

Pantheon Report

Generated at 2018-07-17 20:33:48 (UTC).

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

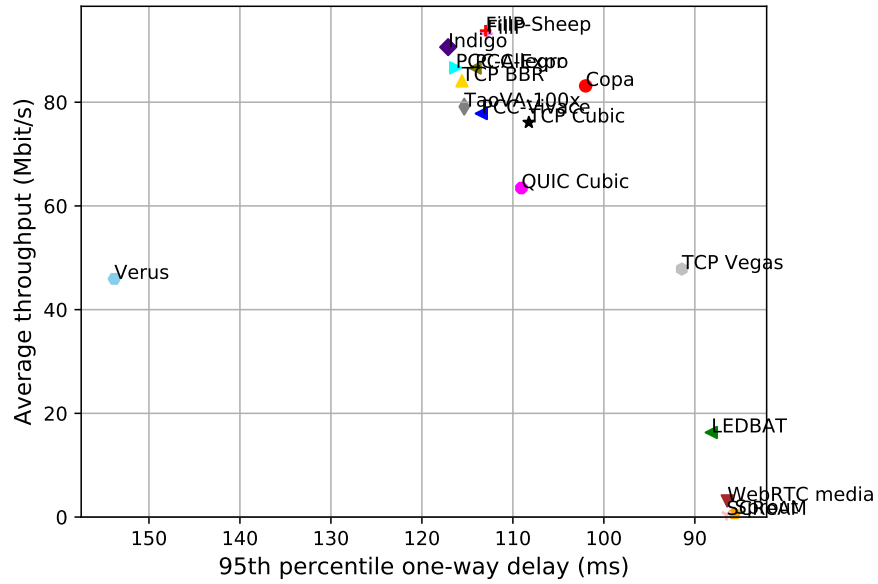
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

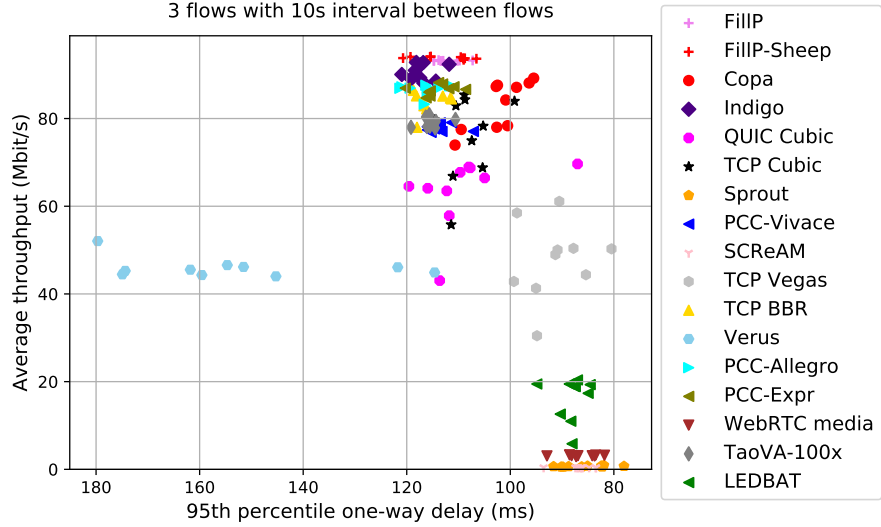
Git summary:

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



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



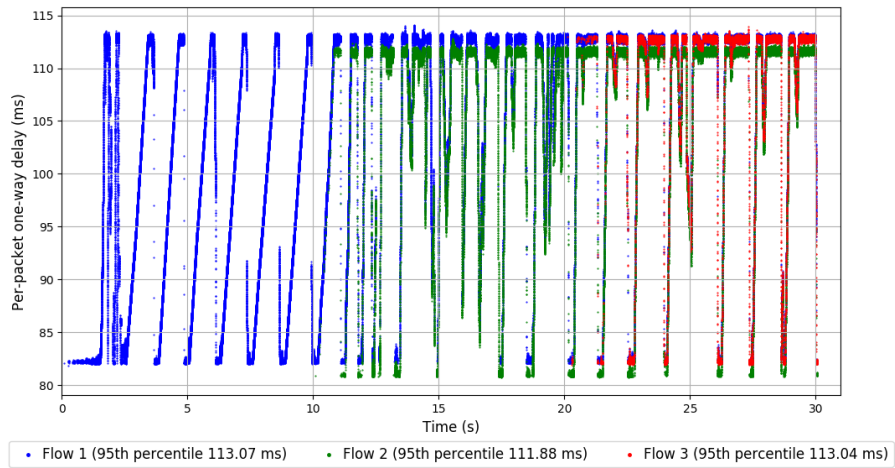
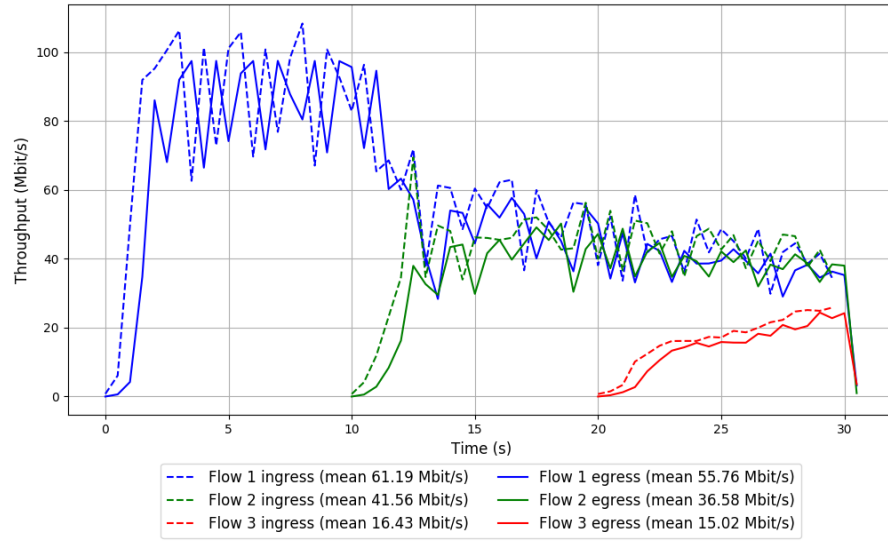
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	53.05	34.52	24.21	113.93	113.30	114.77	8.07	10.90	13.33
Copa	10	66.44	17.93	14.33	102.43	100.15	101.72	1.21	0.36	0.16
TCP Cubic	10	42.27	37.92	25.78	103.52	111.08	111.40	0.36	0.92	1.14
FillP	10	58.86	38.77	25.76	112.35	110.69	111.90	18.18	22.67	22.19
FillP-Sheep	10	54.82	40.68	36.04	110.87	110.39	111.72	14.69	26.49	30.97
Indigo	10	62.07	29.21	28.64	115.11	116.15	116.44	8.43	16.92	47.54
LEDBAT	10	9.60	8.10	4.04	86.34	85.98	86.45	0.03	0.04	0.05
PCC-Allegro	10	77.98	9.47	7.14	116.27	115.41	114.37	2.54	3.14	4.73
PCC-Expr	10	76.35	11.42	7.99	113.37	114.46	114.45	3.69	3.29	4.28
QUIC Cubic	10	41.41	24.71	17.26	108.99	106.54	104.45	0.89	0.92	0.54
SCReAM	10	0.22	0.22	0.22	83.55	85.23	85.12	0.00	0.00	0.00
Sprout	10	0.31	0.34	0.40	84.23	83.91	85.18	0.07	0.05	0.01
TaoVA-100x	10	48.42	35.79	20.80	113.20	114.77	114.22	4.44	8.46	10.46
TCP Vegas	10	20.76	26.46	28.42	90.44	93.12	93.38	0.75	0.87	1.66
Verus	10	29.89	20.64	8.35	143.40	132.21	118.90	58.39	46.10	39.29
PCC-Vivace	10	66.08	12.75	9.86	113.33	112.22	112.41	0.26	0.45	0.60
WebRTC media	10	1.77	1.08	0.28	86.20	84.73	85.73	0.02	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-17 16:37:51
End at: 2018-07-17 16:38:21
Local clock offset: -6.498 ms
Remote clock offset: -3.635 ms

Below is generated by plot.py at 2018-07-17 20:13:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.12 Mbit/s
95th percentile per-packet one-way delay: 113.031 ms
Loss rate: 9.79%
-- Flow 1:
Average throughput: 55.76 Mbit/s
95th percentile per-packet one-way delay: 113.073 ms
Loss rate: 8.88%
-- Flow 2:
Average throughput: 36.58 Mbit/s
95th percentile per-packet one-way delay: 111.875 ms
Loss rate: 11.98%
-- Flow 3:
Average throughput: 15.02 Mbit/s
95th percentile per-packet one-way delay: 113.036 ms
Loss rate: 8.84%

Run 1: Report of TCP BBR — Data Link

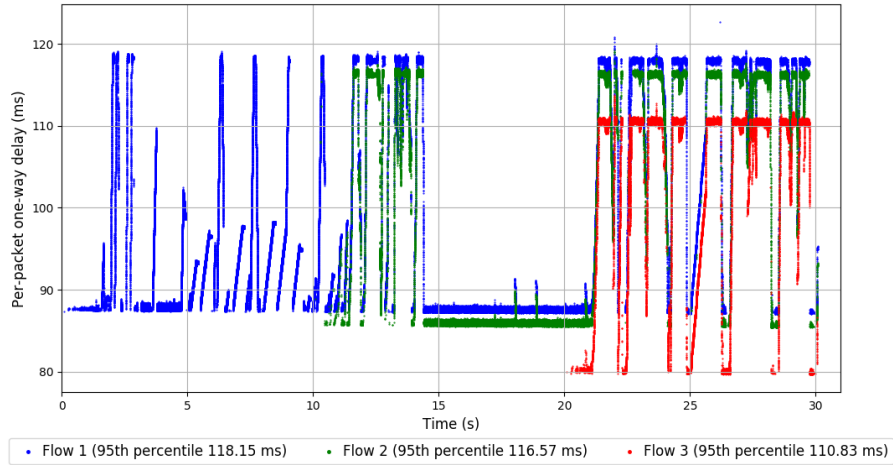
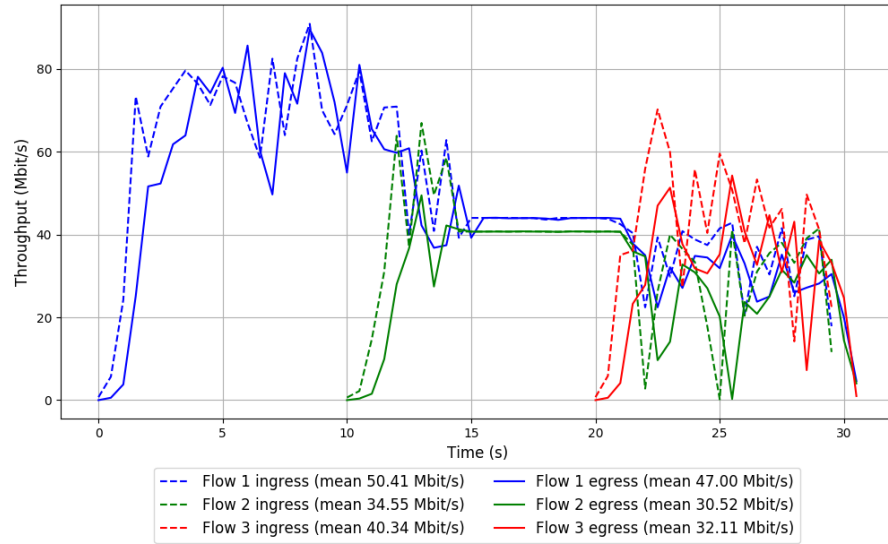


Run 2: Statistics of TCP BBR

Start at: 2018-07-17 16:59:08
End at: 2018-07-17 16:59:38
Local clock offset: -9.925 ms
Remote clock offset: -0.723 ms

Below is generated by plot.py at 2018-07-17 20:13:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.00 Mbit/s
95th percentile per-packet one-way delay: 118.024 ms
Loss rate: 10.16%
-- Flow 1:
Average throughput: 47.00 Mbit/s
95th percentile per-packet one-way delay: 118.146 ms
Loss rate: 6.75%
-- Flow 2:
Average throughput: 30.52 Mbit/s
95th percentile per-packet one-way delay: 116.571 ms
Loss rate: 11.67%
-- Flow 3:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 110.831 ms
Loss rate: 20.37%

Run 2: Report of TCP BBR — Data Link

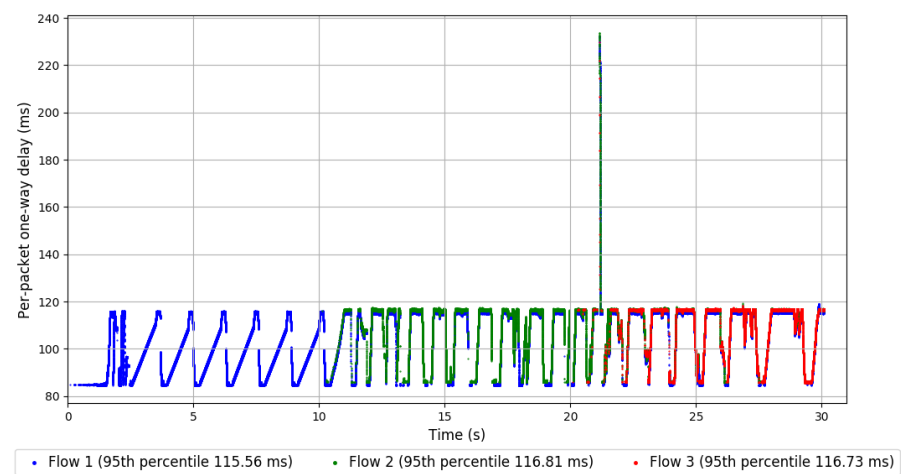
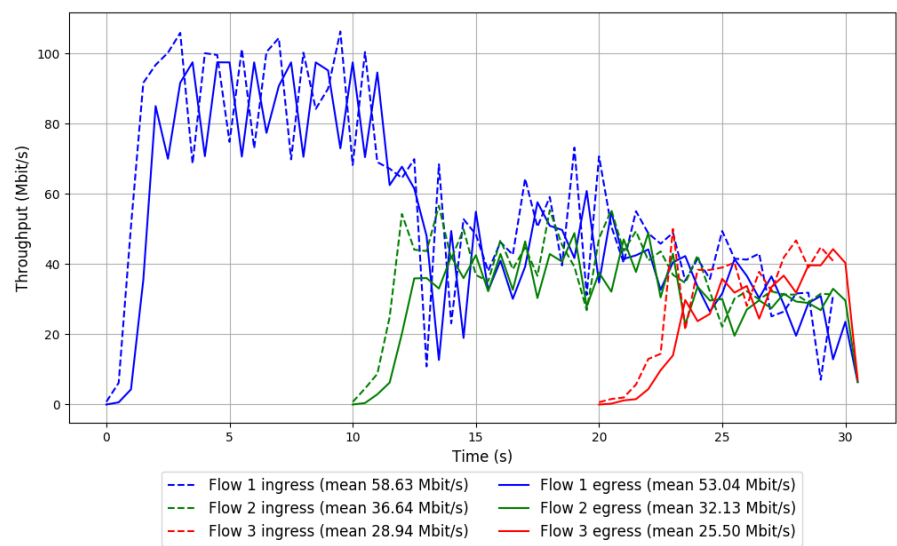


Run 3: Statistics of TCP BBR

Start at: 2018-07-17 17:20:20
End at: 2018-07-17 17:20:50
Local clock offset: -14.311 ms
Remote clock offset: 7.328 ms

Below is generated by plot.py at 2018-07-17 20:13:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.92 Mbit/s
95th percentile per-packet one-way delay: 116.680 ms
Loss rate: 10.42%
-- Flow 1:
Average throughput: 53.04 Mbit/s
95th percentile per-packet one-way delay: 115.563 ms
Loss rate: 9.44%
-- Flow 2:
Average throughput: 32.13 Mbit/s
95th percentile per-packet one-way delay: 116.814 ms
Loss rate: 12.30%
-- Flow 3:
Average throughput: 25.50 Mbit/s
95th percentile per-packet one-way delay: 116.732 ms
Loss rate: 11.64%

Run 3: Report of TCP BBR — Data Link

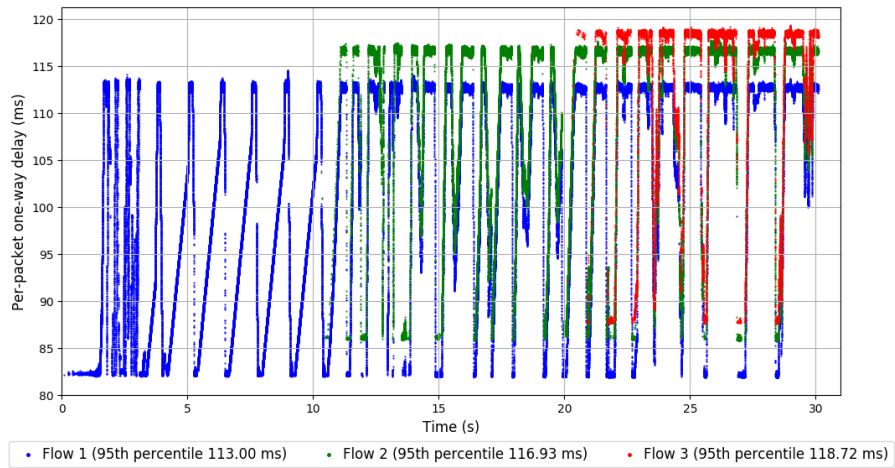
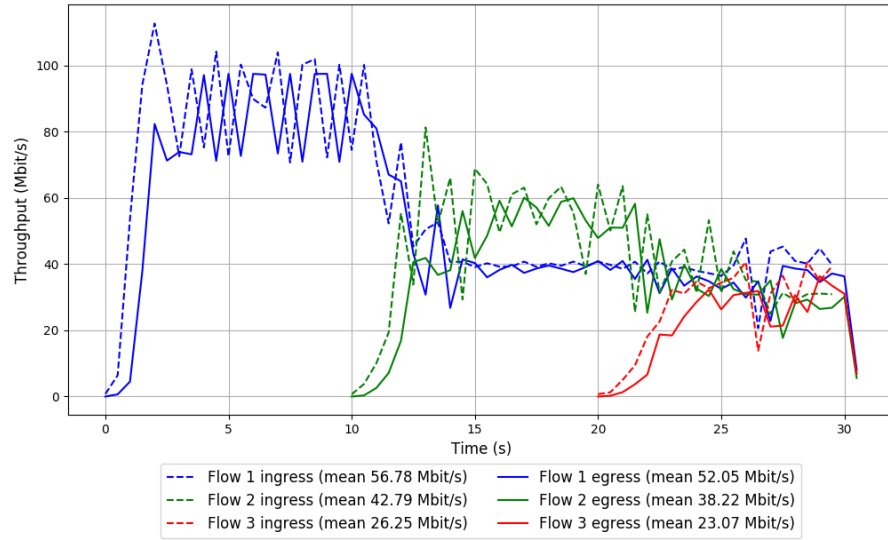


Run 4: Statistics of TCP BBR

Start at: 2018-07-17 17:41:37
End at: 2018-07-17 17:42:07
Local clock offset: -16.777 ms
Remote clock offset: 12.753 ms

Below is generated by plot.py at 2018-07-17 20:13:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.17 Mbit/s
95th percentile per-packet one-way delay: 118.114 ms
Loss rate: 9.31%
-- Flow 1:
Average throughput: 52.05 Mbit/s
95th percentile per-packet one-way delay: 113.005 ms
Loss rate: 8.23%
-- Flow 2:
Average throughput: 38.22 Mbit/s
95th percentile per-packet one-way delay: 116.931 ms
Loss rate: 10.67%
-- Flow 3:
Average throughput: 23.07 Mbit/s
95th percentile per-packet one-way delay: 118.722 ms
Loss rate: 11.95%

Run 4: Report of TCP BBR — Data Link

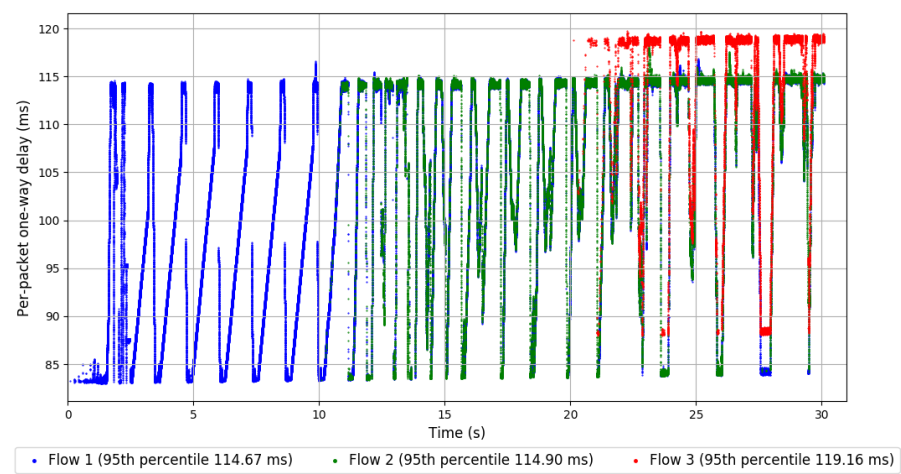
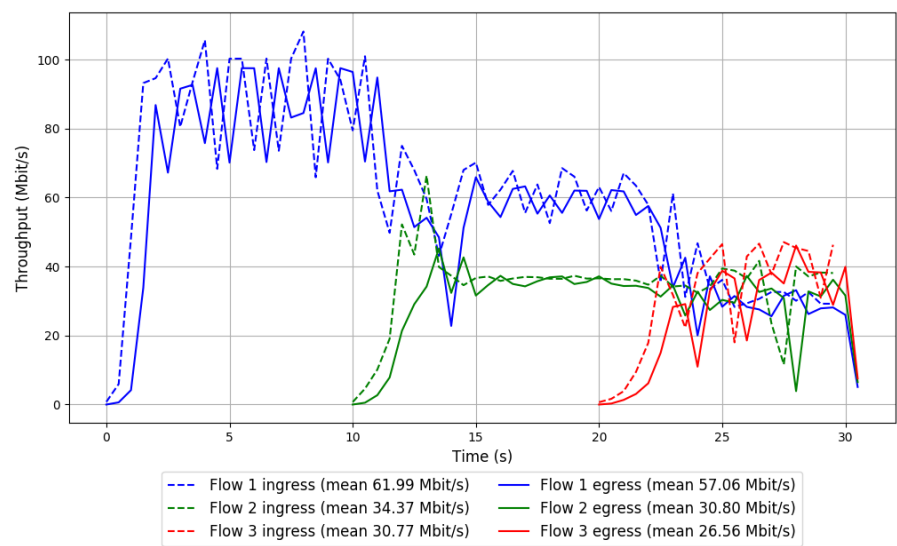


Run 5: Statistics of TCP BBR

Start at: 2018-07-17 18:02:57
End at: 2018-07-17 18:03:27
Local clock offset: -7.253 ms
Remote clock offset: 13.428 ms

Below is generated by plot.py at 2018-07-17 20:13:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.42 Mbit/s
95th percentile per-packet one-way delay: 118.700 ms
Loss rate: 9.06%
-- Flow 1:
Average throughput: 57.06 Mbit/s
95th percentile per-packet one-way delay: 114.670 ms
Loss rate: 7.85%
-- Flow 2:
Average throughput: 30.80 Mbit/s
95th percentile per-packet one-way delay: 114.901 ms
Loss rate: 10.26%
-- Flow 3:
Average throughput: 26.56 Mbit/s
95th percentile per-packet one-way delay: 119.156 ms
Loss rate: 13.74%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-17 18:24:14

End at: 2018-07-17 18:24:44

Local clock offset: 3.035 ms

Remote clock offset: 3.368 ms

Below is generated by plot.py at 2018-07-17 20:13:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.16 Mbit/s

95th percentile per-packet one-way delay: 116.315 ms

Loss rate: 9.13%

-- Flow 1:

Average throughput: 55.49 Mbit/s

95th percentile per-packet one-way delay: 116.335 ms

Loss rate: 8.34%

-- Flow 2:

Average throughput: 31.34 Mbit/s

95th percentile per-packet one-way delay: 110.991 ms

Loss rate: 10.76%

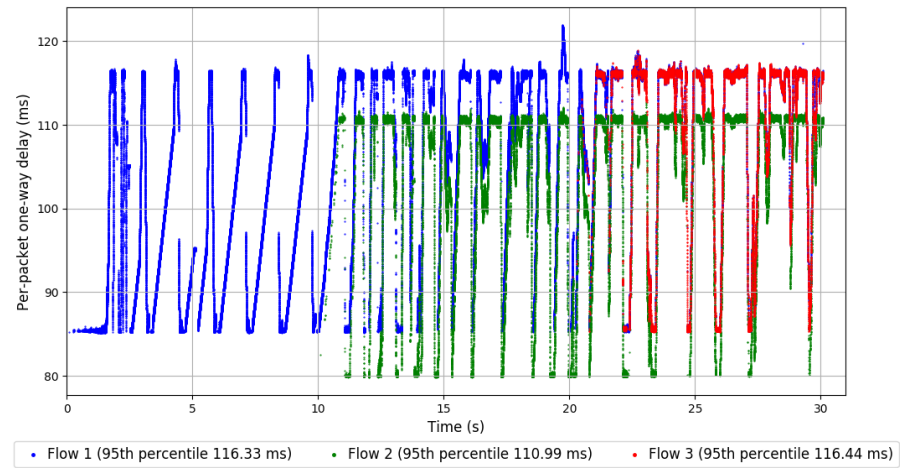
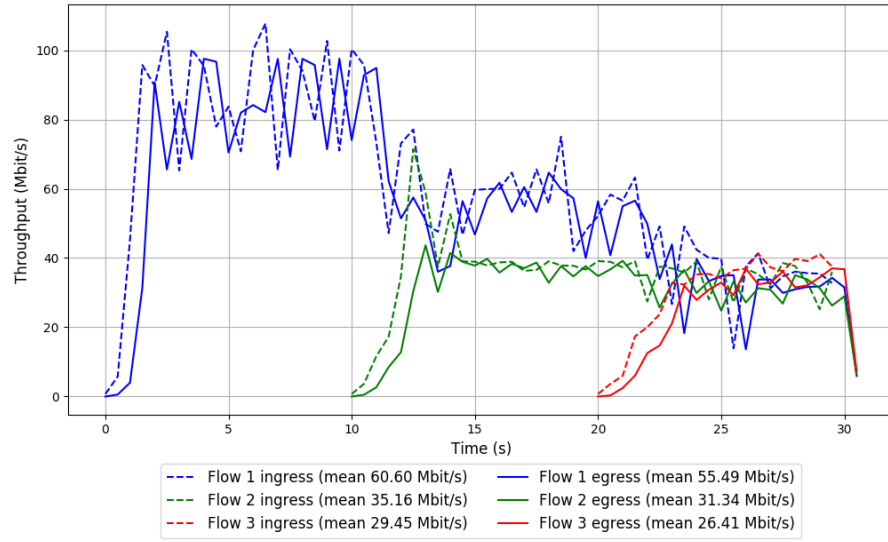
-- Flow 3:

Average throughput: 26.41 Mbit/s

95th percentile per-packet one-way delay: 116.443 ms

Loss rate: 10.14%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-17 18:45:35

End at: 2018-07-17 18:46:05

Local clock offset: 0.816 ms

Remote clock offset: 7.588 ms

Below is generated by plot.py at 2018-07-17 20:13:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.93 Mbit/s

95th percentile per-packet one-way delay: 116.043 ms

Loss rate: 8.16%

-- Flow 1:

Average throughput: 54.92 Mbit/s

95th percentile per-packet one-way delay: 116.114 ms

Loss rate: 6.71%

-- Flow 2:

Average throughput: 38.41 Mbit/s

95th percentile per-packet one-way delay: 114.490 ms

Loss rate: 9.67%

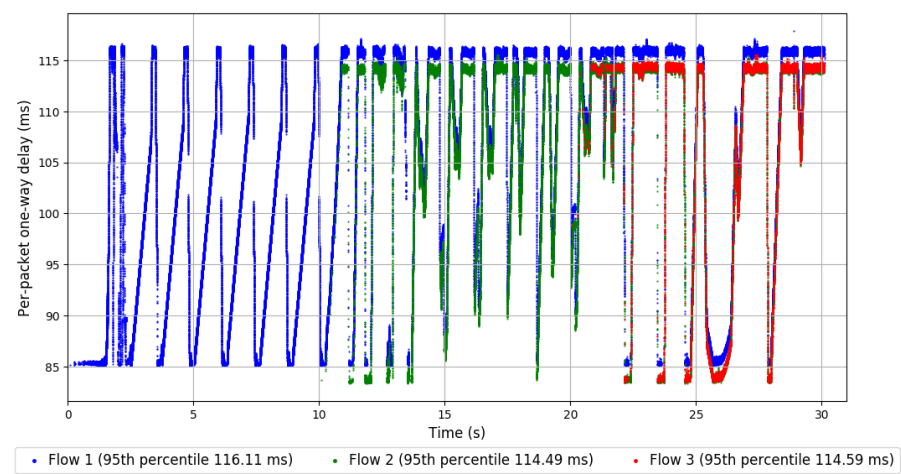
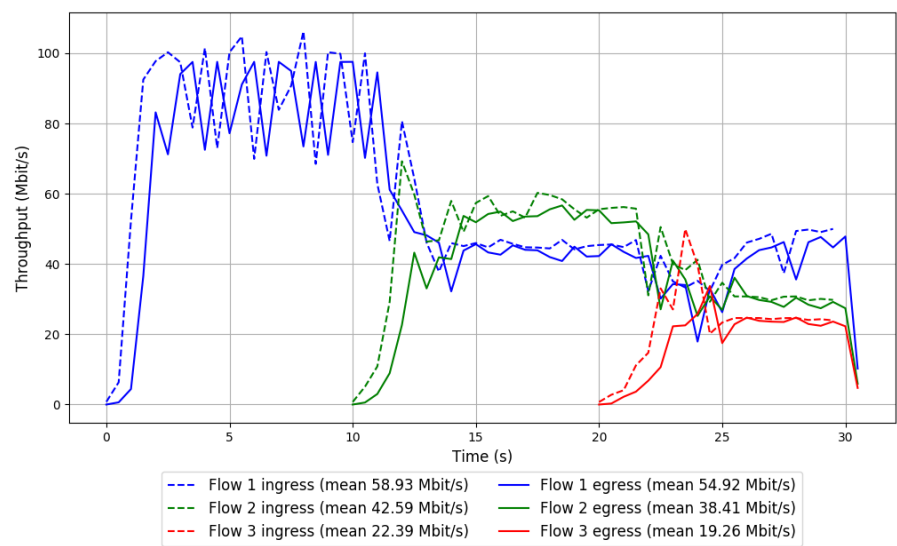
-- Flow 3:

Average throughput: 19.26 Mbit/s

95th percentile per-packet one-way delay: 114.595 ms

Loss rate: 13.86%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-17 19:06:49

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

Local clock offset: -0.007 ms

Remote clock offset: 3.899 ms

Below is generated by plot.py at 2018-07-17 20:13:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.66 Mbit/s

95th percentile per-packet one-way delay: 111.564 ms

Loss rate: 9.65%

-- Flow 1:

Average throughput: 50.54 Mbit/s

95th percentile per-packet one-way delay: 110.158 ms

Loss rate: 8.60%

-- Flow 2:

Average throughput: 39.21 Mbit/s

95th percentile per-packet one-way delay: 111.462 ms

Loss rate: 9.77%

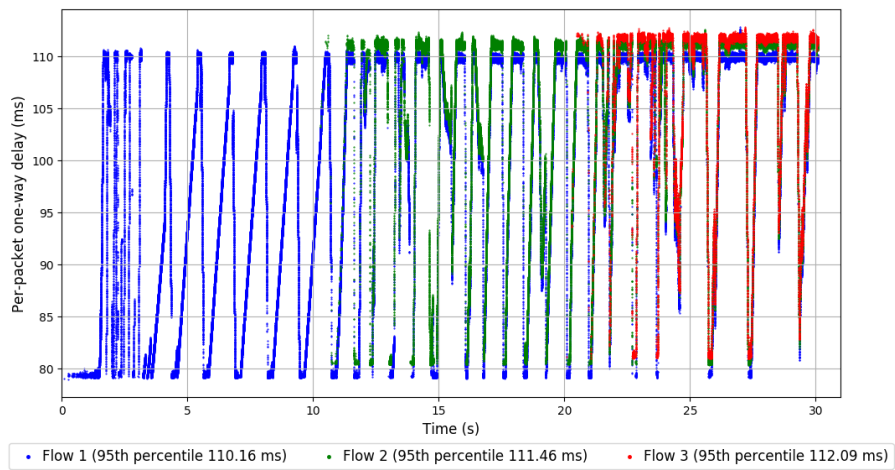
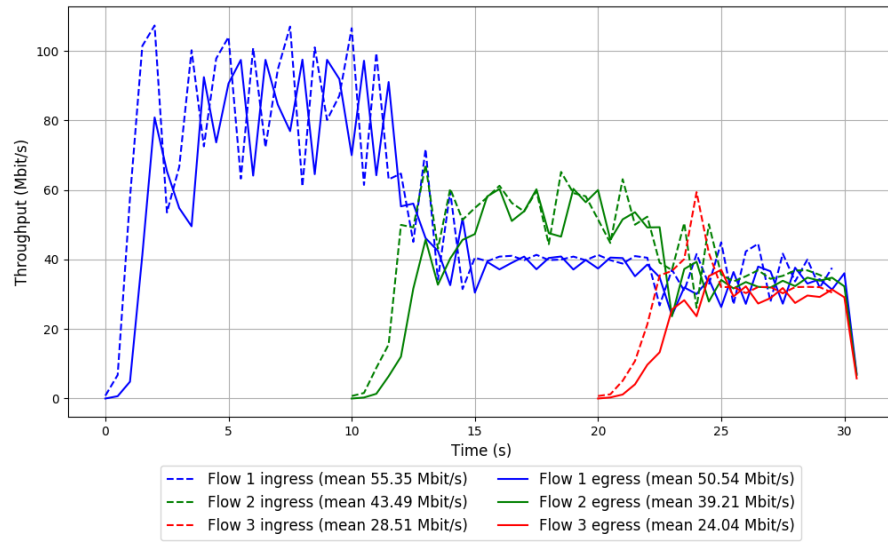
-- Flow 3:

Average throughput: 24.04 Mbit/s

95th percentile per-packet one-way delay: 112.086 ms

Loss rate: 15.42%

Run 8: Report of TCP BBR — Data Link

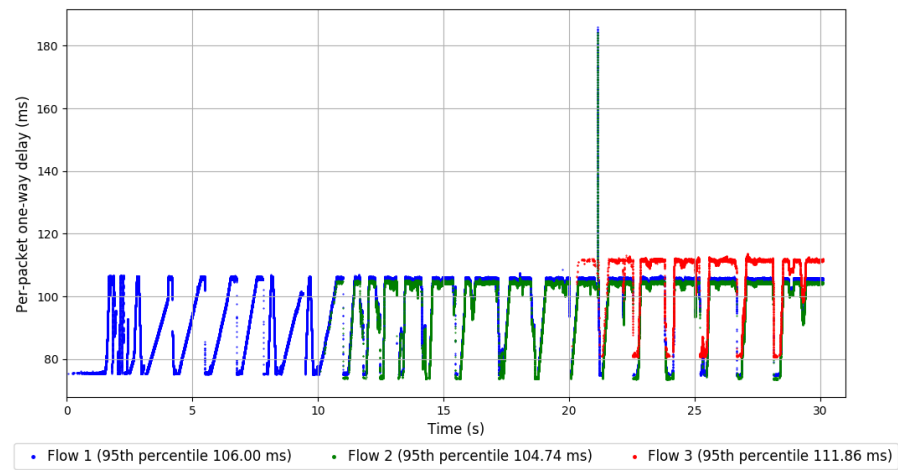
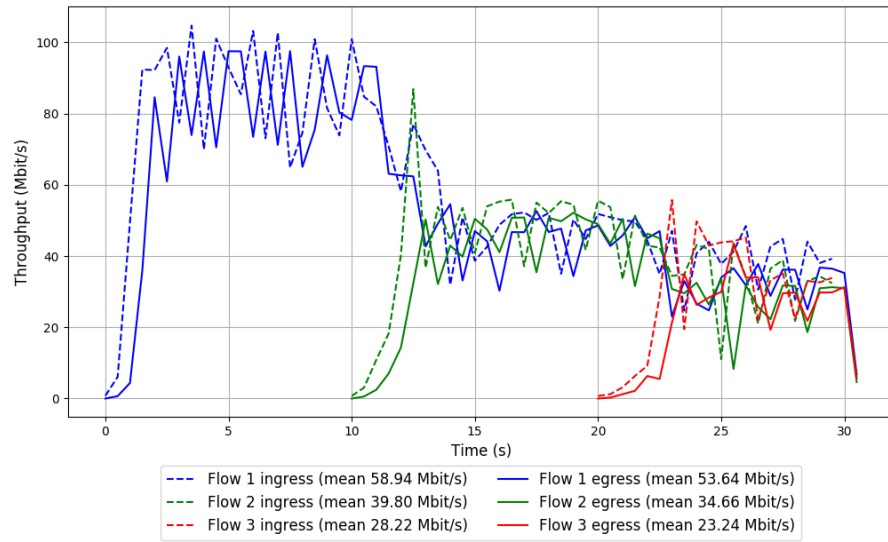


Run 9: Statistics of TCP BBR

Start at: 2018-07-17 19:28:16
End at: 2018-07-17 19:28:46
Local clock offset: 7.845 ms
Remote clock offset: 14.088 ms

Below is generated by plot.py at 2018-07-17 20:13:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.48 Mbit/s
95th percentile per-packet one-way delay: 111.360 ms
Loss rate: 10.83%
-- Flow 1:
Average throughput: 53.64 Mbit/s
95th percentile per-packet one-way delay: 106.002 ms
Loss rate: 8.89%
-- Flow 2:
Average throughput: 34.66 Mbit/s
95th percentile per-packet one-way delay: 104.741 ms
Loss rate: 12.80%
-- Flow 3:
Average throughput: 23.24 Mbit/s
95th percentile per-packet one-way delay: 111.855 ms
Loss rate: 17.47%

Run 9: Report of TCP BBR — Data Link

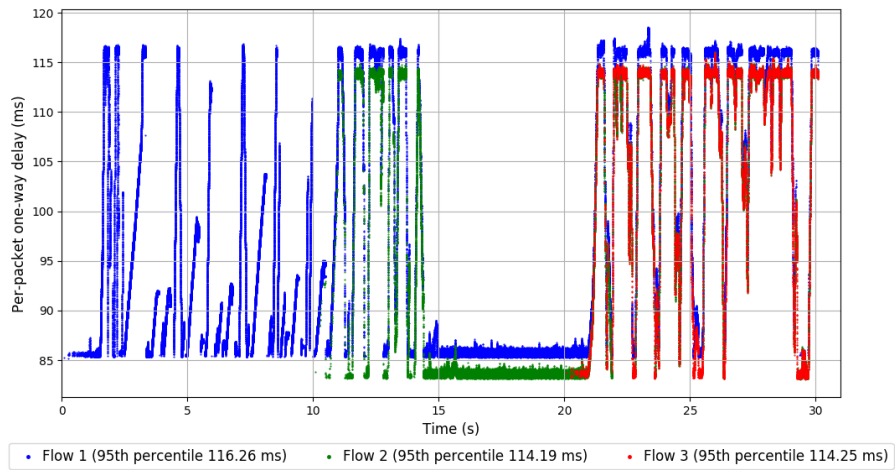
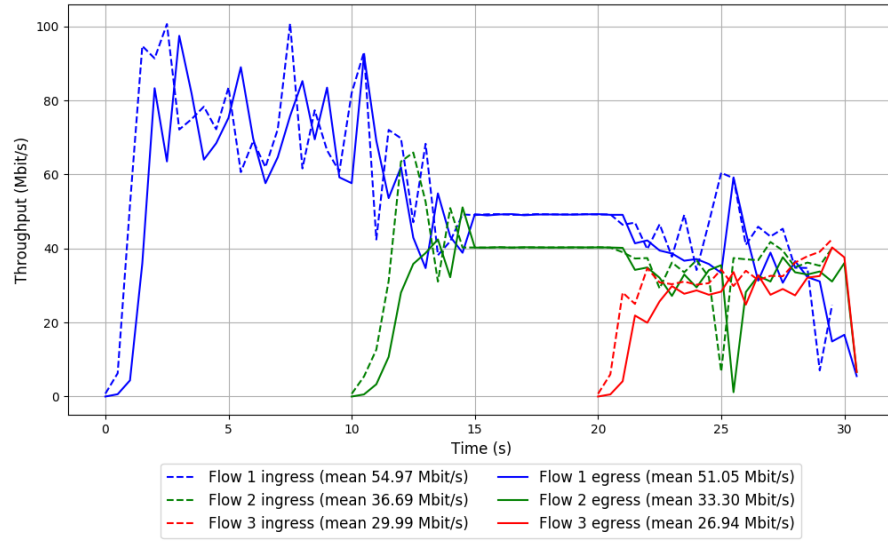


Run 10: Statistics of TCP BBR

Start at: 2018-07-17 19:49:30
End at: 2018-07-17 19:50:00
Local clock offset: -14.298 ms
Remote clock offset: 12.046 ms

Below is generated by plot.py at 2018-07-17 20:13:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.22 Mbit/s
95th percentile per-packet one-way delay: 116.151 ms
Loss rate: 7.93%
-- Flow 1:
Average throughput: 51.05 Mbit/s
95th percentile per-packet one-way delay: 116.260 ms
Loss rate: 7.05%
-- Flow 2:
Average throughput: 33.30 Mbit/s
95th percentile per-packet one-way delay: 114.190 ms
Loss rate: 9.10%
-- Flow 3:
Average throughput: 26.94 Mbit/s
95th percentile per-packet one-way delay: 114.252 ms
Loss rate: 9.91%

Run 10: Report of TCP BBR — Data Link

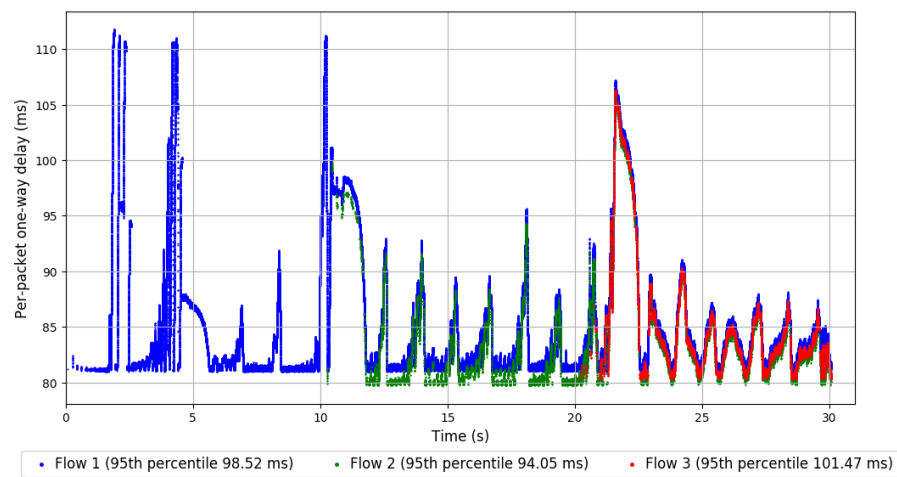
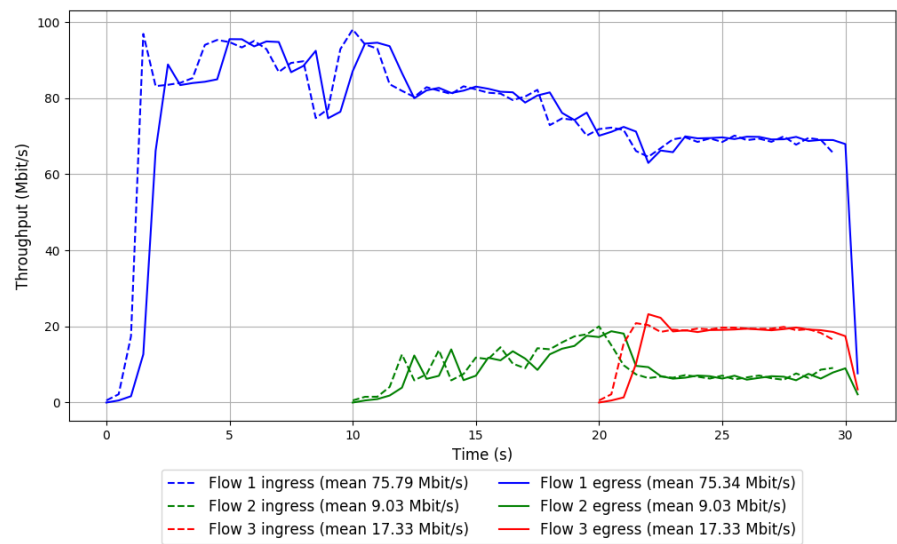


Run 1: Statistics of Copa

Start at: 2018-07-17 16:48:59
End at: 2018-07-17 16:49:29
Local clock offset: -7.754 ms
Remote clock offset: -7.138 ms

Below is generated by plot.py at 2018-07-17 20:15:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.11 Mbit/s
95th percentile per-packet one-way delay: 98.800 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 75.34 Mbit/s
95th percentile per-packet one-way delay: 98.516 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 9.03 Mbit/s
95th percentile per-packet one-way delay: 94.051 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.33 Mbit/s
95th percentile per-packet one-way delay: 101.471 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

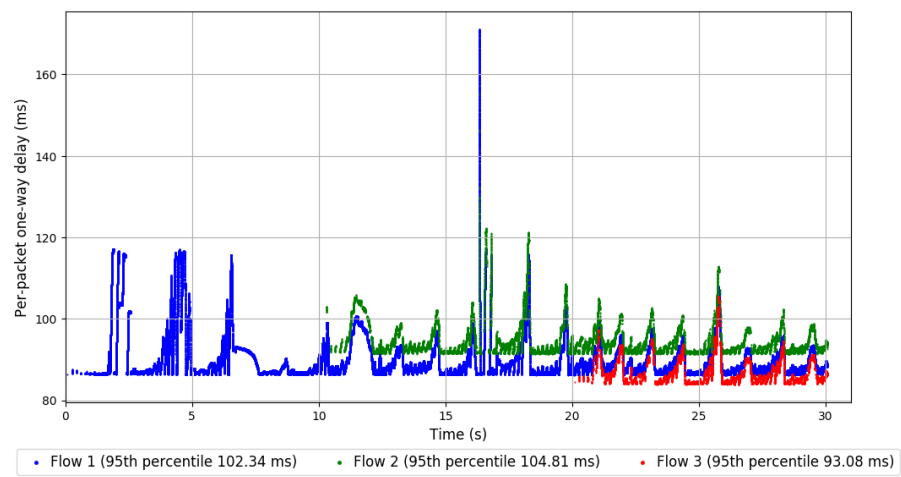
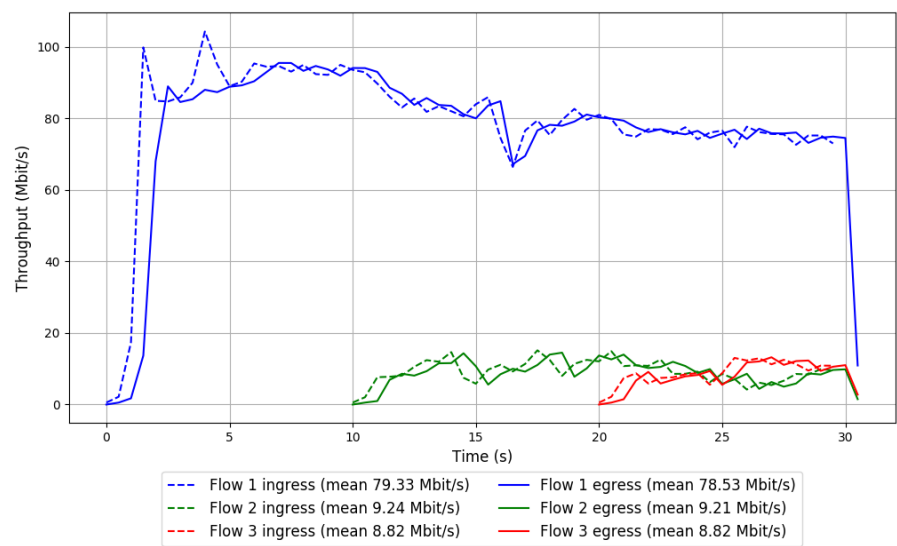


Run 2: Statistics of Copa

Start at: 2018-07-17 17:10:15
End at: 2018-07-17 17:10:45
Local clock offset: -12.826 ms
Remote clock offset: 6.482 ms

Below is generated by plot.py at 2018-07-17 20:15:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.60 Mbit/s
95th percentile per-packet one-way delay: 102.472 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 78.53 Mbit/s
95th percentile per-packet one-way delay: 102.338 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 9.21 Mbit/s
95th percentile per-packet one-way delay: 104.815 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 8.82 Mbit/s
95th percentile per-packet one-way delay: 93.080 ms
Loss rate: 0.04%

Run 2: Report of Copa — Data Link

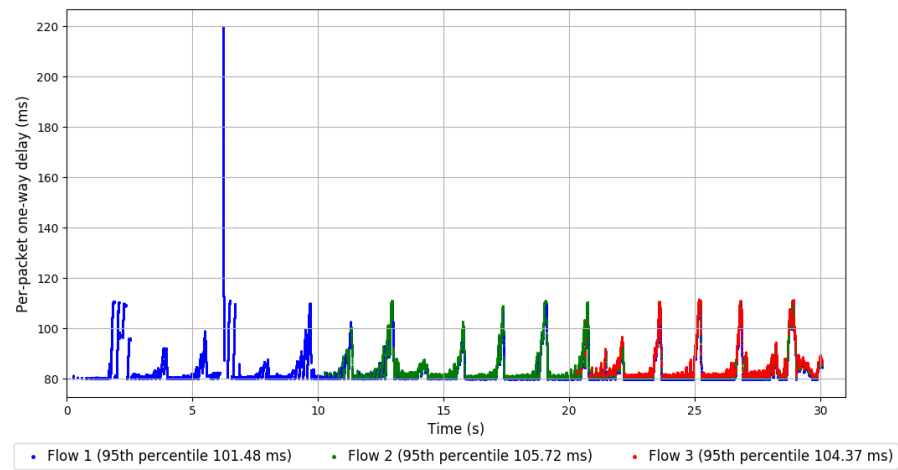
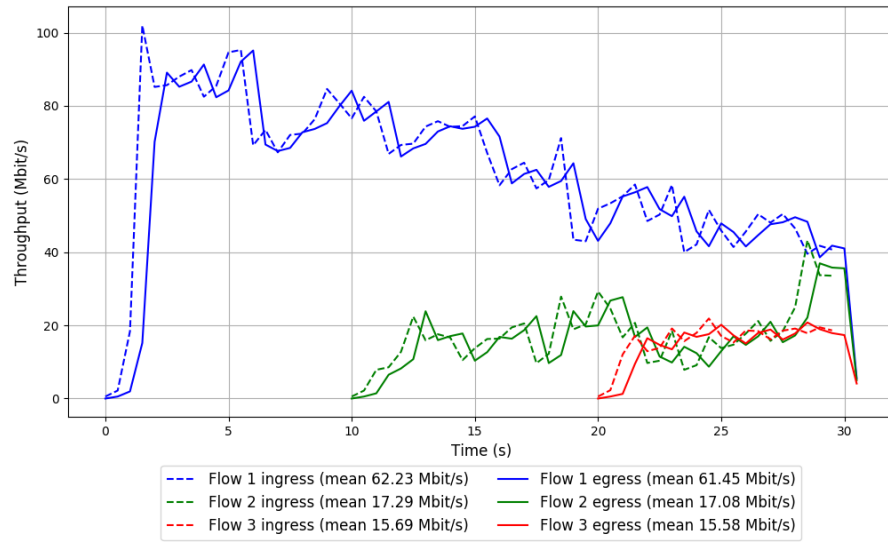


Run 3: Statistics of Copa

Start at: 2018-07-17 17:31:29
End at: 2018-07-17 17:31:59
Local clock offset: -15.639 ms
Remote clock offset: 7.175 ms

Below is generated by plot.py at 2018-07-17 20:15:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.01 Mbit/s
95th percentile per-packet one-way delay: 102.616 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 61.45 Mbit/s
95th percentile per-packet one-way delay: 101.482 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 17.08 Mbit/s
95th percentile per-packet one-way delay: 105.716 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 15.58 Mbit/s
95th percentile per-packet one-way delay: 104.366 ms
Loss rate: 0.67%

Run 3: Report of Copa — Data Link

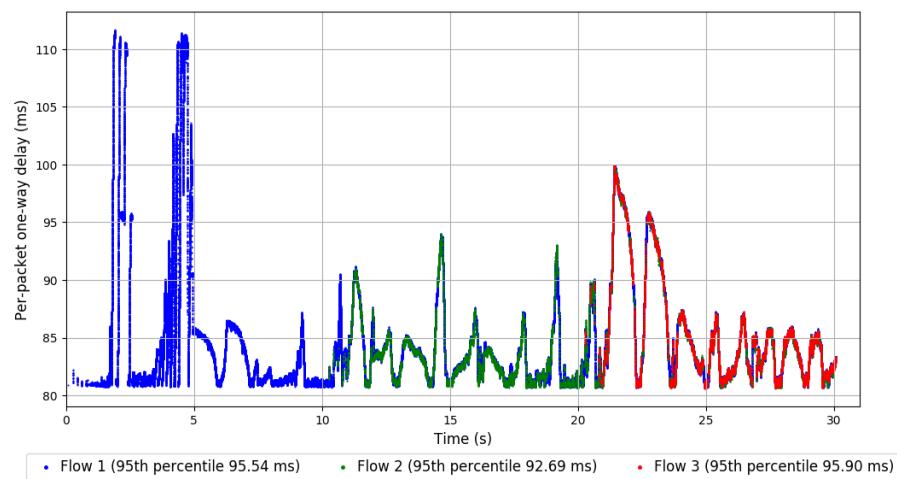
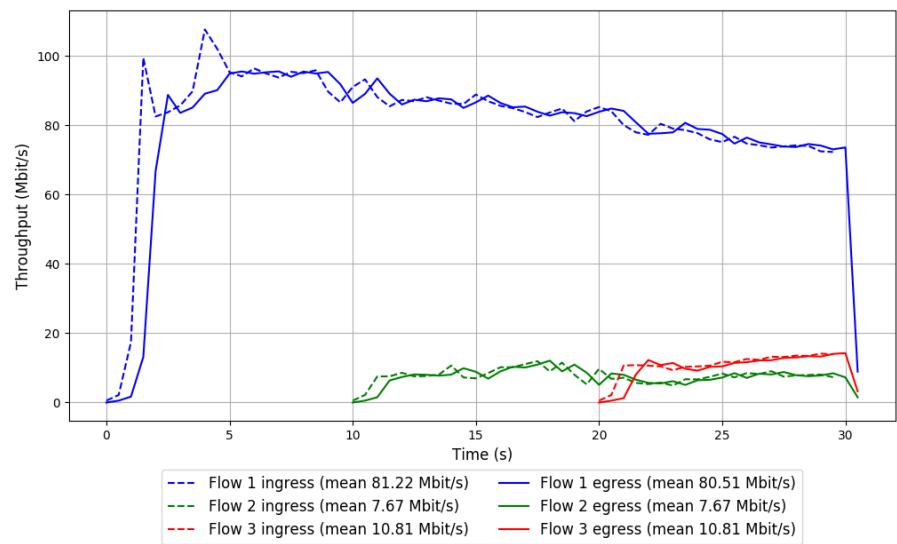


Run 4: Statistics of Copa

Start at: 2018-07-17 17:52:47
End at: 2018-07-17 17:53:17
Local clock offset: -17.955 ms
Remote clock offset: 14.369 ms

Below is generated by plot.py at 2018-07-17 20:15:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.21 Mbit/s
95th percentile per-packet one-way delay: 95.483 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 80.51 Mbit/s
95th percentile per-packet one-way delay: 95.539 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 7.67 Mbit/s
95th percentile per-packet one-way delay: 92.685 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.81 Mbit/s
95th percentile per-packet one-way delay: 95.903 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-17 18:14:08

End at: 2018-07-17 18:14:38

Local clock offset: -0.127 ms

Remote clock offset: 10.18 ms

Below is generated by plot.py at 2018-07-17 20:15:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.95 Mbit/s

95th percentile per-packet one-way delay: 110.677 ms

Loss rate: 1.30%

-- Flow 1:

Average throughput: 48.55 Mbit/s

95th percentile per-packet one-way delay: 113.656 ms

Loss rate: 1.73%

-- Flow 2:

Average throughput: 29.39 Mbit/s

95th percentile per-packet one-way delay: 104.076 ms

Loss rate: 0.54%

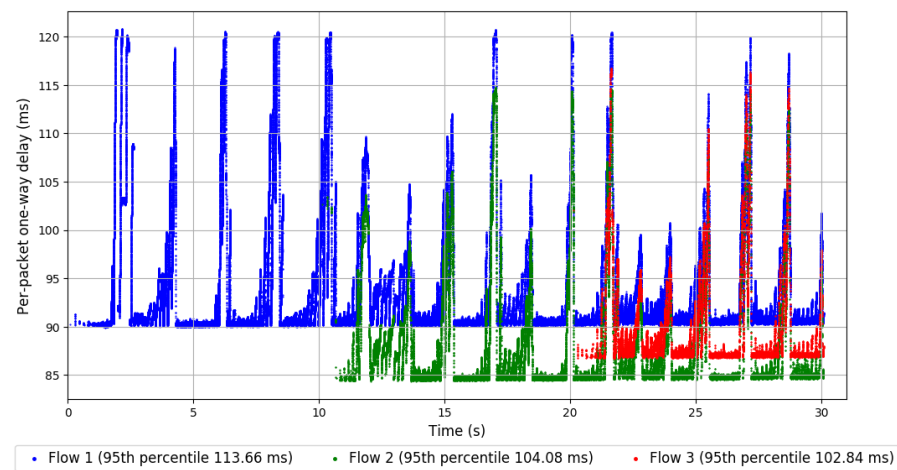
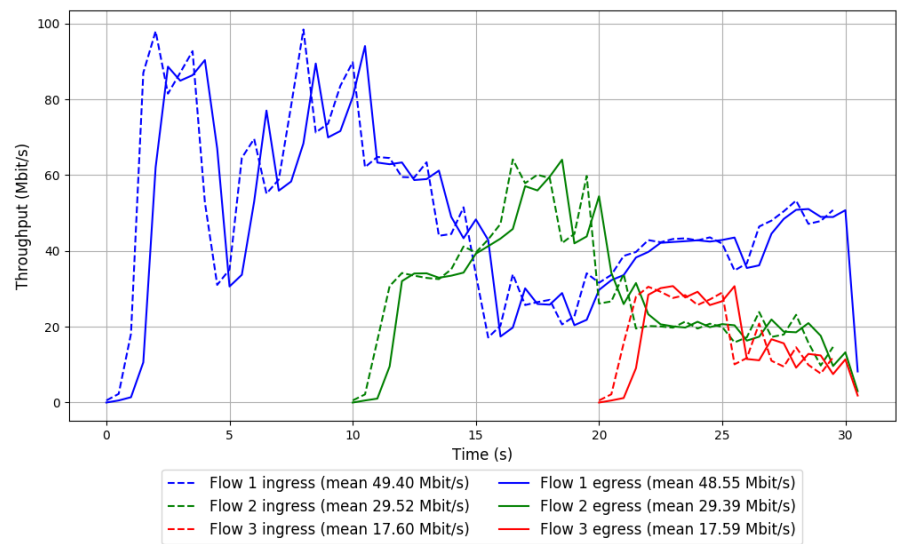
-- Flow 3:

Average throughput: 17.59 Mbit/s

95th percentile per-packet one-way delay: 102.843 ms

Loss rate: 0.24%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-17 18:35:23

End at: 2018-07-17 18:35:53

Local clock offset: 0.794 ms

Remote clock offset: 4.102 ms

Below is generated by plot.py at 2018-07-17 20:15:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.23 Mbit/s

95th percentile per-packet one-way delay: 100.877 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 62.13 Mbit/s

95th percentile per-packet one-way delay: 102.095 ms

Loss rate: 1.26%

-- Flow 2:

Average throughput: 26.66 Mbit/s

95th percentile per-packet one-way delay: 94.910 ms

Loss rate: 0.00%

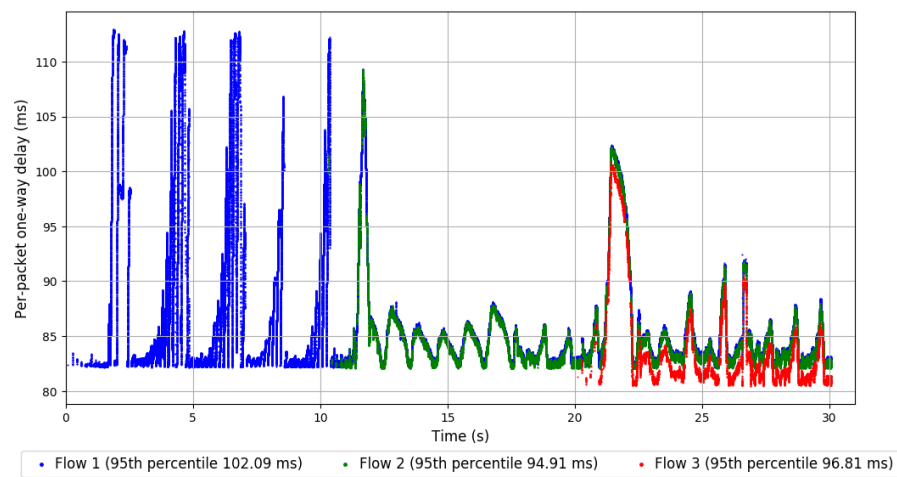
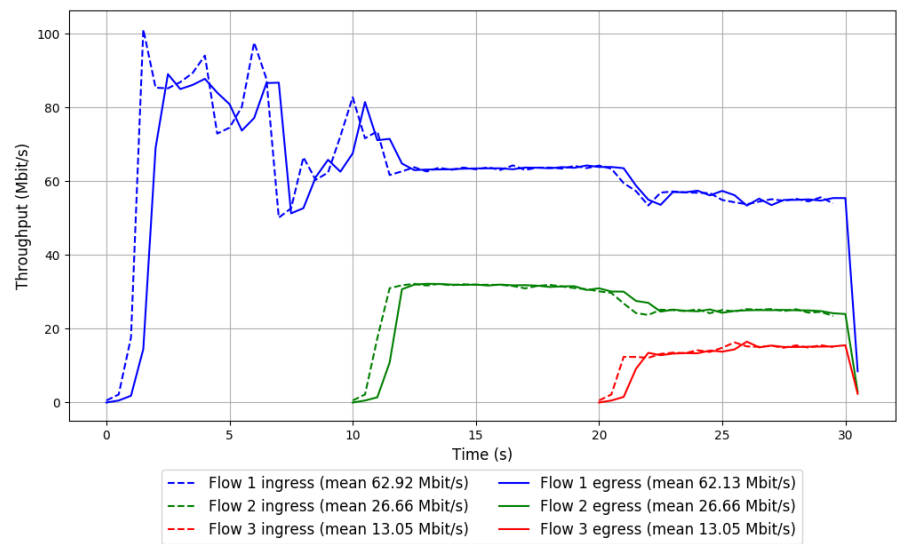
-- Flow 3:

Average throughput: 13.05 Mbit/s

95th percentile per-packet one-way delay: 96.812 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-17 18:56:43

End at: 2018-07-17 18:57:13

Local clock offset: 1.238 ms

Remote clock offset: 3.869 ms

Below is generated by plot.py at 2018-07-17 20:15:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.36 Mbit/s

95th percentile per-packet one-way delay: 100.521 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 67.98 Mbit/s

95th percentile per-packet one-way delay: 101.094 ms

Loss rate: 1.41%

-- Flow 2:

Average throughput: 10.78 Mbit/s

95th percentile per-packet one-way delay: 98.285 ms

Loss rate: 0.03%

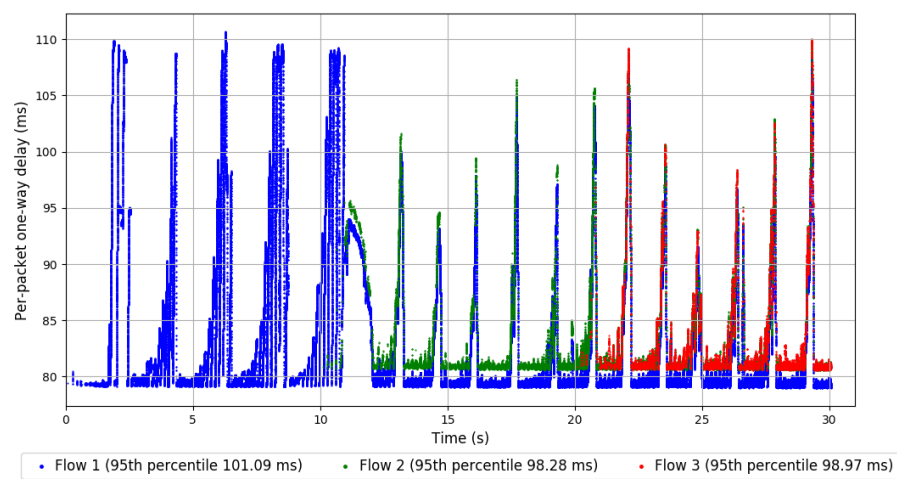
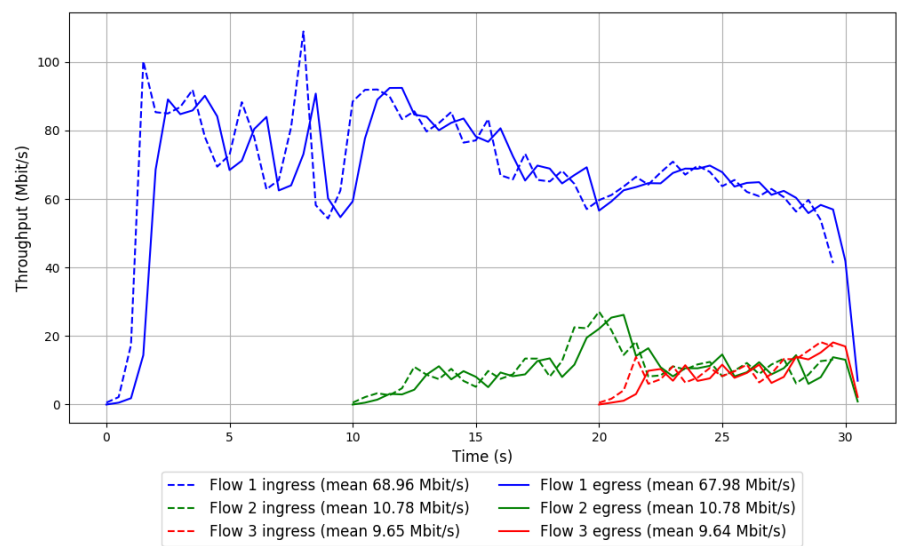
-- Flow 3:

Average throughput: 9.64 Mbit/s

95th percentile per-packet one-way delay: 98.971 ms

Loss rate: 0.03%

Run 7: Report of Copa — Data Link

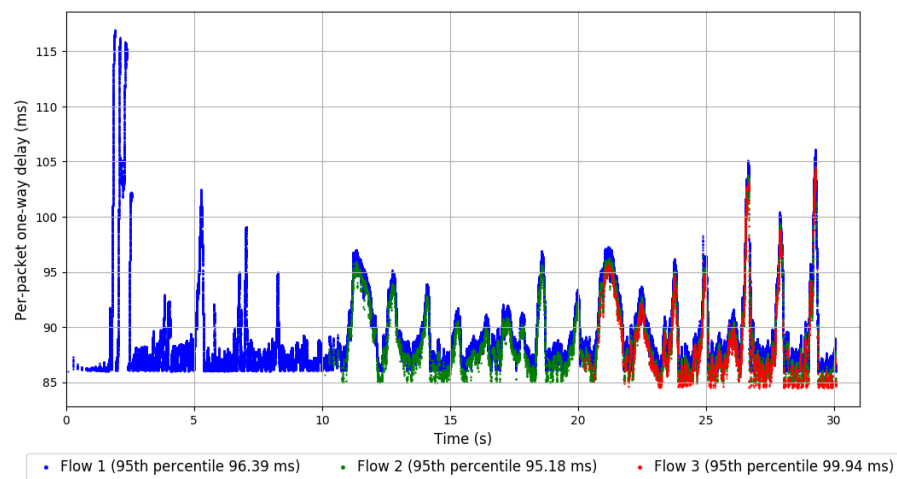
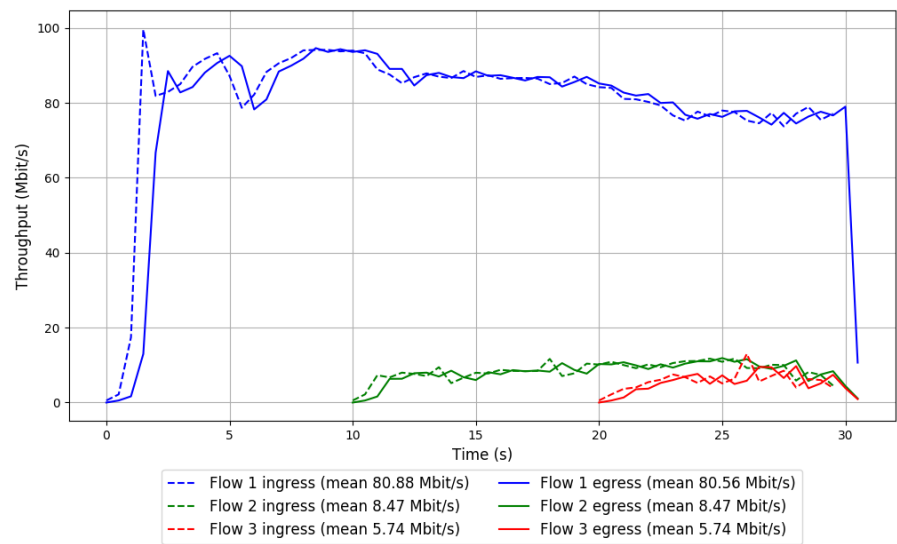


Run 8: Statistics of Copa

Start at: 2018-07-17 19:17:58
End at: 2018-07-17 19:18:28
Local clock offset: 0.155 ms
Remote clock offset: 11.712 ms

Below is generated by plot.py at 2018-07-17 20:16:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.11 Mbit/s
95th percentile per-packet one-way delay: 96.364 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 80.56 Mbit/s
95th percentile per-packet one-way delay: 96.388 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 8.47 Mbit/s
95th percentile per-packet one-way delay: 95.178 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.74 Mbit/s
95th percentile per-packet one-way delay: 99.939 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

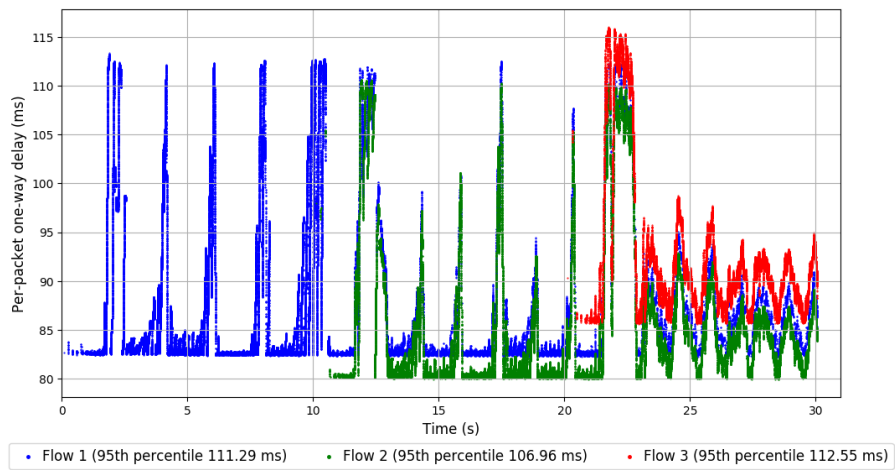
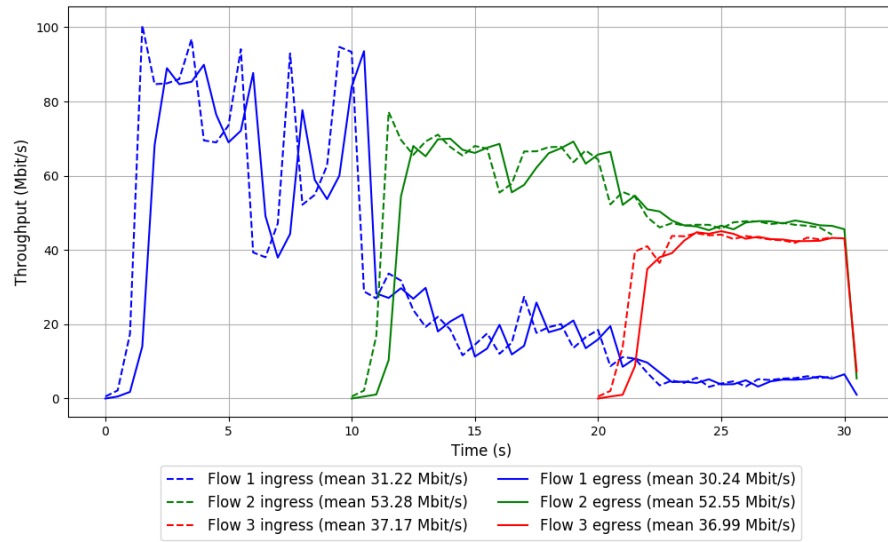


Run 9: Statistics of Copa

Start at: 2018-07-17 19:39:24
End at: 2018-07-17 19:39:54
Local clock offset: -11.445 ms
Remote clock offset: 9.881 ms

Below is generated by plot.py at 2018-07-17 20:16:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.51 Mbit/s
95th percentile per-packet one-way delay: 109.485 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 30.24 Mbit/s
95th percentile per-packet one-way delay: 111.292 ms
Loss rate: 3.14%
-- Flow 2:
Average throughput: 52.55 Mbit/s
95th percentile per-packet one-way delay: 106.960 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 36.99 Mbit/s
95th percentile per-packet one-way delay: 112.548 ms
Loss rate: 0.53%

Run 9: Report of Copa — Data Link

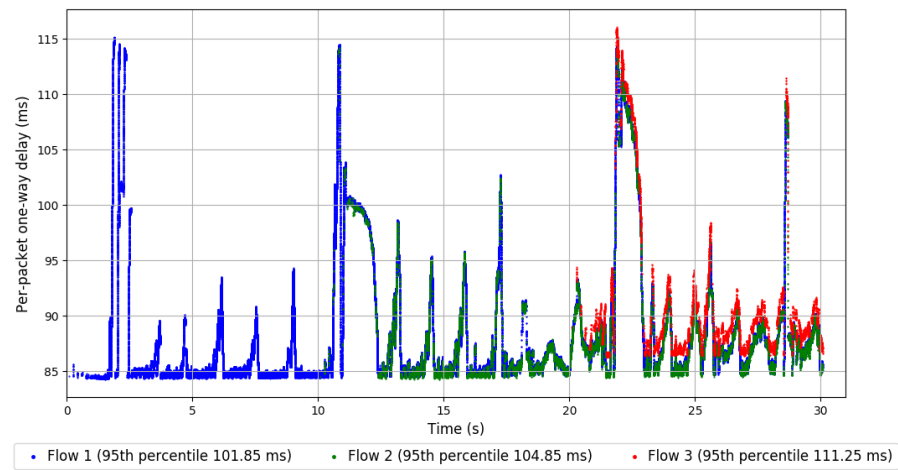
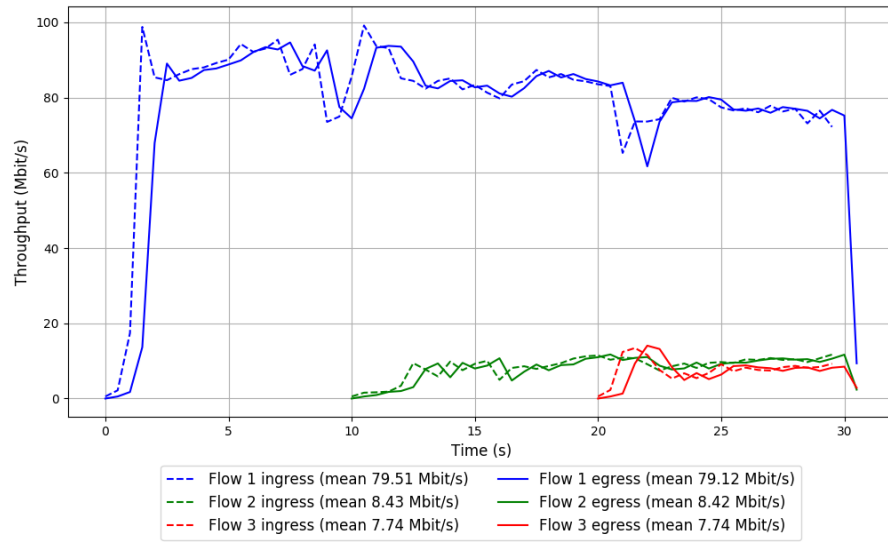


