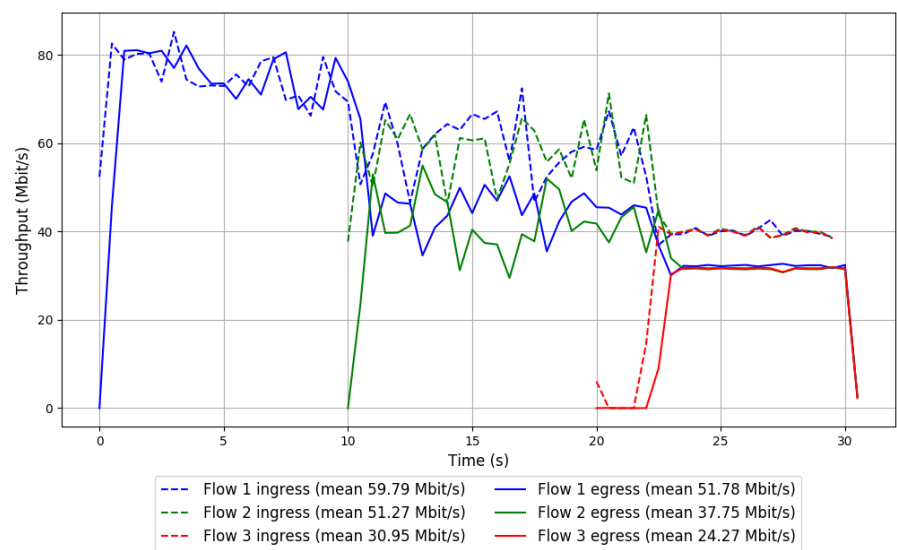


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-17 17:10:23
End at: 2018-07-17 17:10:53
Local clock offset: 0.672 ms
Remote clock offset: -11.742 ms

Below is generated by plot.py at 2018-07-17 20:47:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 63.033 ms
Loss rate: 18.39%
-- Flow 1:
Average throughput: 51.78 Mbit/s
95th percentile per-packet one-way delay: 61.113 ms
Loss rate: 13.34%
-- Flow 2:
Average throughput: 37.75 Mbit/s
95th percentile per-packet one-way delay: 65.148 ms
Loss rate: 26.33%
-- Flow 3:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 62.729 ms
Loss rate: 21.42%

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

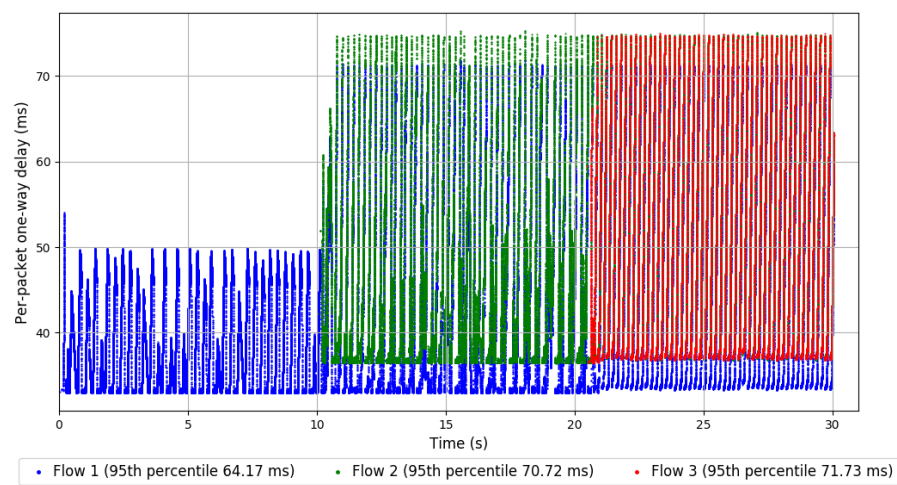
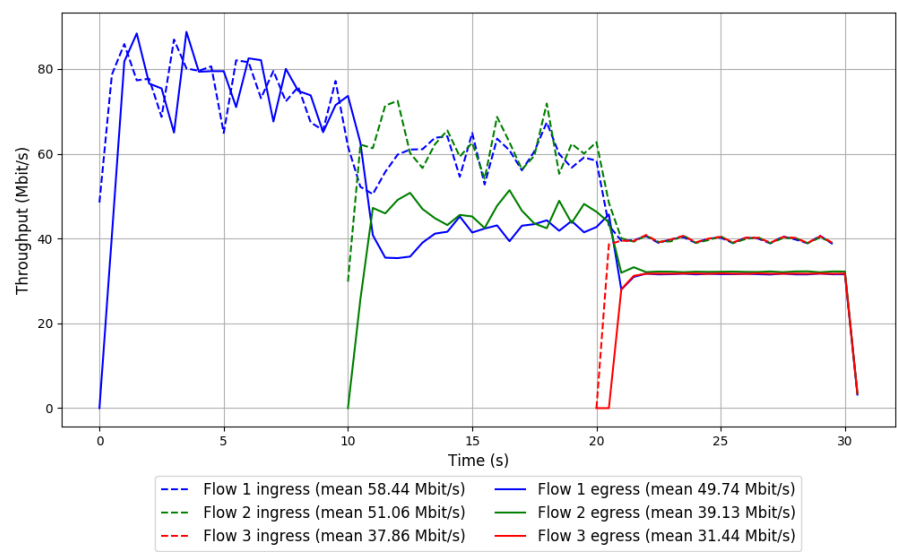


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-17 17:33:19
End at: 2018-07-17 17:33:49
Local clock offset: 0.682 ms
Remote clock offset: -2.967 ms

Below is generated by plot.py at 2018-07-17 20:47:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.83 Mbit/s
95th percentile per-packet one-way delay: 68.211 ms
Loss rate: 18.21%
-- Flow 1:
Average throughput: 49.74 Mbit/s
95th percentile per-packet one-way delay: 64.166 ms
Loss rate: 14.81%
-- Flow 2:
Average throughput: 39.13 Mbit/s
95th percentile per-packet one-way delay: 70.725 ms
Loss rate: 23.30%
-- Flow 3:
Average throughput: 31.44 Mbit/s
95th percentile per-packet one-way delay: 71.732 ms
Loss rate: 20.27%

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

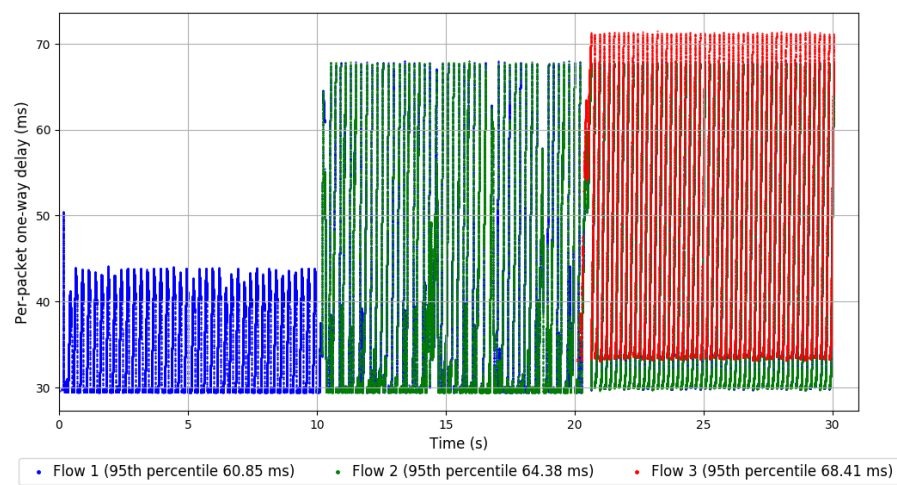
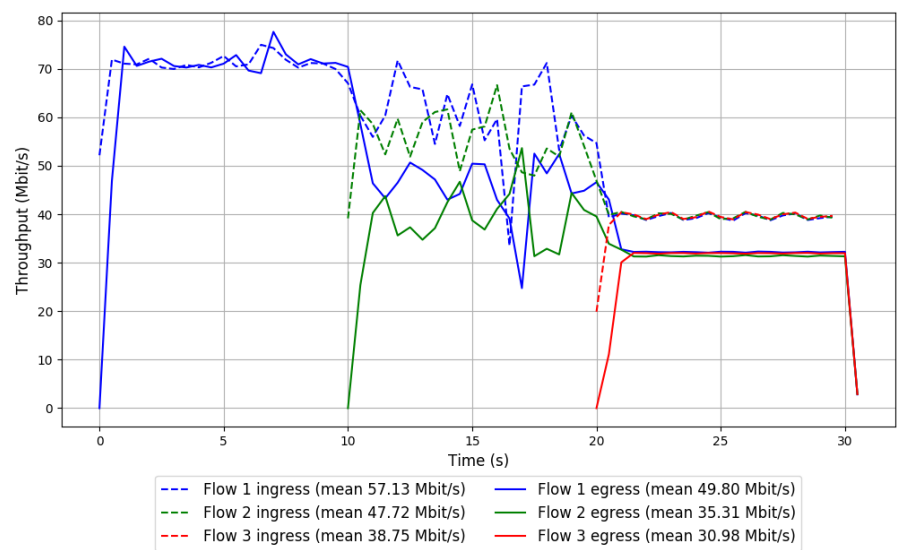


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-17 17:56:16
End at: 2018-07-17 17:56:46
Local clock offset: 0.877 ms
Remote clock offset: -5.004 ms

Below is generated by plot.py at 2018-07-17 20:47:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.64 Mbit/s
95th percentile per-packet one-way delay: 63.797 ms
Loss rate: 17.76%
-- Flow 1:
Average throughput: 49.80 Mbit/s
95th percentile per-packet one-way delay: 60.848 ms
Loss rate: 12.76%
-- Flow 2:
Average throughput: 35.31 Mbit/s
95th percentile per-packet one-way delay: 64.377 ms
Loss rate: 25.90%
-- Flow 3:
Average throughput: 30.98 Mbit/s
95th percentile per-packet one-way delay: 68.412 ms
Loss rate: 19.85%

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

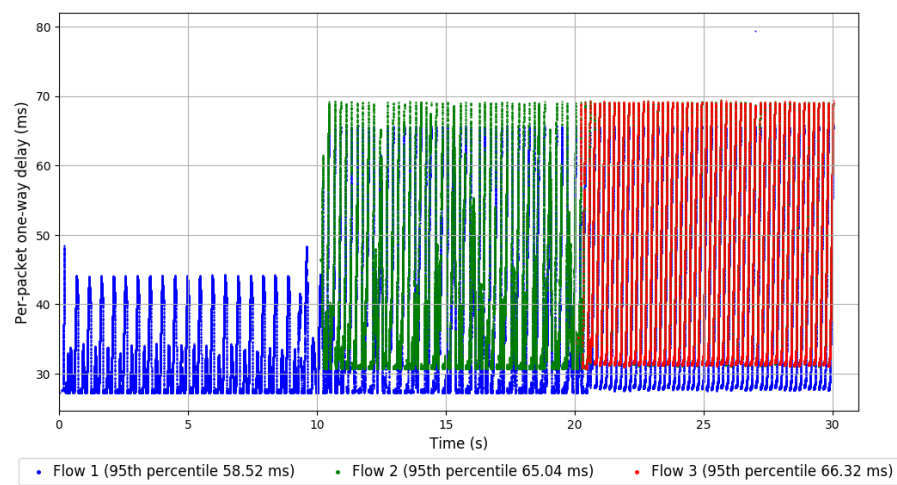
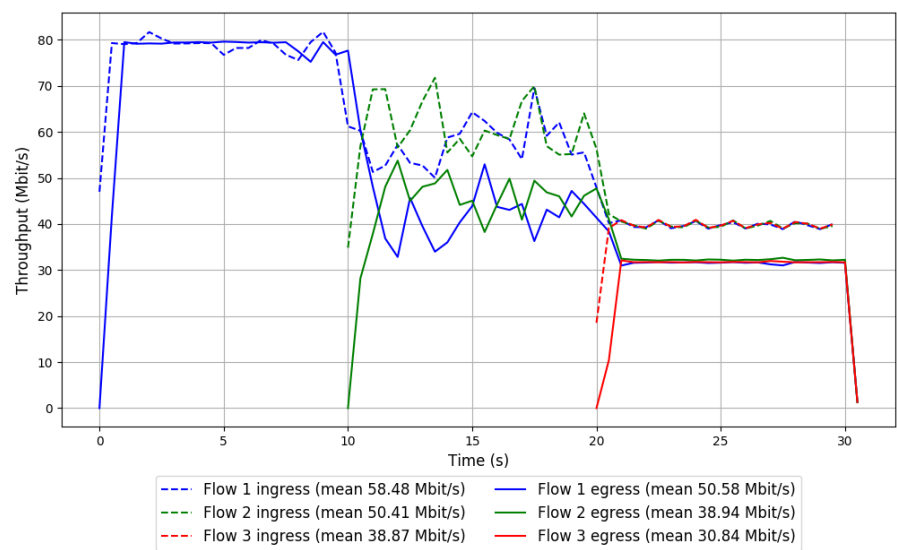


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-17 18:19:21
End at: 2018-07-17 18:19:51
Local clock offset: 0.697 ms
Remote clock offset: -9.059 ms

Below is generated by plot.py at 2018-07-17 20:47:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.78 Mbit/s
95th percentile per-packet one-way delay: 62.593 ms
Loss rate: 17.33%
-- Flow 1:
Average throughput: 50.58 Mbit/s
95th percentile per-packet one-way delay: 58.520 ms
Loss rate: 13.48%
-- Flow 2:
Average throughput: 38.94 Mbit/s
95th percentile per-packet one-way delay: 65.040 ms
Loss rate: 22.75%
-- Flow 3:
Average throughput: 30.84 Mbit/s
95th percentile per-packet one-way delay: 66.323 ms
Loss rate: 20.66%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-17 18:42:14

End at: 2018-07-17 18:42:44

Local clock offset: 0.184 ms

Remote clock offset: 7.009 ms

Below is generated by plot.py at 2018-07-17 20:47:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.29 Mbit/s

95th percentile per-packet one-way delay: 72.838 ms

Loss rate: 16.70%

-- Flow 1:

Average throughput: 52.41 Mbit/s

95th percentile per-packet one-way delay: 68.271 ms

Loss rate: 12.73%

-- Flow 2:

Average throughput: 38.78 Mbit/s

95th percentile per-packet one-way delay: 75.270 ms

Loss rate: 22.47%

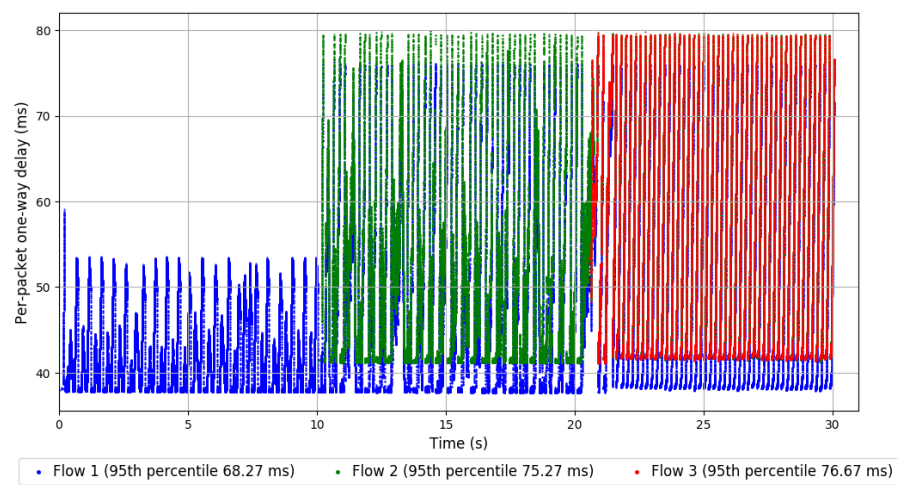
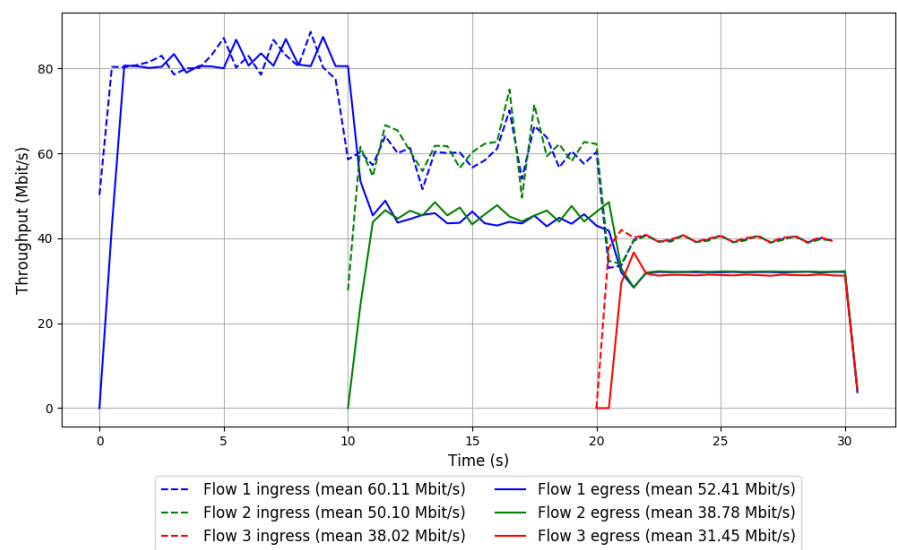
-- Flow 3:

Average throughput: 31.45 Mbit/s

95th percentile per-packet one-way delay: 76.672 ms

Loss rate: 20.39%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-17 19:05:07

End at: 2018-07-17 19:05:37

Local clock offset: 10.413 ms

Remote clock offset: 7.258 ms

Below is generated by plot.py at 2018-07-17 20:47:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.20 Mbit/s

95th percentile per-packet one-way delay: 64.639 ms

Loss rate: 14.80%

-- Flow 1:

Average throughput: 53.50 Mbit/s

95th percentile per-packet one-way delay: 61.528 ms

Loss rate: 11.10%

-- Flow 2:

Average throughput: 28.98 Mbit/s

95th percentile per-packet one-way delay: 68.464 ms

Loss rate: 20.73%

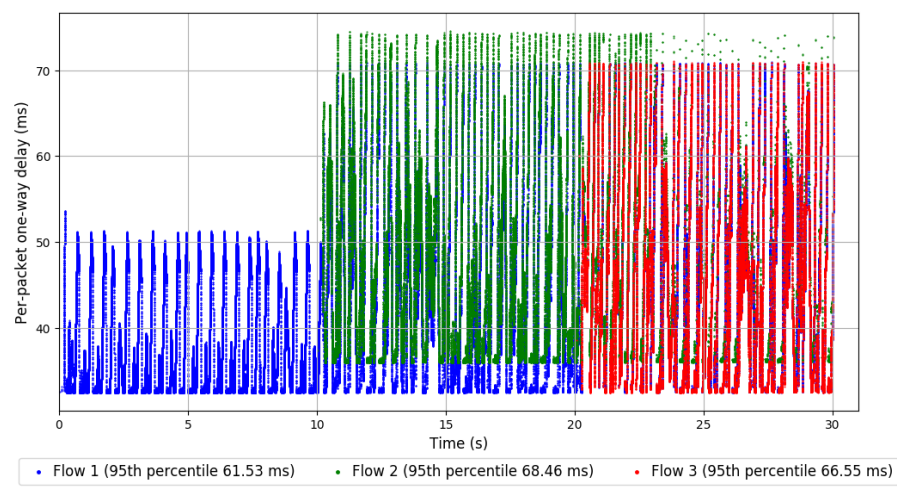
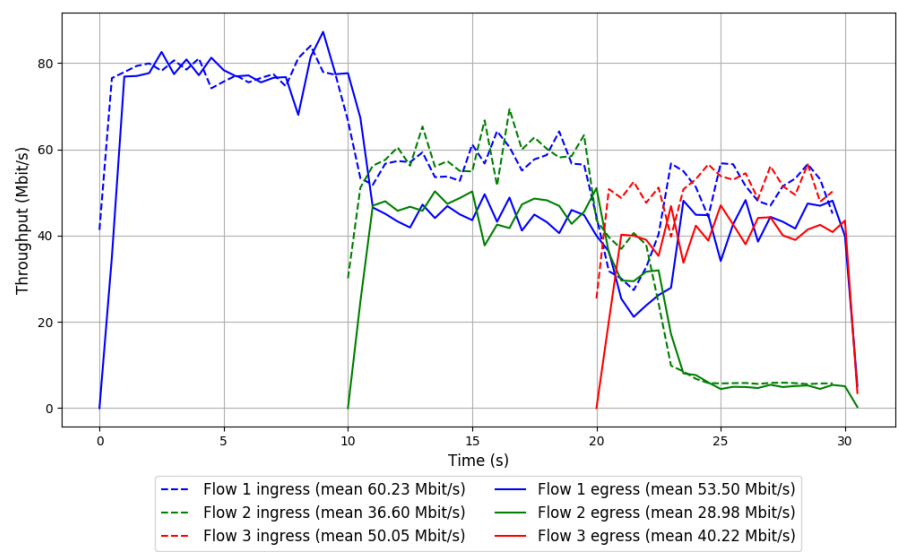
-- Flow 3:

