

Pantheon Report

Generated at 2018-07-01 11:08:51 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

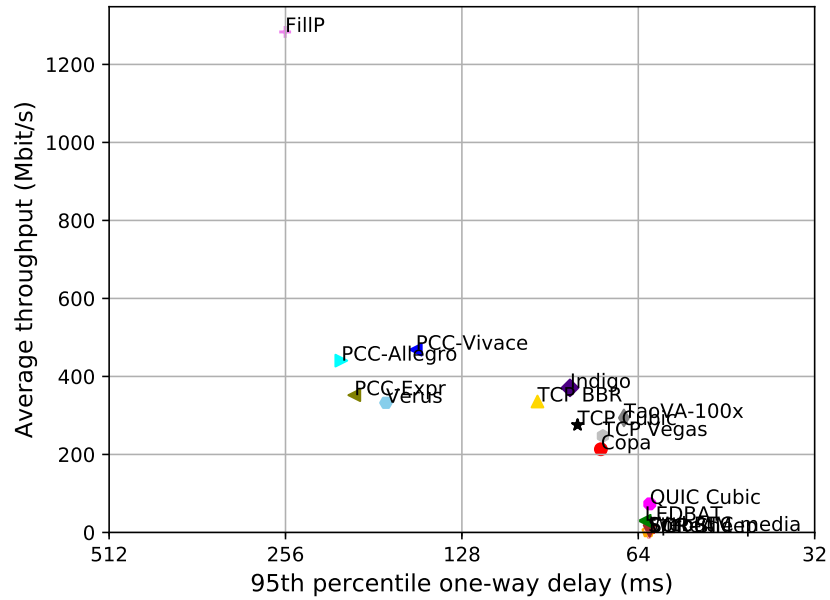
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

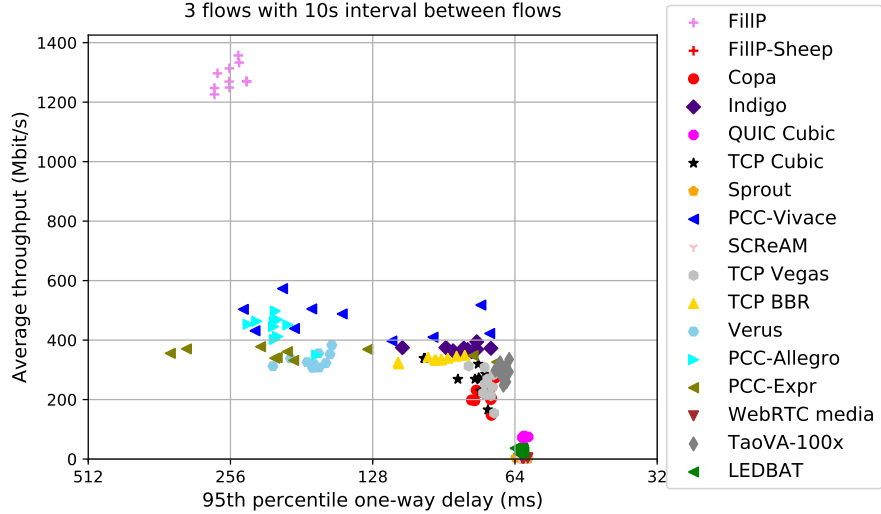
Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/llnwd @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/llnwd-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-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 GCE Tokyo to GCE Iowa, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from GCE Tokyo to GCE Iowa, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	173.12	169.18	152.13	92.04	95.03	98.91	0.34	0.71	1.46
Copa	10	125.98	90.46	105.12	74.78	74.11	73.20	0.26	0.58	1.24
TCP Cubic	10	166.53	99.79	129.84	79.29	82.60	82.07	0.38	1.42	1.67
FillP	10	679.73	642.12	538.19	261.50	258.88	193.87	6.07	6.04	8.17
FillP-Sheep	10	0.00	0.00	0.00	61.38	61.30	61.41	0.00	0.00	2.00
Indigo	10	205.92	188.25	119.76	80.85	84.55	89.83	0.41	0.64	1.49
LEDBAT	10	18.36	14.20	6.76	62.55	62.18	62.22	0.80	1.19	2.65
PCC-Allegro	10	415.46	21.29	33.62	205.84	198.61	191.66	3.31	3.32	3.78
PCC-Expr	10	222.58	169.67	51.33	194.70	164.24	146.35	4.05	3.98	4.97
QUIC Cubic	10	45.47	31.60	19.55	61.12	61.08	61.15	0.58	0.93	1.56
SCReAM	10	0.22	0.22	0.22	61.30	61.24	61.21	0.38	0.62	1.08
Sprout	10	1.10	1.33	1.63	61.44	61.45	61.39	0.22	0.32	0.95
TaoVA-100x	10	175.85	135.02	89.47	67.59	67.50	68.69	0.36	0.55	1.84
TCP Vegas	10	128.44	124.93	109.44	71.52	71.94	72.29	0.37	0.65	1.62
Verus	10	209.27	141.69	88.57	159.24	200.85	213.82	1.75	2.39	4.44
PCC-Vivace	10	278.13	217.22	141.51	157.19	124.78	94.43	1.21	1.19	1.85
WebRTC media	10	1.96	1.29	0.52	61.18	61.10	61.20	0.50	0.84	1.94

Run 1: Statistics of TCP BBR

Start at: 2018-07-01 04:12:24

End at: 2018-07-01 04:12:54

Local clock offset: -0.095 ms

Remote clock offset: -0.23 ms

Below is generated by plot.py at 2018-07-01 08:36:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 345.99 Mbit/s

95th percentile per-packet one-way delay: 85.063 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 176.39 Mbit/s

95th percentile per-packet one-way delay: 83.523 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 172.27 Mbit/s

95th percentile per-packet one-way delay: 85.038 ms

Loss rate: 0.70%

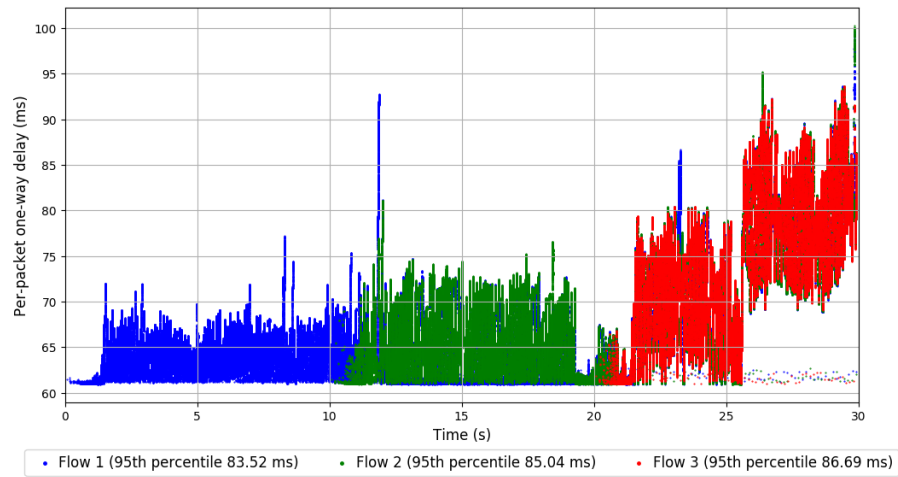
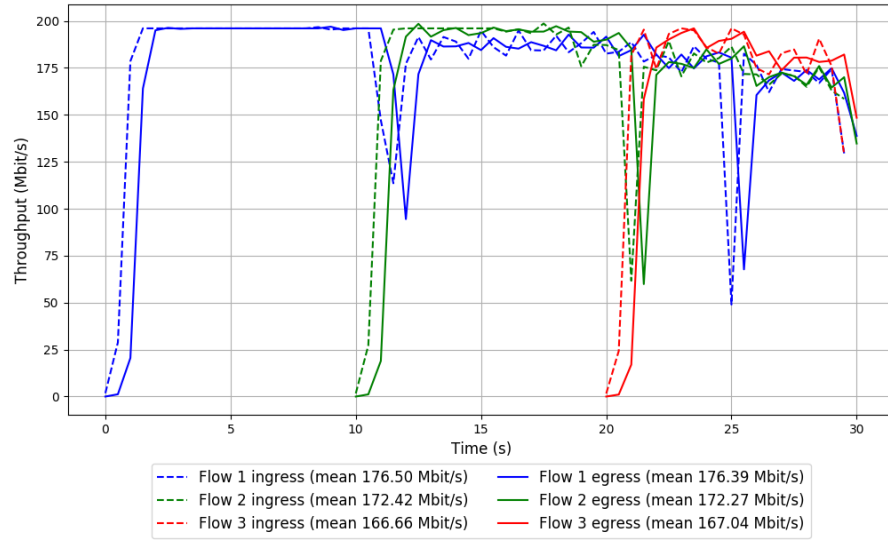
-- Flow 3:

Average throughput: 167.04 Mbit/s

95th percentile per-packet one-way delay: 86.690 ms

Loss rate: 0.31%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-01 04:37:11

End at: 2018-07-01 04:37:41

Local clock offset: -0.081 ms

Remote clock offset: 1.098 ms

Below is generated by plot.py at 2018-07-01 08:36:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 331.77 Mbit/s

95th percentile per-packet one-way delay: 93.947 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 171.50 Mbit/s

95th percentile per-packet one-way delay: 91.465 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 169.54 Mbit/s