Run 10: Statistics of Copa

Start at: 2018-07-17 20:00:39
End at: 2018-07-17 20:01:09
Local clock offset: -9.052 ms
Remote clock offset: 11.566 ms

Below is generated by plot.py at 2018-07-17 20:16:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.31 Mbit/s
95th percentile per-packet one-way delay: 102.730 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 79.12 Mbit/s
95th percentile per-packet one-way delay: 101.853 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 104.850 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 7.74 Mbit/s
95th percentile per-packet one-way delay: 111.246 ms
Loss rate: 0.09%

Run 10: Report of Copa — Data Link

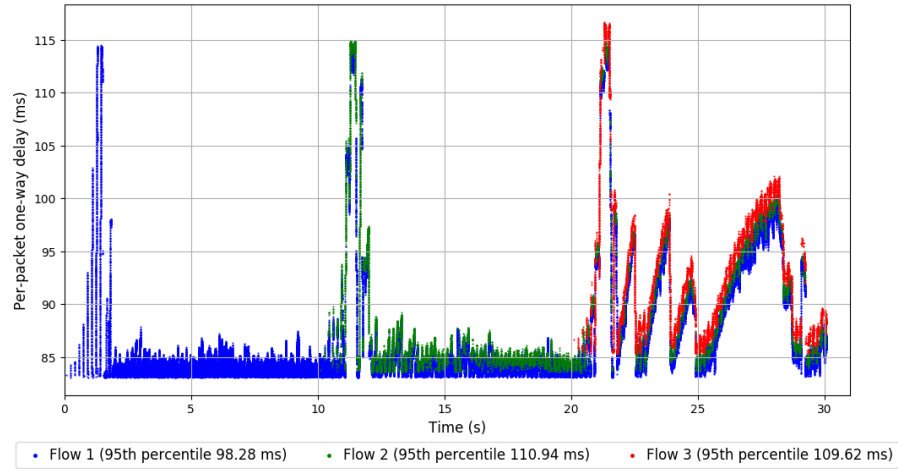
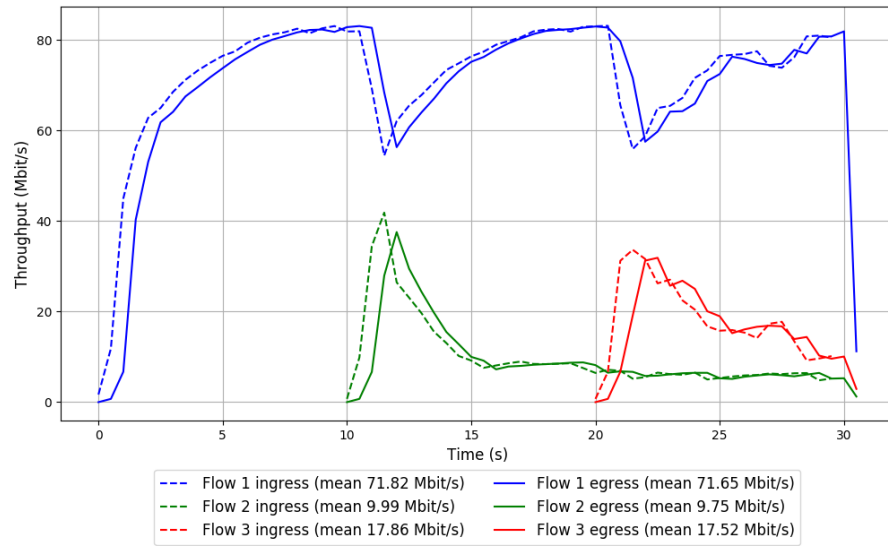


Run 1: Statistics of TCP Cubic

Start at: 2018-07-17 16:47:44
End at: 2018-07-17 16:48:14
Local clock offset: -7.649 ms
Remote clock offset: -3.005 ms

Below is generated by plot.py at 2018-07-17 20:16:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.96 Mbit/s
95th percentile per-packet one-way delay: 99.190 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 71.65 Mbit/s
95th percentile per-packet one-way delay: 98.278 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 9.75 Mbit/s
95th percentile per-packet one-way delay: 110.938 ms
Loss rate: 2.39%
-- Flow 3:
Average throughput: 17.52 Mbit/s
95th percentile per-packet one-way delay: 109.622 ms
Loss rate: 1.84%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-17 17:09:00

End at: 2018-07-17 17:09:30

Local clock offset: -12.57 ms

Remote clock offset: 7.481 ms

Below is generated by plot.py at 2018-07-17 20:16:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.70 Mbit/s

95th percentile per-packet one-way delay: 114.606 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 52.53 Mbit/s

95th percentile per-packet one-way delay: 114.762 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 38.40 Mbit/s

95th percentile per-packet one-way delay: 114.416 ms

Loss rate: 0.68%

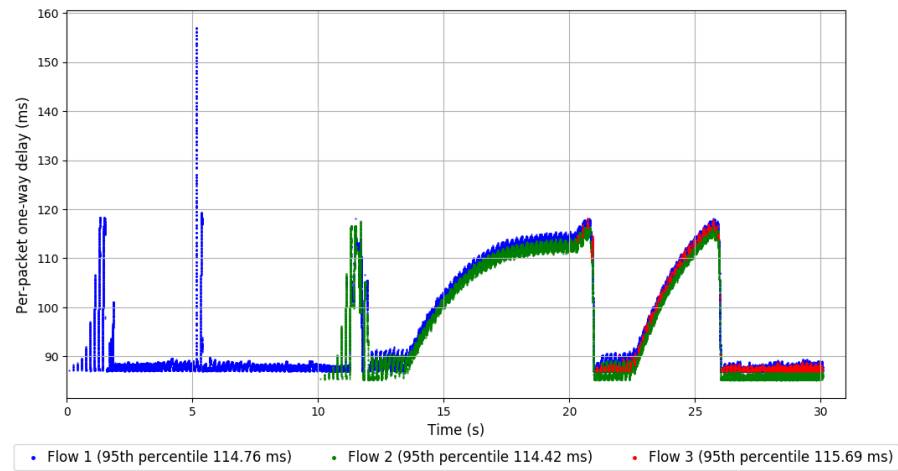
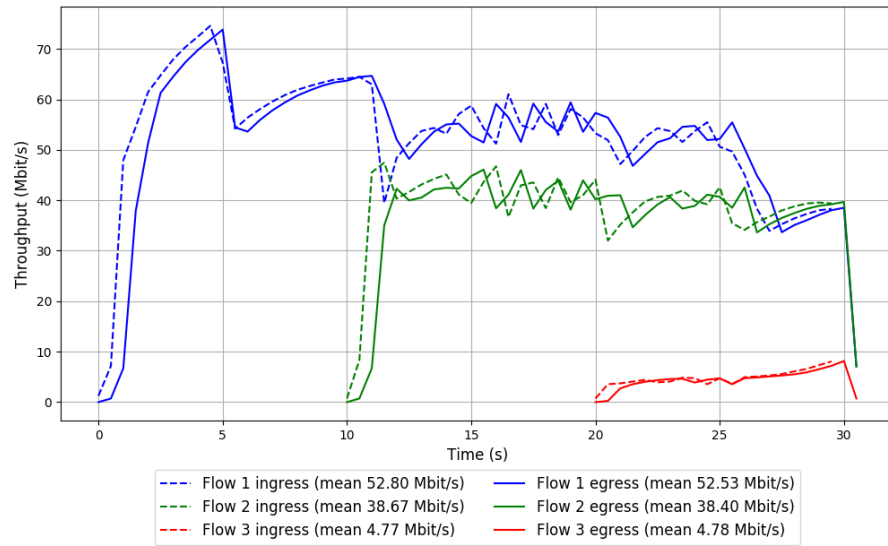
-- Flow 3:

Average throughput: 4.78 Mbit/s

95th percentile per-packet one-way delay: 115.691 ms

Loss rate: 0.18%

Run 2: Report of TCP Cubic — Data Link

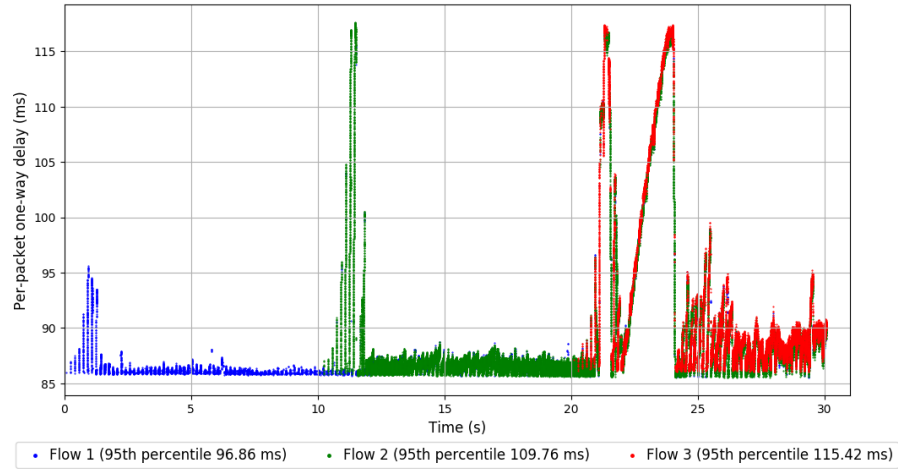
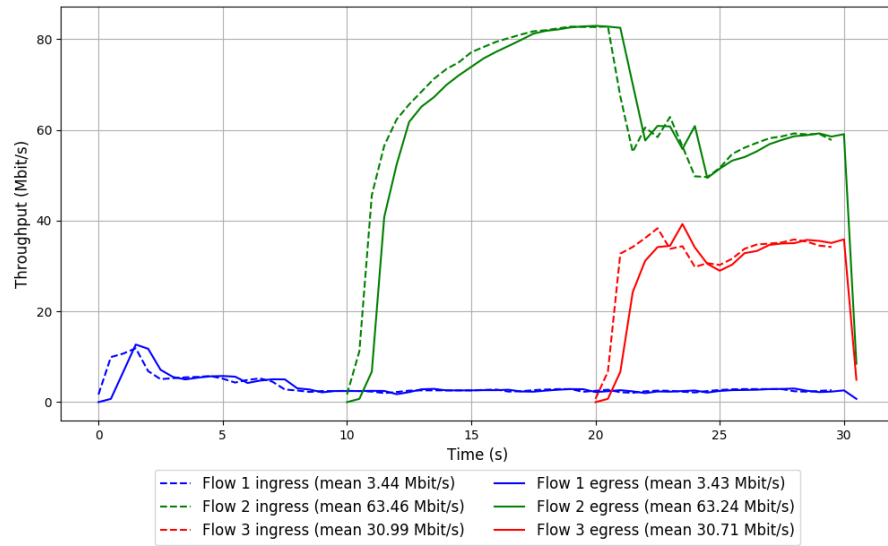


Run 3: Statistics of TCP Cubic

Start at: 2018-07-17 17:30:15
End at: 2018-07-17 17:30:45
Local clock offset: -15.542 ms
Remote clock offset: 11.461 ms

Below is generated by plot.py at 2018-07-17 20:16:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.79 Mbit/s
95th percentile per-packet one-way delay: 111.425 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 96.863 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 63.24 Mbit/s
95th percentile per-packet one-way delay: 109.756 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 30.71 Mbit/s
95th percentile per-packet one-way delay: 115.420 ms
Loss rate: 0.87%

Run 3: Report of TCP Cubic — Data Link

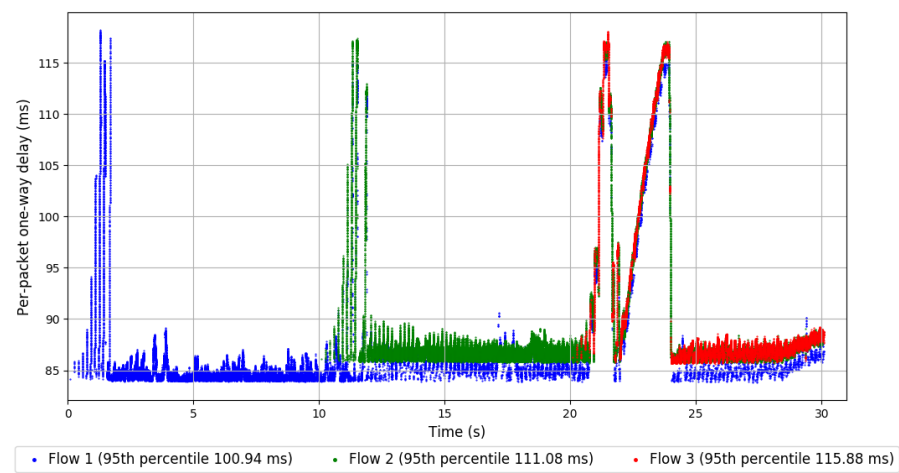
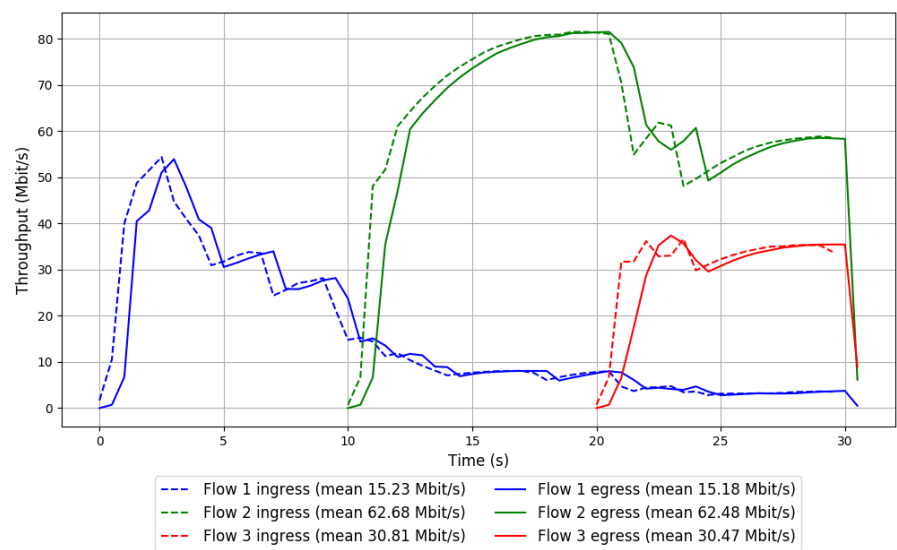


Run 4: Statistics of TCP Cubic

Start at: 2018-07-17 17:51:33
End at: 2018-07-17 17:52:03
Local clock offset: -17.839 ms
Remote clock offset: 19.048 ms

Below is generated by plot.py at 2018-07-17 20:16:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.86 Mbit/s
95th percentile per-packet one-way delay: 111.069 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 15.18 Mbit/s
95th percentile per-packet one-way delay: 100.942 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 62.48 Mbit/s
95th percentile per-packet one-way delay: 111.077 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 30.47 Mbit/s
95th percentile per-packet one-way delay: 115.882 ms
Loss rate: 1.10%

Run 4: Report of TCP Cubic — Data Link

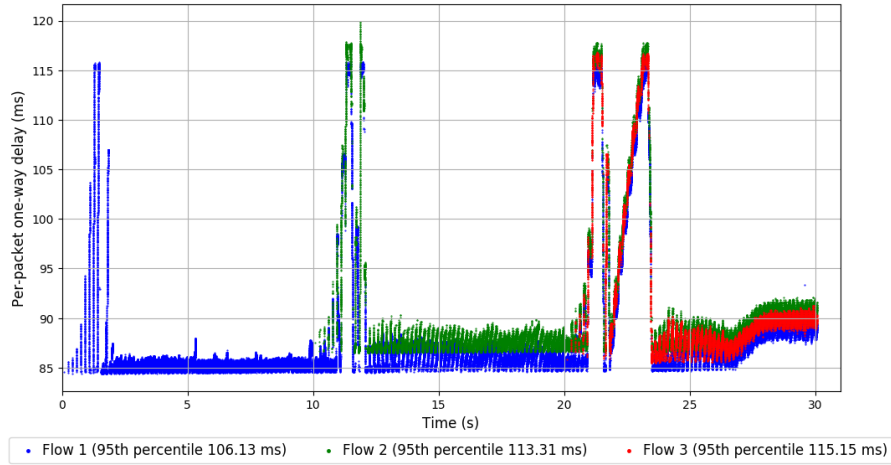
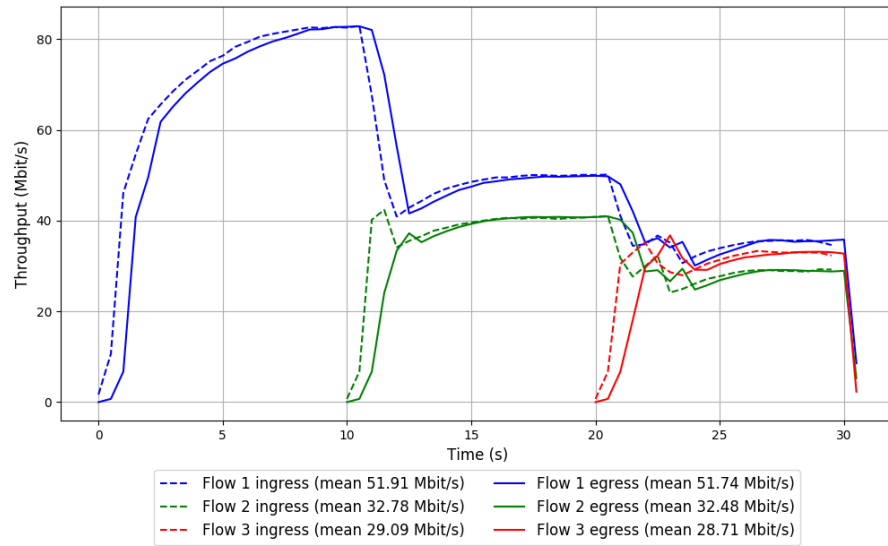


Run 5: Statistics of TCP Cubic

Start at: 2018-07-17 18:12:53
End at: 2018-07-17 18:13:23
Local clock offset: -0.719 ms
Remote clock offset: 10.612 ms

Below is generated by plot.py at 2018-07-17 20:16:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.92 Mbit/s
95th percentile per-packet one-way delay: 110.504 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 51.74 Mbit/s
95th percentile per-packet one-way delay: 106.131 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 32.48 Mbit/s
95th percentile per-packet one-way delay: 113.315 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 28.71 Mbit/s
95th percentile per-packet one-way delay: 115.152 ms
Loss rate: 1.26%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-17 18:34:08

End at: 2018-07-17 18:34:38

Local clock offset: 0.883 ms

Remote clock offset: 2.766 ms

Below is generated by plot.py at 2018-07-17 20:17:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.29 Mbit/s

95th percentile per-packet one-way delay: 108.763 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 54.79 Mbit/s

95th percentile per-packet one-way delay: 106.955 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 35.49 Mbit/s

95th percentile per-packet one-way delay: 110.251 ms

Loss rate: 0.71%

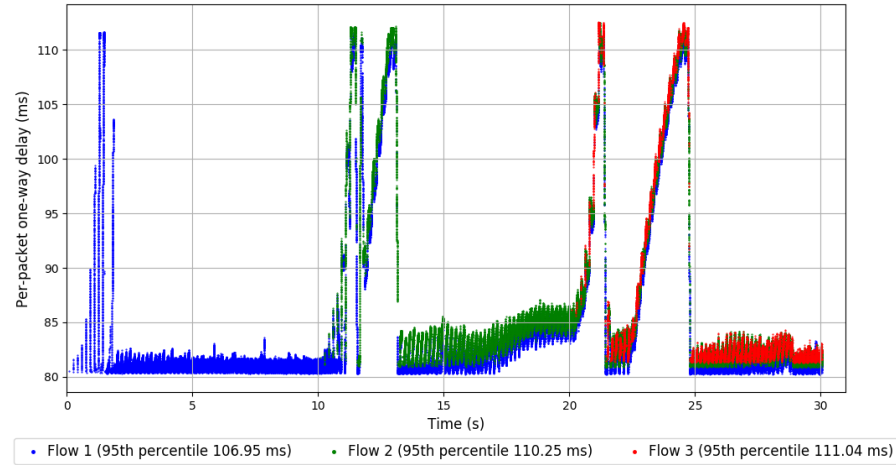
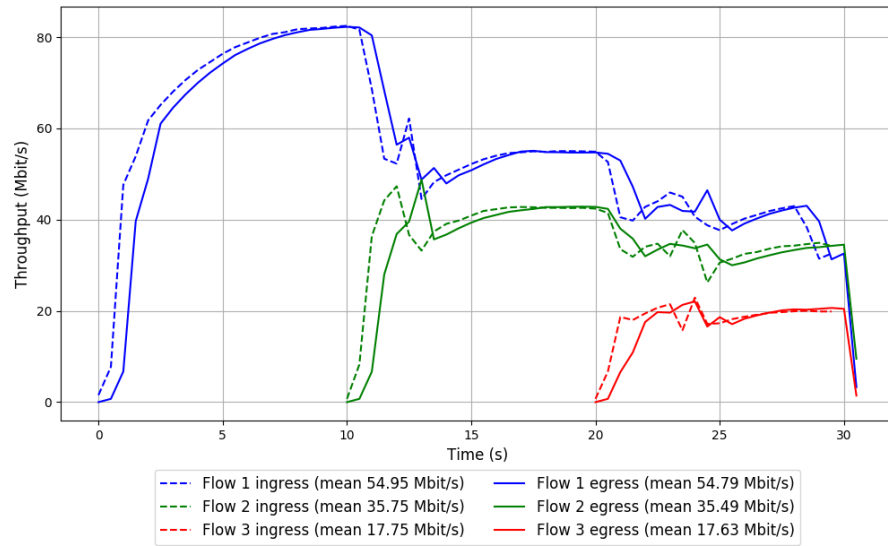
-- Flow 3:

Average throughput: 17.63 Mbit/s

95th percentile per-packet one-way delay: 111.038 ms

Loss rate: 0.71%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-17 18:55:28

End at: 2018-07-17 18:55:58

Local clock offset: 1.591 ms

Remote clock offset: 7.678 ms

Below is generated by plot.py at 2018-07-17 20:17:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.96 Mbit/s

95th percentile per-packet one-way delay: 107.442 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 42.04 Mbit/s

95th percentile per-packet one-way delay: 104.635 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 31.72 Mbit/s

95th percentile per-packet one-way delay: 112.974 ms

Loss rate: 0.85%

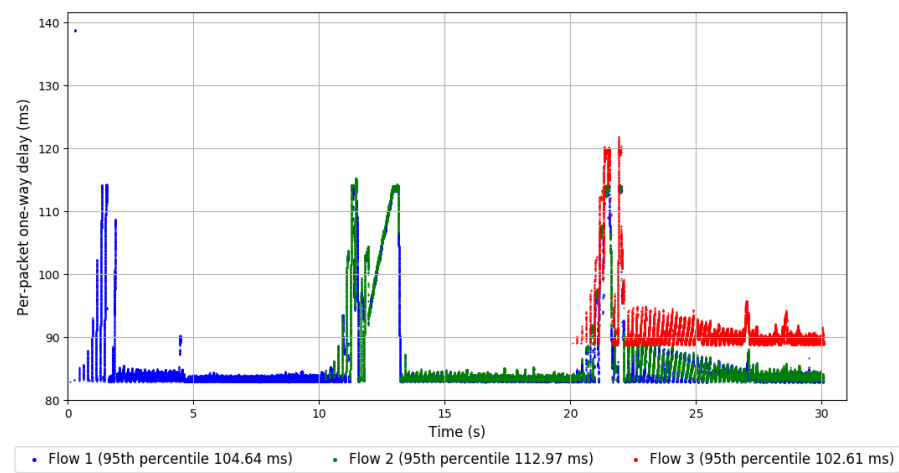
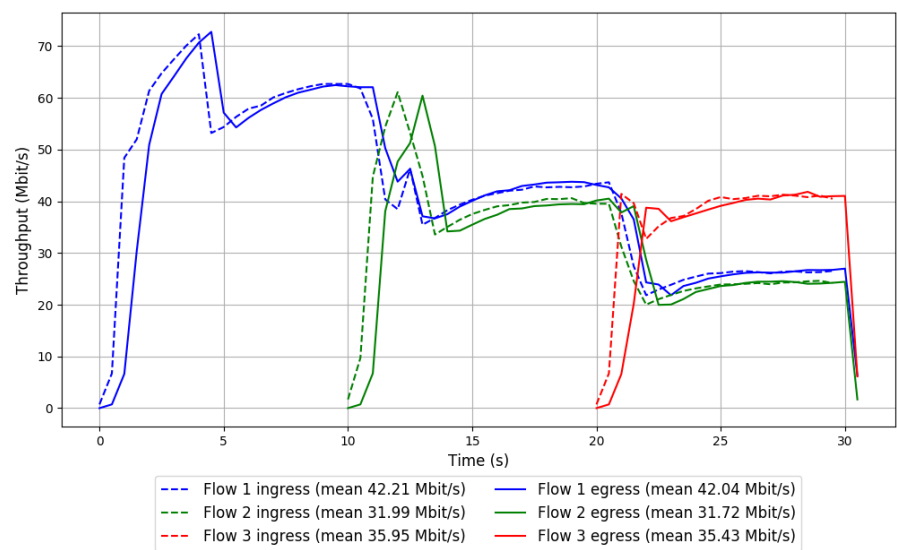
-- Flow 3:

Average throughput: 35.43 Mbit/s

95th percentile per-packet one-way delay: 102.612 ms

Loss rate: 1.46%

Run 7: Report of TCP Cubic — Data Link

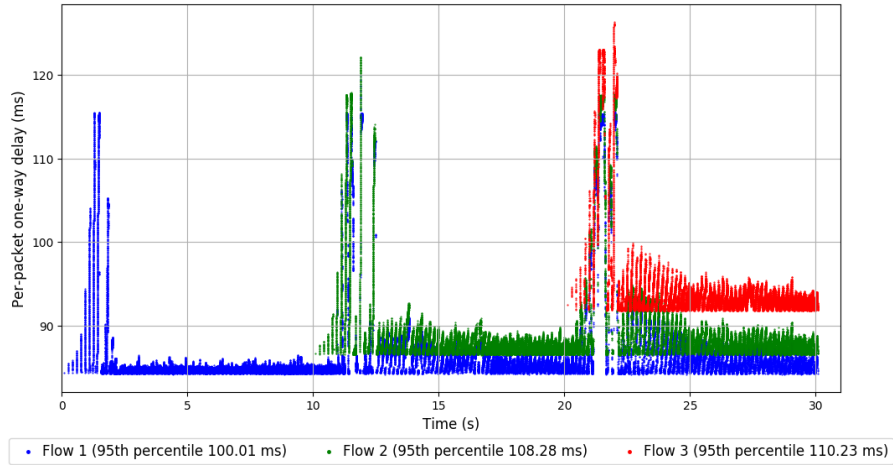
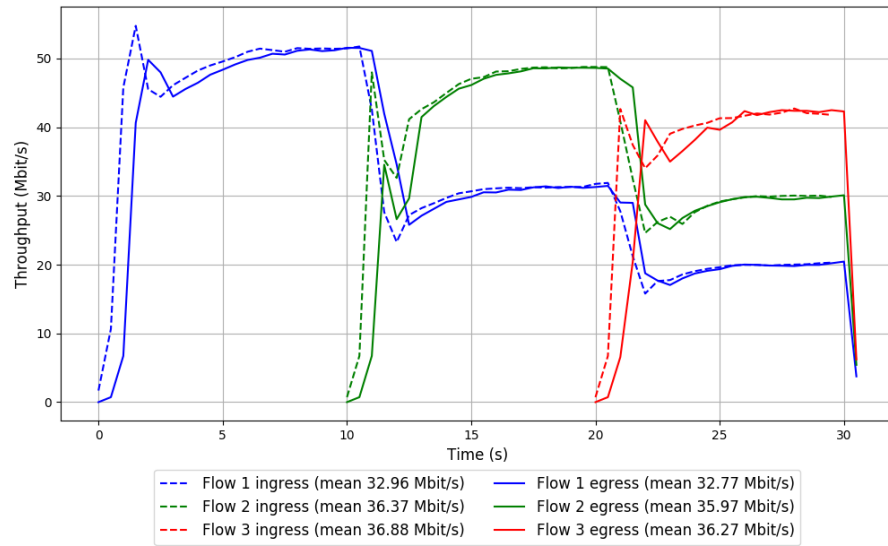


Run 8: Statistics of TCP Cubic

Start at: 2018-07-17 19:16:43
End at: 2018-07-17 19:17:13
Local clock offset: 0.114 ms
Remote clock offset: 11.585 ms

Below is generated by plot.py at 2018-07-17 20:17:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.79 Mbit/s
95th percentile per-packet one-way delay: 105.352 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 32.77 Mbit/s
95th percentile per-packet one-way delay: 100.009 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 35.97 Mbit/s
95th percentile per-packet one-way delay: 108.277 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 36.27 Mbit/s
95th percentile per-packet one-way delay: 110.235 ms
Loss rate: 1.71%

Run 8: Report of TCP Cubic — Data Link

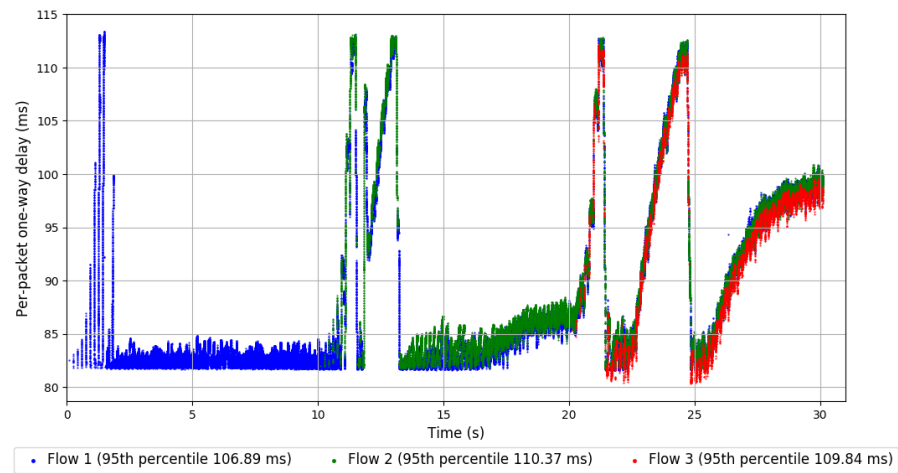
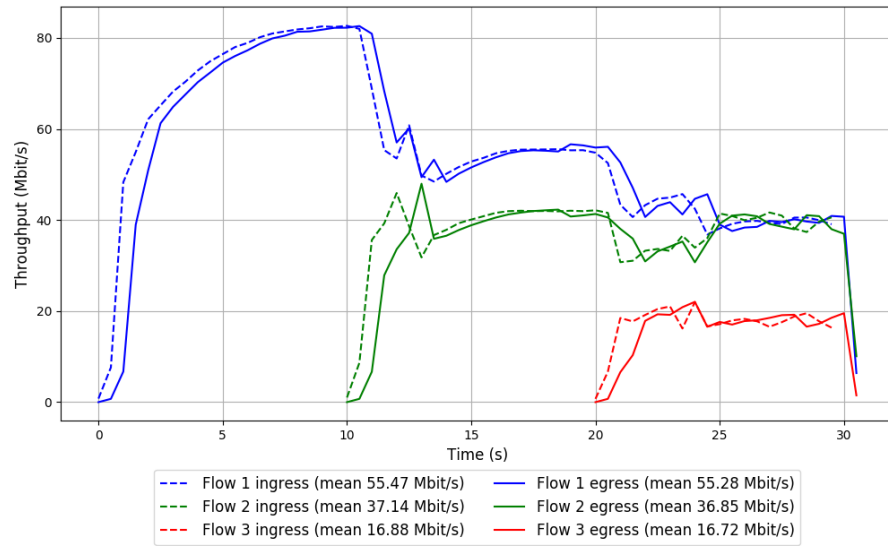


Run 9: Statistics of TCP Cubic

Start at: 2018-07-17 19:38:09
End at: 2018-07-17 19:38:39
Local clock offset: -10.846 ms
Remote clock offset: 9.737 ms

Below is generated by plot.py at 2018-07-17 20:17:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.41 Mbit/s
95th percentile per-packet one-way delay: 108.855 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 55.28 Mbit/s
95th percentile per-packet one-way delay: 106.891 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 36.85 Mbit/s
95th percentile per-packet one-way delay: 110.368 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 16.72 Mbit/s
95th percentile per-packet one-way delay: 109.837 ms
Loss rate: 0.84%

Run 9: Report of TCP Cubic — Data Link

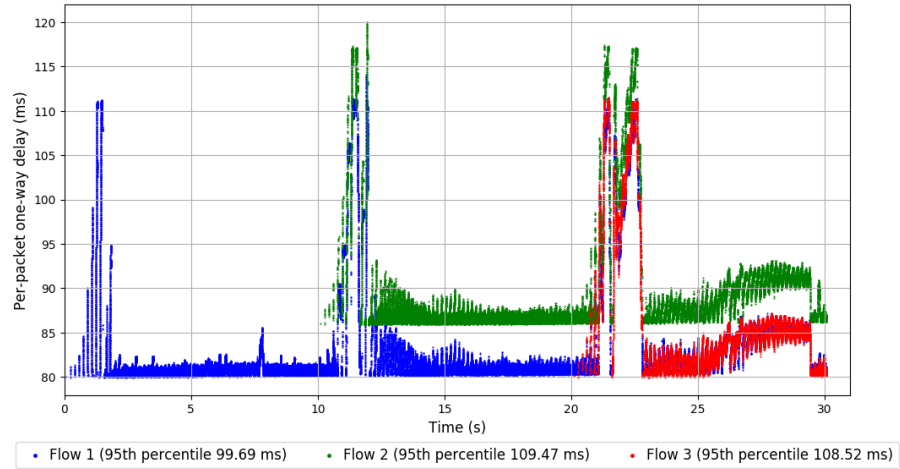
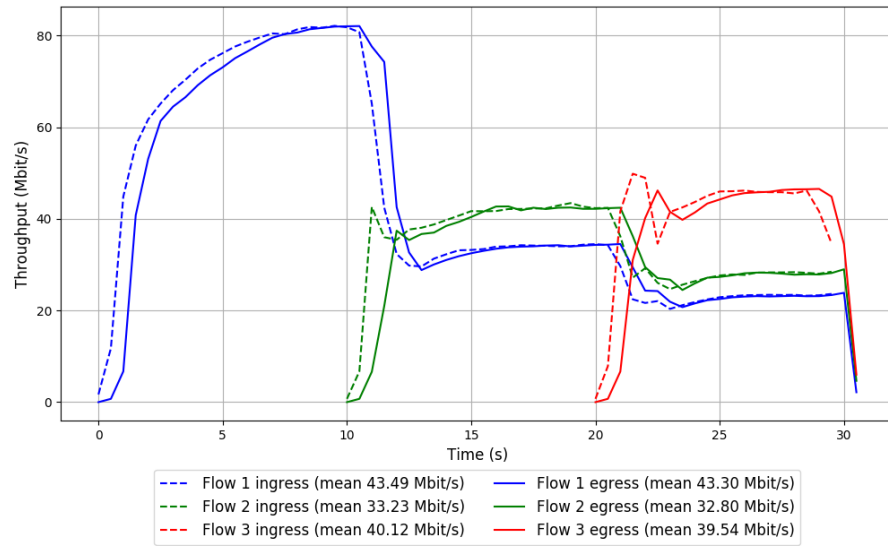


Run 10: Statistics of TCP Cubic

Start at: 2018-07-17 19:59:24
End at: 2018-07-17 19:59:54
Local clock offset: -10.107 ms
Remote clock offset: 7.693 ms

Below is generated by plot.py at 2018-07-17 20:17:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.29 Mbit/s
95th percentile per-packet one-way delay: 105.238 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 43.30 Mbit/s
95th percentile per-packet one-way delay: 99.685 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 32.80 Mbit/s
95th percentile per-packet one-way delay: 109.473 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 39.54 Mbit/s
95th percentile per-packet one-way delay: 108.522 ms
Loss rate: 1.43%

Run 10: Report of TCP Cubic — Data Link

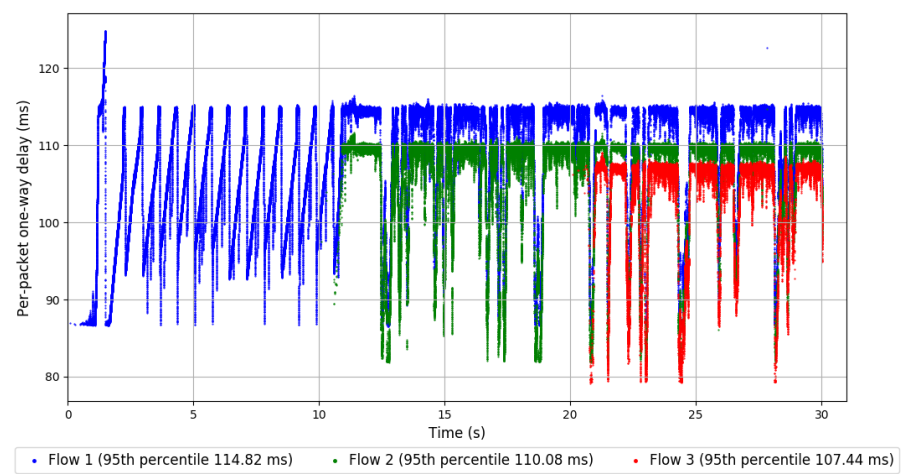
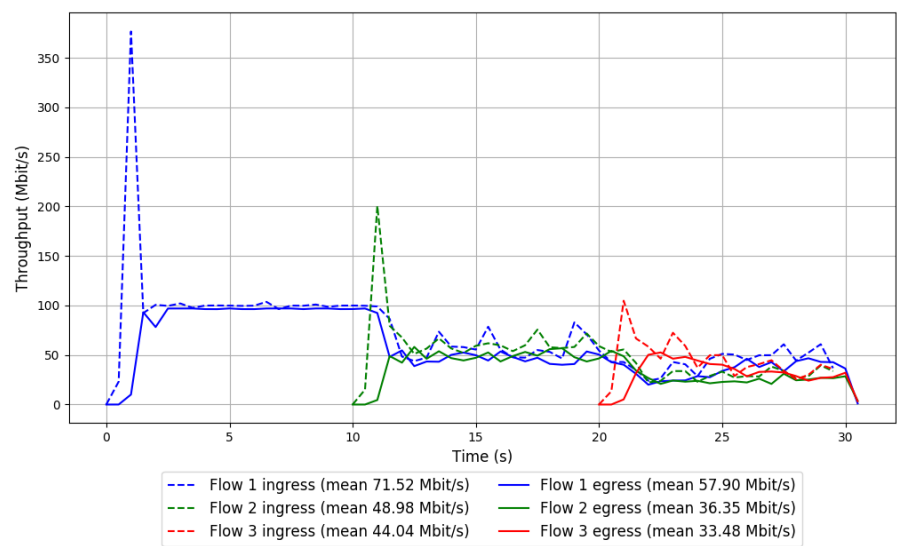


Run 1: Statistics of FillP

Start at: 2018-07-17 16:50:19
End at: 2018-07-17 16:50:49
Local clock offset: -7.874 ms
Remote clock offset: -7.404 ms

Below is generated by plot.py at 2018-07-17 20:18:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.21 Mbit/s
95th percentile per-packet one-way delay: 114.722 ms
Loss rate: 21.48%
-- Flow 1:
Average throughput: 57.90 Mbit/s
95th percentile per-packet one-way delay: 114.822 ms
Loss rate: 19.00%
-- Flow 2:
Average throughput: 36.35 Mbit/s
95th percentile per-packet one-way delay: 110.085 ms
Loss rate: 25.77%
-- Flow 3:
Average throughput: 33.48 Mbit/s
95th percentile per-packet one-way delay: 107.442 ms
Loss rate: 24.04%

Run 1: Report of FillP — Data Link

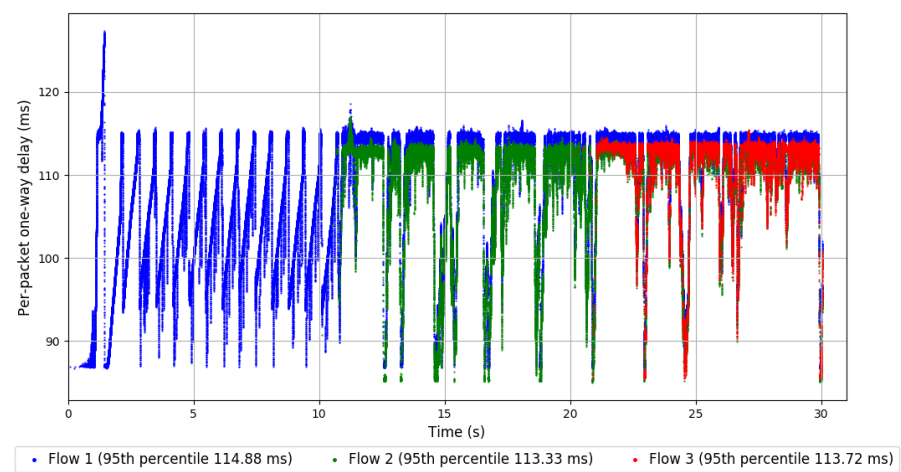
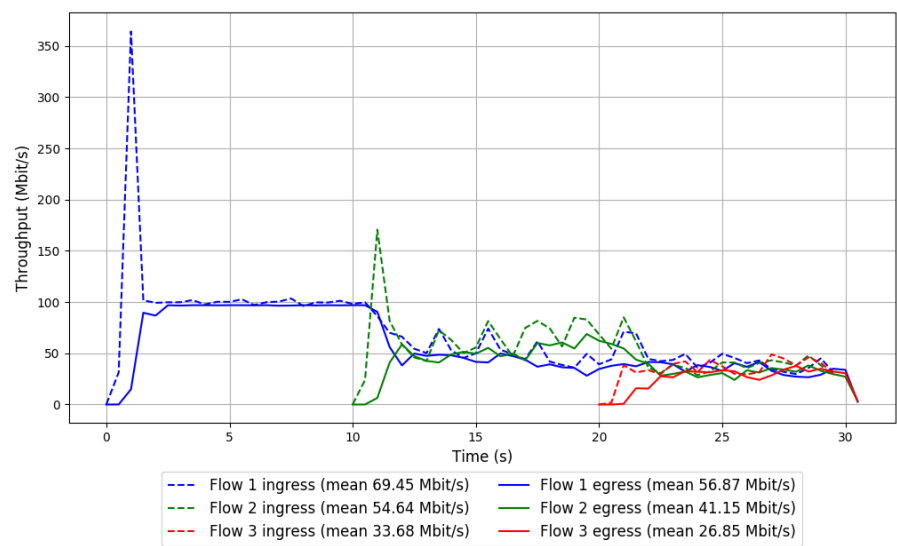


Run 2: Statistics of FillP

Start at: 2018-07-17 17:11:34
End at: 2018-07-17 17:12:04
Local clock offset: -13.021 ms
Remote clock offset: 7.738 ms

Below is generated by plot.py at 2018-07-17 20:18:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.16 Mbit/s
95th percentile per-packet one-way delay: 114.780 ms
Loss rate: 20.34%
-- Flow 1:
Average throughput: 56.87 Mbit/s
95th percentile per-packet one-way delay: 114.883 ms
Loss rate: 18.07%
-- Flow 2:
Average throughput: 41.15 Mbit/s
95th percentile per-packet one-way delay: 113.328 ms
Loss rate: 24.65%
-- Flow 3:
Average throughput: 26.85 Mbit/s
95th percentile per-packet one-way delay: 113.722 ms
Loss rate: 20.37%

Run 2: Report of FillP — Data Link

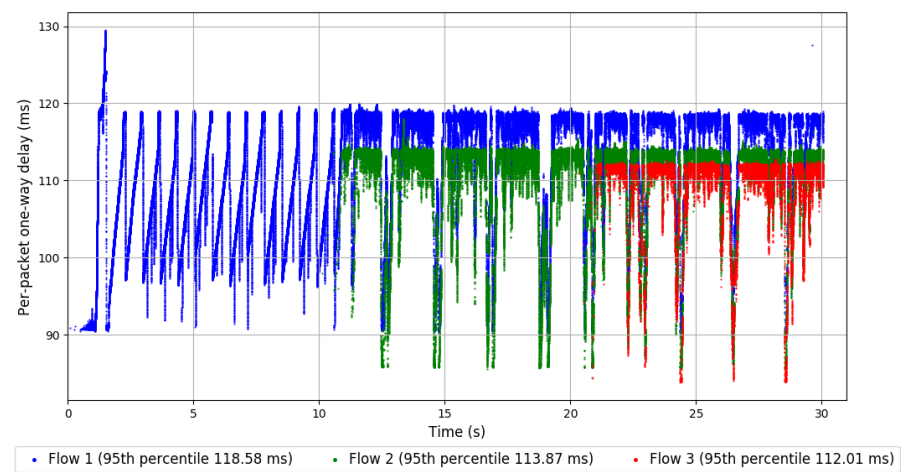
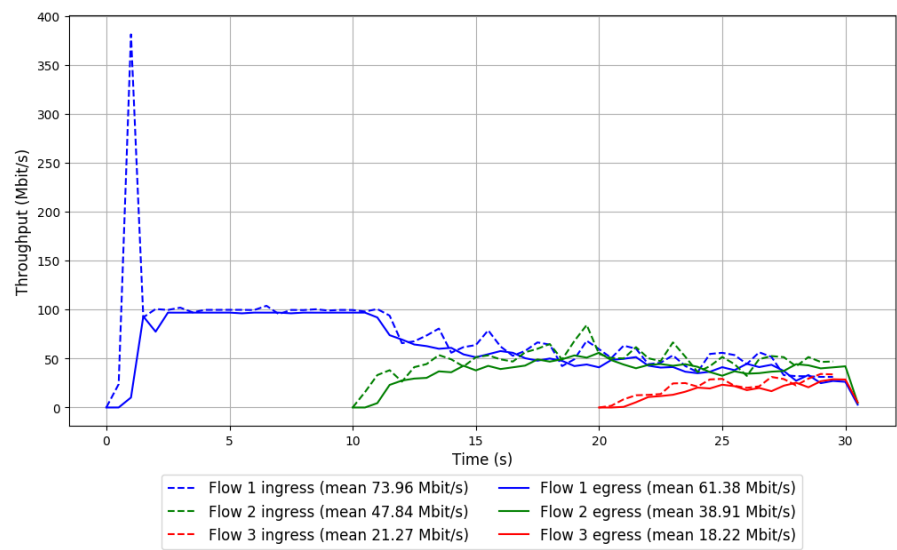


Run 3: Statistics of FillP

Start at: 2018-07-17 17:32:47
End at: 2018-07-17 17:33:17
Local clock offset: -15.813 ms
Remote clock offset: 11.98 ms

Below is generated by plot.py at 2018-07-17 20:18:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: 118.482 ms
Loss rate: 17.35%
-- Flow 1:
Average throughput: 61.38 Mbit/s
95th percentile per-packet one-way delay: 118.581 ms
Loss rate: 16.94%
-- Flow 2:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: 113.872 ms
Loss rate: 18.60%
-- Flow 3:
Average throughput: 18.22 Mbit/s
95th percentile per-packet one-way delay: 112.012 ms
Loss rate: 16.05%

Run 3: Report of FillP — Data Link

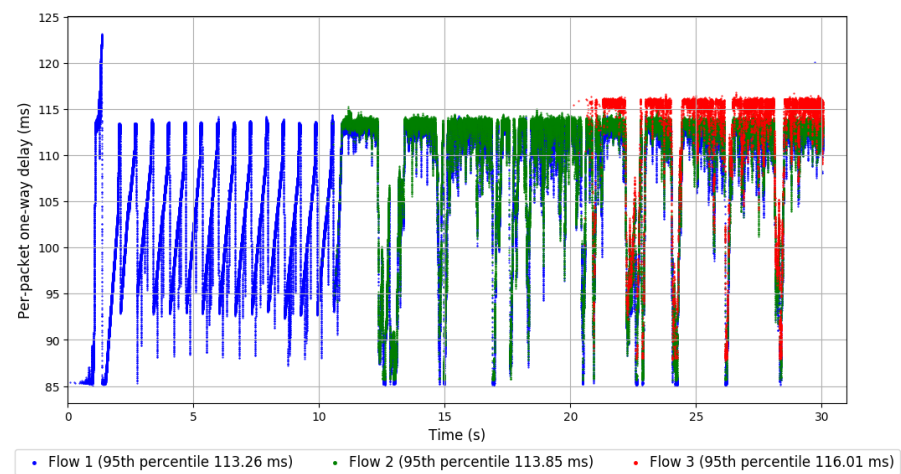
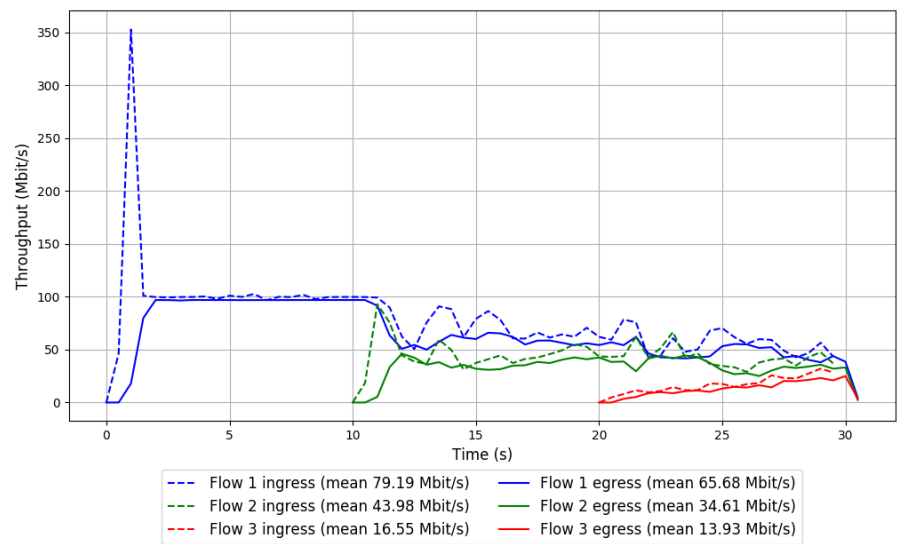


Run 4: Statistics of FillP

Start at: 2018-07-17 17:54:06
End at: 2018-07-17 17:54:36
Local clock offset: -18.075 ms
Remote clock offset: 20.883 ms

Below is generated by plot.py at 2018-07-17 20:18:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.32 Mbit/s
95th percentile per-packet one-way delay: 113.853 ms
Loss rate: 18.03%
-- Flow 1:
Average throughput: 65.68 Mbit/s
95th percentile per-packet one-way delay: 113.264 ms
Loss rate: 16.99%
-- Flow 2:
Average throughput: 34.61 Mbit/s
95th percentile per-packet one-way delay: 113.850 ms
Loss rate: 21.25%
-- Flow 3:
Average throughput: 13.93 Mbit/s
95th percentile per-packet one-way delay: 116.014 ms
Loss rate: 15.87%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-17 18:15:26

End at: 2018-07-17 18:15:56

Local clock offset: 0.287 ms

Remote clock offset: 4.828 ms

Below is generated by plot.py at 2018-07-17 20:18:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.23 Mbit/s

95th percentile per-packet one-way delay: 109.796 ms

Loss rate: 26.80%

-- Flow 1:

Average throughput: 58.16 Mbit/s

95th percentile per-packet one-way delay: 109.507 ms

Loss rate: 20.02%

-- Flow 2:

Average throughput: 40.95 Mbit/s

95th percentile per-packet one-way delay: 110.691 ms

Loss rate: 33.60%

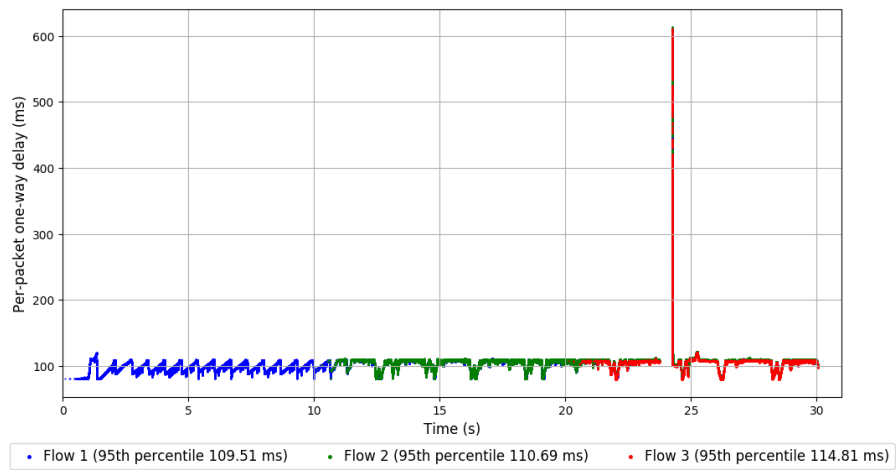
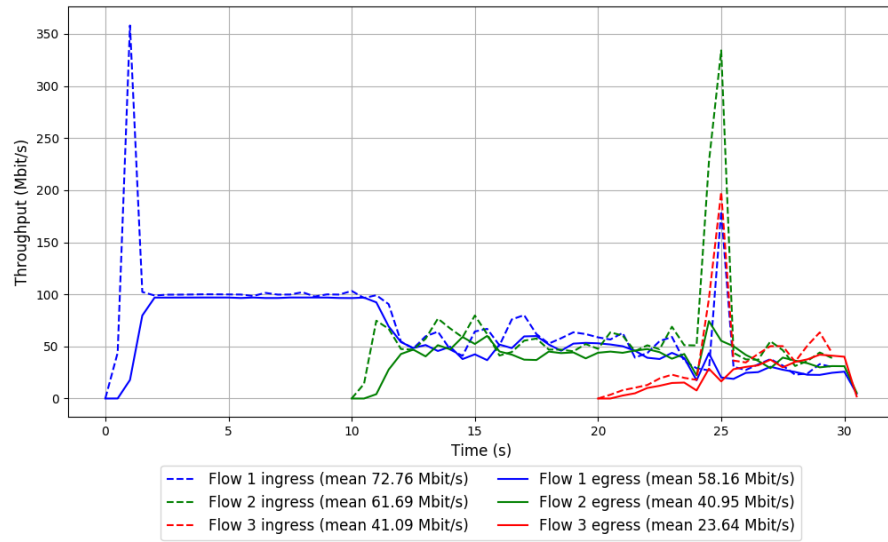
-- Flow 3:

Average throughput: 23.64 Mbit/s

95th percentile per-packet one-way delay: 114.815 ms

Loss rate: 42.54%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-17 18:36:43

End at: 2018-07-17 18:37:13

Local clock offset: 0.687 ms

Remote clock offset: 2.998 ms

Below is generated by plot.py at 2018-07-17 20:18:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.11 Mbit/s

95th percentile per-packet one-way delay: 113.063 ms

Loss rate: 18.96%

-- Flow 1:

Average throughput: 59.33 Mbit/s

95th percentile per-packet one-way delay: 113.167 ms

Loss rate: 17.95%

-- Flow 2:

Average throughput: 33.75 Mbit/s

95th percentile per-packet one-way delay: 109.010 ms

Loss rate: 19.92%

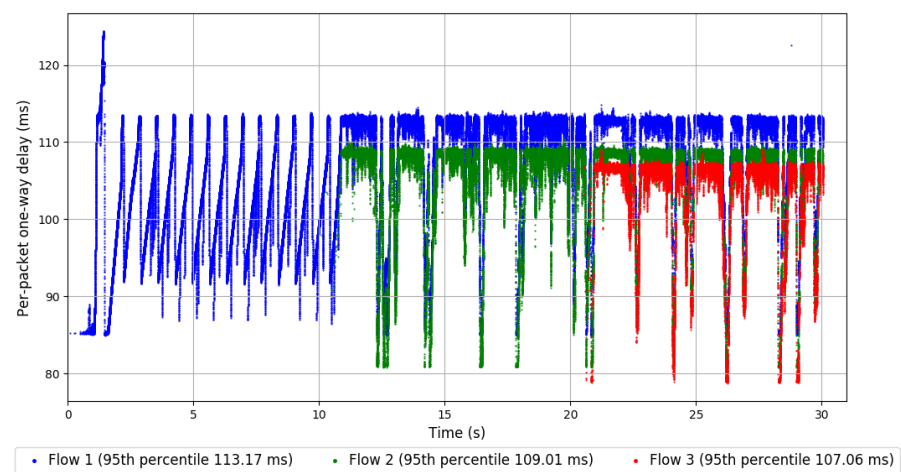
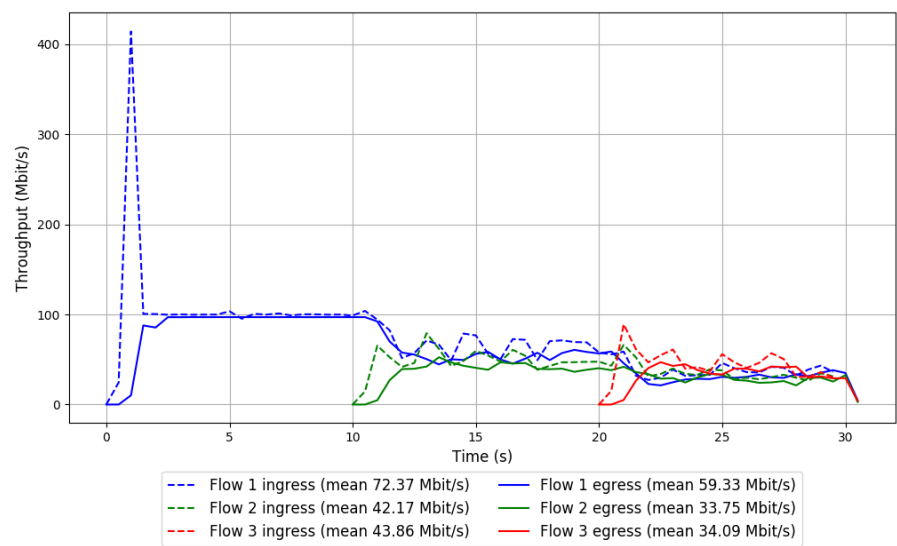
-- Flow 3:

Average throughput: 34.09 Mbit/s

95th percentile per-packet one-way delay: 107.062 ms

Loss rate: 22.13%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-17 18:58:01

End at: 2018-07-17 18:58:31

Local clock offset: 0.946 ms

Remote clock offset: 8.964 ms

Below is generated by plot.py at 2018-07-17 20:18:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.16 Mbit/s

95th percentile per-packet one-way delay: 112.958 ms

Loss rate: 17.71%

-- Flow 1:

Average throughput: 57.73 Mbit/s

95th percentile per-packet one-way delay: 112.474 ms

Loss rate: 17.17%

-- Flow 2:

Average throughput: 42.72 Mbit/s

95th percentile per-packet one-way delay: 112.543 ms

Loss rate: 18.56%

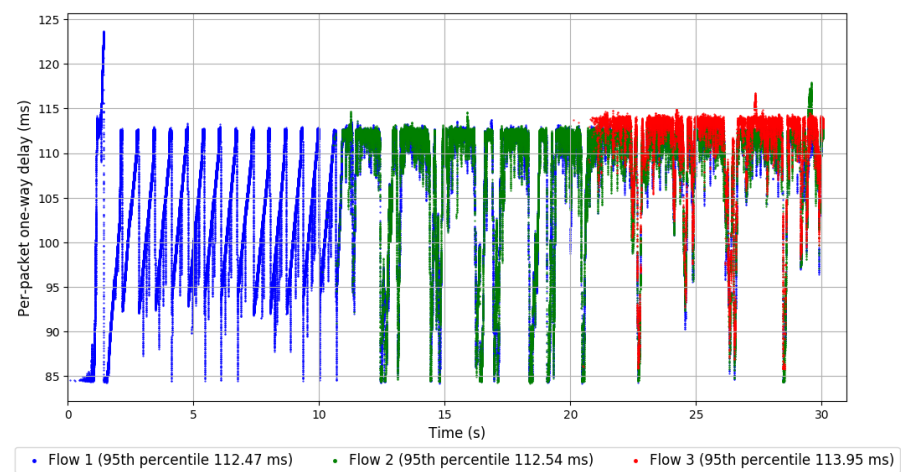
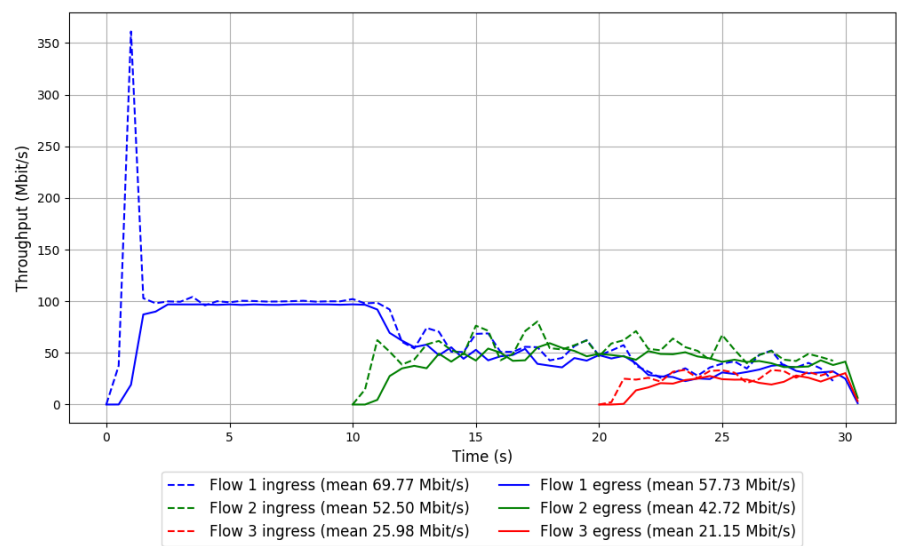
-- Flow 3:

Average throughput: 21.15 Mbit/s

95th percentile per-packet one-way delay: 113.949 ms

Loss rate: 18.58%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

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

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

Local clock offset: 0.154 ms

Remote clock offset: 7.89 ms

Below is generated by plot.py at 2018-07-17 20:18:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.17 Mbit/s

95th percentile per-packet one-way delay: 110.198 ms

Loss rate: 18.24%

-- Flow 1:

Average throughput: 58.93 Mbit/s

95th percentile per-packet one-way delay: 110.261 ms

Loss rate: 17.42%

-- Flow 2:

Average throughput: 36.06 Mbit/s

95th percentile per-packet one-way delay: 108.435 ms

Loss rate: 20.23%

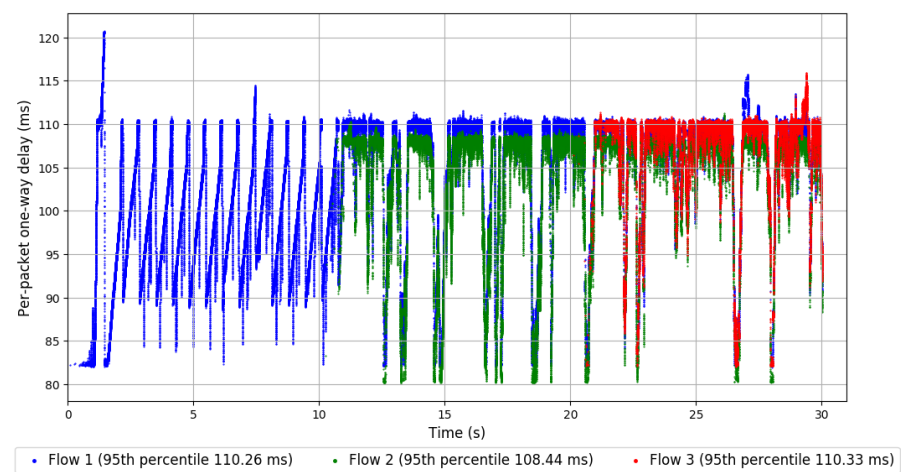
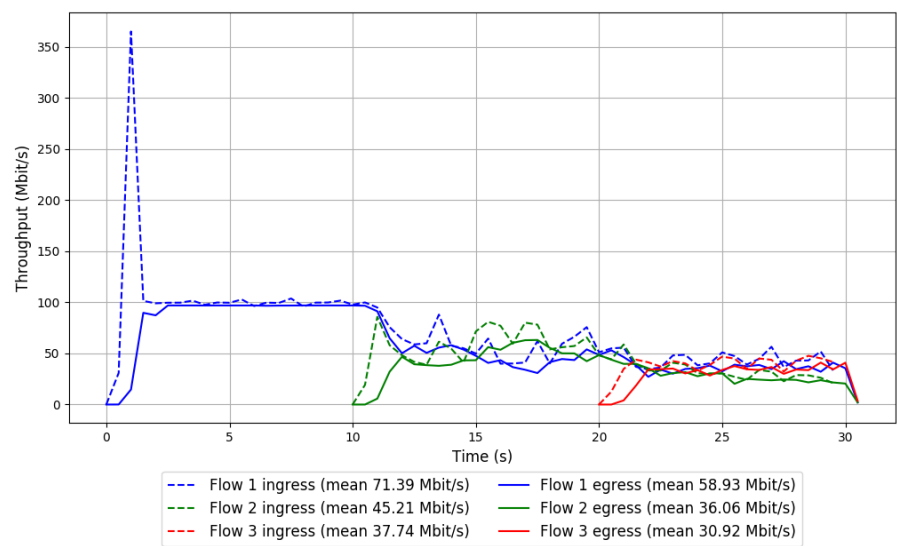
-- Flow 3:

Average throughput: 30.92 Mbit/s

95th percentile per-packet one-way delay: 110.334 ms

Loss rate: 18.17%

Run 8: Report of FillP — Data Link

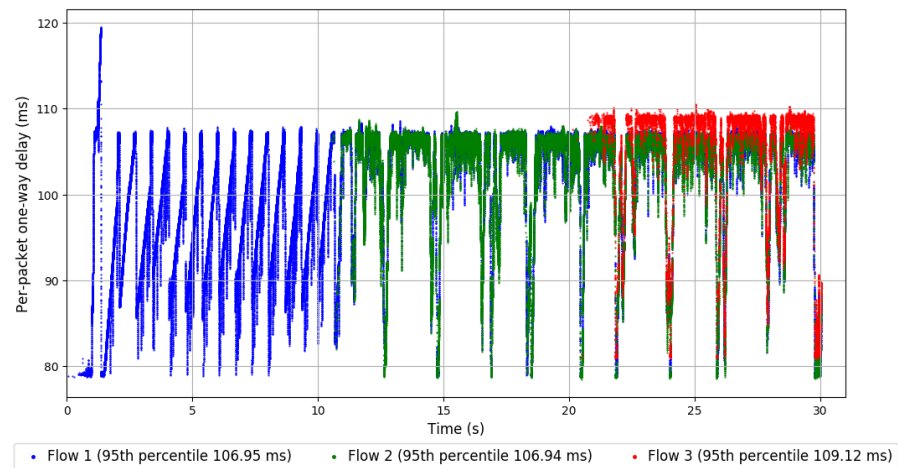
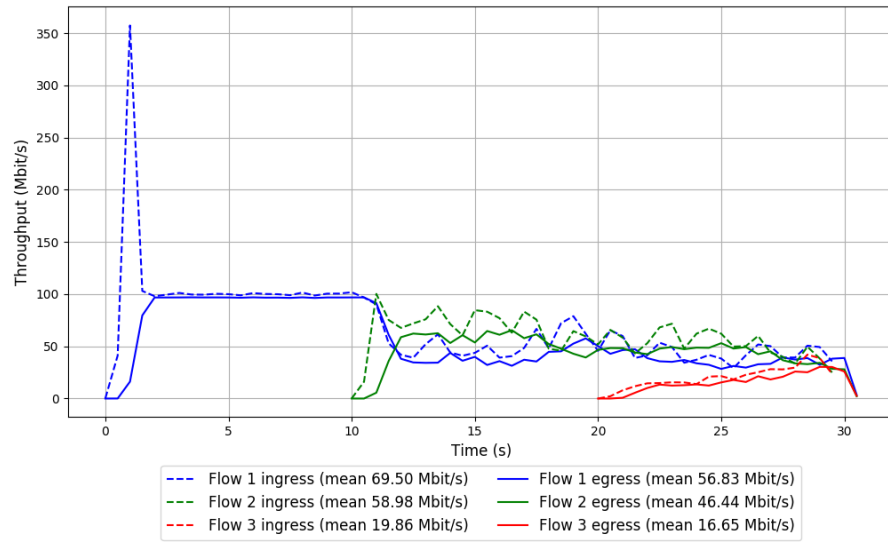


Run 9: Statistics of FillP

Start at: 2018-07-17 19:40:43
End at: 2018-07-17 19:41:13
Local clock offset: -11.906 ms
Remote clock offset: 8.786 ms

Below is generated by plot.py at 2018-07-17 20:19:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.25 Mbit/s
95th percentile per-packet one-way delay: 107.275 ms
Loss rate: 19.15%
-- Flow 1:
Average throughput: 56.83 Mbit/s
95th percentile per-packet one-way delay: 106.950 ms
Loss rate: 18.20%
-- Flow 2:
Average throughput: 46.44 Mbit/s
95th percentile per-packet one-way delay: 106.935 ms
Loss rate: 21.29%
-- Flow 3:
Average throughput: 16.65 Mbit/s
95th percentile per-packet one-way delay: 109.120 ms
Loss rate: 16.33%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-17 20:01:57

End at: 2018-07-17 20:02:27

Local clock offset: -7.768 ms

Remote clock offset: 7.687 ms

Below is generated by plot.py at 2018-07-17 20:19:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.13 Mbit/s

95th percentile per-packet one-way delay: 113.447 ms

Loss rate: 21.93%

-- Flow 1:

Average throughput: 55.82 Mbit/s

95th percentile per-packet one-way delay: 109.625 ms

Loss rate: 20.03%

-- Flow 2:

Average throughput: 36.77 Mbit/s

95th percentile per-packet one-way delay: 108.190 ms

Loss rate: 22.79%

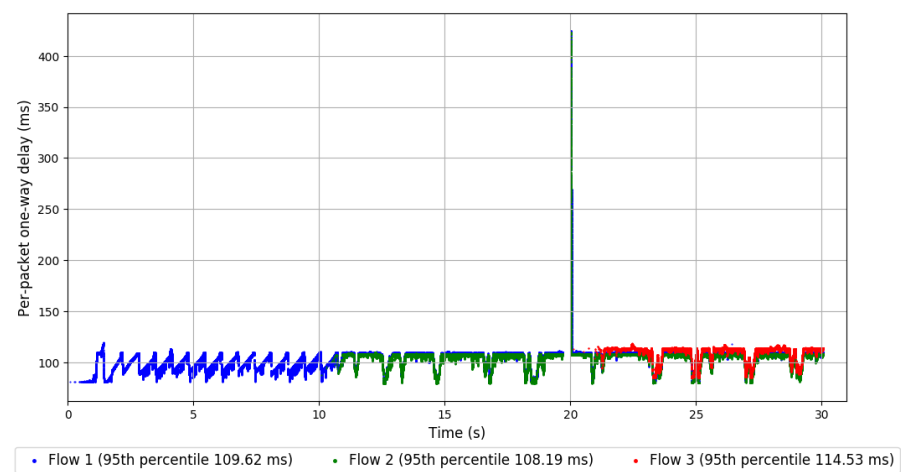
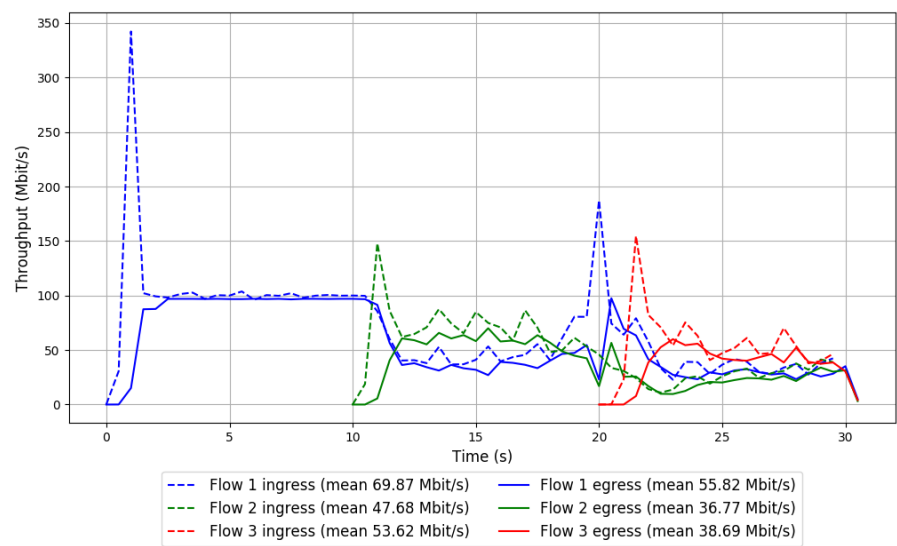
-- Flow 3:

Average throughput: 38.69 Mbit/s

95th percentile per-packet one-way delay: 114.532 ms

Loss rate: 27.85%

Run 10: Report of FillP — Data Link

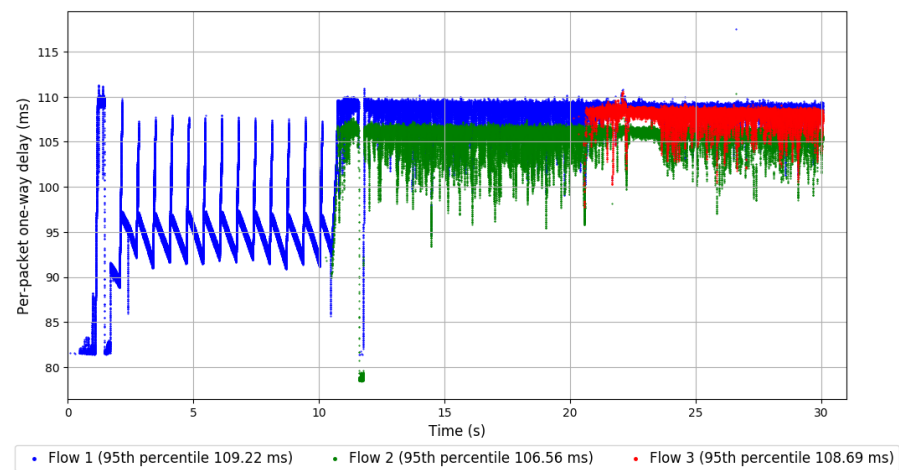
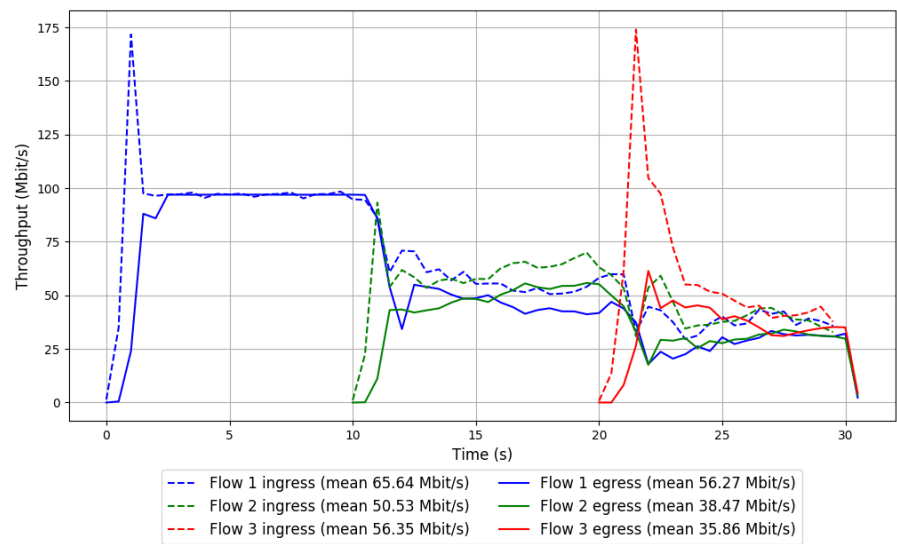