Average throughput: 40.22 Mbit/s

95th percentile per-packet one-way delay: 66.550 ms

Loss rate: 19.49%

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

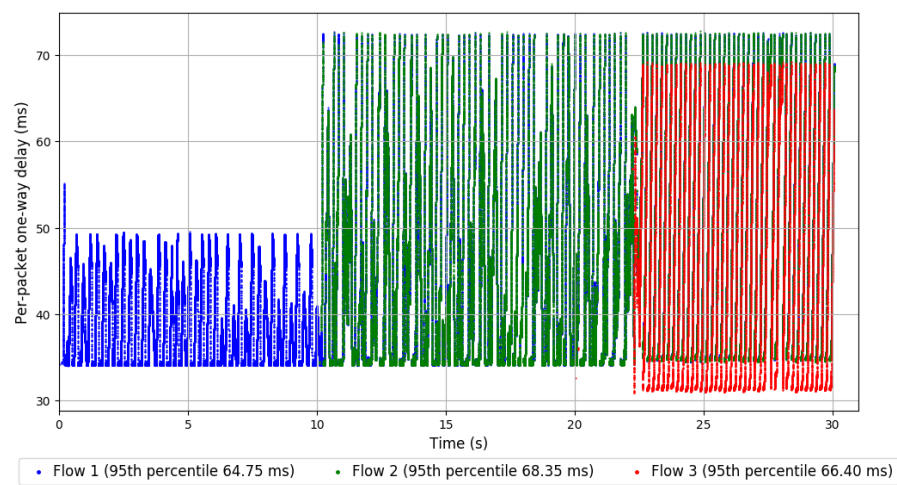
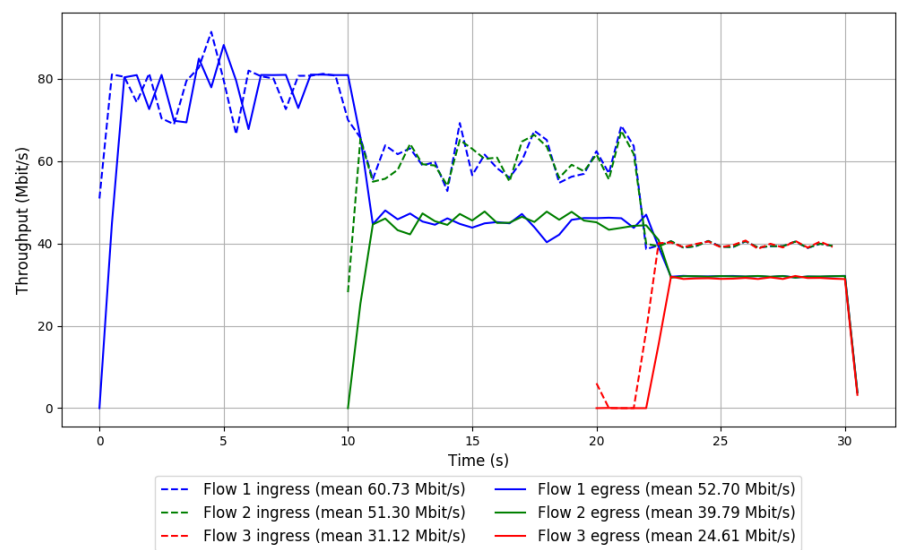


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-17 19:28:03
End at: 2018-07-17 19:28:33
Local clock offset: 11.119 ms
Remote clock offset: -6.934 ms

Below is generated by plot.py at 2018-07-17 20:47:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.41 Mbit/s
95th percentile per-packet one-way delay: 66.520 ms
Loss rate: 16.86%
-- Flow 1:
Average throughput: 52.70 Mbit/s
95th percentile per-packet one-way delay: 64.753 ms
Loss rate: 13.13%
-- Flow 2:
Average throughput: 39.79 Mbit/s
95th percentile per-packet one-way delay: 68.350 ms
Loss rate: 22.32%
-- Flow 3:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 66.397 ms
Loss rate: 20.71%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-17 19:50:54

End at: 2018-07-17 19:51:24

Local clock offset: 7.657 ms

Remote clock offset: -5.09 ms

Below is generated by plot.py at 2018-07-17 20:49:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.45 Mbit/s

95th percentile per-packet one-way delay: 68.492 ms

Loss rate: 16.88%

-- Flow 1:

Average throughput: 52.42 Mbit/s

95th percentile per-packet one-way delay: 65.632 ms

Loss rate: 12.13%

-- Flow 2:

Average throughput: 35.74 Mbit/s

95th percentile per-packet one-way delay: 70.150 ms

Loss rate: 24.19%

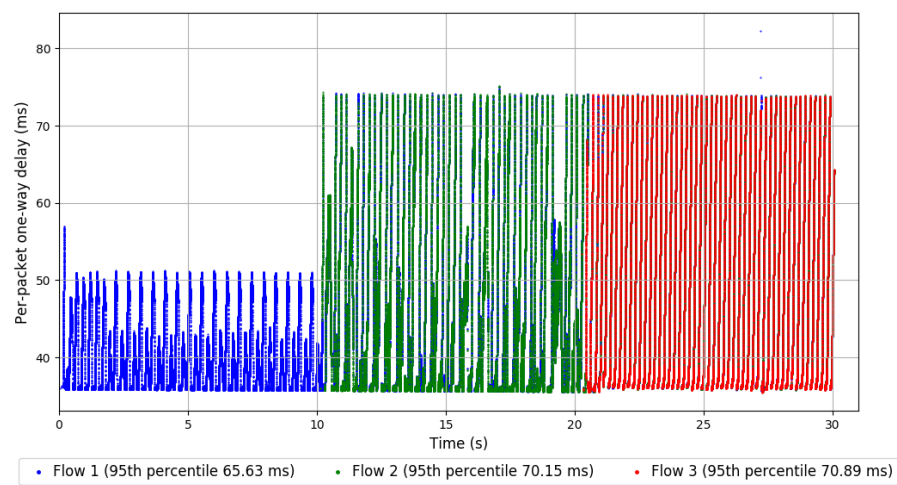
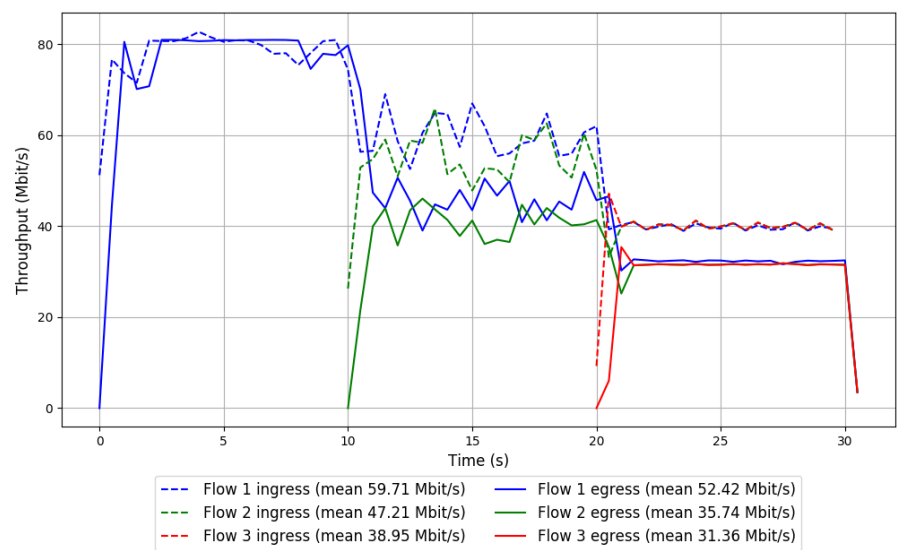
-- Flow 3:

Average throughput: 31.36 Mbit/s

95th percentile per-packet one-way delay: 70.888 ms

Loss rate: 21.03%

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

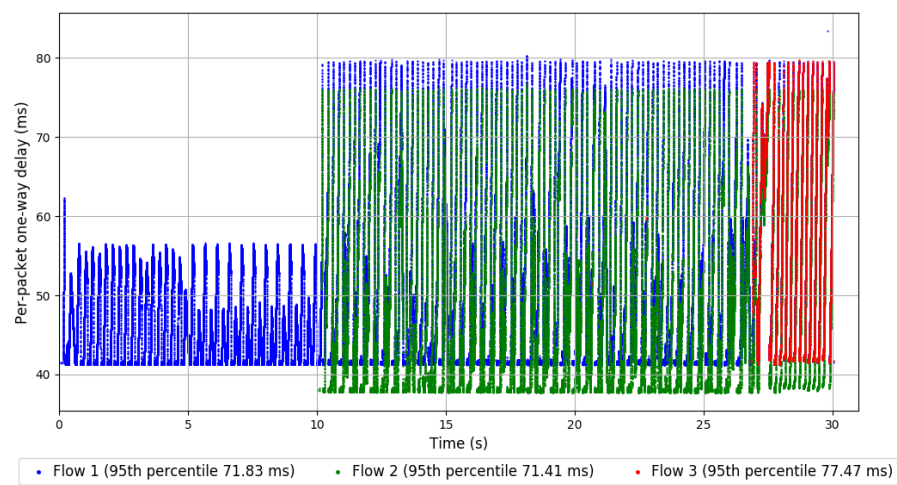
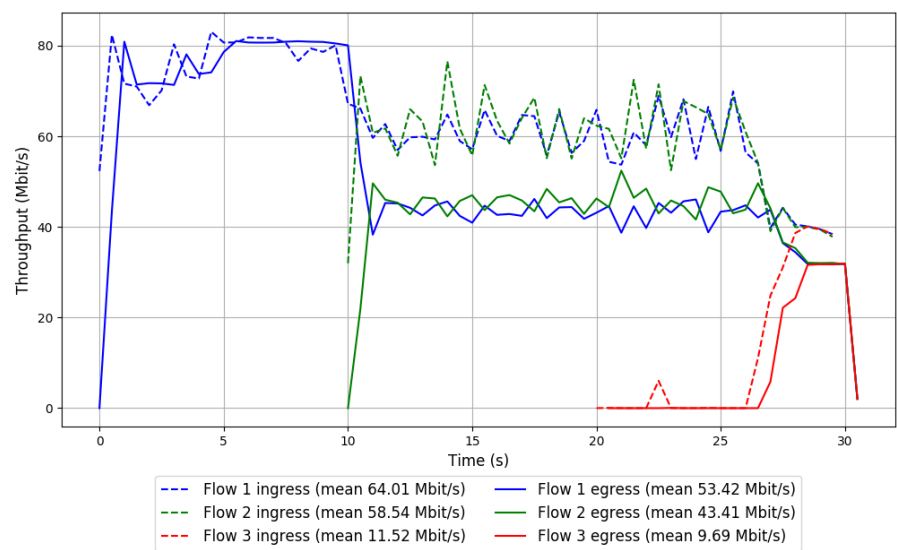


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-07-17 20:13:49
End at: 2018-07-17 20:14:19
Local clock offset: -0.803 ms
Remote clock offset: 0.56 ms