95th percentile per-packet one-way delay: 93.785 ms

Loss rate: 0.66%

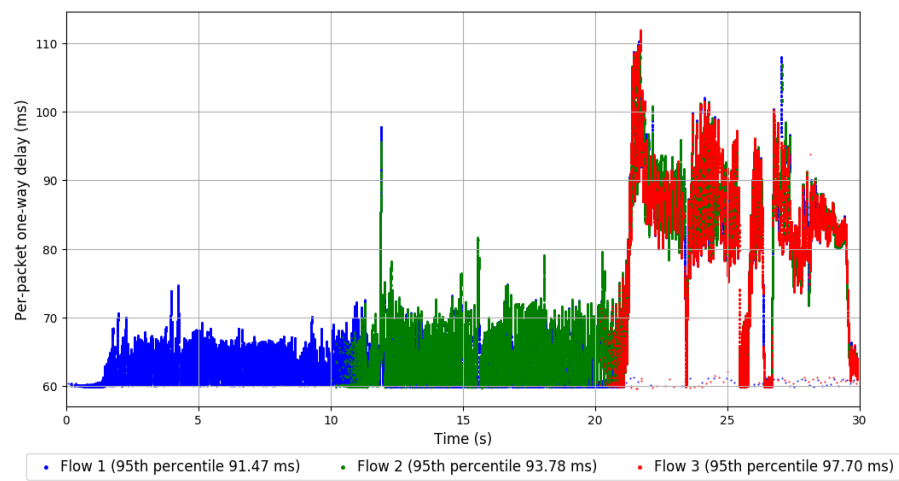
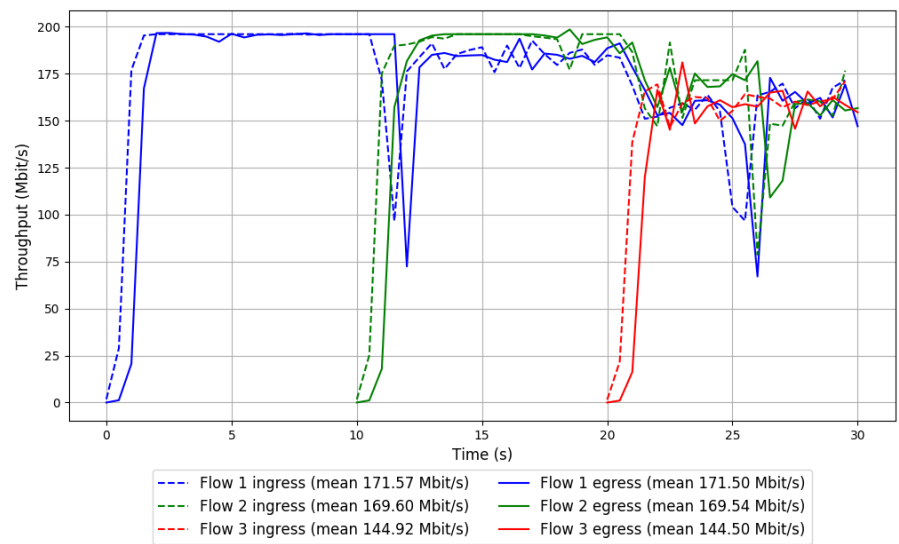
-- Flow 3:

Average throughput: 144.50 Mbit/s

95th percentile per-packet one-way delay: 97.701 ms

Loss rate: 1.53%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-01 05:01:38

End at: 2018-07-01 05:02:08

Local clock offset: 0.05 ms

Remote clock offset: 1.22 ms

Below is generated by plot.py at 2018-07-01 08:36:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 333.40 Mbit/s

95th percentile per-packet one-way delay: 91.618 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 172.02 Mbit/s

95th percentile per-packet one-way delay: 89.110 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 167.26 Mbit/s

95th percentile per-packet one-way delay: 91.650 ms

Loss rate: 0.68%

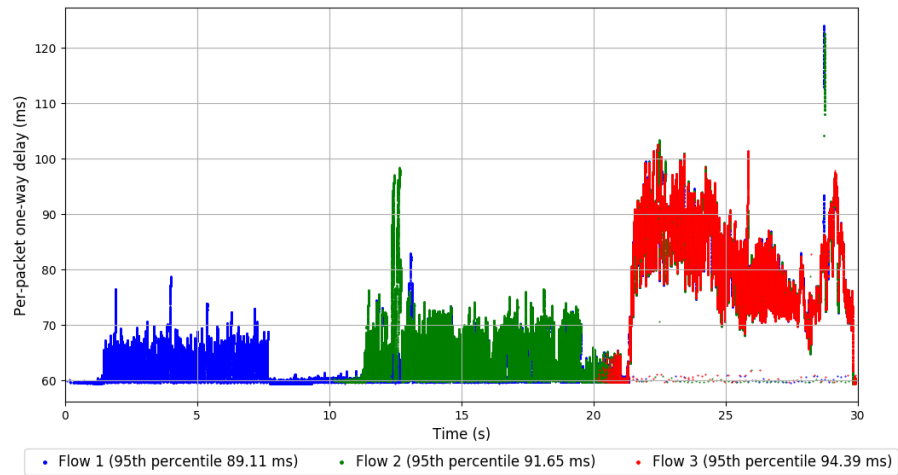
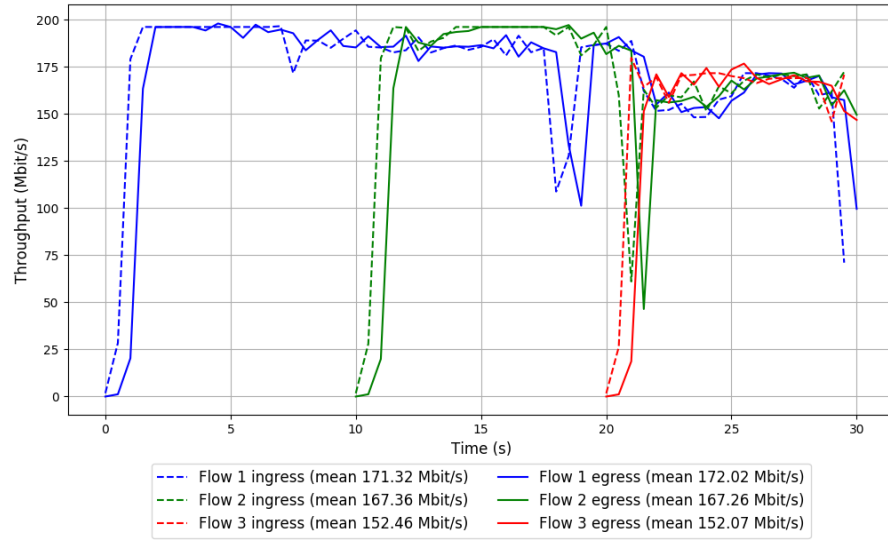
-- Flow 3:

Average throughput: 152.07 Mbit/s

95th percentile per-packet one-way delay: 94.392 ms

Loss rate: 1.50%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-01 05:26:20

End at: 2018-07-01 05:26:50

Local clock offset: -0.045 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-07-01 08:36:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 342.77 Mbit/s

95th percentile per-packet one-way delay: 97.742 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 175.56 Mbit/s

95th percentile per-packet one-way delay: 92.821 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 177.44 Mbit/s

95th percentile per-packet one-way delay: 98.162 ms

Loss rate: 0.69%

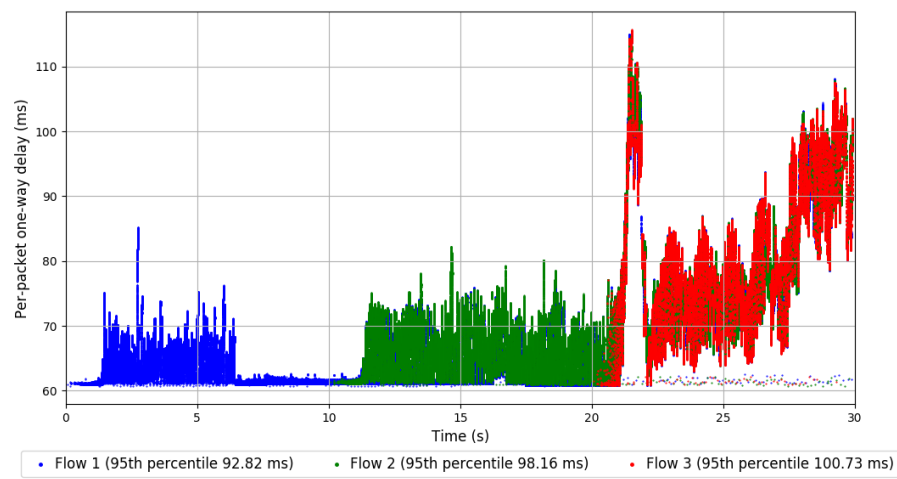
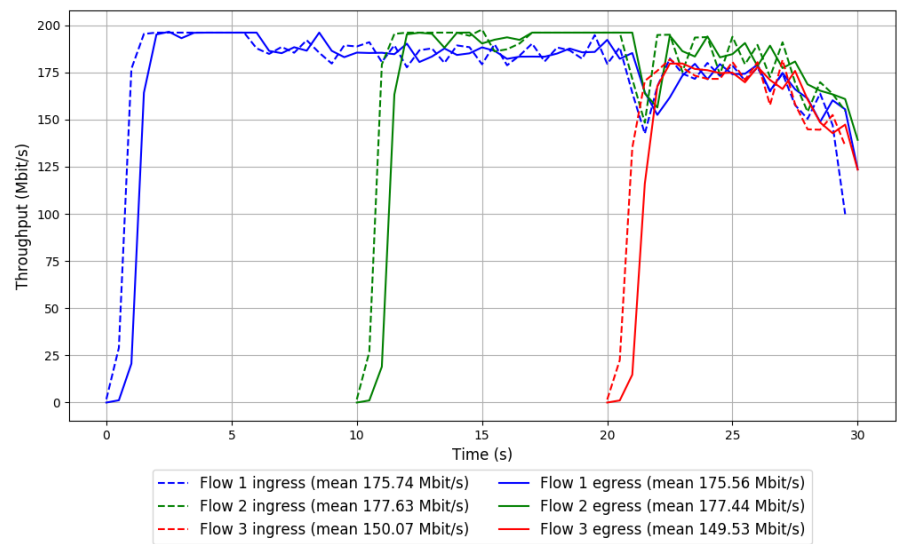
-- Flow 3:

Average throughput: 149.53 Mbit/s

95th percentile per-packet one-way delay: 100.729 ms

Loss rate: 1.48%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-01 05:50:48

End at: 2018-07-01 05:51:18

Local clock offset: -0.074 ms

Remote clock offset: 0.245 ms

Below is generated by plot.py at 2018-07-01 08:36:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 320.00 Mbit/s

95th percentile per-packet one-way delay: 112.770 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 156.45 Mbit/s

95th percentile per-packet one-way delay: 106.701 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 170.99 Mbit/s