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-17 16:55:22
End at: 2018-07-17 16:55:52
Local clock offset: -8.297 ms
Remote clock offset: -4.265 ms

Below is generated by plot.py at 2018-07-17 20:19:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 109.107 ms
Loss rate: 20.47%
-- Flow 1:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 109.225 ms
Loss rate: 14.21%
-- Flow 2:
Average throughput: 38.47 Mbit/s
95th percentile per-packet one-way delay: 106.559 ms
Loss rate: 23.86%
-- Flow 3:
Average throughput: 35.86 Mbit/s
95th percentile per-packet one-way delay: 108.692 ms
Loss rate: 36.36%

Run 1: Report of FillP-Sheep — Data Link

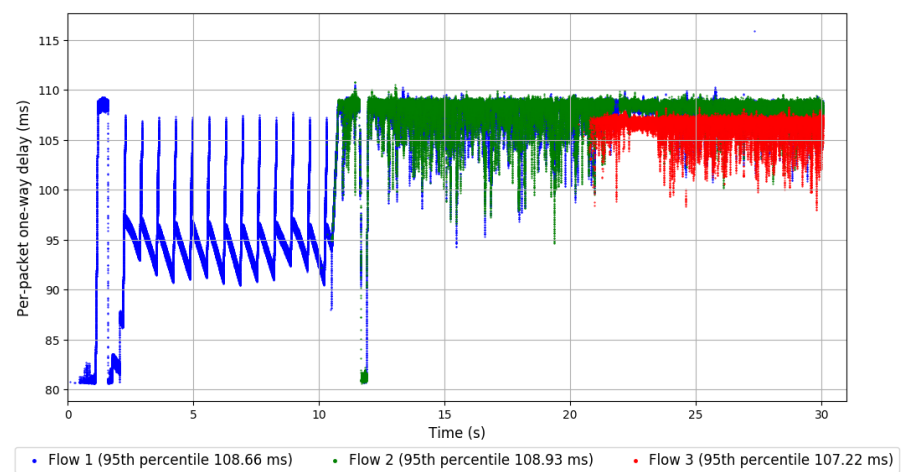
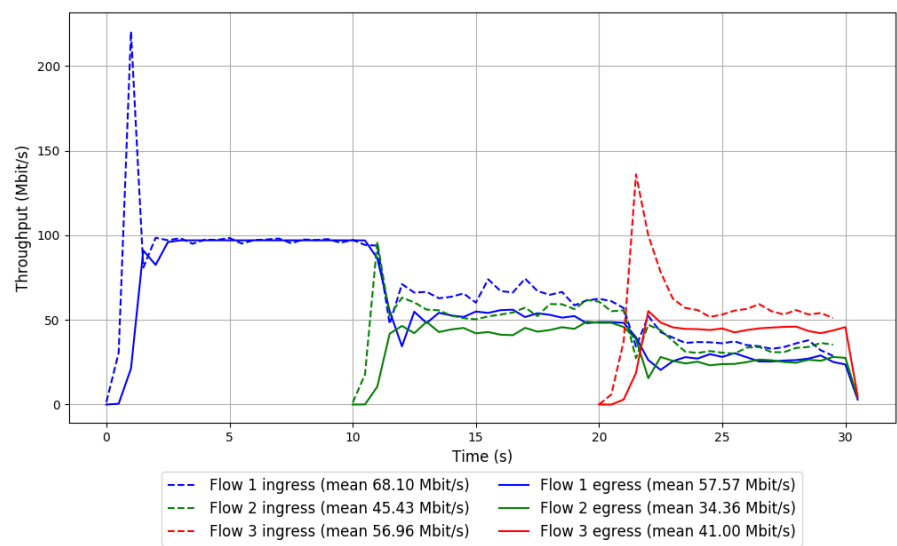


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-17 17:16:35
End at: 2018-07-17 17:17:05
Local clock offset: -13.811 ms
Remote clock offset: 2.102 ms

Below is generated by plot.py at 2018-07-17 20:19:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 108.778 ms
Loss rate: 19.96%
-- Flow 1:
Average throughput: 57.57 Mbit/s
95th percentile per-packet one-way delay: 108.661 ms
Loss rate: 15.39%
-- Flow 2:
Average throughput: 34.36 Mbit/s
95th percentile per-packet one-way delay: 108.931 ms
Loss rate: 24.31%
-- Flow 3:
Average throughput: 41.00 Mbit/s
95th percentile per-packet one-way delay: 107.219 ms
Loss rate: 29.48%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-17 17:37:48

End at: 2018-07-17 17:38:18

Local clock offset: -16.36 ms

Remote clock offset: 16.41 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.14 Mbit/s

95th percentile per-packet one-way delay: 115.359 ms

Loss rate: 21.69%

-- Flow 1:

Average throughput: 51.72 Mbit/s

95th percentile per-packet one-way delay: 114.833 ms

Loss rate: 14.81%

-- Flow 2:

Average throughput: 47.15 Mbit/s

95th percentile per-packet one-way delay: 115.517 ms

Loss rate: 29.01%

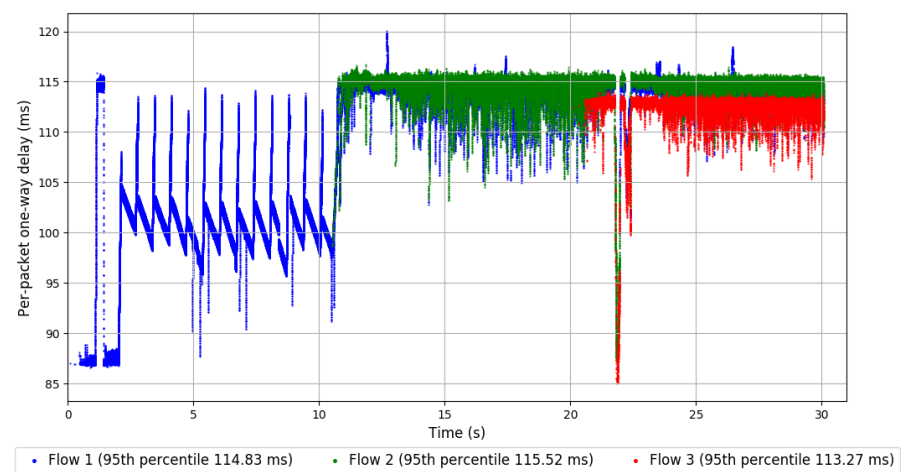
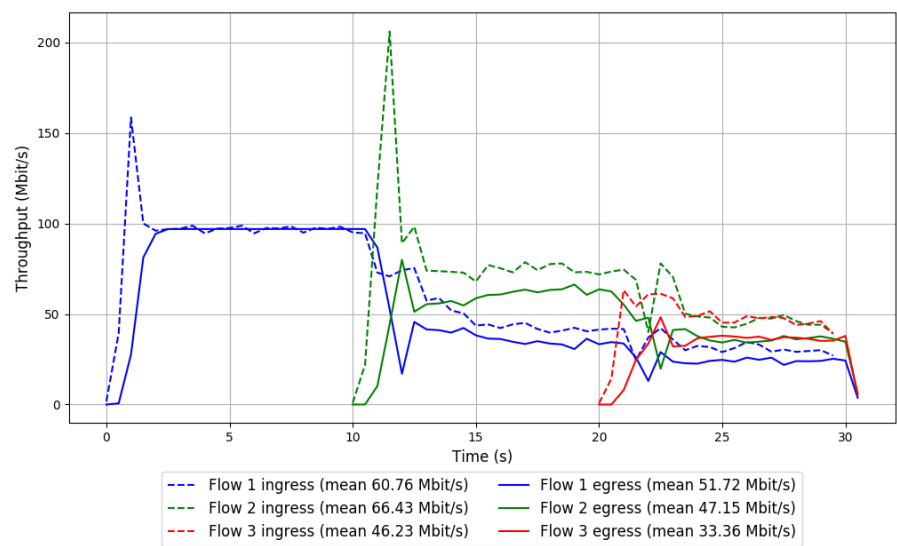
-- Flow 3:

Average throughput: 33.36 Mbit/s

95th percentile per-packet one-way delay: 113.271 ms

Loss rate: 27.83%

Run 3: Report of FillP-Sheep — Data Link

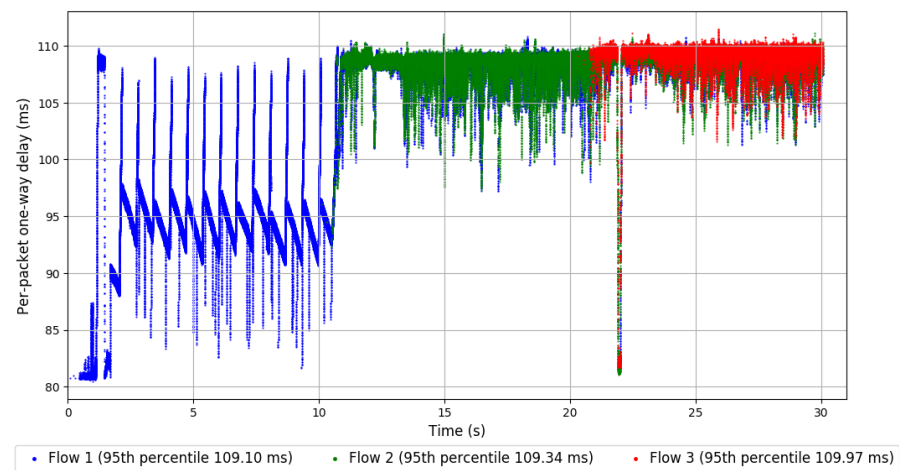
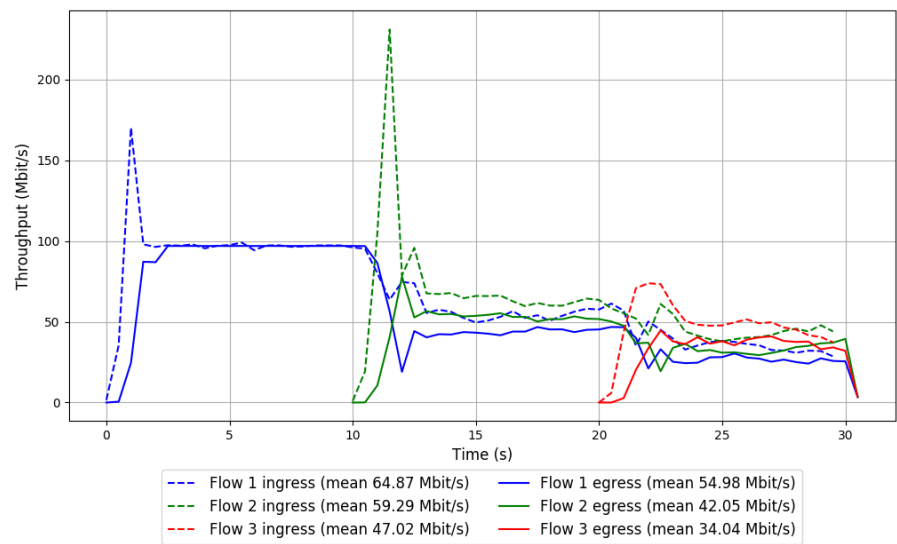


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-17 17:59:07
End at: 2018-07-17 17:59:37
Local clock offset: -11.703 ms
Remote clock offset: 16.72 ms

Below is generated by plot.py at 2018-07-17 20:20:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.00 Mbit/s
95th percentile per-packet one-way delay: 109.568 ms
Loss rate: 21.54%
-- Flow 1:
Average throughput: 54.98 Mbit/s
95th percentile per-packet one-way delay: 109.099 ms
Loss rate: 15.17%
-- Flow 2:
Average throughput: 42.05 Mbit/s
95th percentile per-packet one-way delay: 109.341 ms
Loss rate: 29.04%
-- Flow 3:
Average throughput: 34.04 Mbit/s
95th percentile per-packet one-way delay: 109.974 ms
Loss rate: 29.07%

Run 4: Report of FillP-Sheep — Data Link

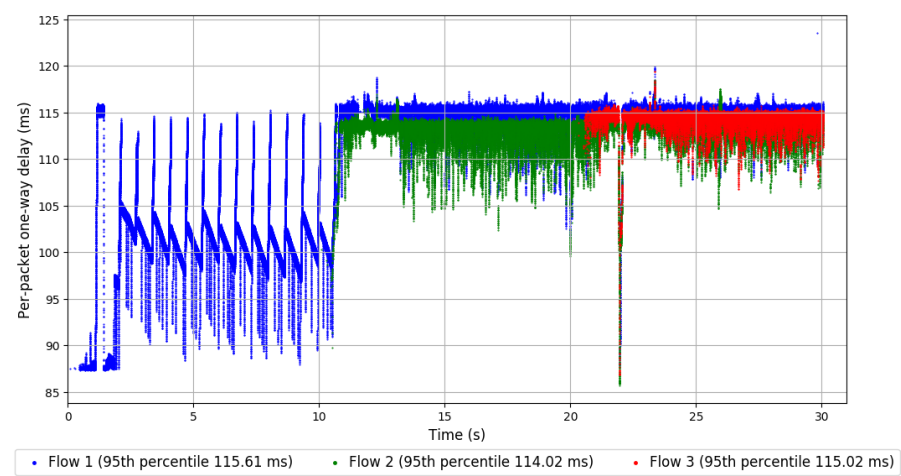
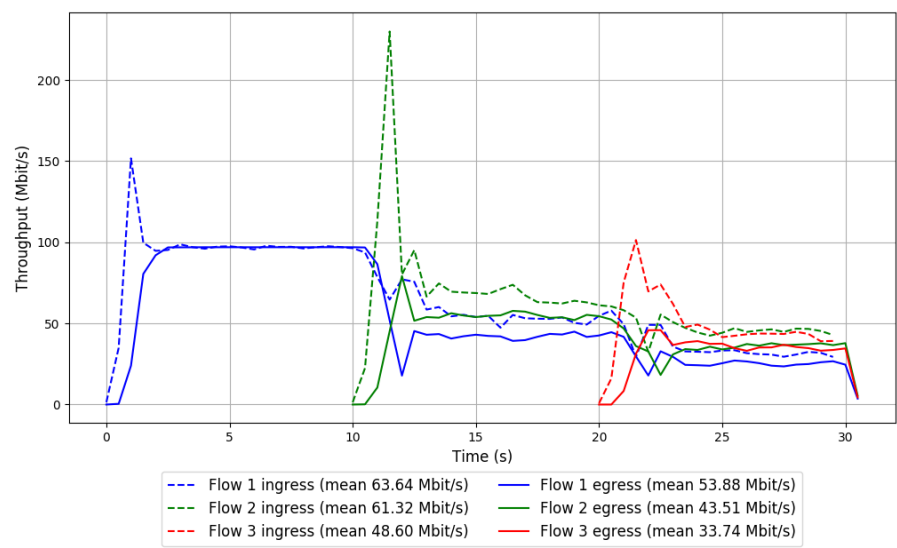


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-17 18:20:28
End at: 2018-07-17 18:20:58
Local clock offset: 1.958 ms
Remote clock offset: 10.036 ms

```
# Below is generated by plot.py at 2018-07-17 20:20:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.06 Mbit/s
95th percentile per-packet one-way delay: 115.498 ms
Loss rate: 21.95%
-- Flow 1:
Average throughput: 53.88 Mbit/s
95th percentile per-packet one-way delay: 115.610 ms
Loss rate: 15.25%
-- Flow 2:
Average throughput: 43.51 Mbit/s
95th percentile per-packet one-way delay: 114.017 ms
Loss rate: 29.00%
-- Flow 3:
Average throughput: 33.74 Mbit/s
95th percentile per-packet one-way delay: 115.023 ms
Loss rate: 30.57%
```


Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-17 18:41:46

End at: 2018-07-17 18:42:16

Local clock offset: 0.641 ms

Remote clock offset: 9.61 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.06 Mbit/s

95th percentile per-packet one-way delay: 119.277 ms

Loss rate: 22.58%

-- Flow 1:

Average throughput: 55.80 Mbit/s

95th percentile per-packet one-way delay: 113.411 ms

Loss rate: 14.75%

-- Flow 2:

Average throughput: 36.93 Mbit/s

95th percentile per-packet one-way delay: 119.520 ms

Loss rate: 30.31%

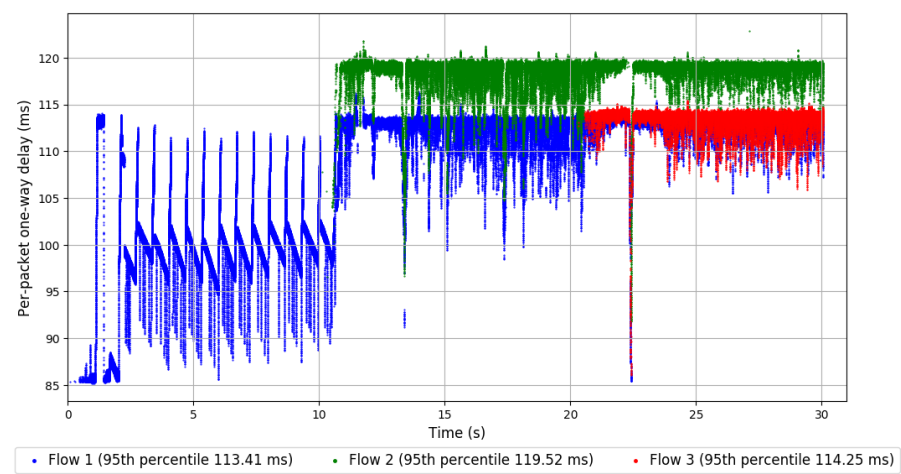
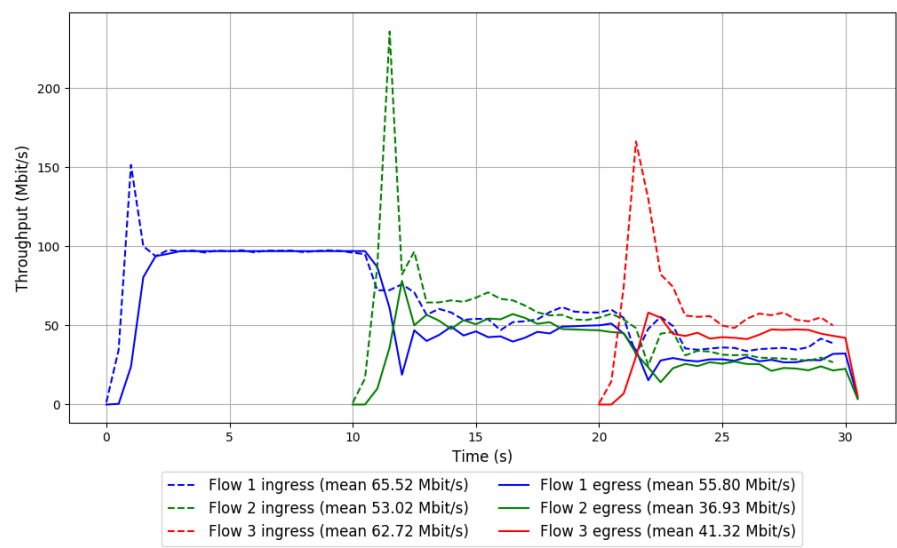
-- Flow 3:

Average throughput: 41.32 Mbit/s

95th percentile per-packet one-way delay: 114.255 ms

Loss rate: 34.12%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-17 19:03:02

End at: 2018-07-17 19:03:32

Local clock offset: 0.149 ms

Remote clock offset: 4.006 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.40 Mbit/s

95th percentile per-packet one-way delay: 109.010 ms

Loss rate: 17.93%

-- Flow 1:

Average throughput: 58.80 Mbit/s

95th percentile per-packet one-way delay: 107.293 ms

Loss rate: 13.56%

-- Flow 2:

Average throughput: 40.06 Mbit/s

95th percentile per-packet one-way delay: 108.385 ms

Loss rate: 23.70%

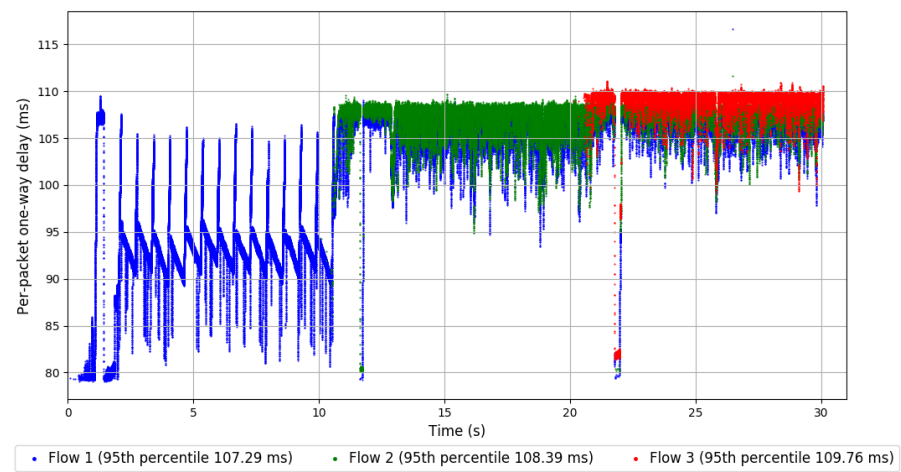
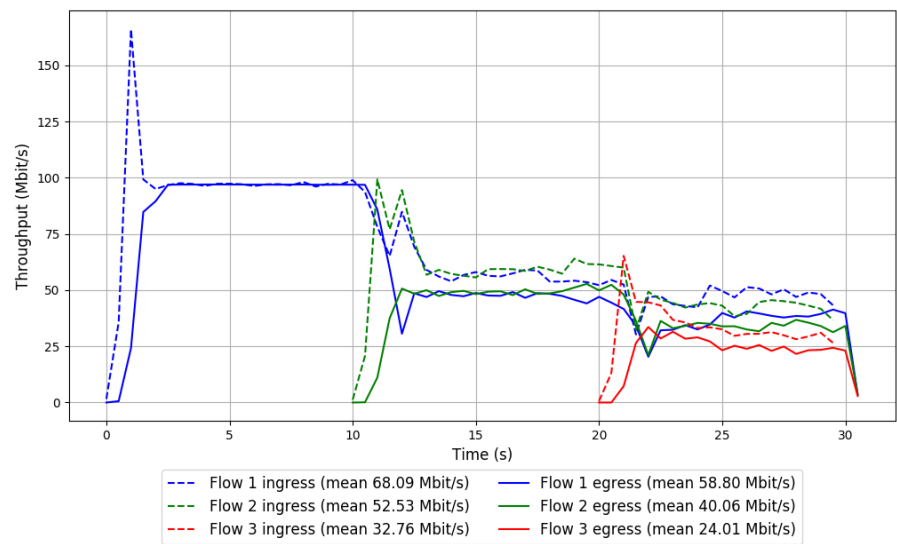
-- Flow 3:

Average throughput: 24.01 Mbit/s

95th percentile per-packet one-way delay: 109.764 ms

Loss rate: 26.72%

Run 7: Report of FillP-Sheep — Data Link

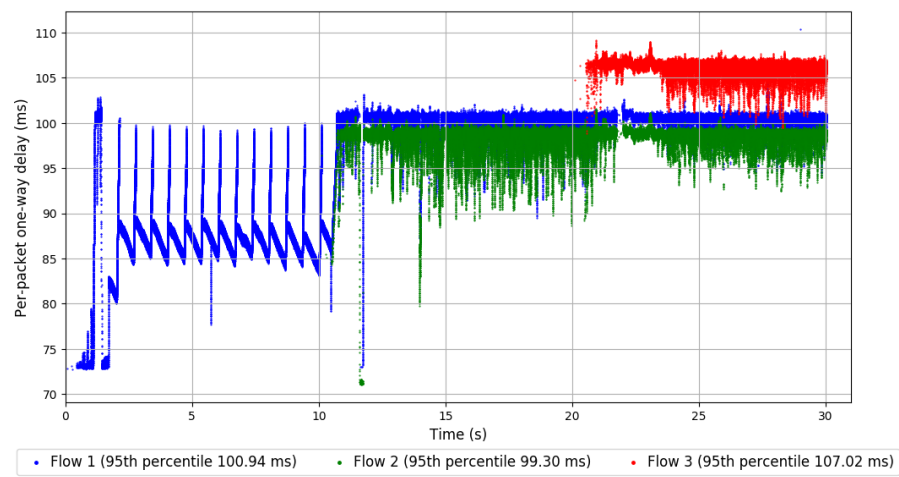
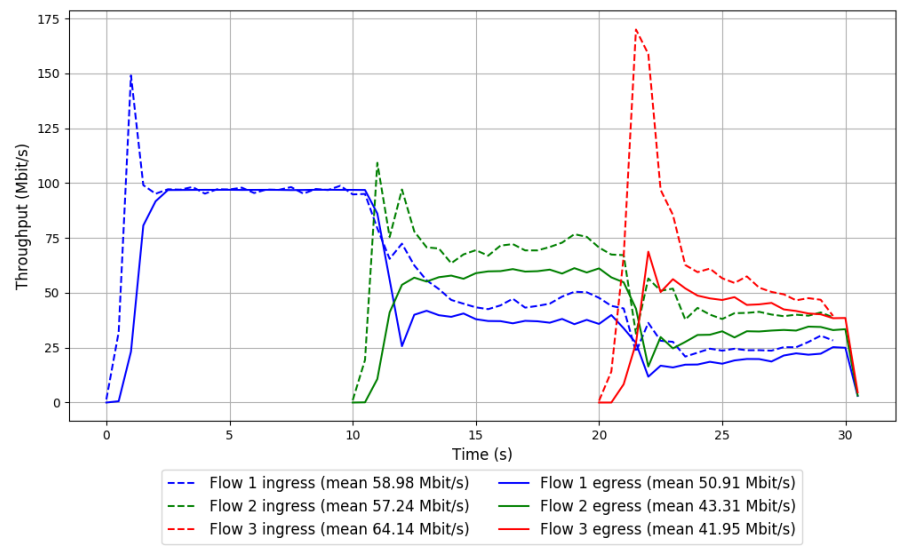


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-17 19:24:21
End at: 2018-07-17 19:24:51
Local clock offset: 12.587 ms
Remote clock offset: 11.498 ms

Below is generated by plot.py at 2018-07-17 20:21:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 106.543 ms
Loss rate: 20.84%
-- Flow 1:
Average throughput: 50.91 Mbit/s
95th percentile per-packet one-way delay: 100.938 ms
Loss rate: 13.60%
-- Flow 2:
Average throughput: 43.31 Mbit/s
95th percentile per-packet one-way delay: 99.304 ms
Loss rate: 24.33%
-- Flow 3:
Average throughput: 41.95 Mbit/s
95th percentile per-packet one-way delay: 107.024 ms
Loss rate: 34.62%

Run 8: Report of FillP-Sheep — Data Link

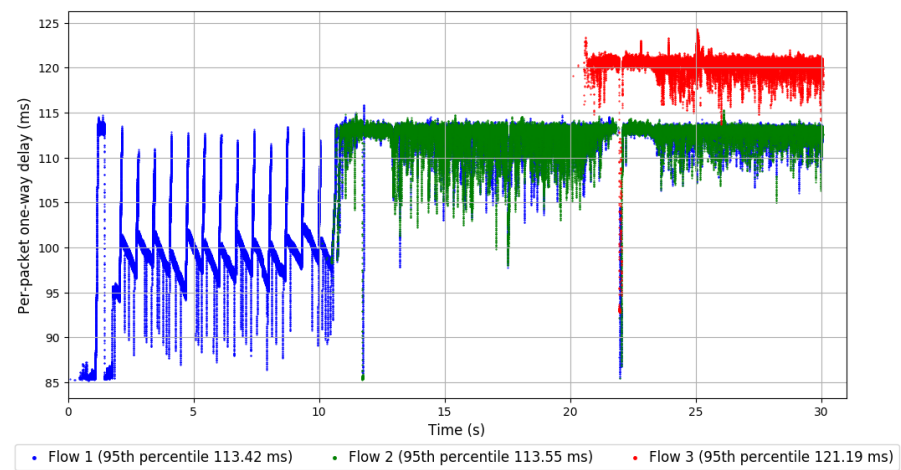
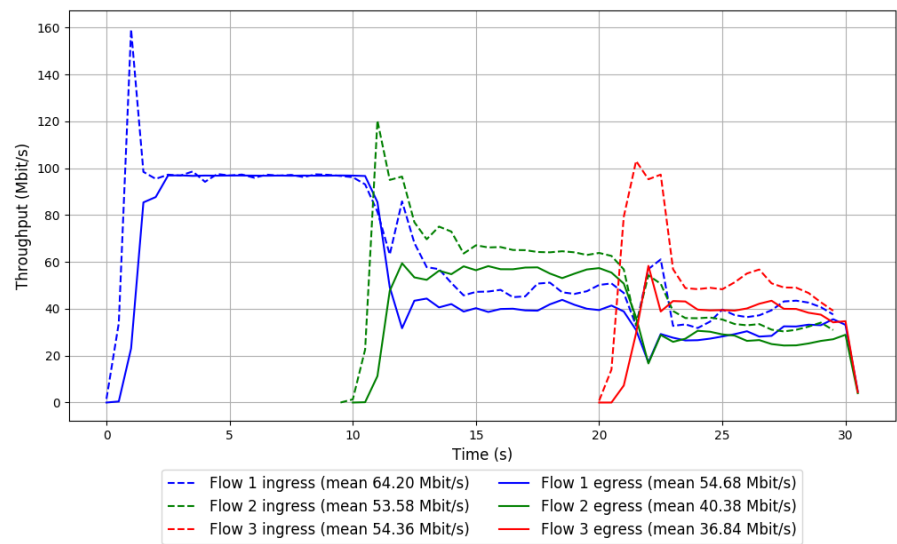


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-17 19:45:45
End at: 2018-07-17 19:46:15
Local clock offset: -13.468 ms
Remote clock offset: 14.635 ms

Below is generated by plot.py at 2018-07-17 20:21:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.79 Mbit/s
95th percentile per-packet one-way delay: 120.713 ms
Loss rate: 20.41%
-- Flow 1:
Average throughput: 54.68 Mbit/s
95th percentile per-packet one-way delay: 113.422 ms
Loss rate: 14.76%
-- Flow 2:
Average throughput: 40.38 Mbit/s
95th percentile per-packet one-way delay: 113.554 ms
Loss rate: 24.58%
-- Flow 3:
Average throughput: 36.84 Mbit/s
95th percentile per-packet one-way delay: 121.188 ms
Loss rate: 32.26%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-17 20:07:00

End at: 2018-07-17 20:07:30

Local clock offset: -4.809 ms

Remote clock offset: 8.687 ms

Below is generated by plot.py at 2018-07-17 20:21:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.31 Mbit/s

95th percentile per-packet one-way delay: 116.117 ms

Loss rate: 20.92%

-- Flow 1:

Average throughput: 53.59 Mbit/s

95th percentile per-packet one-way delay: 116.240 ms

Loss rate: 15.38%

-- Flow 2:

Average throughput: 40.63 Mbit/s

95th percentile per-packet one-way delay: 108.804 ms

Loss rate: 26.72%

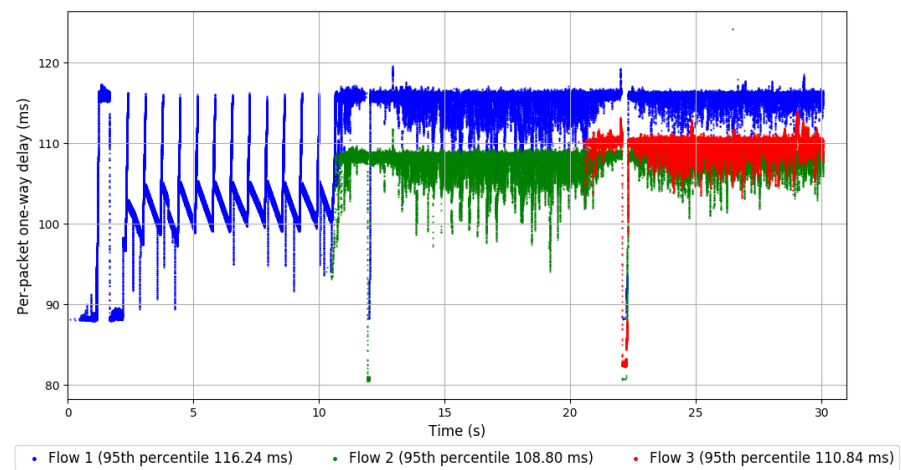
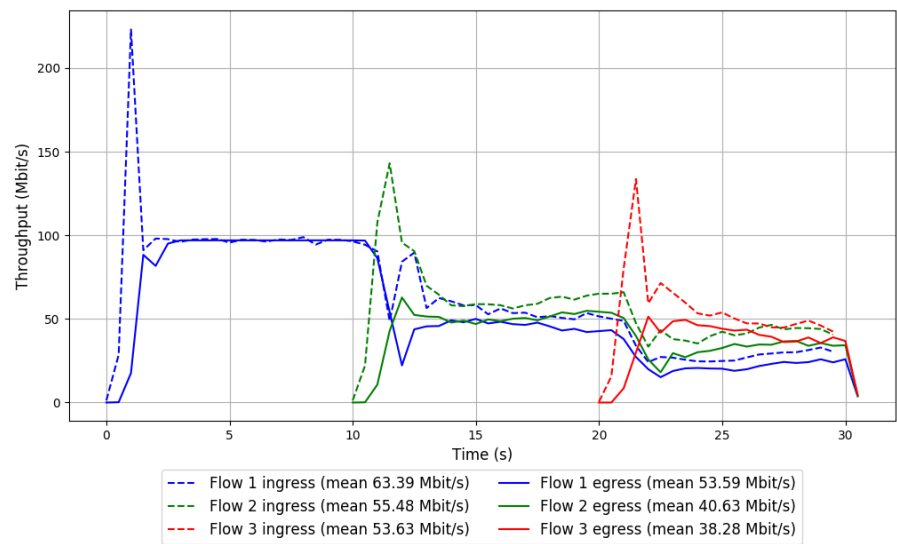
-- Flow 3:

Average throughput: 38.28 Mbit/s

95th percentile per-packet one-way delay: 110.838 ms

Loss rate: 28.62%

Run 10: Report of FillP-Sheep — Data Link

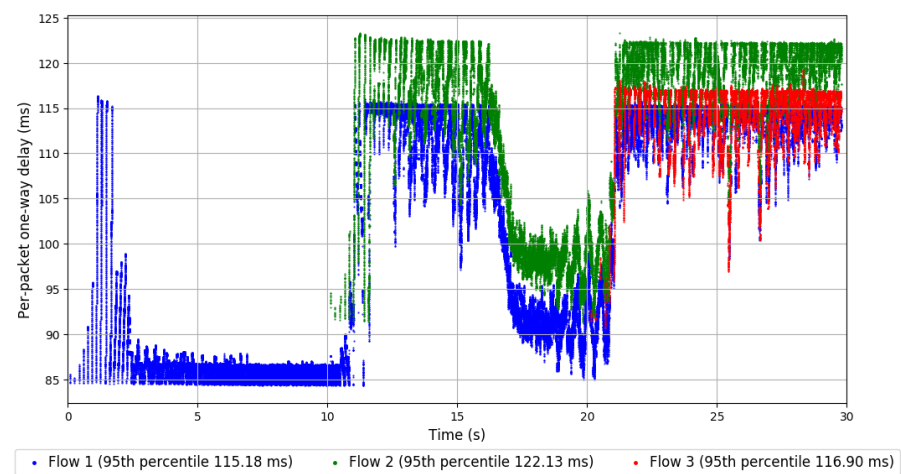
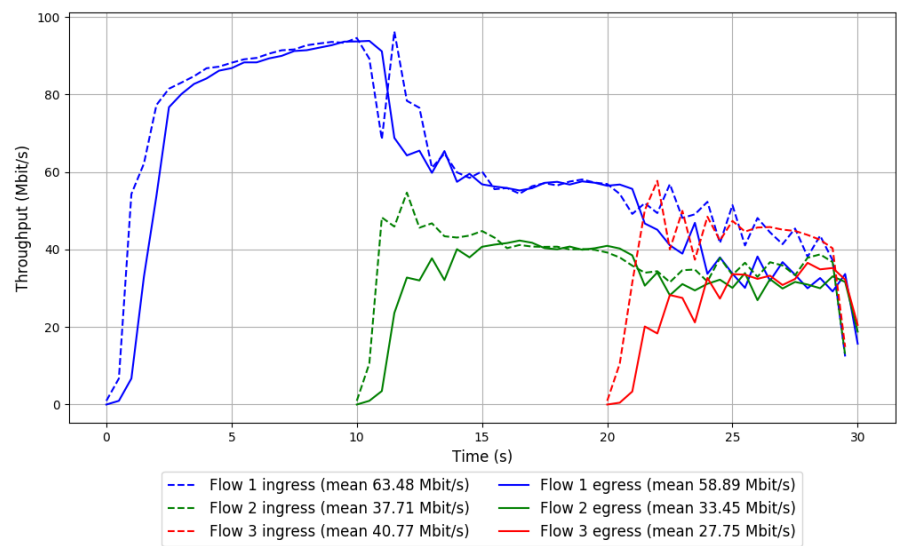


Run 1: Statistics of Indigo

Start at: 2018-07-17 16:52:52
End at: 2018-07-17 16:53:22
Local clock offset: -8.052 ms
Remote clock offset: -1.421 ms

Below is generated by plot.py at 2018-07-17 20:21:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.05 Mbit/s
95th percentile per-packet one-way delay: 120.952 ms
Loss rate: 11.33%
-- Flow 1:
Average throughput: 58.89 Mbit/s
95th percentile per-packet one-way delay: 115.180 ms
Loss rate: 7.13%
-- Flow 2:
Average throughput: 33.45 Mbit/s
95th percentile per-packet one-way delay: 122.133 ms
Loss rate: 11.18%
-- Flow 3:
Average throughput: 27.75 Mbit/s
95th percentile per-packet one-way delay: 116.902 ms
Loss rate: 31.77%

Run 1: Report of Indigo — Data Link

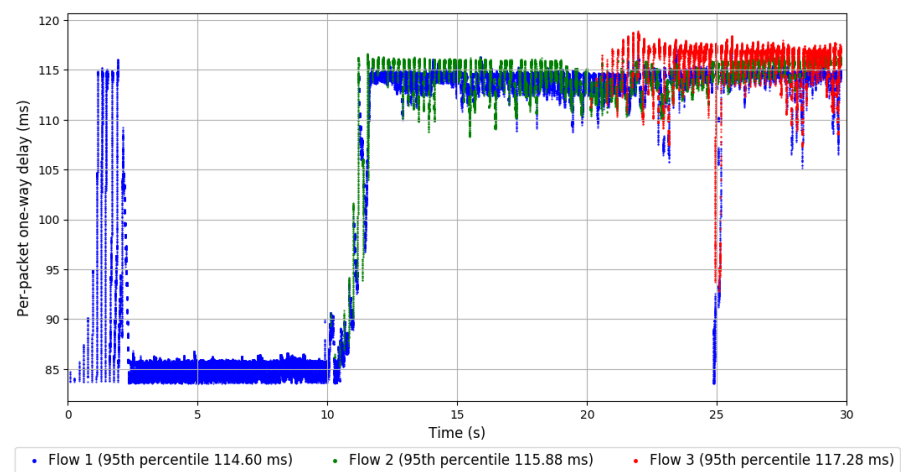
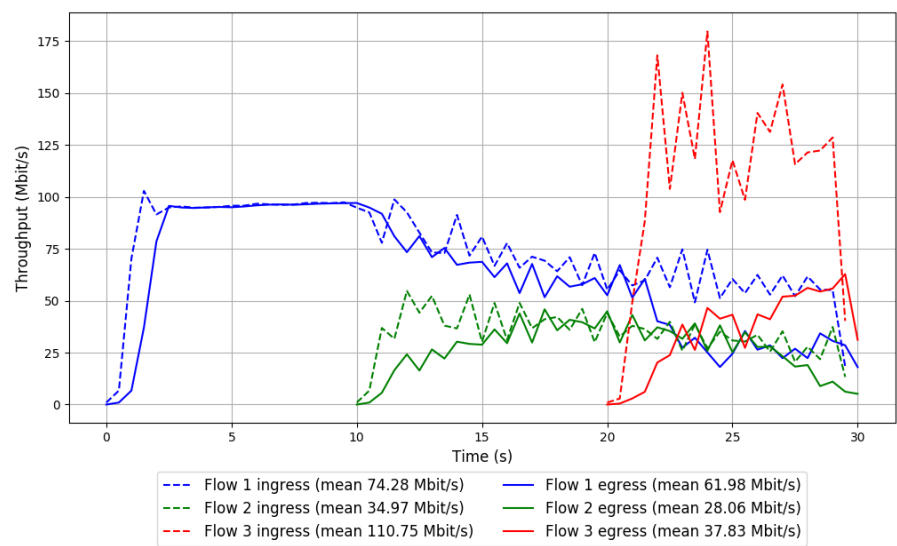


Run 2: Statistics of Indigo

Start at: 2018-07-17 17:14:06
End at: 2018-07-17 17:14:36
Local clock offset: -13.505 ms
Remote clock offset: 5.948 ms

Below is generated by plot.py at 2018-07-17 20:21:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: 116.820 ms
Loss rate: 30.29%
-- Flow 1:
Average throughput: 61.98 Mbit/s
95th percentile per-packet one-way delay: 114.603 ms
Loss rate: 16.47%
-- Flow 2:
Average throughput: 28.06 Mbit/s
95th percentile per-packet one-way delay: 115.875 ms
Loss rate: 19.65%
-- Flow 3:
Average throughput: 37.83 Mbit/s
95th percentile per-packet one-way delay: 117.282 ms
Loss rate: 65.82%

Run 2: Report of Indigo — Data Link

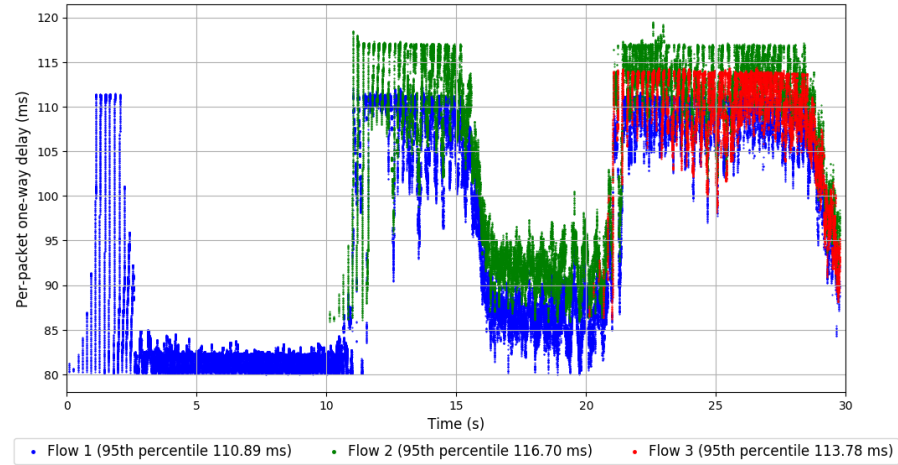
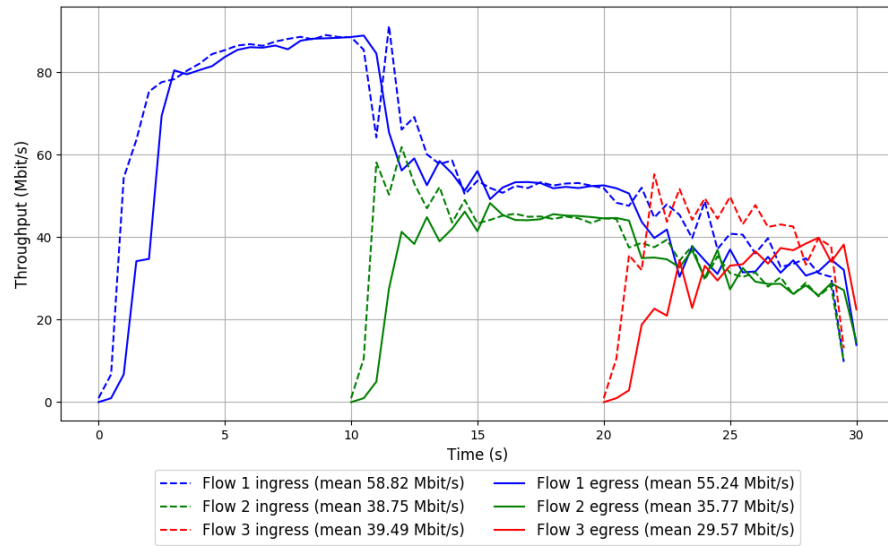


Run 3: Statistics of Indigo

Start at: 2018-07-17 17:35:19
End at: 2018-07-17 17:35:49
Local clock offset: -16.081 ms
Remote clock offset: 10.292 ms

Below is generated by plot.py at 2018-07-17 20:21:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.54 Mbit/s
95th percentile per-packet one-way delay: 114.383 ms
Loss rate: 8.97%
-- Flow 1:
Average throughput: 55.24 Mbit/s
95th percentile per-packet one-way delay: 110.891 ms
Loss rate: 6.05%
-- Flow 2:
Average throughput: 35.77 Mbit/s
95th percentile per-packet one-way delay: 116.698 ms
Loss rate: 7.63%
-- Flow 3:
Average throughput: 29.57 Mbit/s
95th percentile per-packet one-way delay: 113.775 ms
Loss rate: 25.06%

Run 3: Report of Indigo — Data Link

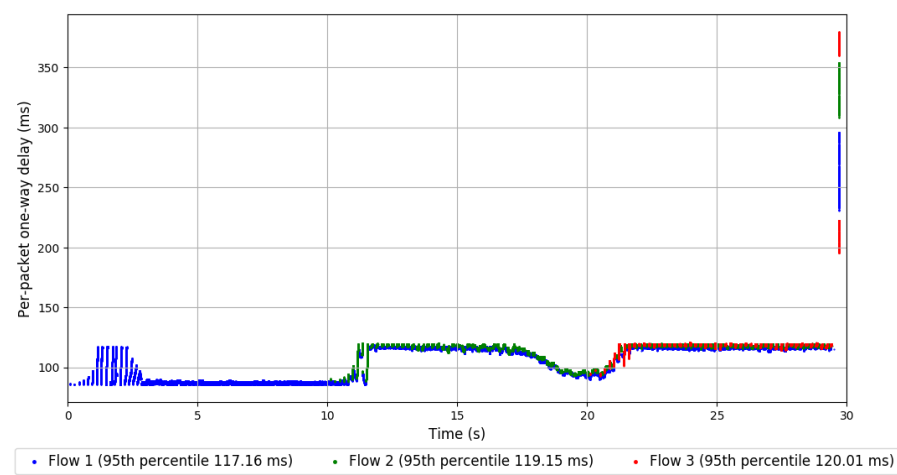
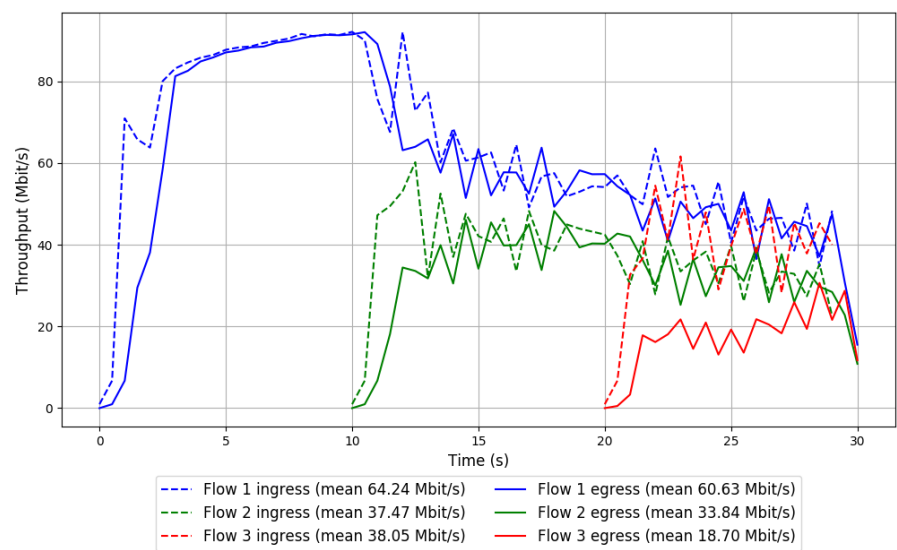


Run 4: Statistics of Indigo

Start at: 2018-07-17 17:56:38
End at: 2018-07-17 17:57:08
Local clock offset: -15.922 ms
Remote clock offset: 20.211 ms

Below is generated by plot.py at 2018-07-17 20:21:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.06 Mbit/s
95th percentile per-packet one-way delay: 119.129 ms
Loss rate: 11.47%
-- Flow 1:
Average throughput: 60.63 Mbit/s
95th percentile per-packet one-way delay: 117.156 ms
Loss rate: 5.16%
-- Flow 2:
Average throughput: 33.84 Mbit/s
95th percentile per-packet one-way delay: 119.148 ms
Loss rate: 8.67%
-- Flow 3:
Average throughput: 18.70 Mbit/s
95th percentile per-packet one-way delay: 120.013 ms
Loss rate: 50.35%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

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

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

Local clock offset: 1.236 ms

Remote clock offset: 8.263 ms

Below is generated by plot.py at 2018-07-17 20:22:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.26 Mbit/s

95th percentile per-packet one-way delay: 117.362 ms

Loss rate: 30.82%

-- Flow 1:

Average throughput: 60.96 Mbit/s

95th percentile per-packet one-way delay: 117.397 ms

Loss rate: 18.01%

-- Flow 2:

Average throughput: 29.77 Mbit/s

95th percentile per-packet one-way delay: 116.390 ms

Loss rate: 16.12%

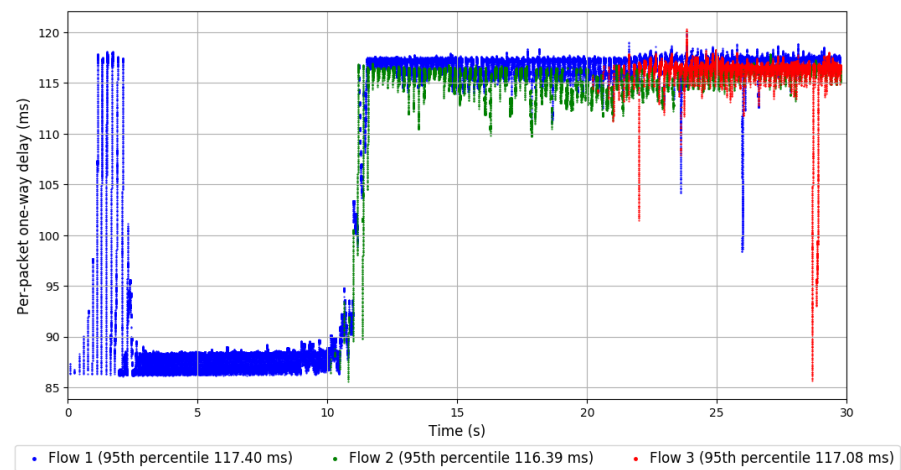
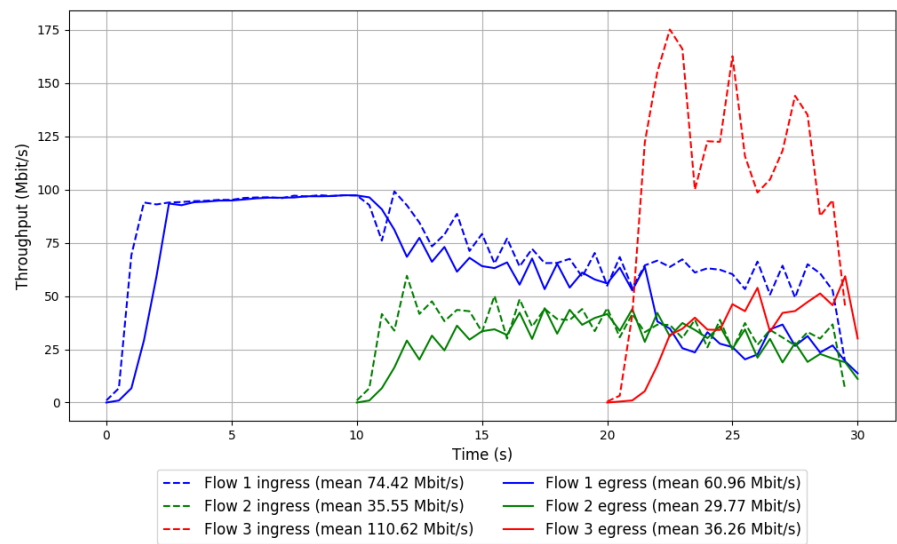
-- Flow 3:

Average throughput: 36.26 Mbit/s

95th percentile per-packet one-way delay: 117.083 ms

Loss rate: 67.21%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-17 18:39:16

End at: 2018-07-17 18:39:46

Local clock offset: 0.629 ms

Remote clock offset: 3.284 ms

Below is generated by plot.py at 2018-07-17 20:22:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.37 Mbit/s

95th percentile per-packet one-way delay: 111.808 ms

Loss rate: 31.76%

-- Flow 1:

Average throughput: 65.88 Mbit/s

95th percentile per-packet one-way delay: 110.202 ms

Loss rate: 8.43%

-- Flow 2:

Average throughput: 26.97 Mbit/s

95th percentile per-packet one-way delay: 112.129 ms

Loss rate: 26.72%

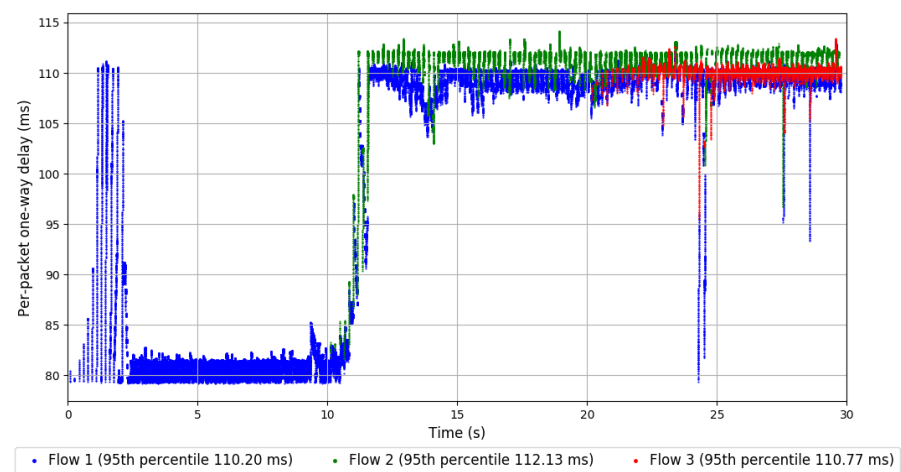
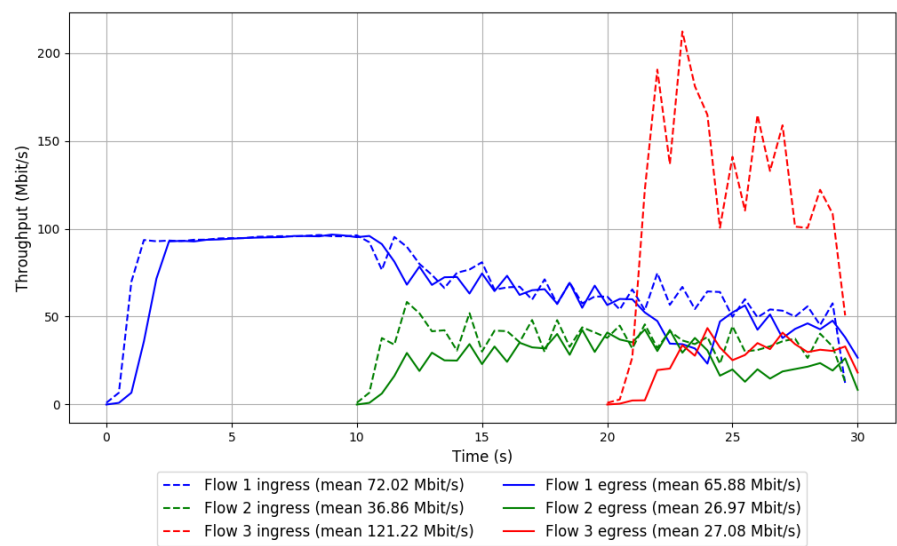
-- Flow 3:

Average throughput: 27.08 Mbit/s

95th percentile per-packet one-way delay: 110.770 ms

Loss rate: 77.65%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-17 19:00:33

End at: 2018-07-17 19:01:03

Local clock offset: 0.504 ms

Remote clock offset: 8.912 ms

Below is generated by plot.py at 2018-07-17 20:22:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.31 Mbit/s

95th percentile per-packet one-way delay: 117.491 ms

Loss rate: 10.45%

-- Flow 1:

Average throughput: 59.51 Mbit/s

95th percentile per-packet one-way delay: 117.413 ms

Loss rate: 5.70%

-- Flow 2:

Average throughput: 34.04 Mbit/s

95th percentile per-packet one-way delay: 117.834 ms

Loss rate: 10.54%

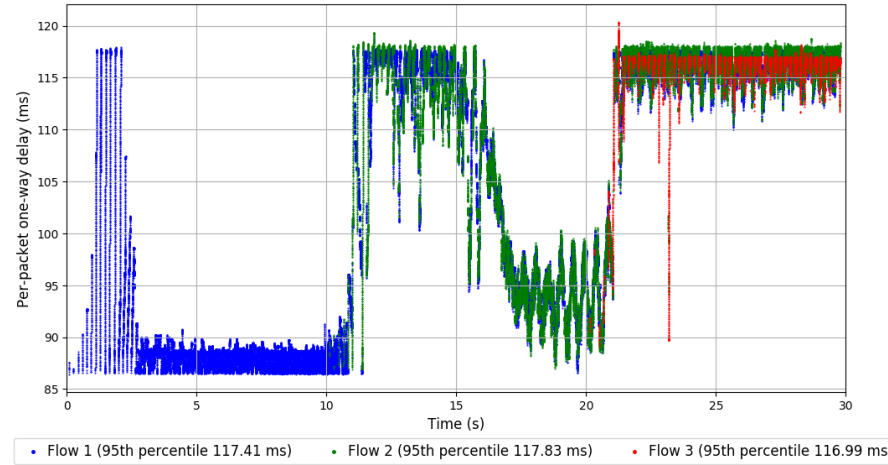
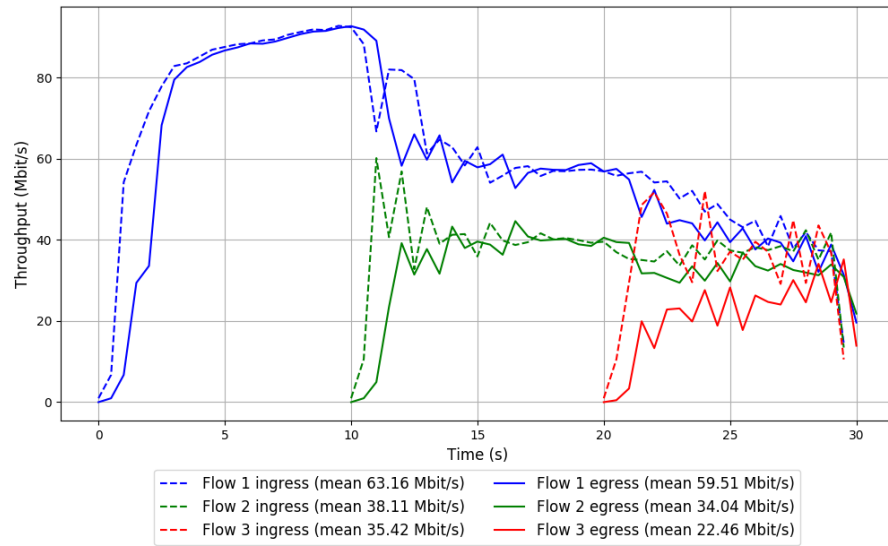
-- Flow 3:

Average throughput: 22.46 Mbit/s

95th percentile per-packet one-way delay: 116.987 ms

Loss rate: 36.43%

Run 7: Report of Indigo — Data Link

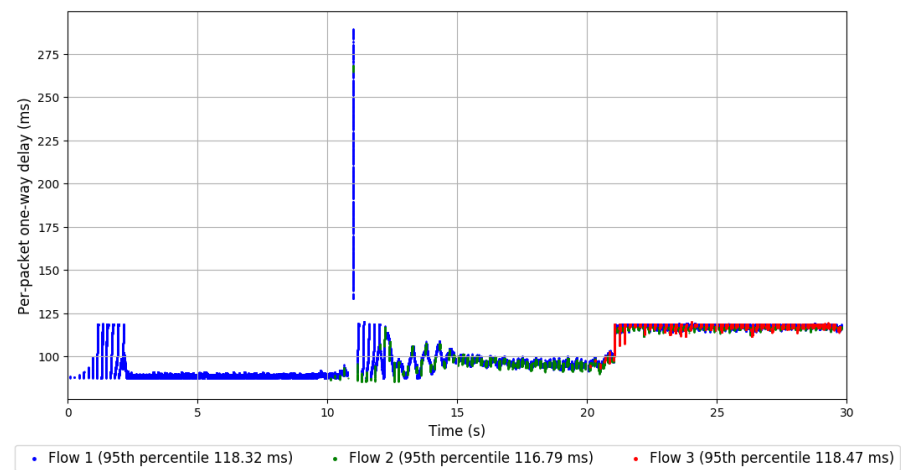
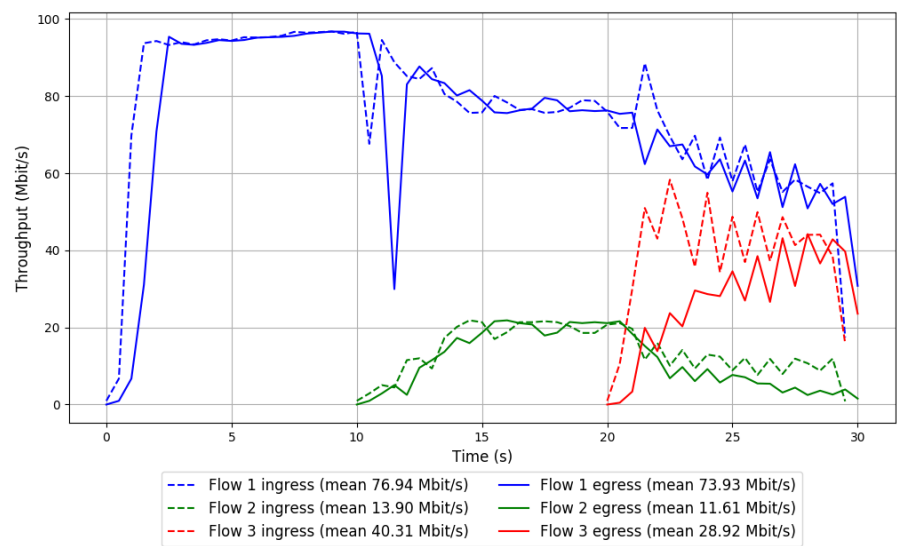


Run 8: Statistics of Indigo

Start at: 2018-07-17 19:21:51
End at: 2018-07-17 19:22:21
Local clock offset: 0.273 ms
Remote clock offset: 13.457 ms

Below is generated by plot.py at 2018-07-17 20:22:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.98 Mbit/s
95th percentile per-packet one-way delay: 118.358 ms
Loss rate: 8.16%
-- Flow 1:
Average throughput: 73.93 Mbit/s
95th percentile per-packet one-way delay: 118.323 ms
Loss rate: 3.81%
-- Flow 2:
Average throughput: 11.61 Mbit/s
95th percentile per-packet one-way delay: 116.792 ms
Loss rate: 16.35%
-- Flow 3:
Average throughput: 28.92 Mbit/s
95th percentile per-packet one-way delay: 118.473 ms
Loss rate: 28.08%

Run 8: Report of Indigo — Data Link

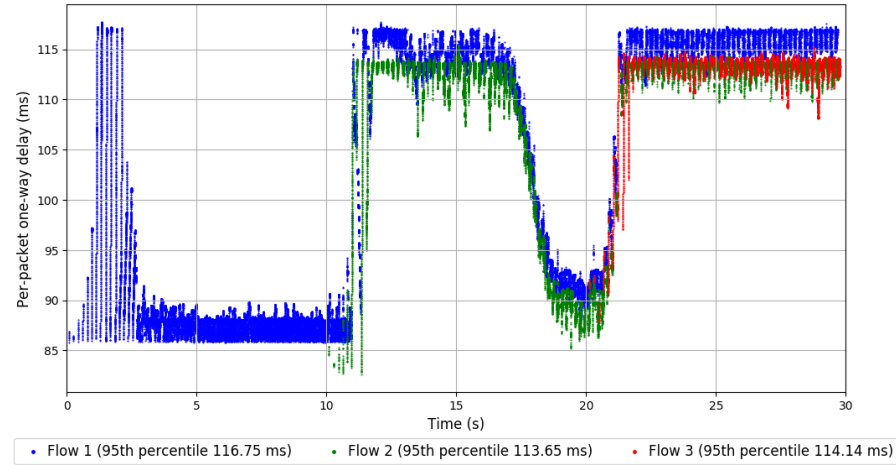
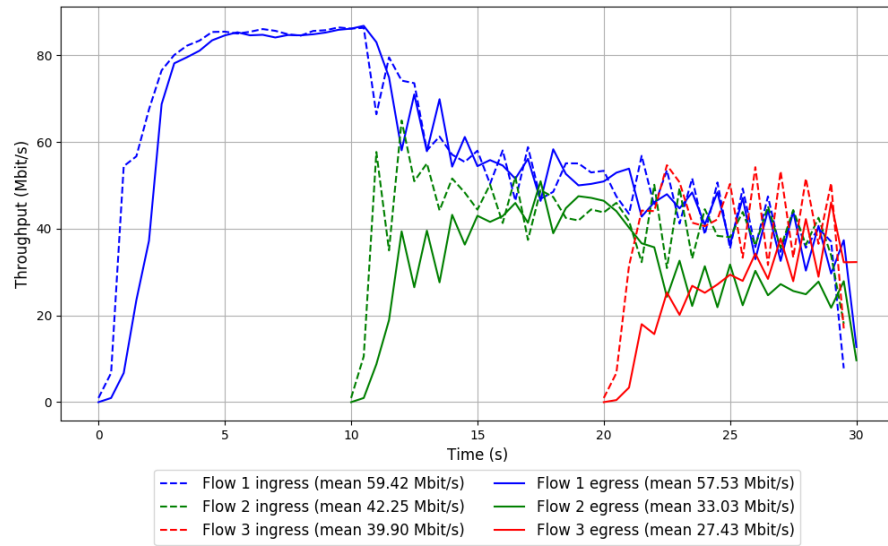


Run 9: Statistics of Indigo

Start at: 2018-07-17 19:43:16
End at: 2018-07-17 19:43:46
Local clock offset: -12.699 ms
Remote clock offset: 9.894 ms

Below is generated by plot.py at 2018-07-17 20:22:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.06 Mbit/s
95th percentile per-packet one-way delay: 116.695 ms
Loss rate: 12.06%
-- Flow 1:
Average throughput: 57.53 Mbit/s
95th percentile per-packet one-way delay: 116.746 ms
Loss rate: 3.39%
-- Flow 2:
Average throughput: 33.03 Mbit/s
95th percentile per-packet one-way delay: 113.648 ms
Loss rate: 21.71%
-- Flow 3:
Average throughput: 27.43 Mbit/s
95th percentile per-packet one-way delay: 114.143 ms
Loss rate: 31.09%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-17 20:04:30

End at: 2018-07-17 20:05:00

Local clock offset: -6.161 ms

Remote clock offset: 7.73 ms

Below is generated by plot.py at 2018-07-17 20:22:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.80 Mbit/s

95th percentile per-packet one-way delay: 118.137 ms

Loss rate: 24.99%

-- Flow 1:

Average throughput: 66.15 Mbit/s

95th percentile per-packet one-way delay: 113.181 ms

Loss rate: 10.18%

-- Flow 2:

Average throughput: 25.54 Mbit/s

95th percentile per-packet one-way delay: 110.869 ms

Loss rate: 30.59%

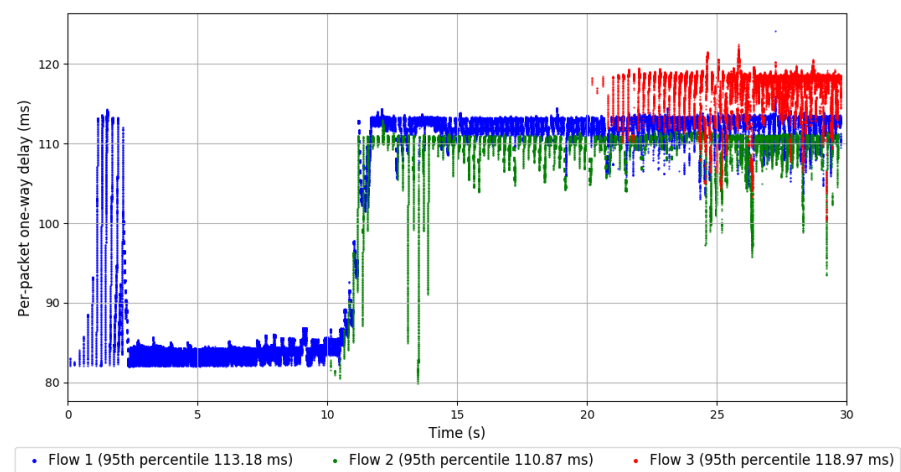
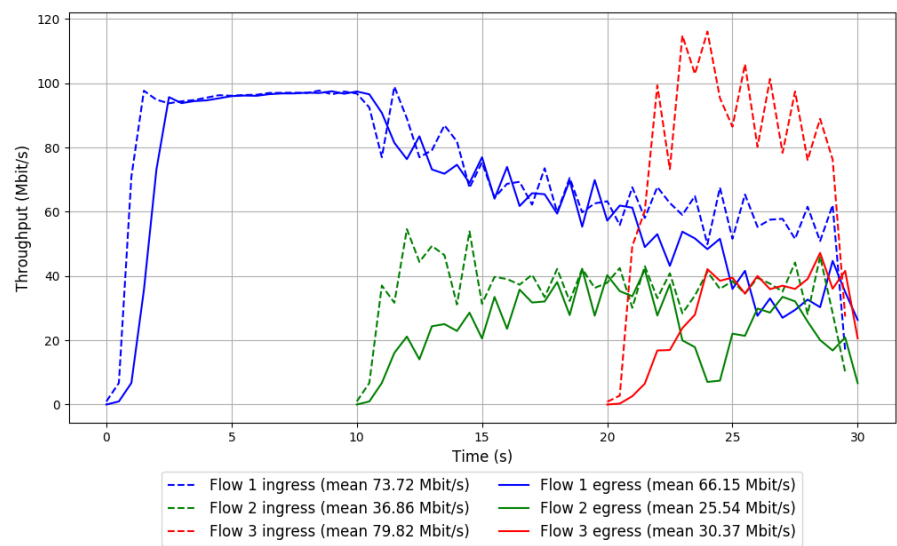
-- Flow 3:

Average throughput: 30.37 Mbit/s

95th percentile per-packet one-way delay: 118.971 ms

Loss rate: 61.98%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of LEDBAT

Start at: 2018-07-17 16:54:10

End at: 2018-07-17 16:54:40

Local clock offset: -8.222 ms

Remote clock offset: -4.14 ms

Below is generated by plot.py at 2018-07-17 20:22:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.32 Mbit/s

95th percentile per-packet one-way delay: 84.580 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 12.17 Mbit/s

95th percentile per-packet one-way delay: 84.675 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 8.93 Mbit/s

95th percentile per-packet one-way delay: 82.442 ms

Loss rate: 0.00%

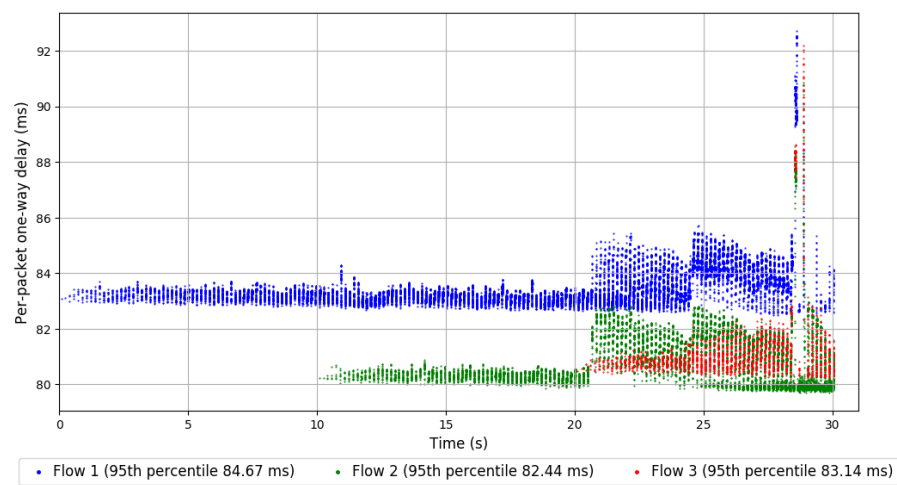
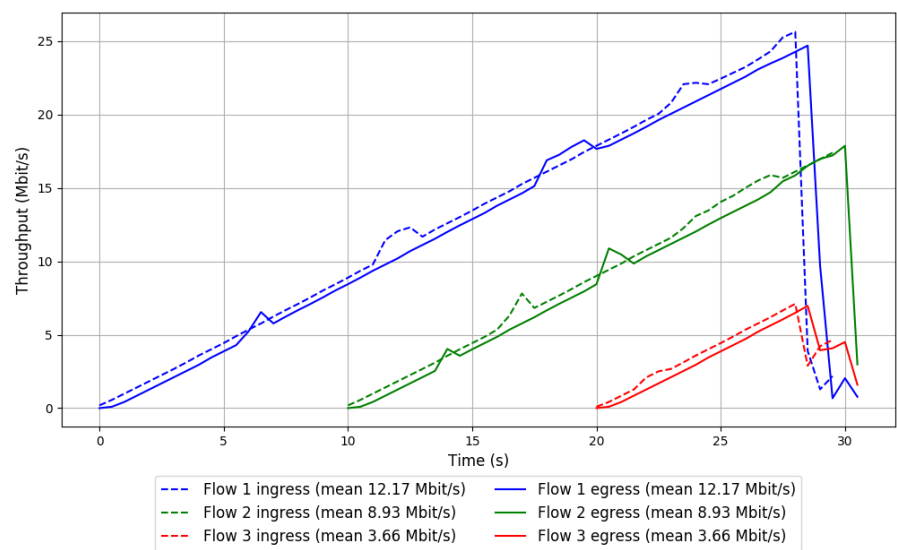
-- Flow 3:

Average throughput: 3.66 Mbit/s

95th percentile per-packet one-way delay: 83.140 ms

Loss rate: 0.06%

Run 1: Report of LEDBAT — Data Link

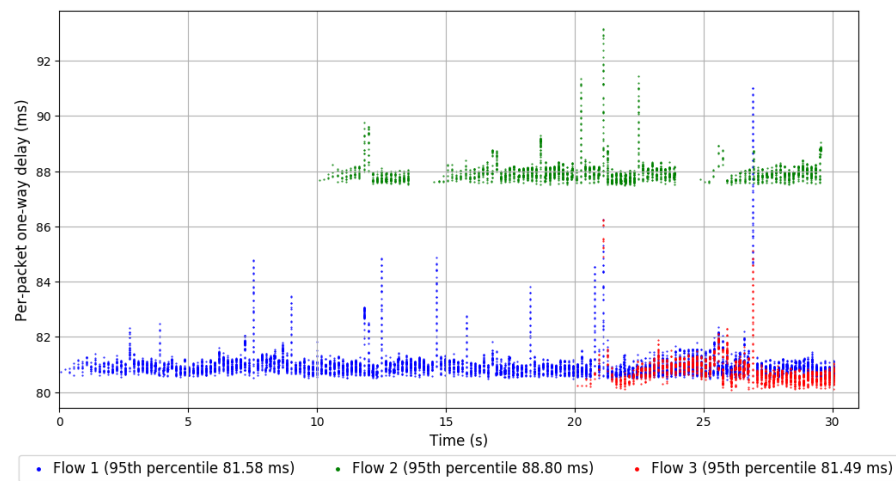
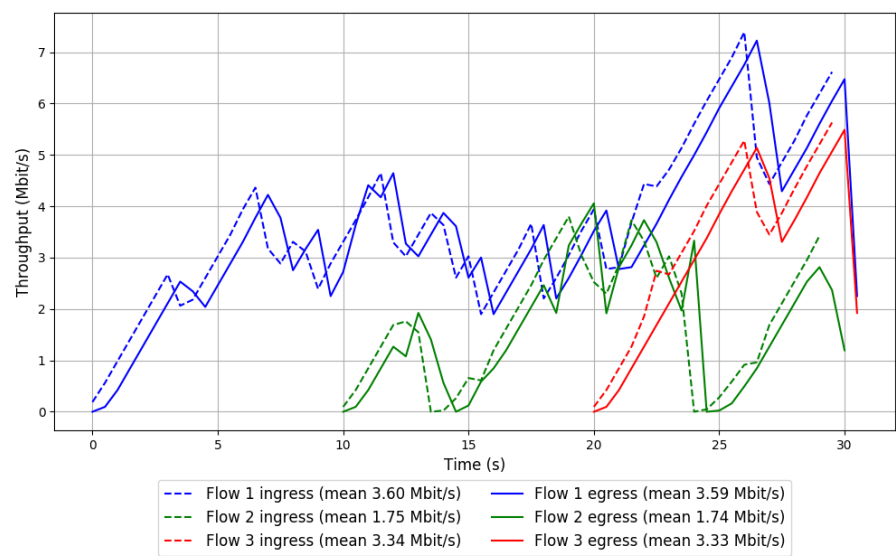


Run 2: Statistics of LEDBAT

Start at: 2018-07-17 17:15:24
End at: 2018-07-17 17:15:54
Local clock offset: -13.636 ms
Remote clock offset: 3.111 ms

Below is generated by plot.py at 2018-07-17 20:22:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.83 Mbit/s
95th percentile per-packet one-way delay: 88.085 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 81.584 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 88.803 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 3.33 Mbit/s
95th percentile per-packet one-way delay: 81.487 ms
Loss rate: 0.14%

Run 2: Report of LEDBAT — Data Link

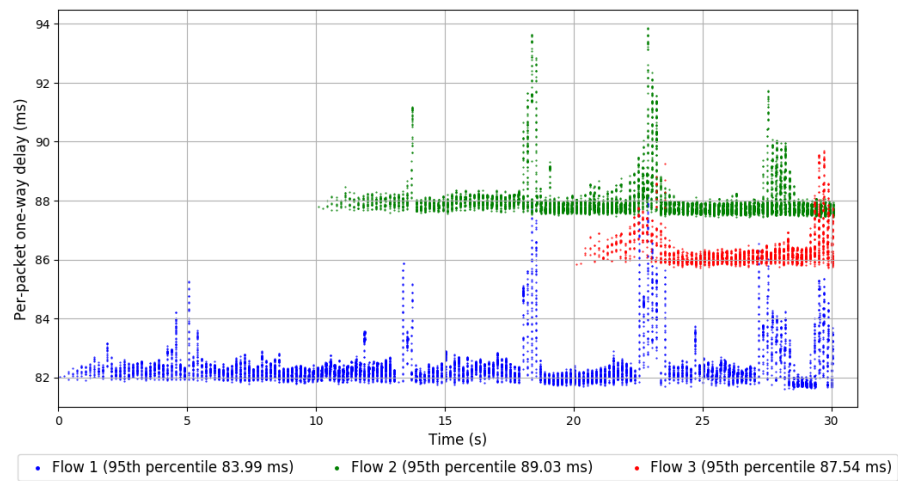
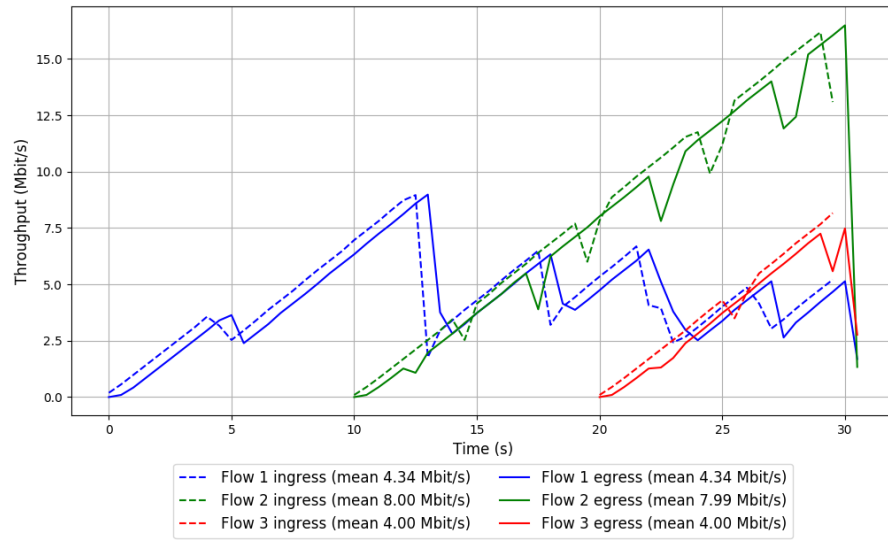


Run 3: Statistics of LEDBAT

Start at: 2018-07-17 17:36:37
End at: 2018-07-17 17:37:07
Local clock offset: -16.207 ms
Remote clock offset: 10.918 ms

Below is generated by plot.py at 2018-07-17 20:22:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: 88.315 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 83.989 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 89.028 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 87.542 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

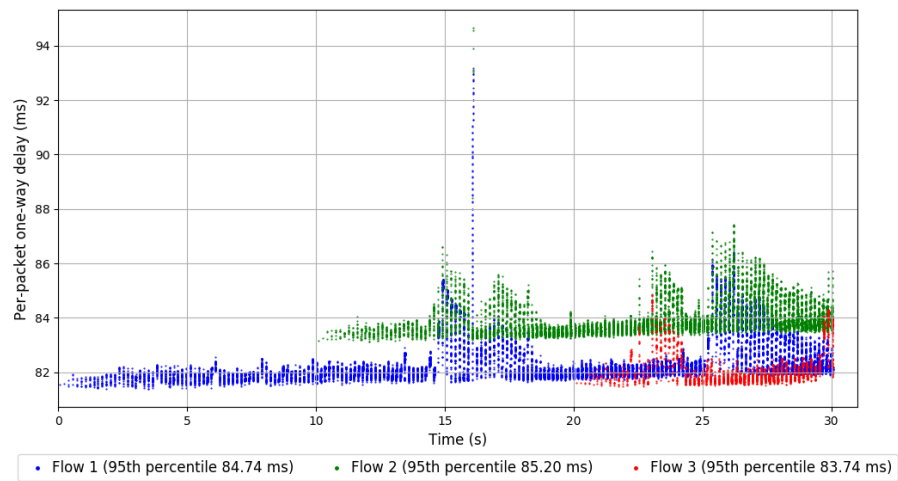
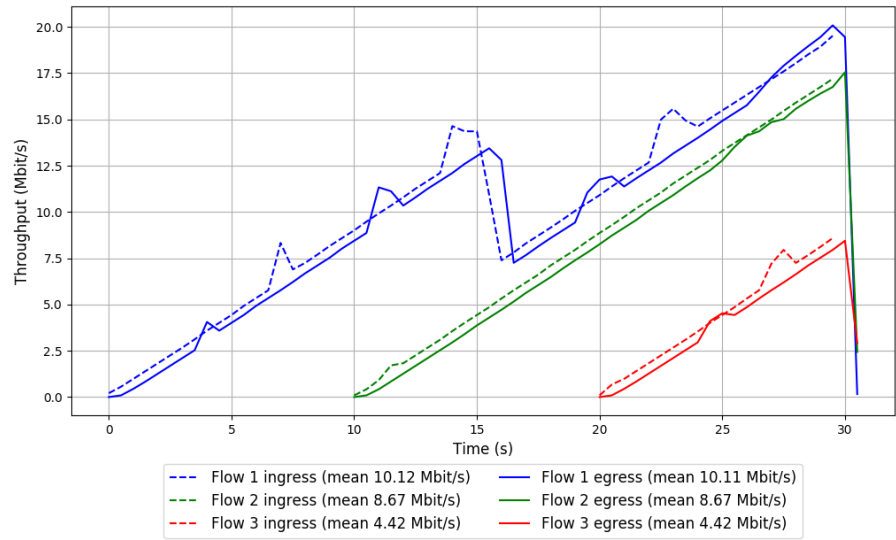


Run 4: Statistics of LEDBAT

Start at: 2018-07-17 17:57:55
End at: 2018-07-17 17:58:25
Local clock offset: -13.509 ms
Remote clock offset: 16.649 ms

Below is generated by plot.py at 2018-07-17 20:22:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.34 Mbit/s
95th percentile per-packet one-way delay: 84.973 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.11 Mbit/s
95th percentile per-packet one-way delay: 84.742 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 8.67 Mbit/s
95th percentile per-packet one-way delay: 85.199 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 83.739 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

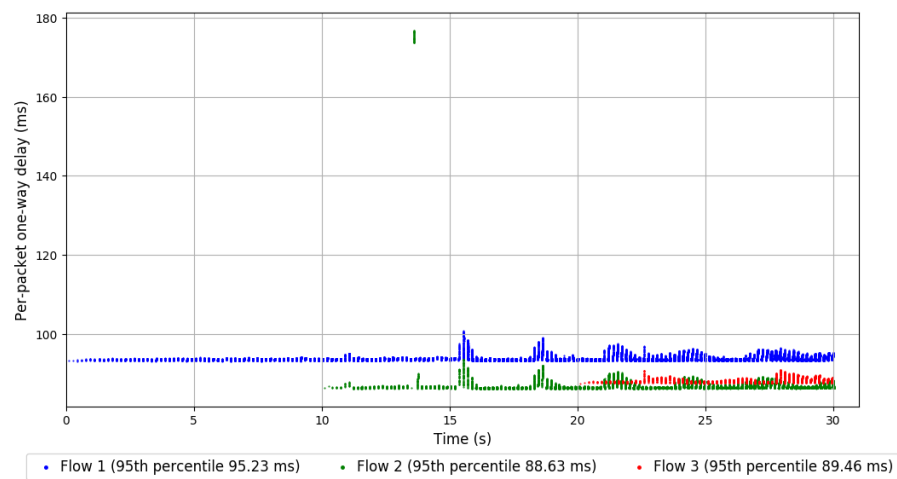
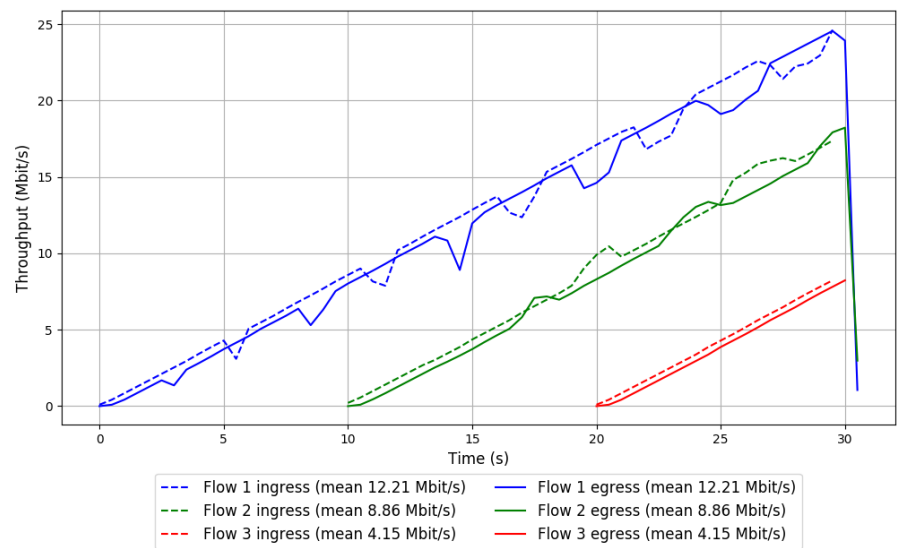


Run 5: Statistics of LEDBAT

Start at: 2018-07-17 18:19:16
End at: 2018-07-17 18:19:46
Local clock offset: 1.674 ms
Remote clock offset: 10.217 ms

Below is generated by plot.py at 2018-07-17 20:22:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.47 Mbit/s
95th percentile per-packet one-way delay: 94.884 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.21 Mbit/s
95th percentile per-packet one-way delay: 95.231 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.86 Mbit/s
95th percentile per-packet one-way delay: 88.634 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 89.460 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-17 18:40:34

End at: 2018-07-17 18:41:04

Local clock offset: 0.632 ms

Remote clock offset: 8.361 ms

Below is generated by plot.py at 2018-07-17 20:22:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.93 Mbit/s

95th percentile per-packet one-way delay: 87.630 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 11.64 Mbit/s

95th percentile per-packet one-way delay: 87.587 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 8.92 Mbit/s

95th percentile per-packet one-way delay: 87.052 ms

Loss rate: 0.00%

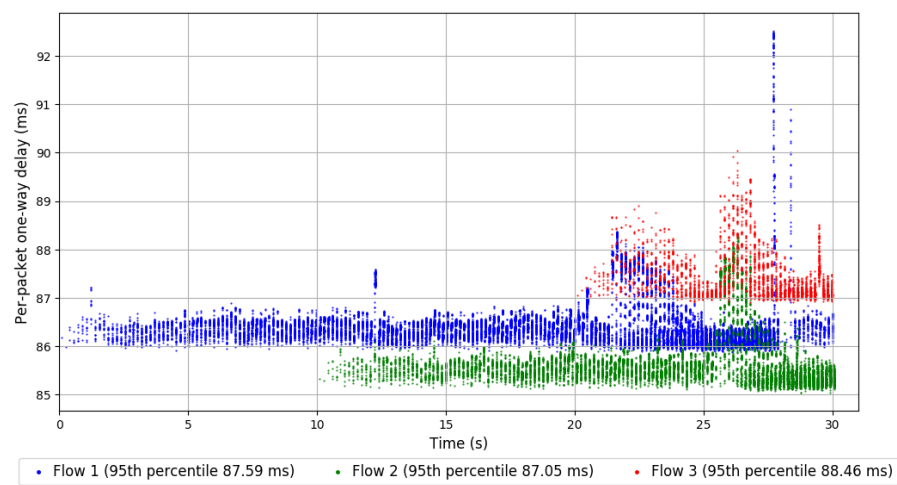
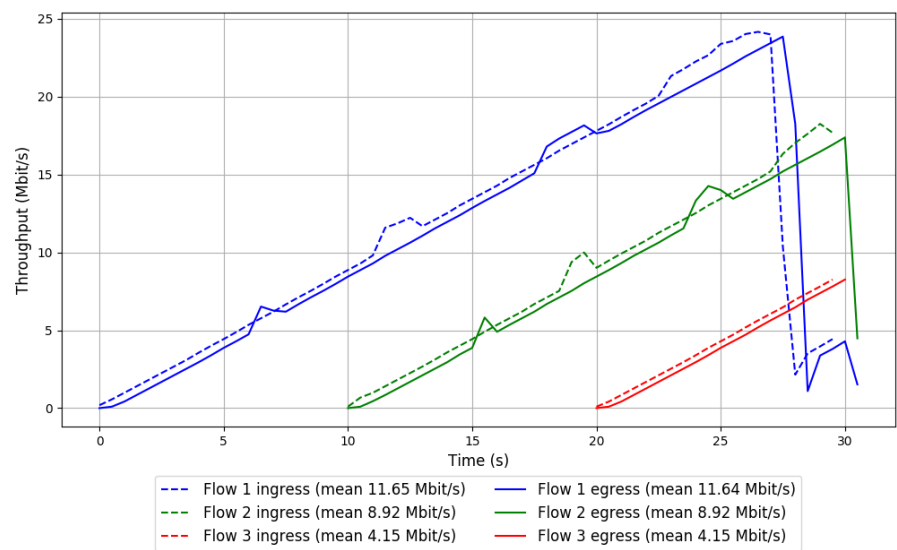
-- Flow 3:

Average throughput: 4.15 Mbit/s

95th percentile per-packet one-way delay: 88.458 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-17 19:01:50

End at: 2018-07-17 19:02:20

Local clock offset: 0.334 ms

Remote clock offset: 9.063 ms

Below is generated by plot.py at 2018-07-17 20:22:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 90.362 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 5.26 Mbit/s

95th percentile per-packet one-way delay: 87.565 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 8.96 Mbit/s

95th percentile per-packet one-way delay: 87.303 ms

Loss rate: 0.00%

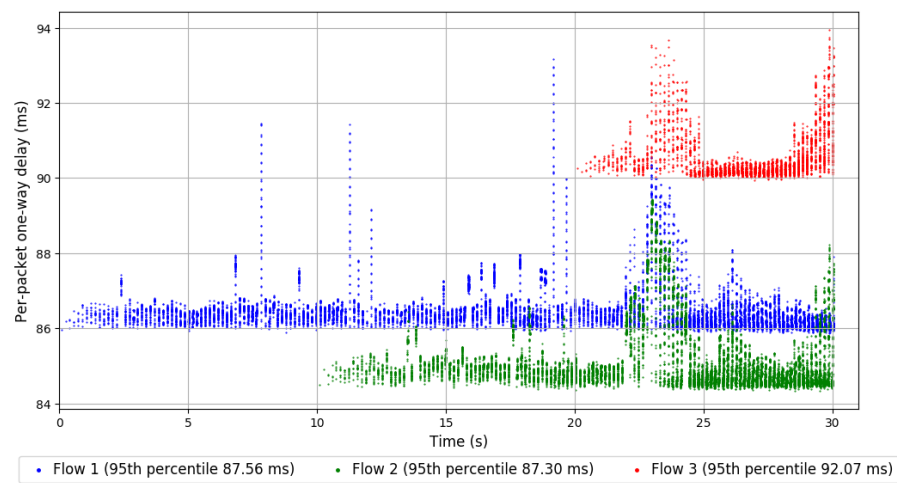
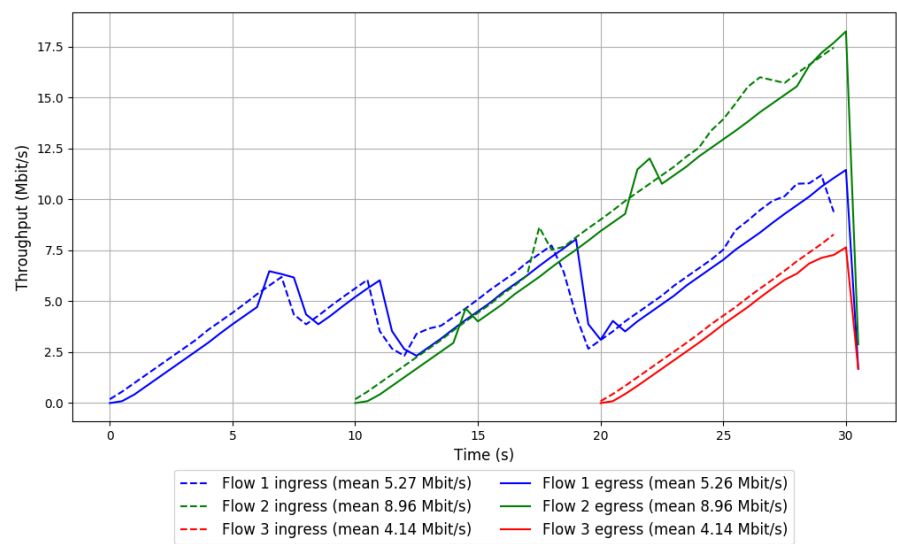
-- Flow 3:

Average throughput: 4.14 Mbit/s

95th percentile per-packet one-way delay: 92.068 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-17 19:23:09

End at: 2018-07-17 19:23:39

Local clock offset: 0.411 ms

Remote clock offset: 7.419 ms

Below is generated by plot.py at 2018-07-17 20:22:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.46 Mbit/s

95th percentile per-packet one-way delay: 88.619 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 12.07 Mbit/s

95th percentile per-packet one-way delay: 89.040 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 8.97 Mbit/s

95th percentile per-packet one-way delay: 81.951 ms

Loss rate: 0.00%

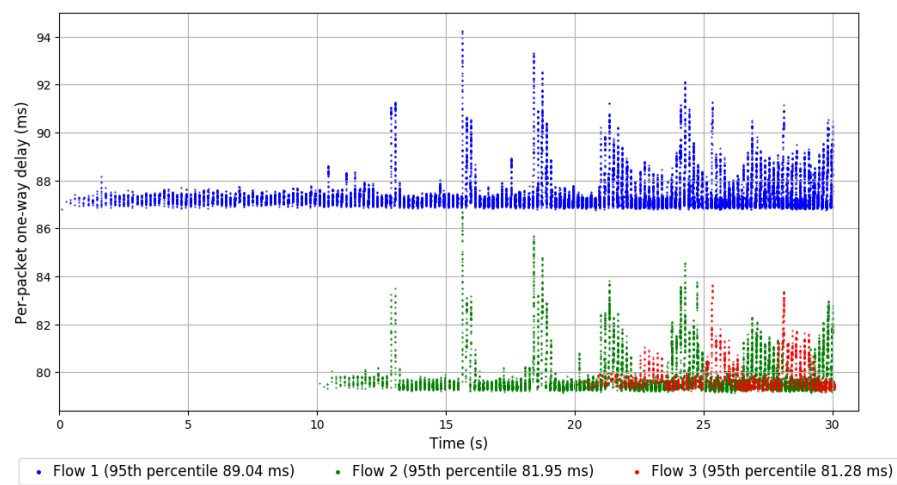
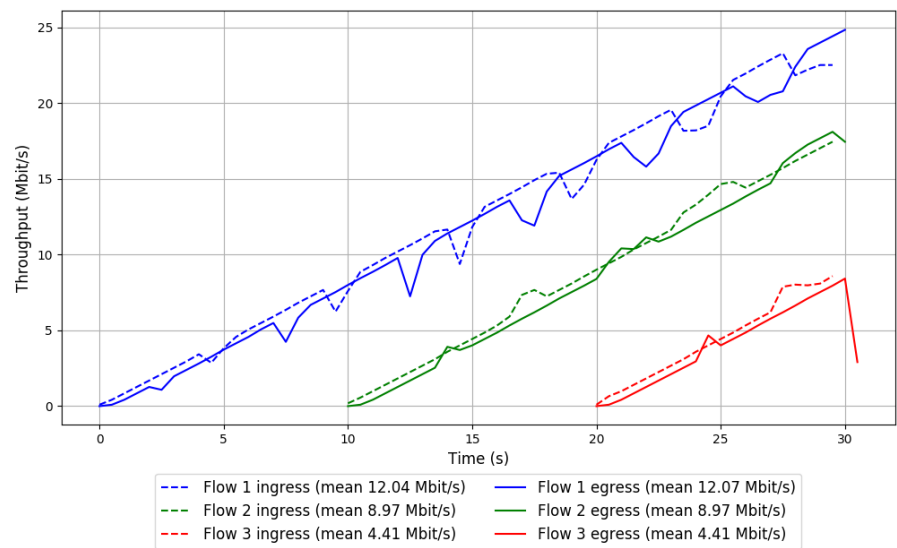
-- Flow 3:

Average throughput: 4.41 Mbit/s

95th percentile per-packet one-way delay: 81.285 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

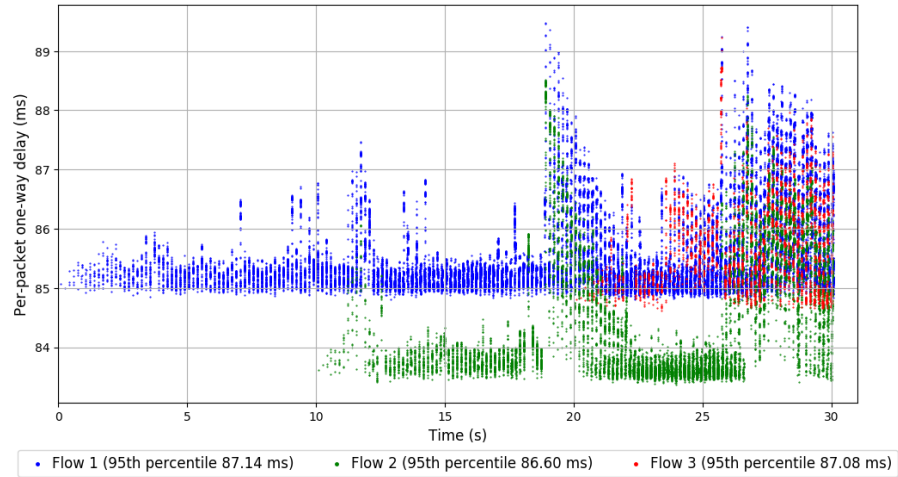
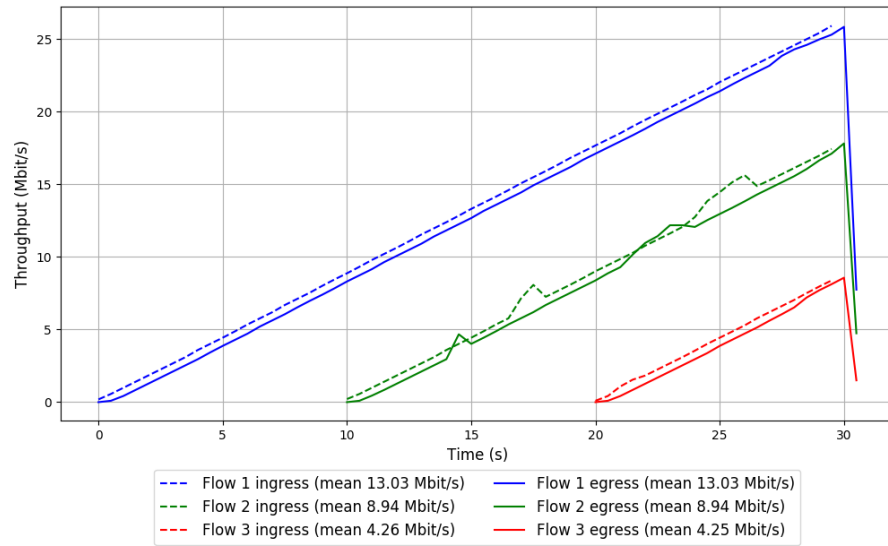


Run 9: Statistics of LEDBAT

Start at: 2018-07-17 19:44:33
End at: 2018-07-17 19:45:03
Local clock offset: -13.109 ms
Remote clock offset: 12.467 ms

Below is generated by plot.py at 2018-07-17 20:22:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.39 Mbit/s
95th percentile per-packet one-way delay: 87.038 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.03 Mbit/s
95th percentile per-packet one-way delay: 87.137 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.94 Mbit/s
95th percentile per-packet one-way delay: 86.604 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 87.082 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-17 20:05:47

End at: 2018-07-17 20:06:17

Local clock offset: -5.419 ms

Remote clock offset: 7.63 ms

Below is generated by plot.py at 2018-07-17 20:22:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.86 Mbit/s

95th percentile per-packet one-way delay: 87.461 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 11.62 Mbit/s

95th percentile per-packet one-way delay: 81.805 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 9.00 Mbit/s

95th percentile per-packet one-way delay: 82.815 ms

Loss rate: 0.00%

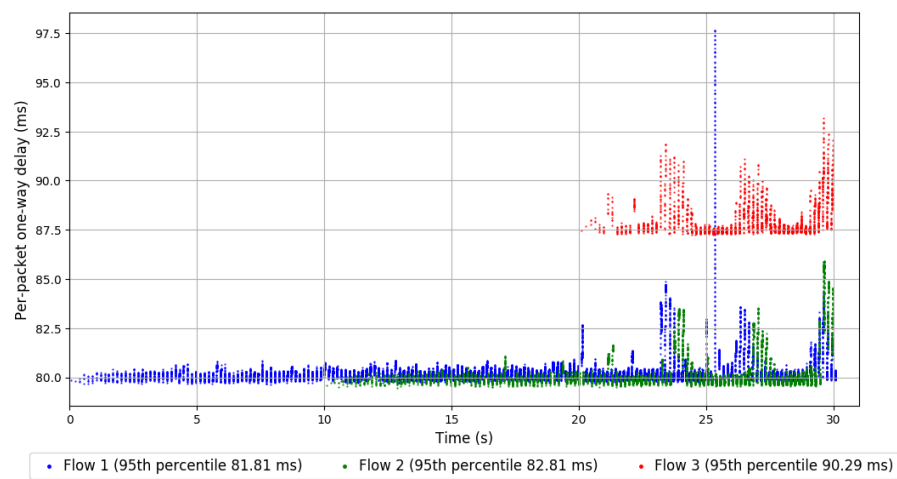
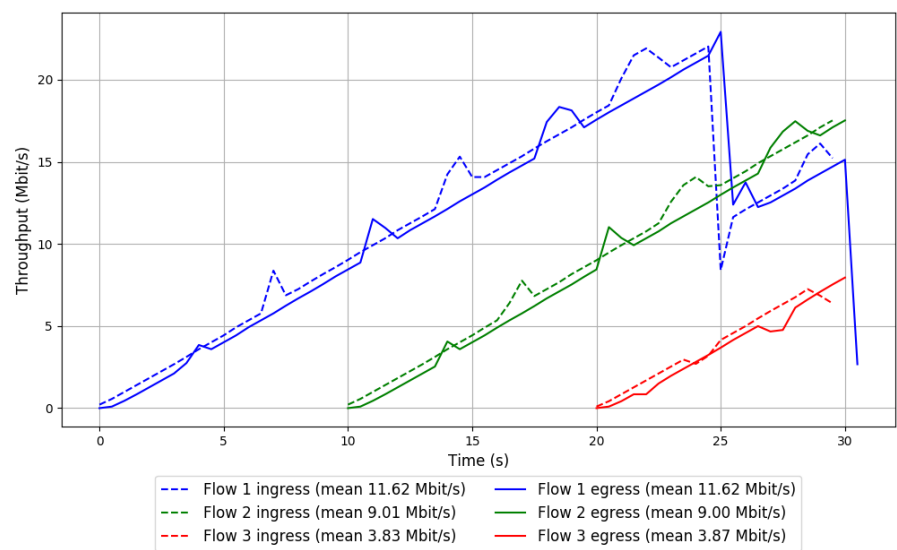
-- Flow 3:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 90.288 ms

Loss rate: 0.28%

Run 10: Report of LEDBAT — Data Link

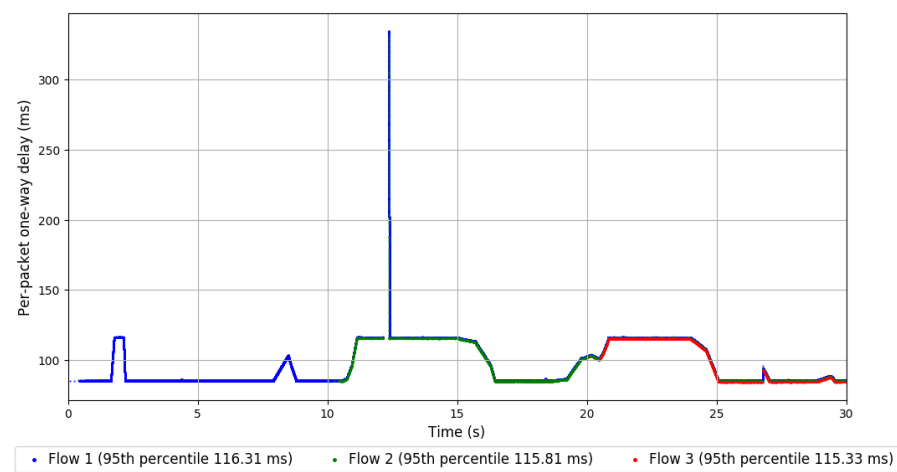
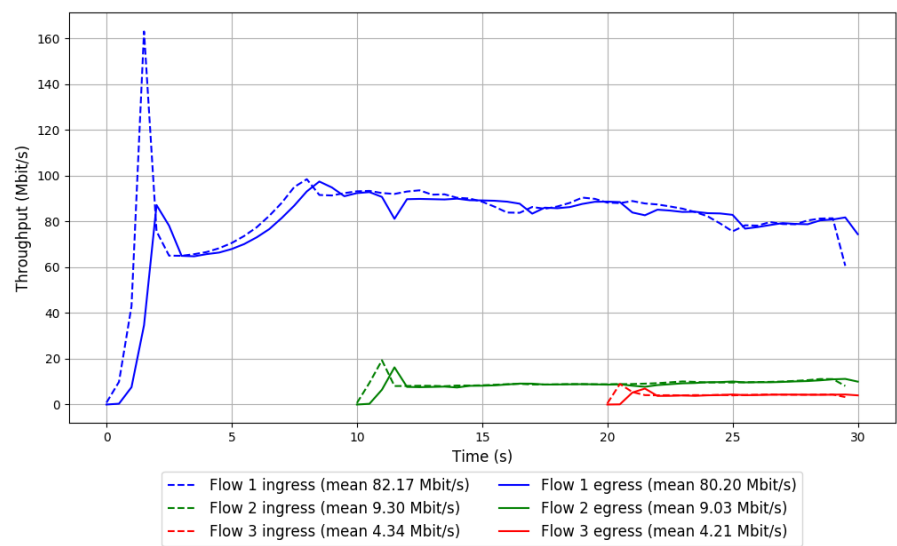


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-17 16:44:01
End at: 2018-07-17 16:44:31
Local clock offset: -7.294 ms
Remote clock offset: -1.22 ms

# Below is generated by plot.py at 2018-07-17 20:23:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.59 Mbit/s
95th percentile per-packet one-way delay: 116.305 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 80.20 Mbit/s
95th percentile per-packet one-way delay: 116.311 ms
Loss rate: 2.39%
-- Flow 2:
Average throughput: 9.03 Mbit/s
95th percentile per-packet one-way delay: 115.813 ms
Loss rate: 2.91%
-- Flow 3:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 115.325 ms
Loss rate: 3.15%
```

Run 1: Report of PCC-Allegro — Data Link

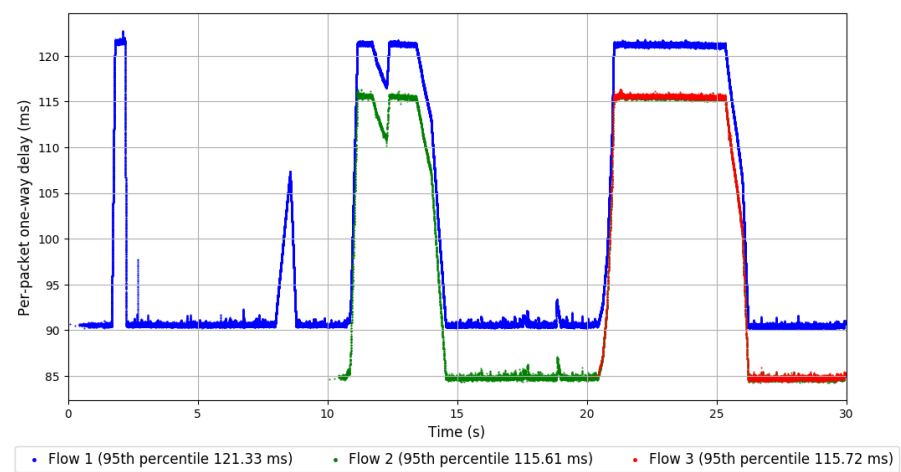
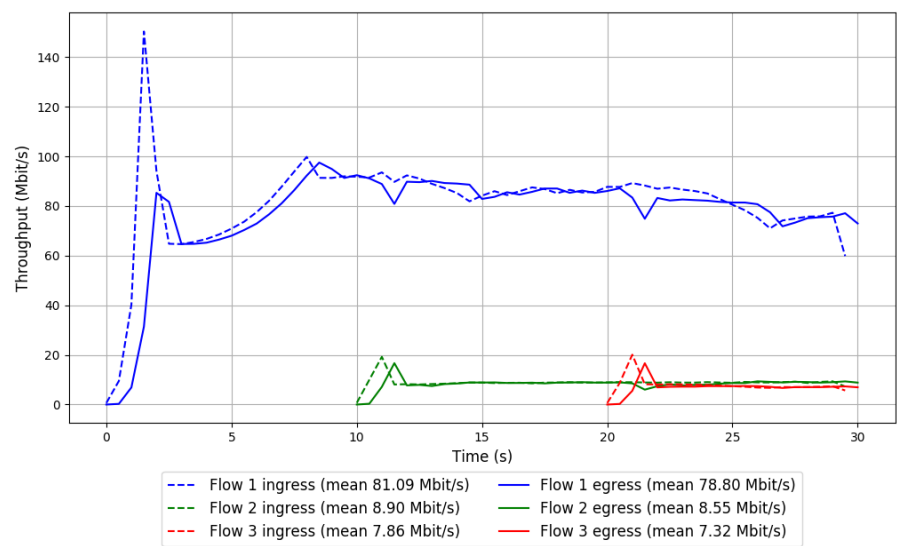


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-17 17:05:18
End at: 2018-07-17 17:05:48
Local clock offset: -11.827 ms
Remote clock offset: 4.355 ms

Below is generated by plot.py at 2018-07-17 20:23:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 121.319 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 78.80 Mbit/s
95th percentile per-packet one-way delay: 121.331 ms
Loss rate: 2.84%
-- Flow 2:
Average throughput: 8.55 Mbit/s
95th percentile per-packet one-way delay: 115.613 ms
Loss rate: 4.04%
-- Flow 3:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: 115.725 ms
Loss rate: 6.79%

Run 2: Report of PCC-Allegro — Data Link

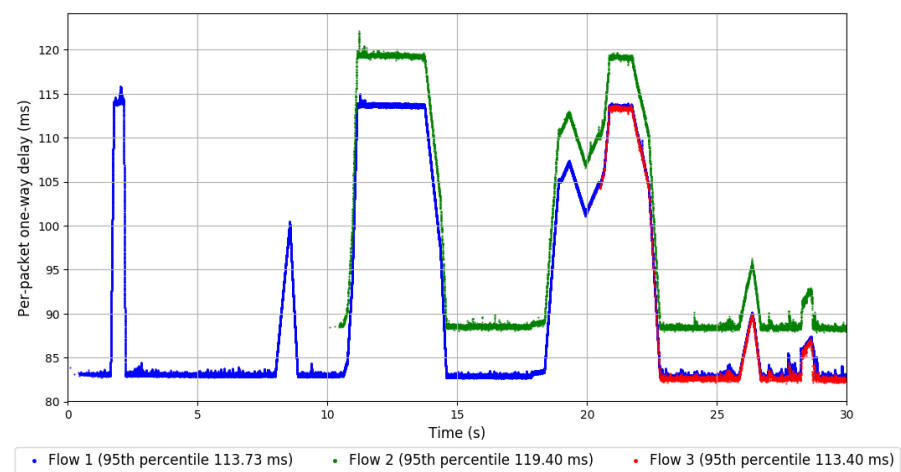
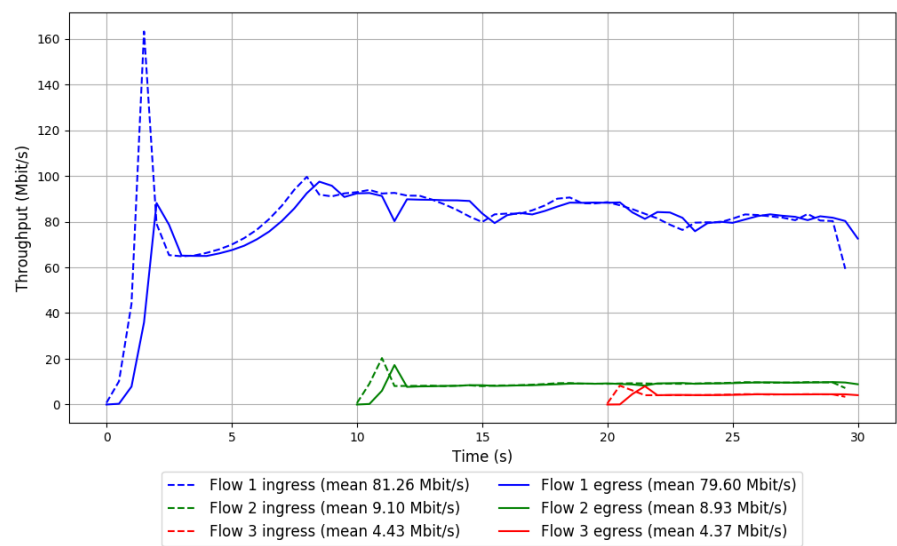


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-17 17:26:31
End at: 2018-07-17 17:27:01
Local clock offset: -15.079 ms
Remote clock offset: 7.199 ms

Below is generated by plot.py at 2018-07-17 20:23:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.97 Mbit/s
95th percentile per-packet one-way delay: 113.765 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 79.60 Mbit/s
95th percentile per-packet one-way delay: 113.730 ms
Loss rate: 2.04%
-- Flow 2:
Average throughput: 8.93 Mbit/s
95th percentile per-packet one-way delay: 119.401 ms
Loss rate: 1.88%
-- Flow 3:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 113.400 ms
Loss rate: 1.57%

Run 3: Report of PCC-Allegro — Data Link

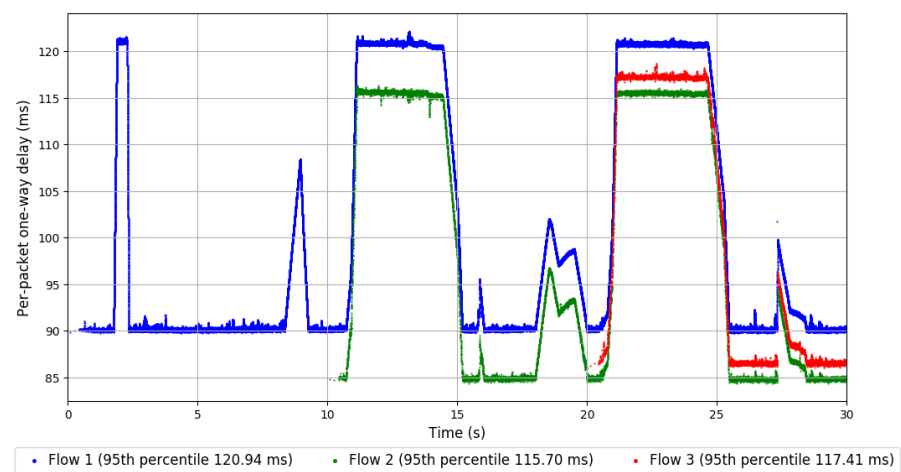
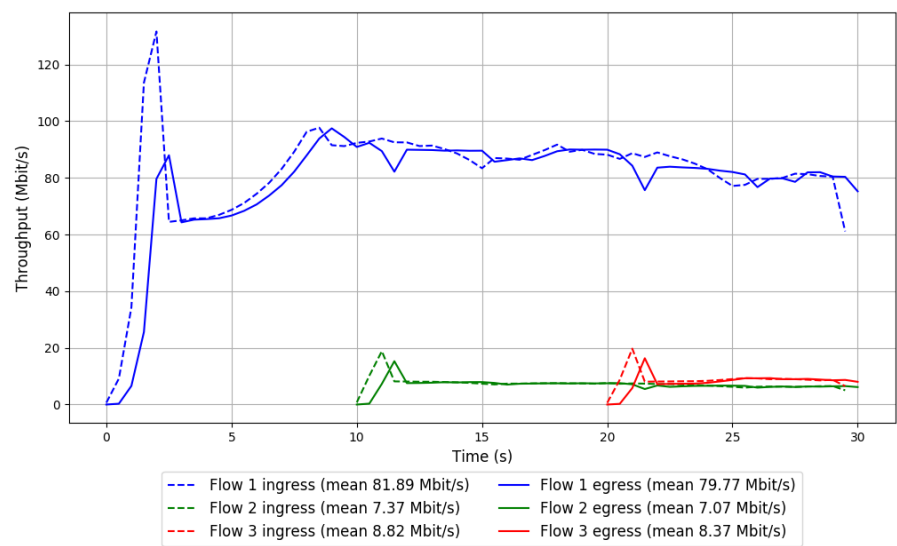


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-17 17:47:50
End at: 2018-07-17 17:48:20
Local clock offset: -17.447 ms
Remote clock offset: 18.338 ms

Below is generated by plot.py at 2018-07-17 20:23:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.24 Mbit/s
95th percentile per-packet one-way delay: 120.932 ms
Loss rate: 2.76%
-- Flow 1:
Average throughput: 79.77 Mbit/s
95th percentile per-packet one-way delay: 120.942 ms
Loss rate: 2.59%
-- Flow 2:
Average throughput: 7.07 Mbit/s
95th percentile per-packet one-way delay: 115.705 ms
Loss rate: 4.08%
-- Flow 3:
Average throughput: 8.37 Mbit/s
95th percentile per-packet one-way delay: 117.413 ms
Loss rate: 5.15%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-17 18:09:10

End at: 2018-07-17 18:09:40

Local clock offset: -2.488 ms

Remote clock offset: 8.332 ms

Below is generated by plot.py at 2018-07-17 20:23:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.94 Mbit/s

95th percentile per-packet one-way delay: 119.351 ms

Loss rate: 2.52%

-- Flow 1:

Average throughput: 78.27 Mbit/s

95th percentile per-packet one-way delay: 119.366 ms

Loss rate: 2.46%

-- Flow 2:

Average throughput: 9.17 Mbit/s

95th percentile per-packet one-way delay: 111.880 ms

Loss rate: 2.74%

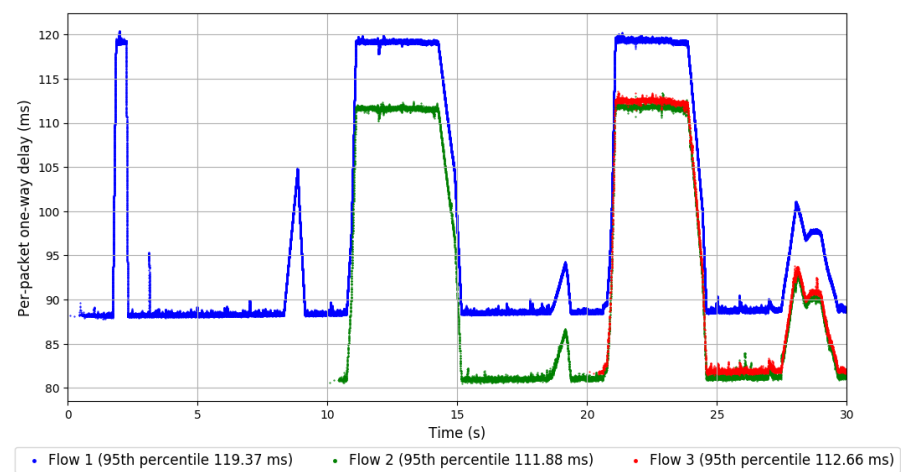
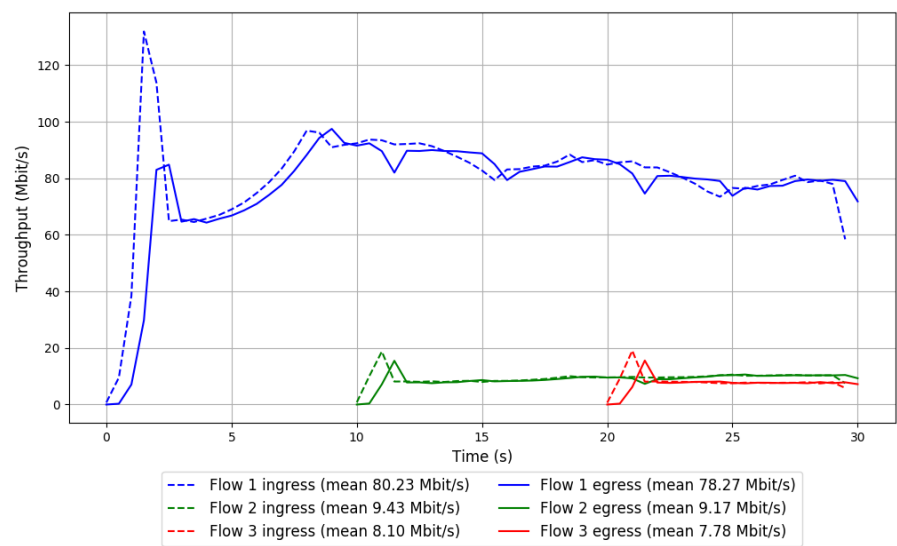
-- Flow 3:

Average throughput: 7.78 Mbit/s

95th percentile per-packet one-way delay: 112.660 ms

Loss rate: 3.90%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-17 18:30:25

End at: 2018-07-17 18:30:55

Local clock offset: 1.533 ms

Remote clock offset: 7.934 ms

Below is generated by plot.py at 2018-07-17 20:23:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.77 Mbit/s

95th percentile per-packet one-way delay: 115.460 ms

Loss rate: 2.53%

-- Flow 1:

Average throughput: 78.68 Mbit/s

95th percentile per-packet one-way delay: 115.456 ms

Loss rate: 2.41%

-- Flow 2:

Average throughput: 8.09 Mbit/s

95th percentile per-packet one-way delay: 115.570 ms

Loss rate: 3.15%

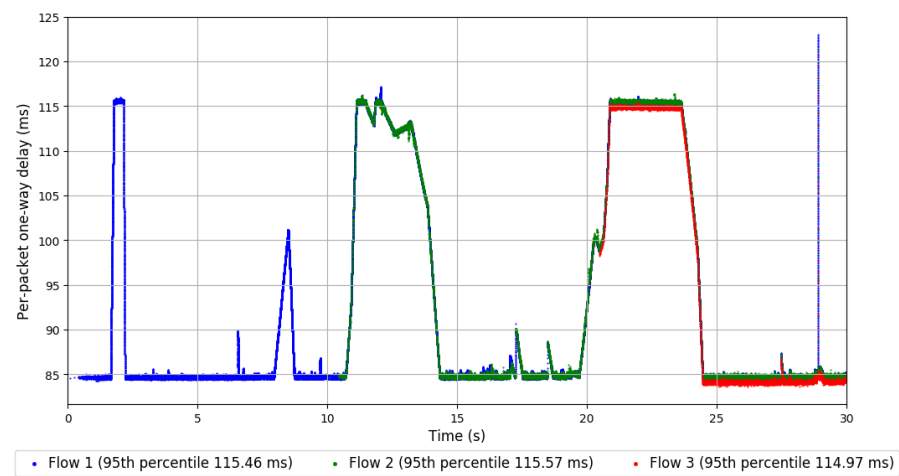
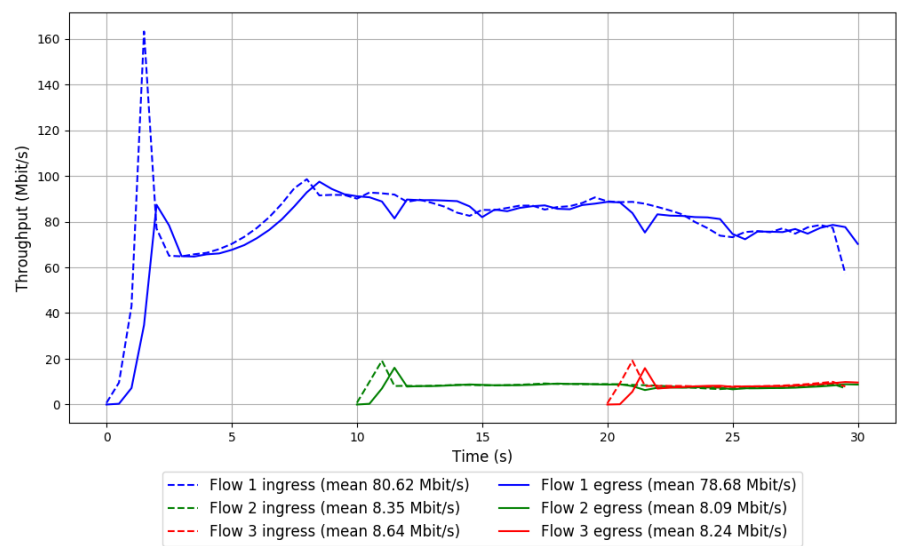
-- Flow 3:

Average throughput: 8.24 Mbit/s

95th percentile per-packet one-way delay: 114.973 ms

Loss rate: 4.66%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-17 18:51:45

End at: 2018-07-17 18:52:15

Local clock offset: 1.227 ms

Remote clock offset: 3.786 ms

Below is generated by plot.py at 2018-07-17 20:23:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.79 Mbit/s

95th percentile per-packet one-way delay: 116.032 ms

Loss rate: 2.90%

-- Flow 1:

Average throughput: 77.02 Mbit/s

95th percentile per-packet one-way delay: 116.043 ms

Loss rate: 2.75%

-- Flow 2:

Average throughput: 9.32 Mbit/s

95th percentile per-packet one-way delay: 113.171 ms

Loss rate: 3.45%

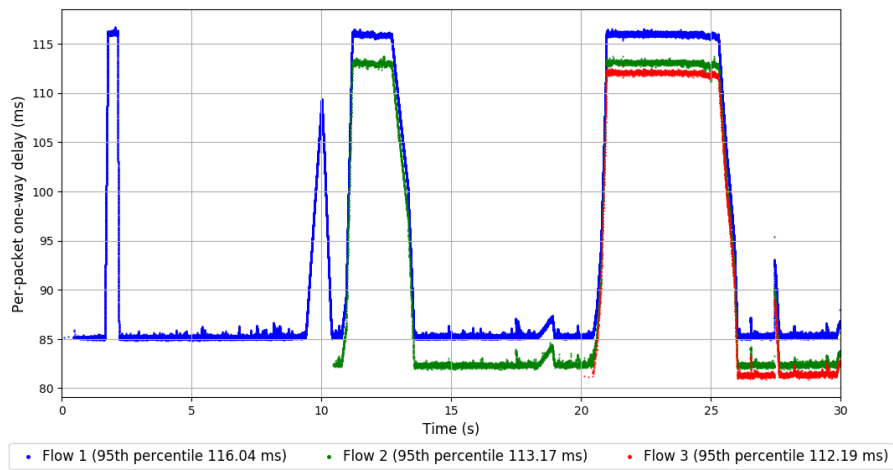
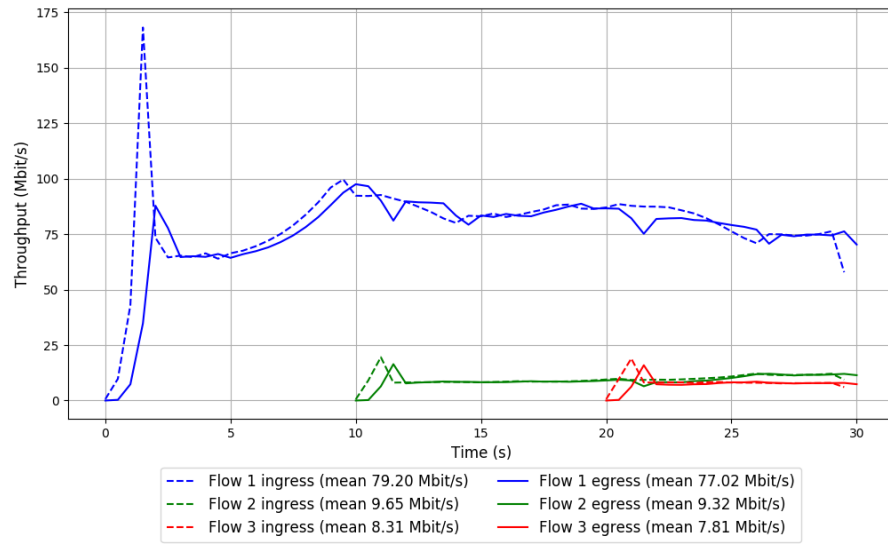
-- Flow 3:

Average throughput: 7.81 Mbit/s

95th percentile per-packet one-way delay: 112.194 ms

Loss rate: 5.97%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-17 19:13:01

End at: 2018-07-17 19:13:31

Local clock offset: -0.02 ms

Remote clock offset: 6.741 ms

Below is generated by plot.py at 2018-07-17 20:23:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.44 Mbit/s

95th percentile per-packet one-way delay: 111.360 ms

Loss rate: 2.53%

-- Flow 1:

Average throughput: 79.77 Mbit/s

95th percentile per-packet one-way delay: 111.291 ms

Loss rate: 2.41%

-- Flow 2:

Average throughput: 7.78 Mbit/s

95th percentile per-packet one-way delay: 112.048 ms

Loss rate: 2.98%

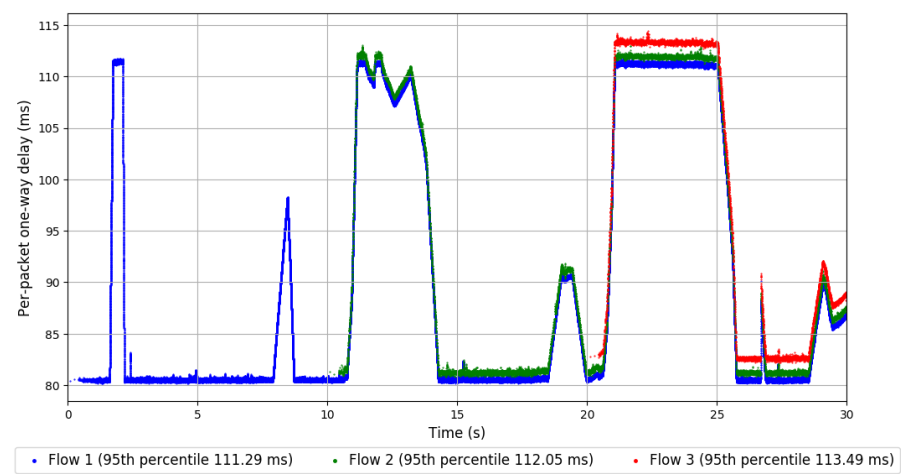
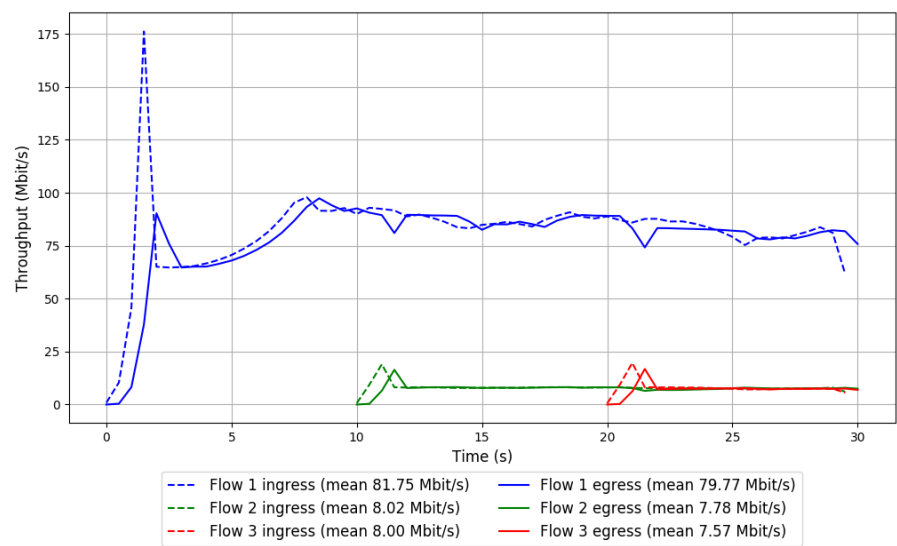
-- Flow 3:

Average throughput: 7.57 Mbit/s

95th percentile per-packet one-way delay: 113.487 ms

Loss rate: 5.27%

Run 8: Report of PCC-Allegro — Data Link

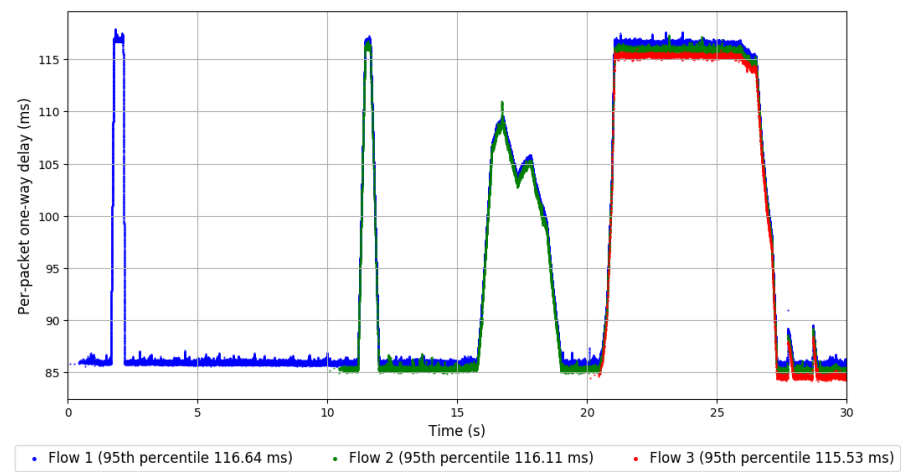
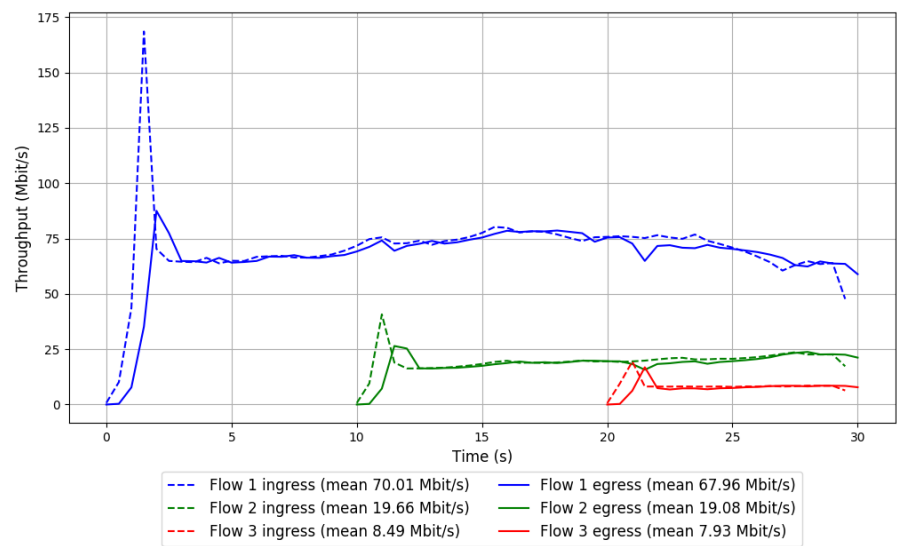


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-17 19:34:27
End at: 2018-07-17 19:34:57
Local clock offset: -8.896 ms
Remote clock offset: 12.378 ms

Below is generated by plot.py at 2018-07-17 20:24:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.27 Mbit/s
95th percentile per-packet one-way delay: 116.615 ms
Loss rate: 3.04%
-- Flow 1:
Average throughput: 67.96 Mbit/s
95th percentile per-packet one-way delay: 116.645 ms
Loss rate: 2.92%
-- Flow 2:
Average throughput: 19.08 Mbit/s
95th percentile per-packet one-way delay: 116.110 ms
Loss rate: 2.94%
-- Flow 3:
Average throughput: 7.93 Mbit/s
95th percentile per-packet one-way delay: 115.533 ms
Loss rate: 6.56%

Run 9: Report of PCC-Allegro — Data Link

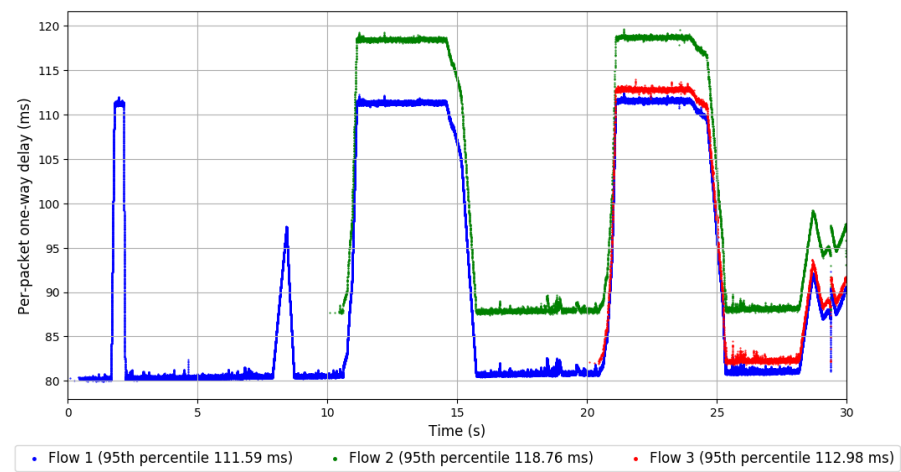
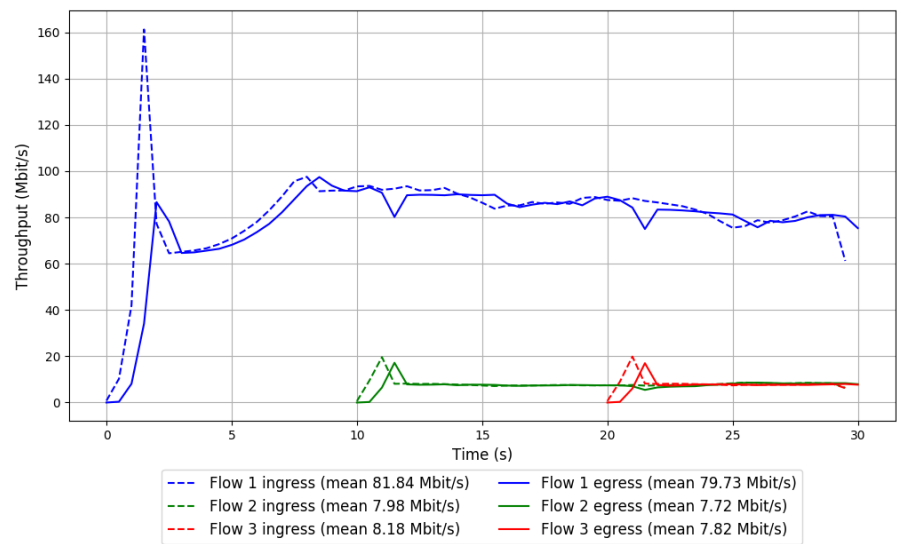


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-17 19:55:41
End at: 2018-07-17 19:56:11
Local clock offset: -14.636 ms
Remote clock offset: 7.713 ms

Below is generated by plot.py at 2018-07-17 20:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.44 Mbit/s
95th percentile per-packet one-way delay: 111.693 ms
Loss rate: 2.63%
-- Flow 1:
Average throughput: 79.73 Mbit/s
95th percentile per-packet one-way delay: 111.590 ms
Loss rate: 2.54%
-- Flow 2:
Average throughput: 7.72 Mbit/s
95th percentile per-packet one-way delay: 118.757 ms
Loss rate: 3.23%
-- Flow 3:
Average throughput: 7.82 Mbit/s
95th percentile per-packet one-way delay: 112.977 ms
Loss rate: 4.25%

Run 10: Report of PCC-Allegro — Data Link

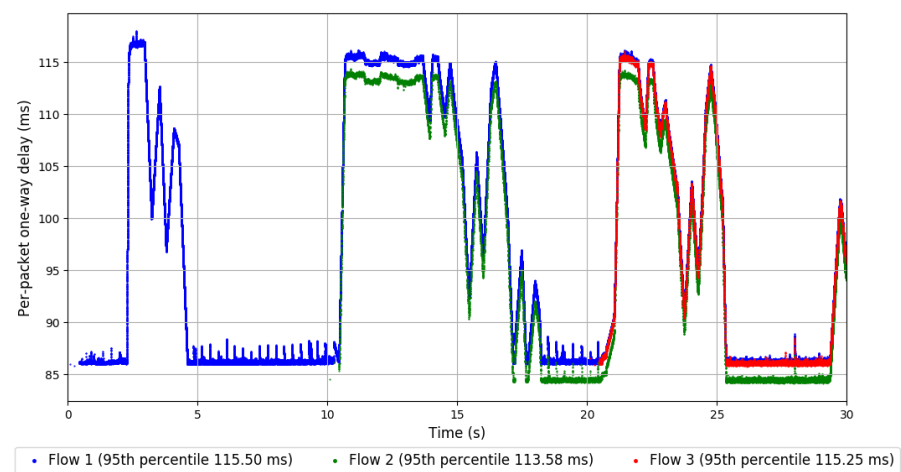
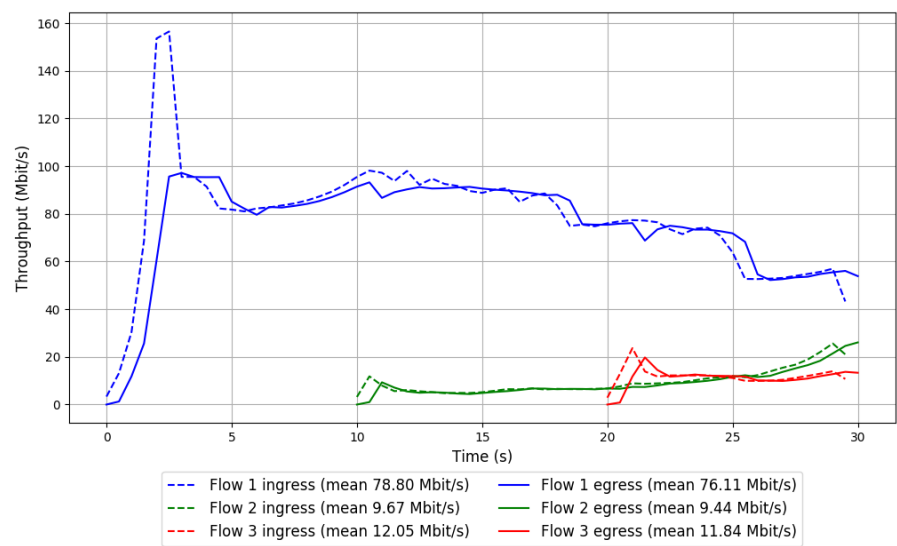


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-17 16:41:31
End at: 2018-07-17 16:42:01
Local clock offset: -7.058 ms
Remote clock offset: -0.646 ms

# Below is generated by plot.py at 2018-07-17 20:25:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.31 Mbit/s
95th percentile per-packet one-way delay: 115.465 ms
Loss rate: 3.23%
-- Flow 1:
Average throughput: 76.11 Mbit/s
95th percentile per-packet one-way delay: 115.500 ms
Loss rate: 3.38%
-- Flow 2:
Average throughput: 9.44 Mbit/s
95th percentile per-packet one-way delay: 113.579 ms
Loss rate: 2.30%
-- Flow 3:
Average throughput: 11.84 Mbit/s
95th percentile per-packet one-way delay: 115.253 ms
Loss rate: 1.66%
```


Run 1: Report of PCC-Expr — Data Link

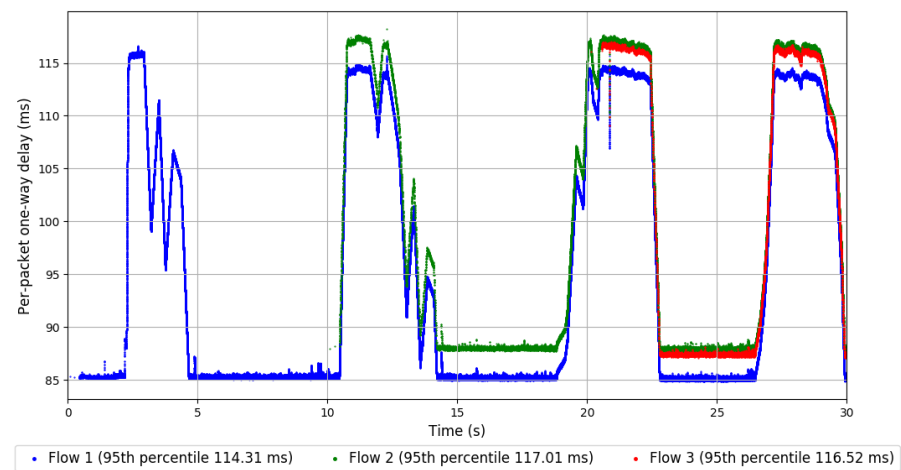
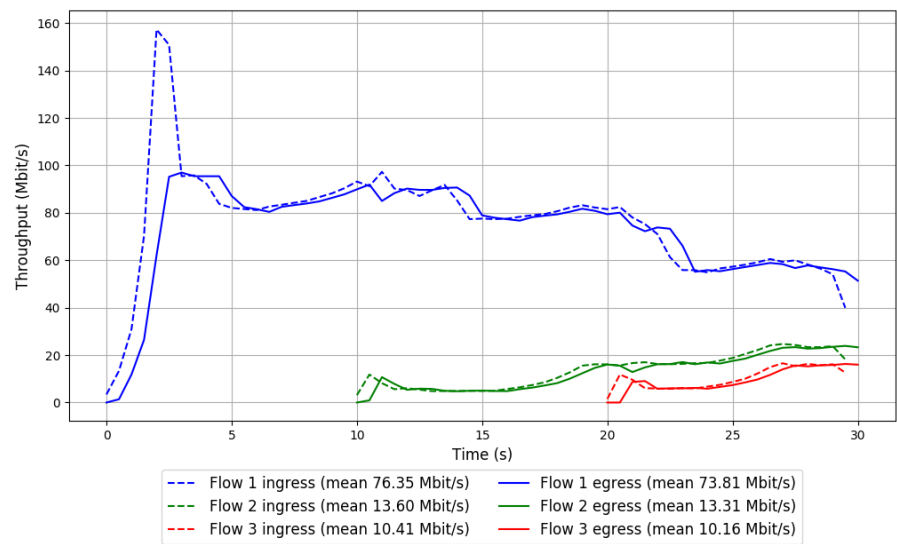


Run 2: Statistics of PCC-Expr

Start at: 2018-07-17 17:02:48
End at: 2018-07-17 17:03:18
Local clock offset: -11.088 ms
Remote clock offset: 5.943 ms

Below is generated by plot.py at 2018-07-17 20:25:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.00 Mbit/s
95th percentile per-packet one-way delay: 115.754 ms
Loss rate: 3.18%
-- Flow 1:
Average throughput: 73.81 Mbit/s
95th percentile per-packet one-way delay: 114.309 ms
Loss rate: 3.33%
-- Flow 2:
Average throughput: 13.31 Mbit/s
95th percentile per-packet one-way delay: 117.014 ms
Loss rate: 2.13%
-- Flow 3:
Average throughput: 10.16 Mbit/s
95th percentile per-packet one-way delay: 116.523 ms
Loss rate: 2.66%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-17 17:24:01

End at: 2018-07-17 17:24:31

Local clock offset: -14.78 ms

Remote clock offset: 3.653 ms

Below is generated by plot.py at 2018-07-17 20:25:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.80 Mbit/s

95th percentile per-packet one-way delay: 111.862 ms

Loss rate: 3.25%

-- Flow 1:

Average throughput: 78.31 Mbit/s

95th percentile per-packet one-way delay: 111.884 ms

Loss rate: 3.39%

-- Flow 2:

Average throughput: 9.02 Mbit/s

95th percentile per-packet one-way delay: 111.636 ms

Loss rate: 2.40%

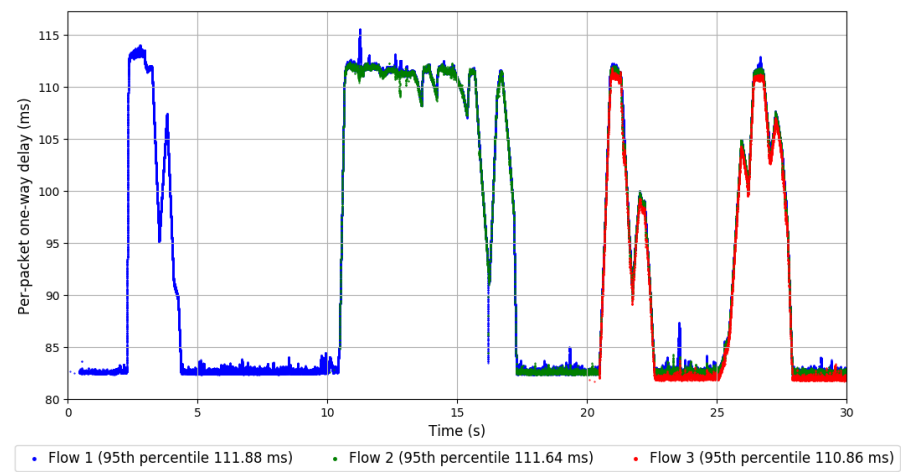
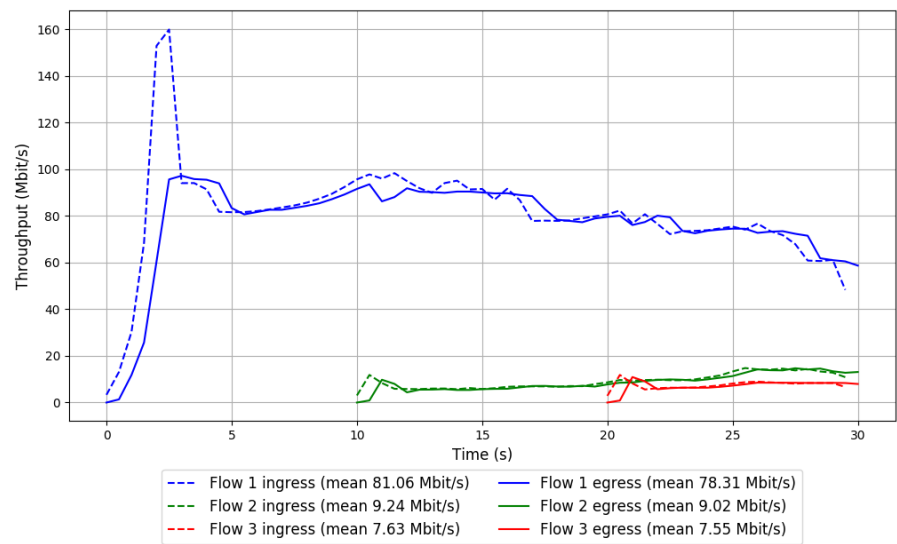
-- Flow 3:

Average throughput: 7.55 Mbit/s

95th percentile per-packet one-way delay: 110.857 ms

Loss rate: 1.07%

Run 3: Report of PCC-Expr — Data Link

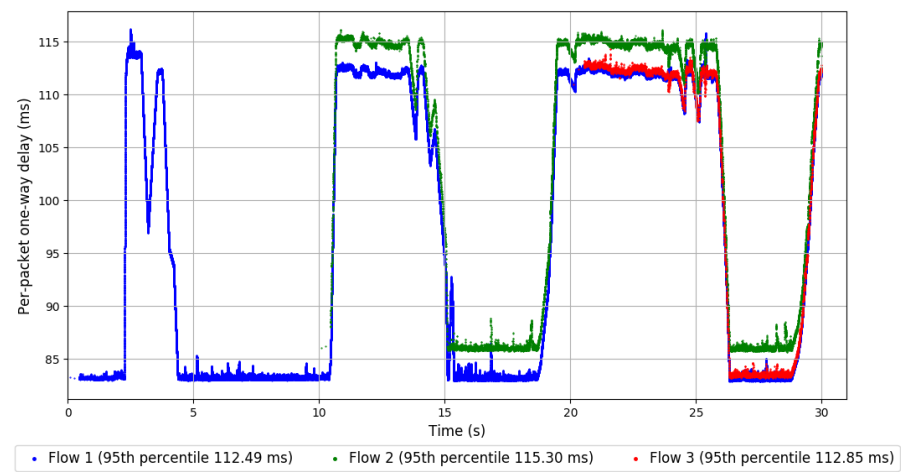
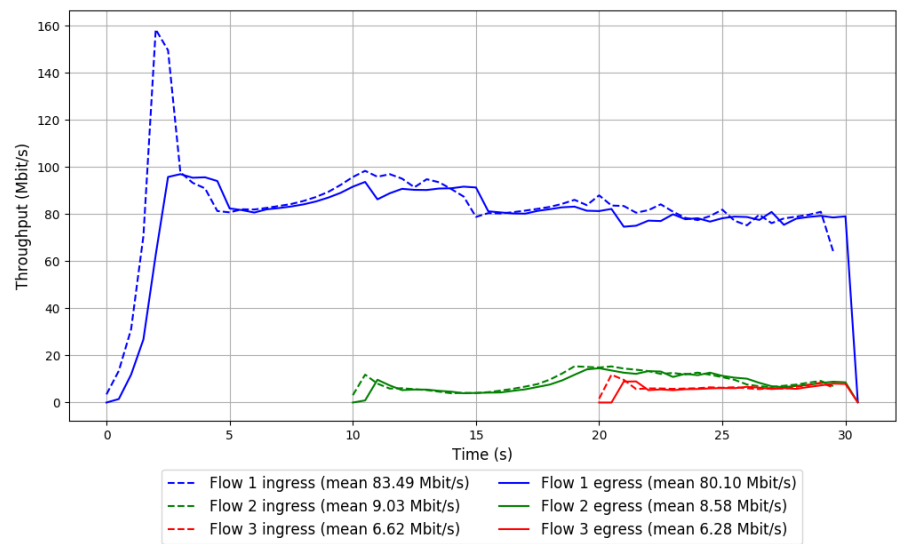


Run 4: Statistics of PCC-Expr

Start at: 2018-07-17 17:45:19
End at: 2018-07-17 17:45:49
Local clock offset: -17.155 ms
Remote clock offset: 16.637 ms

Below is generated by plot.py at 2018-07-17 20:25:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.88 Mbit/s
95th percentile per-packet one-way delay: 113.075 ms
Loss rate: 4.05%
-- Flow 1:
Average throughput: 80.10 Mbit/s
95th percentile per-packet one-way delay: 112.494 ms
Loss rate: 3.96%
-- Flow 2:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 115.304 ms
Loss rate: 4.91%
-- Flow 3:
Average throughput: 6.28 Mbit/s
95th percentile per-packet one-way delay: 112.846 ms
Loss rate: 5.05%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-17 18:06:39

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

Local clock offset: -4.236 ms

Remote clock offset: 8.701 ms

Below is generated by plot.py at 2018-07-17 20:25:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.20 Mbit/s

95th percentile per-packet one-way delay: 113.845 ms

Loss rate: 4.41%

-- Flow 1:

Average throughput: 79.24 Mbit/s

95th percentile per-packet one-way delay: 109.526 ms

Loss rate: 4.22%

-- Flow 2:

Average throughput: 11.36 Mbit/s

95th percentile per-packet one-way delay: 117.119 ms

Loss rate: 5.07%

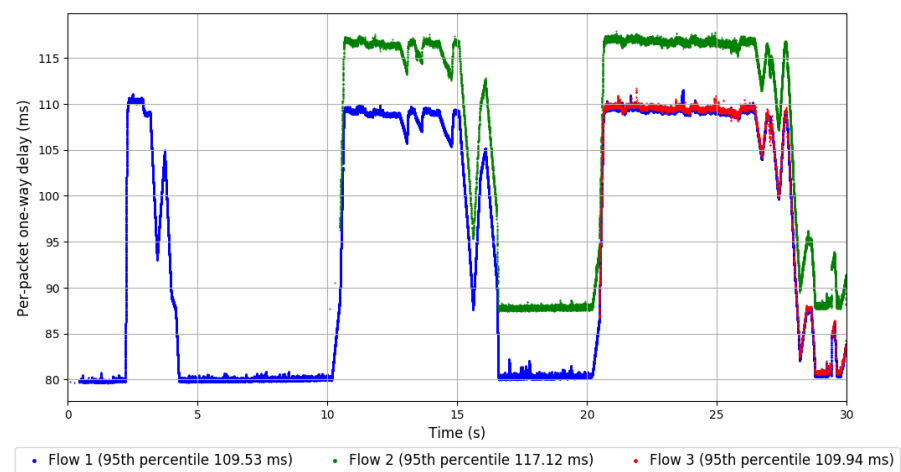
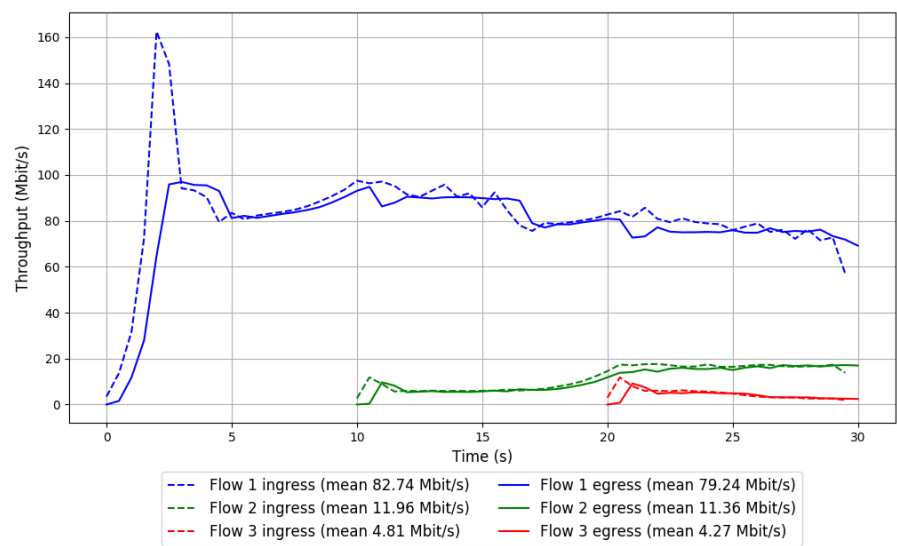
-- Flow 3:

Average throughput: 4.27 Mbit/s

95th percentile per-packet one-way delay: 109.935 ms

Loss rate: 11.08%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-17 18:27:55

End at: 2018-07-17 18:28:25

Local clock offset: 2.222 ms

Remote clock offset: 3.162 ms

Below is generated by plot.py at 2018-07-17 20:25:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.64 Mbit/s

95th percentile per-packet one-way delay: 108.638 ms

Loss rate: 3.48%

-- Flow 1:

Average throughput: 78.29 Mbit/s

95th percentile per-packet one-way delay: 108.605 ms

Loss rate: 3.52%

-- Flow 2:

Average throughput: 9.89 Mbit/s

95th percentile per-packet one-way delay: 108.371 ms

Loss rate: 3.05%

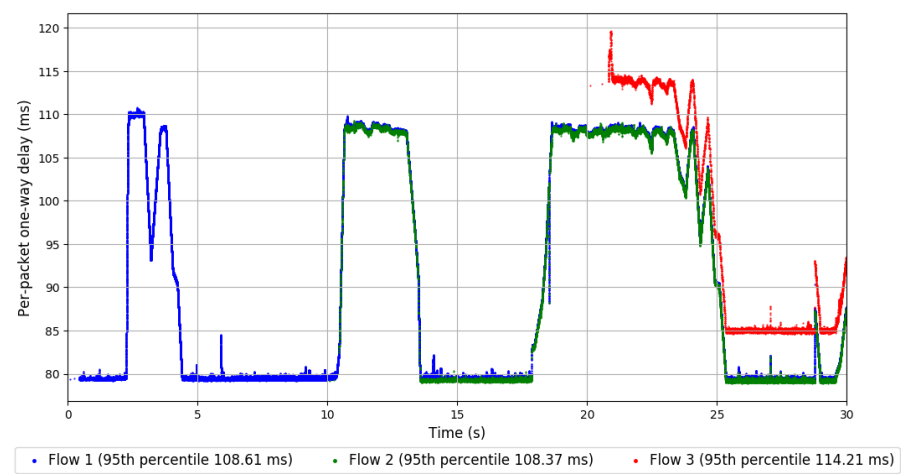
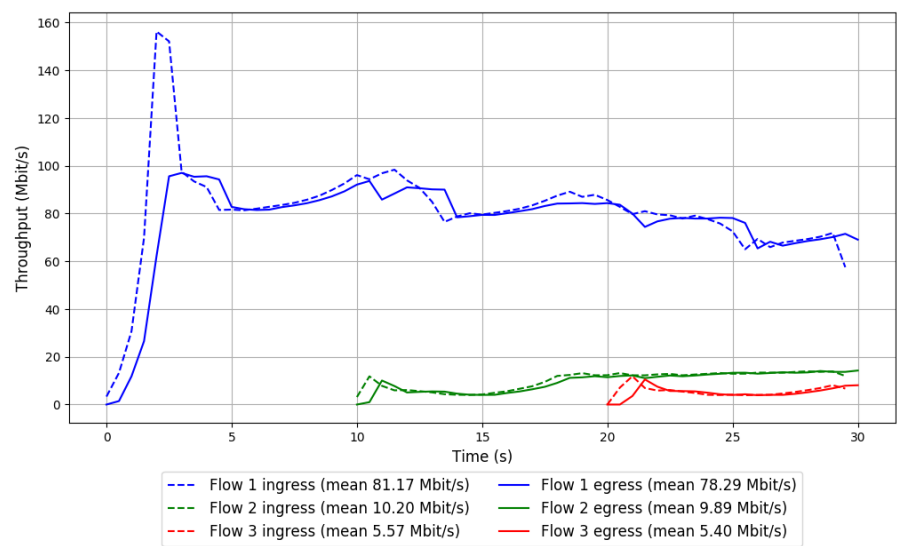
-- Flow 3:

Average throughput: 5.40 Mbit/s

95th percentile per-packet one-way delay: 114.211 ms

Loss rate: 3.39%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-17 18:49:15

End at: 2018-07-17 18:49:45

Local clock offset: 0.987 ms

Remote clock offset: 9.822 ms

Below is generated by plot.py at 2018-07-17 20:26:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.93 Mbit/s

95th percentile per-packet one-way delay: 120.289 ms

Loss rate: 3.89%

-- Flow 1:

Average throughput: 74.53 Mbit/s

95th percentile per-packet one-way delay: 120.278 ms

Loss rate: 3.98%

-- Flow 2:

Average throughput: 15.47 Mbit/s

95th percentile per-packet one-way delay: 120.354 ms

Loss rate: 3.14%

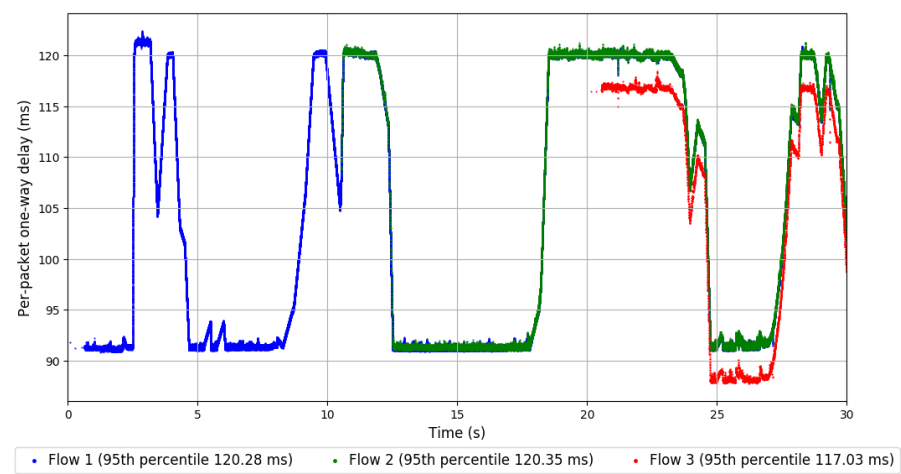
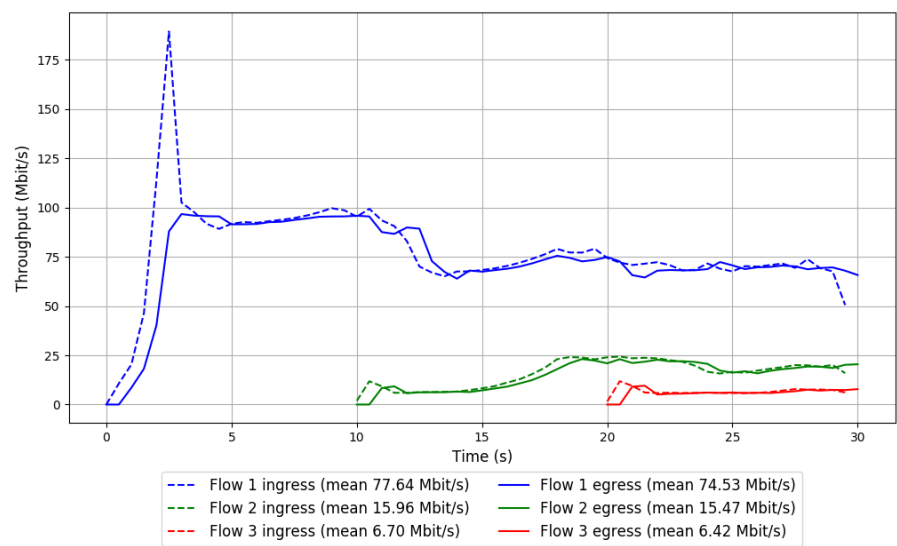
-- Flow 3:

Average throughput: 6.42 Mbit/s

95th percentile per-packet one-way delay: 117.028 ms

Loss rate: 4.28%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-17 19:10:30

End at: 2018-07-17 19:11:00

Local clock offset: -0.046 ms

Remote clock offset: 9.884 ms

Below is generated by plot.py at 2018-07-17 20:26:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.13 Mbit/s

95th percentile per-packet one-way delay: 115.511 ms

Loss rate: 3.50%

-- Flow 1:

Average throughput: 75.06 Mbit/s

95th percentile per-packet one-way delay: 115.531 ms

Loss rate: 3.63%

-- Flow 2:

Average throughput: 11.51 Mbit/s

95th percentile per-packet one-way delay: 113.706 ms

Loss rate: 2.74%

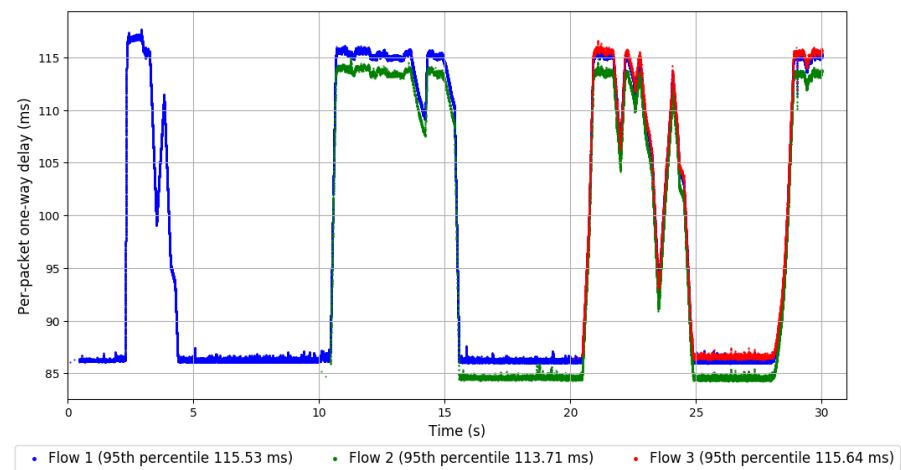
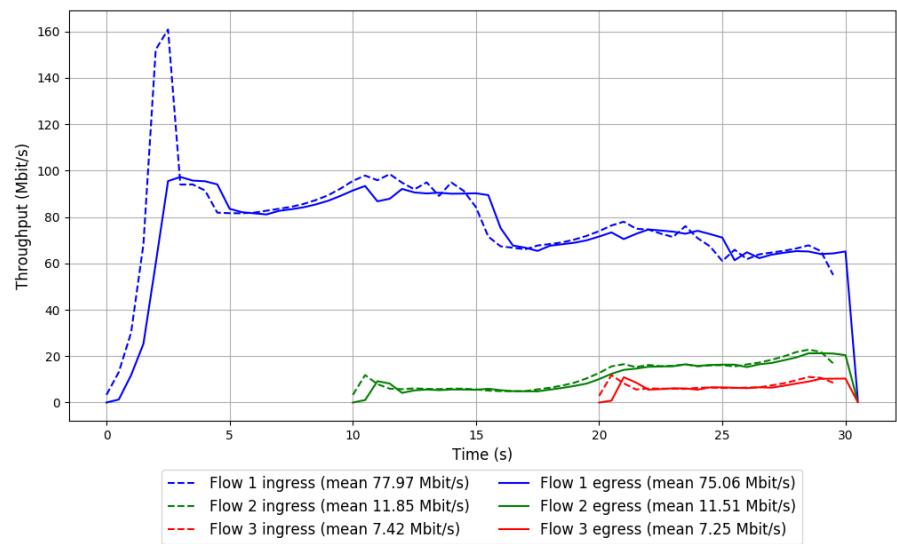
-- Flow 3:

Average throughput: 7.25 Mbit/s

95th percentile per-packet one-way delay: 115.638 ms

Loss rate: 1.97%

Run 8: Report of PCC-Expr — Data Link

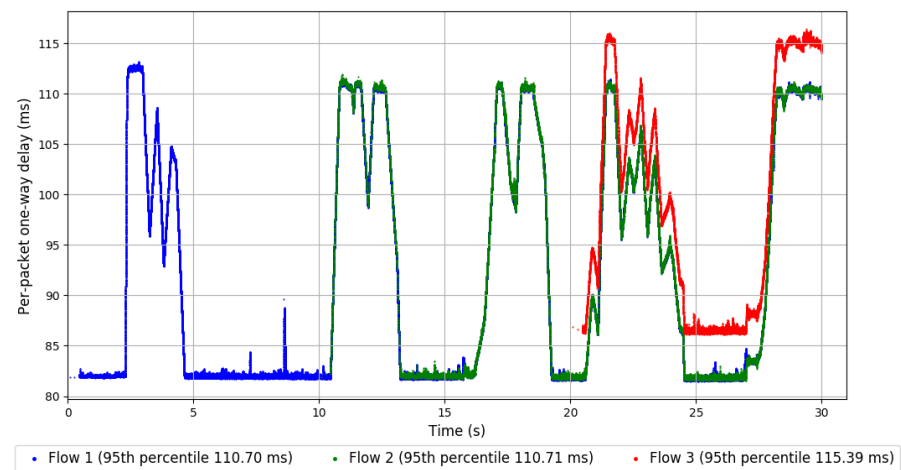
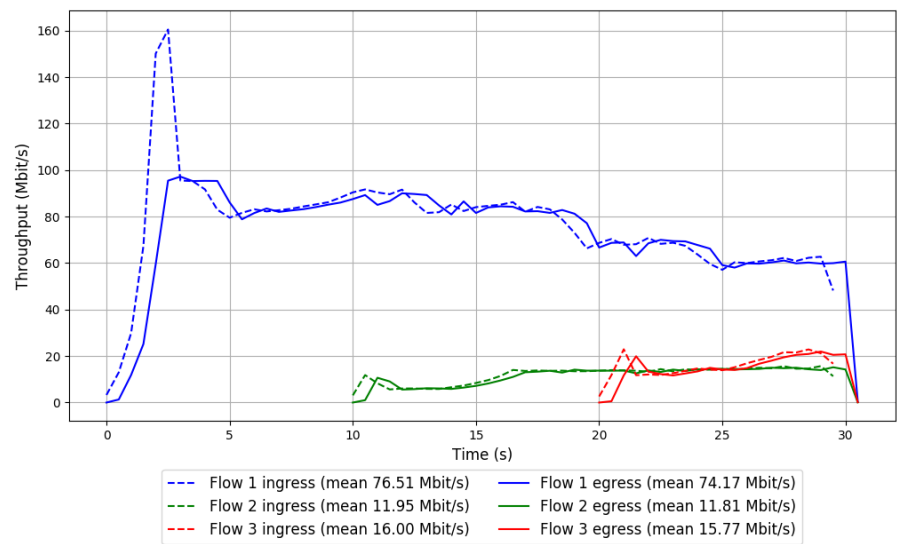


Run 9: Statistics of PCC-Expr

Start at: 2018-07-17 19:31:57
End at: 2018-07-17 19:32:27
Local clock offset: -3.323 ms
Remote clock offset: 12.171 ms

Below is generated by plot.py at 2018-07-17 20:27:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 110.876 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 74.17 Mbit/s
95th percentile per-packet one-way delay: 110.702 ms
Loss rate: 2.96%
-- Flow 2:
Average throughput: 11.81 Mbit/s
95th percentile per-packet one-way delay: 110.711 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 15.77 Mbit/s
95th percentile per-packet one-way delay: 115.389 ms
Loss rate: 1.23%

Run 9: Report of PCC-Expr — Data Link

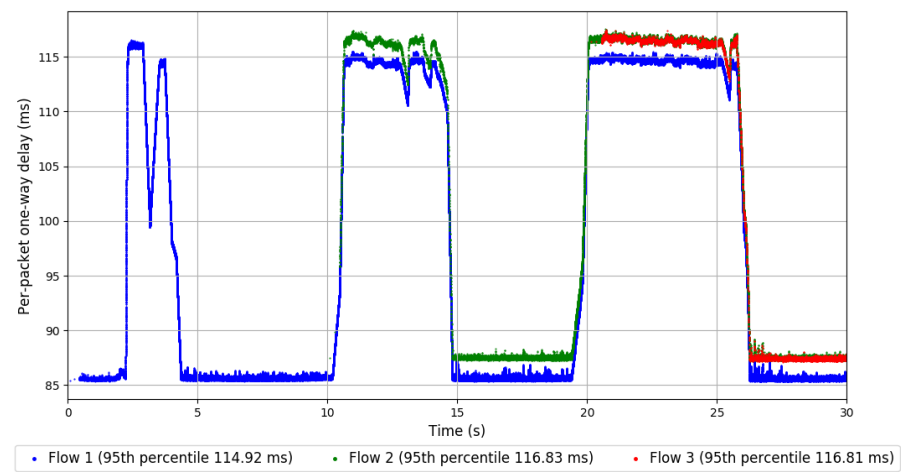
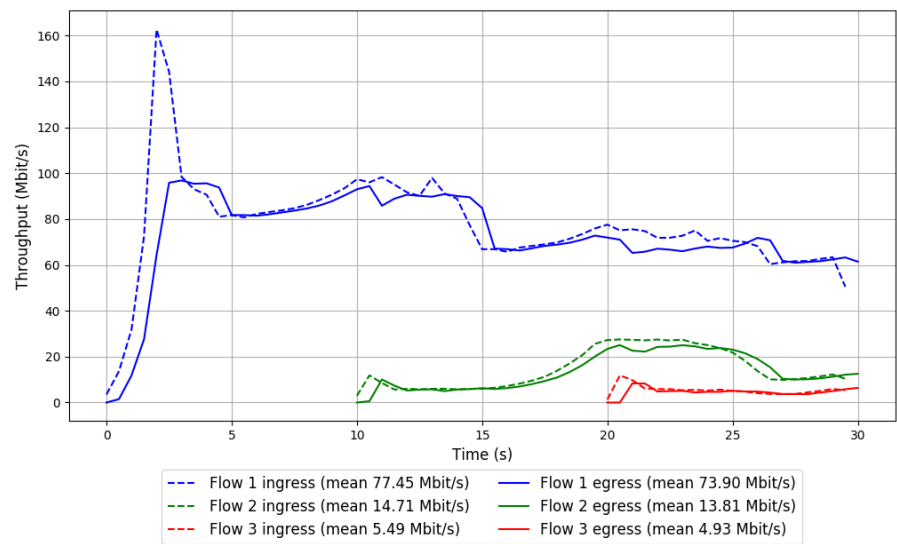


Run 10: Statistics of PCC-Expr

Start at: 2018-07-17 19:53:11
End at: 2018-07-17 19:53:41
Local clock offset: -14.996 ms
Remote clock offset: 14.045 ms

Below is generated by plot.py at 2018-07-17 20:27:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.71 Mbit/s
95th percentile per-packet one-way delay: 116.264 ms
Loss rate: 4.87%
-- Flow 1:
Average throughput: 73.90 Mbit/s
95th percentile per-packet one-way delay: 114.918 ms
Loss rate: 4.58%
-- Flow 2:
Average throughput: 13.81 Mbit/s
95th percentile per-packet one-way delay: 116.834 ms
Loss rate: 6.11%
-- Flow 3:
Average throughput: 4.93 Mbit/s
95th percentile per-packet one-way delay: 116.812 ms
Loss rate: 10.42%

Run 10: Report of PCC-Expr — Data Link

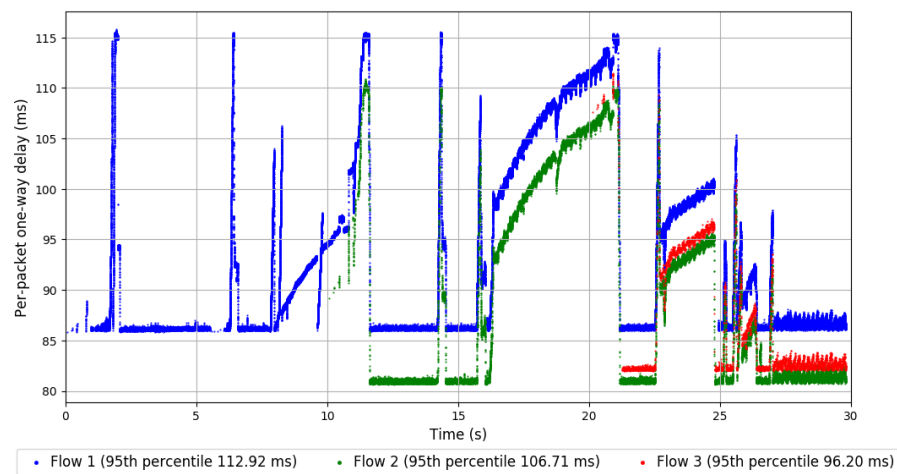
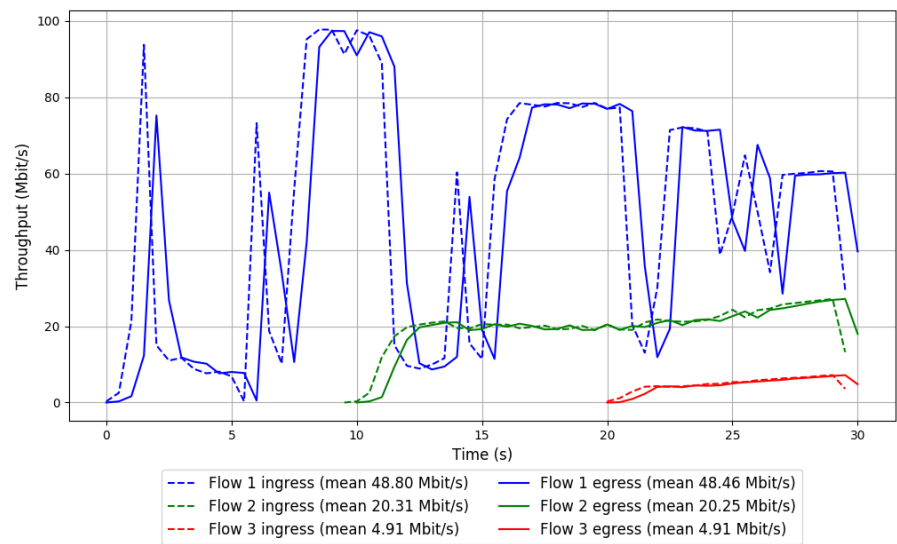


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-17 16:36:37
End at: 2018-07-17 16:37:07
Local clock offset: -6.278 ms
Remote clock offset: -3.261 ms

Below is generated by plot.py at 2018-07-17 20:27:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.50 Mbit/s
95th percentile per-packet one-way delay: 112.267 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 48.46 Mbit/s
95th percentile per-packet one-way delay: 112.923 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 20.25 Mbit/s
95th percentile per-packet one-way delay: 106.711 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 4.91 Mbit/s
95th percentile per-packet one-way delay: 96.200 ms
Loss rate: 0.36%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-17 16:57:54

End at: 2018-07-17 16:58:24

Local clock offset: -9.432 ms

Remote clock offset: 1.38 ms

Below is generated by plot.py at 2018-07-17 20:27:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.10 Mbit/s

95th percentile per-packet one-way delay: 115.940 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 42.42 Mbit/s

95th percentile per-packet one-way delay: 116.826 ms

Loss rate: 1.02%

-- Flow 2:

Average throughput: 20.09 Mbit/s

95th percentile per-packet one-way delay: 108.738 ms

Loss rate: 0.45%

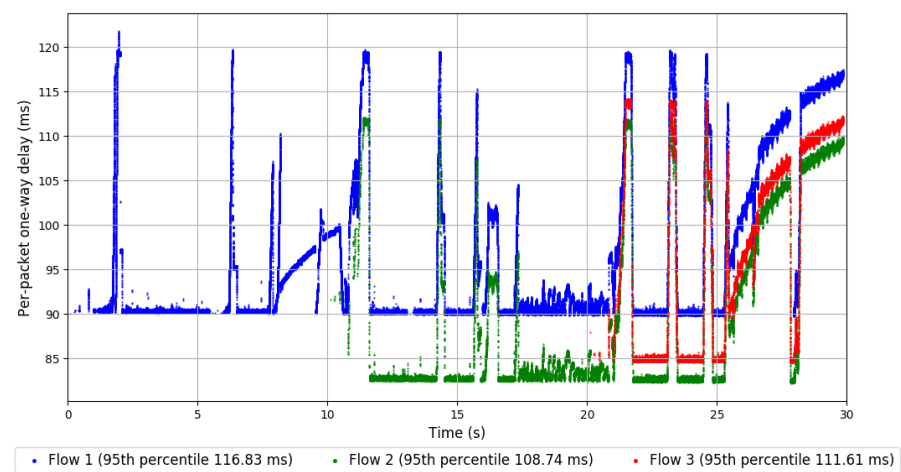
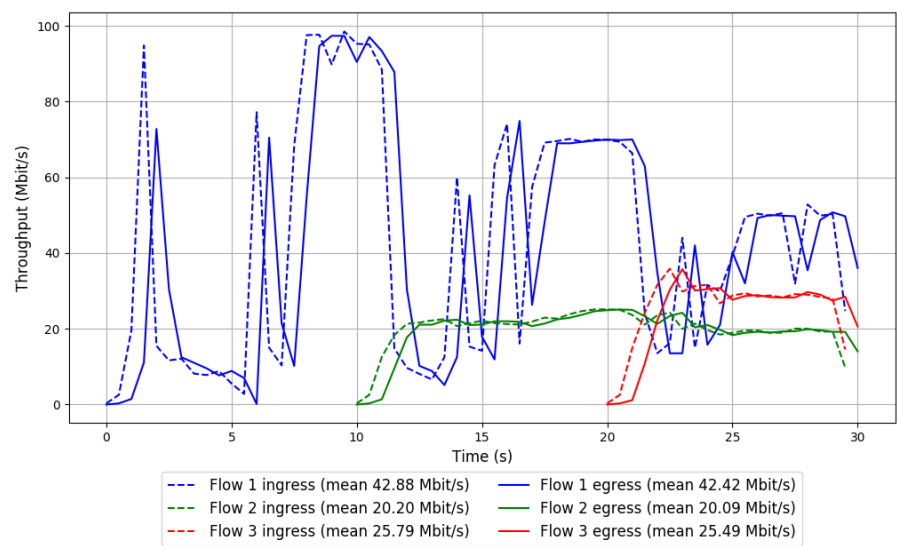
-- Flow 3:

Average throughput: 25.49 Mbit/s

95th percentile per-packet one-way delay: 111.607 ms

Loss rate: 0.93%

Run 2: Report of QUIC Cubic — Data Link

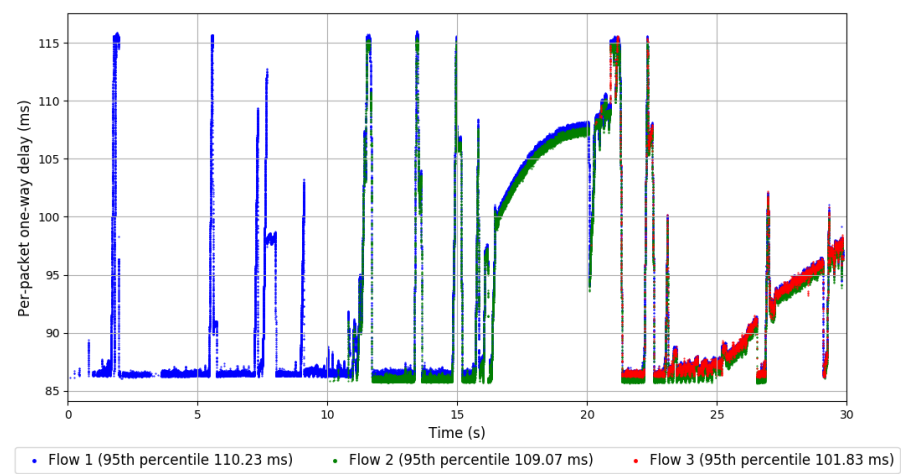
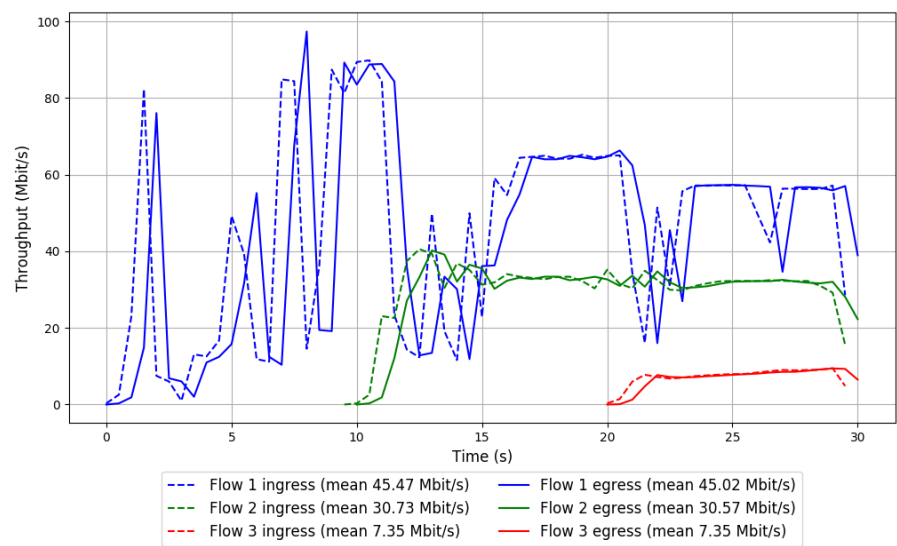


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-17 17:19:06
End at: 2018-07-17 17:19:36
Local clock offset: -14.131 ms
Remote clock offset: 7.276 ms

Below is generated by plot.py at 2018-07-17 20:27:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.73 Mbit/s
95th percentile per-packet one-way delay: 109.681 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 45.02 Mbit/s
95th percentile per-packet one-way delay: 110.228 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 30.57 Mbit/s
95th percentile per-packet one-way delay: 109.067 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 7.35 Mbit/s
95th percentile per-packet one-way delay: 101.828 ms
Loss rate: 0.05%

Run 3: Report of QUIC Cubic — Data Link

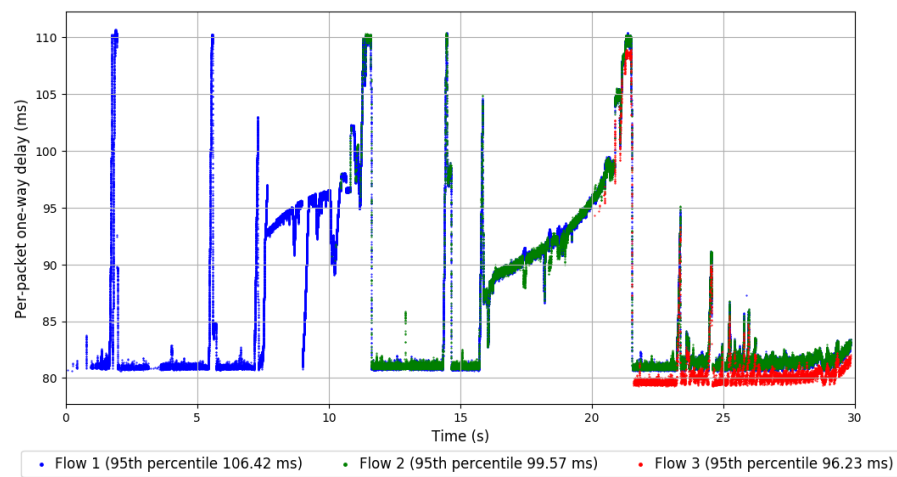
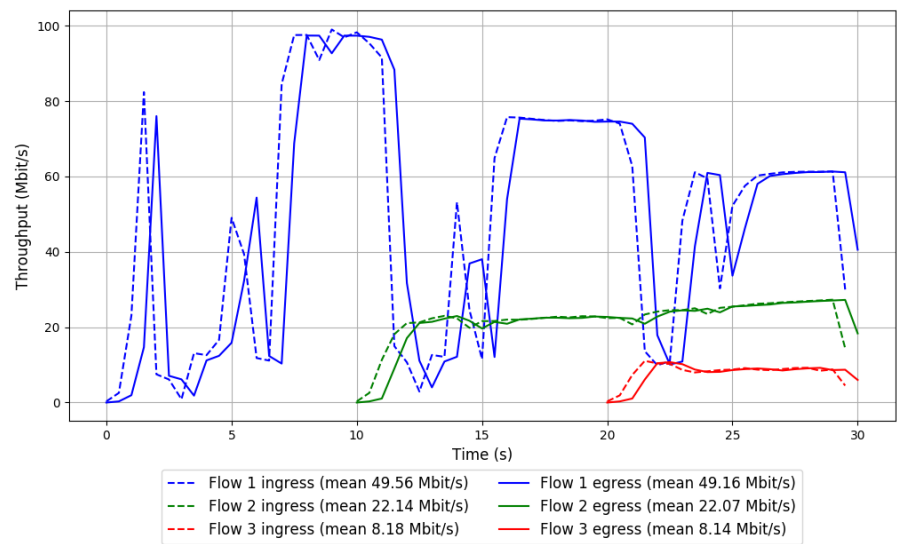


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-17 17:40:22
End at: 2018-07-17 17:40:52
Local clock offset: -16.642 ms
Remote clock offset: 11.181 ms

Below is generated by plot.py at 2018-07-17 20:27:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.45 Mbit/s
95th percentile per-packet one-way delay: 104.956 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 49.16 Mbit/s
95th percentile per-packet one-way delay: 106.417 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 22.07 Mbit/s
95th percentile per-packet one-way delay: 99.571 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 8.14 Mbit/s
95th percentile per-packet one-way delay: 96.230 ms
Loss rate: 0.57%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-17 18:01:43

End at: 2018-07-17 18:02:13

Local clock offset: -8.539 ms

Remote clock offset: 18.8 ms

Below is generated by plot.py at 2018-07-17 20:27:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.85 Mbit/s

95th percentile per-packet one-way delay: 111.792 ms

Loss rate: 2.19%

-- Flow 1:

Average throughput: 32.64 Mbit/s

95th percentile per-packet one-way delay: 110.198 ms

Loss rate: 1.39%

-- Flow 2:

Average throughput: 29.98 Mbit/s

95th percentile per-packet one-way delay: 113.982 ms

Loss rate: 3.85%

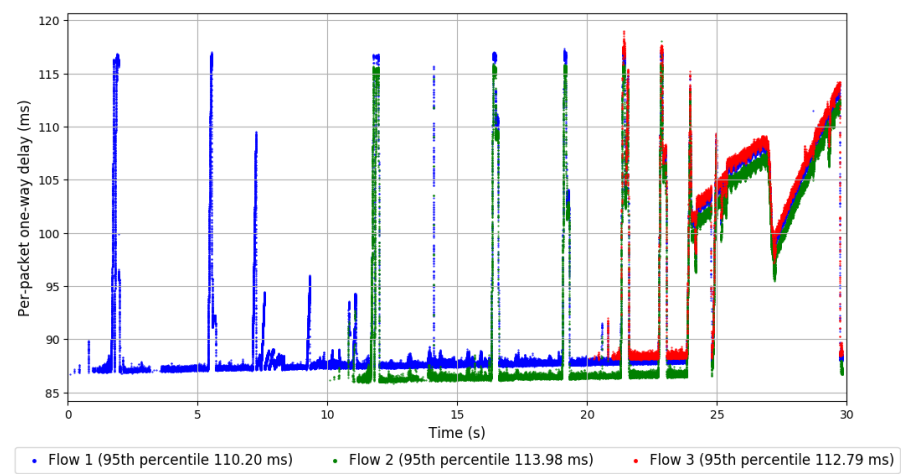
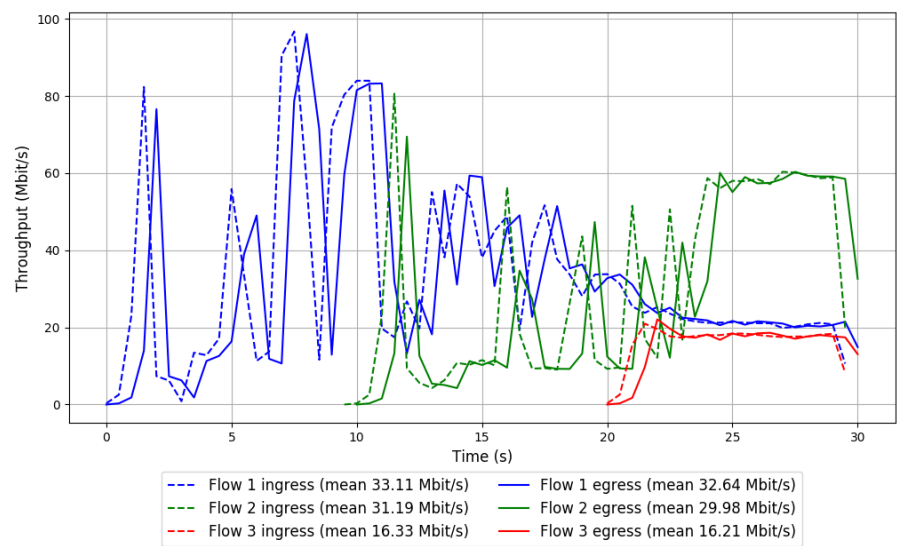
-- Flow 3:

Average throughput: 16.21 Mbit/s

95th percentile per-packet one-way delay: 112.790 ms

Loss rate: 0.70%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-17 18:22:59

End at: 2018-07-17 18:23:29

Local clock offset: 2.766 ms

Remote clock offset: 3.428 ms

Below is generated by plot.py at 2018-07-17 20:27:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.95 Mbit/s

95th percentile per-packet one-way delay: 108.014 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 44.76 Mbit/s

95th percentile per-packet one-way delay: 106.913 ms

Loss rate: 0.94%

-- Flow 2:

Average throughput: 22.62 Mbit/s

95th percentile per-packet one-way delay: 108.604 ms

Loss rate: 0.67%

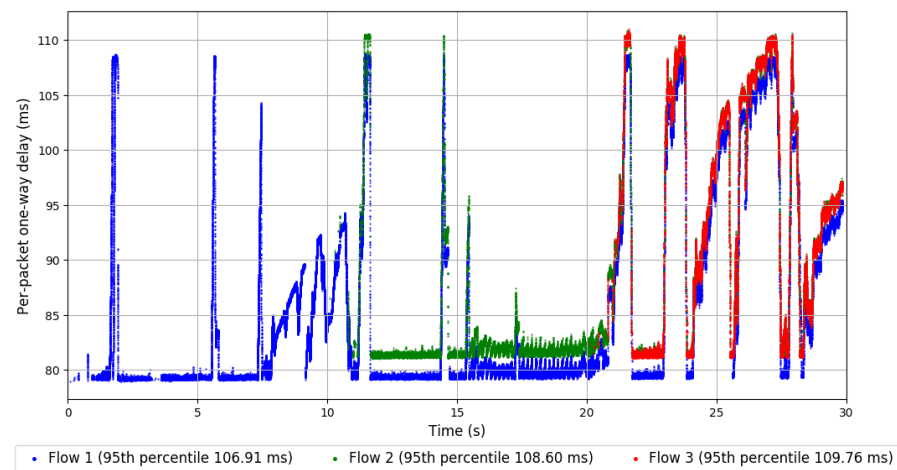
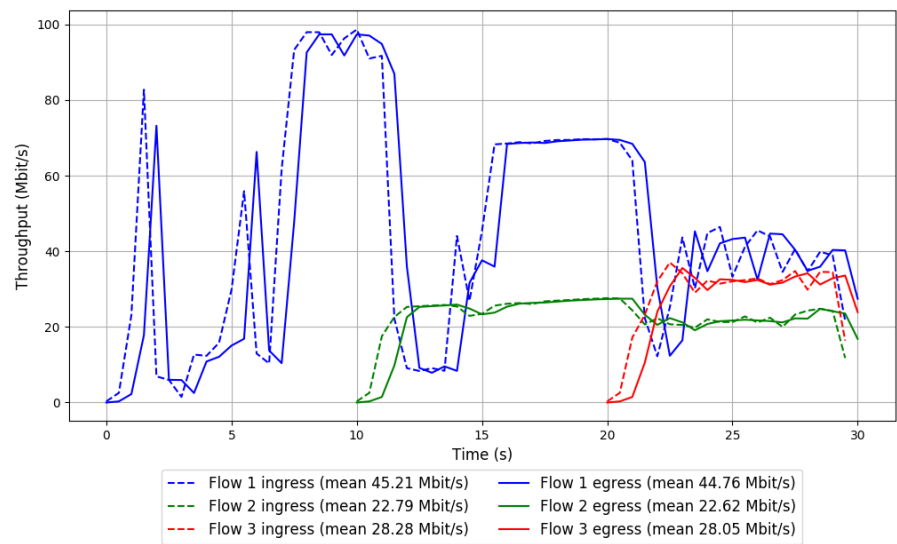
-- Flow 3:

Average throughput: 28.05 Mbit/s

95th percentile per-packet one-way delay: 109.756 ms

Loss rate: 0.65%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-17 18:44:20

End at: 2018-07-17 18:44:50

Local clock offset: 0.672 ms

Remote clock offset: 9.631 ms

Below is generated by plot.py at 2018-07-17 20:27:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.54 Mbit/s

95th percentile per-packet one-way delay: 119.584 ms

Loss rate: 1.36%

-- Flow 1:

Average throughput: 37.52 Mbit/s

95th percentile per-packet one-way delay: 121.464 ms

Loss rate: 1.63%

-- Flow 2:

Average throughput: 27.65 Mbit/s

95th percentile per-packet one-way delay: 115.201 ms

Loss rate: 0.97%

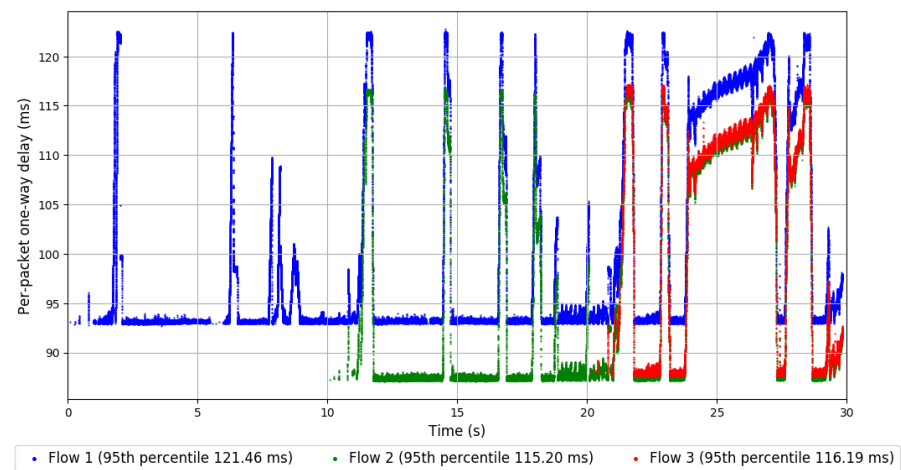
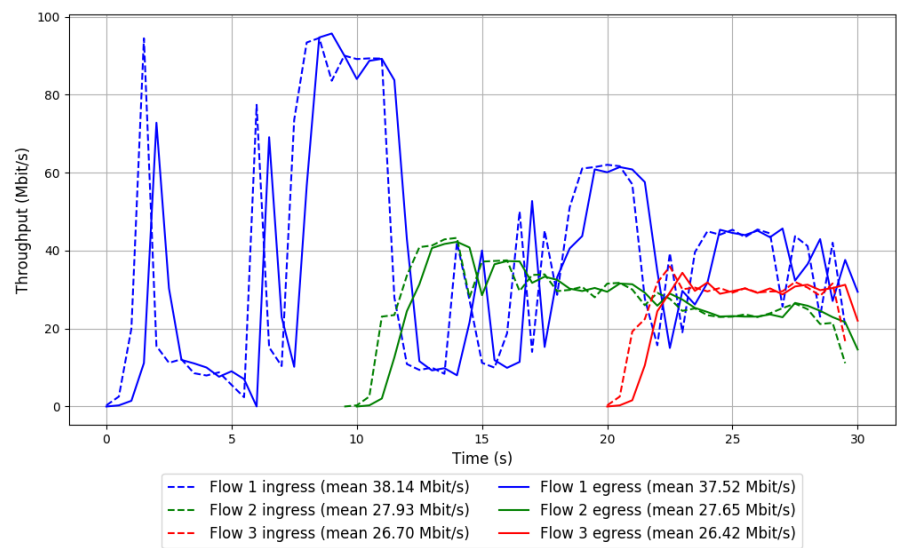
-- Flow 3:

Average throughput: 26.42 Mbit/s

95th percentile per-packet one-way delay: 116.195 ms

Loss rate: 1.01%

Run 7: Report of QUIC Cubic — Data Link

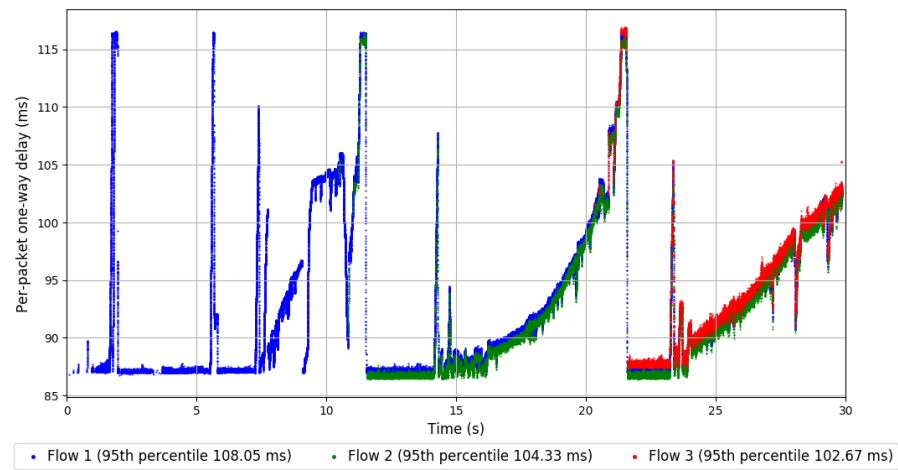
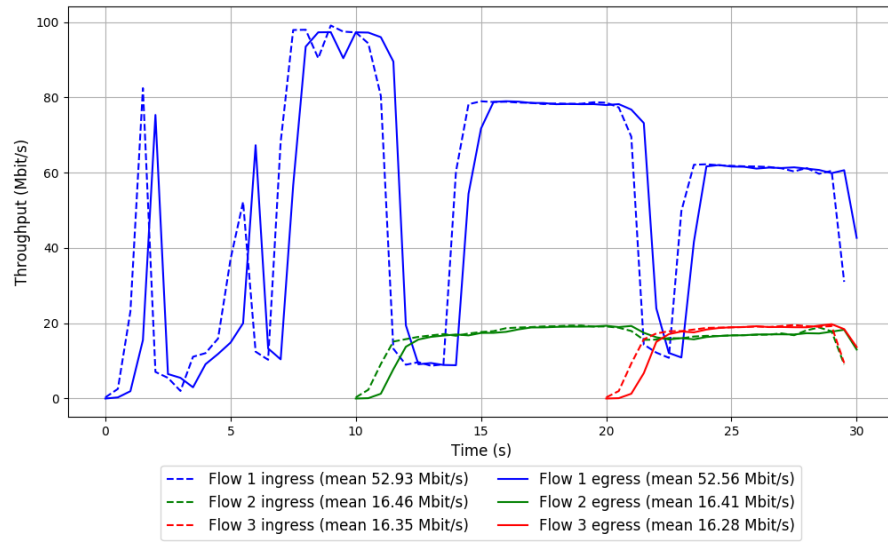


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-17 19:05:34
End at: 2018-07-17 19:06:04
Local clock offset: 0.053 ms
Remote clock offset: 10.035 ms

Below is generated by plot.py at 2018-07-17 20:27:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.76 Mbit/s
95th percentile per-packet one-way delay: 107.737 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 52.56 Mbit/s
95th percentile per-packet one-way delay: 108.053 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 16.41 Mbit/s
95th percentile per-packet one-way delay: 104.331 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 16.28 Mbit/s
95th percentile per-packet one-way delay: 102.675 ms
Loss rate: 0.37%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-17 19:27:01

End at: 2018-07-17 19:27:31

Local clock offset: 14.926 ms

Remote clock offset: 7.851 ms

Below is generated by plot.py at 2018-07-17 20:27:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.65 Mbit/s

95th percentile per-packet one-way delay: 87.009 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 54.09 Mbit/s

95th percentile per-packet one-way delay: 87.257 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 18.99 Mbit/s

95th percentile per-packet one-way delay: 84.665 ms

Loss rate: 0.21%

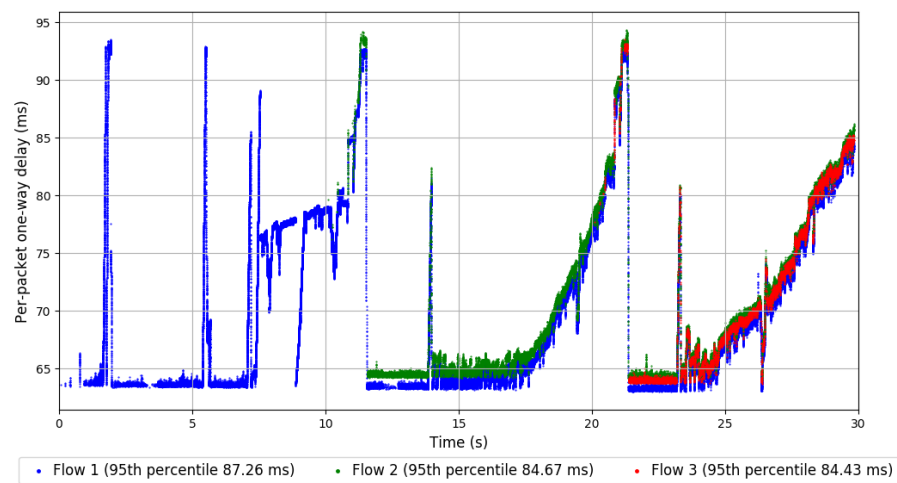
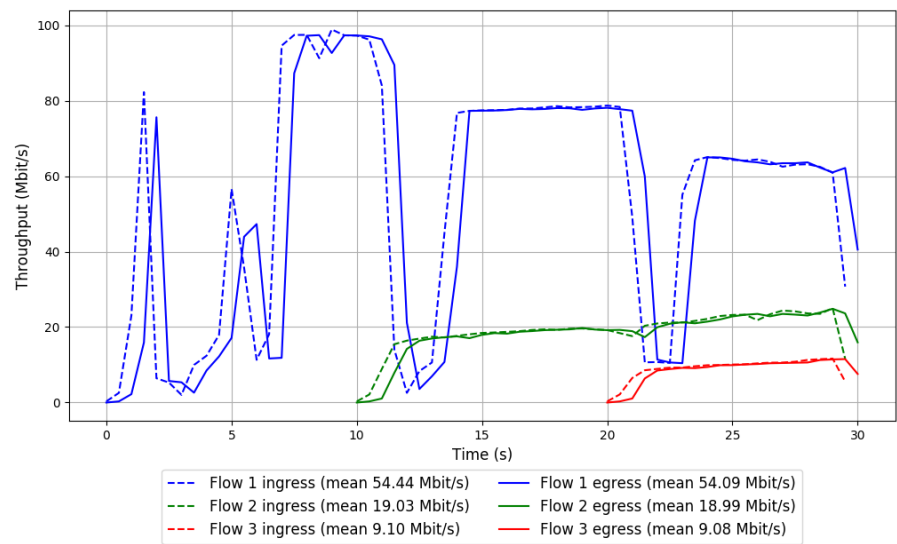
-- Flow 3:

Average throughput: 9.08 Mbit/s

95th percentile per-packet one-way delay: 84.429 ms

Loss rate: 0.15%

Run 9: Report of QUIC Cubic — Data Link

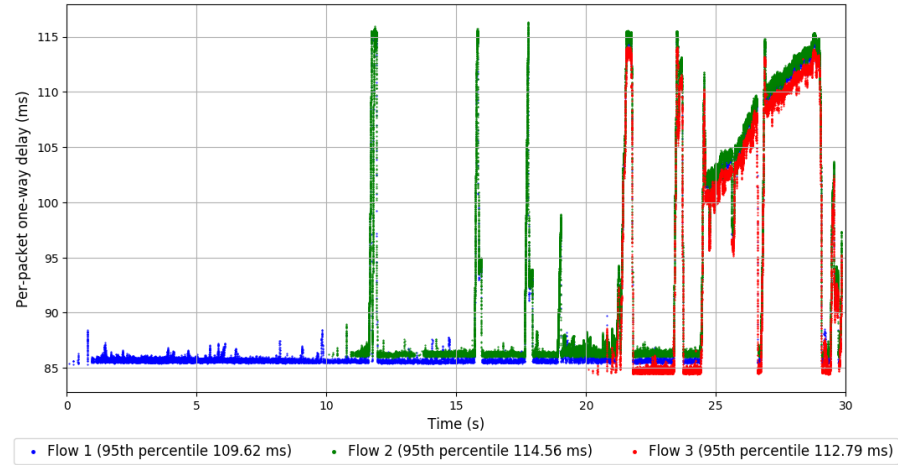
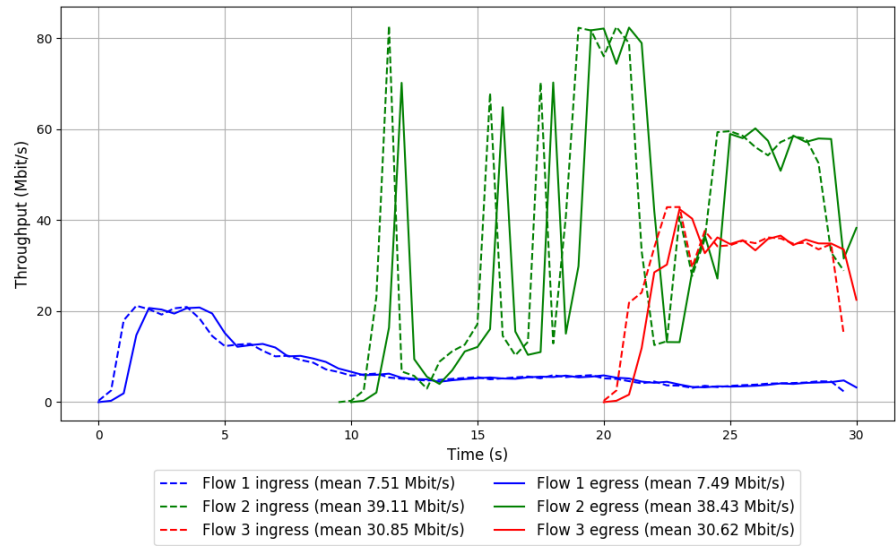


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-17 19:48:17
End at: 2018-07-17 19:48:47
Local clock offset: -14.088 ms
Remote clock offset: 13.266 ms

Below is generated by plot.py at 2018-07-17 20:27:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.04 Mbit/s
95th percentile per-packet one-way delay: 113.635 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 7.49 Mbit/s
95th percentile per-packet one-way delay: 109.620 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 38.43 Mbit/s
95th percentile per-packet one-way delay: 114.564 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 30.62 Mbit/s
95th percentile per-packet one-way delay: 112.789 ms
Loss rate: 0.63%