# Below is generated by plot.py at 2018-07-17 20:49:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.37 Mbit/s
95th percentile per-packet one-way delay: 72.253 ms
Loss rate: 20.10%
-- Flow 1:
Average throughput: 53.42 Mbit/s
95th percentile per-packet one-way delay: 71.829 ms
Loss rate: 16.54%
-- Flow 2:
Average throughput: 43.41 Mbit/s
95th percentile per-packet one-way delay: 71.408 ms
Loss rate: 25.84%
-- Flow 3:
Average throughput: 9.69 Mbit/s
95th percentile per-packet one-way delay: 77.475 ms
Loss rate: 21.08%
```

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

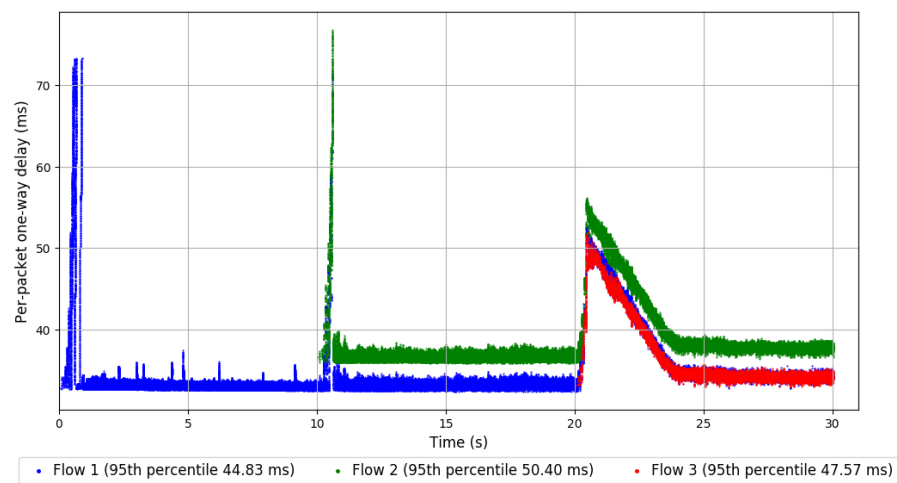
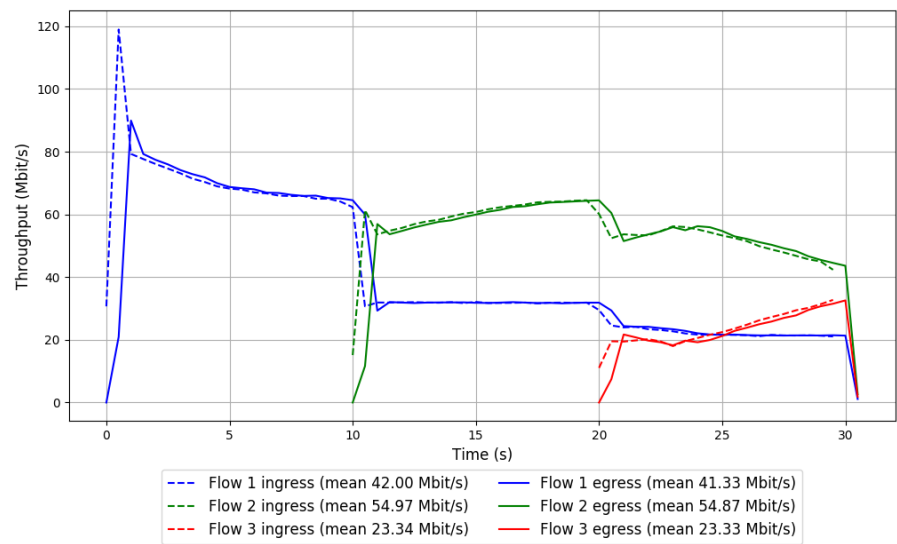


Run 1: Statistics of TCP Vegas

Start at: 2018-07-17 16:55:39
End at: 2018-07-17 16:56:09
Local clock offset: 0.689 ms
Remote clock offset: -14.033 ms

Below is generated by plot.py at 2018-07-17 20:49:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.63 Mbit/s
95th percentile per-packet one-way delay: 48.066 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 41.33 Mbit/s
95th percentile per-packet one-way delay: 44.826 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 54.87 Mbit/s
95th percentile per-packet one-way delay: 50.398 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 23.33 Mbit/s
95th percentile per-packet one-way delay: 47.573 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

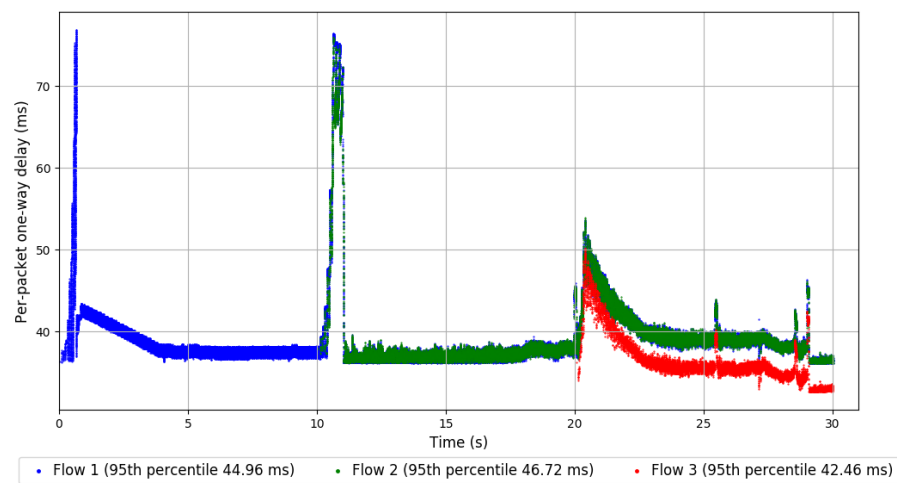
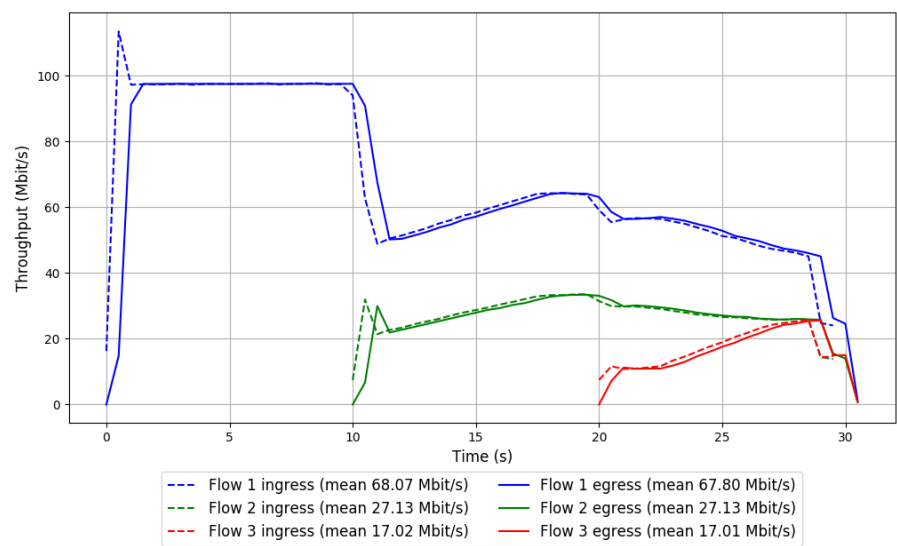


Run 2: Statistics of TCP Vegas

Start at: 2018-07-17 17:18:31
End at: 2018-07-17 17:19:01
Local clock offset: 0.644 ms
Remote clock offset: -4.241 ms

Below is generated by plot.py at 2018-07-17 20:49:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.52 Mbit/s
95th percentile per-packet one-way delay: 45.212 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 67.80 Mbit/s
95th percentile per-packet one-way delay: 44.964 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 27.13 Mbit/s
95th percentile per-packet one-way delay: 46.723 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 17.01 Mbit/s
95th percentile per-packet one-way delay: 42.463 ms
Loss rate: 0.09%

Run 2: Report of TCP Vegas — Data Link

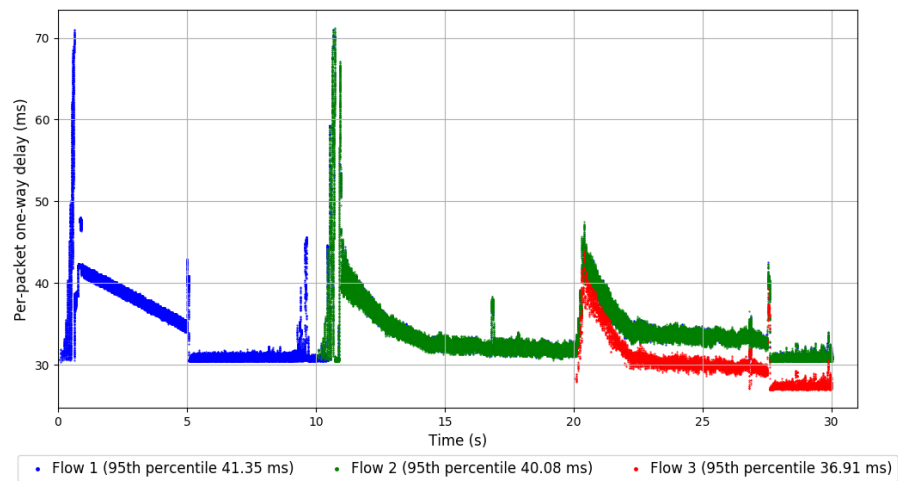
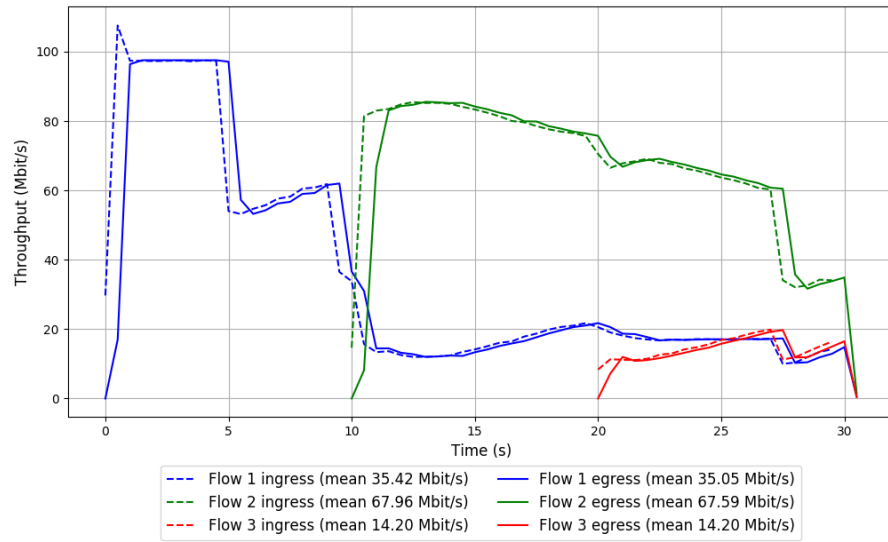


Run 3: Statistics of TCP Vegas

Start at: 2018-07-17 17:41:29
End at: 2018-07-17 17:41:59
Local clock offset: 0.824 ms
Remote clock offset: -8.498 ms

Below is generated by plot.py at 2018-07-17 20:49:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.81 Mbit/s
95th percentile per-packet one-way delay: 40.852 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 35.05 Mbit/s
95th percentile per-packet one-way delay: 41.350 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 67.59 Mbit/s
95th percentile per-packet one-way delay: 40.082 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 14.20 Mbit/s
95th percentile per-packet one-way delay: 36.915 ms
Loss rate: 0.05%

Run 3: Report of TCP Vegas — Data Link

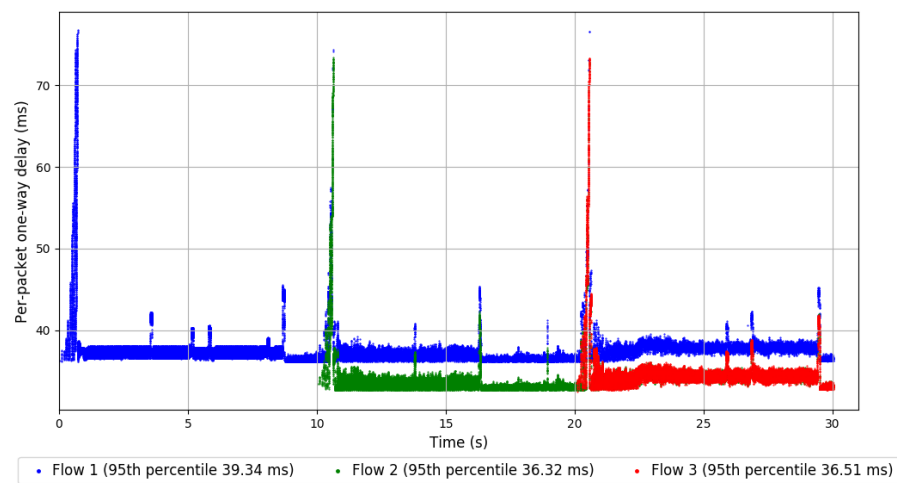
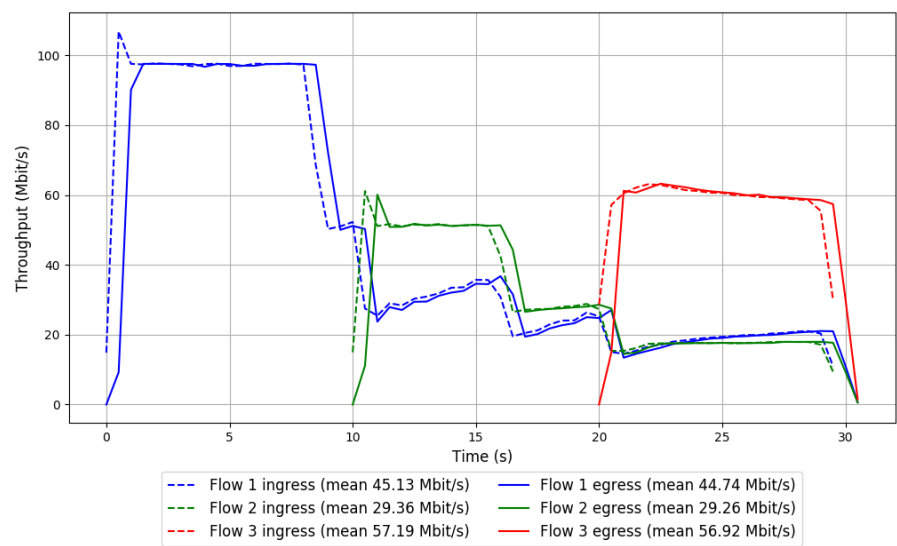


Run 4: Statistics of TCP Vegas

Start at: 2018-07-17 18:04:25
End at: 2018-07-17 18:04:55
Local clock offset: 0.862 ms
Remote clock offset: -2.531 ms

Below is generated by plot.py at 2018-07-17 20:49:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 38.397 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 44.74 Mbit/s
95th percentile per-packet one-way delay: 39.340 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 29.26 Mbit/s
95th percentile per-packet one-way delay: 36.317 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 56.92 Mbit/s
95th percentile per-packet one-way delay: 36.511 ms
Loss rate: 0.48%

Run 4: Report of TCP Vegas — Data Link

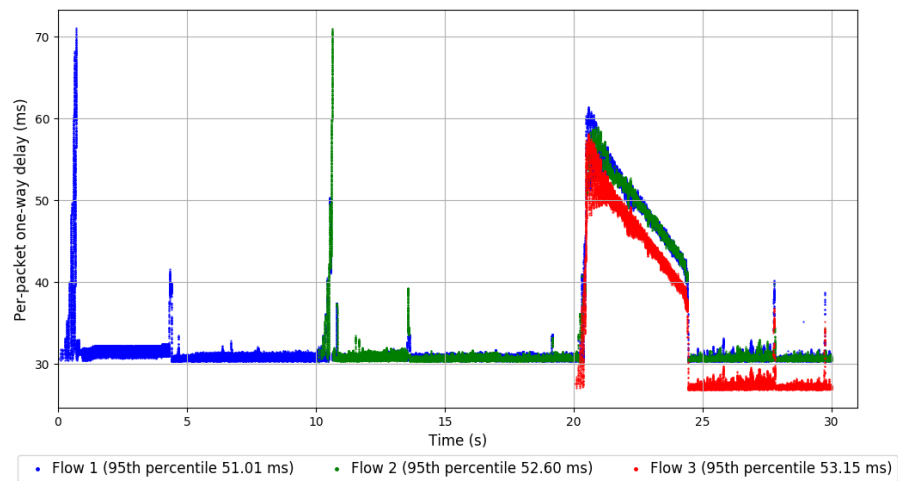
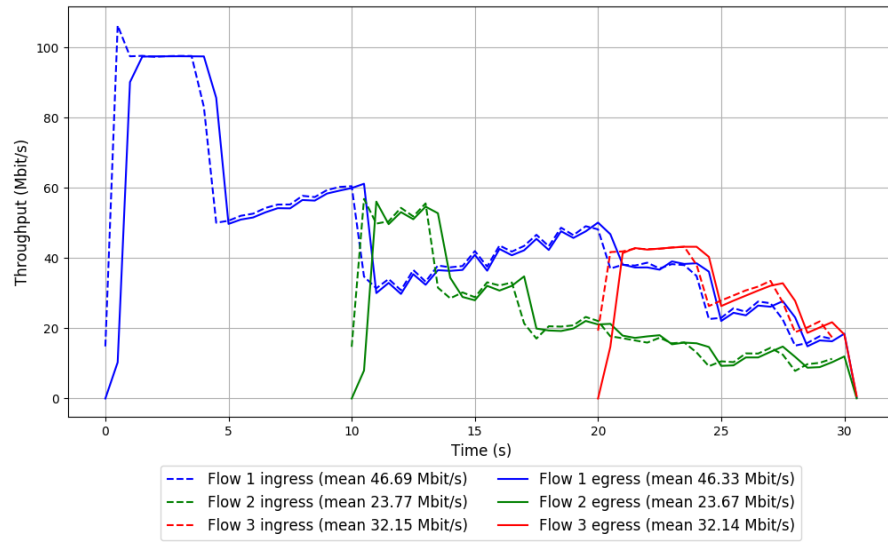


Run 5: Statistics of TCP Vegas

Start at: 2018-07-17 18:27:31
End at: 2018-07-17 18:28:01
Local clock offset: 0.365 ms
Remote clock offset: -9.392 ms

Below is generated by plot.py at 2018-07-17 20:49:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.76 Mbit/s
95th percentile per-packet one-way delay: 52.090 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 46.33 Mbit/s
95th percentile per-packet one-way delay: 51.013 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 23.67 Mbit/s
95th percentile per-packet one-way delay: 52.596 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 32.14 Mbit/s
95th percentile per-packet one-way delay: 53.146 ms
Loss rate: 0.05%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-17 18:50:23

End at: 2018-07-17 18:50:53

Local clock offset: 3.207 ms

Remote clock offset: 5.101 ms

Below is generated by plot.py at 2018-07-17 20:49:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.03 Mbit/s

95th percentile per-packet one-way delay: 49.394 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 75.23 Mbit/s

95th percentile per-packet one-way delay: 47.240 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 18.52 Mbit/s