95th percentile per-packet one-way delay: 112.923 ms

Loss rate: 0.78%

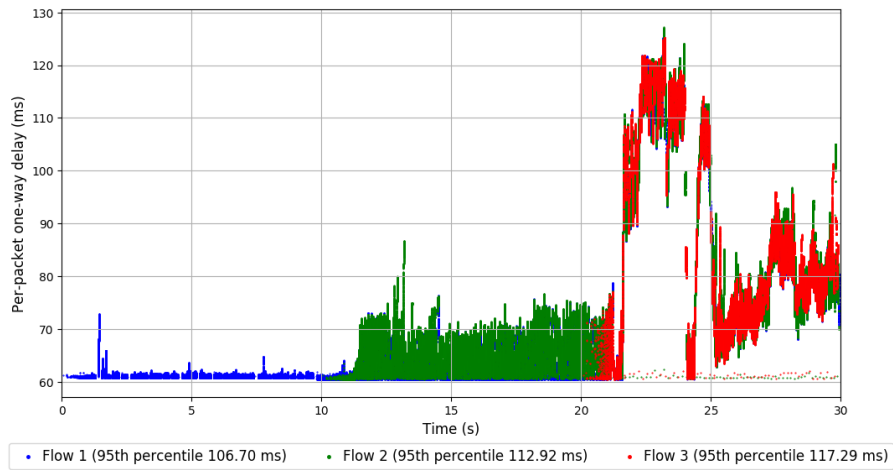
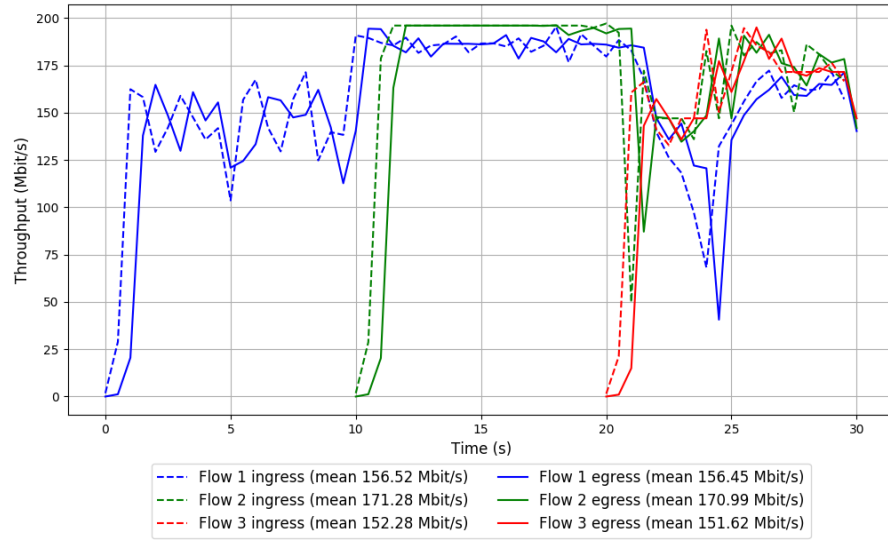
-- Flow 3:

Average throughput: 151.62 Mbit/s

95th percentile per-packet one-way delay: 117.291 ms

Loss rate: 1.62%

Run 5: Report of TCP BBR — Data Link

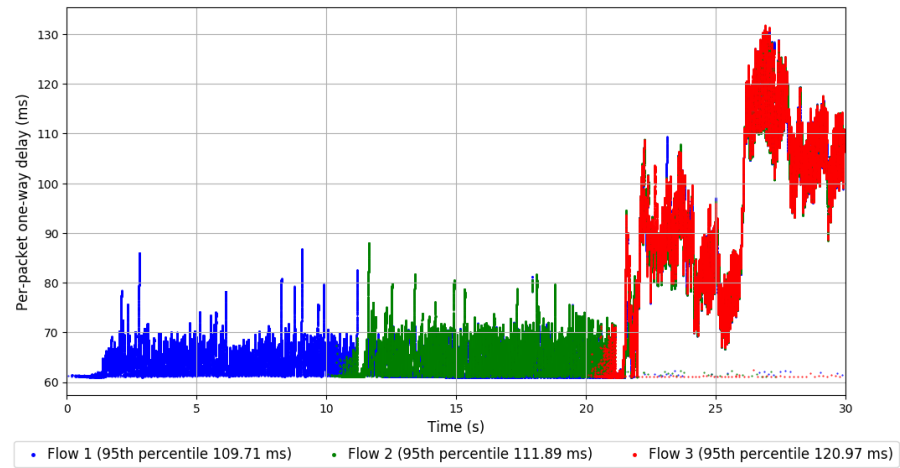
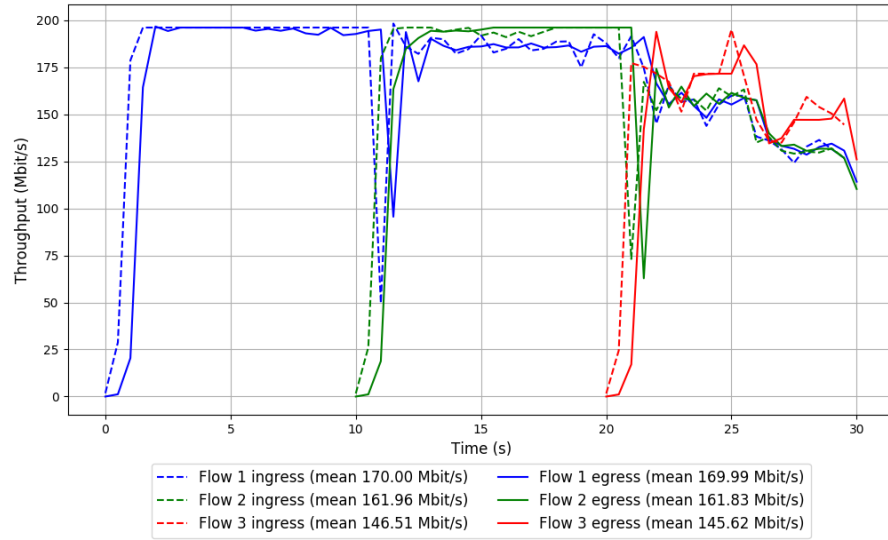


Run 6: Statistics of TCP BBR

Start at: 2018-07-01 06:15:43
End at: 2018-07-01 06:16:13
Local clock offset: -0.118 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-01 08:36:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 325.57 Mbit/s
95th percentile per-packet one-way delay: 113.127 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 169.99 Mbit/s
95th percentile per-packet one-way delay: 109.709 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 161.83 Mbit/s
95th percentile per-packet one-way delay: 111.893 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 145.62 Mbit/s
95th percentile per-packet one-way delay: 120.965 ms
Loss rate: 1.83%

Run 6: Report of TCP BBR — Data Link

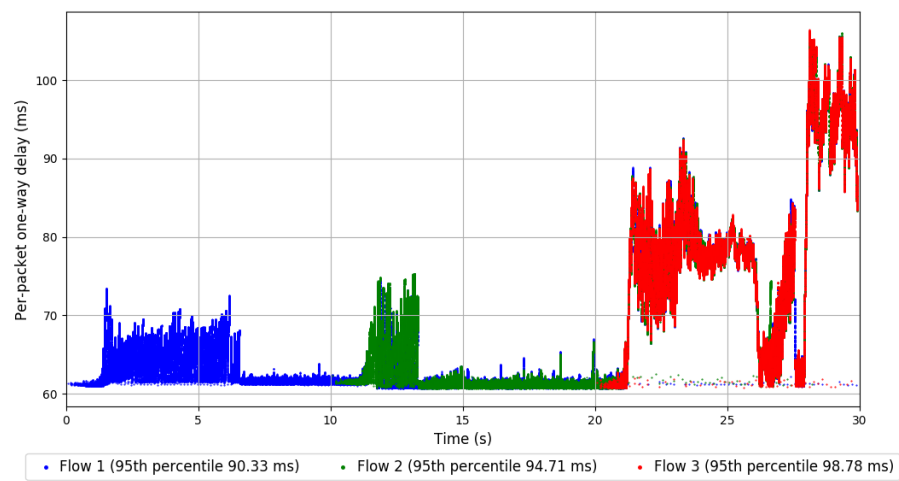
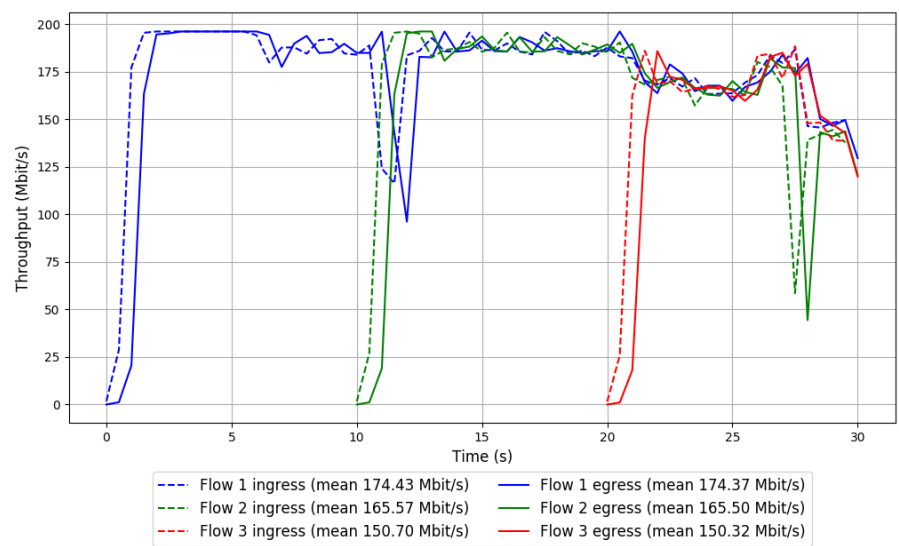


Run 7: Statistics of TCP BBR

Start at: 2018-07-01 06:41:06
End at: 2018-07-01 06:41:36
Local clock offset: -0.021 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-01 08:36:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 333.93 Mbit/s
95th percentile per-packet one-way delay: 94.591 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 174.37 Mbit/s
95th percentile per-packet one-way delay: 90.330 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 165.50 Mbit/s
95th percentile per-packet one-way delay: 94.707 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 150.32 Mbit/s
95th percentile per-packet one-way delay: 98.781 ms
Loss rate: 1.49%

Run 7: Report of TCP BBR — Data Link

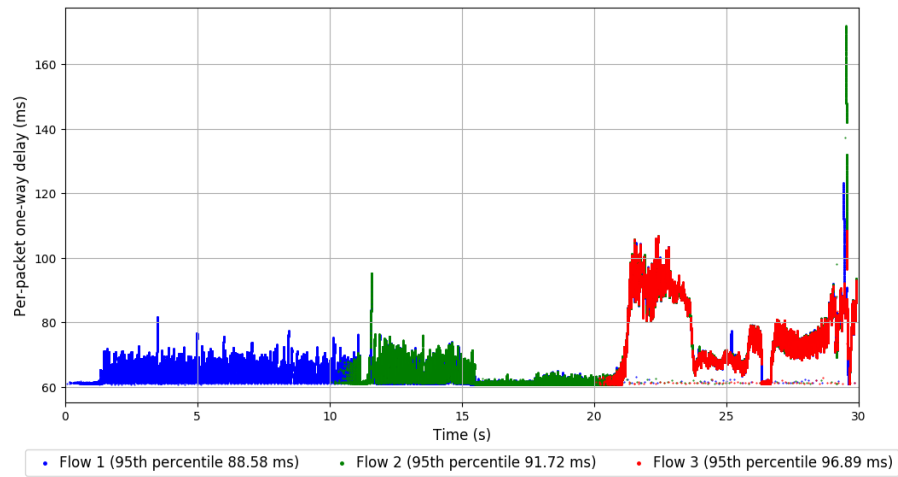
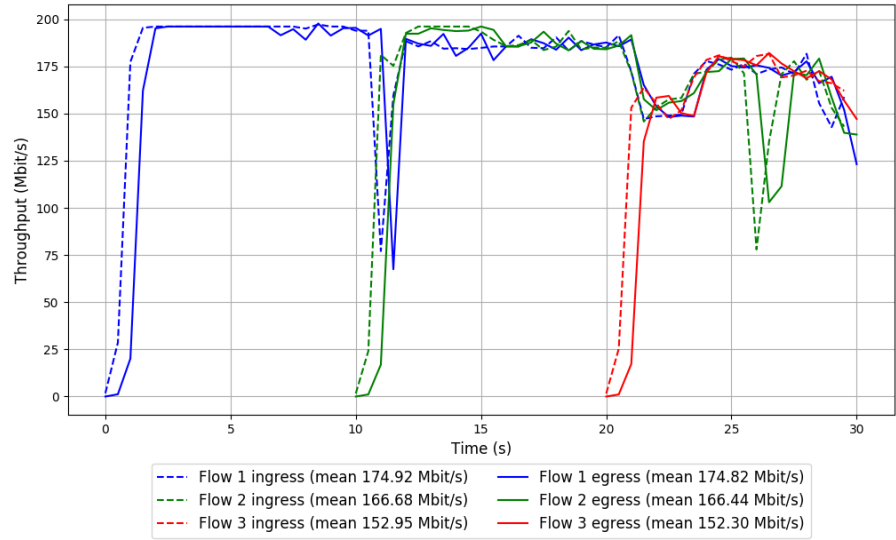