Run 10: Report of QUIC Cubic — Data Link

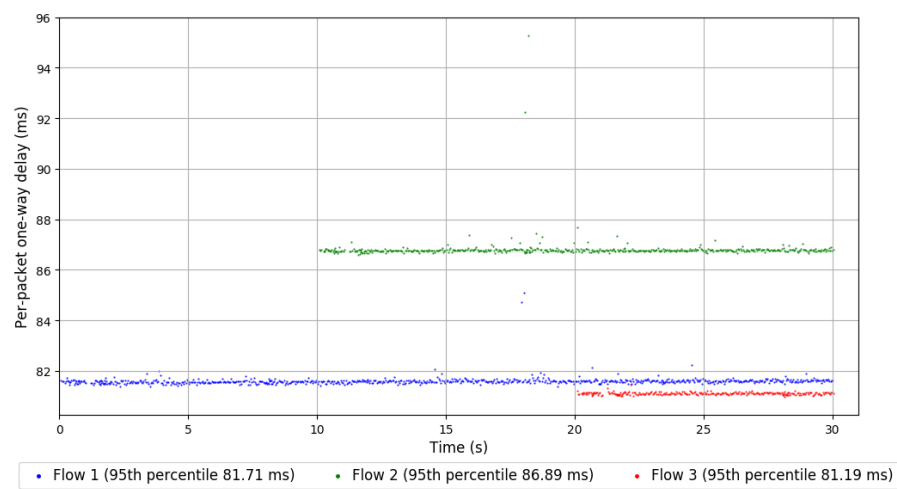
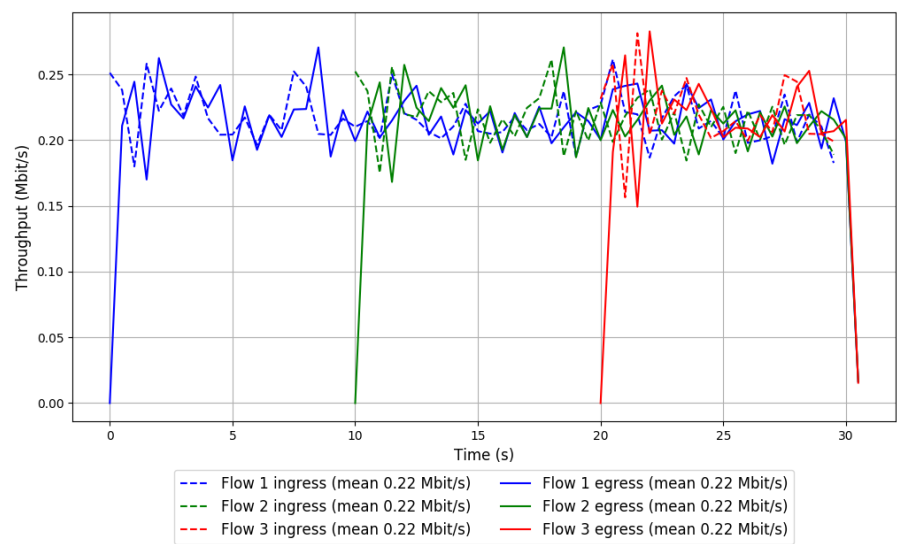


```
Run 1: Statistics of SReAM

Start at: 2018-07-17 16:45:15
End at: 2018-07-17 16:45:45
Local clock offset: -7.429 ms
Remote clock offset: -6.48 ms

# Below is generated by plot.py at 2018-07-17 20:27:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.706 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.887 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.187 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link

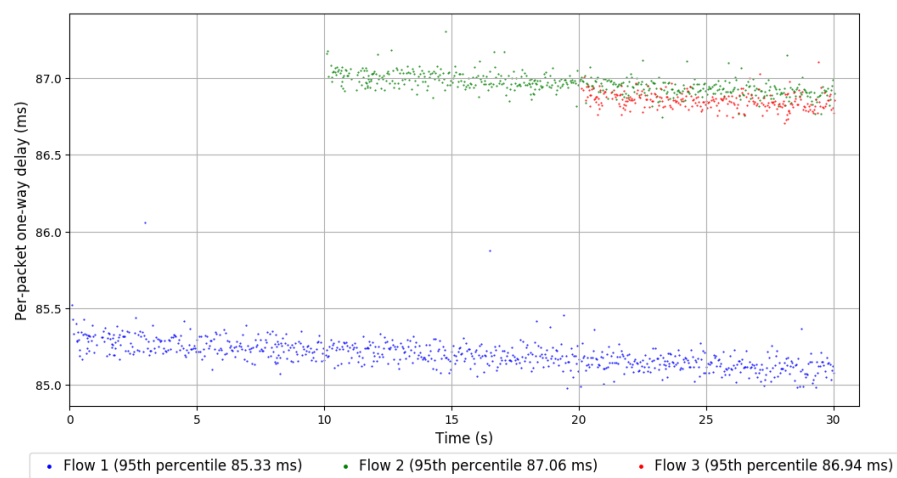
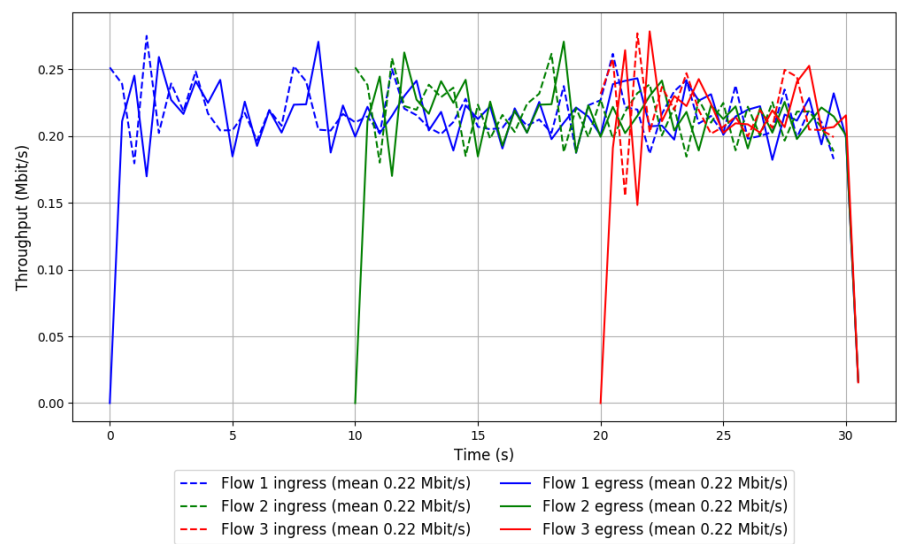


Run 2: Statistics of SReAM

Start at: 2018-07-17 17:06:32
End at: 2018-07-17 17:07:02
Local clock offset: -12.096 ms
Remote clock offset: 6.901 ms

Below is generated by plot.py at 2018-07-17 20:27:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 87.030 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.334 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.064 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.945 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

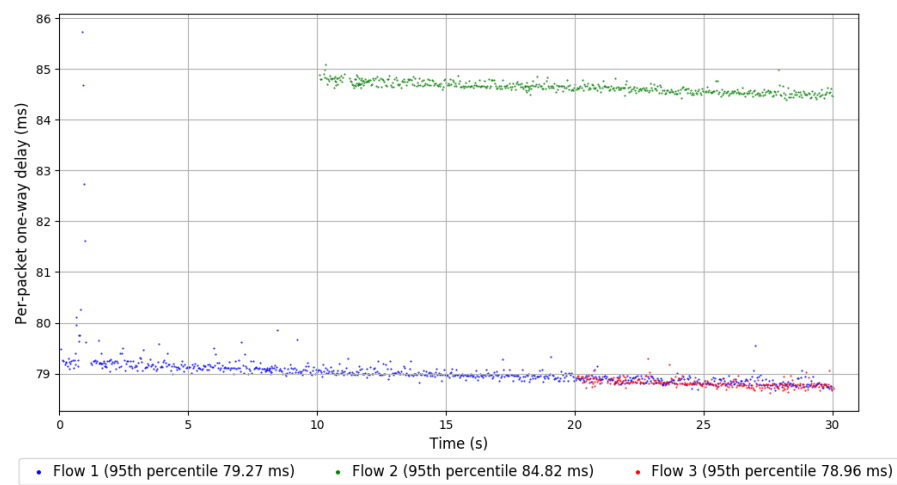
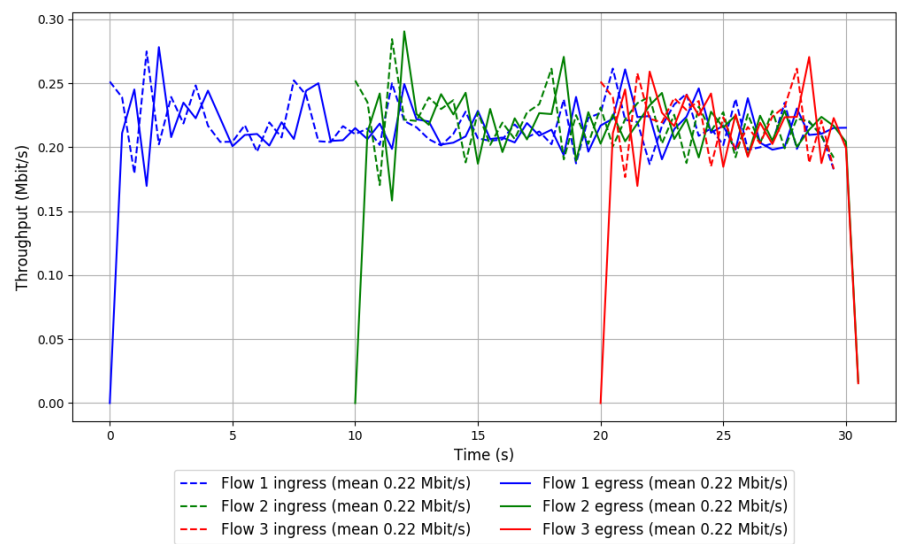


Run 3: Statistics of SReAM

Start at: 2018-07-17 17:27:45
End at: 2018-07-17 17:28:15
Local clock offset: -15.237 ms
Remote clock offset: 4.432 ms

Below is generated by plot.py at 2018-07-17 20:27:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 84.776 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.267 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.822 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.956 ms
Loss rate: 0.00%

Run 3: Report of SCRaM — Data Link

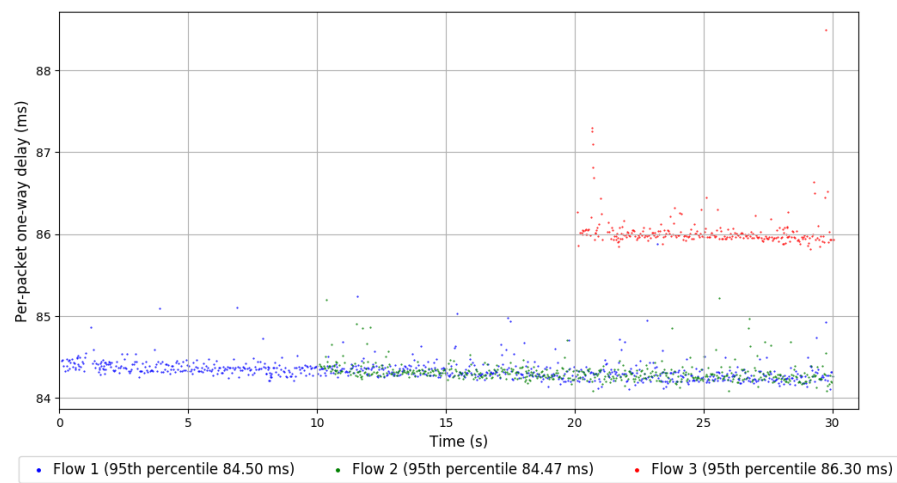
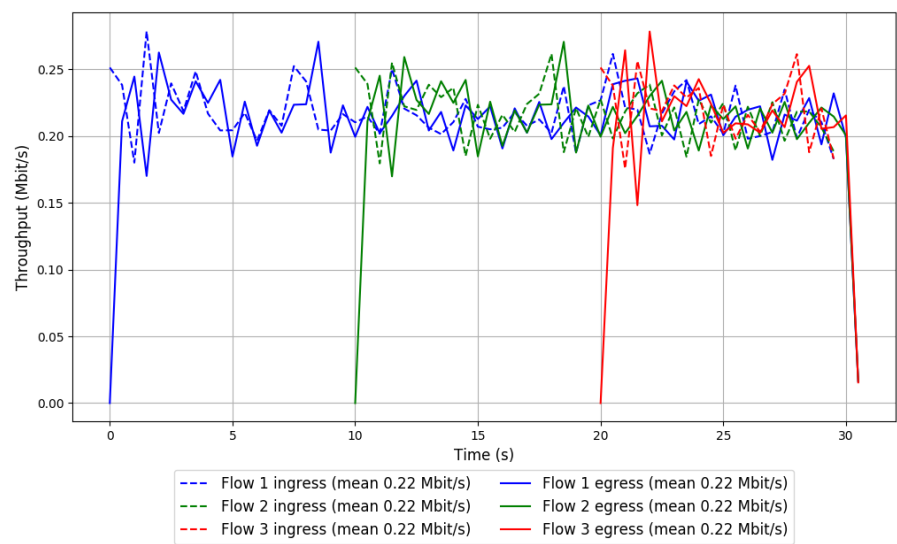


Run 4: Statistics of SReAM

Start at: 2018-07-17 17:49:04
End at: 2018-07-17 17:49:34
Local clock offset: -17.627 ms
Remote clock offset: 18.61 ms

Below is generated by plot.py at 2018-07-17 20:27:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.022 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.503 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.467 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.301 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

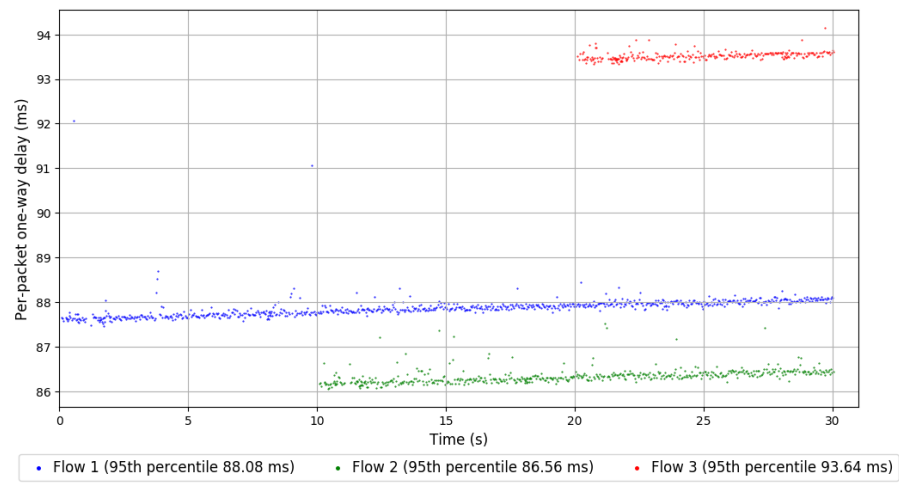
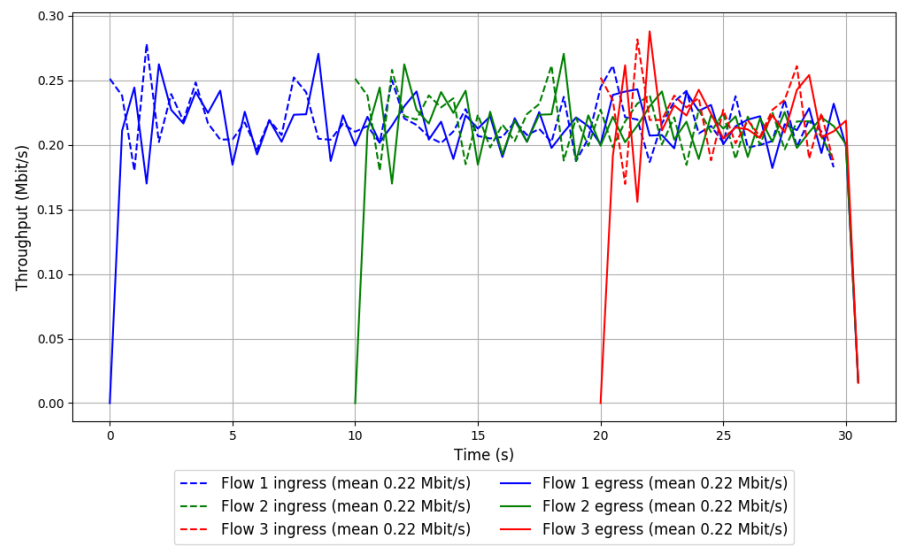


Run 5: Statistics of SReAM

Start at: 2018-07-17 18:10:24
End at: 2018-07-17 18:10:54
Local clock offset: -1.936 ms
Remote clock offset: 12.664 ms

Below is generated by plot.py at 2018-07-17 20:27:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 93.563 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.084 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.562 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 93.642 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

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

End at: 2018-07-17 18:32:09

Local clock offset: 1.202 ms

Remote clock offset: 4.098 ms

Below is generated by plot.py at 2018-07-17 20:27:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 83.467 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.637 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.574 ms

Loss rate: 0.00%

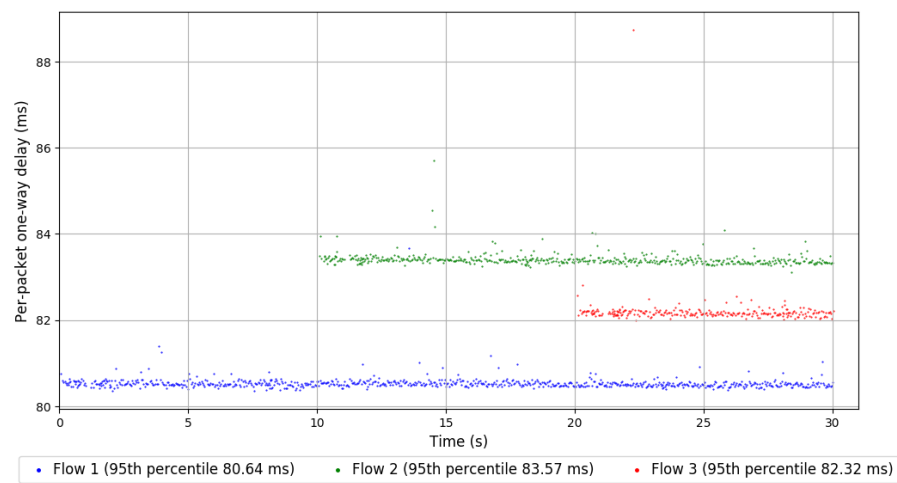
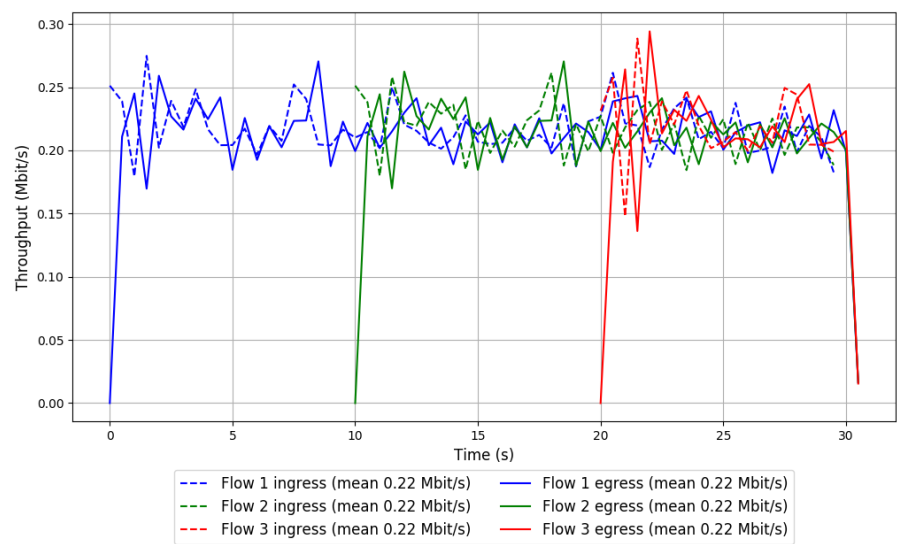
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.321 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-07-17 18:52:59

End at: 2018-07-17 18:53:29

Local clock offset: 1.399 ms

Remote clock offset: 4.892 ms

Below is generated by plot.py at 2018-07-17 20:27:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.290 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.683 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.656 ms

Loss rate: 0.00%

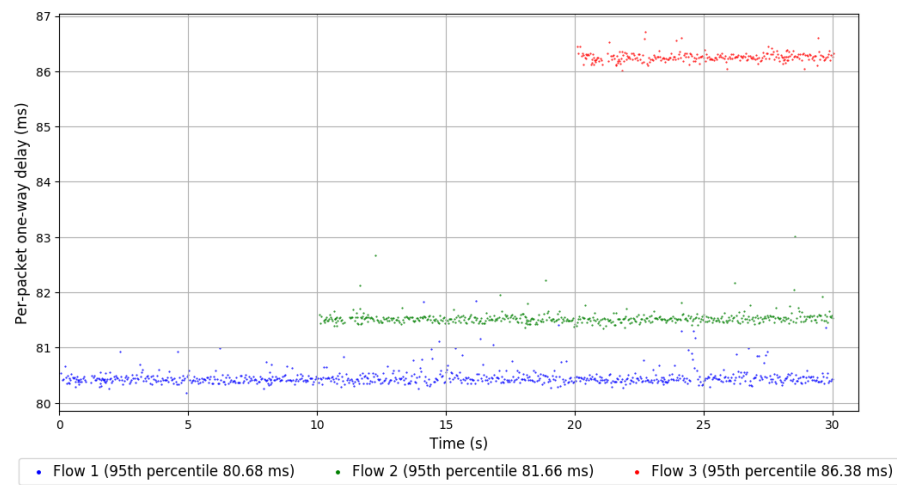
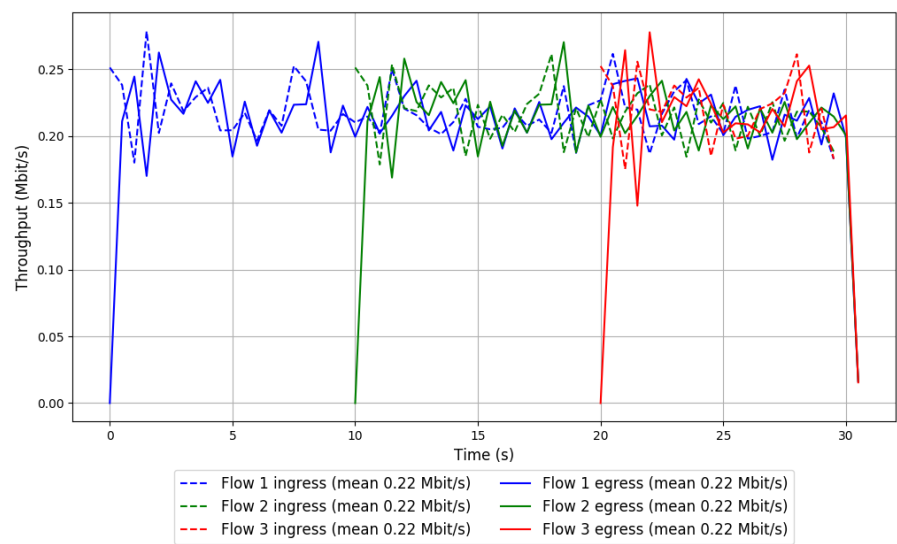
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.378 ms

Loss rate: 0.00%

Run 7: Report of SCSReAM — Data Link

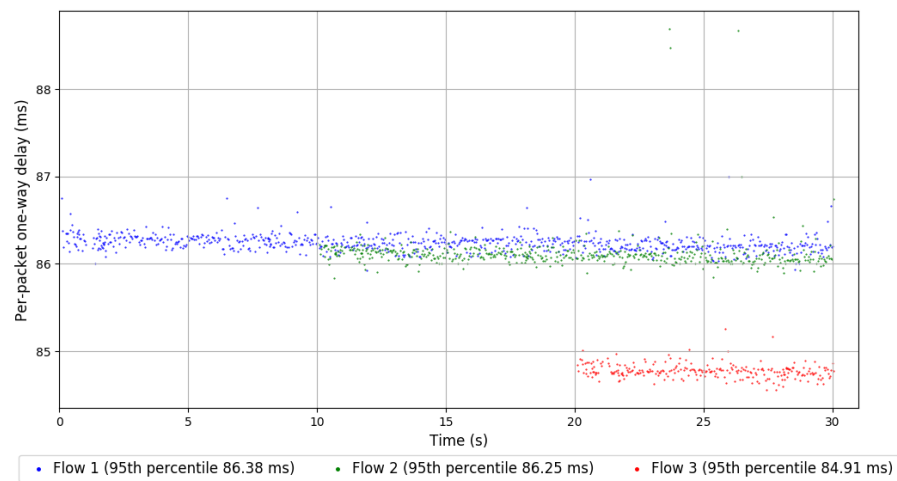
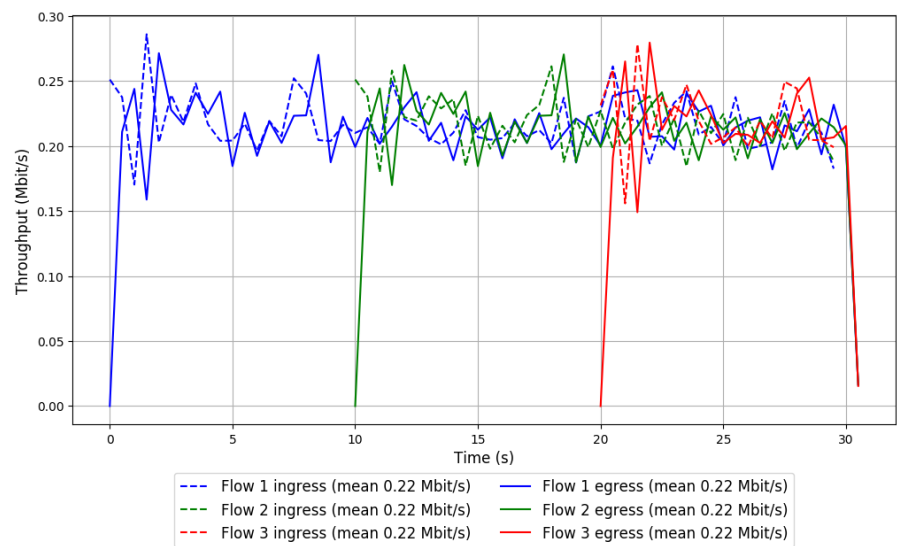


Run 8: Statistics of SReAM

Start at: 2018-07-17 19:14:15
End at: 2018-07-17 19:14:45
Local clock offset: -0.02 ms
Remote clock offset: 11.016 ms

Below is generated by plot.py at 2018-07-17 20:27:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.345 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.376 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.249 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.912 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

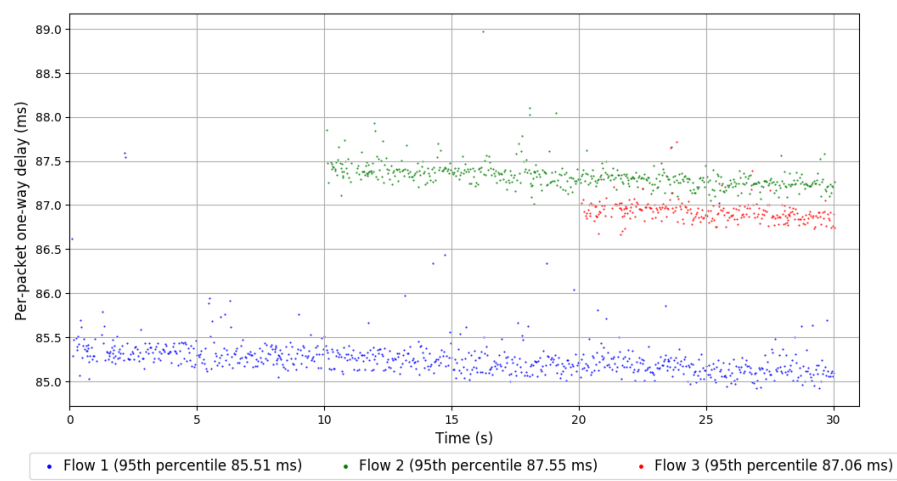
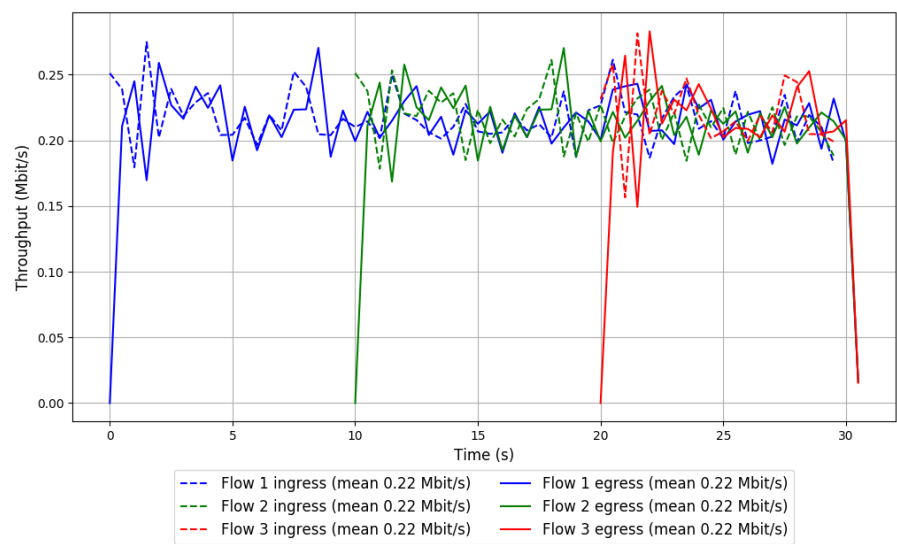


Run 9: Statistics of SReAM

Start at: 2018-07-17 19:35:41
End at: 2018-07-17 19:36:11
Local clock offset: -9.671 ms
Remote clock offset: 14.712 ms

Below is generated by plot.py at 2018-07-17 20:27:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 87.419 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.512 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.551 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.065 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

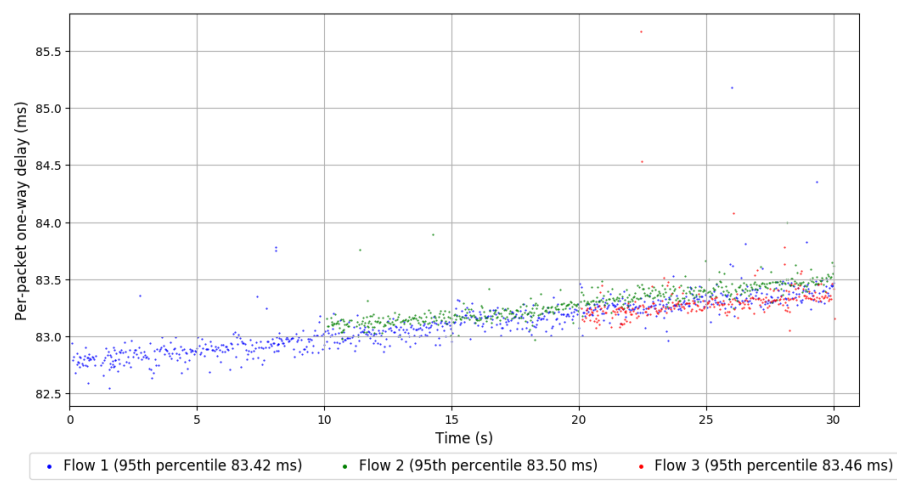
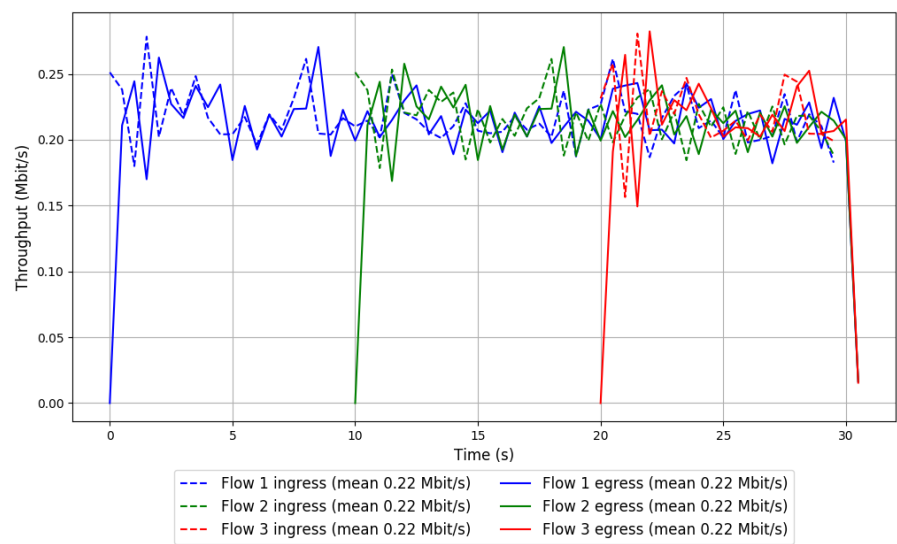


Run 10: Statistics of SReAM

Start at: 2018-07-17 19:56:55
End at: 2018-07-17 19:57:25
Local clock offset: -13.008 ms
Remote clock offset: 8.875 ms

Below is generated by plot.py at 2018-07-17 20:27:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 83.471 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.423 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.499 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.461 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

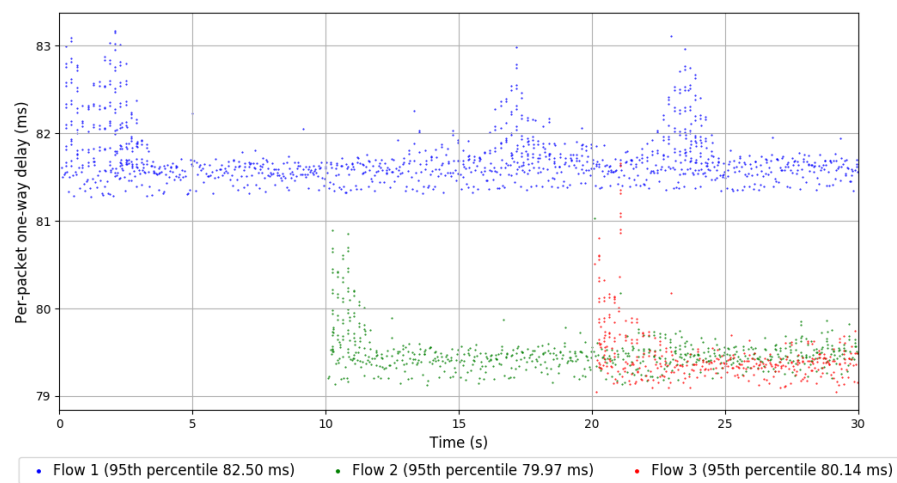
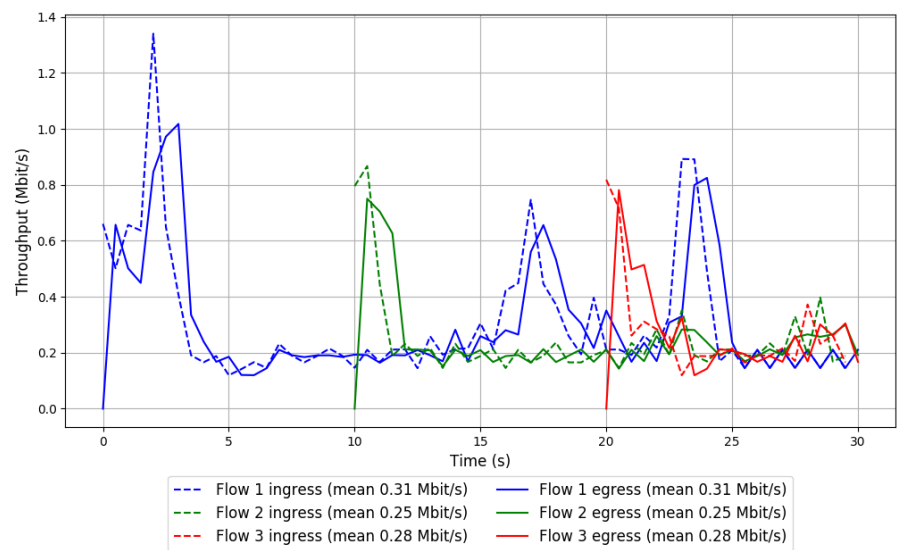


Run 1: Statistics of Sprout

Start at: 2018-07-17 16:40:20
End at: 2018-07-17 16:40:50
Local clock offset: -6.857 ms
Remote clock offset: -5.283 ms

Below is generated by plot.py at 2018-07-17 20:27:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 82.251 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 82.502 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 79.973 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 80.137 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

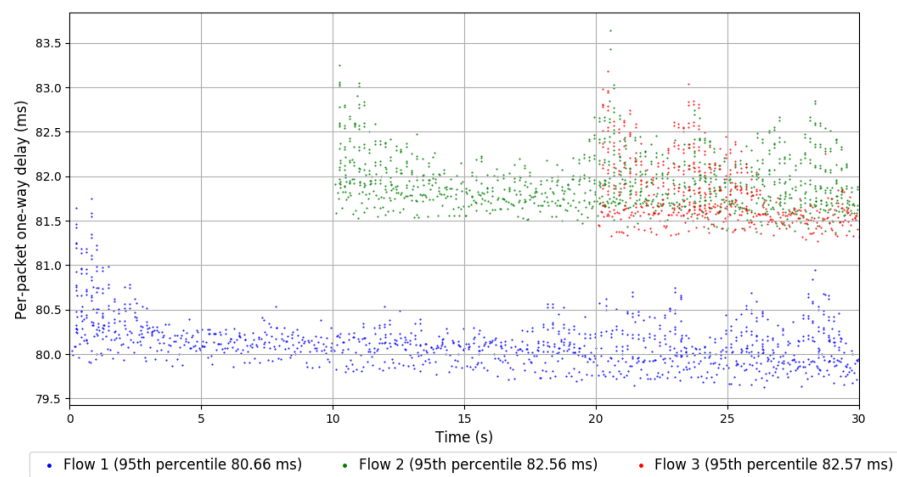
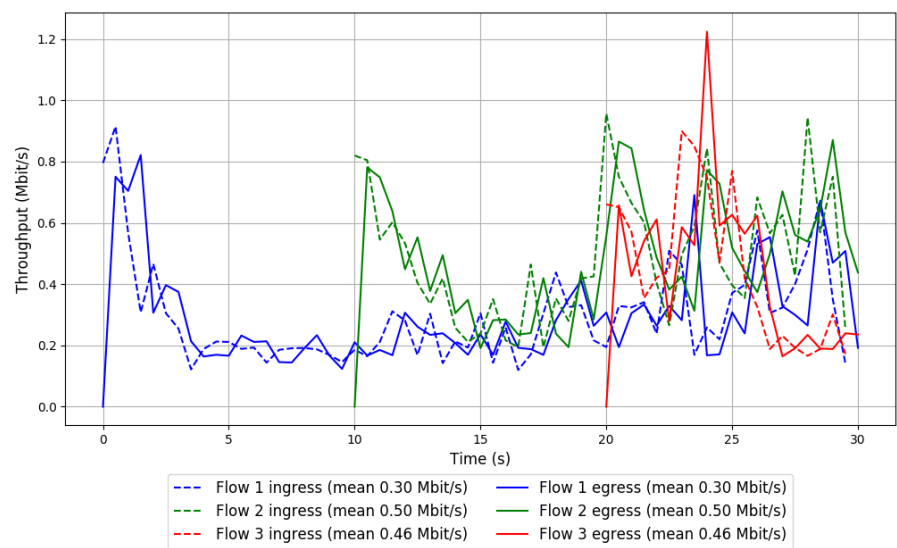


Run 2: Statistics of Sprout

Start at: 2018-07-17 17:01:37
End at: 2018-07-17 17:02:07
Local clock offset: -10.739 ms
Remote clock offset: 0.449 ms

Below is generated by plot.py at 2018-07-17 20:27:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 82.415 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 80.659 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 82.557 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 82.573 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

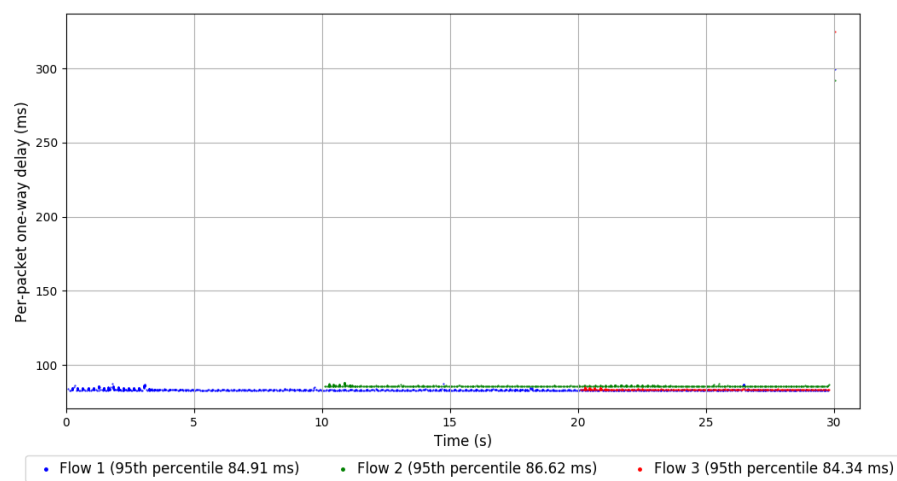
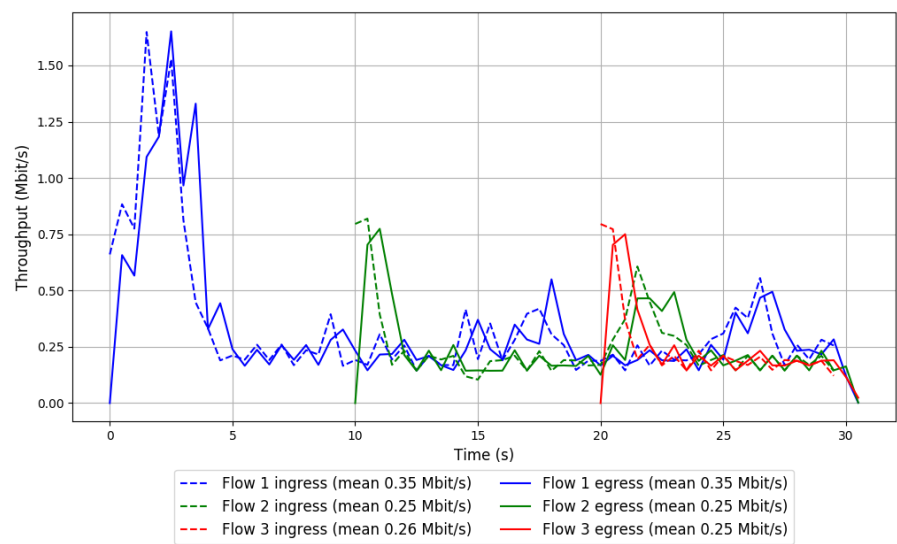


Run 3: Statistics of Sprout

Start at: 2018-07-17 17:22:50
End at: 2018-07-17 17:23:20
Local clock offset: -14.614 ms
Remote clock offset: 6.542 ms

```
# Below is generated by plot.py at 2018-07-17 20:27:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 86.216 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 84.908 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.624 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 84.342 ms
Loss rate: 0.09%
```


Run 3: Report of Sprout — Data Link

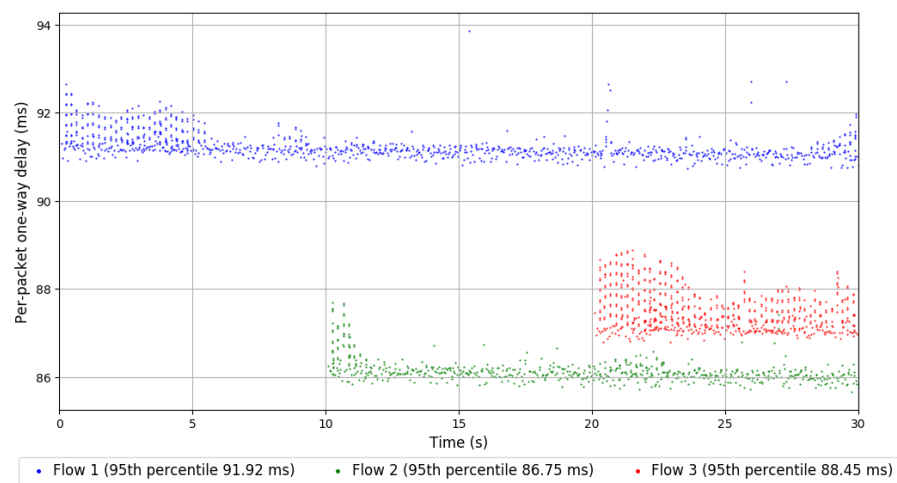
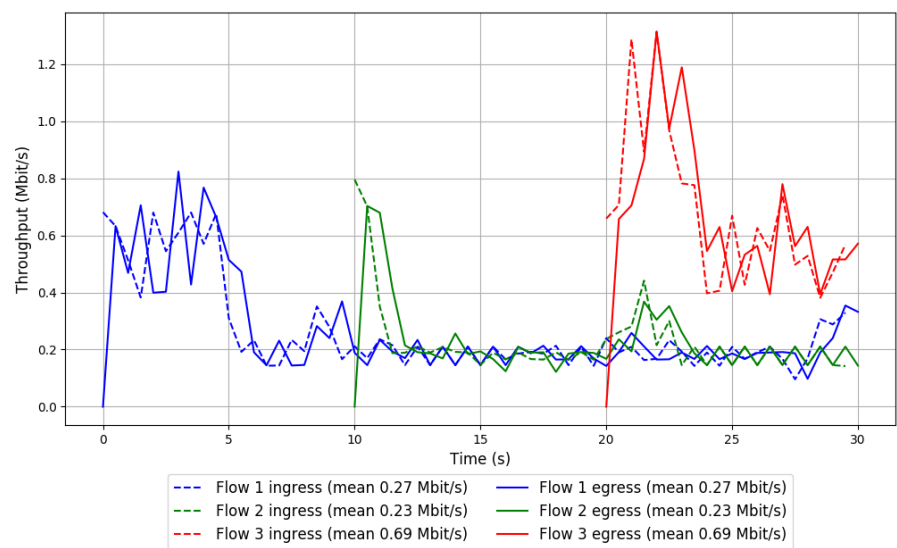


Run 4: Statistics of Sprout

Start at: 2018-07-17 17:44:08
End at: 2018-07-17 17:44:38
Local clock offset: -17.064 ms
Remote clock offset: 18.53 ms

```
# Below is generated by plot.py at 2018-07-17 20:27:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 91.642 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 91.918 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.747 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 88.451 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

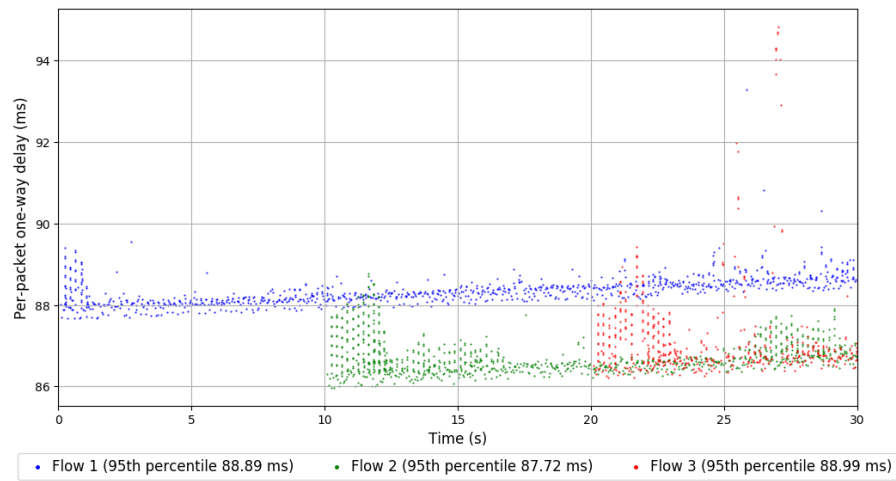
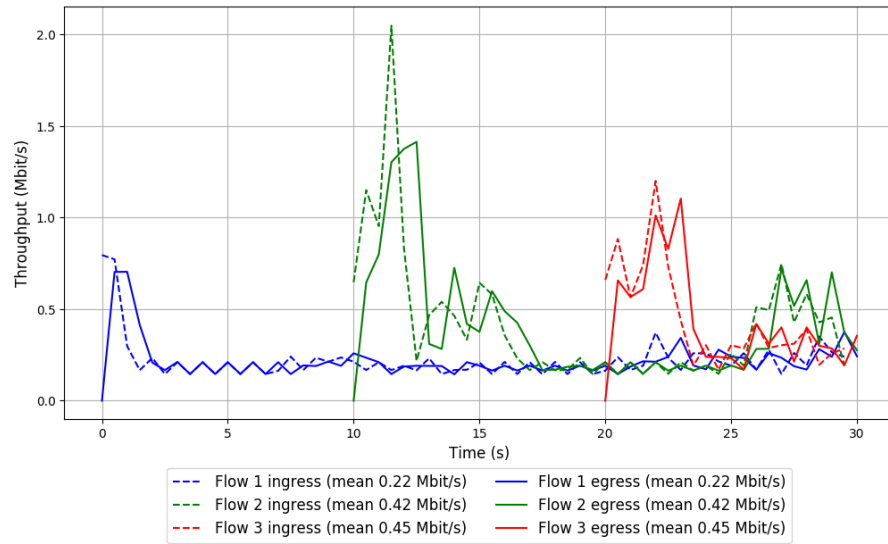


Run 5: Statistics of Sprout

Start at: 2018-07-17 18:05:29
End at: 2018-07-17 18:05:59
Local clock offset: -4.987 ms
Remote clock offset: 16.009 ms

```
# Below is generated by plot.py at 2018-07-17 20:27:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 88.741 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.892 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 87.721 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 88.992 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-17 18:26:44

End at: 2018-07-17 18:27:14

Local clock offset: 2.713 ms

Remote clock offset: 8.148 ms

Below is generated by plot.py at 2018-07-17 20:27:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 89.820 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 85.824 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 86.820 ms

Loss rate: 0.00%

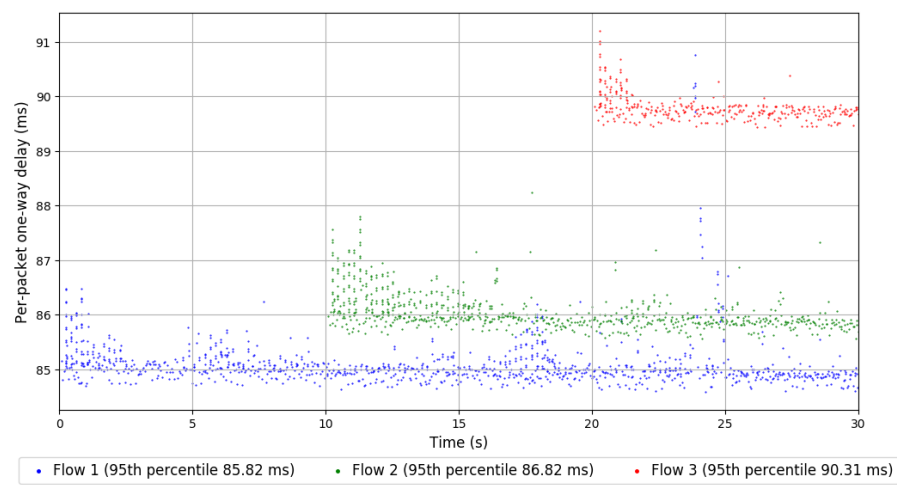
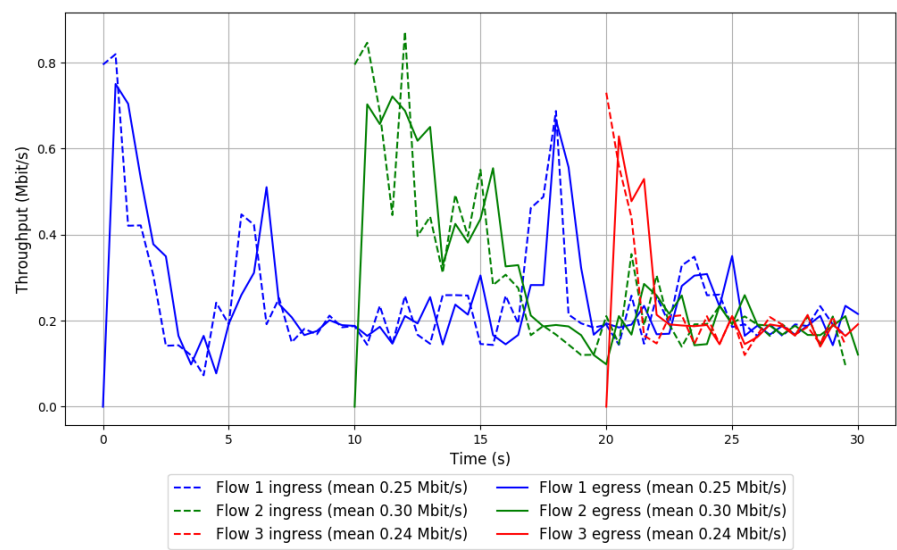
-- Flow 3:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 90.312 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-07-17 18:48:04

End at: 2018-07-17 18:48:34

Local clock offset: 0.98 ms

Remote clock offset: 3.685 ms

Below is generated by plot.py at 2018-07-17 20:27:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.91 Mbit/s

95th percentile per-packet one-way delay: 81.926 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 81.969 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 82.064 ms

Loss rate: 0.00%

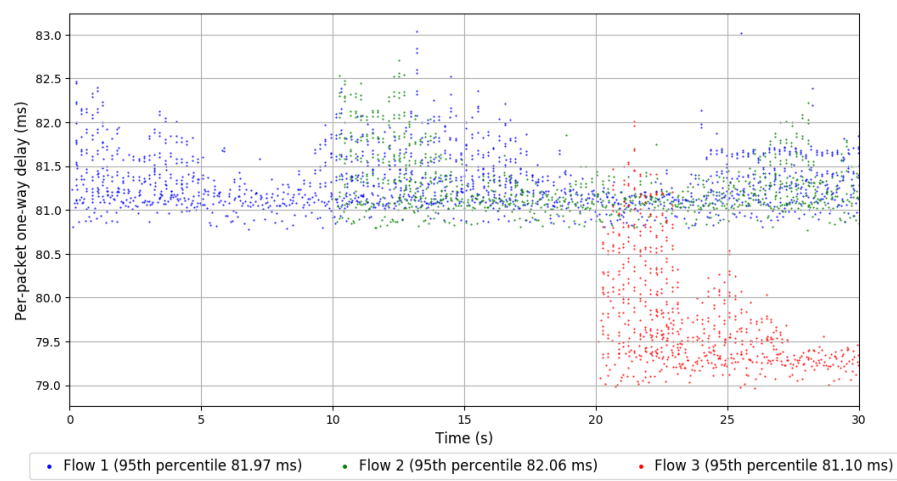
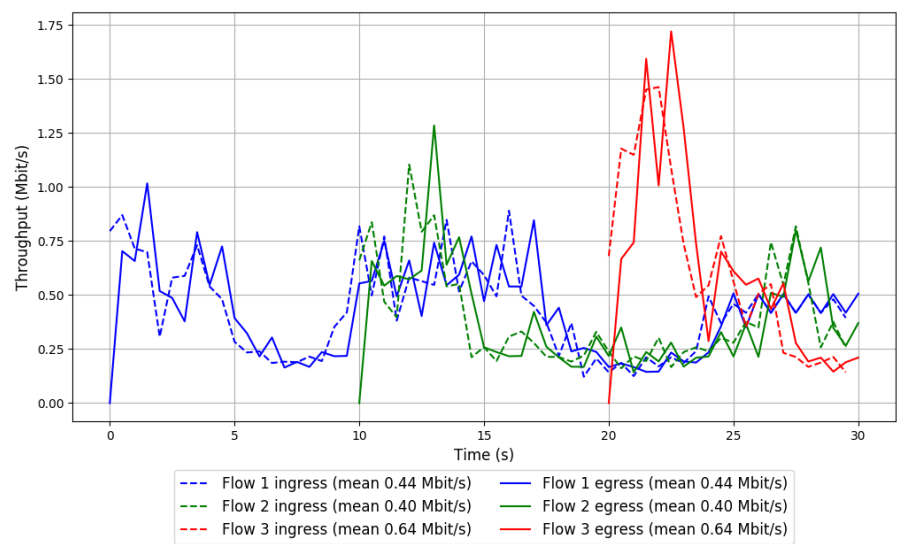
-- Flow 3:

Average throughput: 0.64 Mbit/s

95th percentile per-packet one-way delay: 81.101 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

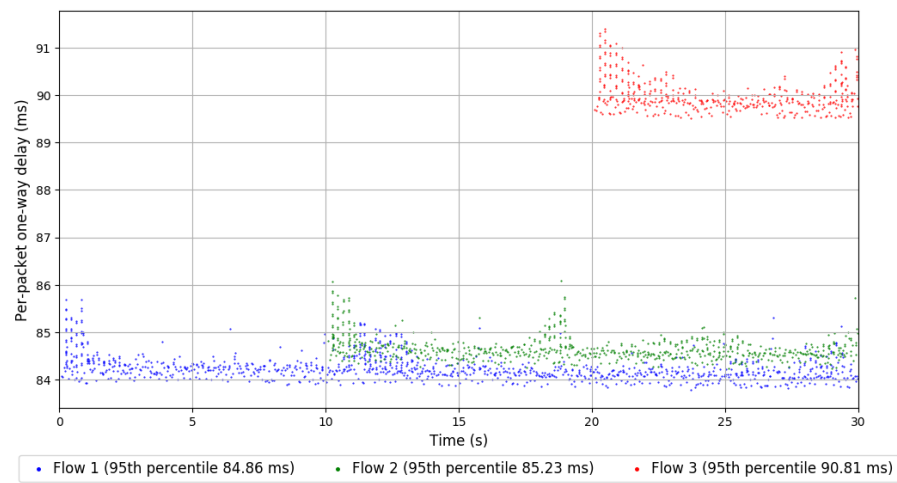
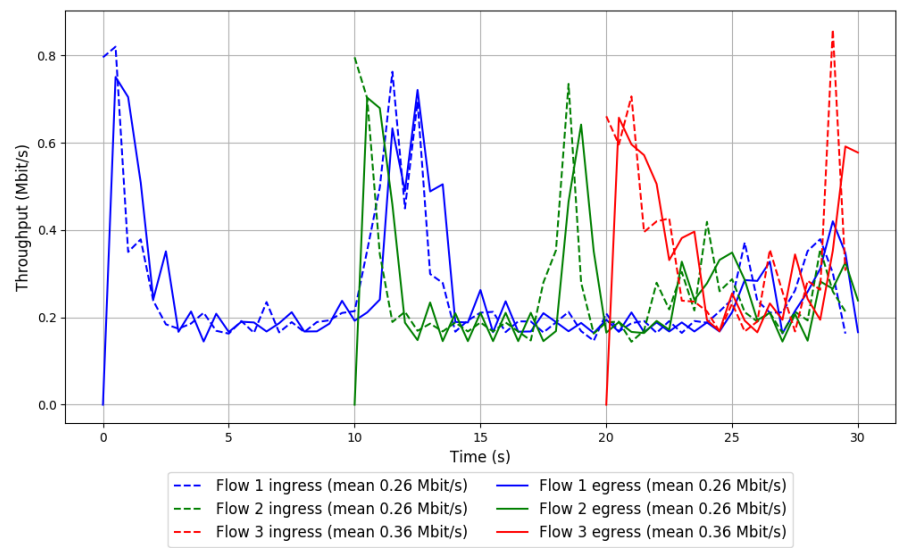


Run 8: Statistics of Sprout

Start at: 2018-07-17 19:09:19
End at: 2018-07-17 19:09:49
Local clock offset: -0.046 ms
Remote clock offset: 9.37 ms

```
# Below is generated by plot.py at 2018-07-17 20:27:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 90.156 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 84.864 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 85.235 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 90.807 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

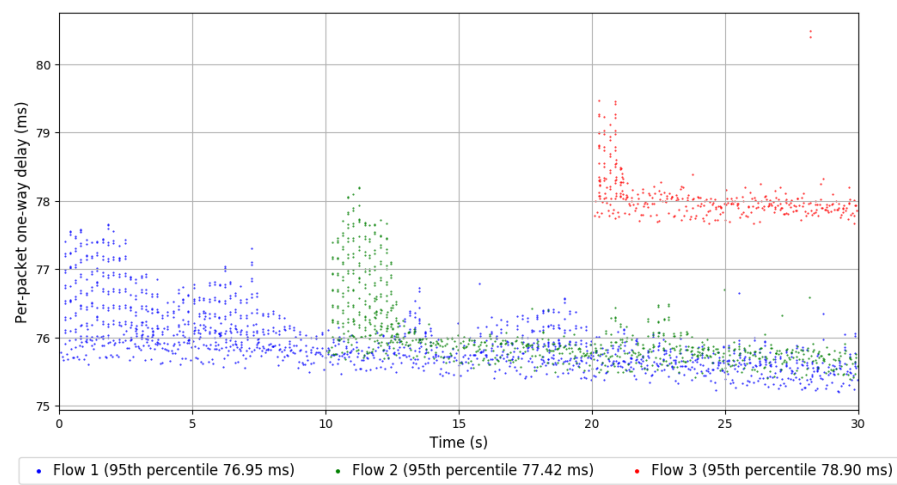
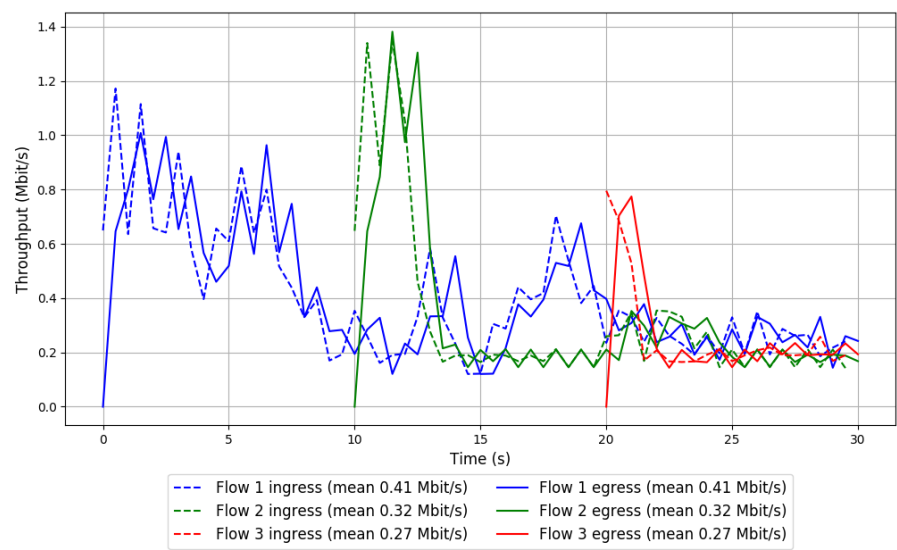


Run 9: Statistics of Sprout

Start at: 2018-07-17 19:30:46
End at: 2018-07-17 19:31:16
Local clock offset: 2.842 ms
Remote clock offset: 14.262 ms

```
# Below is generated by plot.py at 2018-07-17 20:27:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 78.041 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 76.947 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 77.421 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 78.897 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

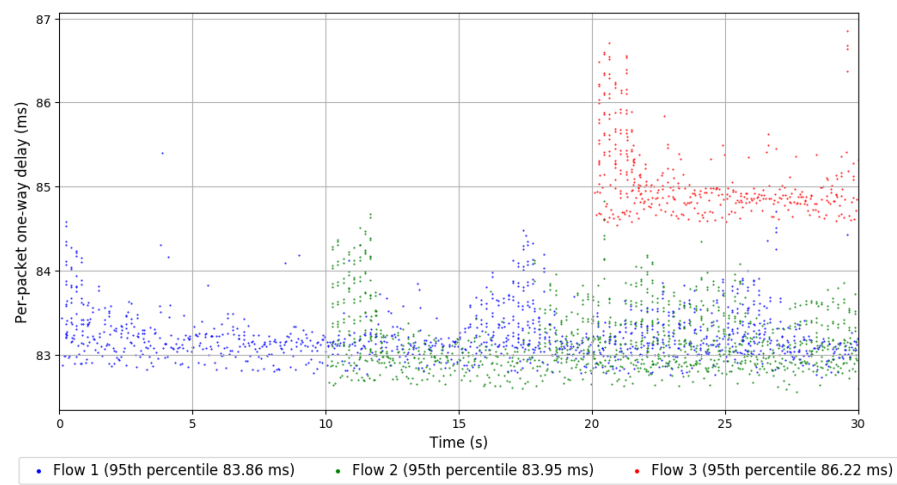
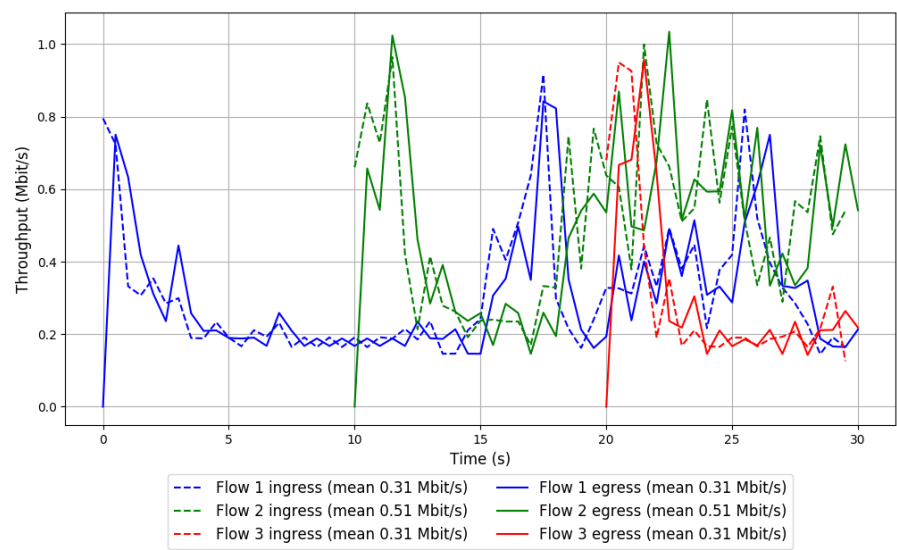


Run 10: Statistics of Sprout

Start at: 2018-07-17 19:52:00
End at: 2018-07-17 19:52:30
Local clock offset: -14.791 ms
Remote clock offset: 11.735 ms

Below is generated by plot.py at 2018-07-17 20:27:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 85.085 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 83.856 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 83.952 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 86.222 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

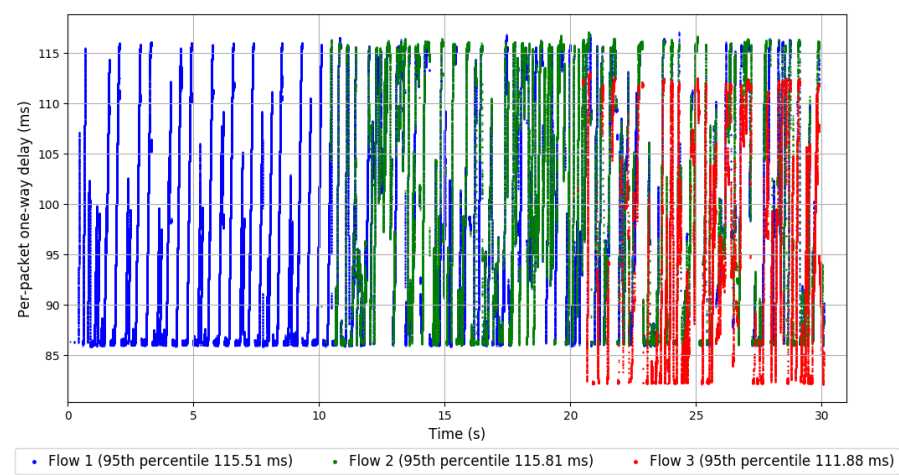
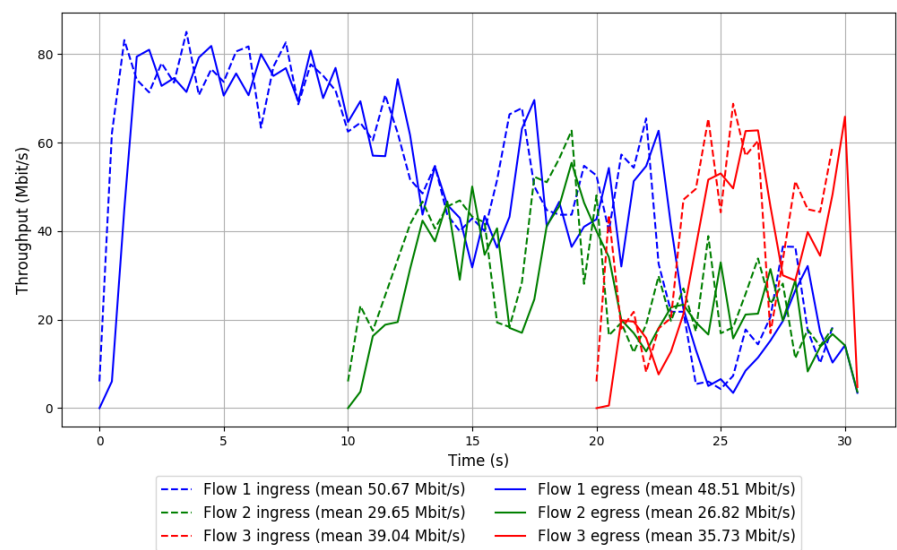


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-17 16:46:26
End at: 2018-07-17 16:46:56
Local clock offset: -7.577 ms
Remote clock offset: -5.621 ms

# Below is generated by plot.py at 2018-07-17 20:29:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.24 Mbit/s
95th percentile per-packet one-way delay: 115.559 ms
Loss rate: 6.19%
-- Flow 1:
Average throughput: 48.51 Mbit/s
95th percentile per-packet one-way delay: 115.508 ms
Loss rate: 4.25%
-- Flow 2:
Average throughput: 26.82 Mbit/s
95th percentile per-packet one-way delay: 115.807 ms
Loss rate: 9.56%
-- Flow 3:
Average throughput: 35.73 Mbit/s
95th percentile per-packet one-way delay: 111.879 ms
Loss rate: 8.63%
```


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



Run 2: Statistics of TaoVA-100x

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

End at: 2018-07-17 17:08:12

Local clock offset: -12.33 ms

Remote clock offset: 5.006 ms

Below is generated by plot.py at 2018-07-17 20:29:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.35 Mbit/s

95th percentile per-packet one-way delay: 114.368 ms

Loss rate: 5.92%

-- Flow 1:

Average throughput: 51.01 Mbit/s

95th percentile per-packet one-way delay: 114.229 ms

Loss rate: 3.93%

-- Flow 2:

Average throughput: 30.76 Mbit/s

95th percentile per-packet one-way delay: 112.788 ms

Loss rate: 9.15%

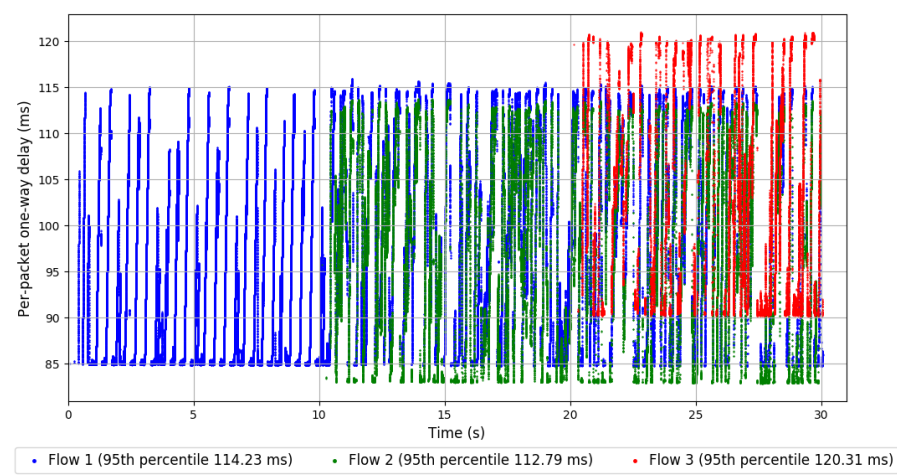
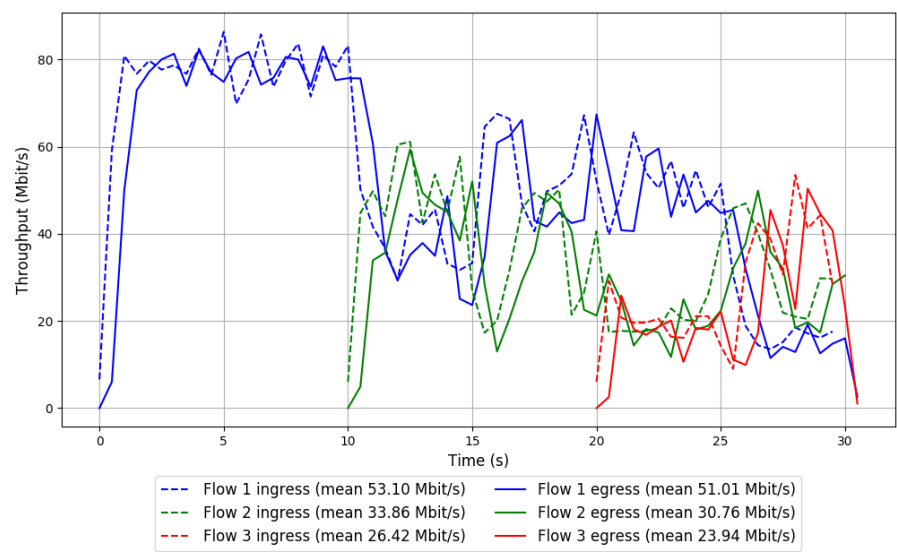
-- Flow 3:

Average throughput: 23.94 Mbit/s

95th percentile per-packet one-way delay: 120.313 ms

Loss rate: 9.71%

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

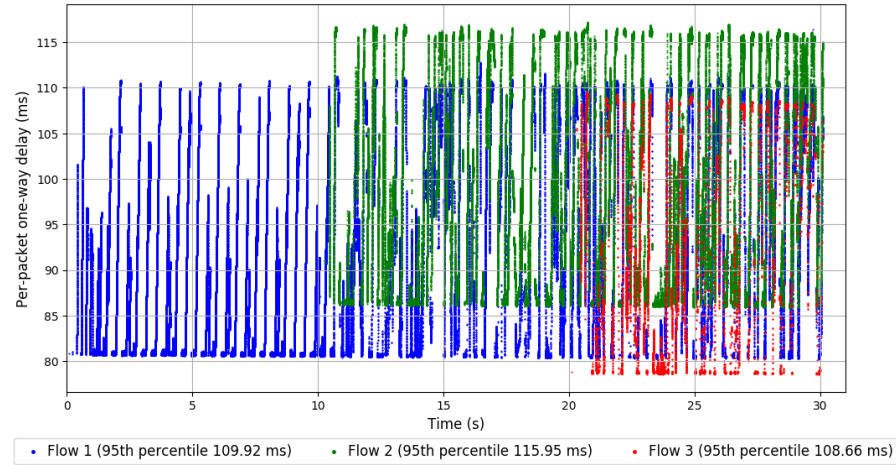
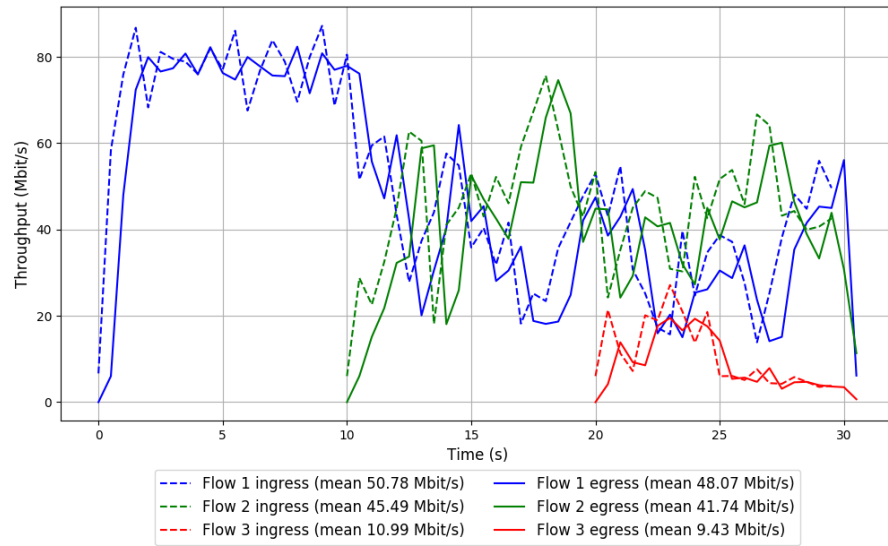


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-17 17:28:56
End at: 2018-07-17 17:29:26
Local clock offset: -15.375 ms
Remote clock offset: 5.327 ms

Below is generated by plot.py at 2018-07-17 20:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.02 Mbit/s
95th percentile per-packet one-way delay: 115.303 ms
Loss rate: 6.67%
-- Flow 1:
Average throughput: 48.07 Mbit/s
95th percentile per-packet one-way delay: 109.919 ms
Loss rate: 5.27%
-- Flow 2:
Average throughput: 41.74 Mbit/s
95th percentile per-packet one-way delay: 115.948 ms
Loss rate: 8.15%
-- Flow 3:
Average throughput: 9.43 Mbit/s
95th percentile per-packet one-way delay: 108.655 ms
Loss rate: 13.99%

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

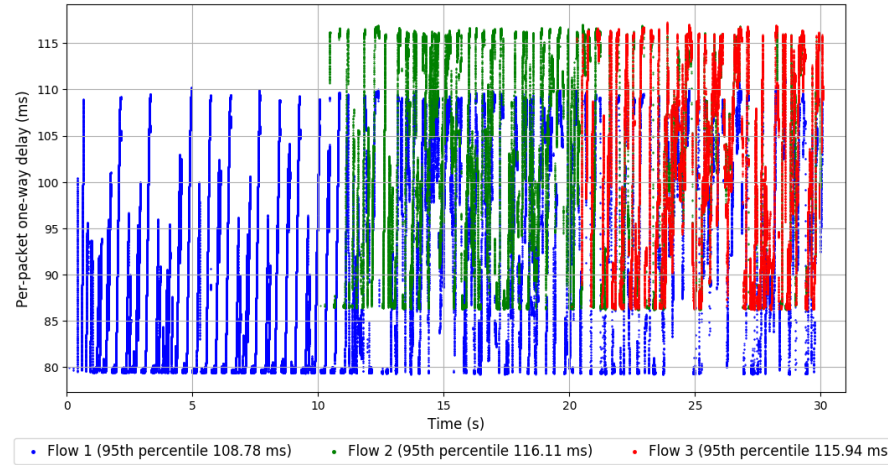
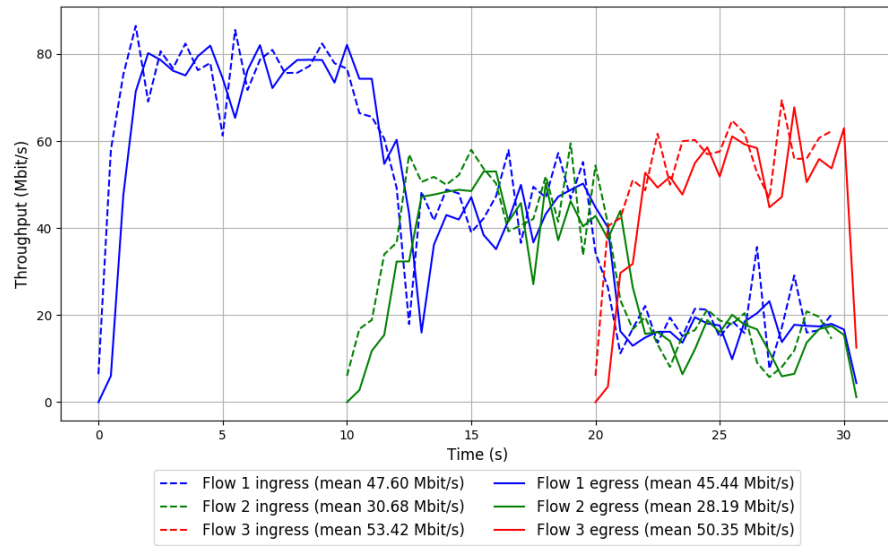


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-17 17:50:15
End at: 2018-07-17 17:50:45
Local clock offset: -17.711 ms
Remote clock offset: 13.834 ms

Below is generated by plot.py at 2018-07-17 20:29:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.85 Mbit/s
95th percentile per-packet one-way delay: 115.627 ms
Loss rate: 5.54%
-- Flow 1:
Average throughput: 45.44 Mbit/s
95th percentile per-packet one-way delay: 108.783 ms
Loss rate: 4.46%
-- Flow 2:
Average throughput: 28.19 Mbit/s
95th percentile per-packet one-way delay: 116.112 ms
Loss rate: 8.03%
-- Flow 3:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 115.938 ms
Loss rate: 5.58%

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

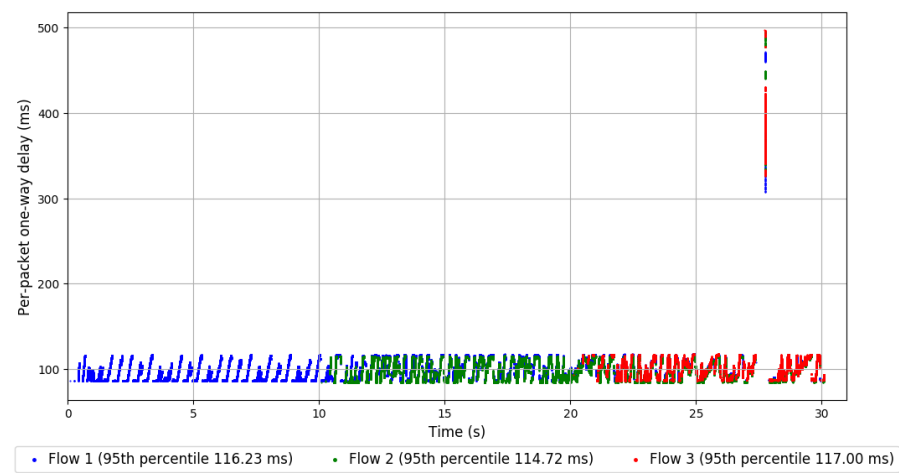
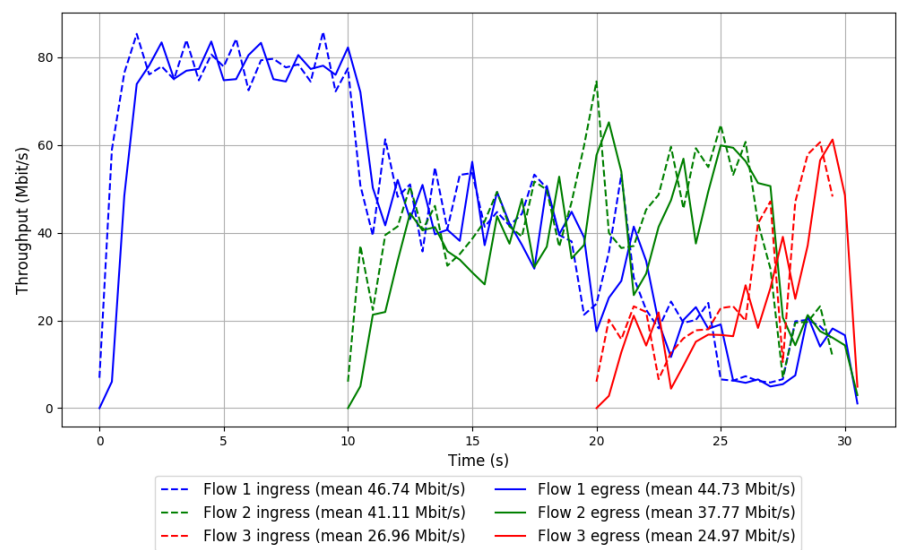


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-17 18:11:35
End at: 2018-07-17 18:12:05
Local clock offset: -1.368 ms
Remote clock offset: 11.169 ms

Below is generated by plot.py at 2018-07-17 20:29:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.18 Mbit/s
95th percentile per-packet one-way delay: 116.096 ms
Loss rate: 5.88%
-- Flow 1:
Average throughput: 44.73 Mbit/s
95th percentile per-packet one-way delay: 116.231 ms
Loss rate: 4.30%
-- Flow 2:
Average throughput: 37.77 Mbit/s
95th percentile per-packet one-way delay: 114.716 ms
Loss rate: 8.09%
-- Flow 3:
Average throughput: 24.97 Mbit/s
95th percentile per-packet one-way delay: 117.003 ms
Loss rate: 7.38%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-17 18:32:49

End at: 2018-07-17 18:33:19

Local clock offset: 1.074 ms

Remote clock offset: 2.915 ms

Below is generated by plot.py at 2018-07-17 20:29:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.80 Mbit/s

95th percentile per-packet one-way delay: 110.586 ms

Loss rate: 6.25%

-- Flow 1:

Average throughput: 55.19 Mbit/s

95th percentile per-packet one-way delay: 110.403 ms

Loss rate: 4.31%

-- Flow 2:

Average throughput: 30.03 Mbit/s

95th percentile per-packet one-way delay: 110.790 ms

Loss rate: 10.75%

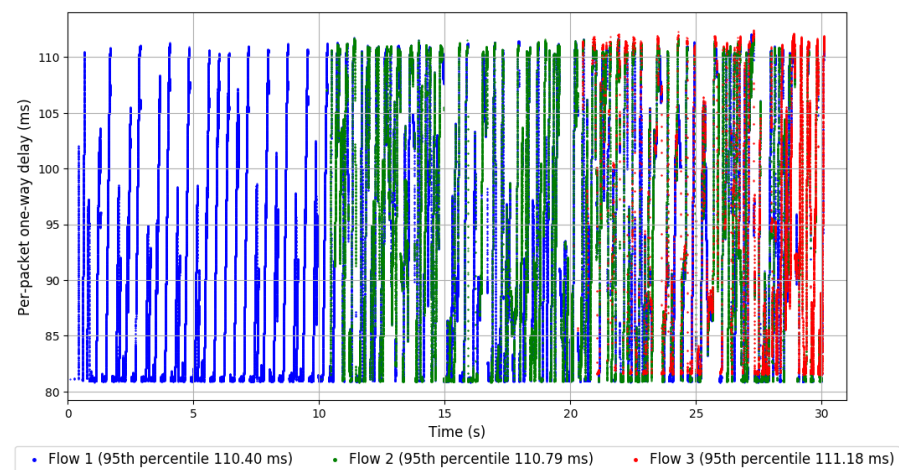
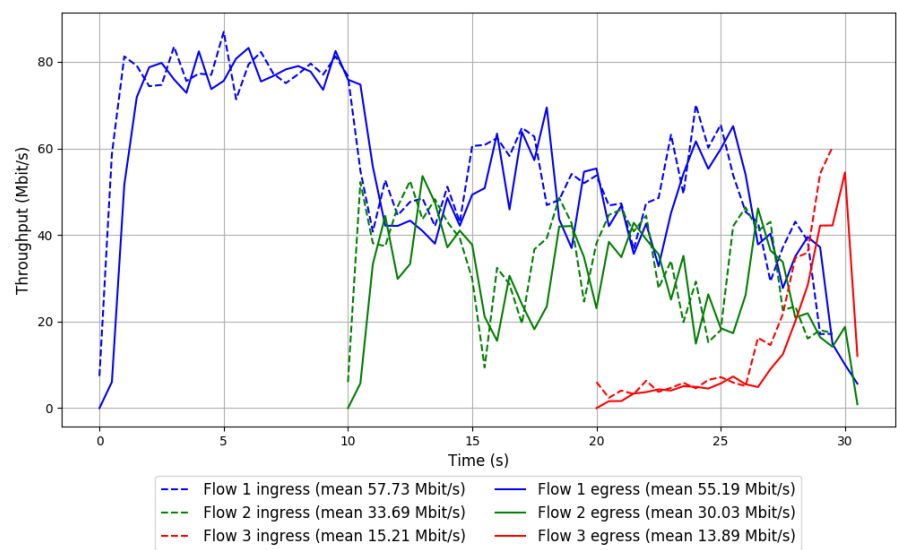
-- Flow 3:

Average throughput: 13.89 Mbit/s

95th percentile per-packet one-way delay: 111.178 ms

Loss rate: 8.55%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-17 18:54:10

End at: 2018-07-17 18:54:40

Local clock offset: 1.511 ms

Remote clock offset: 3.828 ms

Below is generated by plot.py at 2018-07-17 20:29:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.82 Mbit/s

95th percentile per-packet one-way delay: 115.911 ms

Loss rate: 6.85%

-- Flow 1:

Average throughput: 44.59 Mbit/s

95th percentile per-packet one-way delay: 110.554 ms

Loss rate: 5.18%

-- Flow 2:

Average throughput: 40.62 Mbit/s

95th percentile per-packet one-way delay: 116.592 ms

Loss rate: 8.67%

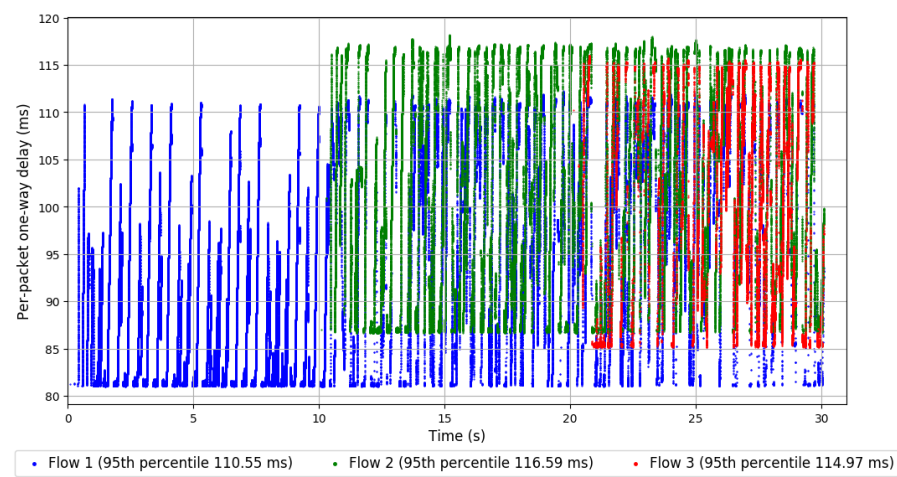
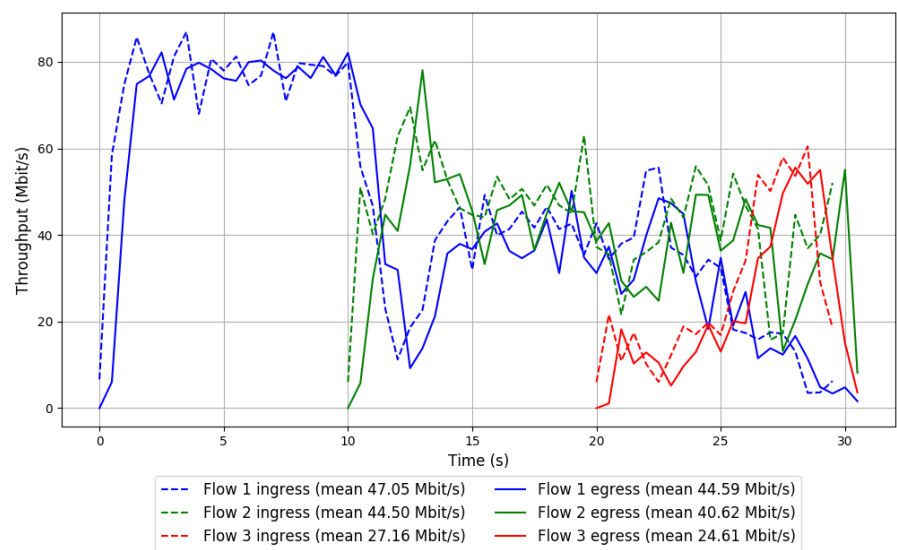
-- Flow 3:

Average throughput: 24.61 Mbit/s

95th percentile per-packet one-way delay: 114.968 ms

Loss rate: 9.55%

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

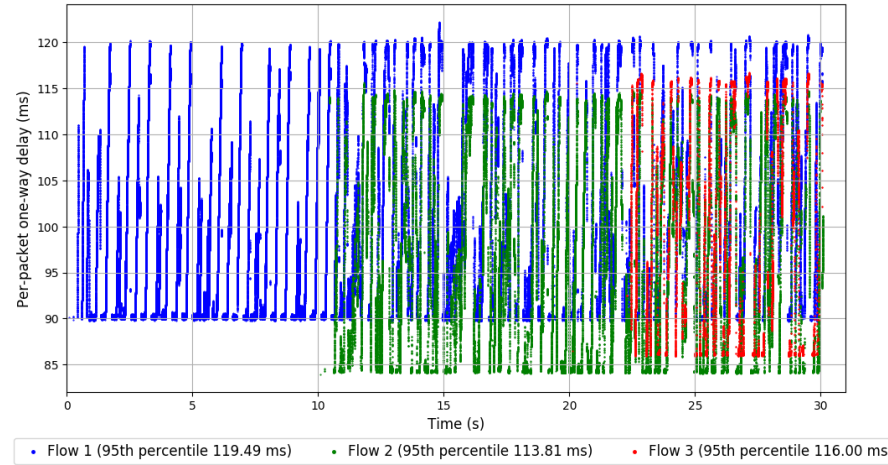
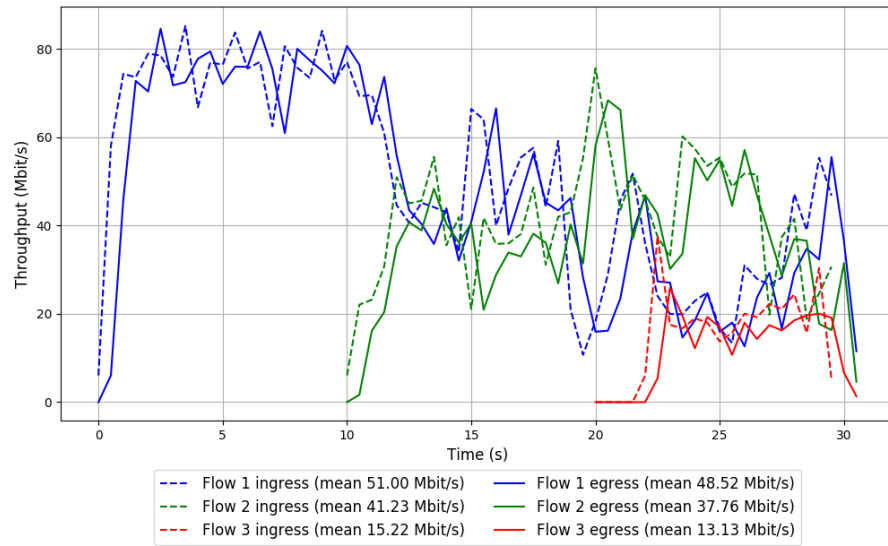


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-17 19:15:25
End at: 2018-07-17 19:15:55
Local clock offset: -0.017 ms
Remote clock offset: 11.129 ms

Below is generated by plot.py at 2018-07-17 20:29:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.01 Mbit/s
95th percentile per-packet one-way delay: 119.178 ms
Loss rate: 6.48%
-- Flow 1:
Average throughput: 48.52 Mbit/s
95th percentile per-packet one-way delay: 119.490 ms
Loss rate: 4.77%
-- Flow 2:
Average throughput: 37.76 Mbit/s
95th percentile per-packet one-way delay: 113.813 ms
Loss rate: 8.35%
-- Flow 3:
Average throughput: 13.13 Mbit/s
95th percentile per-packet one-way delay: 115.996 ms
Loss rate: 13.61%

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

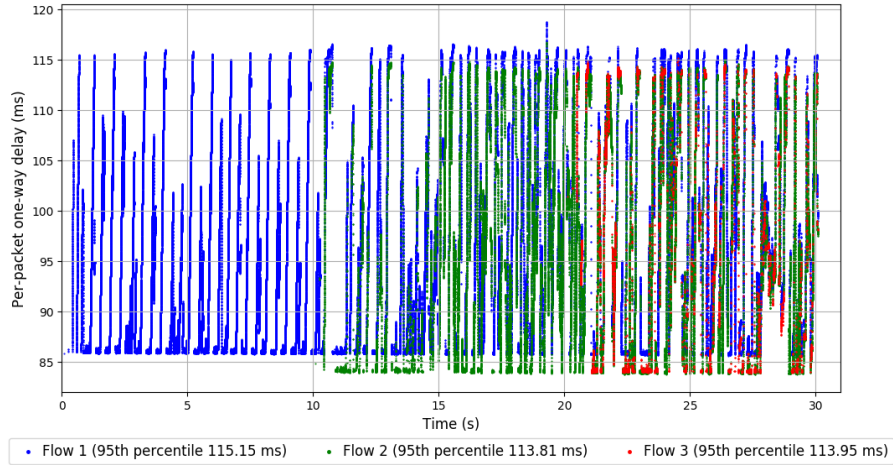
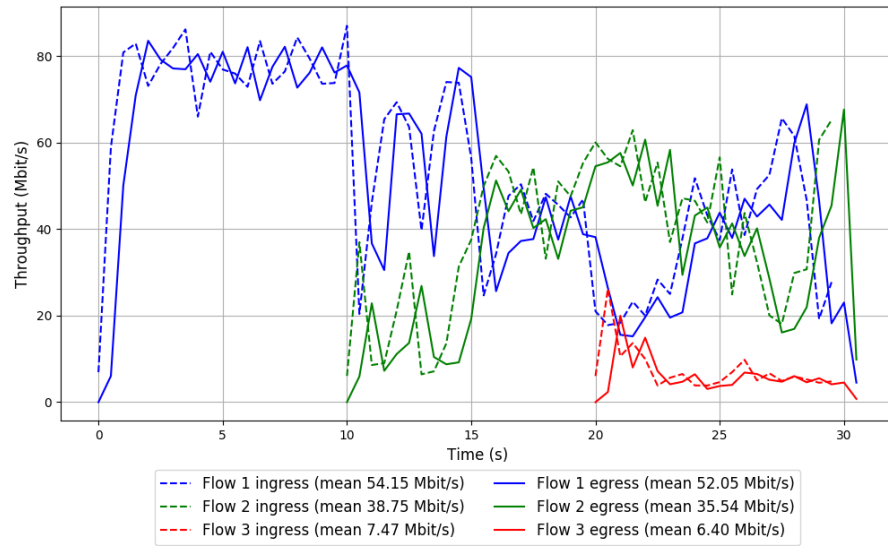


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-17 19:36:51
End at: 2018-07-17 19:37:21
Local clock offset: -10.324 ms
Remote clock offset: 13.652 ms

Below is generated by plot.py at 2018-07-17 20:31:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.86 Mbit/s
95th percentile per-packet one-way delay: 114.504 ms
Loss rate: 5.52%
-- Flow 1:
Average throughput: 52.05 Mbit/s
95th percentile per-packet one-way delay: 115.154 ms
Loss rate: 3.83%
-- Flow 2:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 113.805 ms
Loss rate: 8.22%
-- Flow 3:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 113.951 ms
Loss rate: 14.38%

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

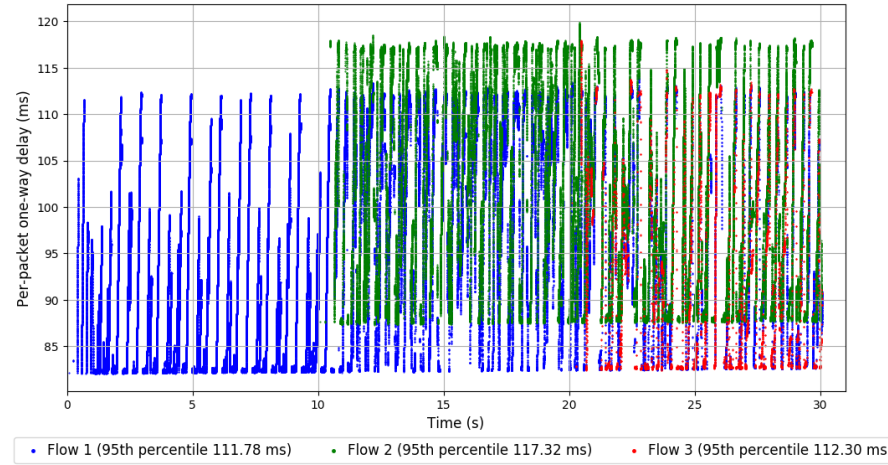
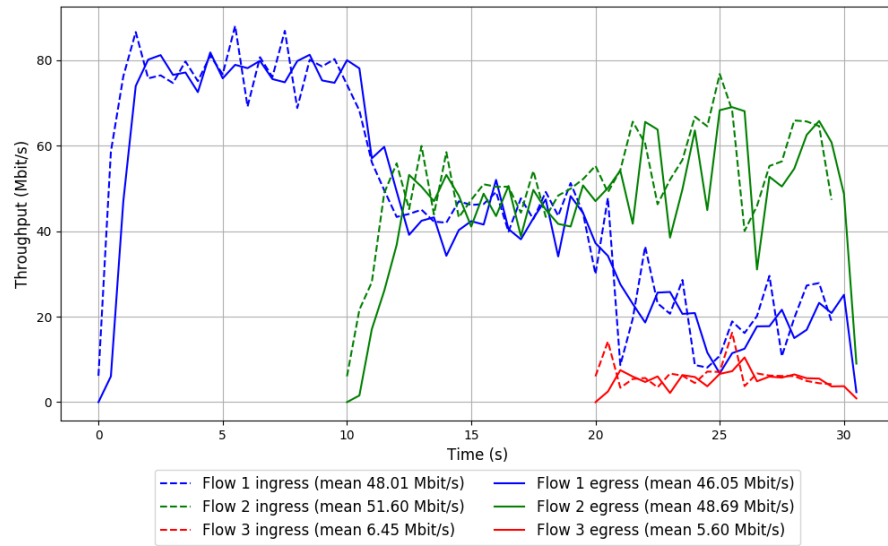


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-17 19:58:05
End at: 2018-07-17 19:58:35
Local clock offset: -11.629 ms
Remote clock offset: 7.688 ms

Below is generated by plot.py at 2018-07-17 20:31:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.33 Mbit/s
95th percentile per-packet one-way delay: 116.333 ms
Loss rate: 4.92%
-- Flow 1:
Average throughput: 46.05 Mbit/s
95th percentile per-packet one-way delay: 111.776 ms
Loss rate: 4.07%
-- Flow 2:
Average throughput: 48.69 Mbit/s
95th percentile per-packet one-way delay: 117.322 ms
Loss rate: 5.58%
-- Flow 3:
Average throughput: 5.60 Mbit/s
95th percentile per-packet one-way delay: 112.301 ms
Loss rate: 13.18%

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

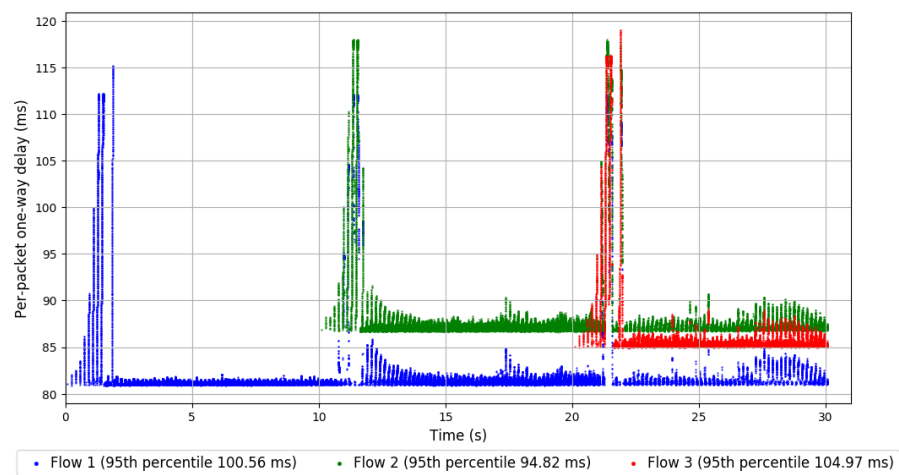
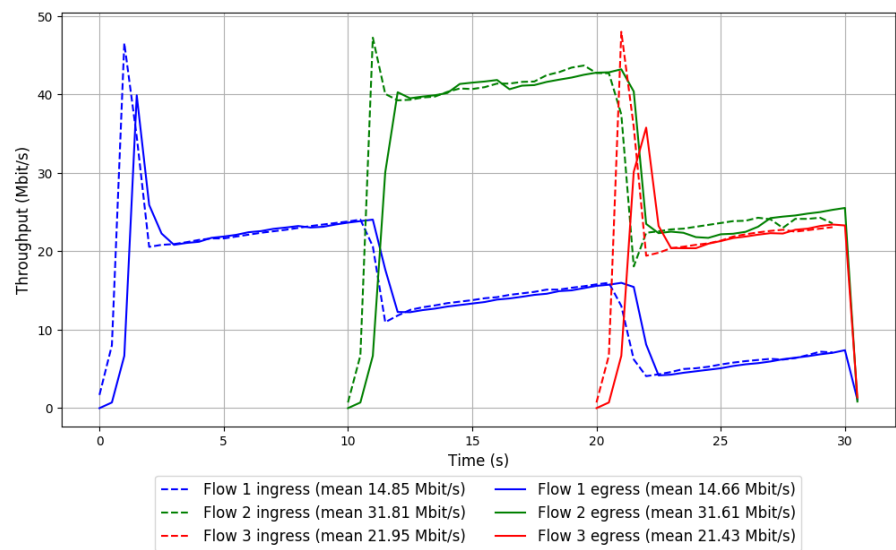


Run 1: Statistics of TCP Vegas

Start at: 2018-07-17 16:39:07
End at: 2018-07-17 16:39:37
Local clock offset: -6.761 ms
Remote clock offset: -5.143 ms

Below is generated by plot.py at 2018-07-17 20:31:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.84 Mbit/s
95th percentile per-packet one-way delay: 99.308 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 14.66 Mbit/s
95th percentile per-packet one-way delay: 100.557 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 31.61 Mbit/s
95th percentile per-packet one-way delay: 94.822 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 21.43 Mbit/s
95th percentile per-packet one-way delay: 104.968 ms
Loss rate: 2.40%

Run 1: Report of TCP Vegas — Data Link

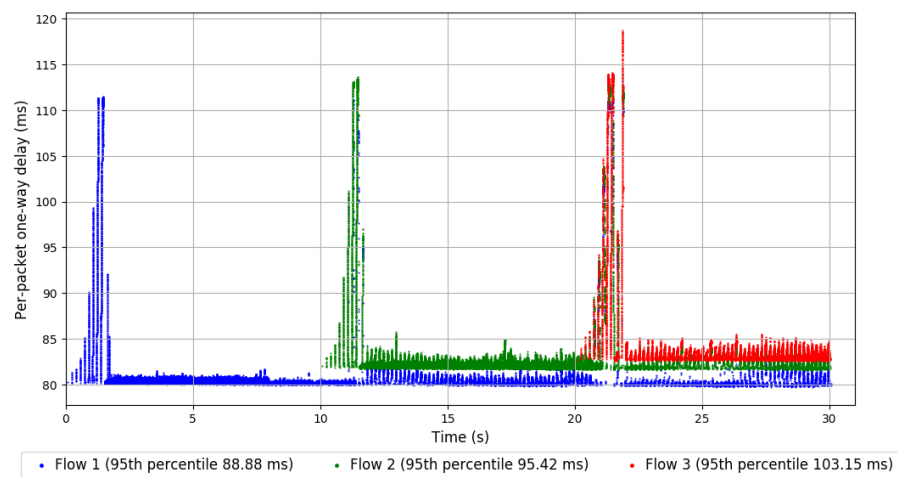
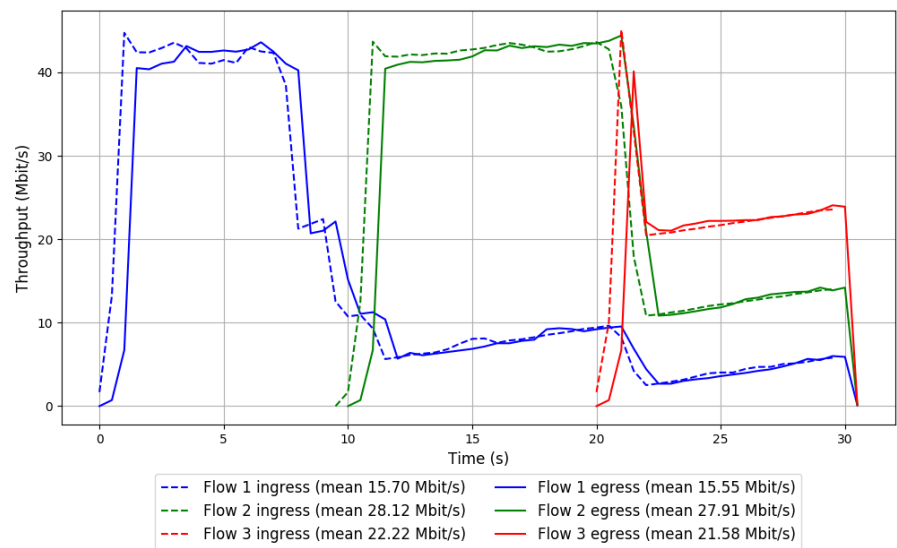


Run 2: Statistics of TCP Vegas

Start at: 2018-07-17 17:00:24
End at: 2018-07-17 17:00:54
Local clock offset: -10.436 ms
Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-17 20:31:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.29 Mbit/s
95th percentile per-packet one-way delay: 95.031 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 15.55 Mbit/s
95th percentile per-packet one-way delay: 88.879 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 27.91 Mbit/s
95th percentile per-packet one-way delay: 95.418 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 21.58 Mbit/s
95th percentile per-packet one-way delay: 103.151 ms
Loss rate: 2.88%

Run 2: Report of TCP Vegas — Data Link

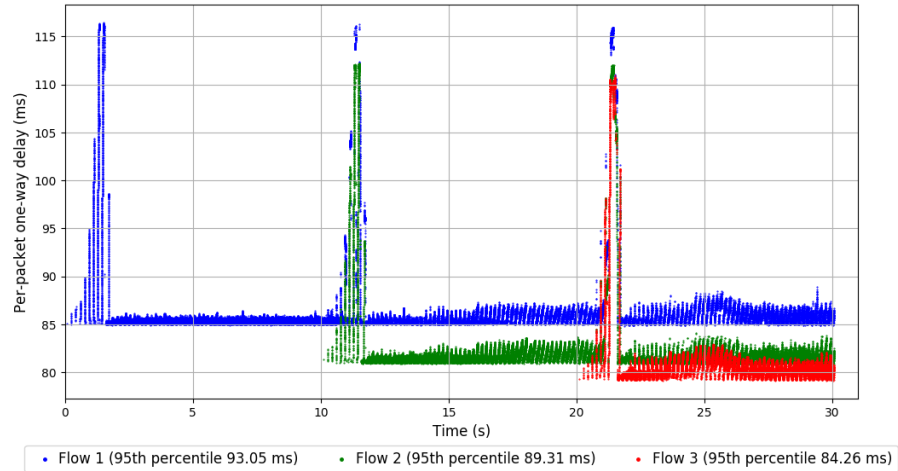
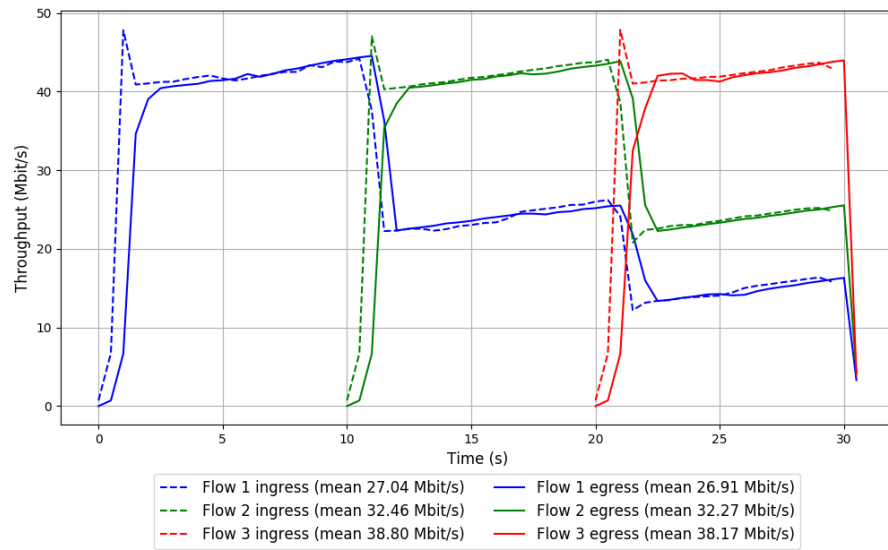


Run 3: Statistics of TCP Vegas

Start at: 2018-07-17 17:21:36
End at: 2018-07-17 17:22:06
Local clock offset: -14.528 ms
Remote clock offset: 2.512 ms

Below is generated by plot.py at 2018-07-17 20:31:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.11 Mbit/s
95th percentile per-packet one-way delay: 90.539 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 26.91 Mbit/s
95th percentile per-packet one-way delay: 93.047 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 89.306 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 38.17 Mbit/s
95th percentile per-packet one-way delay: 84.256 ms
Loss rate: 1.60%

Run 3: Report of TCP Vegas — Data Link

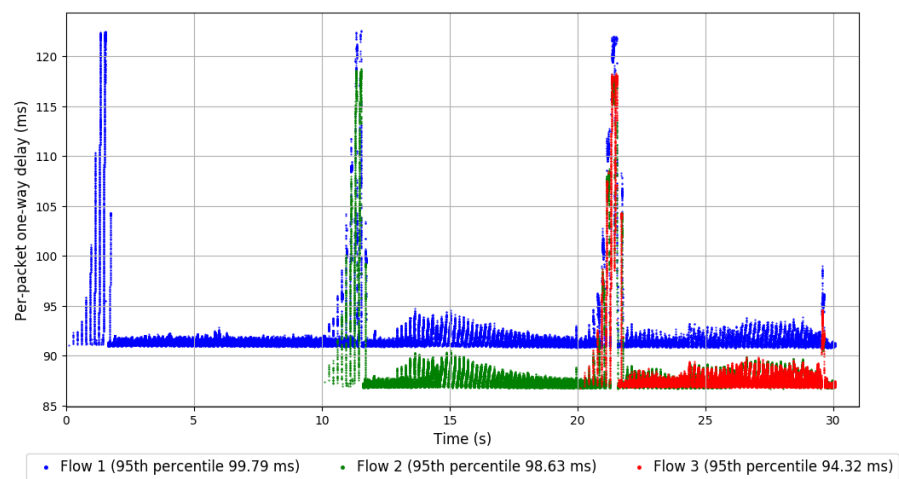
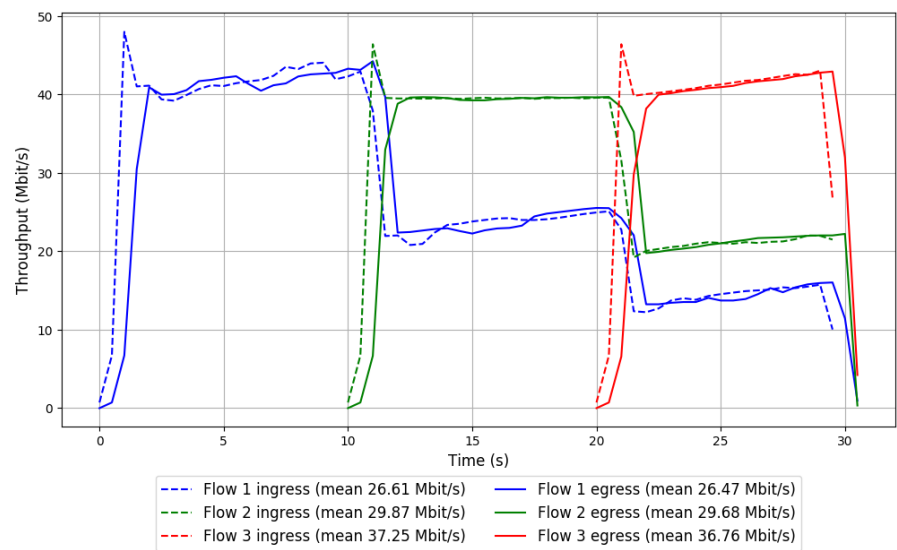


Run 4: Statistics of TCP Vegas

Start at: 2018-07-17 17:42:54
End at: 2018-07-17 17:43:24
Local clock offset: -16.973 ms
Remote clock offset: 18.01 ms

```
# Below is generated by plot.py at 2018-07-17 20:31:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.47 Mbit/s
95th percentile per-packet one-way delay: 98.713 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 26.47 Mbit/s
95th percentile per-packet one-way delay: 99.793 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 98.629 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 36.76 Mbit/s
95th percentile per-packet one-way delay: 94.318 ms
Loss rate: 1.30%
```

Run 4: Report of TCP Vegas — Data Link

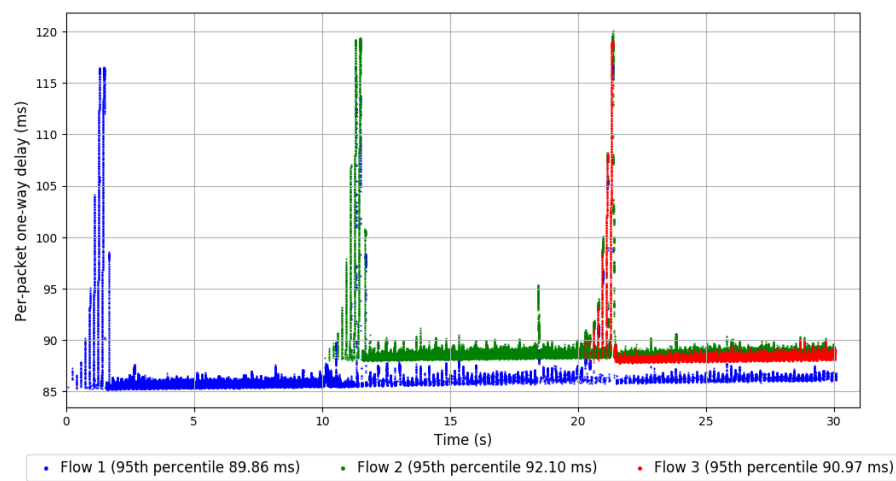
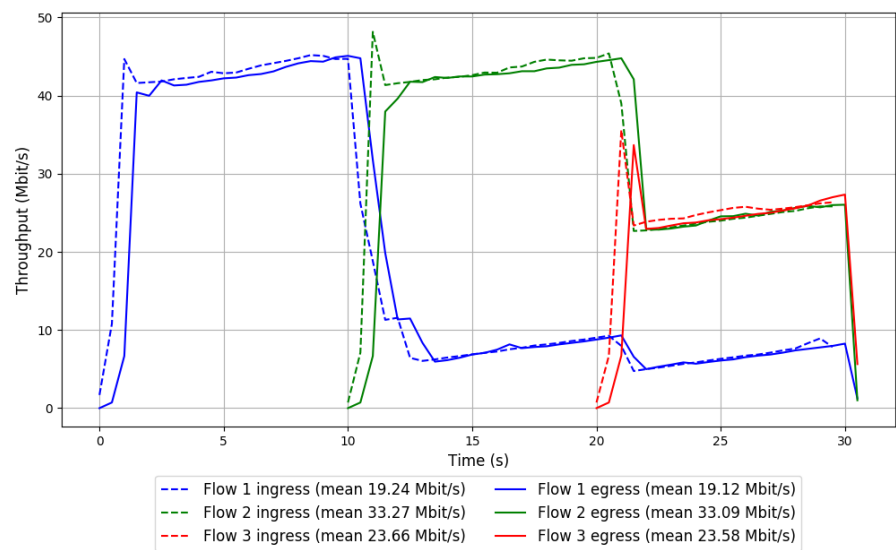


Run 5: Statistics of TCP Vegas

Start at: 2018-07-17 18:04:15
End at: 2018-07-17 18:04:45
Local clock offset: -6.067 ms
Remote clock offset: 15.911 ms

Below is generated by plot.py at 2018-07-17 20:31:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.97 Mbit/s
95th percentile per-packet one-way delay: 91.292 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 19.12 Mbit/s
95th percentile per-packet one-way delay: 89.860 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 33.09 Mbit/s
95th percentile per-packet one-way delay: 92.098 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 23.58 Mbit/s
95th percentile per-packet one-way delay: 90.975 ms
Loss rate: 0.37%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-17 18:25:31

End at: 2018-07-17 18:26:01

Local clock offset: 3.332 ms

Remote clock offset: 4.308 ms

Below is generated by plot.py at 2018-07-17 20:31:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.02 Mbit/s

95th percentile per-packet one-way delay: 90.876 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 22.58 Mbit/s

95th percentile per-packet one-way delay: 89.356 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 31.31 Mbit/s

95th percentile per-packet one-way delay: 87.318 ms

Loss rate: 0.63%

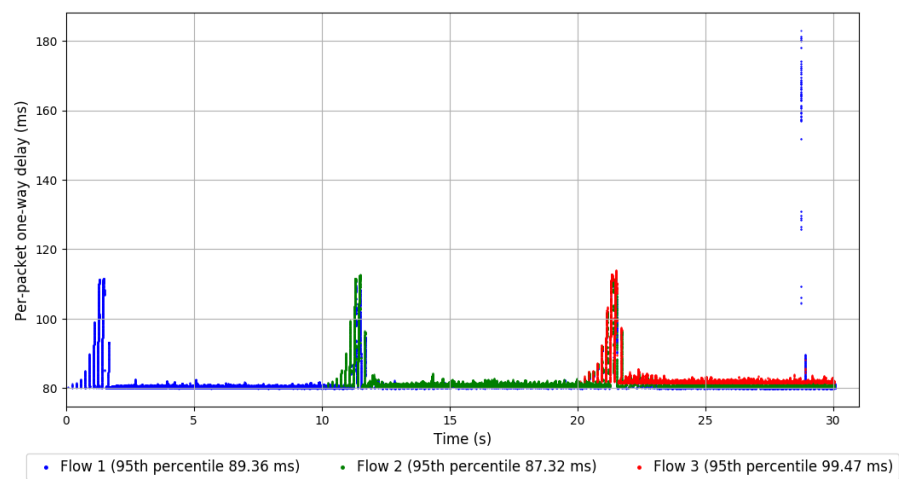
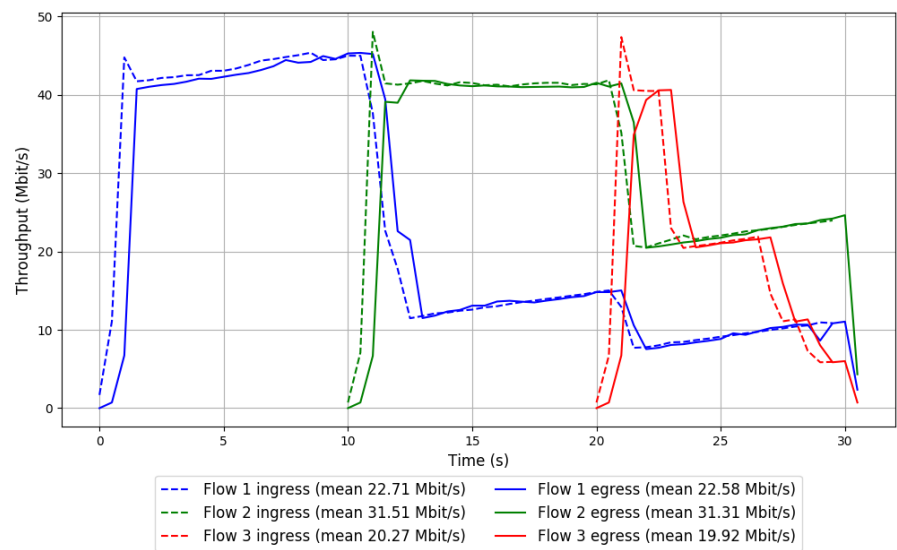
-- Flow 3:

Average throughput: 19.92 Mbit/s

95th percentile per-packet one-way delay: 99.470 ms

Loss rate: 1.77%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-17 18:46:51

End at: 2018-07-17 18:47:21

Local clock offset: 0.886 ms

Remote clock offset: 3.648 ms

Below is generated by plot.py at 2018-07-17 20:31:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 30.47 Mbit/s

95th percentile per-packet one-way delay: 94.845 ms

Loss rate: 1.25%

-- Flow 1:

Average throughput: 22.35 Mbit/s

95th percentile per-packet one-way delay: 88.400 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 5.98 Mbit/s

95th percentile per-packet one-way delay: 107.442 ms

Loss rate: 3.25%

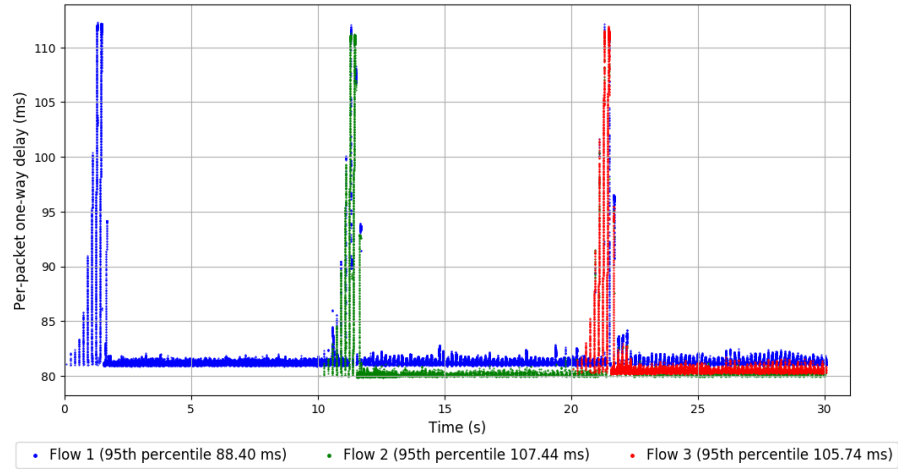
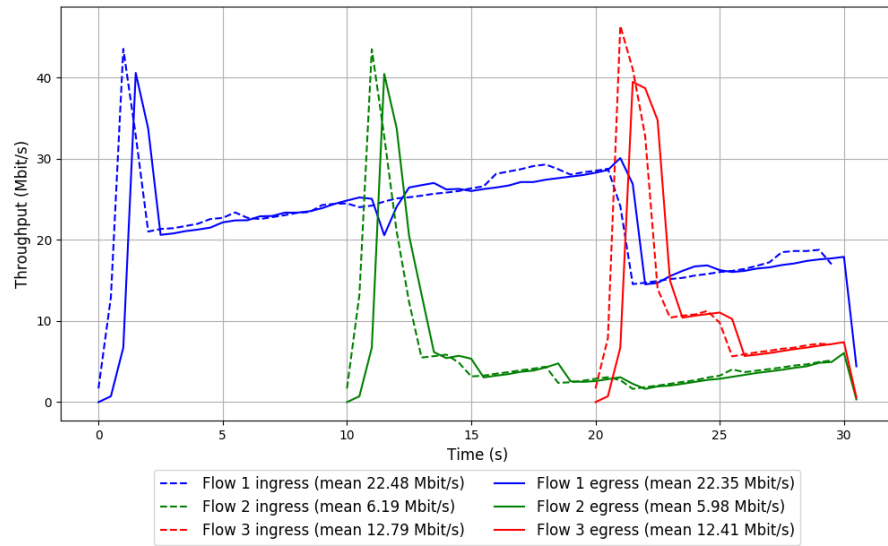
-- Flow 3:

Average throughput: 12.41 Mbit/s

95th percentile per-packet one-way delay: 105.736 ms

Loss rate: 2.94%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-17 19:08:06

End at: 2018-07-17 19:08:36

Local clock offset: -0.006 ms

Remote clock offset: 4.053 ms

Below is generated by plot.py at 2018-07-17 20:31:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.37 Mbit/s

95th percentile per-packet one-way delay: 85.395 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 26.22 Mbit/s

95th percentile per-packet one-way delay: 81.080 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 7.67 Mbit/s

95th percentile per-packet one-way delay: 100.069 ms

Loss rate: 0.59%

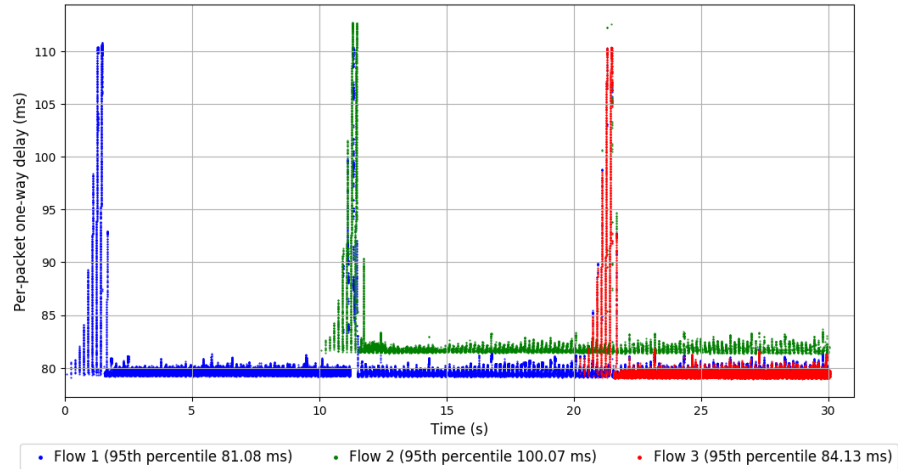
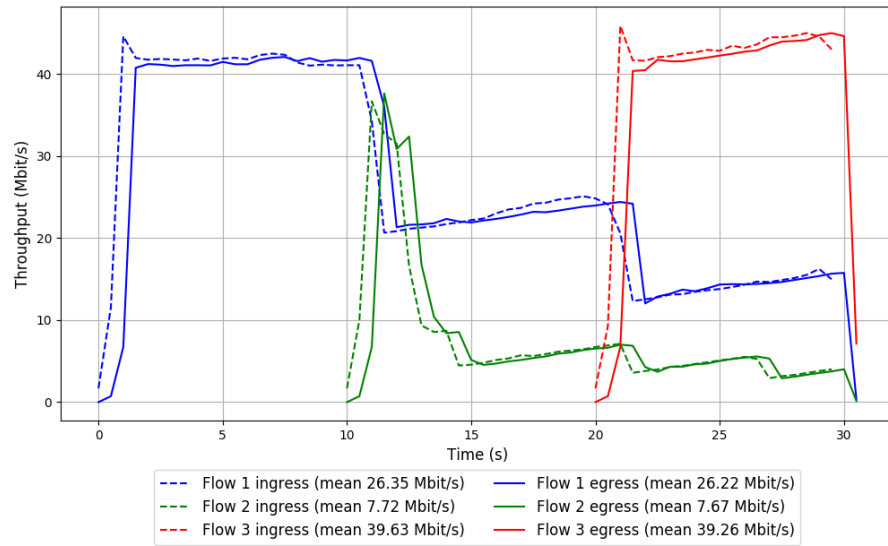
-- Flow 3:

Average throughput: 39.26 Mbit/s

95th percentile per-packet one-way delay: 84.132 ms

Loss rate: 0.93%

Run 8: Report of TCP Vegas — Data Link

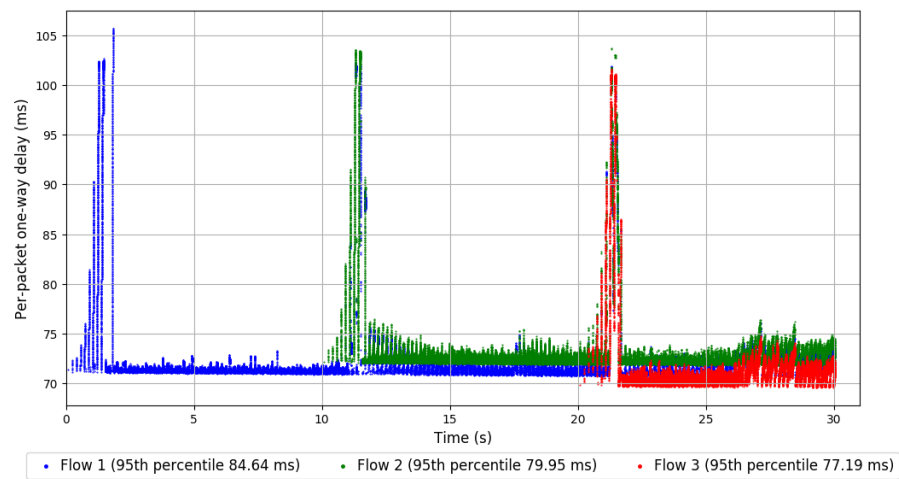
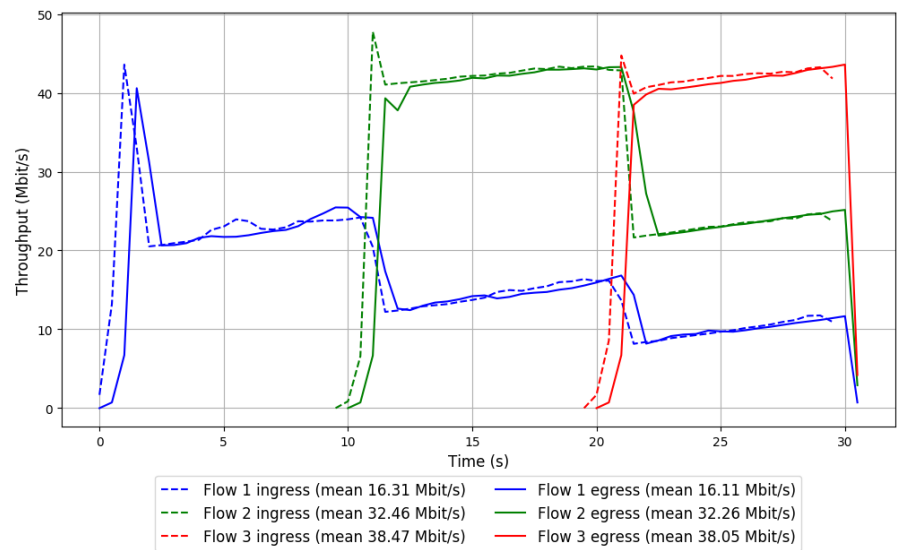


Run 9: Statistics of TCP Vegas

Start at: 2018-07-17 19:29:32
End at: 2018-07-17 19:30:02
Local clock offset: 8.794 ms
Remote clock offset: 13.087 ms

Below is generated by plot.py at 2018-07-17 20:31:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 80.457 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 16.11 Mbit/s
95th percentile per-packet one-way delay: 84.637 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 32.26 Mbit/s
95th percentile per-packet one-way delay: 79.950 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 38.05 Mbit/s
95th percentile per-packet one-way delay: 77.188 ms
Loss rate: 1.09%

Run 9: Report of TCP Vegas — Data Link

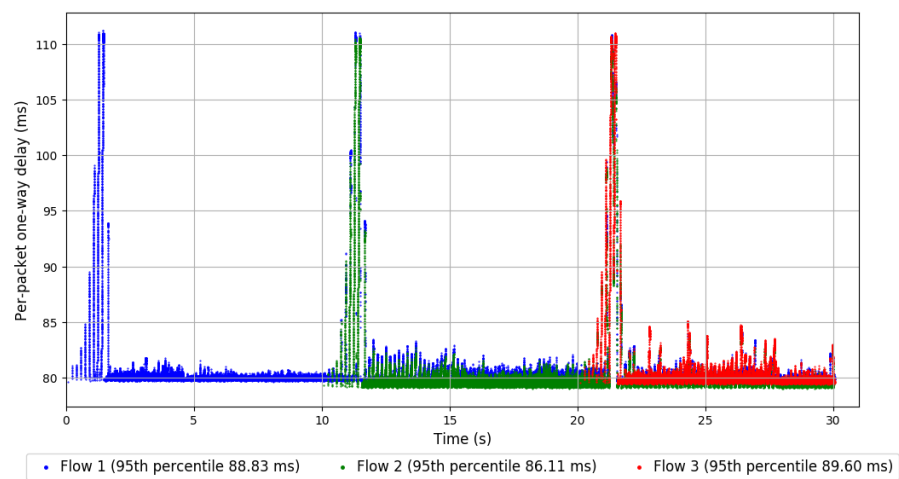
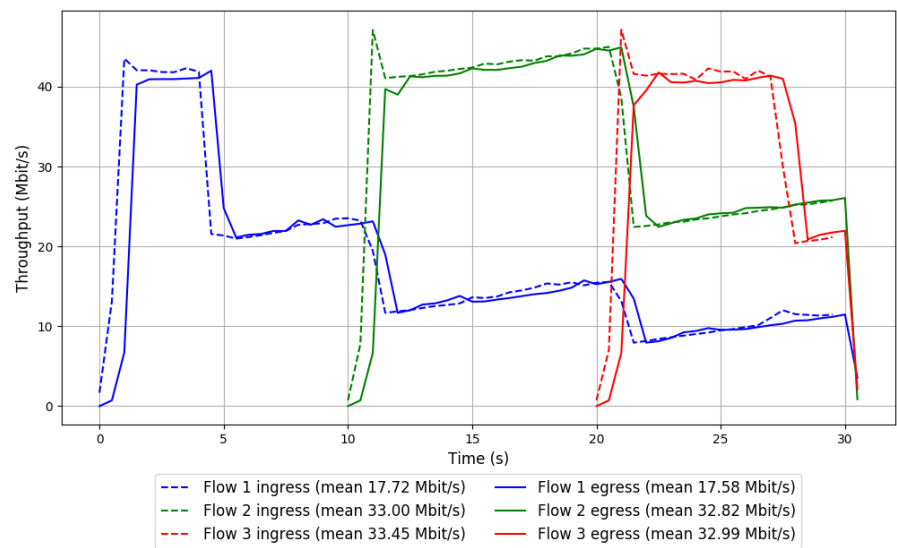


Run 10: Statistics of TCP Vegas

Start at: 2018-07-17 19:50:47
End at: 2018-07-17 19:51:17
Local clock offset: -14.563 ms
Remote clock offset: 8.045 ms

Below is generated by plot.py at 2018-07-17 20:31:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.40 Mbit/s
95th percentile per-packet one-way delay: 87.800 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 17.58 Mbit/s
95th percentile per-packet one-way delay: 88.833 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 32.82 Mbit/s
95th percentile per-packet one-way delay: 86.108 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 32.99 Mbit/s
95th percentile per-packet one-way delay: 89.600 ms
Loss rate: 1.37%

Run 10: Report of TCP Vegas — Data Link

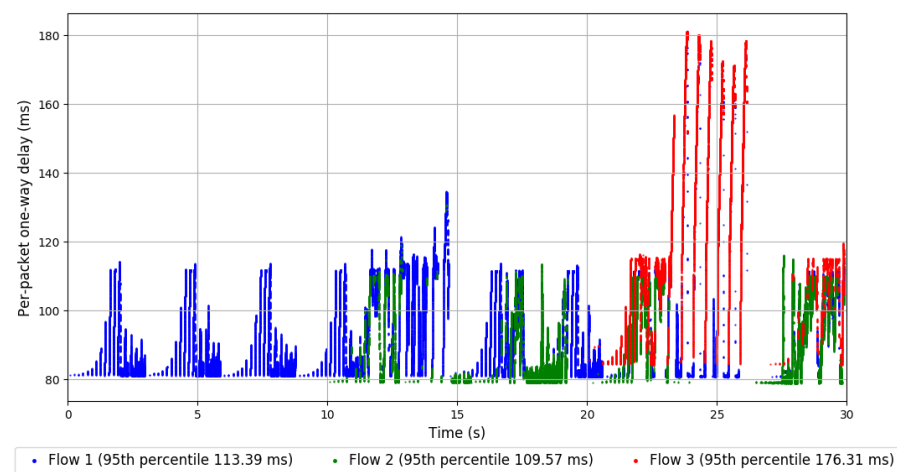
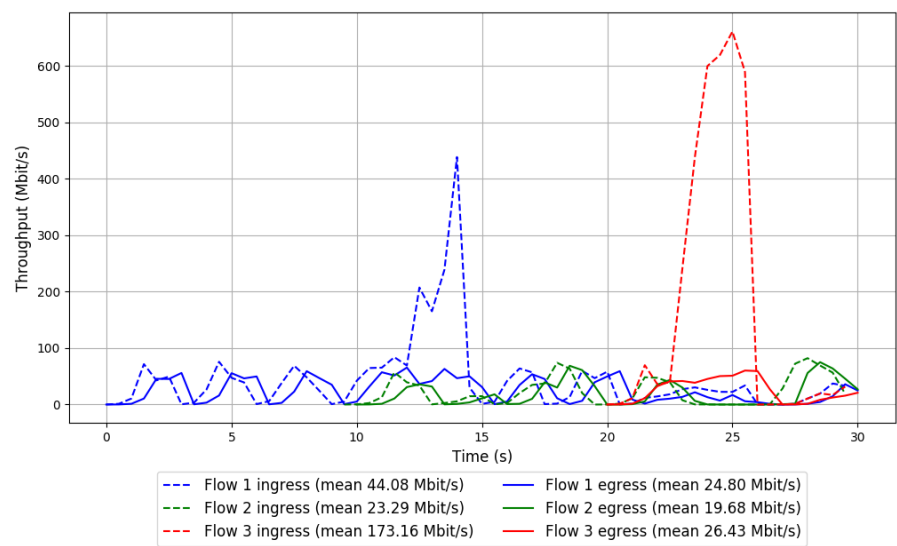


Run 1: Statistics of Verus

Start at: 2018-07-17 16:56:39
End at: 2018-07-17 16:57:09
Local clock offset: -8.898 ms
Remote clock offset: -3.296 ms

Below is generated by plot.py at 2018-07-17 20:31:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.57 Mbit/s
95th percentile per-packet one-way delay: 154.659 ms
Loss rate: 59.94%
-- Flow 1:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 113.393 ms
Loss rate: 43.67%
-- Flow 2:
Average throughput: 19.68 Mbit/s
95th percentile per-packet one-way delay: 109.569 ms
Loss rate: 15.34%
-- Flow 3:
Average throughput: 26.43 Mbit/s
95th percentile per-packet one-way delay: 176.313 ms
Loss rate: 84.69%

Run 1: Report of Verus — Data Link

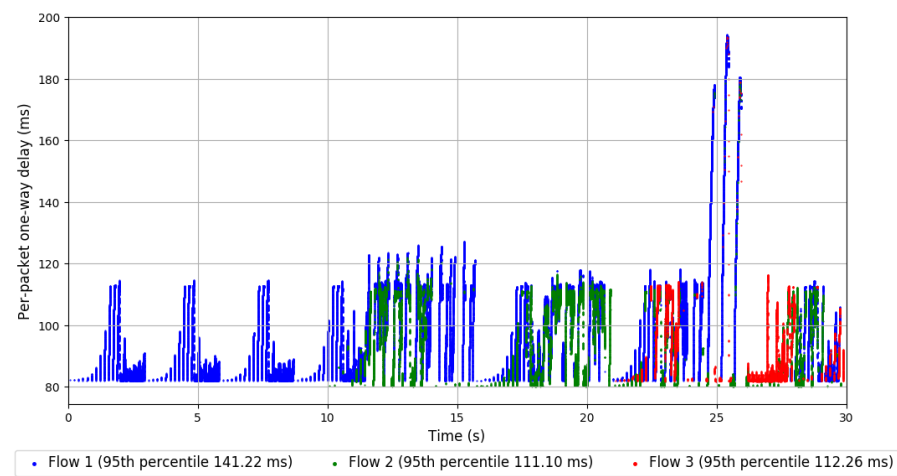
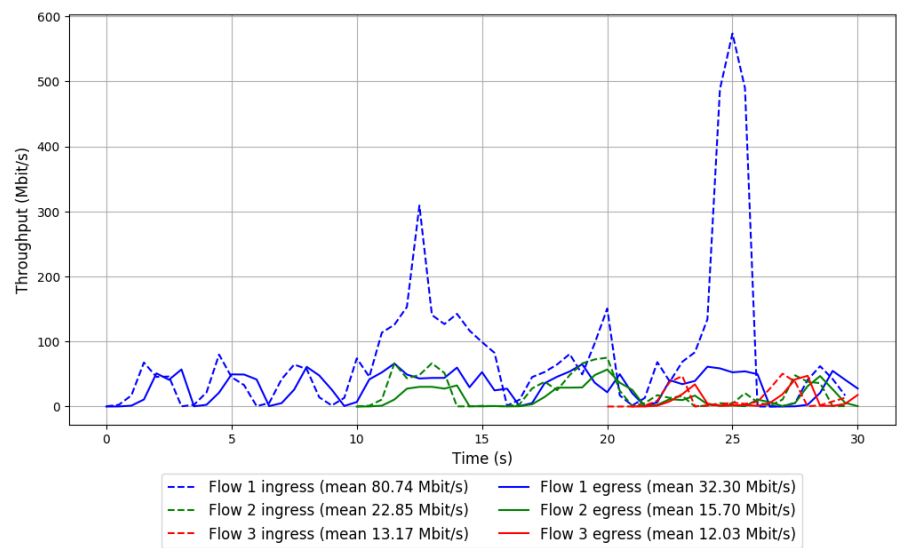


Run 2: Statistics of Verus

Start at: 2018-07-17 17:17:51
End at: 2018-07-17 17:18:21
Local clock offset: -14.013 ms
Remote clock offset: 3.373 ms

Below is generated by plot.py at 2018-07-17 20:31:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.08 Mbit/s
95th percentile per-packet one-way delay: 121.740 ms
Loss rate: 53.80%
-- Flow 1:
Average throughput: 32.30 Mbit/s
95th percentile per-packet one-way delay: 141.215 ms
Loss rate: 59.97%
-- Flow 2:
Average throughput: 15.70 Mbit/s
95th percentile per-packet one-way delay: 111.104 ms
Loss rate: 31.27%
-- Flow 3:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 112.262 ms
Loss rate: 17.92%

Run 2: Report of Verus — Data Link

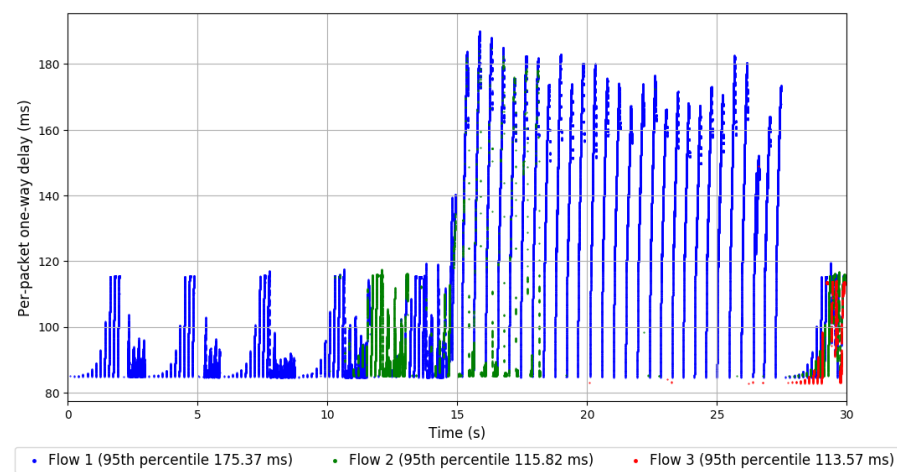
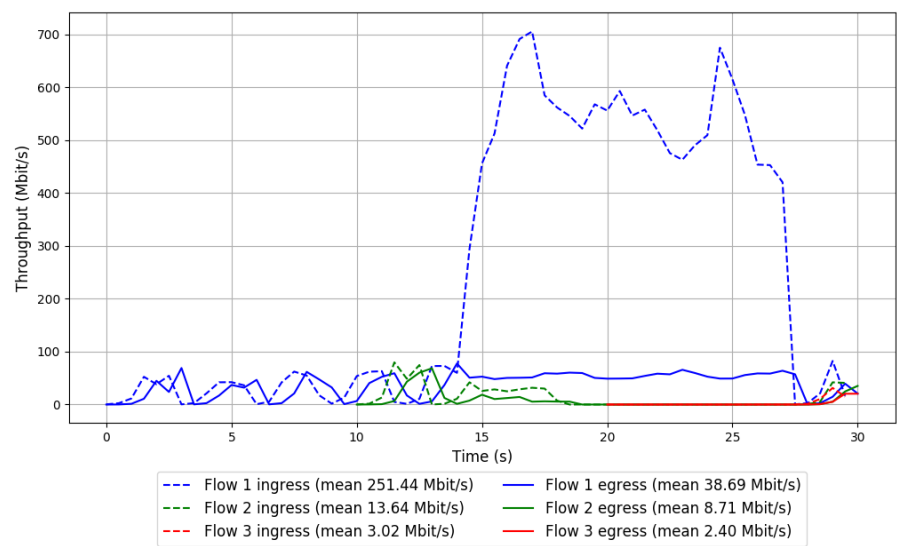


Run 3: Statistics of Verus

Start at: 2018-07-17 17:39:05
End at: 2018-07-17 17:39:35
Local clock offset: -16.493 ms
Remote clock offset: 14.583 ms

Below is generated by plot.py at 2018-07-17 20:31:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.26 Mbit/s
95th percentile per-packet one-way delay: 174.372 ms
Loss rate: 82.67%
-- Flow 1:
Average throughput: 38.69 Mbit/s
95th percentile per-packet one-way delay: 175.366 ms
Loss rate: 84.60%
-- Flow 2:
Average throughput: 8.71 Mbit/s
95th percentile per-packet one-way delay: 115.816 ms
Loss rate: 36.06%
-- Flow 3:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 113.571 ms
Loss rate: 20.05%

Run 3: Report of Verus — Data Link

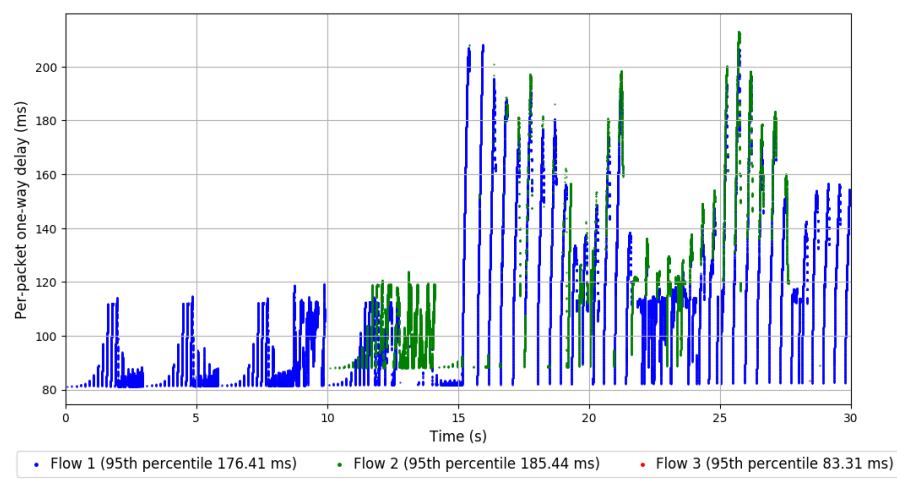
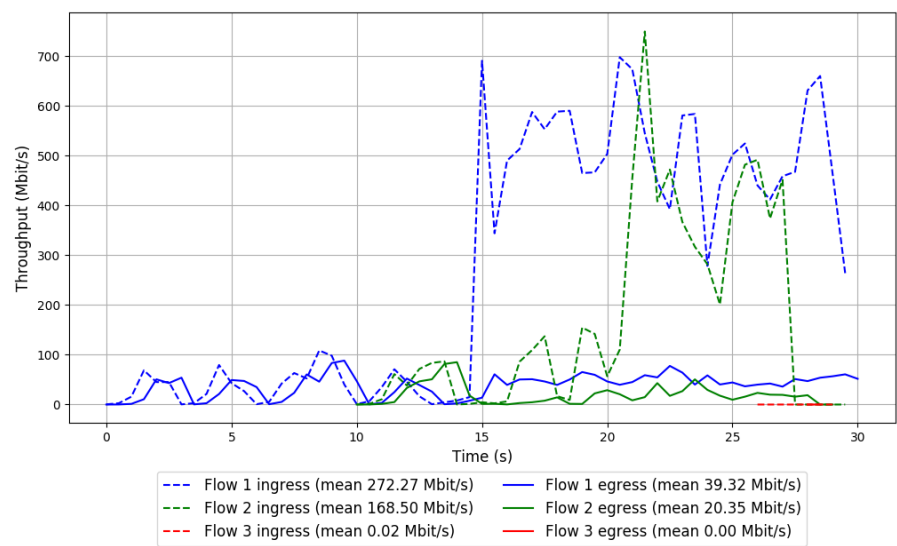


Run 4: Statistics of Verus

Start at: 2018-07-17 18:00:23
End at: 2018-07-17 18:00:53
Local clock offset: -10.108 ms
Remote clock offset: 15.429 ms

Below is generated by plot.py at 2018-07-17 20:32:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.06 Mbit/s
95th percentile per-packet one-way delay: 179.686 ms
Loss rate: 86.40%
-- Flow 1:
Average throughput: 39.32 Mbit/s
95th percentile per-packet one-way delay: 176.409 ms
Loss rate: 85.52%
-- Flow 2:
Average throughput: 20.35 Mbit/s
95th percentile per-packet one-way delay: 185.445 ms
Loss rate: 88.55%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 83.312 ms
Loss rate: 83.33%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-17 18:21:45

End at: 2018-07-17 18:22:15

Local clock offset: 2.399 ms

Remote clock offset: 3.678 ms

Below is generated by plot.py at 2018-07-17 20:32:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.89 Mbit/s

95th percentile per-packet one-way delay: 114.612 ms

Loss rate: 35.95%

-- Flow 1:

Average throughput: 23.98 Mbit/s

95th percentile per-packet one-way delay: 112.266 ms

Loss rate: 24.06%

-- Flow 2:

Average throughput: 26.80 Mbit/s

95th percentile per-packet one-way delay: 135.862 ms

Loss rate: 48.78%

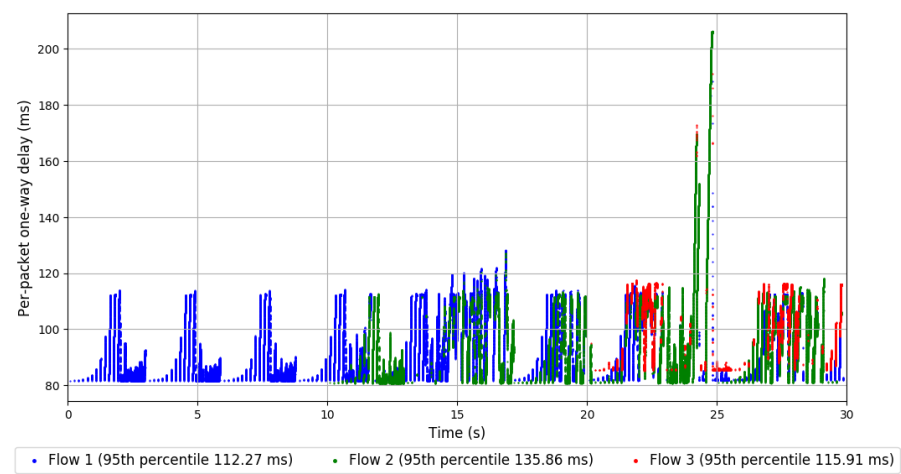
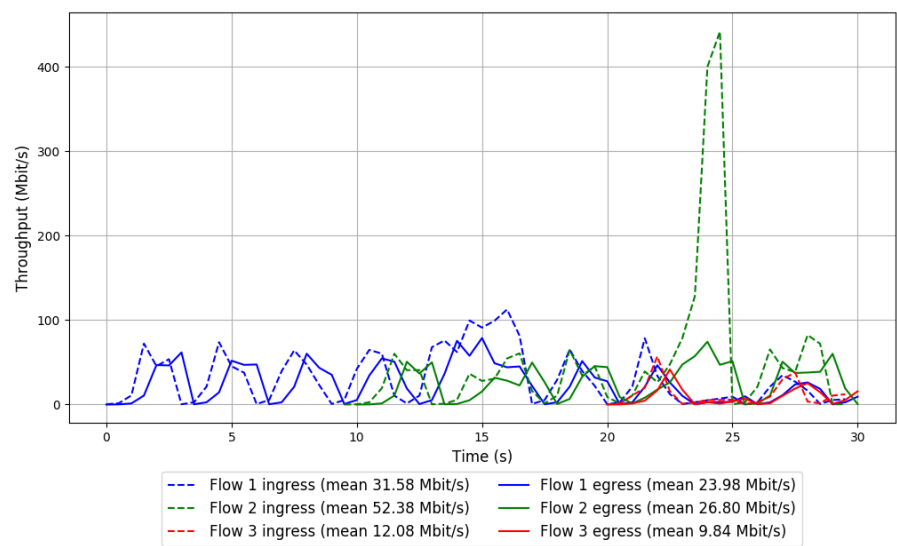
-- Flow 3:

Average throughput: 9.84 Mbit/s

95th percentile per-packet one-way delay: 115.905 ms

Loss rate: 18.36%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-17 18:43:03

End at: 2018-07-17 18:43:33

Local clock offset: 0.678 ms

Remote clock offset: 8.554 ms

Below is generated by plot.py at 2018-07-17 20:32:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.47 Mbit/s

95th percentile per-packet one-way delay: 174.912 ms

Loss rate: 84.51%

-- Flow 1:

Average throughput: 38.43 Mbit/s

95th percentile per-packet one-way delay: 176.083 ms

Loss rate: 86.19%

-- Flow 2:

Average throughput: 9.25 Mbit/s

95th percentile per-packet one-way delay: 117.530 ms

Loss rate: 35.40%

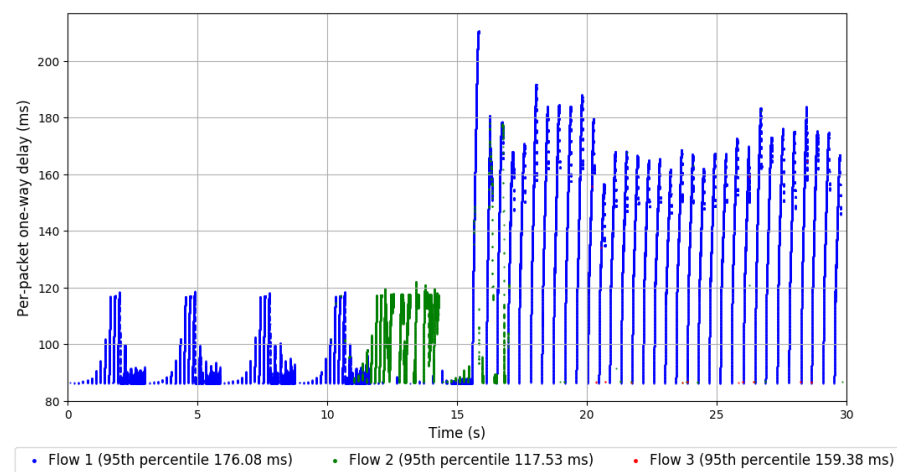
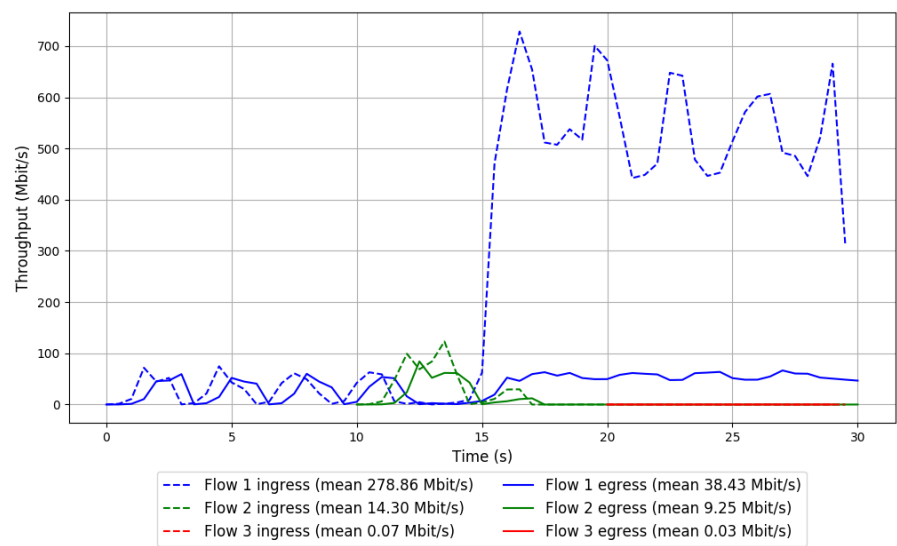
-- Flow 3:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 159.384 ms

Loss rate: 61.82%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-17 19:04:18

End at: 2018-07-17 19:04:48

Local clock offset: 0.13 ms

Remote clock offset: 4.023 ms

Below is generated by plot.py at 2018-07-17 20:32:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.31 Mbit/s

95th percentile per-packet one-way delay: 159.566 ms

Loss rate: 79.70%

-- Flow 1:

Average throughput: 14.67 Mbit/s

95th percentile per-packet one-way delay: 112.429 ms

Loss rate: 34.46%

-- Flow 2:

Average throughput: 41.93 Mbit/s

95th percentile per-packet one-way delay: 162.416 ms

Loss rate: 85.65%

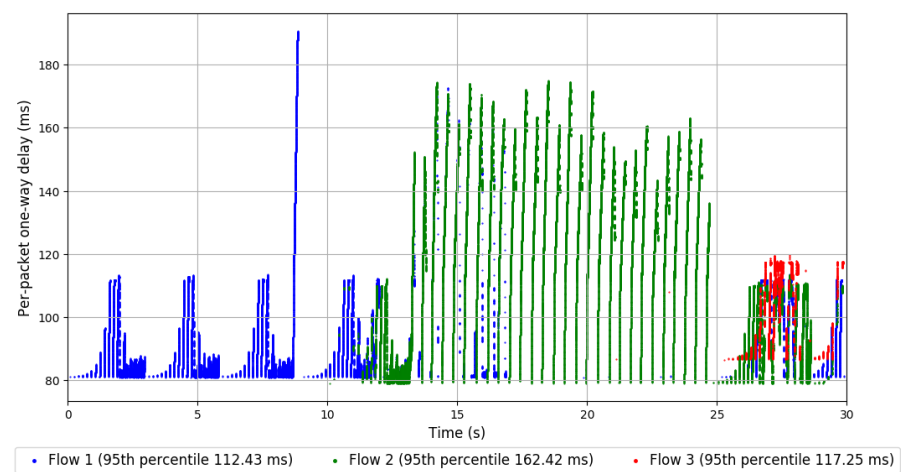
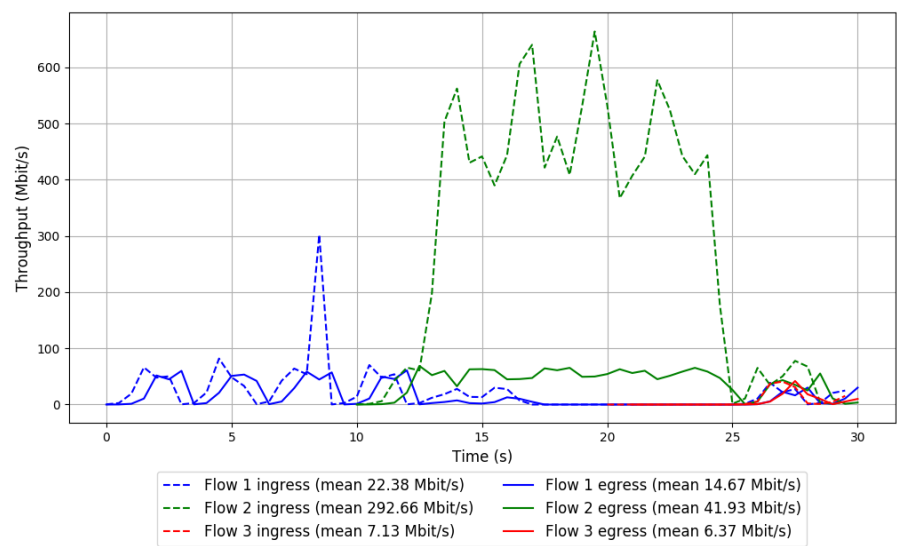
-- Flow 3:

Average throughput: 6.37 Mbit/s

95th percentile per-packet one-way delay: 117.245 ms

Loss rate: 19.55%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-17 19:25:38

End at: 2018-07-17 19:26:08

Local clock offset: 22.679 ms

Remote clock offset: 8.683 ms

Below is generated by plot.py at 2018-07-17 20:32:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.01 Mbit/s

95th percentile per-packet one-way delay: 145.266 ms

Loss rate: 72.35%

-- Flow 1:

Average throughput: 18.74 Mbit/s

95th percentile per-packet one-way delay: 89.134 ms

Loss rate: 17.06%

-- Flow 2:

Average throughput: 35.23 Mbit/s

95th percentile per-packet one-way delay: 154.014 ms

Loss rate: 82.66%

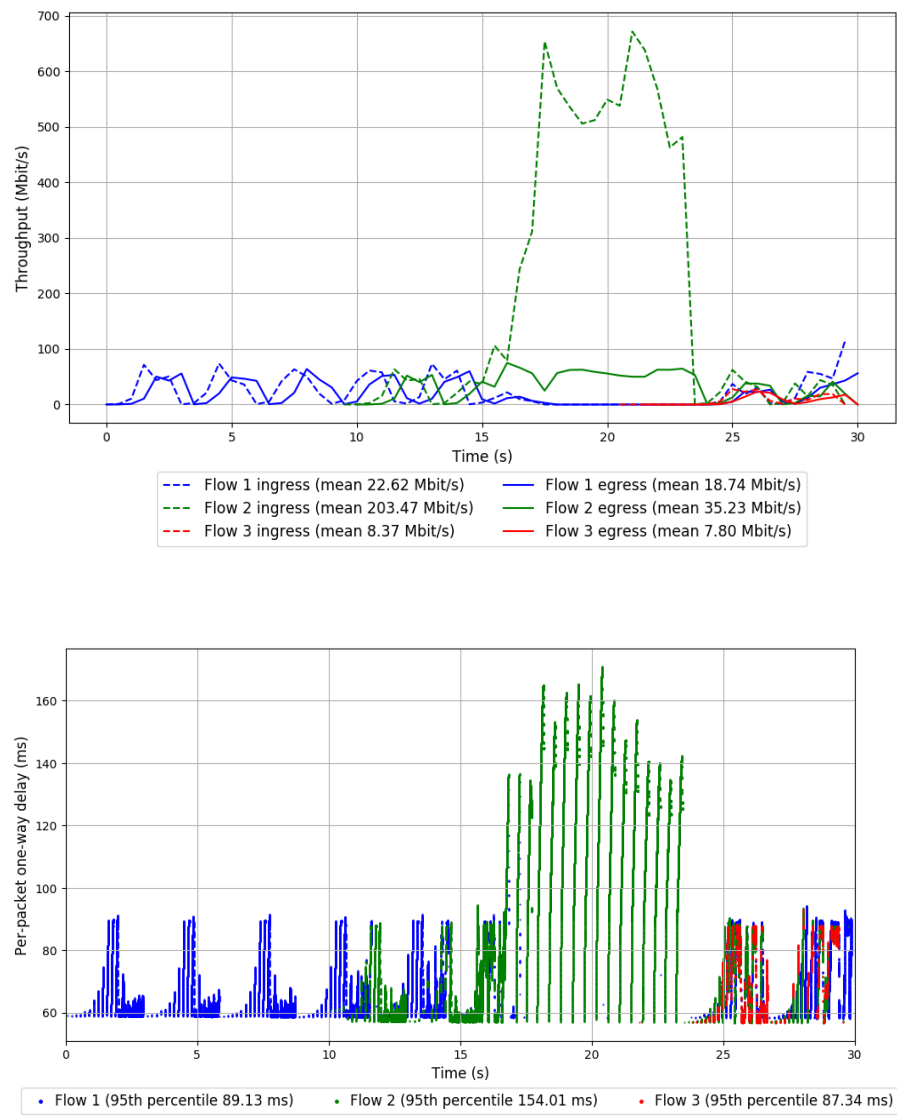
-- Flow 3:

Average throughput: 7.80 Mbit/s

95th percentile per-packet one-way delay: 87.336 ms

Loss rate: 18.99%

Run 8: Report of Verus — Data Link

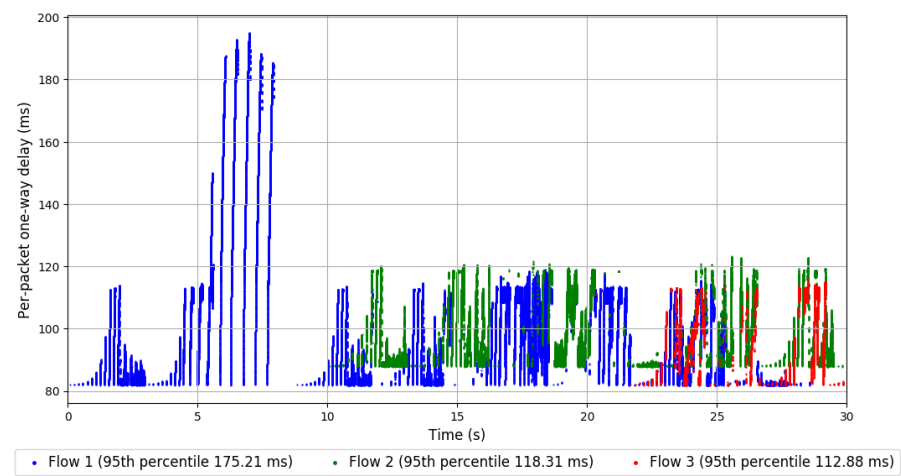
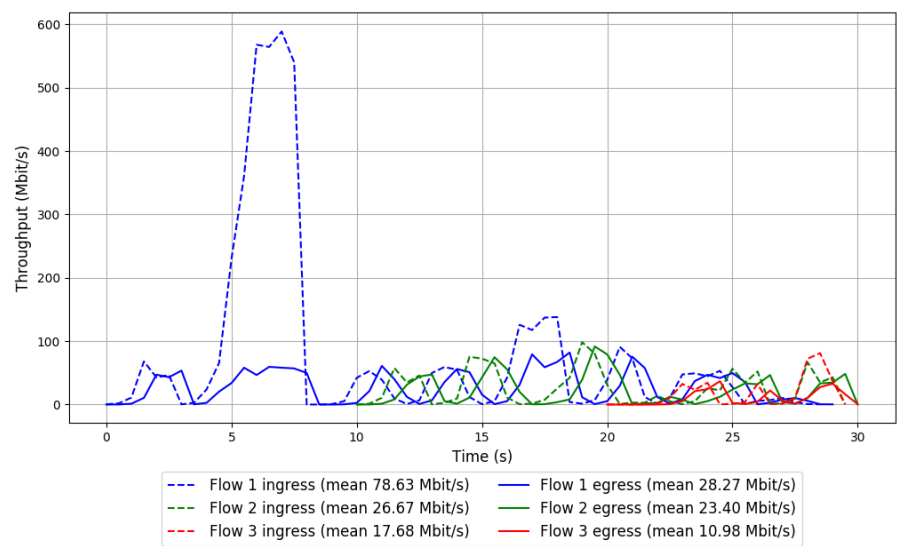


Run 9: Statistics of Verus

Start at: 2018-07-17 19:47:02
End at: 2018-07-17 19:47:32
Local clock offset: -13.728 ms
Remote clock offset: 9.367 ms

Below is generated by plot.py at 2018-07-17 20:32:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.16 Mbit/s
95th percentile per-packet one-way delay: 151.515 ms
Loss rate: 53.45%
-- Flow 1:
Average throughput: 28.27 Mbit/s
95th percentile per-packet one-way delay: 175.213 ms
Loss rate: 64.26%
-- Flow 2:
Average throughput: 23.40 Mbit/s
95th percentile per-packet one-way delay: 118.306 ms
Loss rate: 12.26%
-- Flow 3:
Average throughput: 10.98 Mbit/s
95th percentile per-packet one-way delay: 112.882 ms
Loss rate: 38.03%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-17 20:08:16

End at: 2018-07-17 20:08:46

Local clock offset: -4.253 ms

Remote clock offset: 7.679 ms

Below is generated by plot.py at 2018-07-17 20:32:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.52 Mbit/s

95th percentile per-packet one-way delay: 161.795 ms

Loss rate: 82.37%

-- Flow 1:

Average throughput: 39.72 Mbit/s

95th percentile per-packet one-way delay: 162.453 ms

Loss rate: 84.14%

-- Flow 2:

Average throughput: 5.40 Mbit/s

95th percentile per-packet one-way delay: 112.049 ms

Loss rate: 25.03%

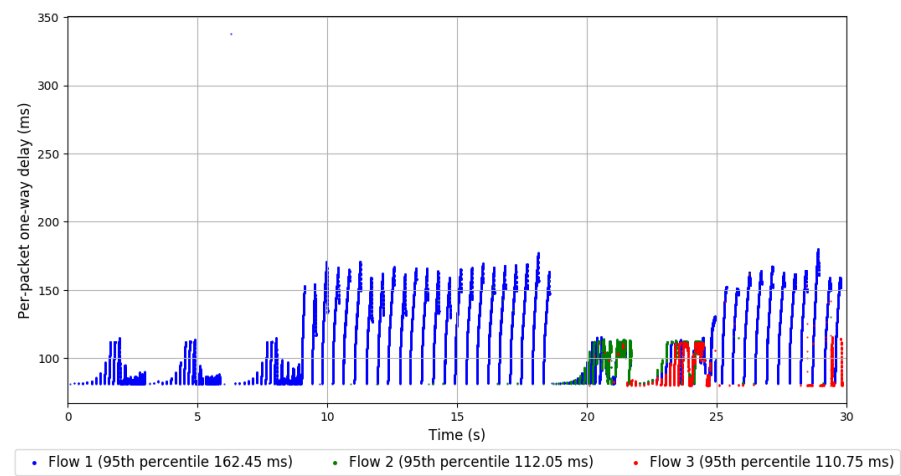
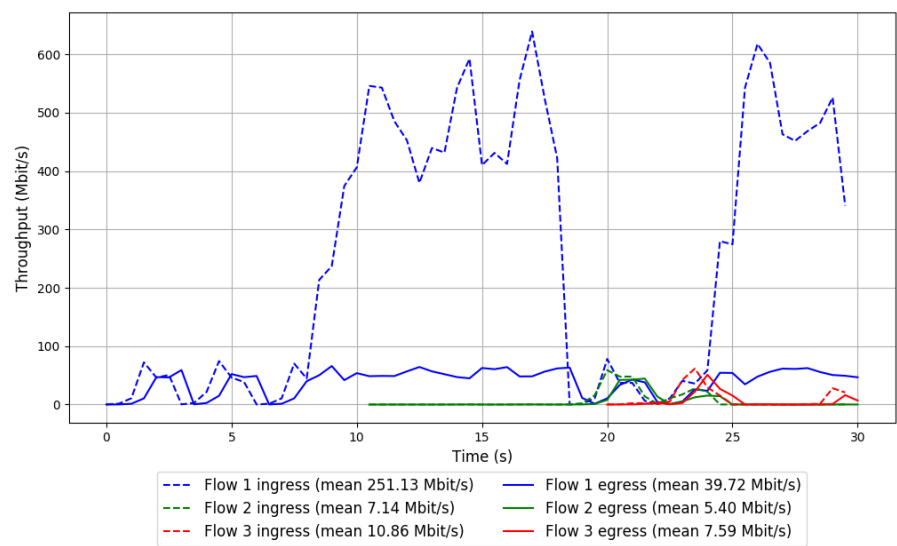
-- Flow 3:

Average throughput: 7.59 Mbit/s

95th percentile per-packet one-way delay: 110.752 ms

Loss rate: 30.13%

Run 10: Report of Verus — Data Link

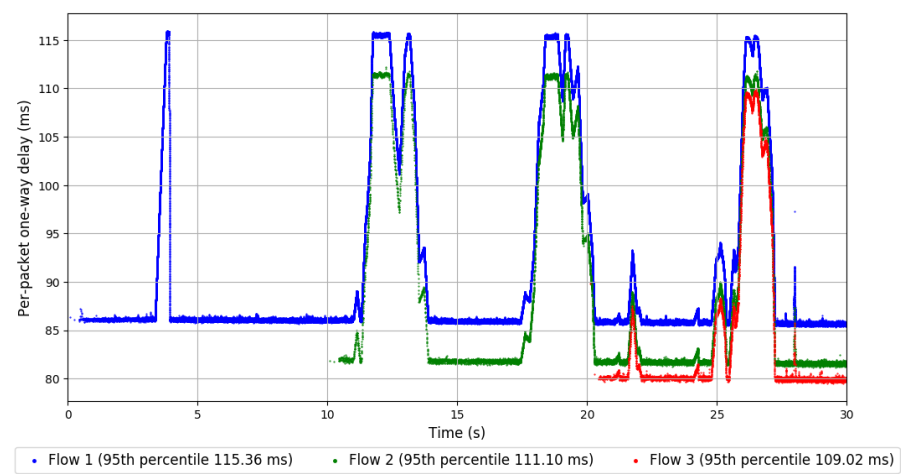
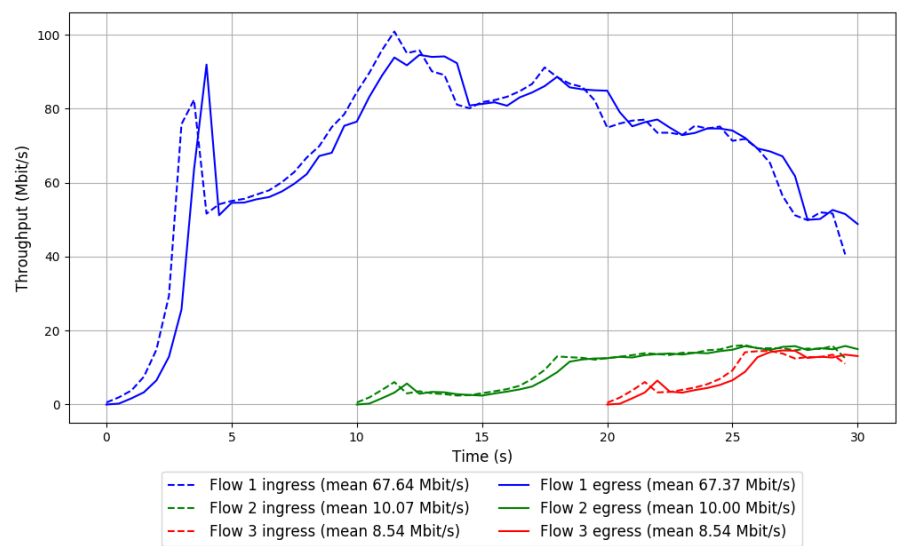


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-17 16:51:35
End at: 2018-07-17 16:52:05
Local clock offset: -7.951 ms
Remote clock offset: -6.588 ms

Below is generated by plot.py at 2018-07-17 20:32:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.85 Mbit/s
95th percentile per-packet one-way delay: 115.299 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 67.37 Mbit/s
95th percentile per-packet one-way delay: 115.360 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 10.00 Mbit/s
95th percentile per-packet one-way delay: 111.102 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 8.54 Mbit/s
95th percentile per-packet one-way delay: 109.023 ms
Loss rate: 0.18%

Run 1: Report of PCC-Vivace — Data Link

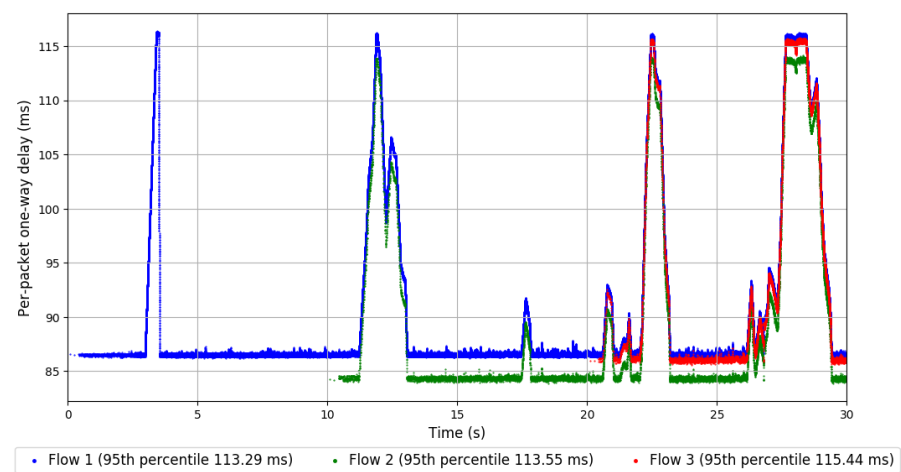
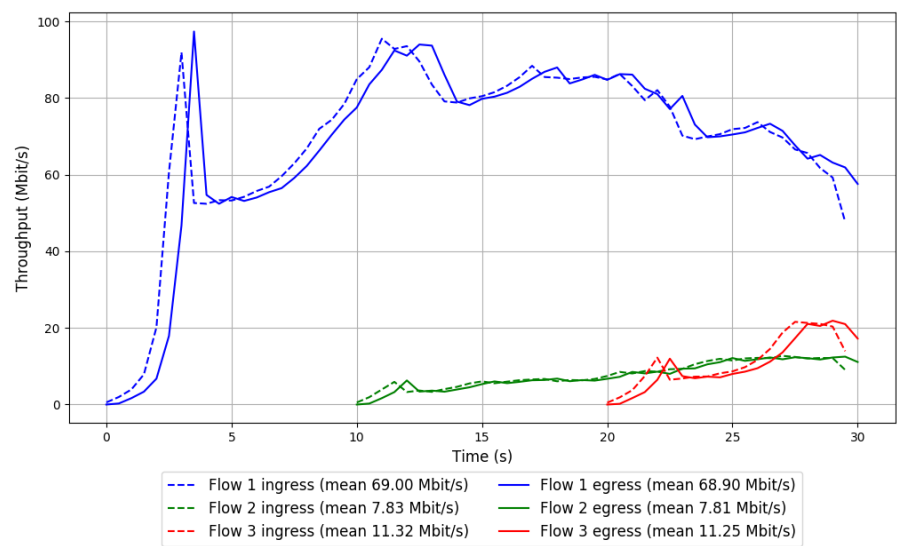


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-17 17:12:50
End at: 2018-07-17 17:13:20
Local clock offset: -13.242 ms
Remote clock offset: 6.844 ms

Below is generated by plot.py at 2018-07-17 20:32:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.81 Mbit/s
95th percentile per-packet one-way delay: 113.852 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 68.90 Mbit/s
95th percentile per-packet one-way delay: 113.289 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 113.545 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 11.25 Mbit/s
95th percentile per-packet one-way delay: 115.442 ms
Loss rate: 0.61%

Run 2: Report of PCC-Vivace — Data Link

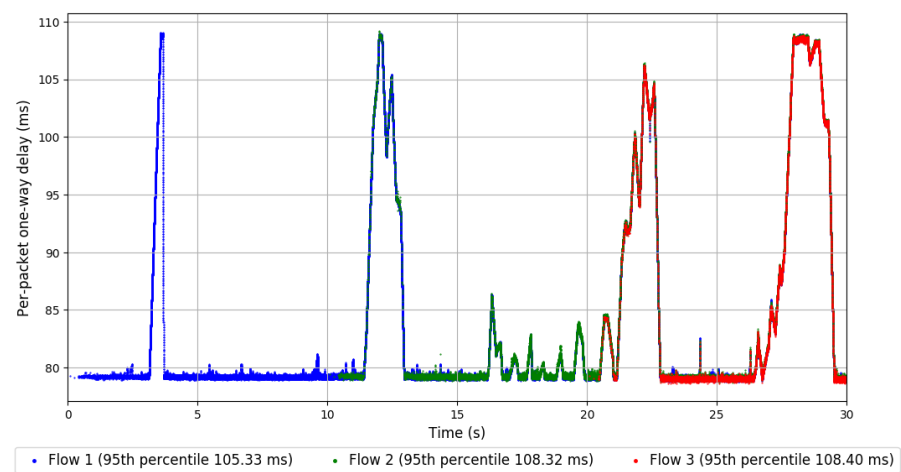
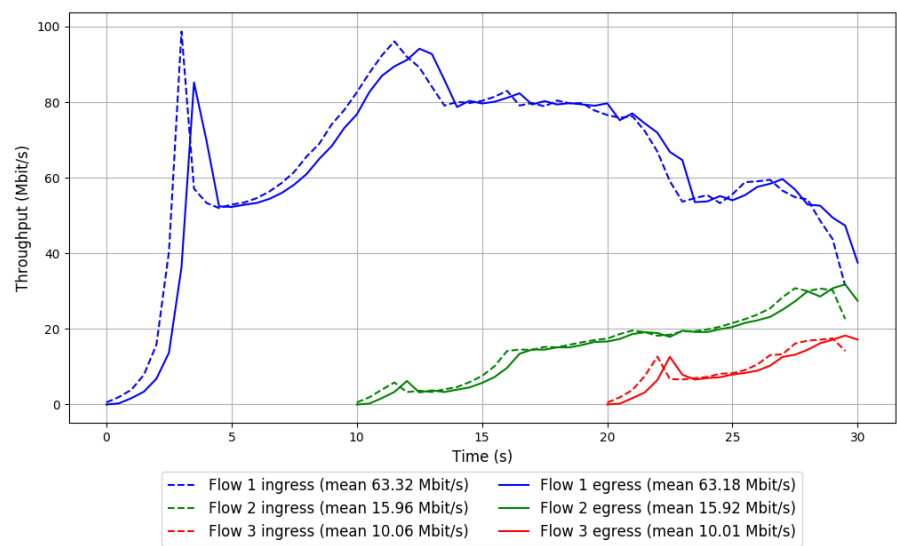


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-17 17:34:03
End at: 2018-07-17 17:34:33
Local clock offset: -15.948 ms
Remote clock offset: 8.646 ms

Below is generated by plot.py at 2018-07-17 20:33:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.07 Mbit/s
95th percentile per-packet one-way delay: 107.135 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 63.18 Mbit/s
95th percentile per-packet one-way delay: 105.326 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 15.92 Mbit/s
95th percentile per-packet one-way delay: 108.322 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 10.01 Mbit/s
95th percentile per-packet one-way delay: 108.397 ms
Loss rate: 0.51%

Run 3: Report of PCC-Vivace — Data Link

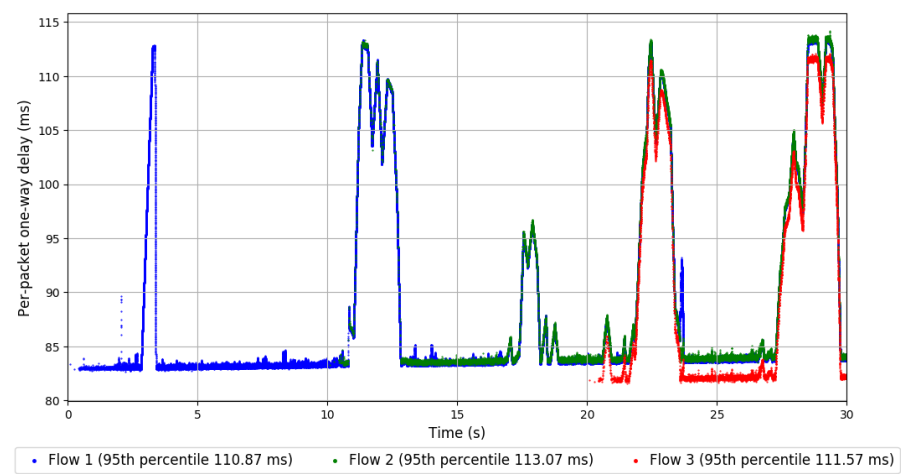
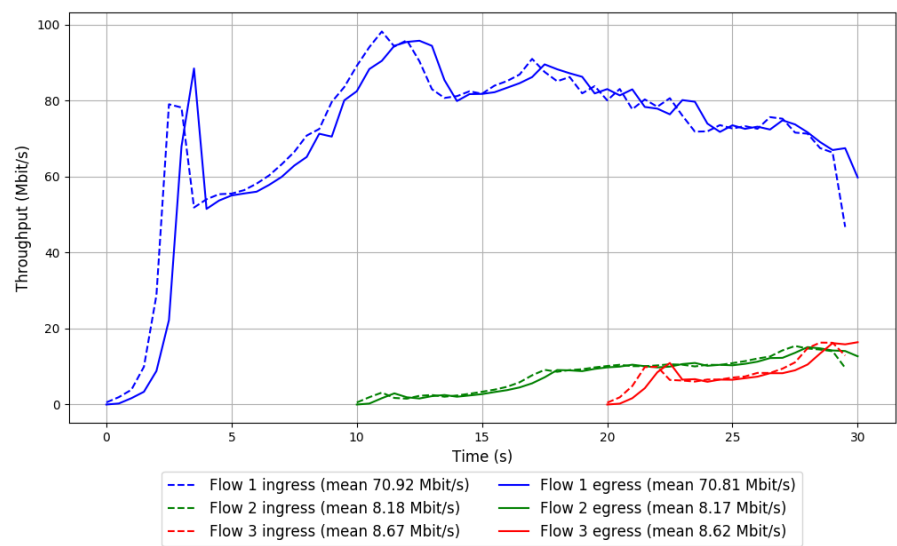


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-17 17:55:22
End at: 2018-07-17 17:55:52
Local clock offset: -18.213 ms
Remote clock offset: 15.959 ms

Below is generated by plot.py at 2018-07-17 20:33:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.08 Mbit/s
95th percentile per-packet one-way delay: 111.357 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 70.81 Mbit/s
95th percentile per-packet one-way delay: 110.866 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 8.17 Mbit/s
95th percentile per-packet one-way delay: 113.067 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 8.62 Mbit/s
95th percentile per-packet one-way delay: 111.572 ms
Loss rate: 0.54%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-17 18:16:42

End at: 2018-07-17 18:17:12

Local clock offset: 0.851 ms

Remote clock offset: 9.561 ms

Below is generated by plot.py at 2018-07-17 20:33:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.41 Mbit/s

95th percentile per-packet one-way delay: 116.005 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 62.17 Mbit/s

95th percentile per-packet one-way delay: 116.018 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 16.19 Mbit/s

95th percentile per-packet one-way delay: 115.096 ms

Loss rate: 1.32%

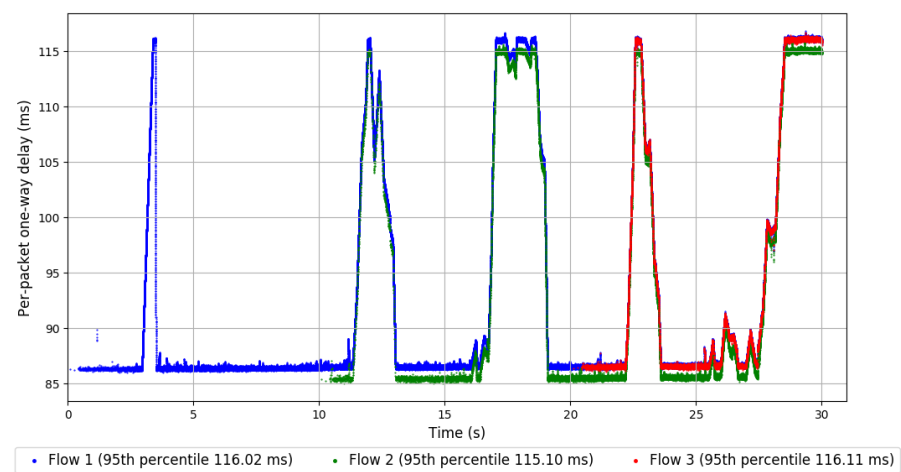
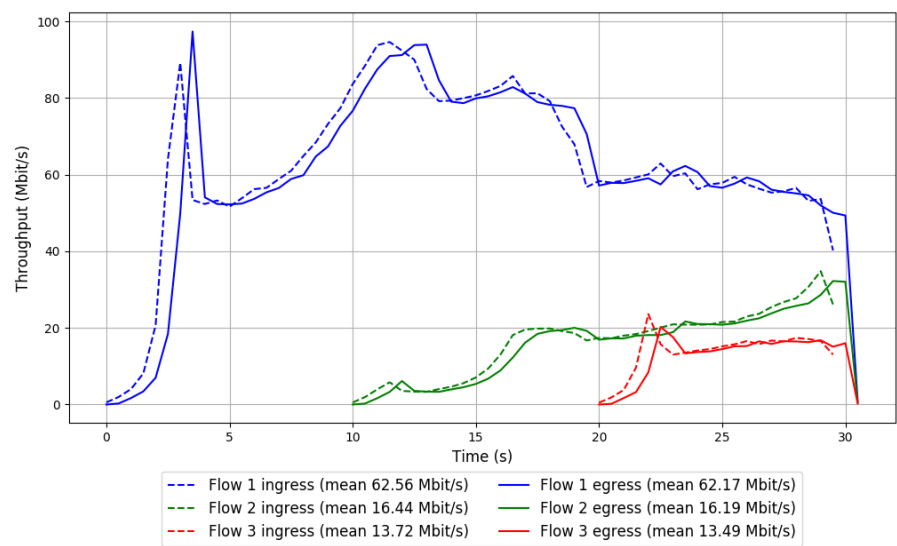
-- Flow 3:

Average throughput: 13.49 Mbit/s

95th percentile per-packet one-way delay: 116.110 ms

Loss rate: 1.39%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-17 18:37:59

End at: 2018-07-17 18:38:29

Local clock offset: 0.63 ms

Remote clock offset: 9.307 ms

Below is generated by plot.py at 2018-07-17 20:33:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.03 Mbit/s

95th percentile per-packet one-way delay: 113.525 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 66.69 Mbit/s

95th percentile per-packet one-way delay: 113.716 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 14.73 Mbit/s

95th percentile per-packet one-way delay: 107.368 ms

Loss rate: 0.32%

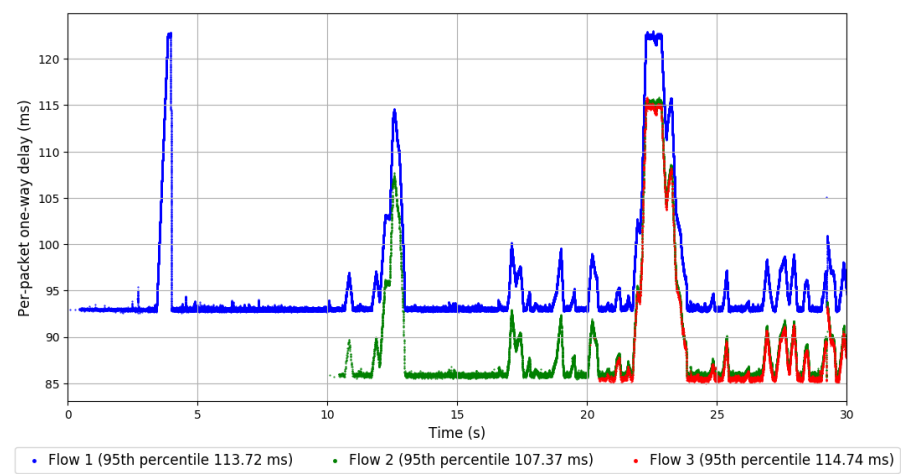
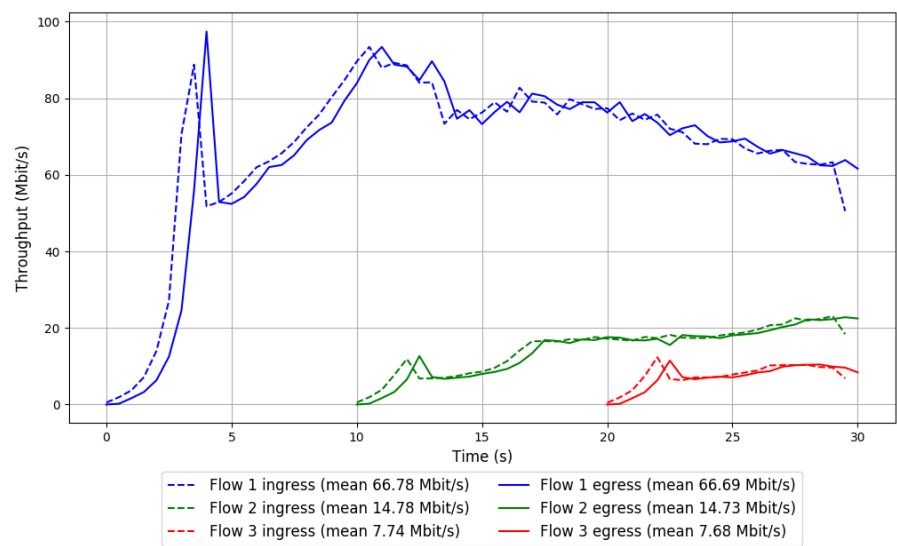
-- Flow 3:

Average throughput: 7.68 Mbit/s

95th percentile per-packet one-way delay: 114.737 ms

Loss rate: 0.72%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-17 18:59:17

End at: 2018-07-17 18:59:47

Local clock offset: 0.668 ms

Remote clock offset: 8.94 ms

Below is generated by plot.py at 2018-07-17 20:33:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.05 Mbit/s

95th percentile per-packet one-way delay: 113.197 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 62.81 Mbit/s

95th percentile per-packet one-way delay: 114.239 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 14.31 Mbit/s

95th percentile per-packet one-way delay: 111.264 ms

Loss rate: 0.16%

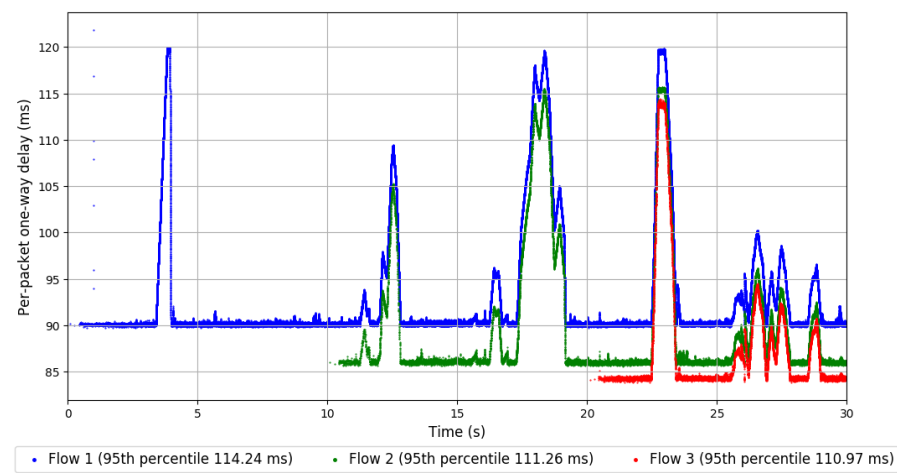
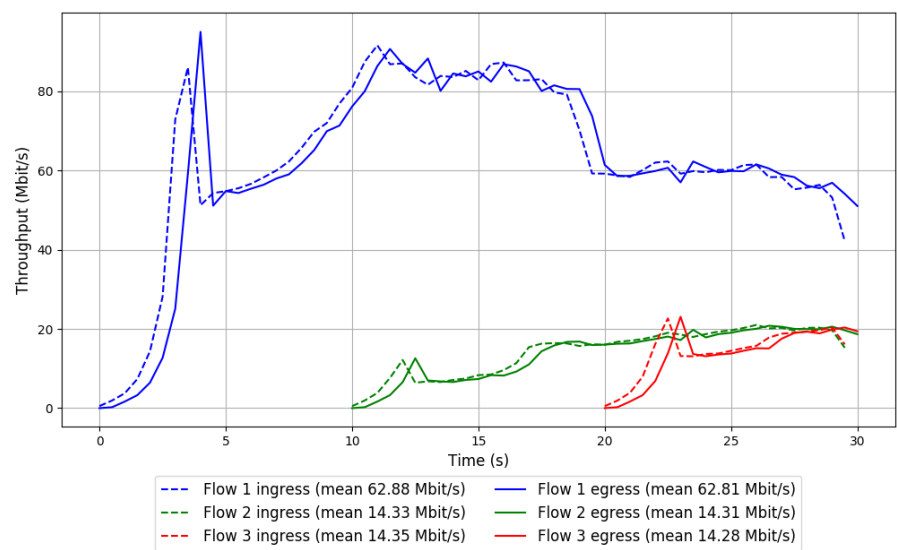
-- Flow 3:

Average throughput: 14.28 Mbit/s

95th percentile per-packet one-way delay: 110.967 ms

Loss rate: 0.47%

Run 7: Report of PCC-Vivace — Data Link

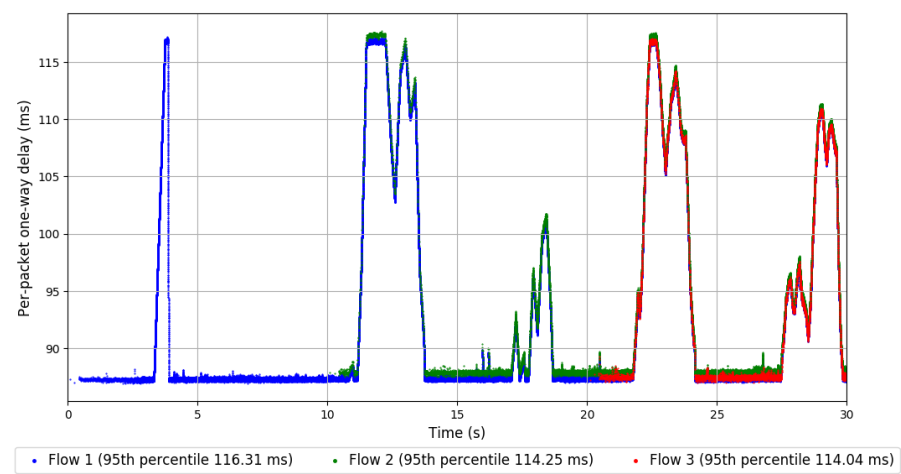
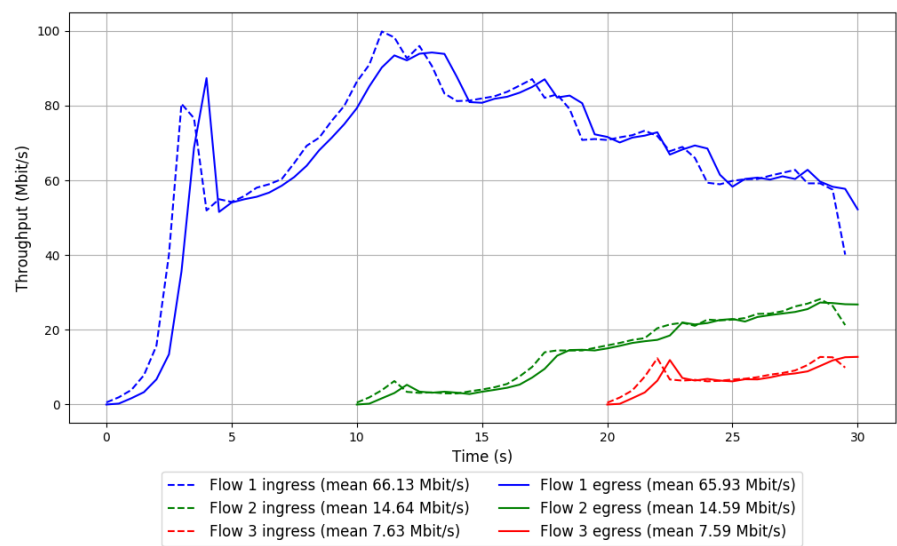


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-17 19:20:34
End at: 2018-07-17 19:21:04
Local clock offset: 0.252 ms
Remote clock offset: 13.188 ms

```
# Below is generated by plot.py at 2018-07-17 20:33:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.14 Mbit/s
95th percentile per-packet one-way delay: 116.049 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 65.93 Mbit/s
95th percentile per-packet one-way delay: 116.307 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 14.59 Mbit/s
95th percentile per-packet one-way delay: 114.255 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 114.044 ms
Loss rate: 0.48%
```

Run 8: Report of PCC-Vivace — Data Link

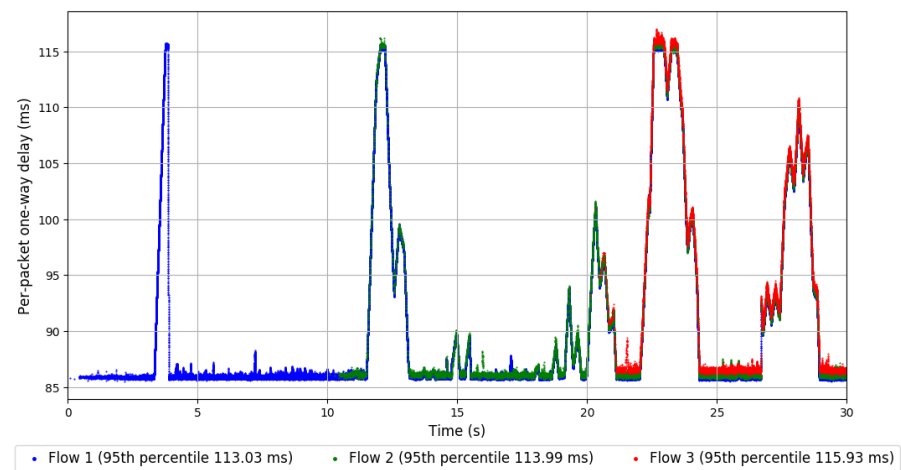
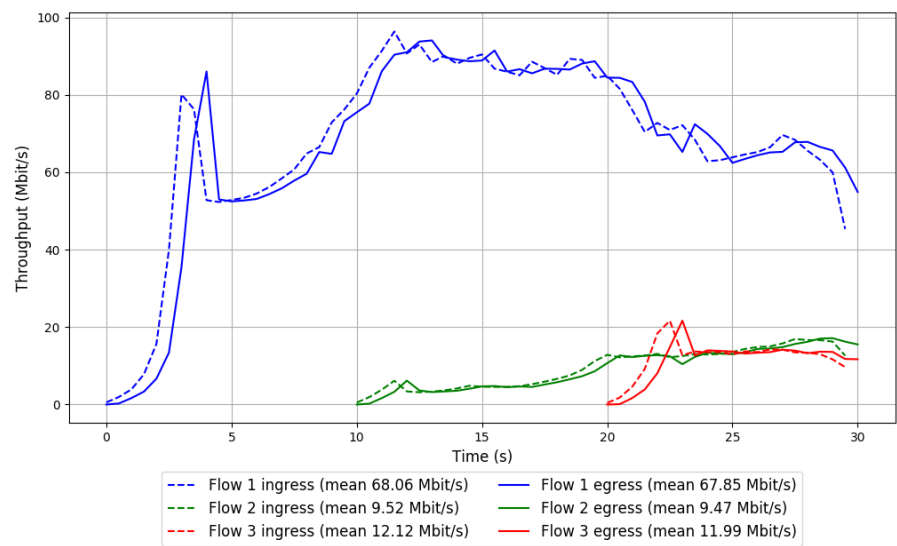


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-17 19:41:59
End at: 2018-07-17 19:42:29
Local clock offset: -12.371 ms
Remote clock offset: 13.881 ms

Below is generated by plot.py at 2018-07-17 20:33:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.10 Mbit/s
95th percentile per-packet one-way delay: 113.676 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 67.85 Mbit/s
95th percentile per-packet one-way delay: 113.030 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 9.47 Mbit/s
95th percentile per-packet one-way delay: 113.989 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 11.99 Mbit/s
95th percentile per-packet one-way delay: 115.929 ms
Loss rate: 1.15%

Run 9: Report of PCC-Vivace — Data Link

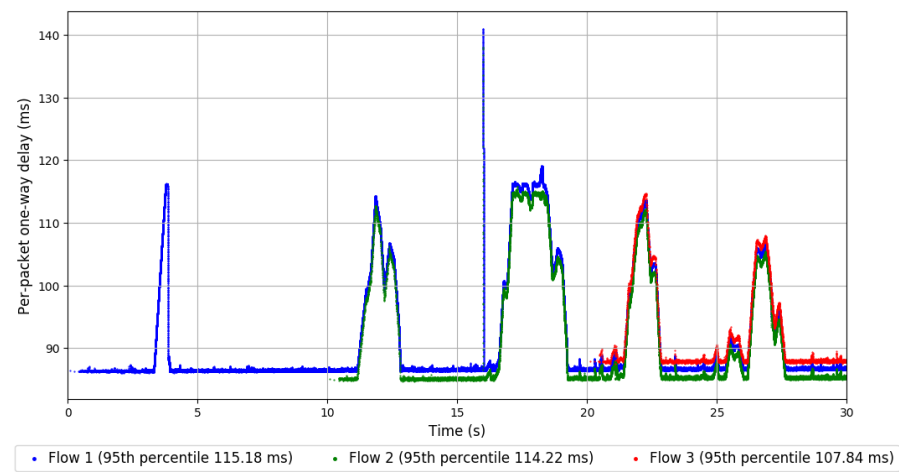
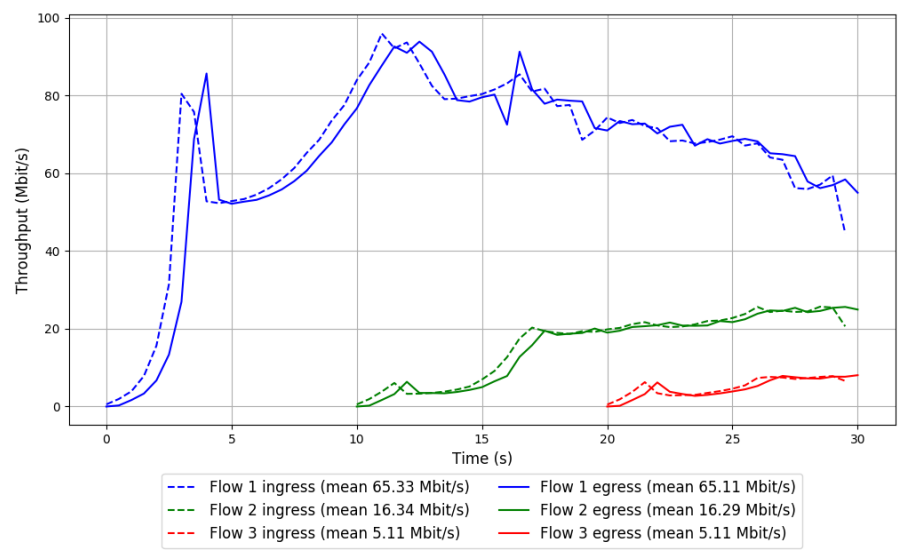


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-17 20:03:14
End at: 2018-07-17 20:03:44
Local clock offset: -6.966 ms
Remote clock offset: 12.646 ms

Below is generated by plot.py at 2018-07-17 20:33:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.63 Mbit/s
95th percentile per-packet one-way delay: 114.625 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 65.11 Mbit/s
95th percentile per-packet one-way delay: 115.180 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 16.29 Mbit/s
95th percentile per-packet one-way delay: 114.217 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 5.11 Mbit/s
95th percentile per-packet one-way delay: 107.839 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

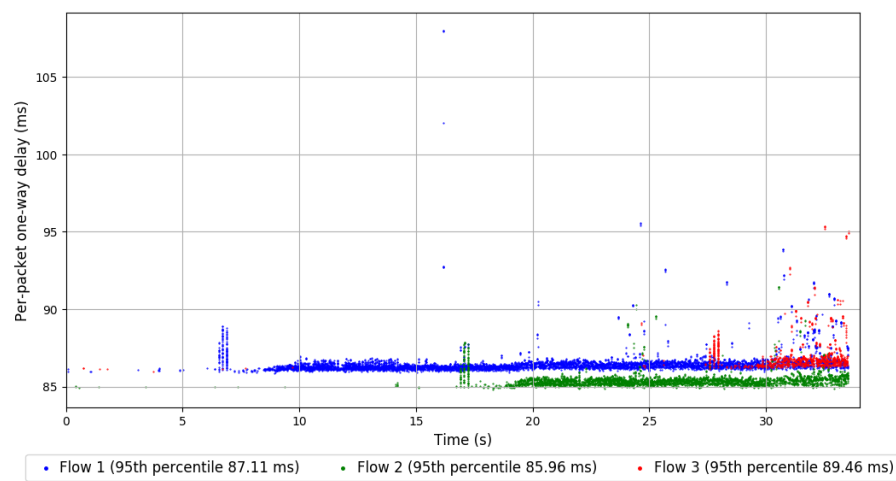
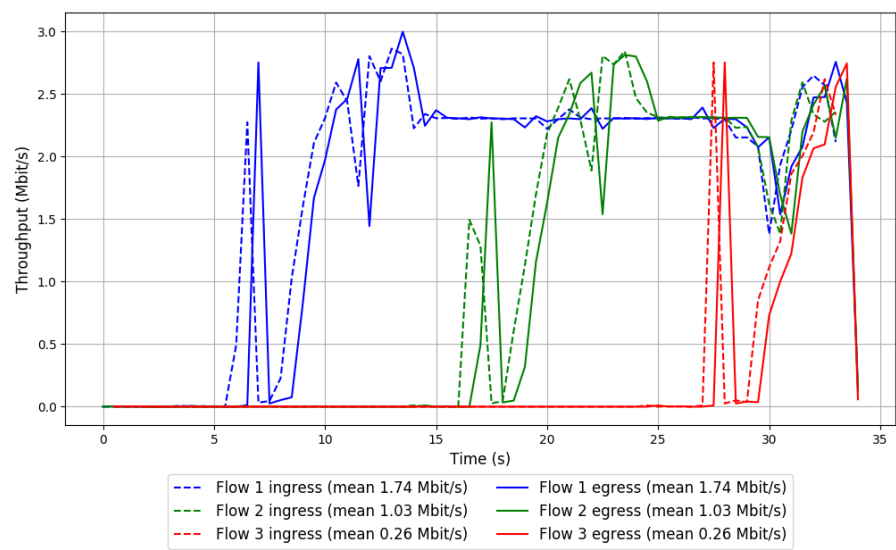


Run 1: Statistics of WebRTC media

Start at: 2018-07-17 16:42:50
End at: 2018-07-17 16:43:20
Local clock offset: -7.23 ms
Remote clock offset: -0.869 ms

Below is generated by plot.py at 2018-07-17 20:33:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 87.273 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 87.111 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 85.958 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 89.458 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

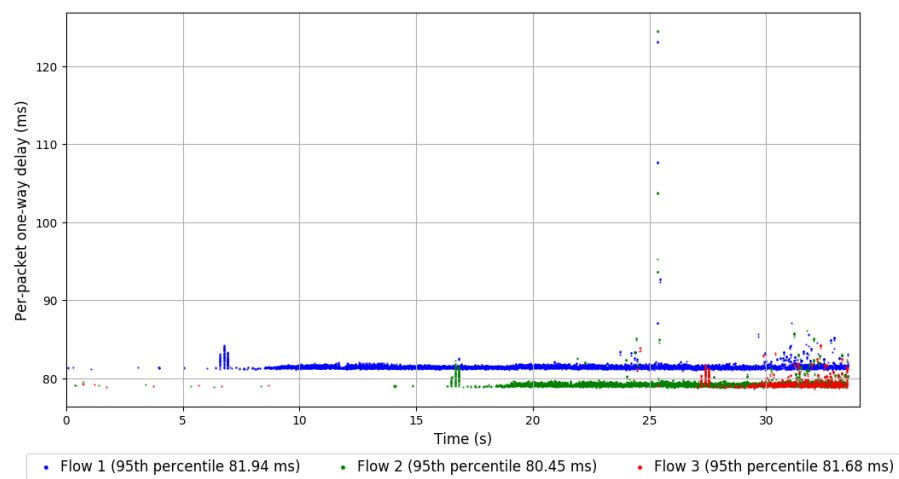
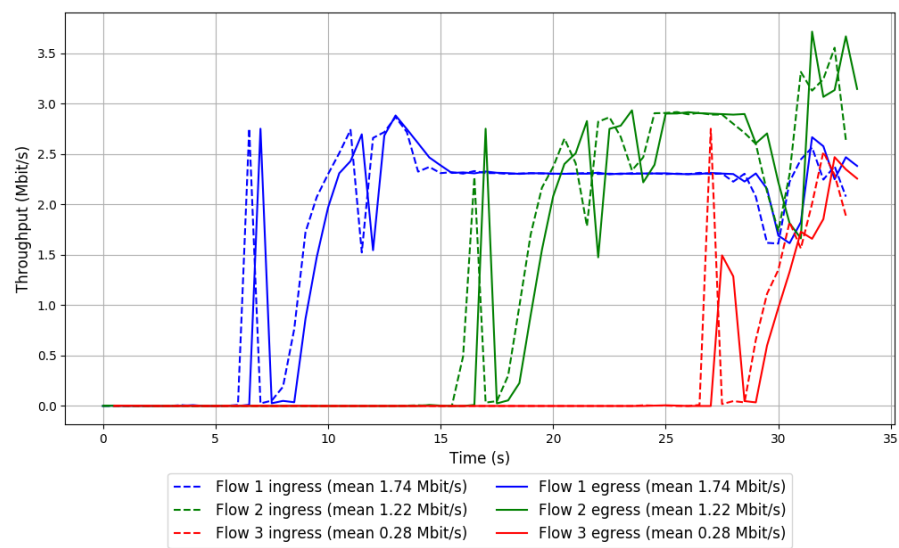


Run 2: Statistics of WebRTC media

Start at: 2018-07-17 17:04:07
End at: 2018-07-17 17:04:37
Local clock offset: -11.489 ms
Remote clock offset: 0.123 ms

Below is generated by plot.py at 2018-07-17 20:33:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 81.813 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 81.943 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 80.451 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 81.683 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

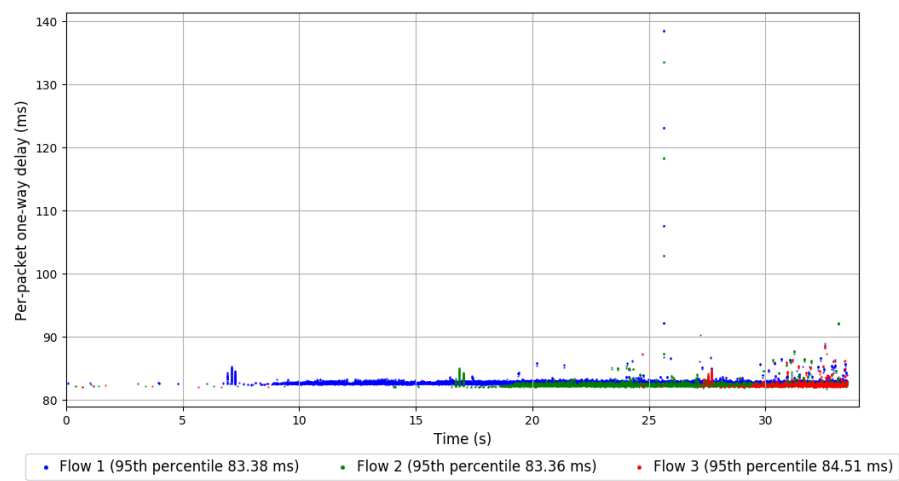
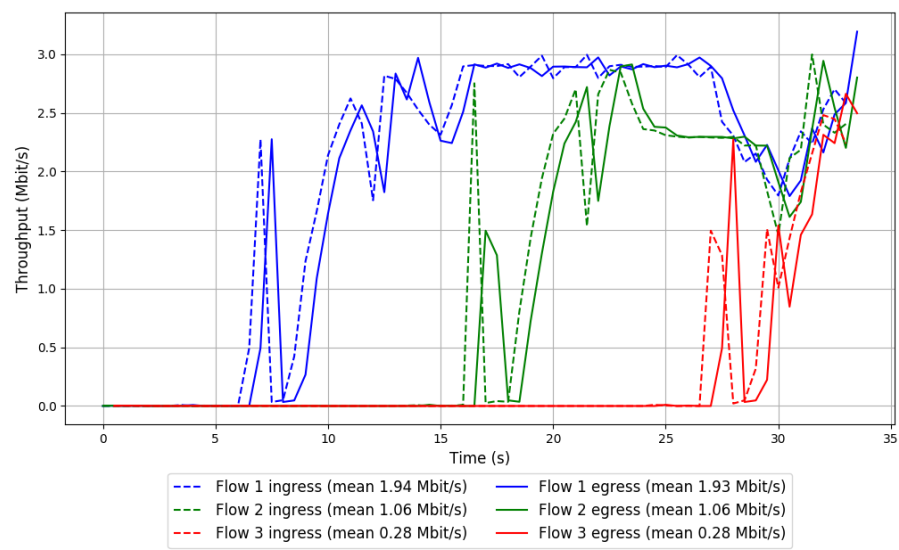


Run 3: Statistics of WebRTC media

Start at: 2018-07-17 17:25:20
End at: 2018-07-17 17:25:50
Local clock offset: -14.952 ms
Remote clock offset: 3.737 ms

Below is generated by plot.py at 2018-07-17 20:33:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 83.516 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 83.383 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 83.360 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 84.511 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

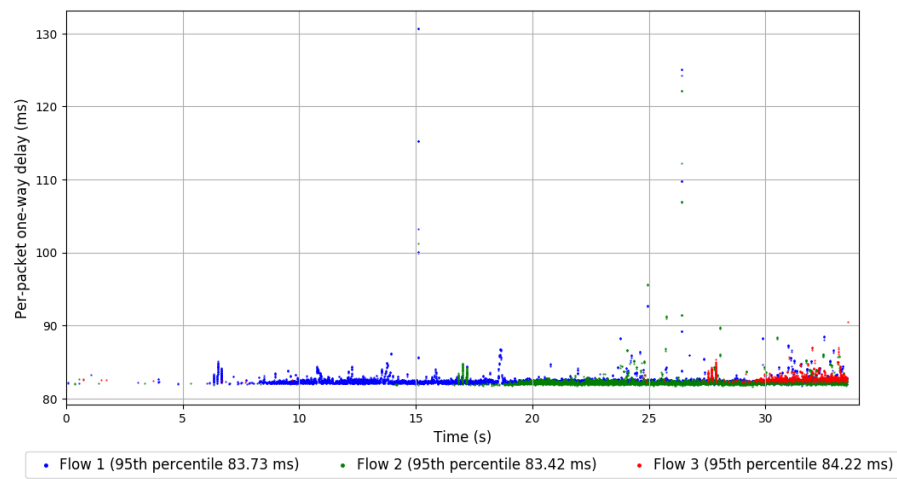
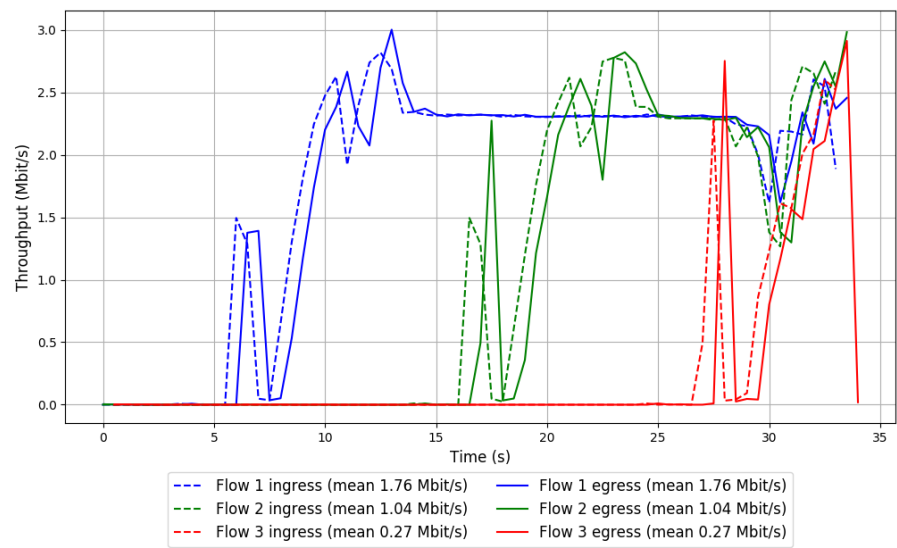


Run 4: Statistics of WebRTC media

Start at: 2018-07-17 17:46:38
End at: 2018-07-17 17:47:08
Local clock offset: -17.279 ms
Remote clock offset: 14.107 ms

Below is generated by plot.py at 2018-07-17 20:33:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 83.727 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 83.731 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 83.420 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 84.216 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

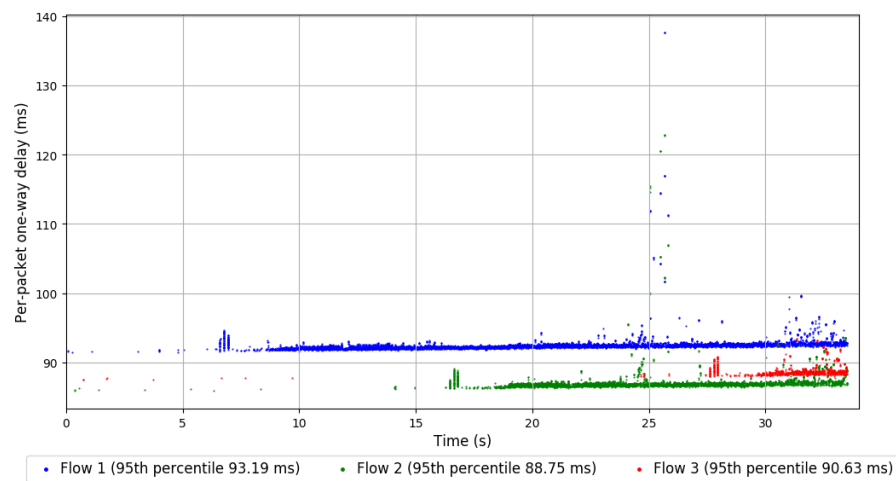
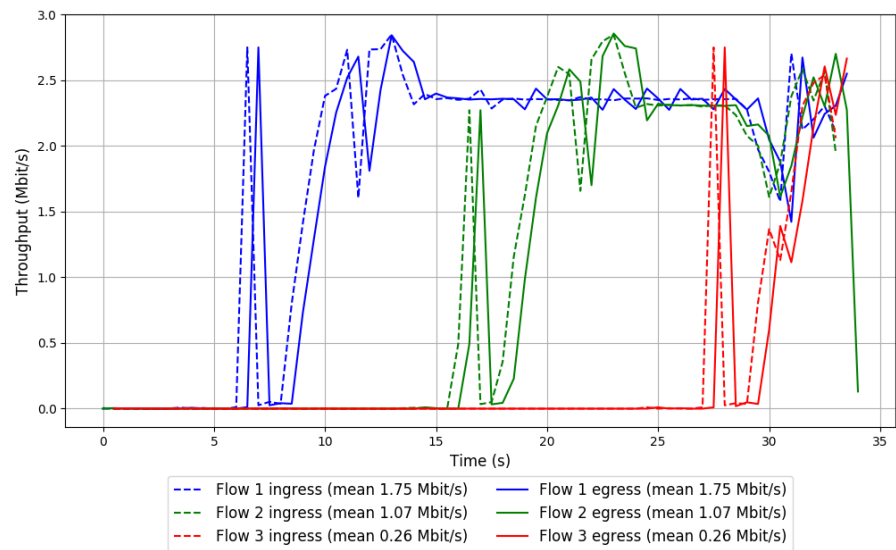


Run 5: Statistics of WebRTC media

Start at: 2018-07-17 18:07:59
End at: 2018-07-17 18:08:29
Local clock offset: -3.316 ms
Remote clock offset: 14.014 ms

Below is generated by plot.py at 2018-07-17 20:33:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 92.920 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 93.188 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: 88.754 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 90.629 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-17 18:29:14

End at: 2018-07-17 18:29:44

Local clock offset: 1.802 ms

Remote clock offset: 7.979 ms

Below is generated by plot.py at 2018-07-17 20:33:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.90 Mbit/s

95th percentile per-packet one-way delay: 87.285 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.59 Mbit/s

95th percentile per-packet one-way delay: 85.853 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.05 Mbit/s

95th percentile per-packet one-way delay: 87.798 ms

Loss rate: 0.00%

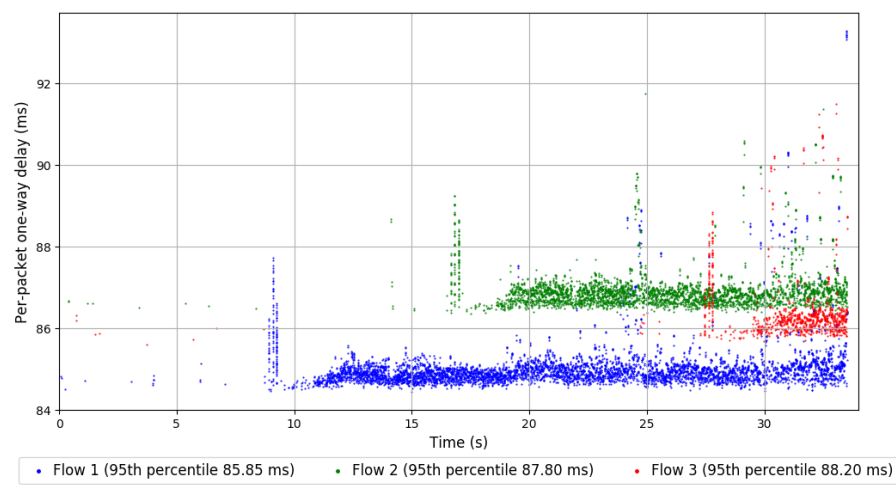
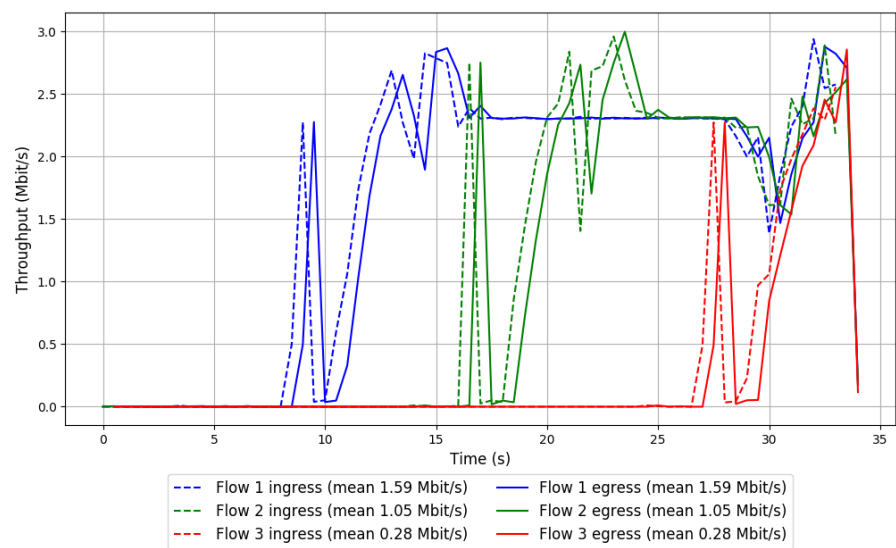
-- Flow 3:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 88.198 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-17 18:50:34

End at: 2018-07-17 18:51:04

Local clock offset: 1.164 ms

Remote clock offset: 4.941 ms

Below is generated by plot.py at 2018-07-17 20:33:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.10 Mbit/s

95th percentile per-packet one-way delay: 84.167 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.75 Mbit/s

95th percentile per-packet one-way delay: 84.088 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.08 Mbit/s

95th percentile per-packet one-way delay: 83.807 ms

Loss rate: 0.00%

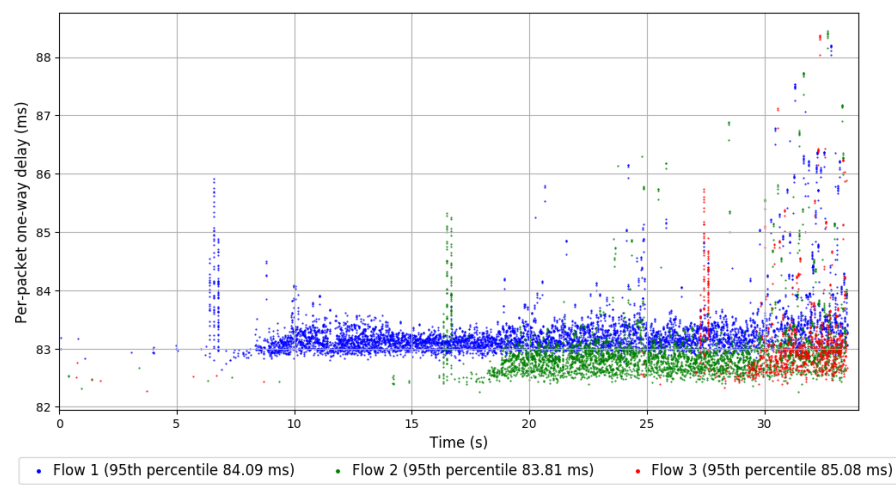
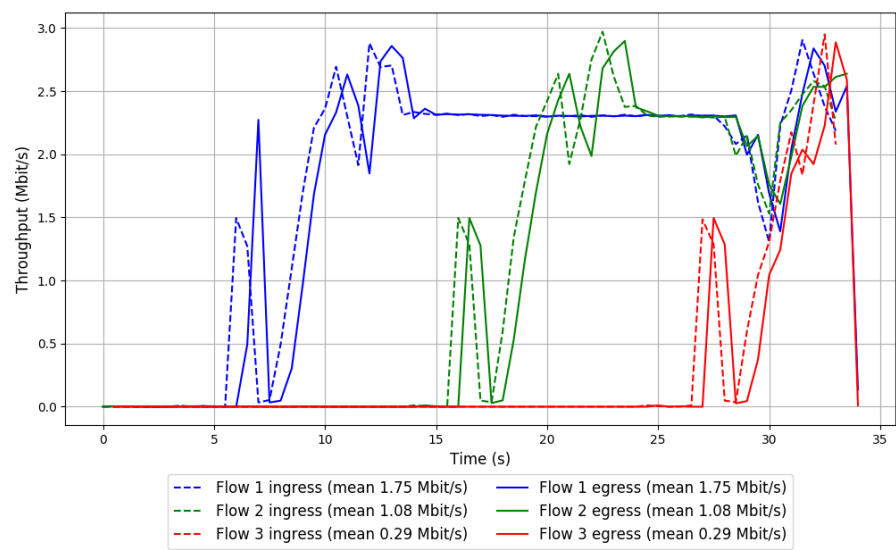
-- Flow 3:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 85.078 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-17 19:11:49

End at: 2018-07-17 19:12:19

Local clock offset: -0.105 ms

Remote clock offset: 6.367 ms

Below is generated by plot.py at 2018-07-17 20:33:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.31 Mbit/s

95th percentile per-packet one-way delay: 88.557 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 88.883 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 1.08 Mbit/s

95th percentile per-packet one-way delay: 84.032 ms

Loss rate: 0.00%

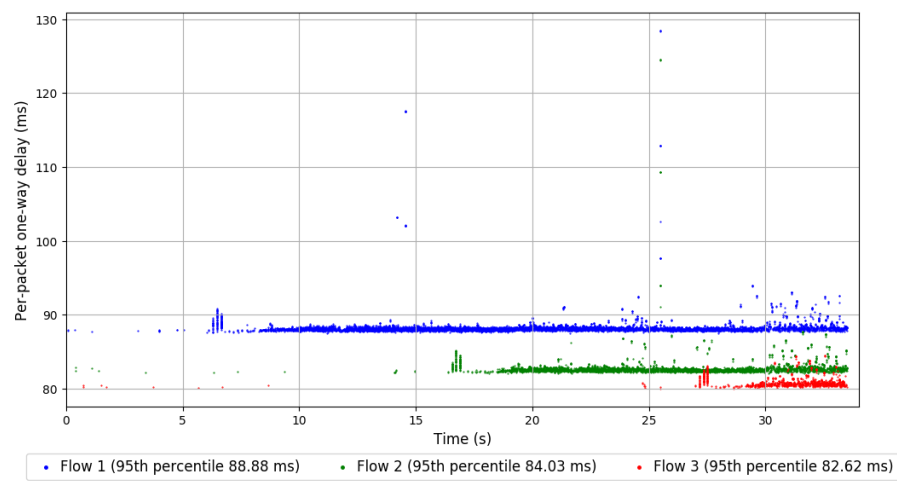
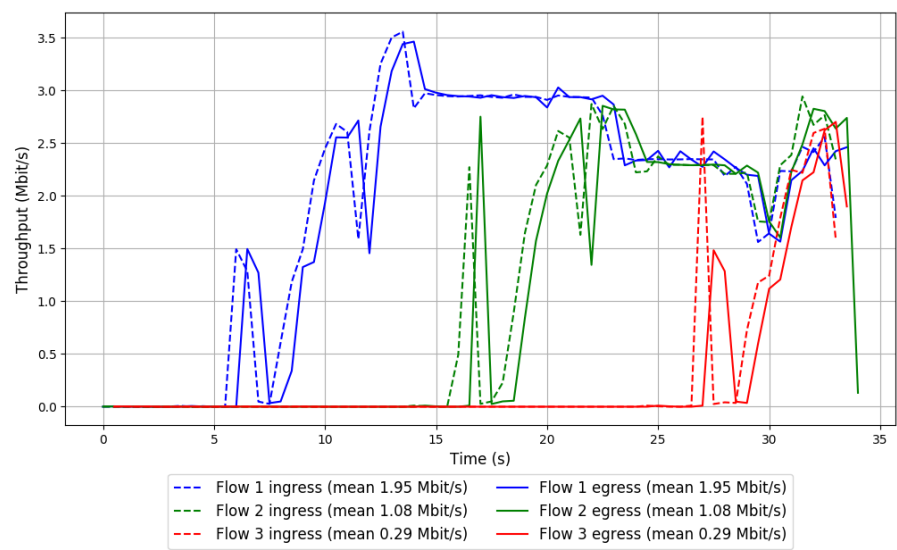
-- Flow 3:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 82.617 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-17 19:33:16

End at: 2018-07-17 19:33:46

Local clock offset: -8.168 ms

Remote clock offset: 9.438 ms

Below is generated by plot.py at 2018-07-17 20:33:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.11 Mbit/s

95th percentile per-packet one-way delay: 88.165 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 88.460 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 1.08 Mbit/s

95th percentile per-packet one-way delay: 82.467 ms

Loss rate: 0.00%

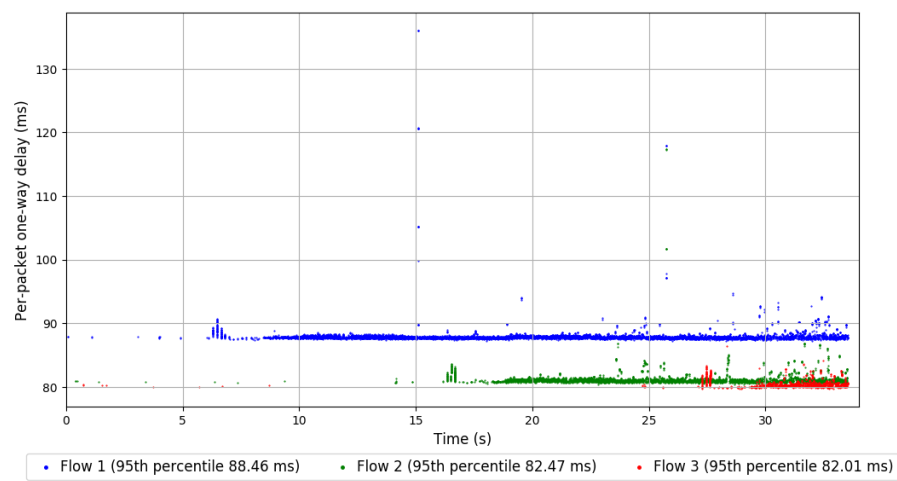
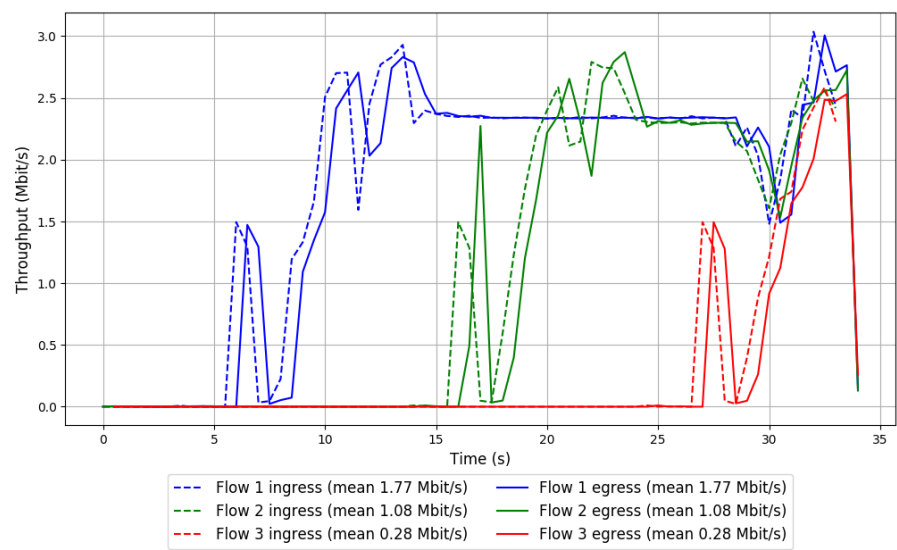
-- Flow 3:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 82.014 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-17 19:54:30
End at: 2018-07-17 19:55:00
Local clock offset: -15.203 ms
Remote clock offset: 12.803 ms

Below is generated by plot.py at 2018-07-17 20:33:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 86.946 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 85.372 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 87.292 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 88.942 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