95th percentile per-packet one-way delay: 49.751 ms

Loss rate: 0.00%

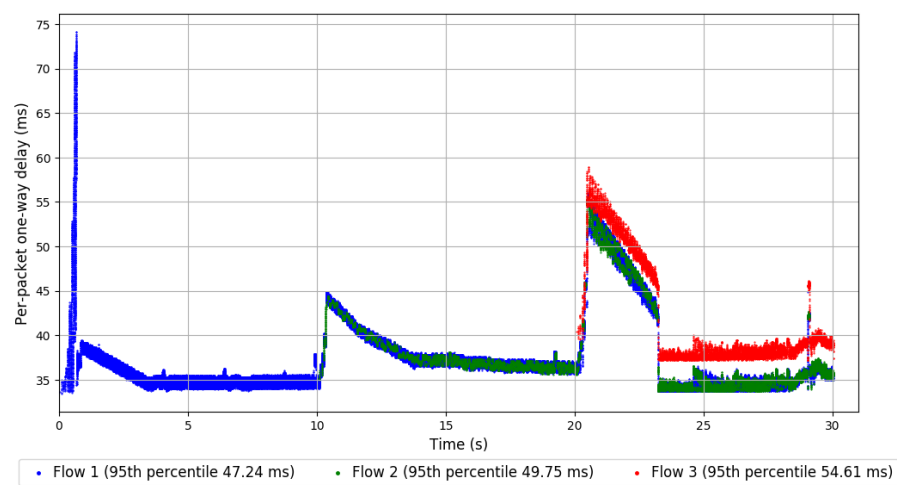
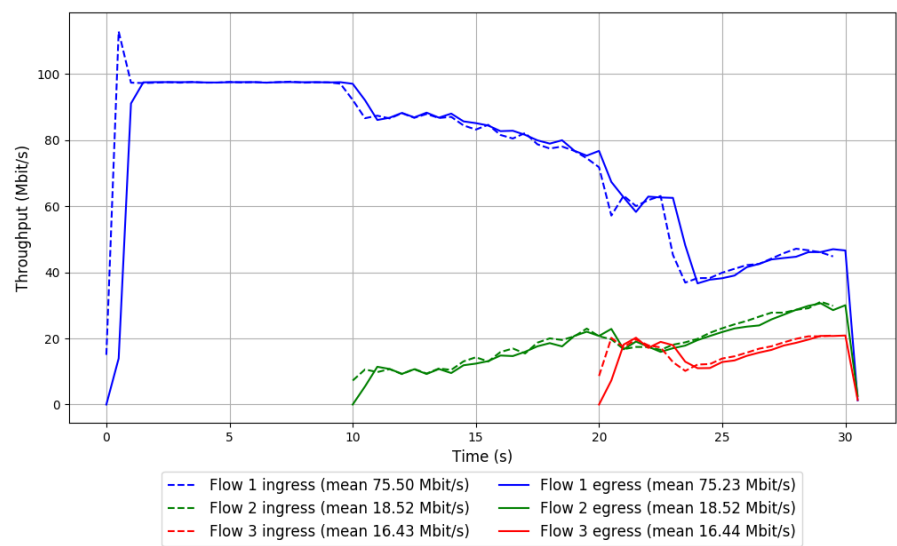
-- Flow 3:

Average throughput: 16.44 Mbit/s

95th percentile per-packet one-way delay: 54.608 ms

Loss rate: 0.02%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-17 19:13:17

End at: 2018-07-17 19:13:47

Local clock offset: 12.253 ms

Remote clock offset: 5.55 ms

Below is generated by plot.py at 2018-07-17 20:49:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 52.759 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 76.89 Mbit/s

95th percentile per-packet one-way delay: 52.034 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 17.93 Mbit/s

95th percentile per-packet one-way delay: 56.346 ms

Loss rate: 0.00%

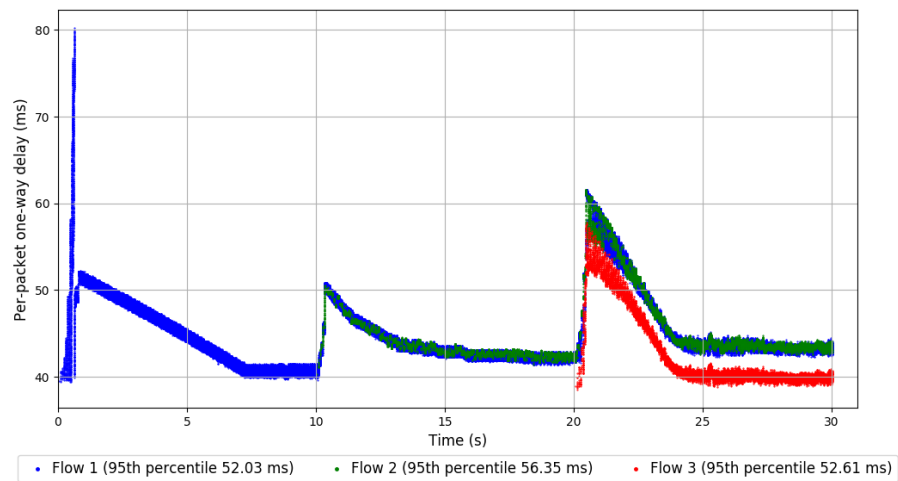
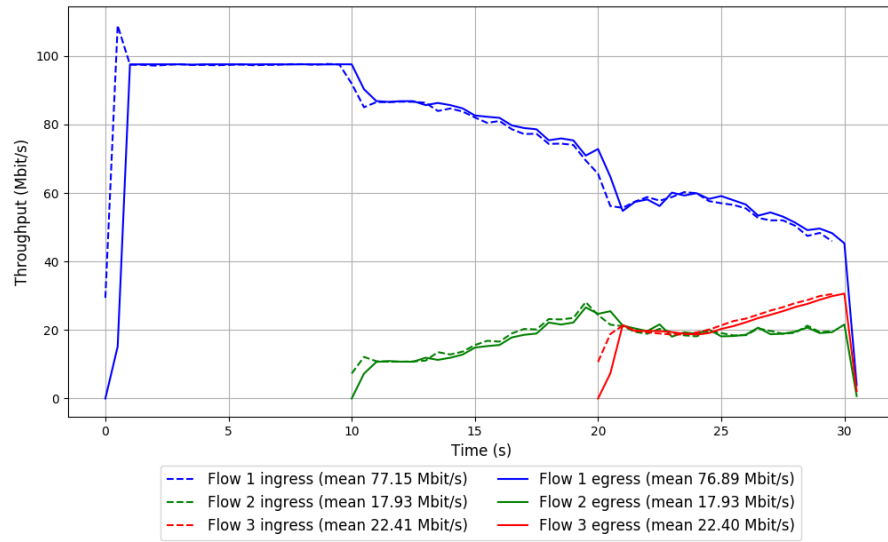
-- Flow 3:

Average throughput: 22.40 Mbit/s

95th percentile per-packet one-way delay: 52.610 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

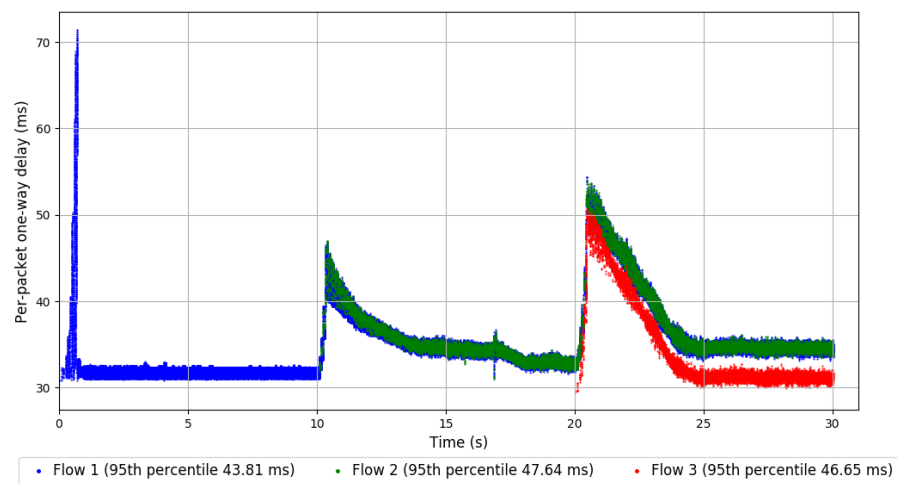
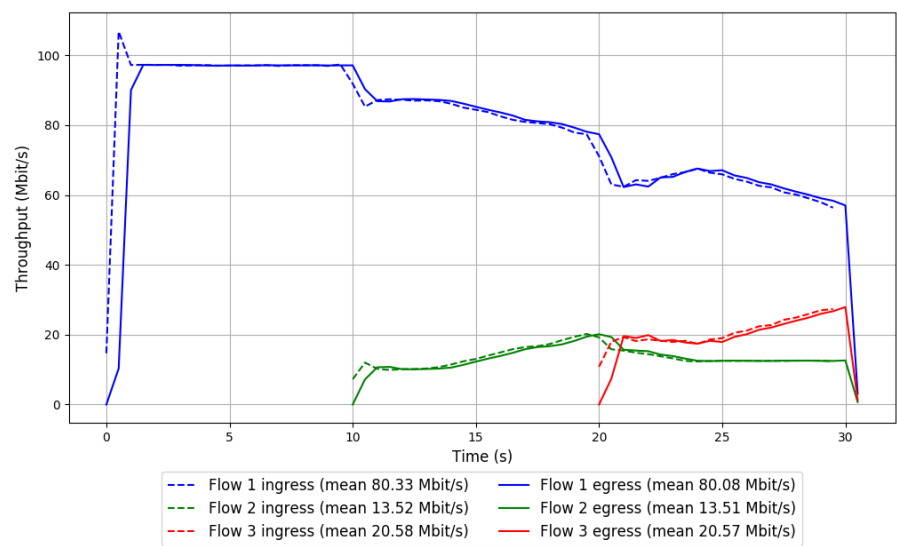


Run 8: Statistics of TCP Vegas

Start at: 2018-07-17 19:36:09
End at: 2018-07-17 19:36:39
Local clock offset: 11.002 ms
Remote clock offset: -11.605 ms

Below is generated by plot.py at 2018-07-17 20:49:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 45.013 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 80.08 Mbit/s
95th percentile per-packet one-way delay: 43.812 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 13.51 Mbit/s
95th percentile per-packet one-way delay: 47.637 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.57 Mbit/s
95th percentile per-packet one-way delay: 46.645 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

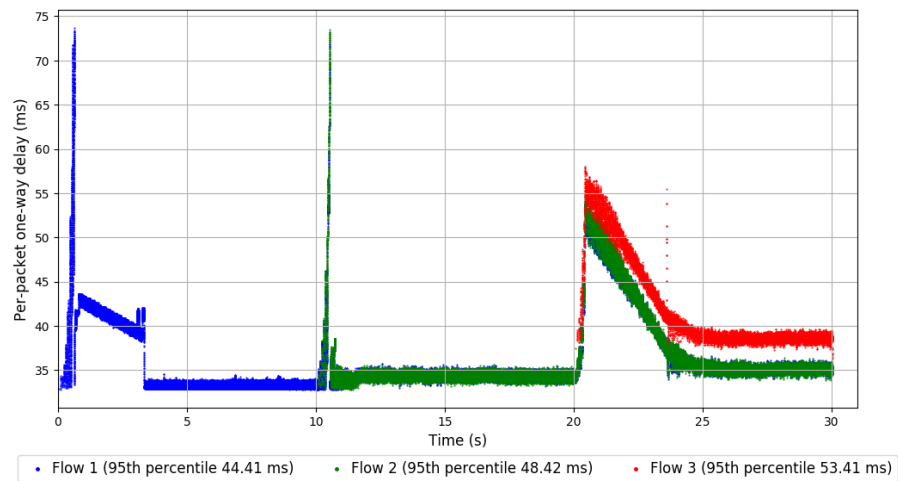
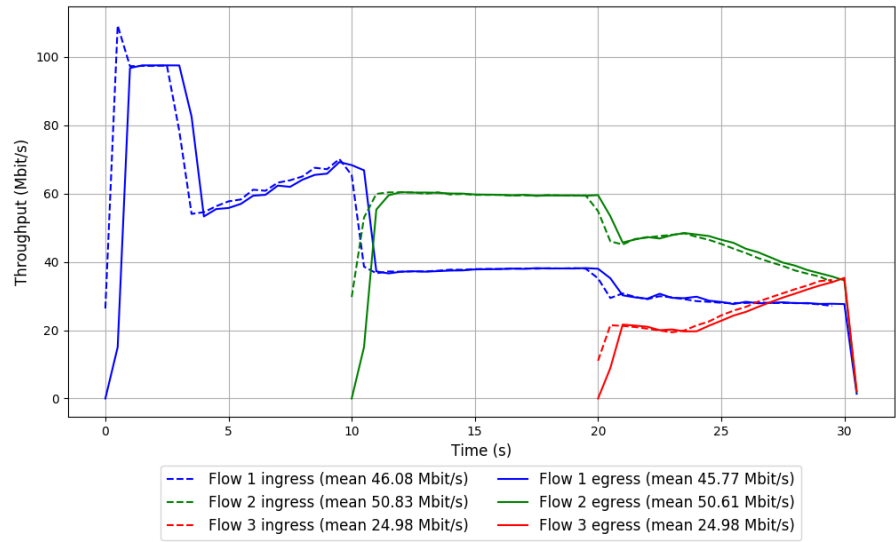


Run 9: Statistics of TCP Vegas

Start at: 2018-07-17 19:59:03
End at: 2018-07-17 19:59:33
Local clock offset: 2.682 ms
Remote clock offset: -4.288 ms

Below is generated by plot.py at 2018-07-17 20:49:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.79 Mbit/s
95th percentile per-packet one-way delay: 47.968 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 45.77 Mbit/s
95th percentile per-packet one-way delay: 44.413 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 50.61 Mbit/s
95th percentile per-packet one-way delay: 48.420 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 24.98 Mbit/s
95th percentile per-packet one-way delay: 53.410 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-17 20:21:58

End at: 2018-07-17 20:22:28

Local clock offset: -0.701 ms

Remote clock offset: 2.998 ms

Below is generated by plot.py at 2018-07-17 20:49:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.72 Mbit/s

95th percentile per-packet one-way delay: 46.674 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 45.07 Mbit/s

95th percentile per-packet one-way delay: 41.858 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 39.35 Mbit/s

95th percentile per-packet one-way delay: 48.122 ms

Loss rate: 0.31%

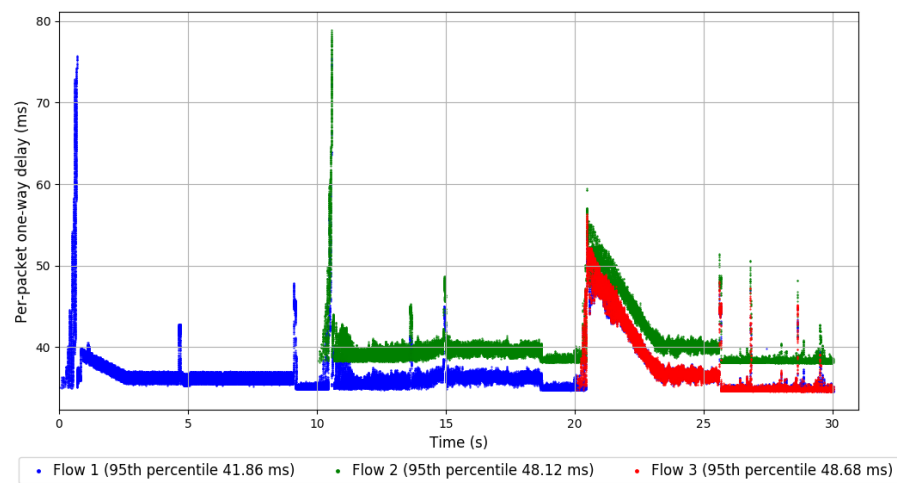
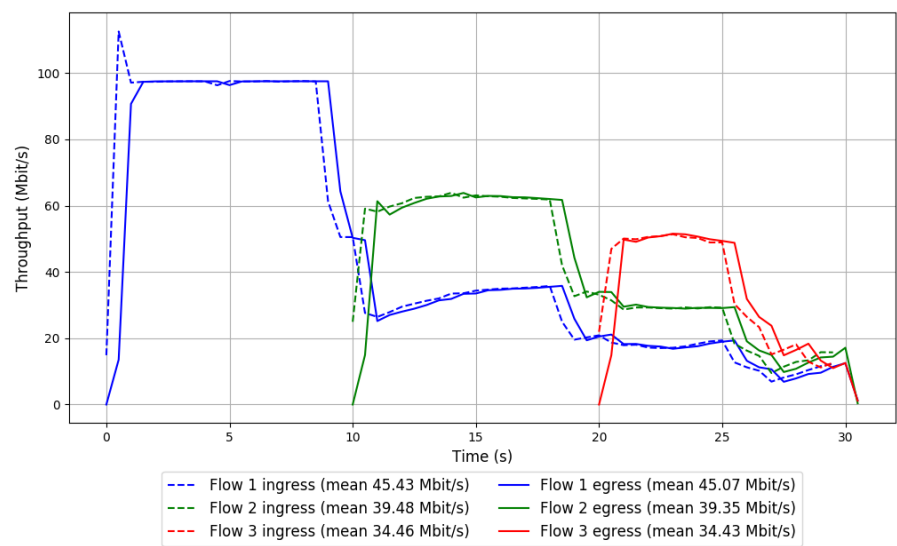
-- Flow 3:

Average throughput: 34.43 Mbit/s

95th percentile per-packet one-way delay: 48.680 ms

Loss rate: 0.08%

Run 10: Report of TCP Vegas — Data Link

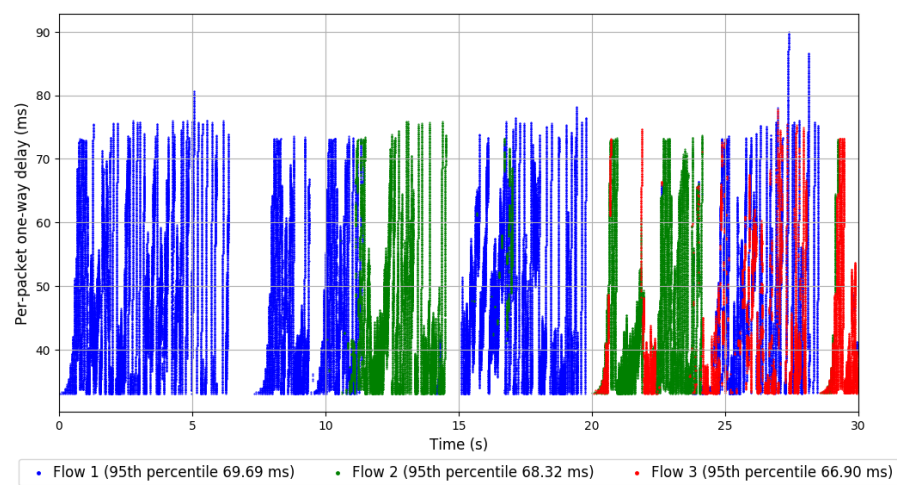
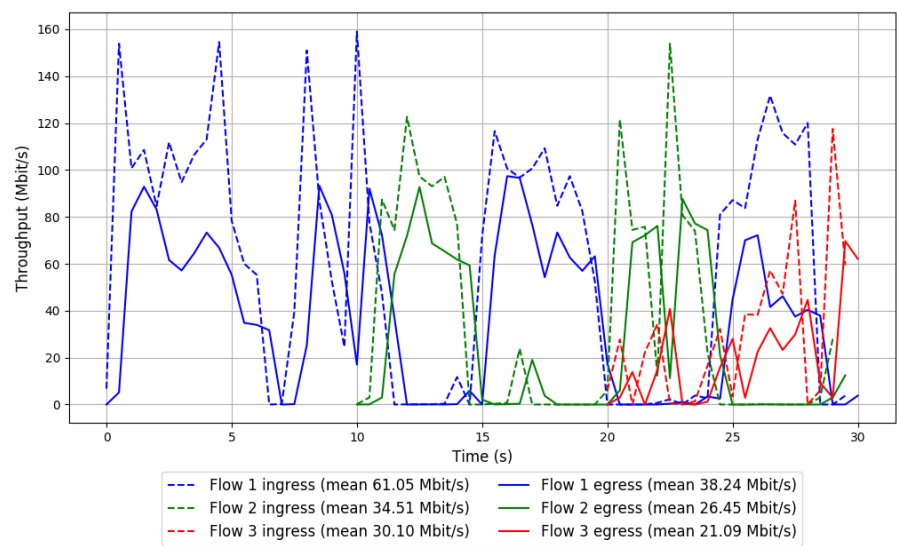


Run 1: Statistics of Verus

Start at: 2018-07-17 16:40:55
End at: 2018-07-17 16:41:25
Local clock offset: 0.947 ms
Remote clock offset: -20.123 ms

Below is generated by plot.py at 2018-07-17 20:49:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.13 Mbit/s
95th percentile per-packet one-way delay: 69.160 ms
Loss rate: 33.28%
-- Flow 1:
Average throughput: 38.24 Mbit/s
95th percentile per-packet one-way delay: 69.690 ms
Loss rate: 37.35%
-- Flow 2:
Average throughput: 26.45 Mbit/s
95th percentile per-packet one-way delay: 68.316 ms
Loss rate: 23.64%
-- Flow 3:
Average throughput: 21.09 Mbit/s
95th percentile per-packet one-way delay: 66.904 ms
Loss rate: 29.88%

Run 1: Report of Verus — Data Link

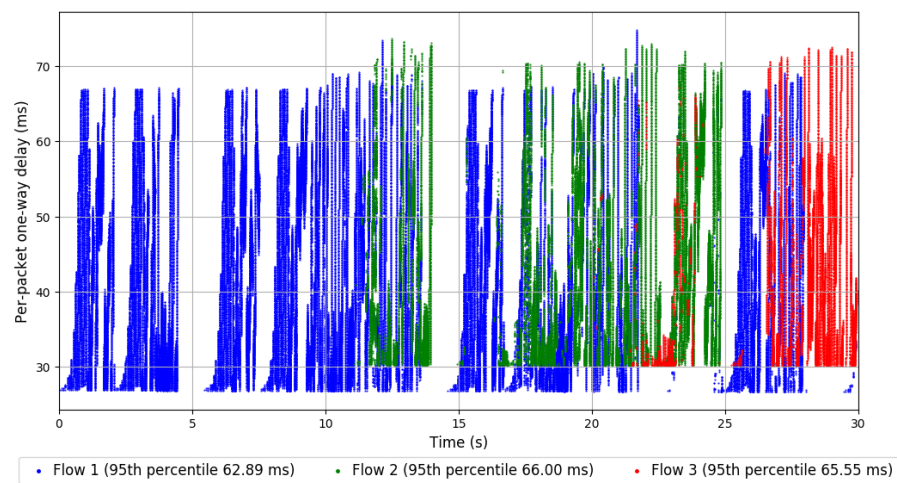
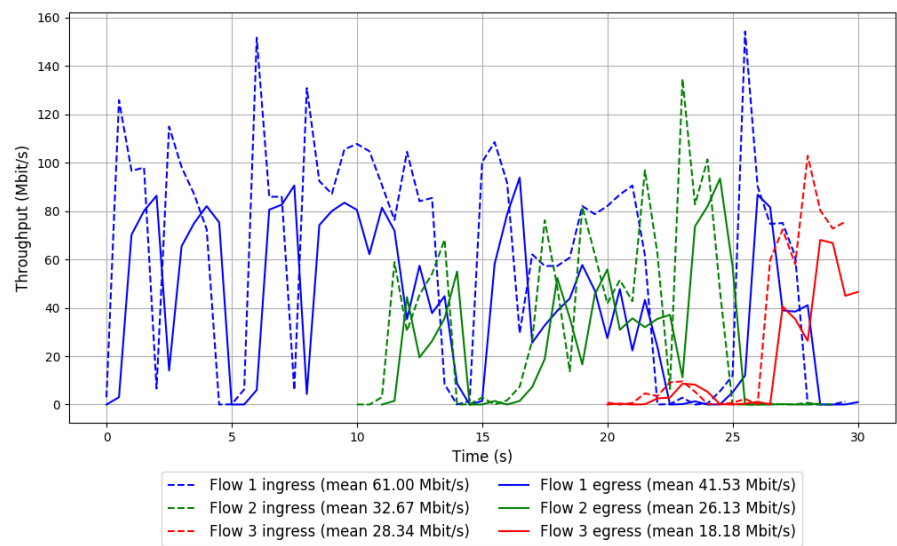


Run 2: Statistics of Verus

Start at: 2018-07-17 17:03:44
End at: 2018-07-17 17:04:14
Local clock offset: 0.584 ms
Remote clock offset: -14.158 ms

Below is generated by plot.py at 2018-07-17 20:49:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.64 Mbit/s
95th percentile per-packet one-way delay: 63.857 ms
Loss rate: 31.29%
-- Flow 1:
Average throughput: 41.53 Mbit/s
95th percentile per-packet one-way delay: 62.889 ms
Loss rate: 31.90%
-- Flow 2:
Average throughput: 26.13 Mbit/s
95th percentile per-packet one-way delay: 66.000 ms
Loss rate: 27.44%
-- Flow 3:
Average throughput: 18.18 Mbit/s
95th percentile per-packet one-way delay: 65.546 ms
Loss rate: 35.88%

Run 2: Report of Verus — Data Link

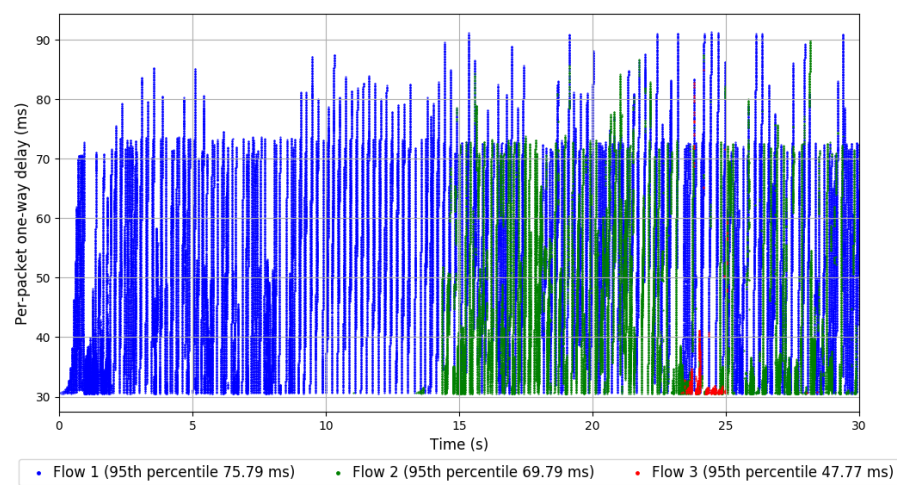