Run 8: Statistics of TCP BBR

Start at: 2018-07-01 07:05:52
End at: 2018-07-01 07:06:22
Local clock offset: -0.043 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-01 08:36:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 335.69 Mbit/s
95th percentile per-packet one-way delay: 91.692 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 174.82 Mbit/s
95th percentile per-packet one-way delay: 88.580 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 166.44 Mbit/s
95th percentile per-packet one-way delay: 91.718 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 152.30 Mbit/s
95th percentile per-packet one-way delay: 96.886 ms
Loss rate: 1.61%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-01 07:30:54

End at: 2018-07-01 07:31:24

Local clock offset: -0.125 ms

Remote clock offset: 1.266 ms

Below is generated by plot.py at 2018-07-01 08:42:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 348.81 Mbit/s

95th percentile per-packet one-way delay: 81.732 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 181.58 Mbit/s

95th percentile per-packet one-way delay: 80.861 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 172.35 Mbit/s

95th percentile per-packet one-way delay: 81.274 ms

Loss rate: 0.66%

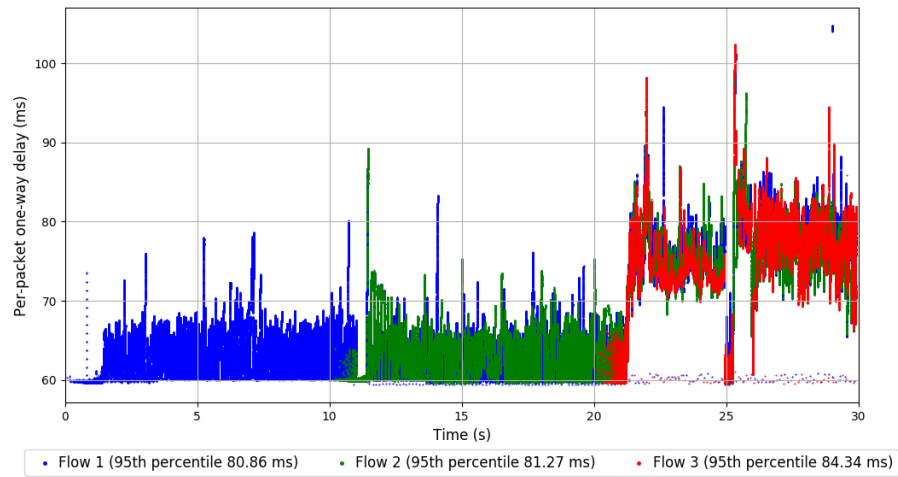
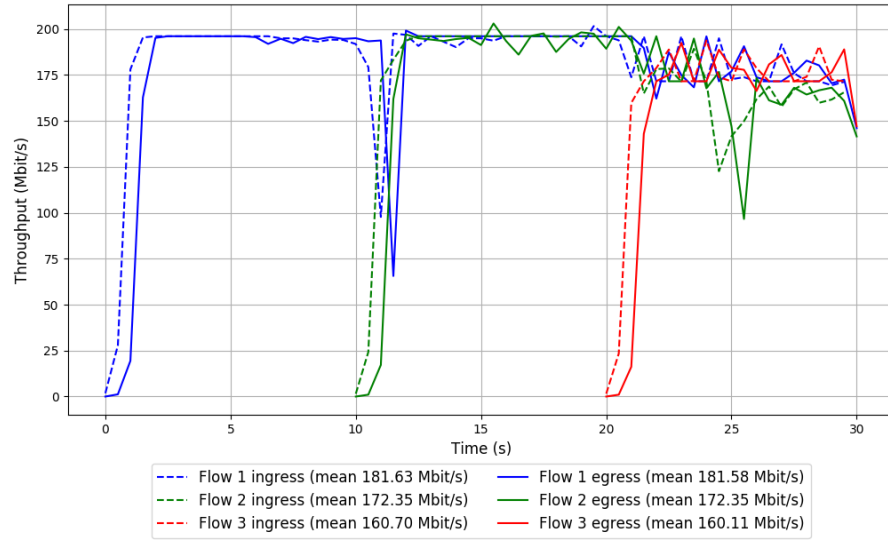
-- Flow 3:

Average throughput: 160.11 Mbit/s

95th percentile per-packet one-way delay: 84.338 ms

Loss rate: 1.53%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-01 07:55:48

End at: 2018-07-01 07:56:18

Local clock offset: -0.088 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-07-01 08:42:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 339.12 Mbit/s

95th percentile per-packet one-way delay: 88.781 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 178.49 Mbit/s

95th percentile per-packet one-way delay: 87.276 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 168.14 Mbit/s

95th percentile per-packet one-way delay: 89.148 ms

Loss rate: 0.75%

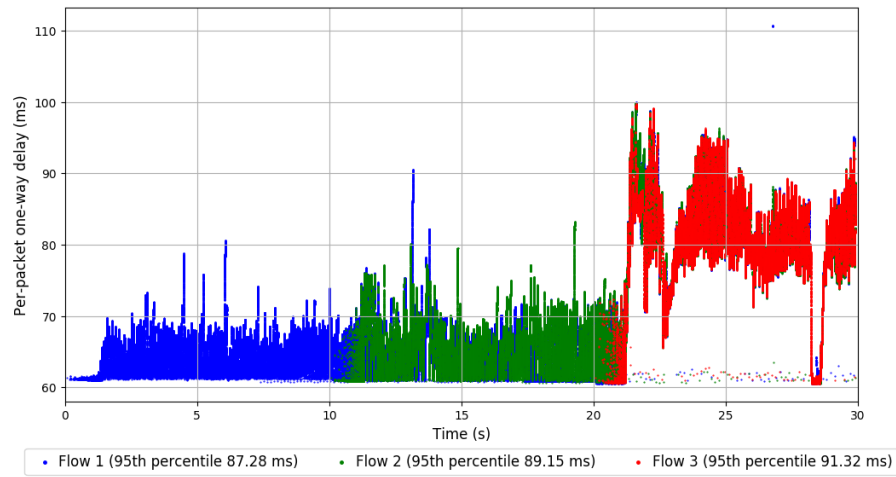
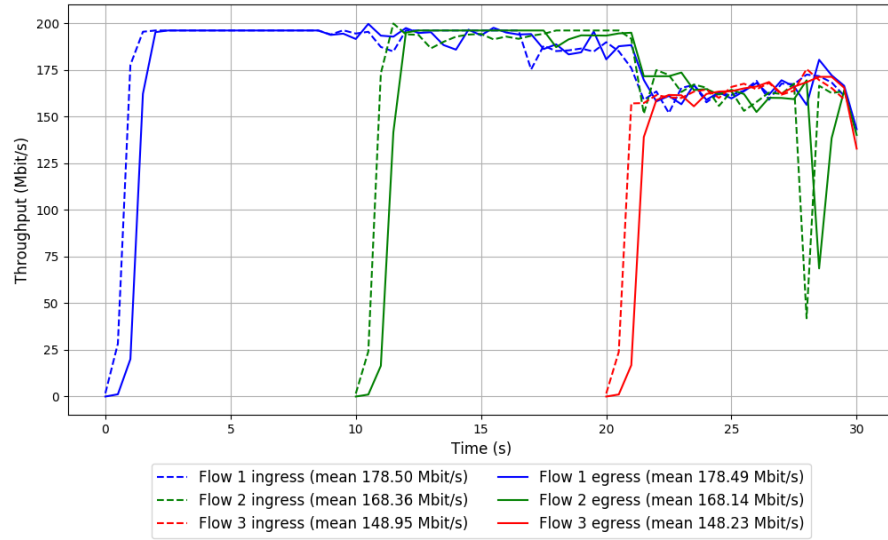
-- Flow 3:

Average throughput: 148.23 Mbit/s

95th percentile per-packet one-way delay: 91.316 ms

Loss rate: 1.68%

Run 10: Report of TCP BBR — Data Link

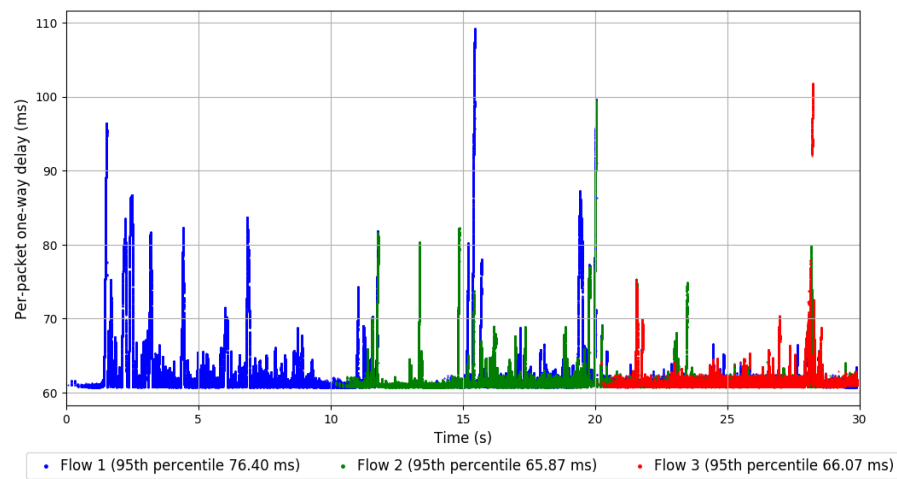
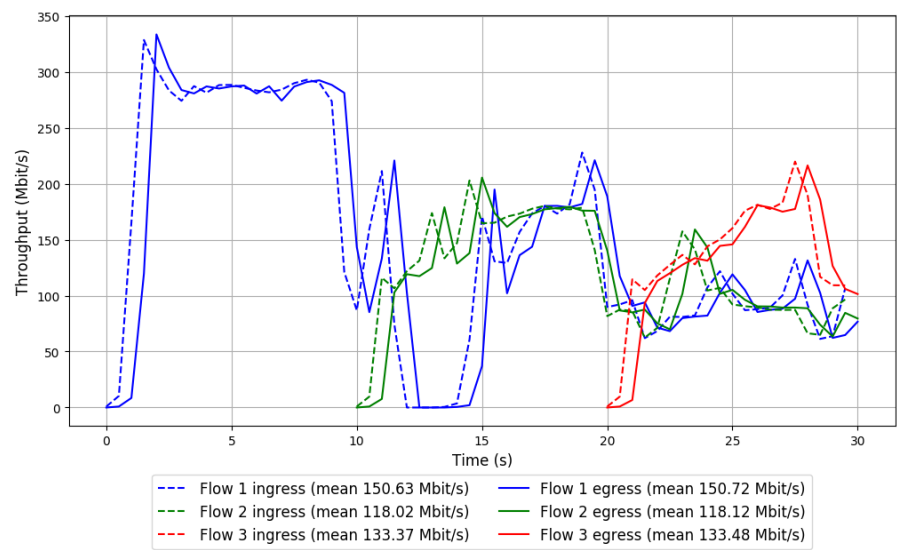