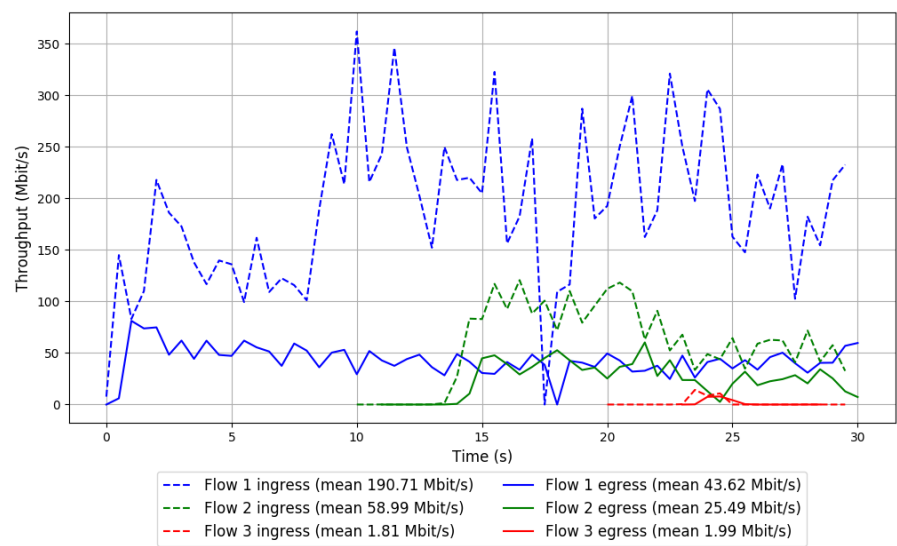


Run 3: Statistics of Verus

Start at: 2018-07-17 17:26:38
End at: 2018-07-17 17:27:09
Local clock offset: 0.703 ms
Remote clock offset: -5.392 ms

Below is generated by plot.py at 2018-07-17 20:50:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.01 Mbit/s
95th percentile per-packet one-way delay: 73.970 ms
Loss rate: 73.93%
-- Flow 1:
Average throughput: 43.62 Mbit/s
95th percentile per-packet one-way delay: 75.786 ms
Loss rate: 77.10%
-- Flow 2:
Average throughput: 25.49 Mbit/s
95th percentile per-packet one-way delay: 69.792 ms
Loss rate: 58.96%
-- Flow 3:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 47.769 ms
Loss rate: 41.03%

Run 3: Report of Verus — Data Link

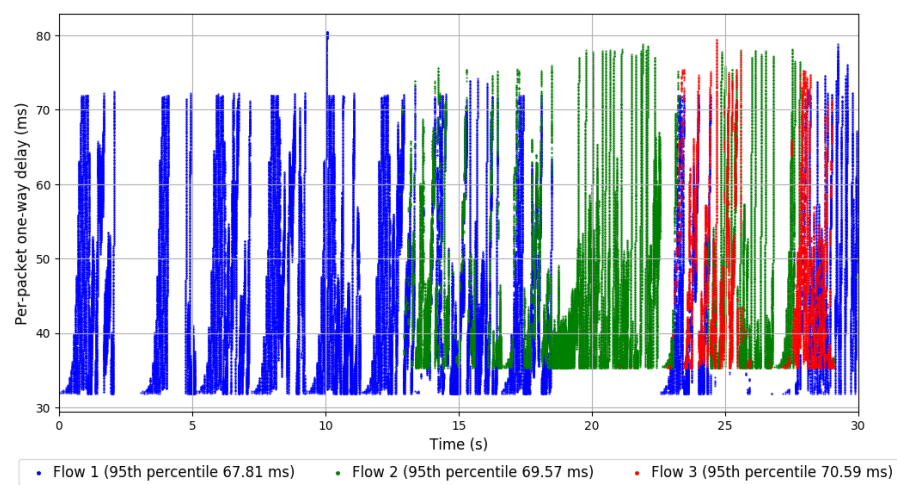
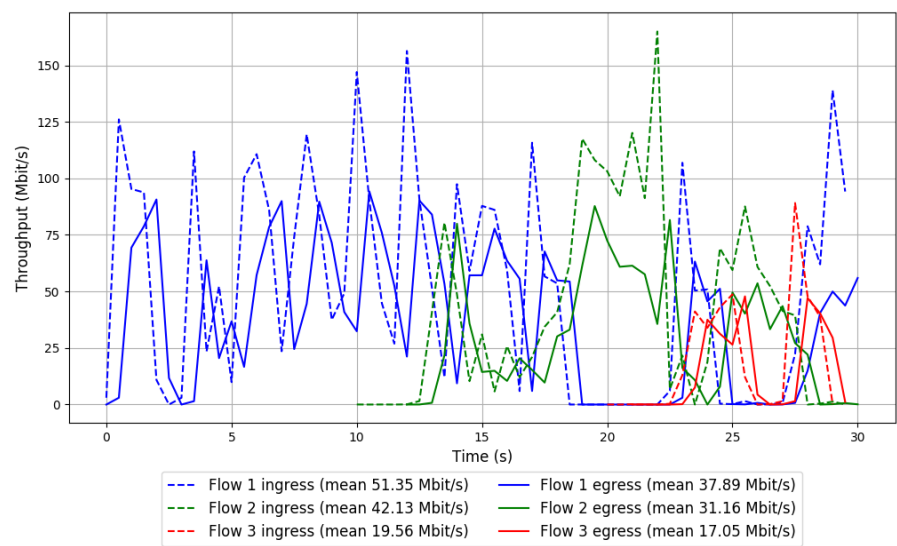


Run 4: Statistics of Verus

Start at: 2018-07-17 17:49:35
End at: 2018-07-17 17:50:05
Local clock offset: 0.857 ms
Remote clock offset: -3.033 ms

Below is generated by plot.py at 2018-07-17 20:50:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.04 Mbit/s
95th percentile per-packet one-way delay: 68.445 ms
Loss rate: 28.52%
-- Flow 1:
Average throughput: 37.89 Mbit/s
95th percentile per-packet one-way delay: 67.808 ms
Loss rate: 26.12%
-- Flow 2:
Average throughput: 31.16 Mbit/s
95th percentile per-packet one-way delay: 69.573 ms
Loss rate: 33.54%
-- Flow 3:
Average throughput: 17.05 Mbit/s
95th percentile per-packet one-way delay: 70.589 ms
Loss rate: 25.68%

Run 4: Report of Verus — Data Link

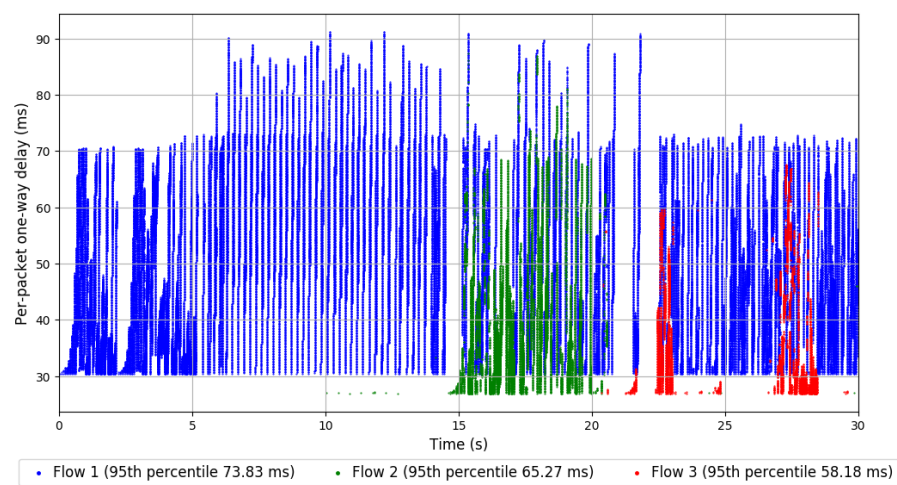
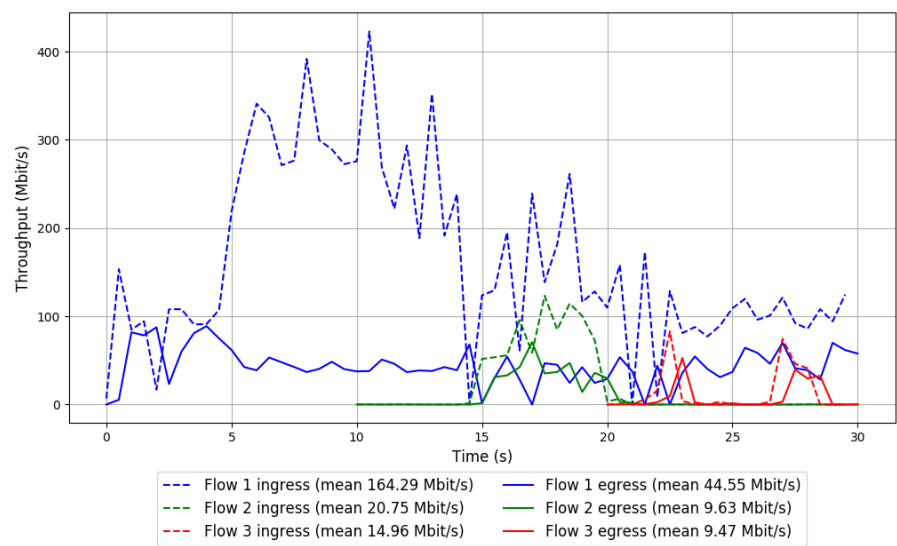


Run 5: Statistics of Verus

Start at: 2018-07-17 18:12:34
End at: 2018-07-17 18:13:04
Local clock offset: 0.94 ms
Remote clock offset: -9.112 ms

Below is generated by plot.py at 2018-07-17 20:50:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.88 Mbit/s
95th percentile per-packet one-way delay: 72.320 ms
Loss rate: 70.49%
-- Flow 1:
Average throughput: 44.55 Mbit/s
95th percentile per-packet one-way delay: 73.832 ms
Loss rate: 72.86%
-- Flow 2:
Average throughput: 9.63 Mbit/s
95th percentile per-packet one-way delay: 65.268 ms
Loss rate: 53.53%
-- Flow 3:
Average throughput: 9.47 Mbit/s
95th percentile per-packet one-way delay: 58.182 ms
Loss rate: 37.12%

Run 5: Report of Verus — Data Link

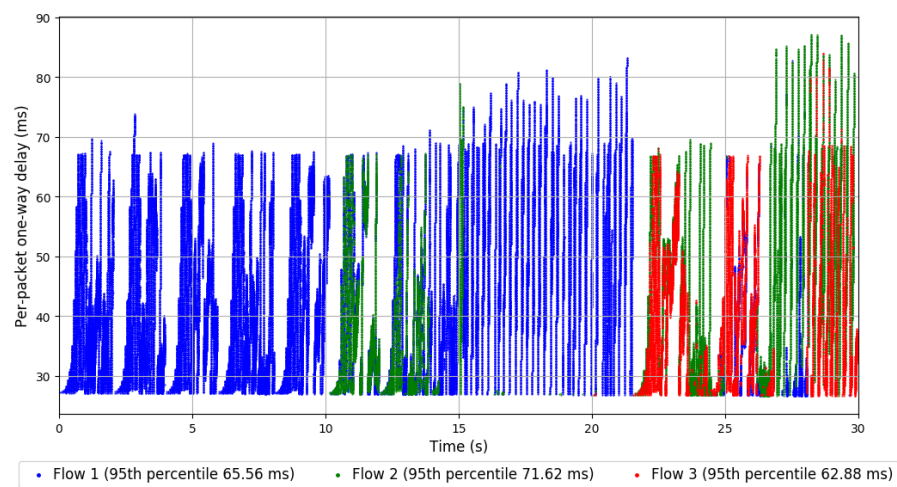
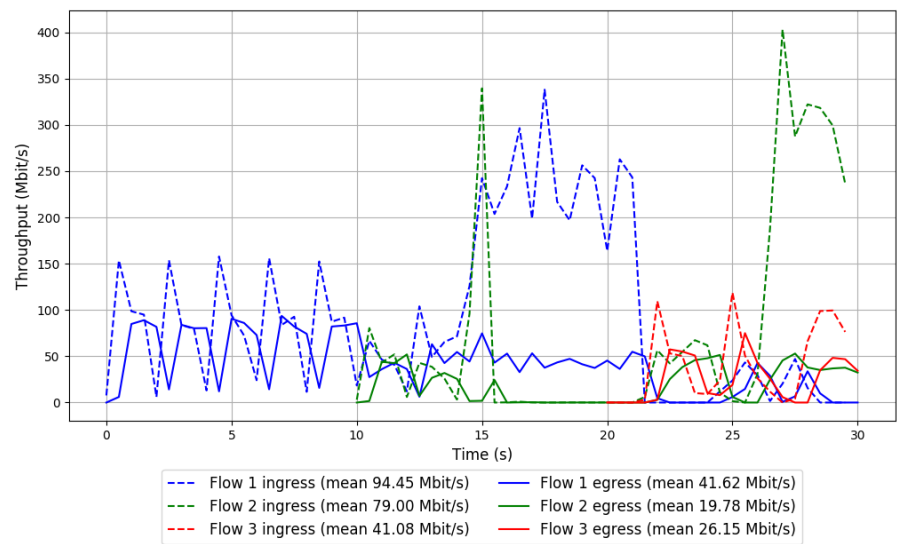


Run 6: Statistics of Verus

Start at: 2018-07-17 18:35:35
End at: 2018-07-17 18:36:05
Local clock offset: 0.125 ms
Remote clock offset: -8.268 ms

Below is generated by plot.py at 2018-07-17 20:50:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.89 Mbit/s
95th percentile per-packet one-way delay: 66.038 ms
Loss rate: 60.54%
-- Flow 1:
Average throughput: 41.62 Mbit/s
95th percentile per-packet one-way delay: 65.560 ms
Loss rate: 56.03%
-- Flow 2:
Average throughput: 19.78 Mbit/s
95th percentile per-packet one-way delay: 71.620 ms
Loss rate: 74.96%
-- Flow 3:
Average throughput: 26.15 Mbit/s
95th percentile per-packet one-way delay: 62.875 ms
Loss rate: 36.28%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-17 18:58:29

End at: 2018-07-17 18:58:59

Local clock offset: 8.198 ms

Remote clock offset: 4.509 ms

Below is generated by plot.py at 2018-07-17 20:50:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.21 Mbit/s

95th percentile per-packet one-way delay: 67.404 ms

Loss rate: 39.96%

-- Flow 1:

Average throughput: 47.84 Mbit/s

95th percentile per-packet one-way delay: 67.736 ms

Loss rate: 43.43%

-- Flow 2:

Average throughput: 21.34 Mbit/s

95th percentile per-packet one-way delay: 66.228 ms

Loss rate: 24.16%

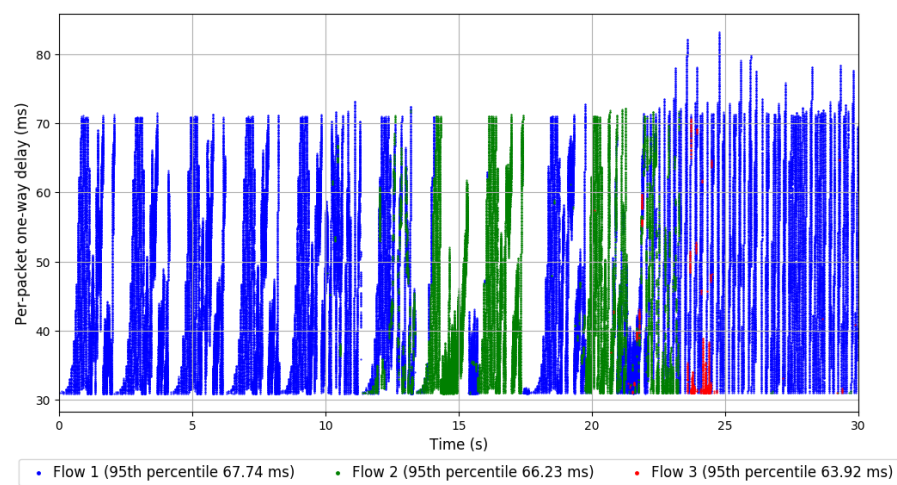
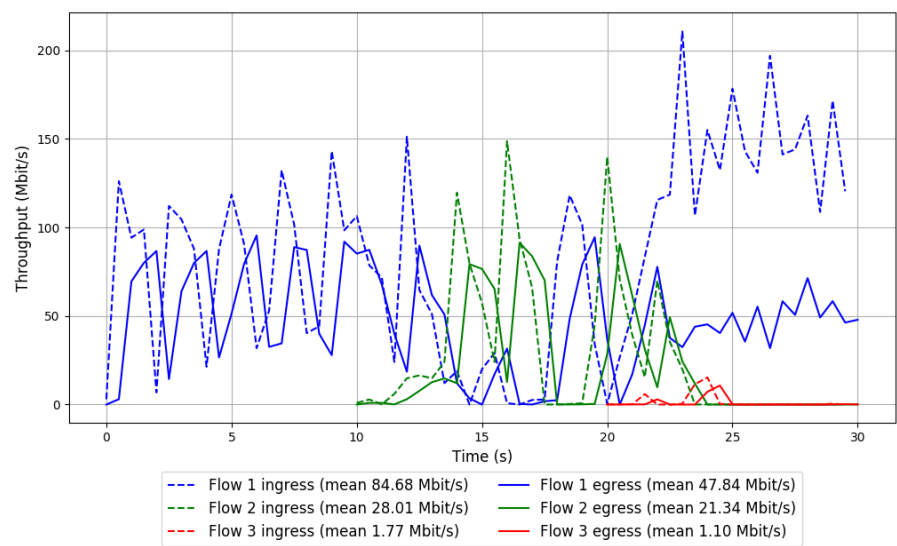
-- Flow 3:

Average throughput: 1.10 Mbit/s

95th percentile per-packet one-way delay: 63.919 ms

Loss rate: 37.81%

Run 7: Report of Verus — Data Link

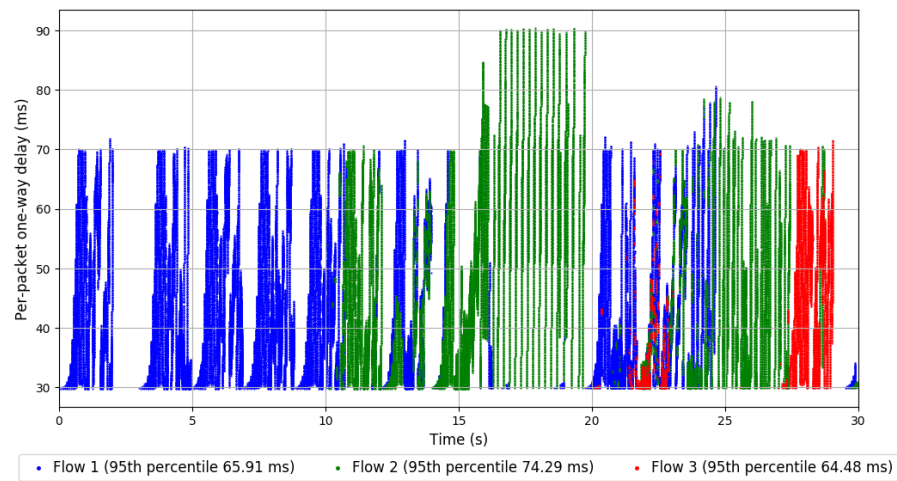
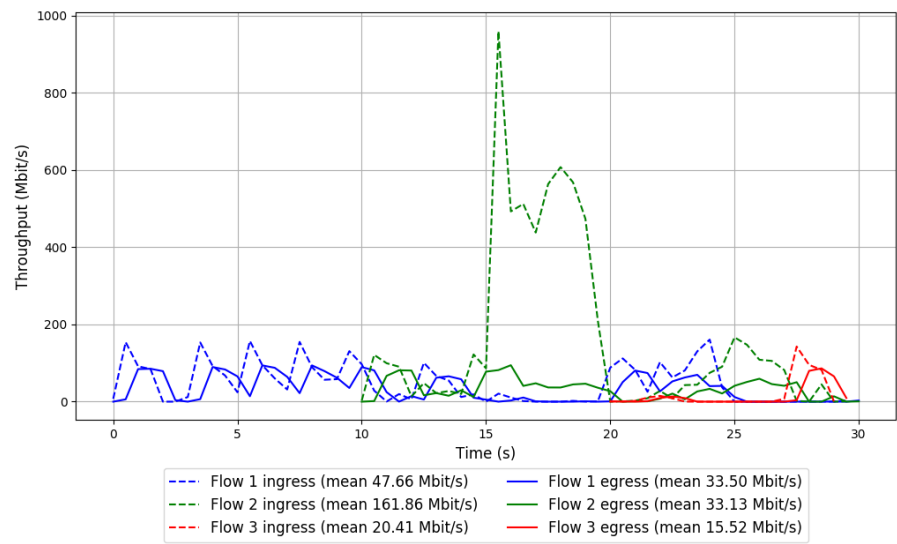


Run 8: Statistics of Verus

Start at: 2018-07-17 19:21:25
End at: 2018-07-17 19:21:55
Local clock offset: 11.849 ms
Remote clock offset: -5.767 ms

Below is generated by plot.py at 2018-07-17 20:50:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.12 Mbit/s
95th percentile per-packet one-way delay: 68.304 ms
Loss rate: 62.74%
-- Flow 1:
Average throughput: 33.50 Mbit/s
95th percentile per-packet one-way delay: 65.907 ms
Loss rate: 29.70%
-- Flow 2:
Average throughput: 33.13 Mbit/s
95th percentile per-packet one-way delay: 74.294 ms
Loss rate: 79.56%
-- Flow 3:
Average throughput: 15.52 Mbit/s
95th percentile per-packet one-way delay: 64.479 ms
Loss rate: 23.88%

Run 8: Report of Verus — Data Link

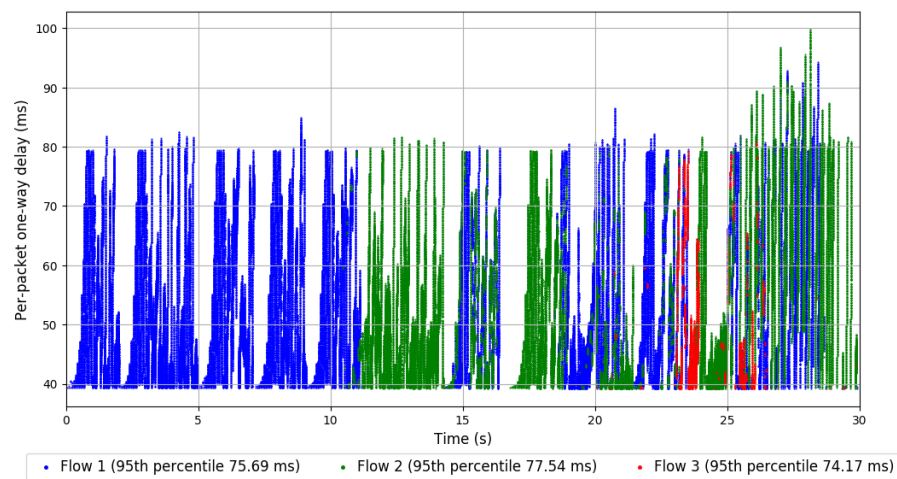
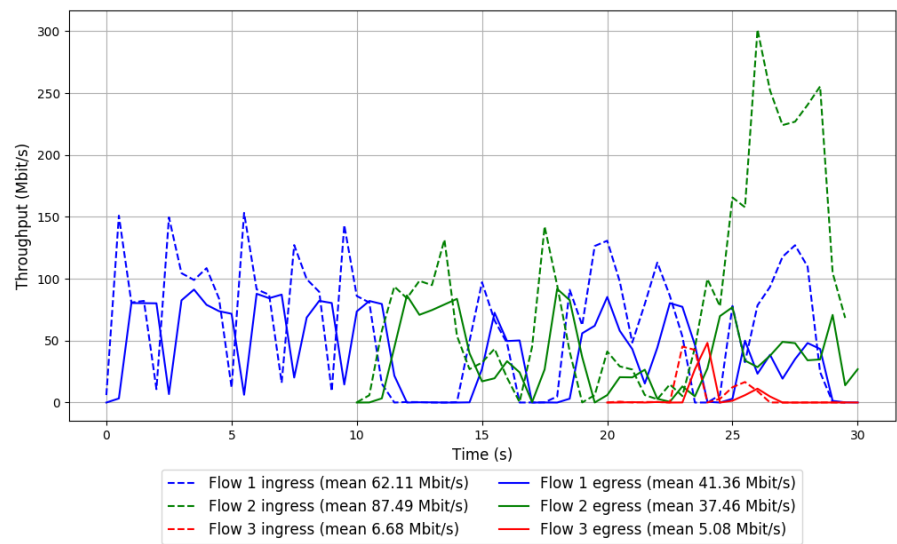


Run 9: Statistics of Verus

Start at: 2018-07-17 19:44:15
End at: 2018-07-17 19:44:45
Local clock offset: 11.313 ms
Remote clock offset: -3.388 ms

Below is generated by plot.py at 2018-07-17 20:50:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.51 Mbit/s
95th percentile per-packet one-way delay: 76.284 ms
Loss rate: 44.43%
-- Flow 1:
Average throughput: 41.36 Mbit/s
95th percentile per-packet one-way delay: 75.691 ms
Loss rate: 33.40%
-- Flow 2:
Average throughput: 37.46 Mbit/s
95th percentile per-packet one-way delay: 77.542 ms
Loss rate: 57.19%
-- Flow 3:
Average throughput: 5.08 Mbit/s
95th percentile per-packet one-way delay: 74.175 ms
Loss rate: 23.93%

Run 9: Report of Verus — Data Link

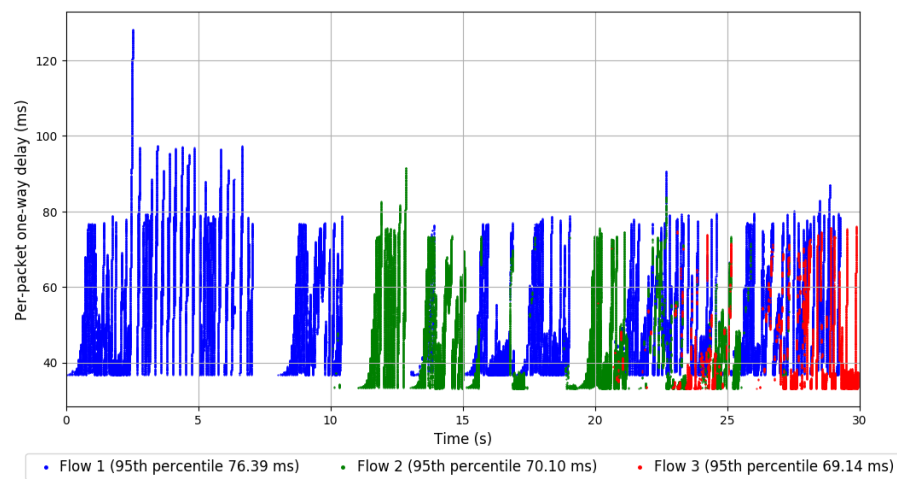
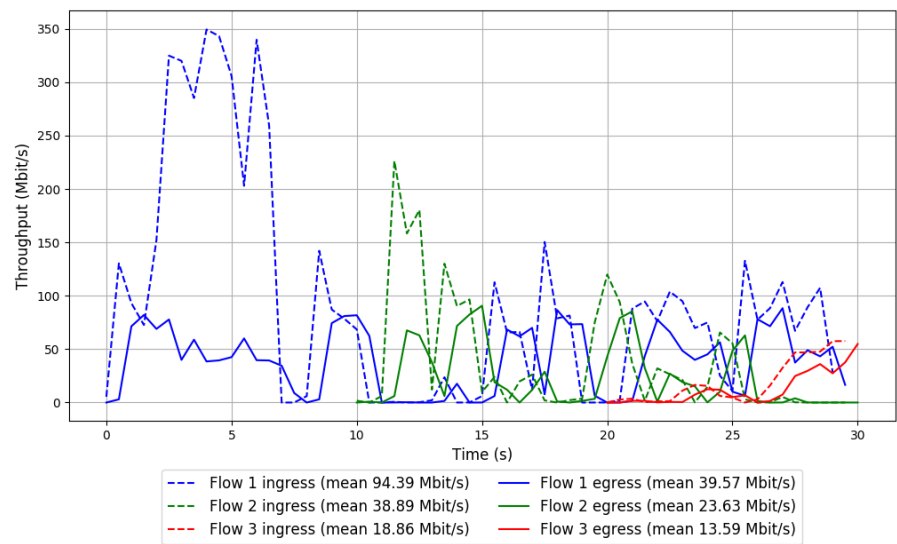


Run 10: Statistics of Verus

Start at: 2018-07-17 20:07:10
End at: 2018-07-17 20:07:40
Local clock offset: 0.287 ms
Remote clock offset: -3.923 ms

Below is generated by plot.py at 2018-07-17 20:50:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.75 Mbit/s
95th percentile per-packet one-way delay: 74.738 ms
Loss rate: 52.67%
-- Flow 1:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 76.386 ms
Loss rate: 58.03%
-- Flow 2:
Average throughput: 23.63 Mbit/s
95th percentile per-packet one-way delay: 70.096 ms
Loss rate: 39.46%
-- Flow 3:
Average throughput: 13.59 Mbit/s
95th percentile per-packet one-way delay: 69.139 ms
Loss rate: 28.04%

Run 10: Report of Verus — Data Link

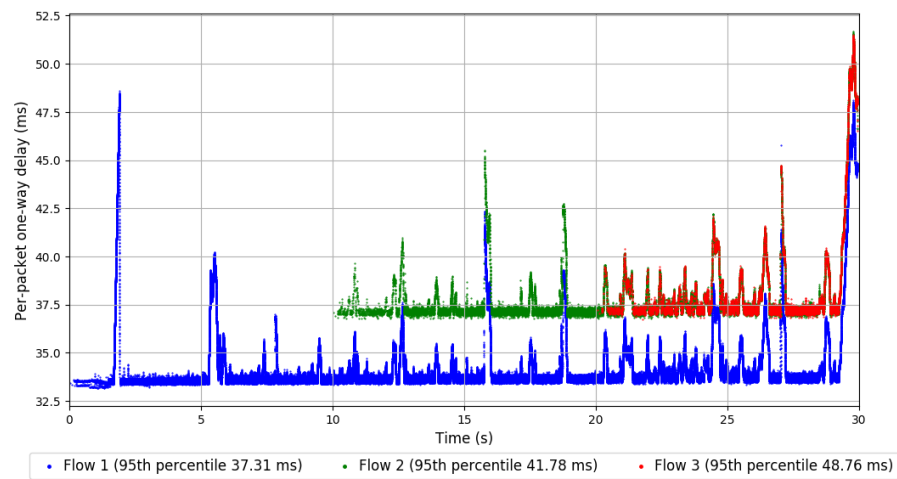
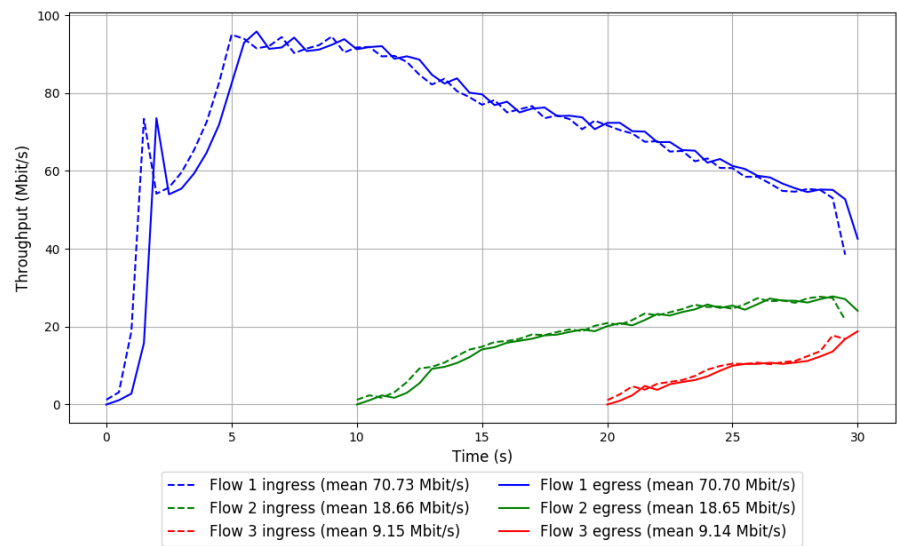


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-17 16:44:50
End at: 2018-07-17 16:45:20
Local clock offset: 1.082 ms
Remote clock offset: -16.708 ms

Below is generated by plot.py at 2018-07-17 20:51:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.12 Mbit/s
95th percentile per-packet one-way delay: 39.109 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 70.70 Mbit/s
95th percentile per-packet one-way delay: 37.314 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 18.65 Mbit/s
95th percentile per-packet one-way delay: 41.783 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 9.14 Mbit/s
95th percentile per-packet one-way delay: 48.761 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

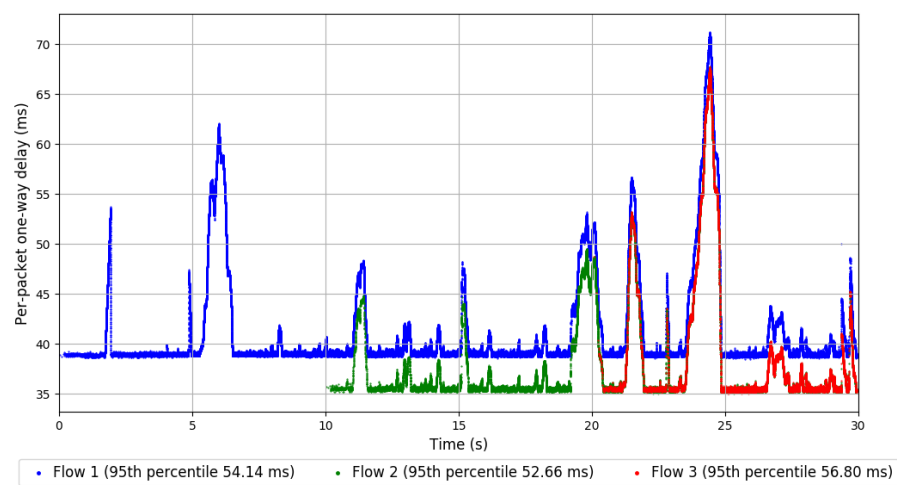
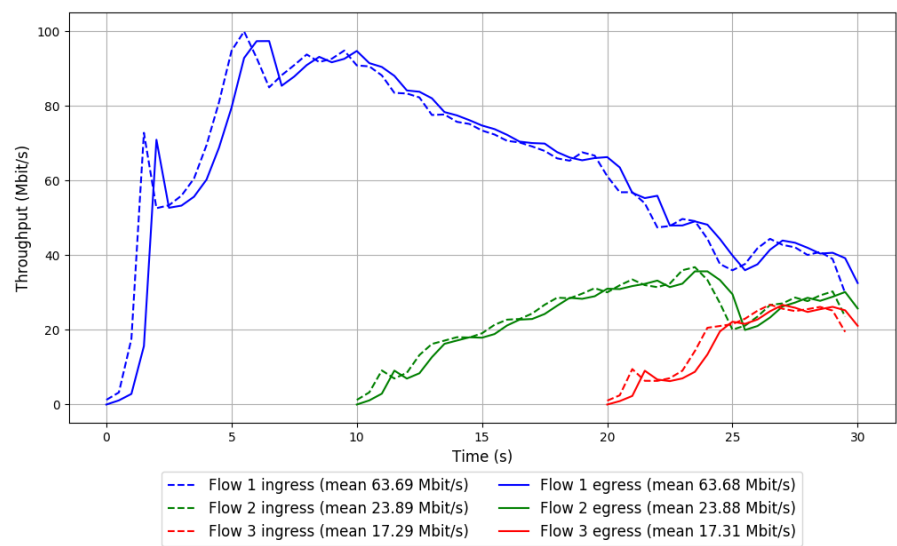


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-17 17:07:40
End at: 2018-07-17 17:08:10
Local clock offset: 0.563 ms
Remote clock offset: -4.217 ms

Below is generated by plot.py at 2018-07-17 20:51:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.27 Mbit/s
95th percentile per-packet one-way delay: 54.275 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 63.68 Mbit/s
95th percentile per-packet one-way delay: 54.136 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 23.88 Mbit/s
95th percentile per-packet one-way delay: 52.664 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 17.31 Mbit/s
95th percentile per-packet one-way delay: 56.799 ms
Loss rate: 0.05%

Run 2: Report of PCC-Vivace — Data Link

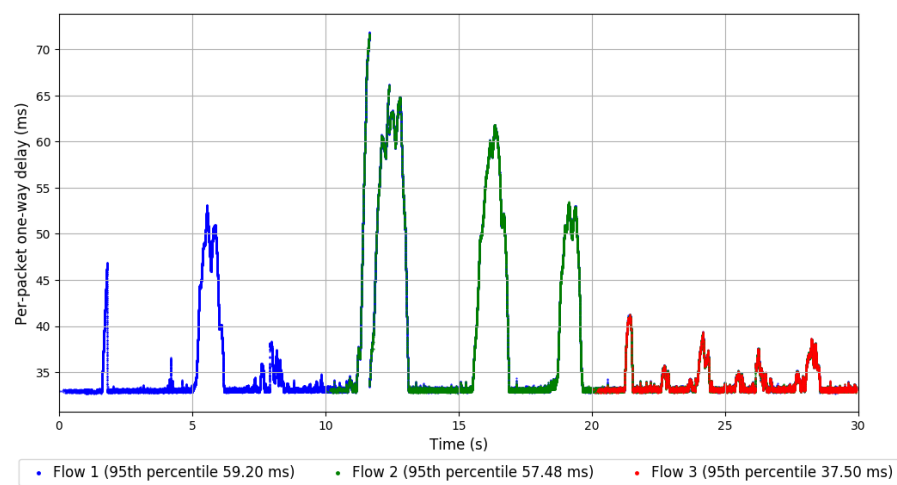
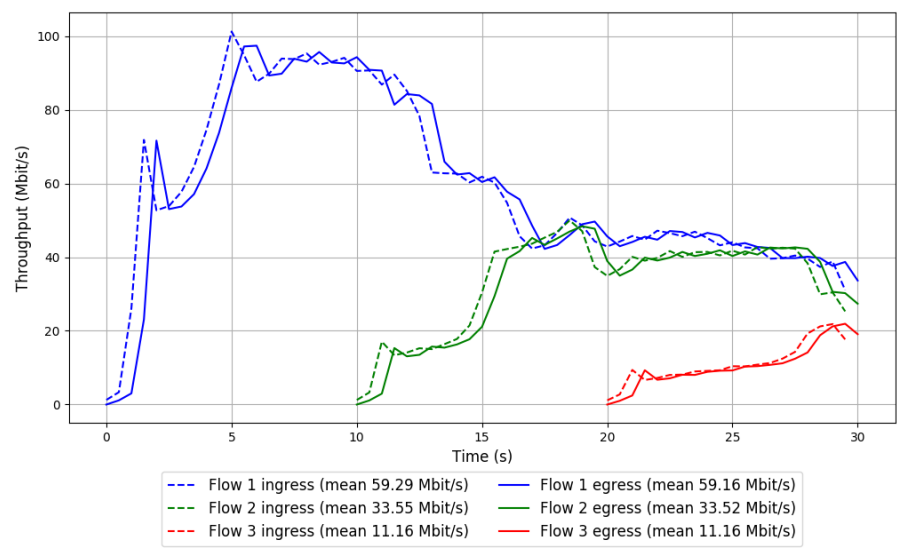


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-17 17:30:36
End at: 2018-07-17 17:31:06
Local clock offset: 0.645 ms
Remote clock offset: -3.172 ms

Below is generated by plot.py at 2018-07-17 20:51:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.14 Mbit/s
95th percentile per-packet one-way delay: 58.566 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 59.16 Mbit/s
95th percentile per-packet one-way delay: 59.197 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 33.52 Mbit/s
95th percentile per-packet one-way delay: 57.481 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 11.16 Mbit/s
95th percentile per-packet one-way delay: 37.496 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-17 17:53:32

End at: 2018-07-17 17:54:02

Local clock offset: 0.859 ms

Remote clock offset: 0.677 ms

Below is generated by plot.py at 2018-07-17 20:51:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.16 Mbit/s

95th percentile per-packet one-way delay: 55.931 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 64.66 Mbit/s

95th percentile per-packet one-way delay: 56.126 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 25.86 Mbit/s

95th percentile per-packet one-way delay: 54.926 ms

Loss rate: 0.18%

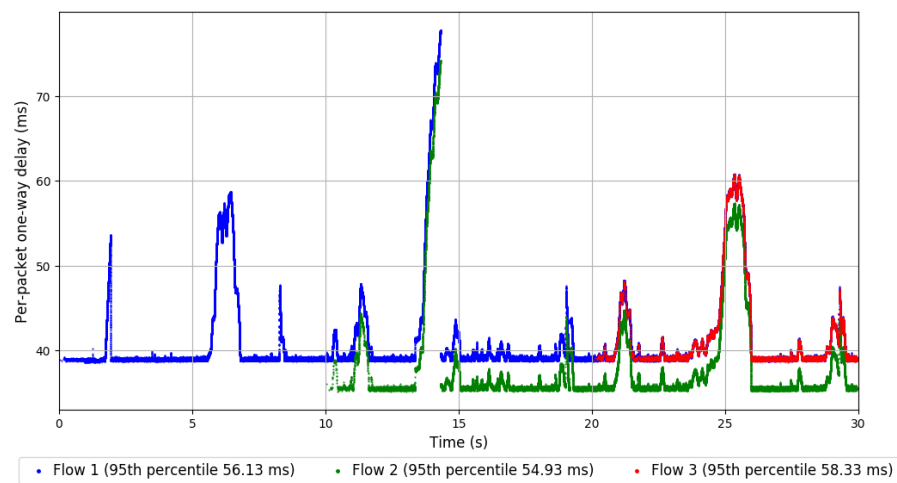
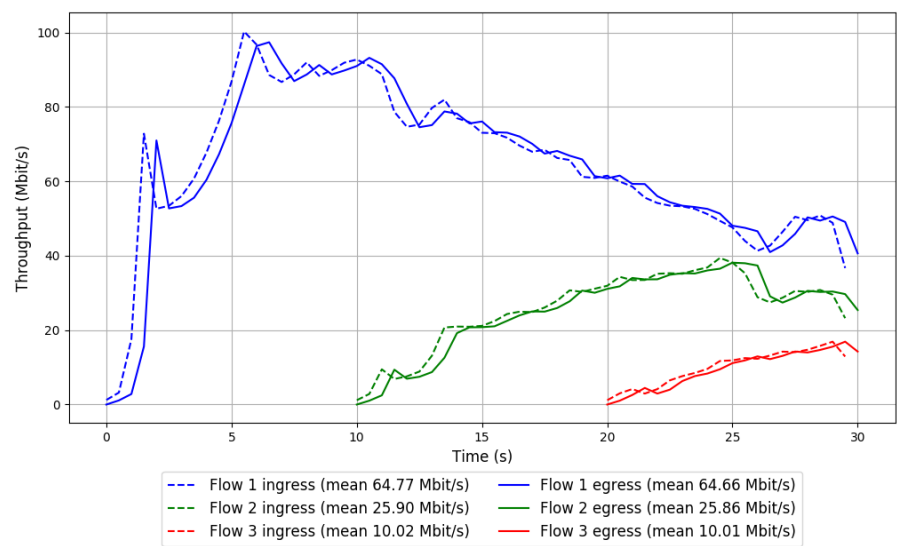
-- Flow 3:

Average throughput: 10.01 Mbit/s

95th percentile per-packet one-way delay: 58.325 ms

Loss rate: 0.06%

Run 4: Report of PCC-Vivace — Data Link

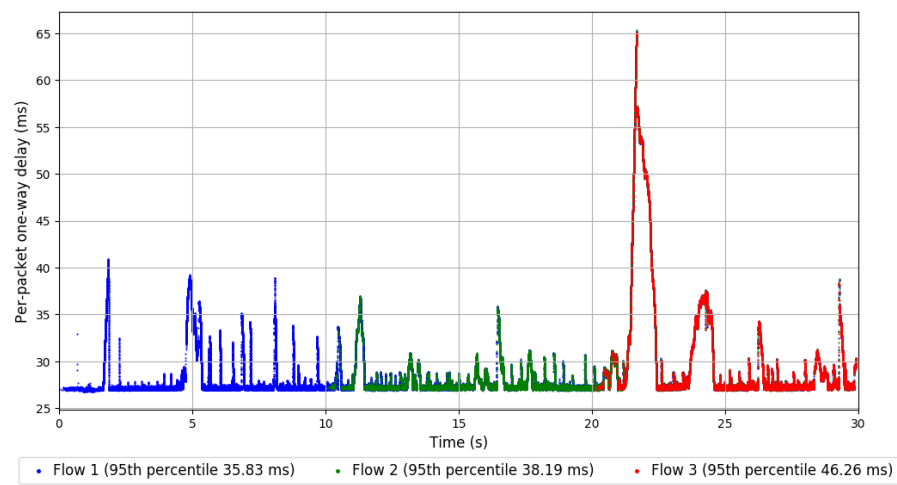
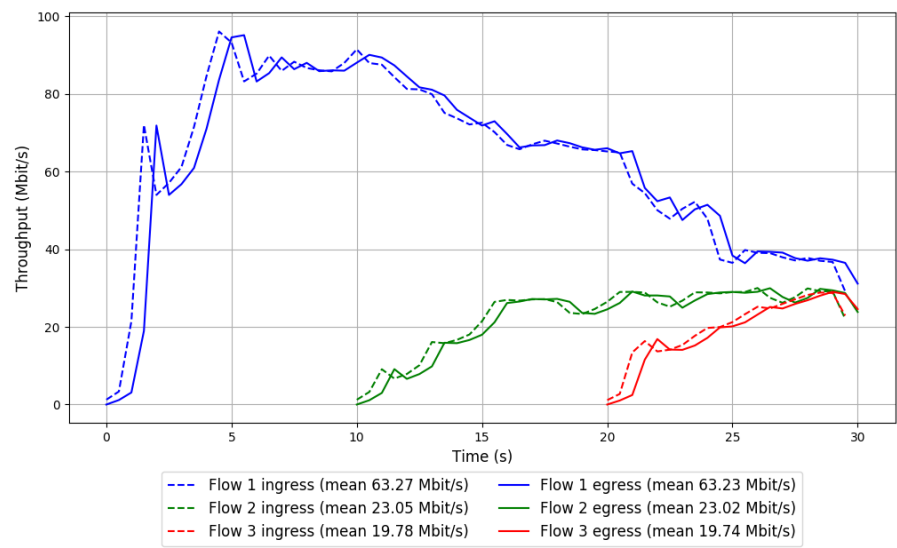


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-17 18:16:30
End at: 2018-07-17 18:17:00
Local clock offset: 0.949 ms
Remote clock offset: -9.252 ms

Below is generated by plot.py at 2018-07-17 20:51:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 36.521 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 63.23 Mbit/s
95th percentile per-packet one-way delay: 35.826 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 23.02 Mbit/s