Run 1: Statistics of Copa

Start at: 2018-07-01 04:08:08
End at: 2018-07-01 04:08:38
Local clock offset: -0.121 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-01 08:46:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 273.18 Mbit/s
95th percentile per-packet one-way delay: 70.388 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 150.72 Mbit/s
95th percentile per-packet one-way delay: 76.401 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 118.12 Mbit/s
95th percentile per-packet one-way delay: 65.871 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 133.48 Mbit/s
95th percentile per-packet one-way delay: 66.066 ms
Loss rate: 1.15%

Run 1: Report of Copa — Data Link

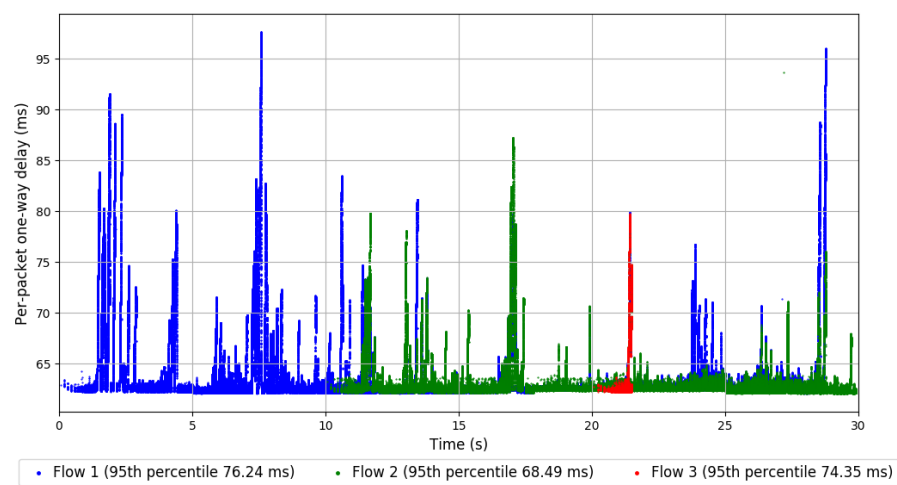
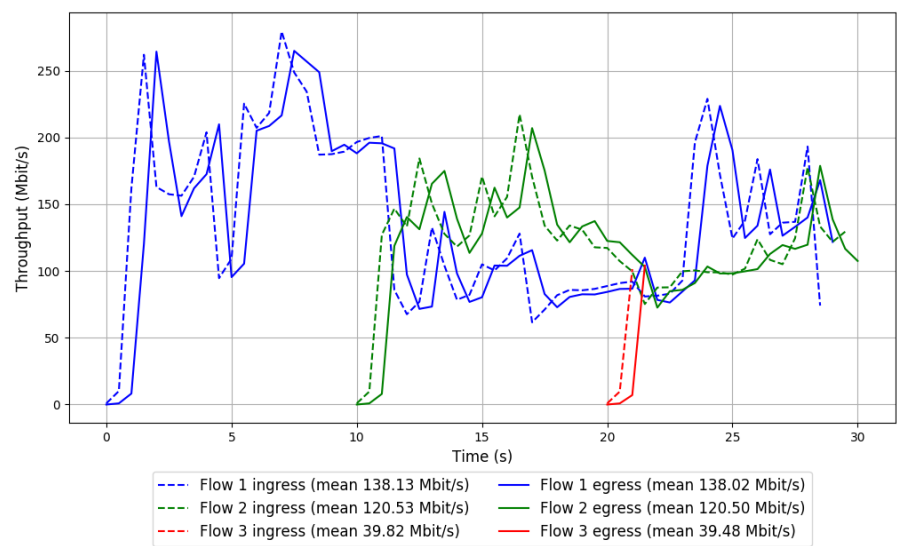


Run 2: Statistics of Copa

Start at: 2018-07-01 04:33:00
End at: 2018-07-01 04:33:30
Local clock offset: -0.11 ms
Remote clock offset: -1.419 ms

Below is generated by plot.py at 2018-07-01 08:46:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 214.77 Mbit/s
95th percentile per-packet one-way delay: 73.404 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 138.02 Mbit/s
95th percentile per-packet one-way delay: 76.237 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 120.50 Mbit/s
95th percentile per-packet one-way delay: 68.491 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 39.48 Mbit/s
95th percentile per-packet one-way delay: 74.351 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

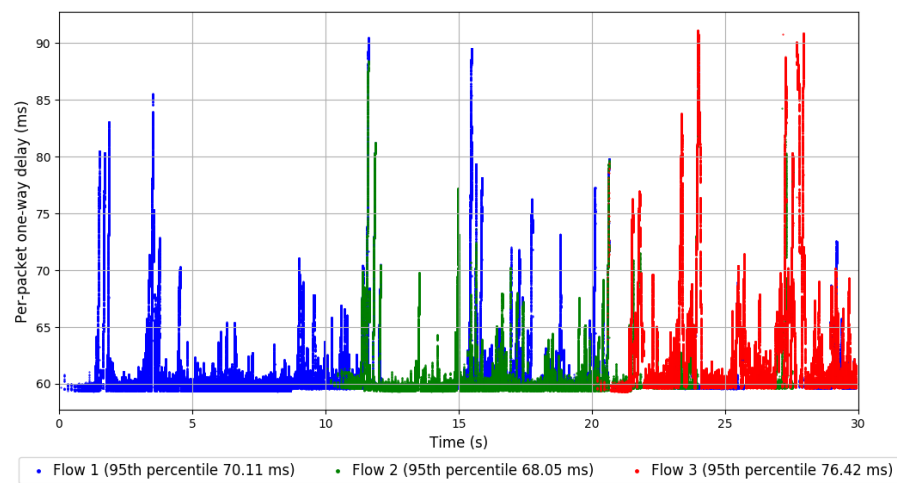
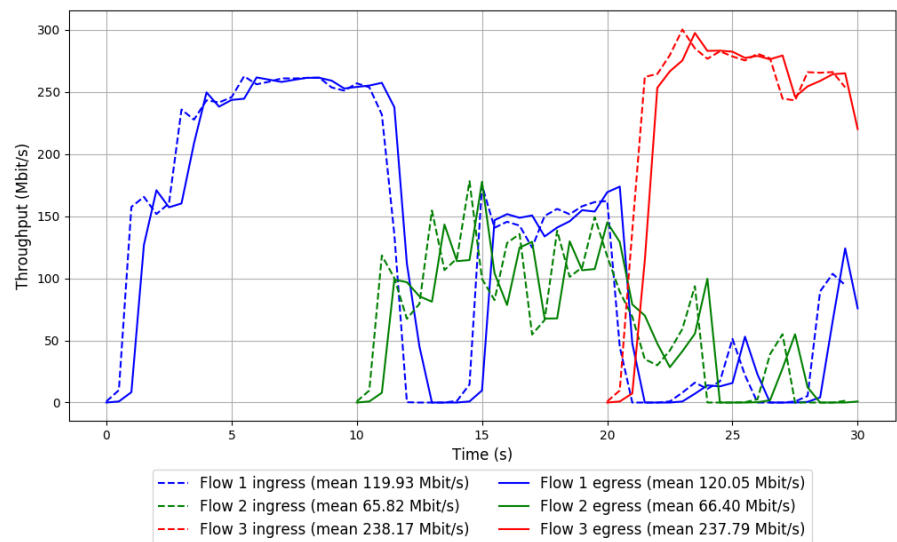


Run 3: Statistics of Copa

Start at: 2018-07-01 04:57:26
End at: 2018-07-01 04:57:56
Local clock offset: -0.012 ms
Remote clock offset: 1.256 ms

Below is generated by plot.py at 2018-07-01 08:46:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 242.45 Mbit/s
95th percentile per-packet one-way delay: 71.637 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 120.05 Mbit/s
95th percentile per-packet one-way delay: 70.109 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 66.40 Mbit/s
95th percentile per-packet one-way delay: 68.054 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 237.79 Mbit/s
95th percentile per-packet one-way delay: 76.419 ms
Loss rate: 1.38%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-01 05:22:04

End at: 2018-07-01 05:22:34

Local clock offset: 0.023 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-01 08:46:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 204.45 Mbit/s

95th percentile per-packet one-way delay: 71.725 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 127.98 Mbit/s

95th percentile per-packet one-way delay: 70.594 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 87.34 Mbit/s

95th percentile per-packet one-way delay: 73.221 ms

Loss rate: 0.97%

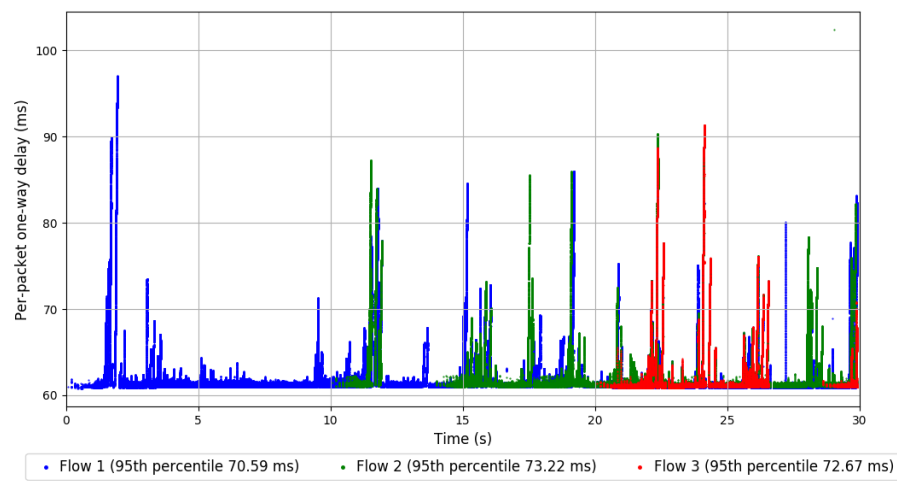
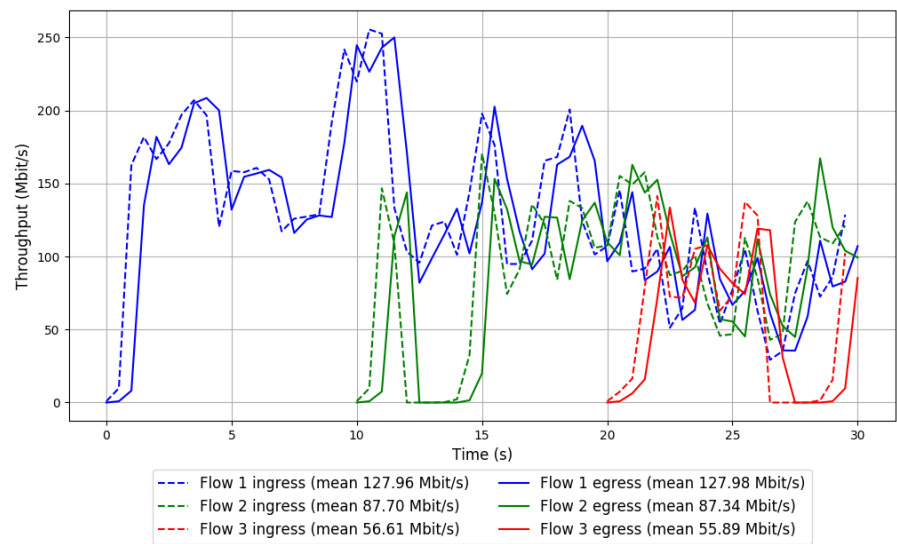
-- Flow 3:

Average throughput: 55.89 Mbit/s

95th percentile per-packet one-way delay: 72.665 ms

Loss rate: 2.09%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-01 05:46:35

End at: 2018-07-01 05:47:05

Local clock offset: -0.044 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-01 08:46:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 231.59 Mbit/s

95th percentile per-packet one-way delay: 77.281 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 148.26 Mbit/s

95th percentile per-packet one-way delay: 75.592 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 82.96 Mbit/s

95th percentile per-packet one-way delay: 86.411 ms

Loss rate: 0.00%

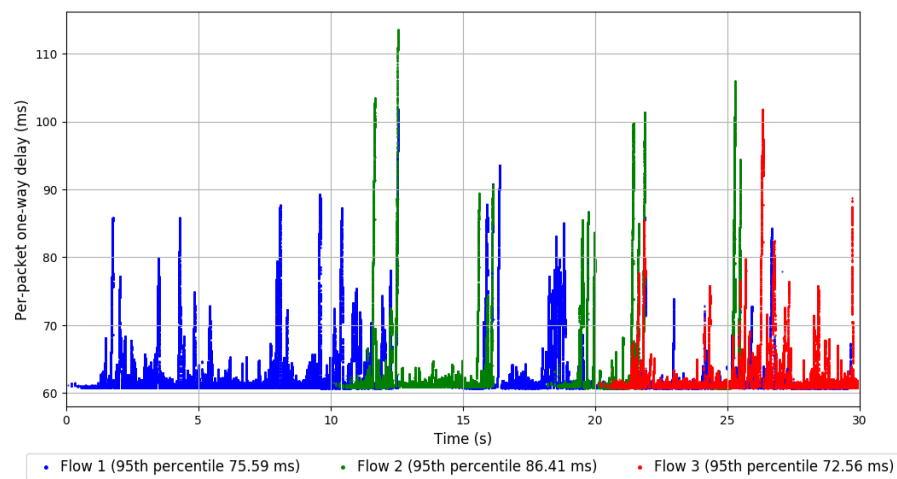
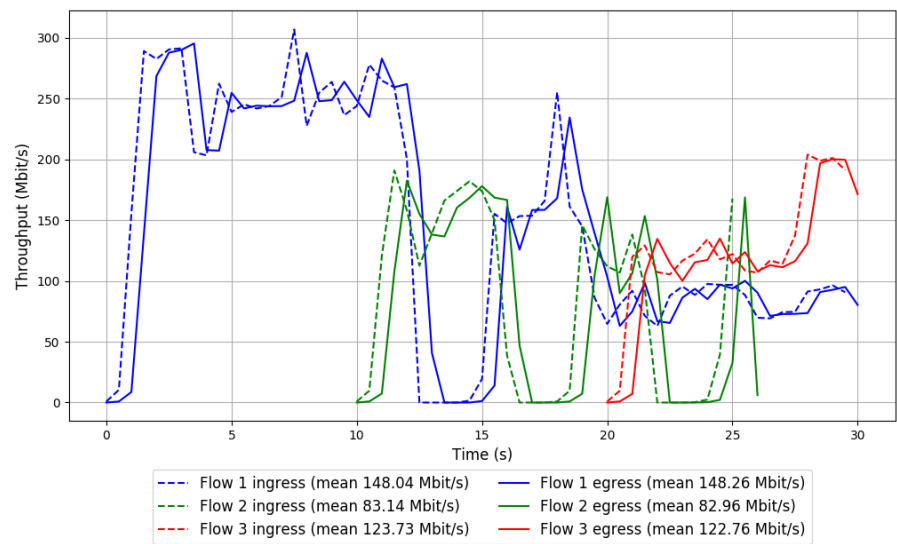
-- Flow 3:

Average throughput: 122.76 Mbit/s

95th percentile per-packet one-way delay: 72.557 ms

Loss rate: 2.00%

Run 5: Report of Copa — Data Link

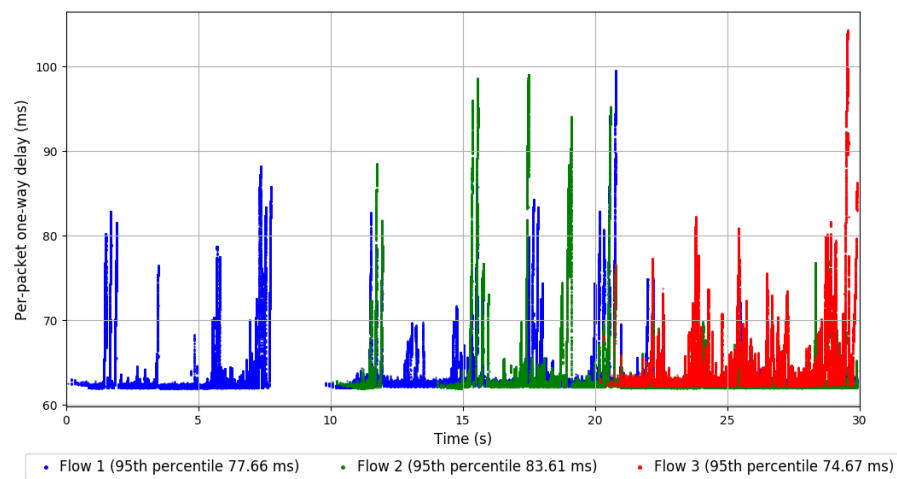
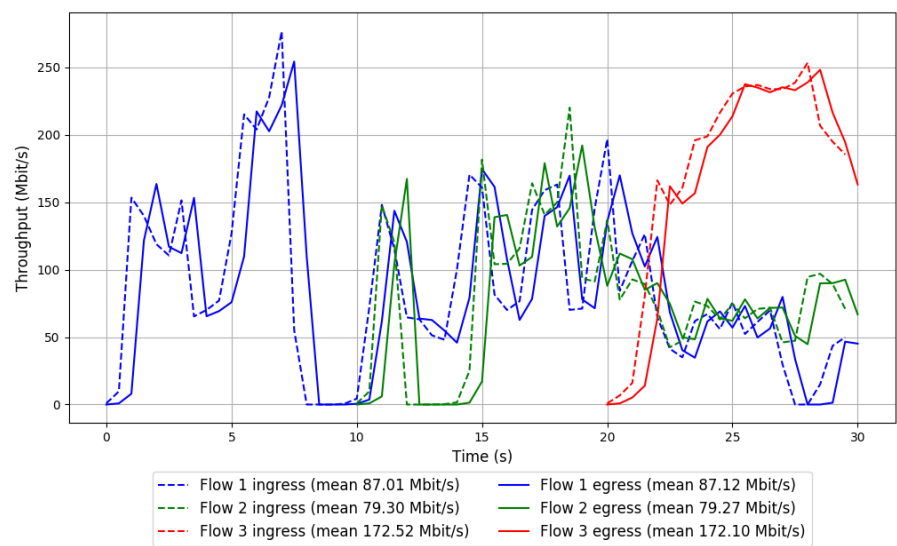


Run 6: Statistics of Copa

Start at: 2018-07-01 06:11:27
End at: 2018-07-01 06:11:57
Local clock offset: -0.101 ms
Remote clock offset: -1.278 ms

Below is generated by plot.py at 2018-07-01 08:46:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 196.54 Mbit/s
95th percentile per-packet one-way delay: 77.829 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 87.12 Mbit/s
95th percentile per-packet one-way delay: 77.656 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 79.27 Mbit/s
95th percentile per-packet one-way delay: 83.608 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 172.10 Mbit/s
95th percentile per-packet one-way delay: 74.675 ms
Loss rate: 1.48%