95th percentile per-packet one-way delay: 38.190 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 19.74 Mbit/s
95th percentile per-packet one-way delay: 46.263 ms
Loss rate: 0.18%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-17 18:39:31

End at: 2018-07-17 18:40:01

Local clock offset: 0.179 ms

Remote clock offset: 5.391 ms

Below is generated by plot.py at 2018-07-17 20:51:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.74 Mbit/s

95th percentile per-packet one-way delay: 55.723 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 62.69 Mbit/s

95th percentile per-packet one-way delay: 55.607 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.95 Mbit/s

95th percentile per-packet one-way delay: 57.219 ms

Loss rate: 0.00%

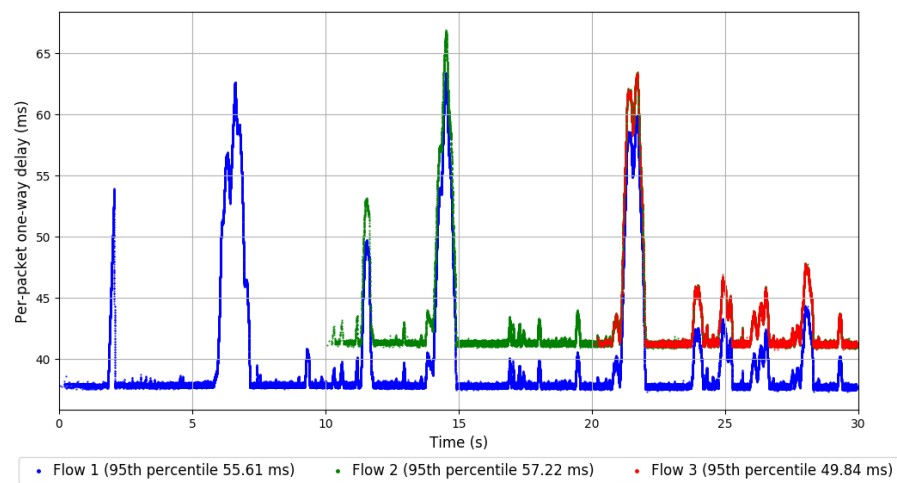
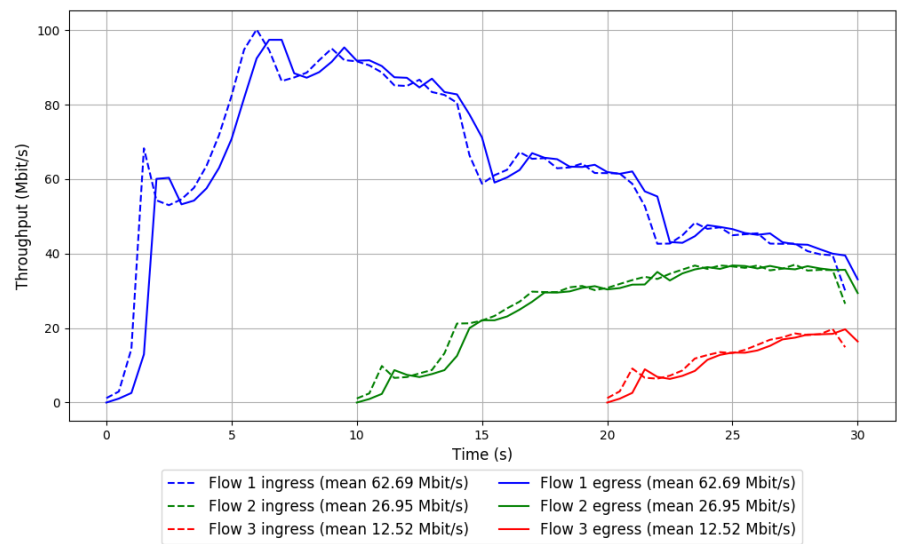
-- Flow 3:

Average throughput: 12.52 Mbit/s

95th percentile per-packet one-way delay: 49.844 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-17 19:02:24

End at: 2018-07-17 19:02:54

Local clock offset: 9.752 ms

Remote clock offset: 7.143 ms

Below is generated by plot.py at 2018-07-17 20:51:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.61 Mbit/s

95th percentile per-packet one-way delay: 49.229 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 60.82 Mbit/s

95th percentile per-packet one-way delay: 48.333 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.21 Mbit/s

95th percentile per-packet one-way delay: 54.236 ms

Loss rate: 0.00%

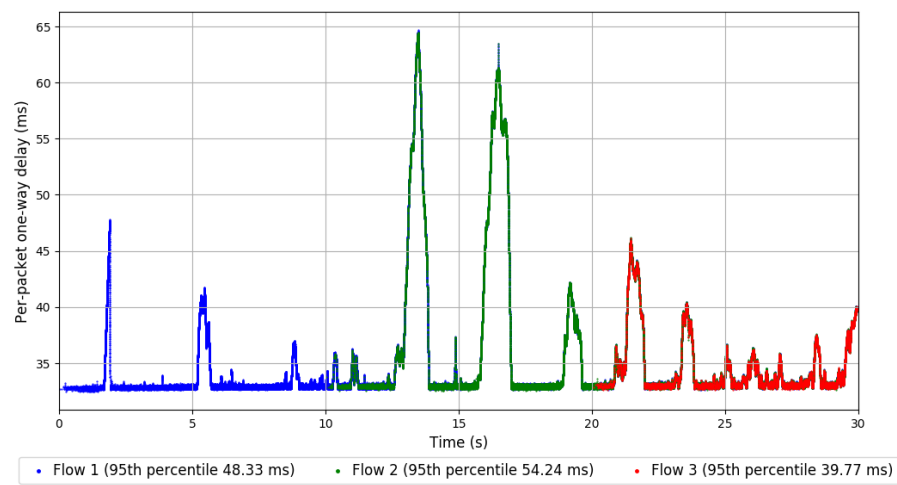
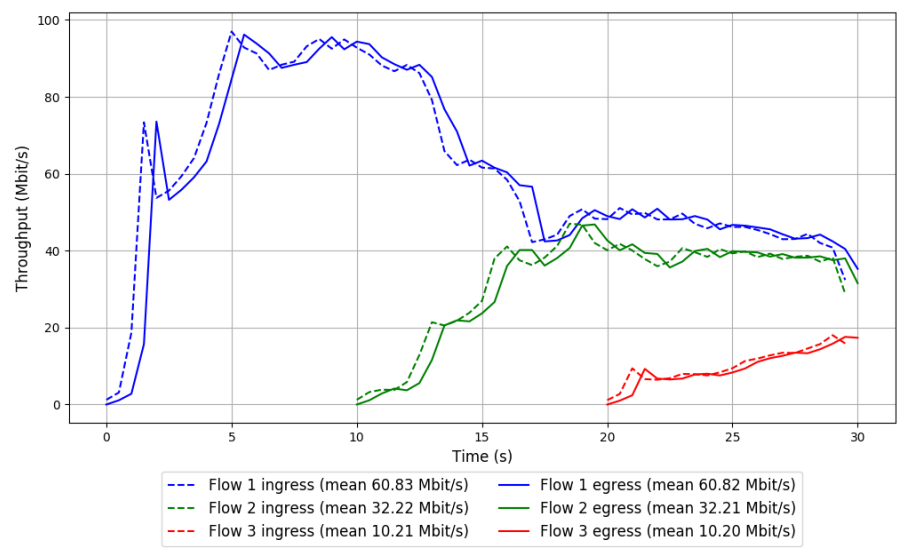
-- Flow 3:

Average throughput: 10.20 Mbit/s

95th percentile per-packet one-way delay: 39.775 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-17 19:25:20

End at: 2018-07-17 19:25:50

Local clock offset: 11.322 ms

Remote clock offset: -0.89 ms

Below is generated by plot.py at 2018-07-17 20:51:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.78 Mbit/s

95th percentile per-packet one-way delay: 47.452 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 63.28 Mbit/s

95th percentile per-packet one-way delay: 47.450 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 25.77 Mbit/s

95th percentile per-packet one-way delay: 47.129 ms

Loss rate: 0.02%

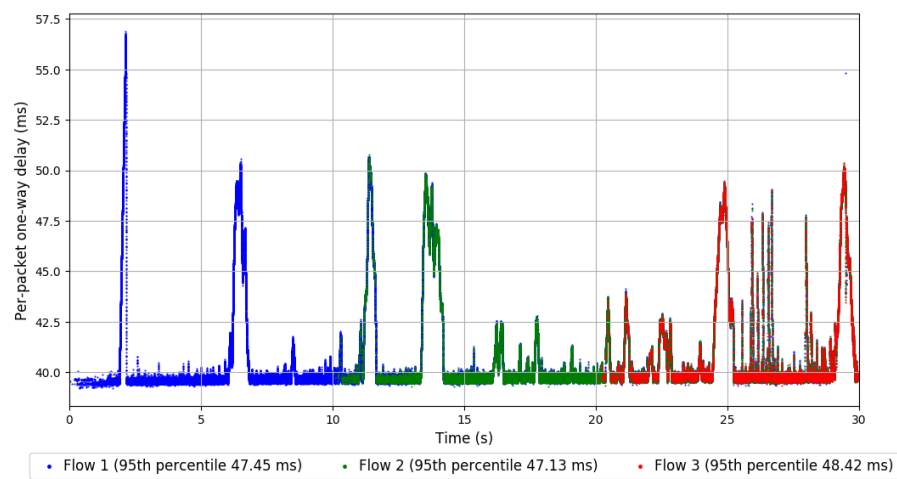
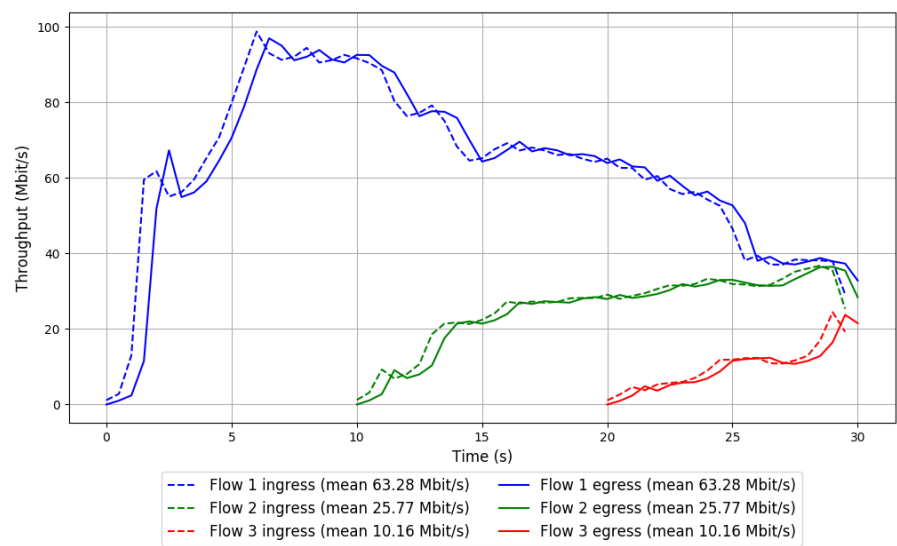
-- Flow 3:

Average throughput: 10.16 Mbit/s

95th percentile per-packet one-way delay: 48.420 ms

Loss rate: 0.02%

Run 8: Report of PCC-Vivace — Data Link

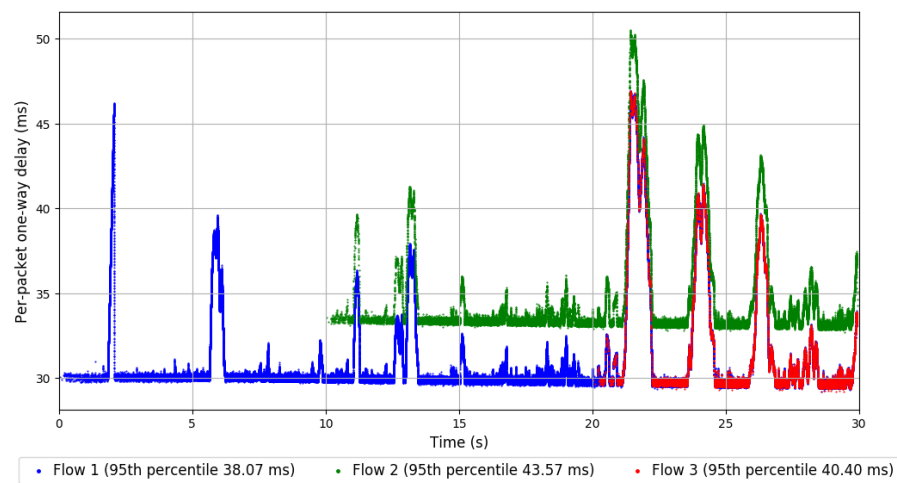
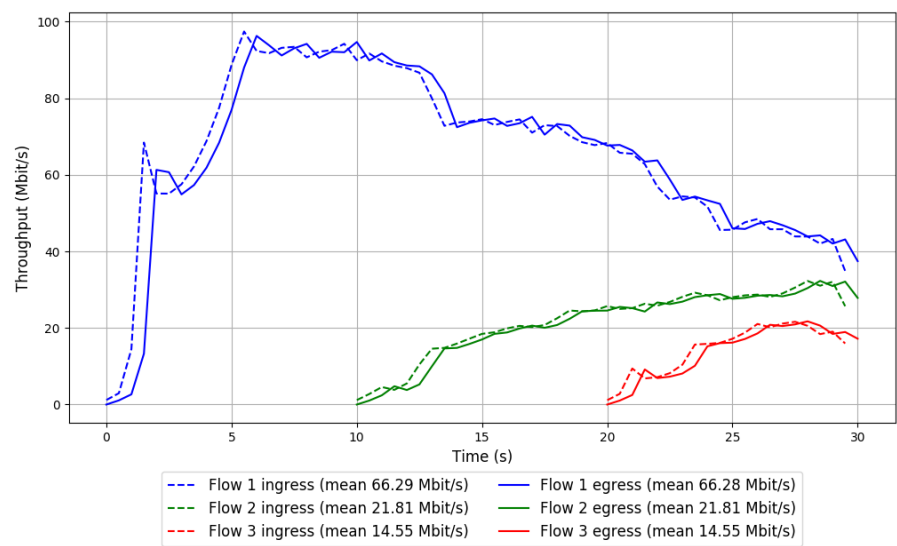


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-17 19:48:11
End at: 2018-07-17 19:48:41
Local clock offset: 10.441 ms
Remote clock offset: -7.824 ms

Below is generated by plot.py at 2018-07-17 20:52:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.60 Mbit/s
95th percentile per-packet one-way delay: 39.557 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.28 Mbit/s
95th percentile per-packet one-way delay: 38.068 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.81 Mbit/s
95th percentile per-packet one-way delay: 43.570 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.55 Mbit/s
95th percentile per-packet one-way delay: 40.399 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-17 20:11:06

End at: 2018-07-17 20:11:36

Local clock offset: -0.423 ms

Remote clock offset: -2.18 ms

Below is generated by plot.py at 2018-07-17 20:52:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.21 Mbit/s

95th percentile per-packet one-way delay: 48.265 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.17 Mbit/s

95th percentile per-packet one-way delay: 48.053 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.37 Mbit/s

95th percentile per-packet one-way delay: 48.171 ms

Loss rate: 0.00%

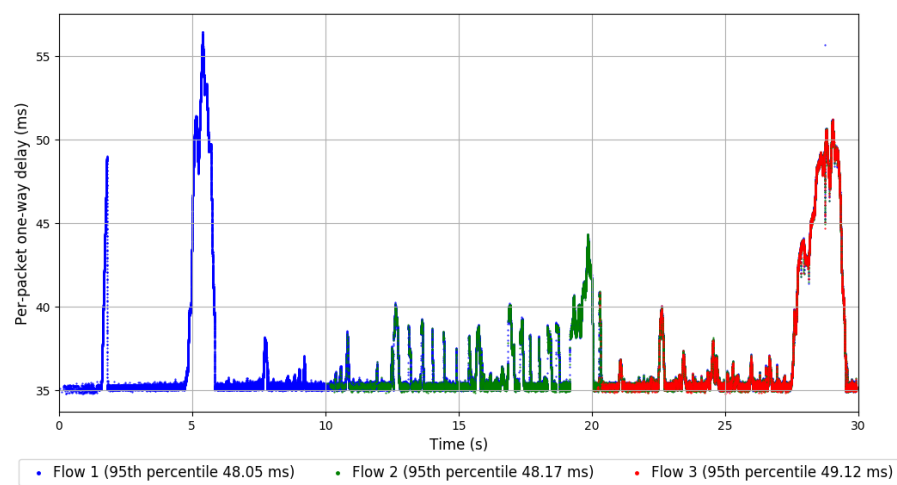
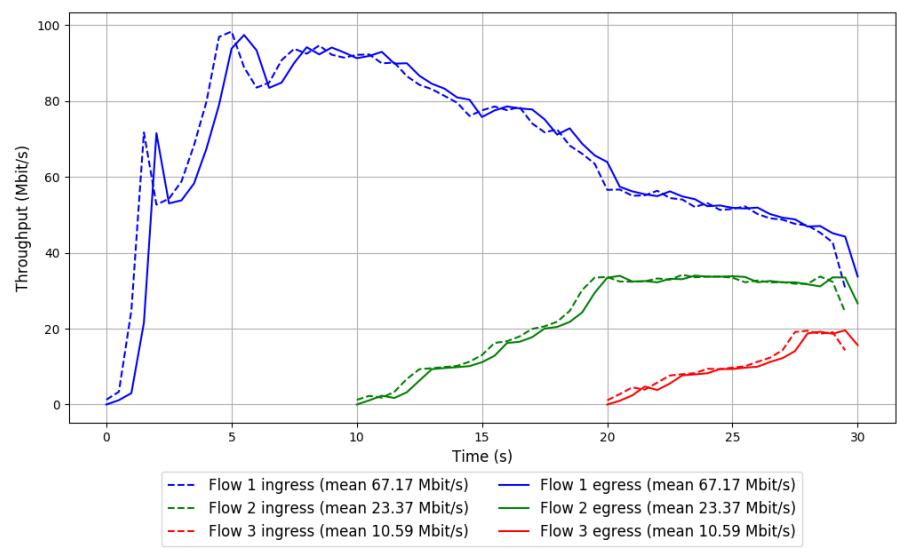
-- Flow 3:

Average throughput: 10.59 Mbit/s

95th percentile per-packet one-way delay: 49.120 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

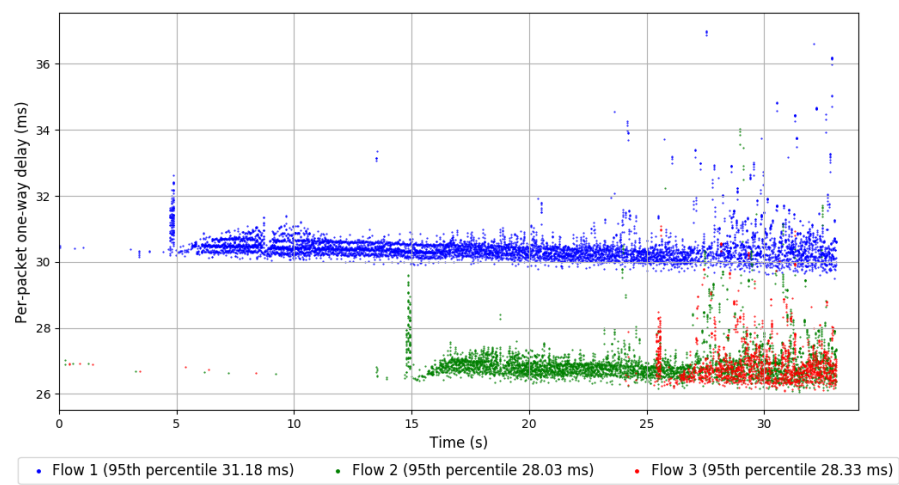
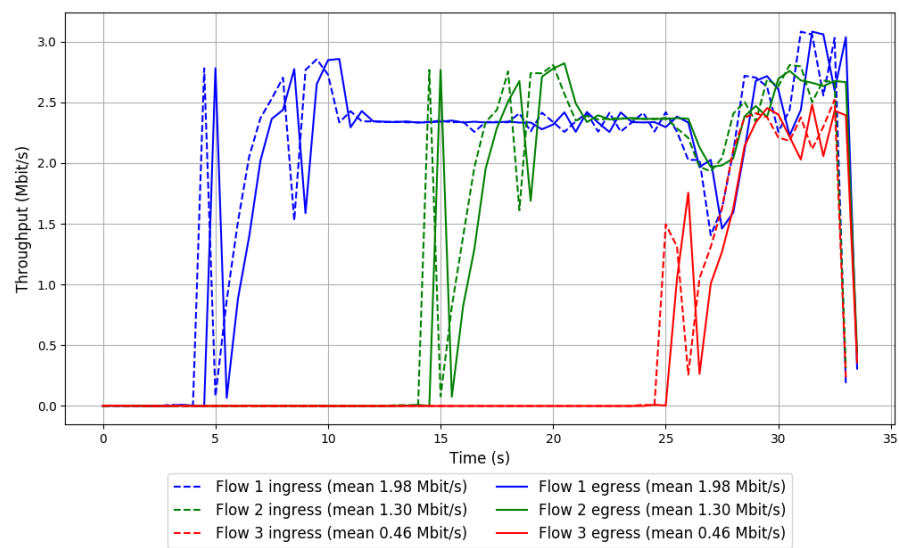


Run 1: Statistics of WebRTC media

Start at: 2018-07-17 16:53:00
End at: 2018-07-17 16:53:30
Local clock offset: 0.76 ms
Remote clock offset: -22.972 ms

Below is generated by plot.py at 2018-07-17 20:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.73 Mbit/s
95th percentile per-packet one-way delay: 30.860 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 31.182 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 28.028 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 28.331 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-17 17:15:52

End at: 2018-07-17 17:16:22

Local clock offset: 0.617 ms

Remote clock offset: 0.427 ms

Below is generated by plot.py at 2018-07-17 20:52:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 42.227 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 42.986 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 39.449 ms