Run 6: Report of Copa — Data Link

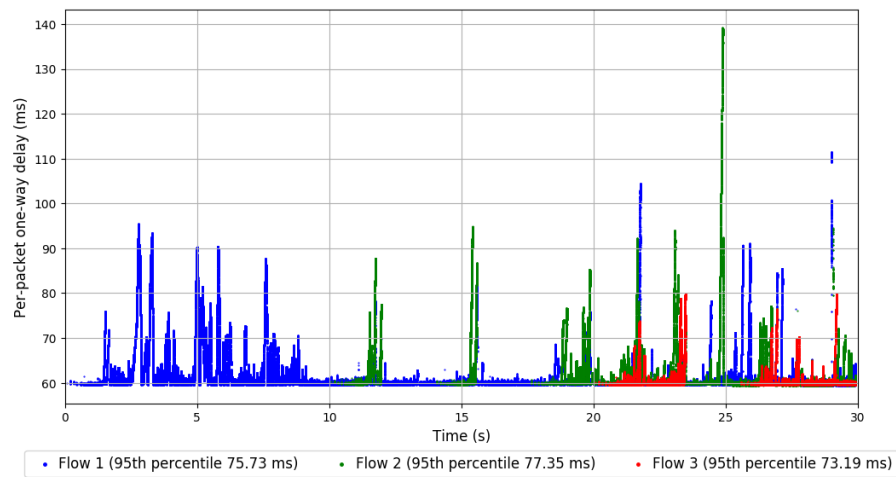
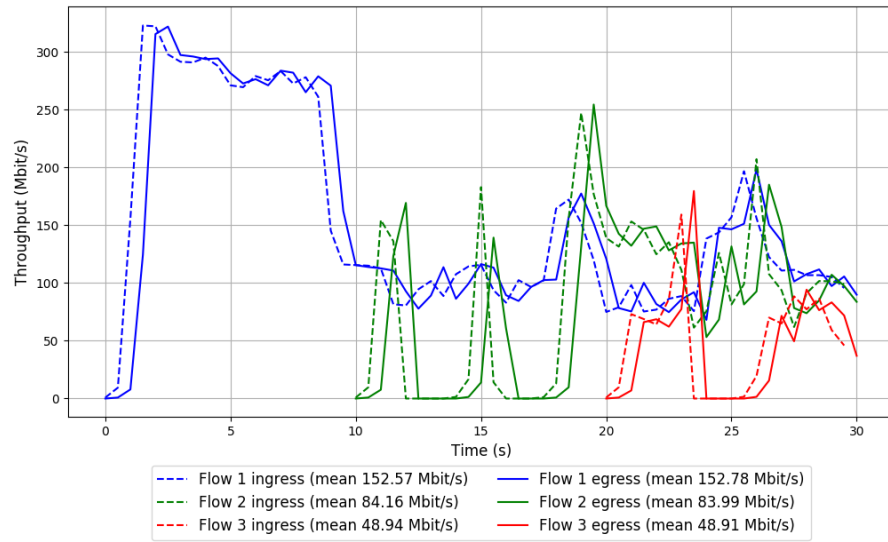


Run 7: Statistics of Copa

Start at: 2018-07-01 06:36:40
End at: 2018-07-01 06:37:10
Local clock offset: -0.047 ms
Remote clock offset: 1.297 ms

Below is generated by plot.py at 2018-07-01 08:52:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 224.74 Mbit/s
95th percentile per-packet one-way delay: 76.143 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 152.78 Mbit/s
95th percentile per-packet one-way delay: 75.734 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 83.99 Mbit/s
95th percentile per-packet one-way delay: 77.349 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 48.91 Mbit/s
95th percentile per-packet one-way delay: 73.189 ms
Loss rate: 1.29%

Run 7: Report of Copa — Data Link

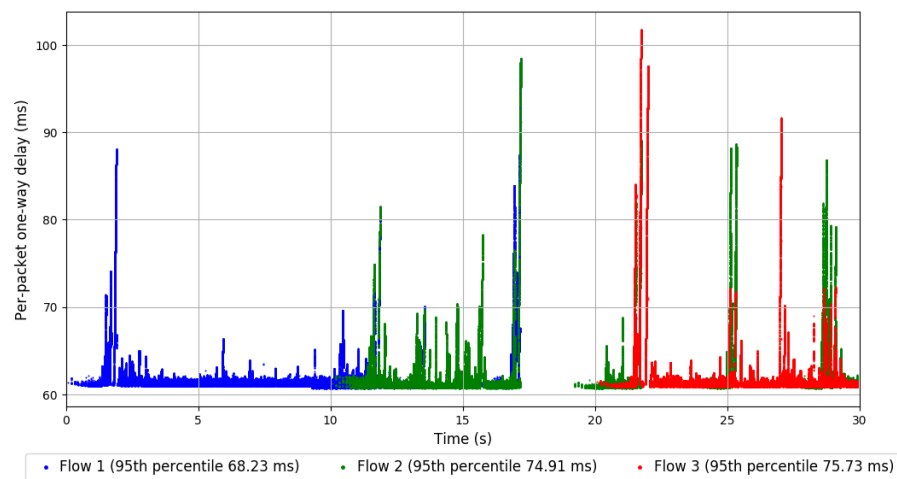
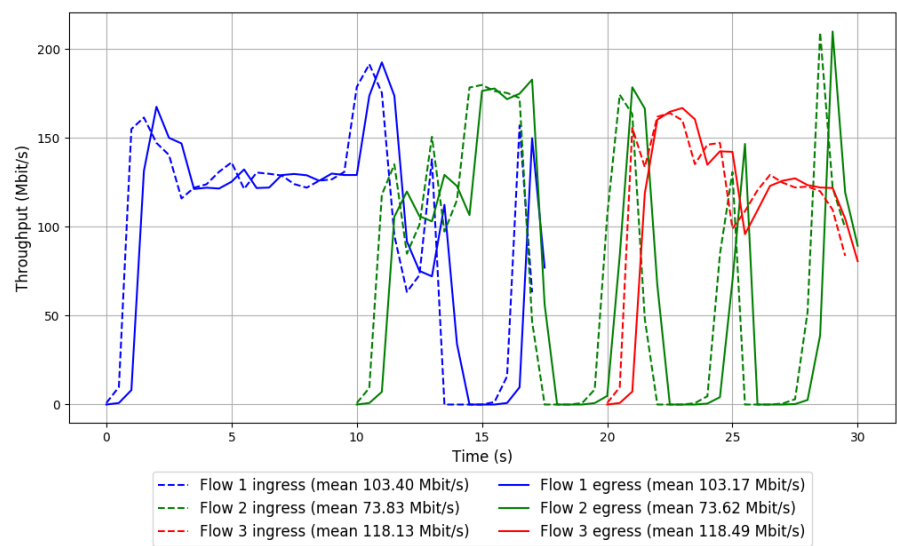


Run 8: Statistics of Copa

Start at: 2018-07-01 07:01:46
End at: 2018-07-01 07:02:16
Local clock offset: -0.032 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-01 08:52:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 147.17 Mbit/s
95th percentile per-packet one-way delay: 71.792 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 103.17 Mbit/s
95th percentile per-packet one-way delay: 68.226 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 73.62 Mbit/s
95th percentile per-packet one-way delay: 74.910 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 118.49 Mbit/s
95th percentile per-packet one-way delay: 75.726 ms
Loss rate: 0.93%

Run 8: Report of Copa — Data Link

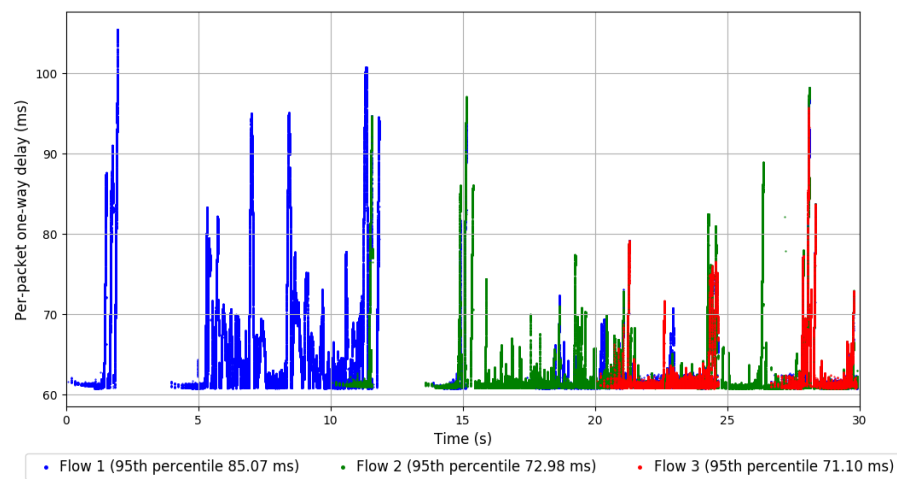
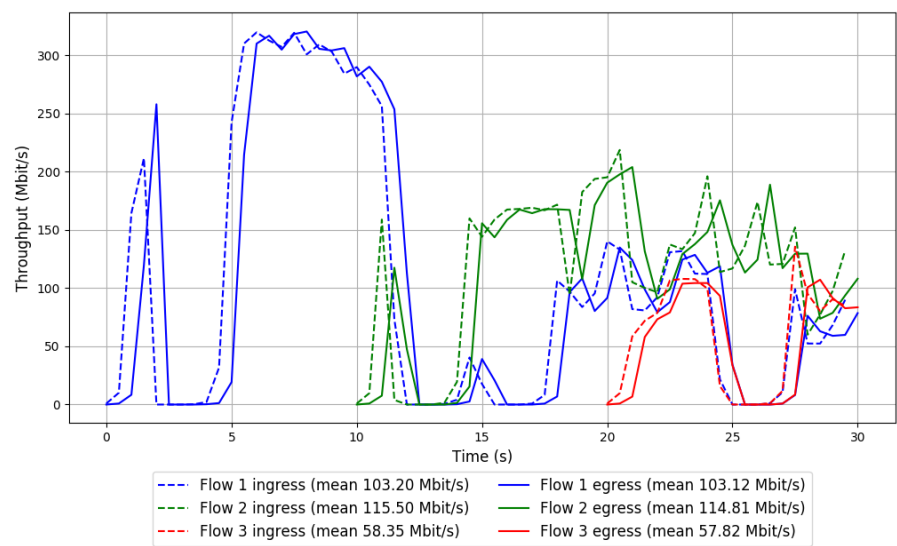


Run 9: Statistics of Copa

Start at: 2018-07-01 07:26:44
End at: 2018-07-01 07:27:14
Local clock offset: -0.158 ms
Remote clock offset: -0.272 ms

Below is generated by plot.py at 2018-07-01 08:52:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 198.39 Mbit/s
95th percentile per-packet one-way delay: 79.094 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 103.12 Mbit/s
95th percentile per-packet one-way delay: 85.069 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 114.81 Mbit/s
95th percentile per-packet one-way delay: 72.983 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 57.82 Mbit/s
95th percentile per-packet one-way delay: 71.096 ms
Loss rate: 2.09%