Loss rate: 0.00%

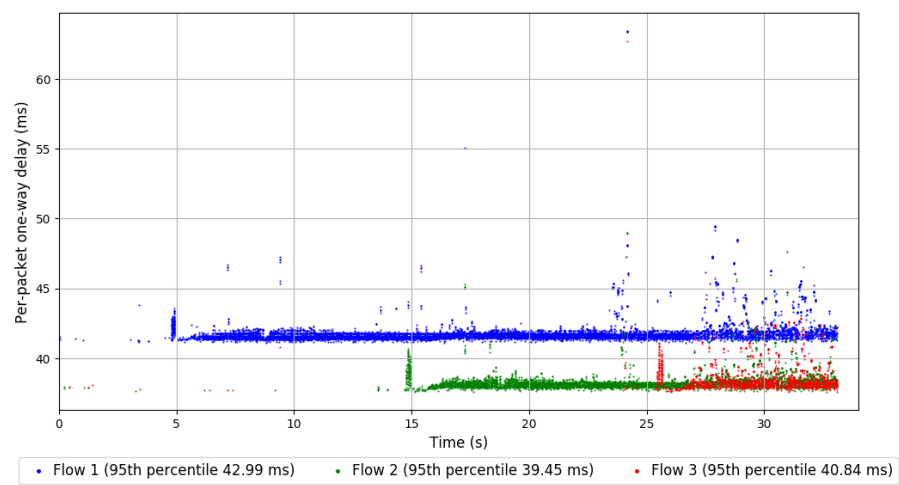
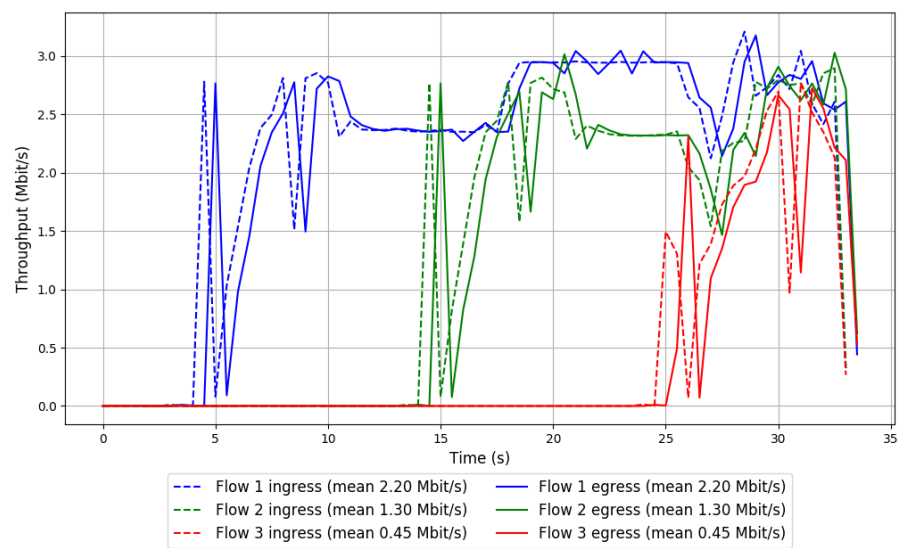
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 40.839 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-17 17:38:49

End at: 2018-07-17 17:39:19

Local clock offset: 0.729 ms

Remote clock offset: 2.217 ms

Below is generated by plot.py at 2018-07-17 20:52:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.73 Mbit/s

95th percentile per-packet one-way delay: 42.659 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 39.410 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 42.996 ms

Loss rate: 0.00%

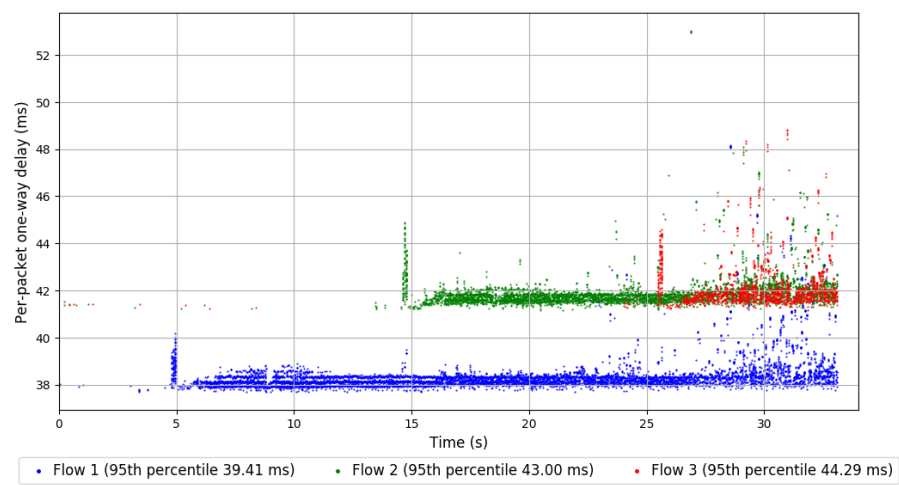
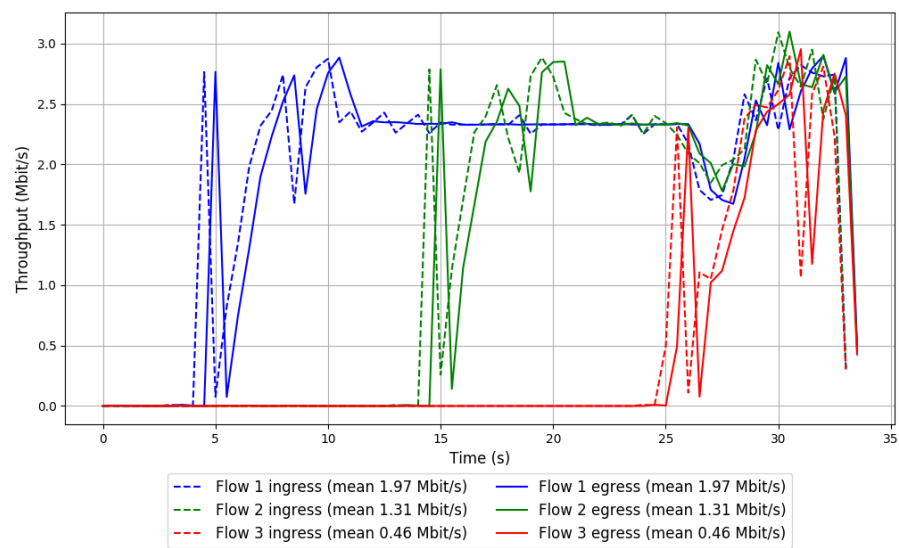
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 44.293 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-17 18:01:46

End at: 2018-07-17 18:02:16

Local clock offset: 0.924 ms

Remote clock offset: 0.869 ms

Below is generated by plot.py at 2018-07-17 20:52:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.73 Mbit/s

95th percentile per-packet one-way delay: 40.991 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 41.165 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 41.188 ms

Loss rate: 0.00%

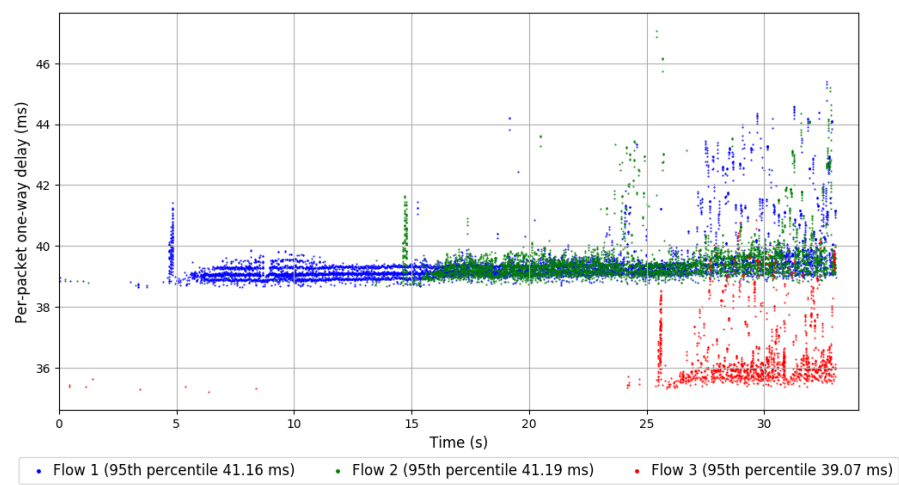
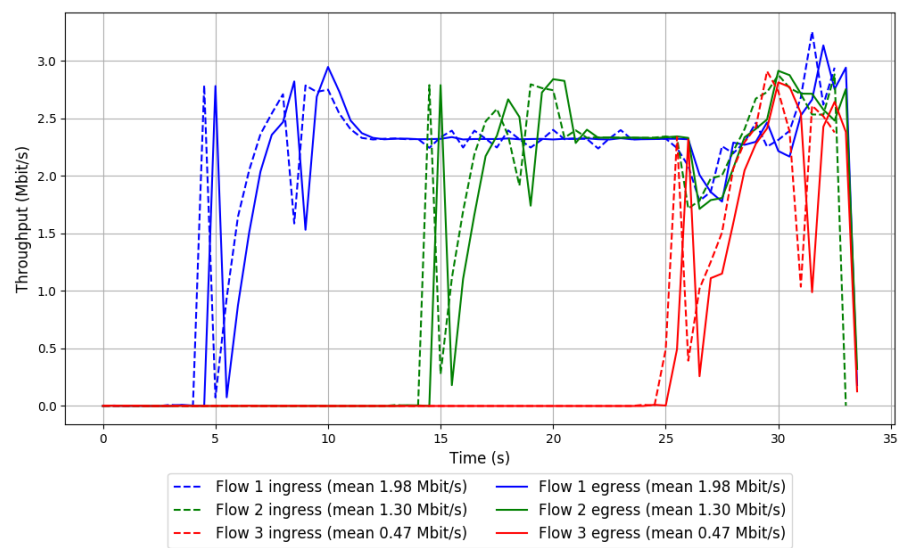
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 39.069 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

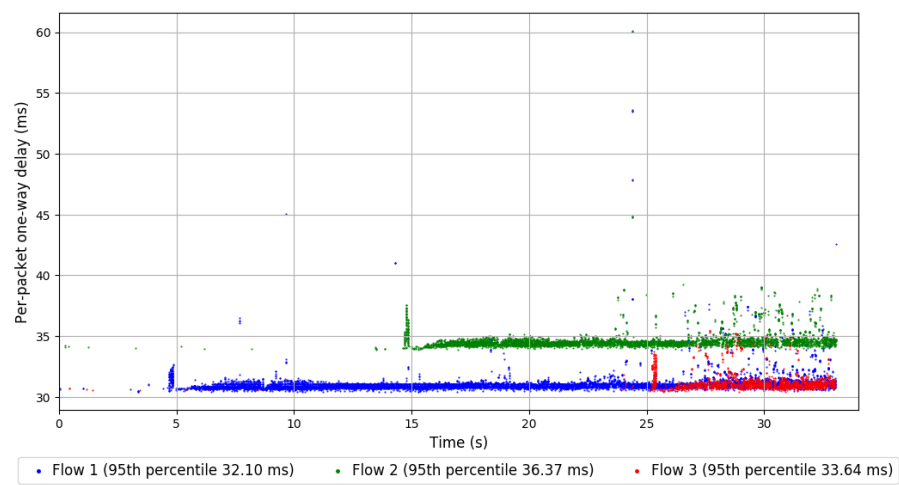
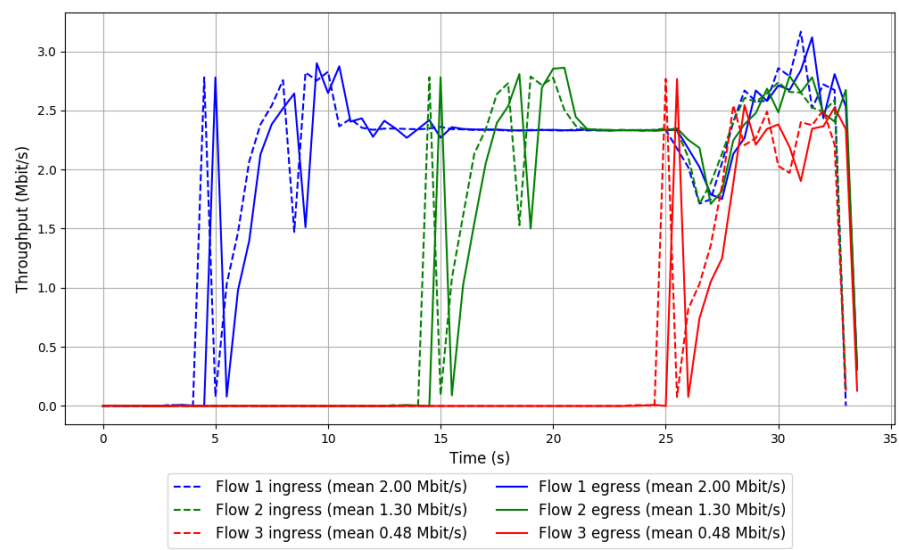


Run 5: Statistics of WebRTC media

Start at: 2018-07-17 18:24:52
End at: 2018-07-17 18:25:22
Local clock offset: 0.366 ms
Remote clock offset: -5.793 ms

Below is generated by plot.py at 2018-07-17 20:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.75 Mbit/s
95th percentile per-packet one-way delay: 34.949 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 32.098 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 36.368 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 33.638 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-17 18:47:44

End at: 2018-07-17 18:48:14

Local clock offset: 0.371 ms

Remote clock offset: 9.256 ms

Below is generated by plot.py at 2018-07-17 20:52:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.73 Mbit/s

95th percentile per-packet one-way delay: 43.792 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 43.722 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 44.358 ms

Loss rate: 0.00%

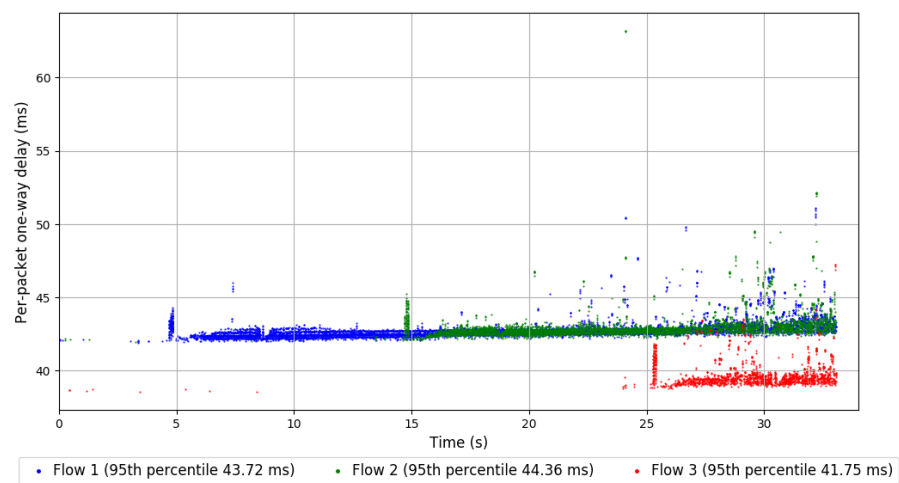
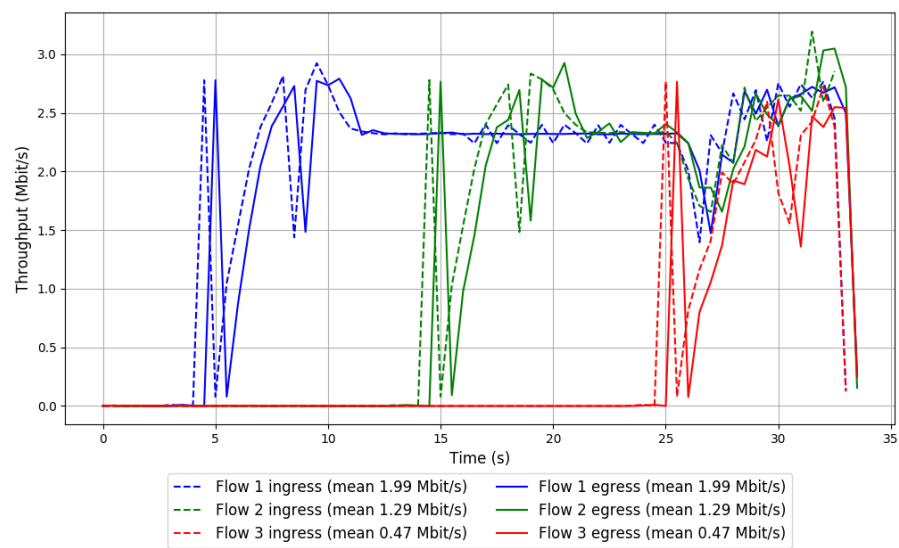
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 41.752 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-17 19:10:36

End at: 2018-07-17 19:11:06

Local clock offset: 11.855 ms

Remote clock offset: 8.583 ms

Below is generated by plot.py at 2018-07-17 20:52:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.72 Mbit/s

95th percentile per-packet one-way delay: 41.486 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 41.166 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 41.061 ms

Loss rate: 0.00%

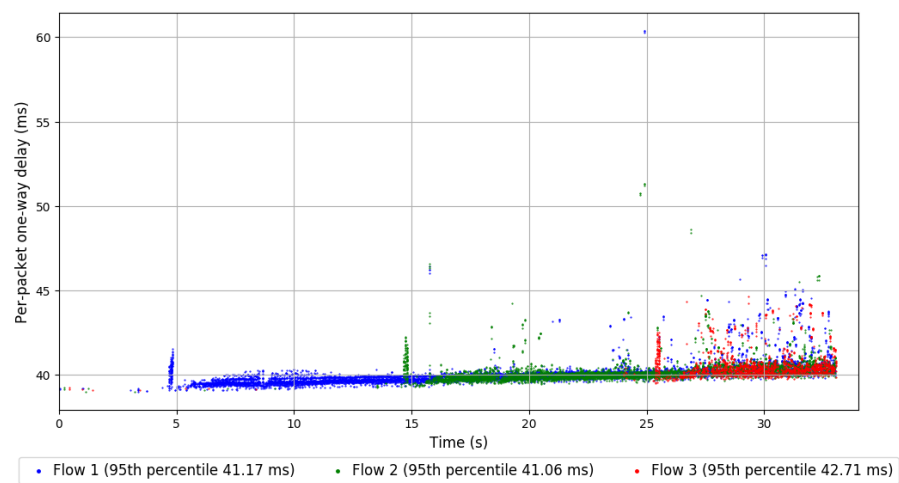
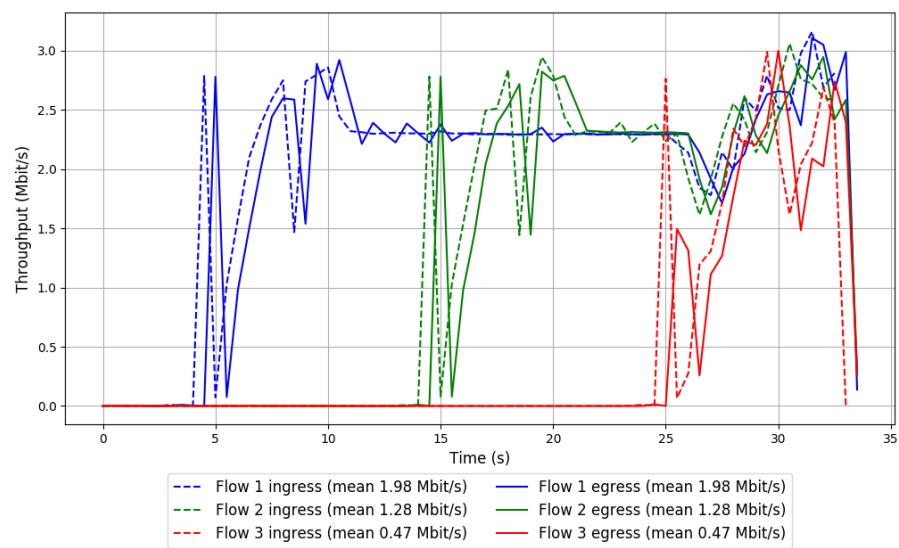
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 42.711 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

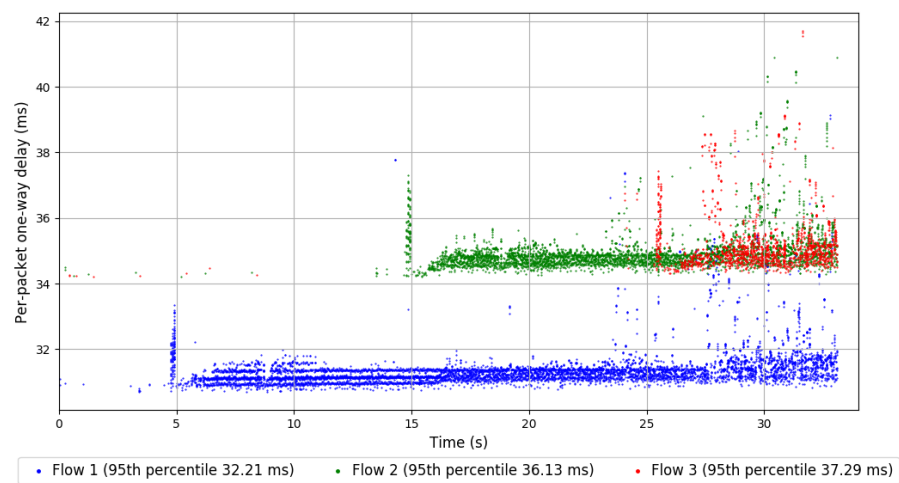
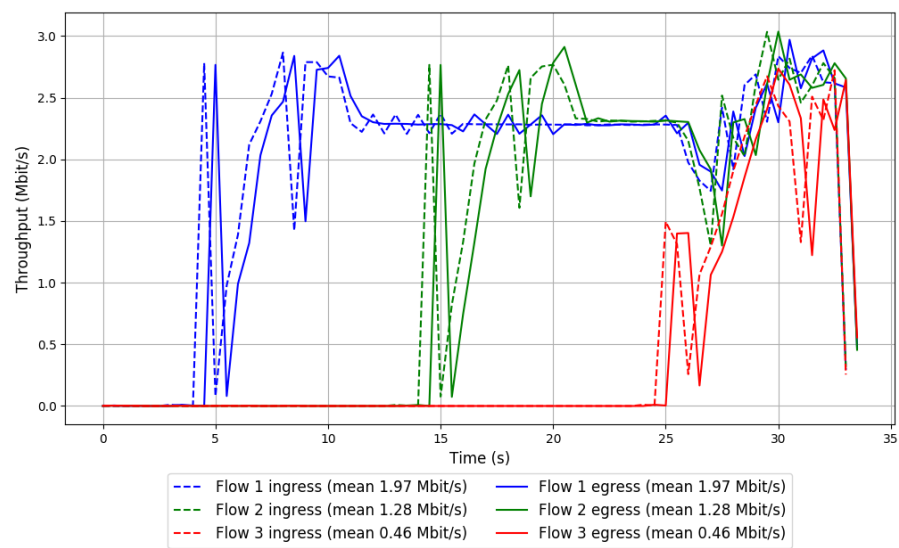


Run 8: Statistics of WebRTC media

Start at: 2018-07-17 19:33:31
End at: 2018-07-17 19:34:01
Local clock offset: 10.988 ms
Remote clock offset: -7.655 ms

Below is generated by plot.py at 2018-07-17 20:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.69 Mbit/s
95th percentile per-packet one-way delay: 35.652 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 32.209 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 36.132 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 37.286 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

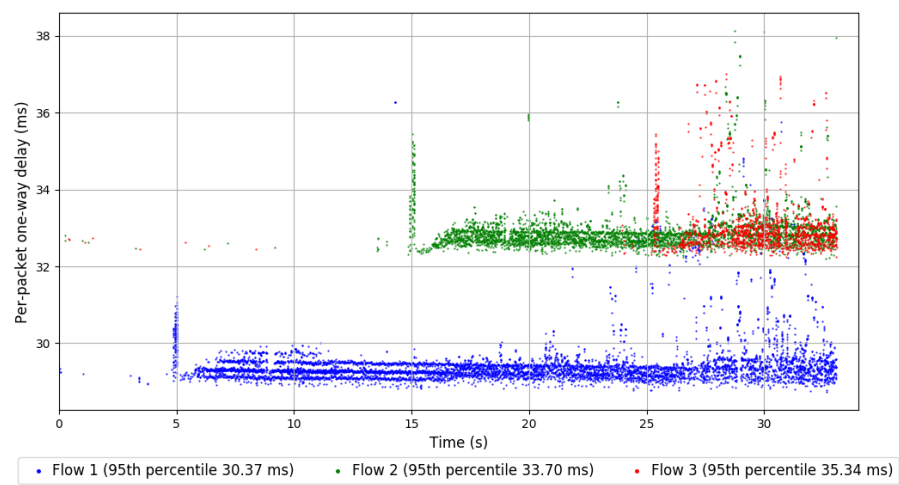
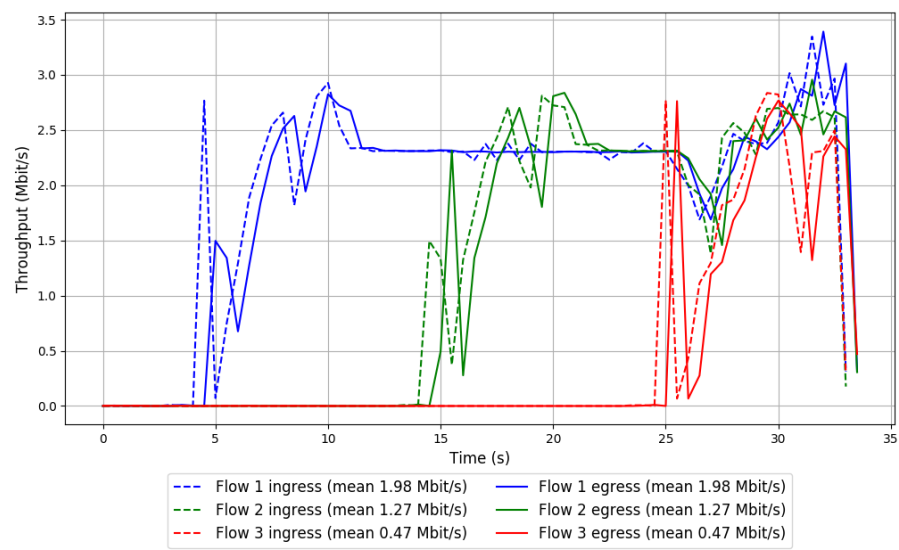


Run 9: Statistics of WebRTC media

Start at: 2018-07-17 19:56:24
End at: 2018-07-17 19:56:54
Local clock offset: 3.93 ms
Remote clock offset: -8.077 ms

Below is generated by plot.py at 2018-07-17 20:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 33.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 30.372 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 33.704 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 35.335 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-17 20:19:19

End at: 2018-07-17 20:19:49

Local clock offset: -0.991 ms

Remote clock offset: -7.91 ms

Below is generated by plot.py at 2018-07-17 20:52:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.75 Mbit/s

95th percentile per-packet one-way delay: 31.255 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 31.019 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 31.324 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 31.981 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