Run 9: Report of Copa — Data Link

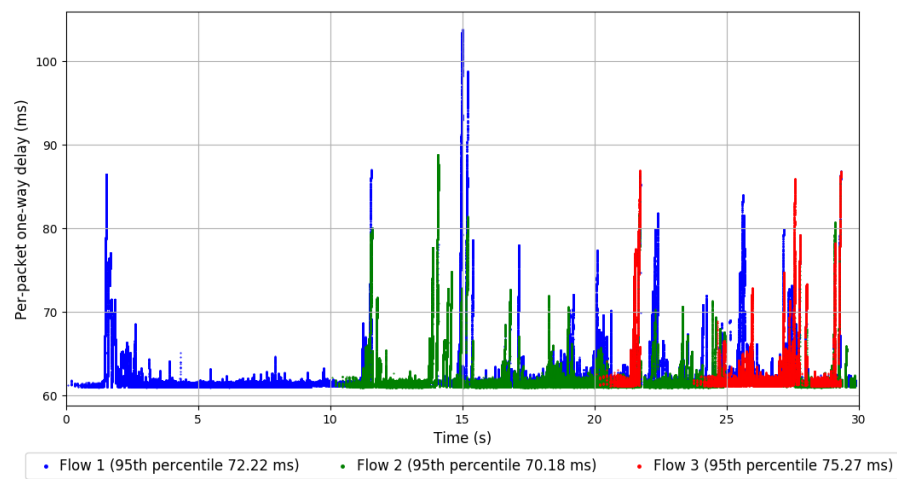
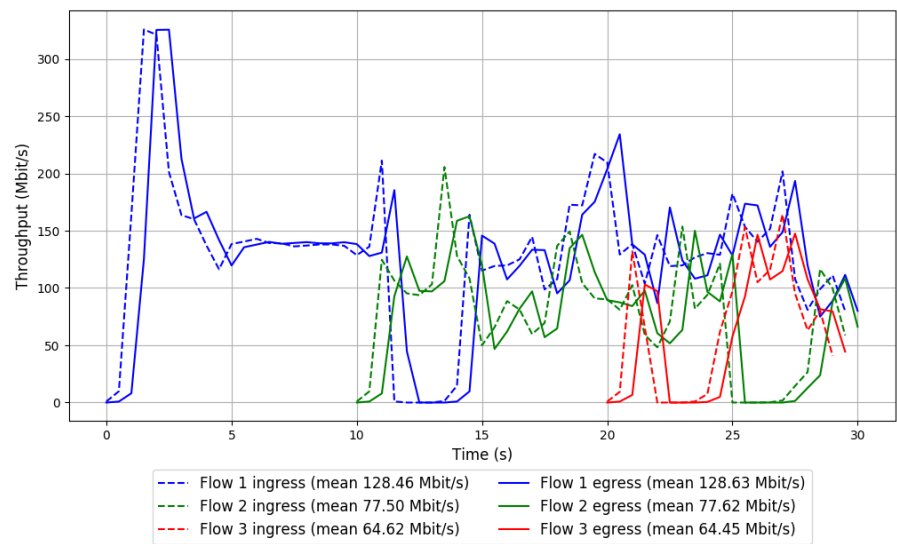


Run 10: Statistics of Copa

Start at: 2018-07-01 07:51:36
End at: 2018-07-01 07:52:06
Local clock offset: -0.097 ms
Remote clock offset: -0.402 ms

Below is generated by plot.py at 2018-07-01 08:52:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 200.17 Mbit/s
95th percentile per-packet one-way delay: 72.038 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 128.63 Mbit/s
95th percentile per-packet one-way delay: 72.215 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 77.62 Mbit/s
95th percentile per-packet one-way delay: 70.178 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 64.45 Mbit/s
95th percentile per-packet one-way delay: 75.273 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

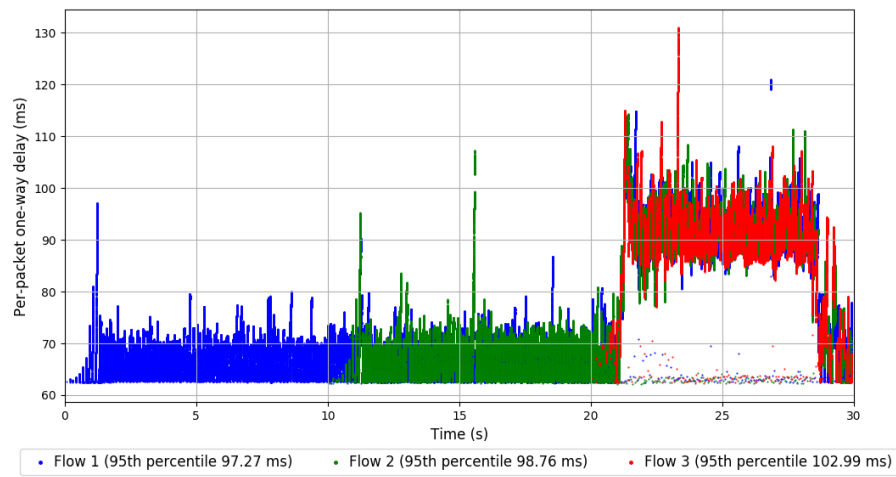
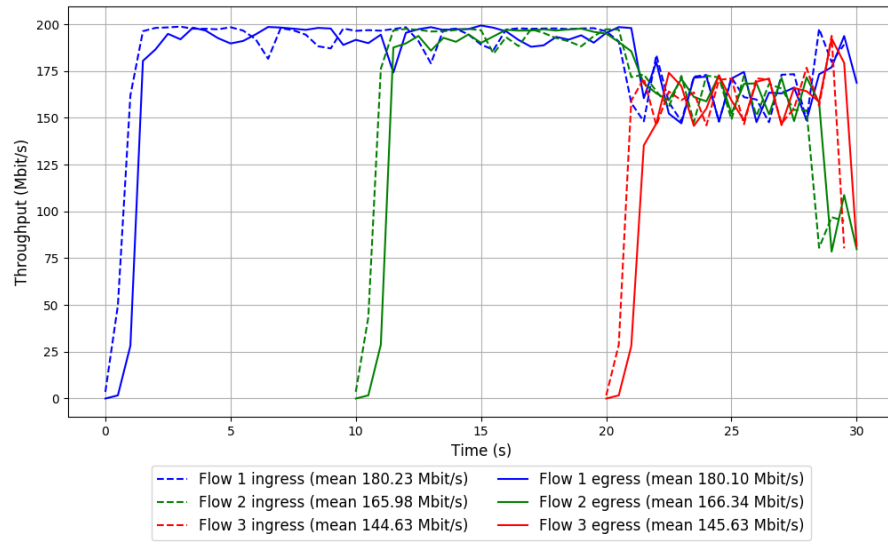


Run 1: Statistics of TCP Cubic

Start at: 2018-07-01 04:22:26
End at: 2018-07-01 04:22:56
Local clock offset: -0.093 ms
Remote clock offset: -1.324 ms

Below is generated by plot.py at 2018-07-01 08:52:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 338.63 Mbit/s
95th percentile per-packet one-way delay: 99.174 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 180.10 Mbit/s
95th percentile per-packet one-way delay: 97.273 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 166.34 Mbit/s
95th percentile per-packet one-way delay: 98.764 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 145.63 Mbit/s
95th percentile per-packet one-way delay: 102.989 ms
Loss rate: 0.55%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-01 04:47:05

End at: 2018-07-01 04:47:35

Local clock offset: -0.024 ms

Remote clock offset: 1.227 ms

Below is generated by plot.py at 2018-07-01 08:52:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 268.99 Mbit/s

95th percentile per-packet one-way delay: 77.740 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 186.04 Mbit/s

95th percentile per-packet one-way delay: 75.636 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 38.79 Mbit/s

95th percentile per-packet one-way delay: 80.772 ms

Loss rate: 2.98%

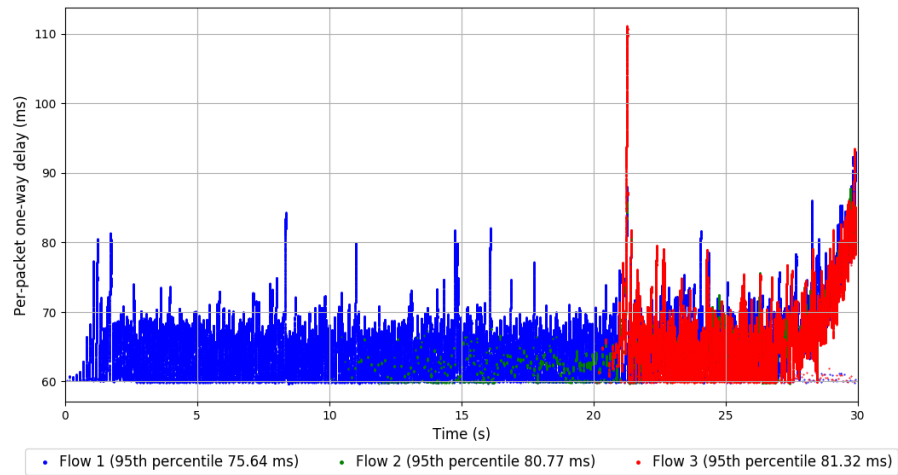
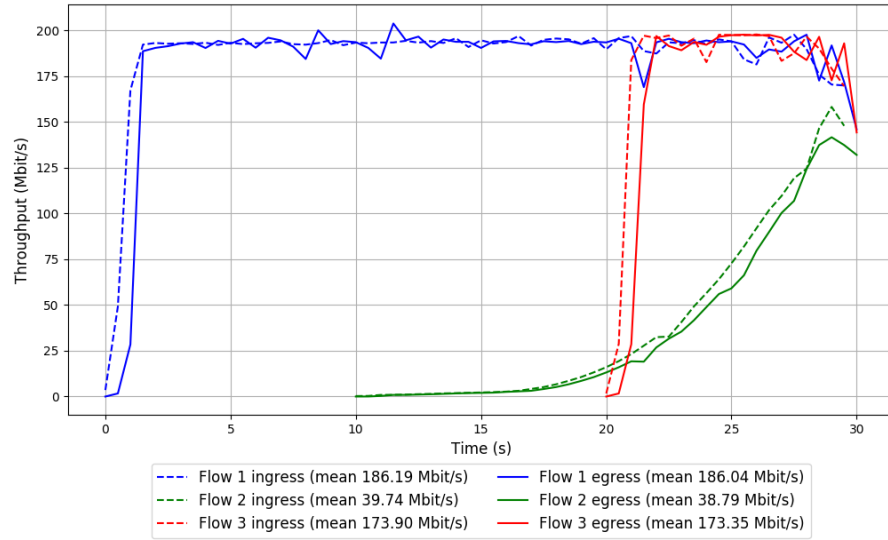
-- Flow 3:

Average throughput: 173.35 Mbit/s

95th percentile per-packet one-way delay: 81.319 ms

Loss rate: 1.54%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-01 05:11:38

End at: 2018-07-01 05:12:08

Local clock offset: 0.049 ms

Remote clock offset: 1.062 ms

Below is generated by plot.py at 2018-07-01 08:52:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 228.83 Mbit/s

95th percentile per-packet one-way delay: 75.624 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 144.00 Mbit/s

95th percentile per-packet one-way delay: 74.320 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 114.79 Mbit/s

95th percentile per-packet one-way delay: 78.717 ms

Loss rate: 0.09%

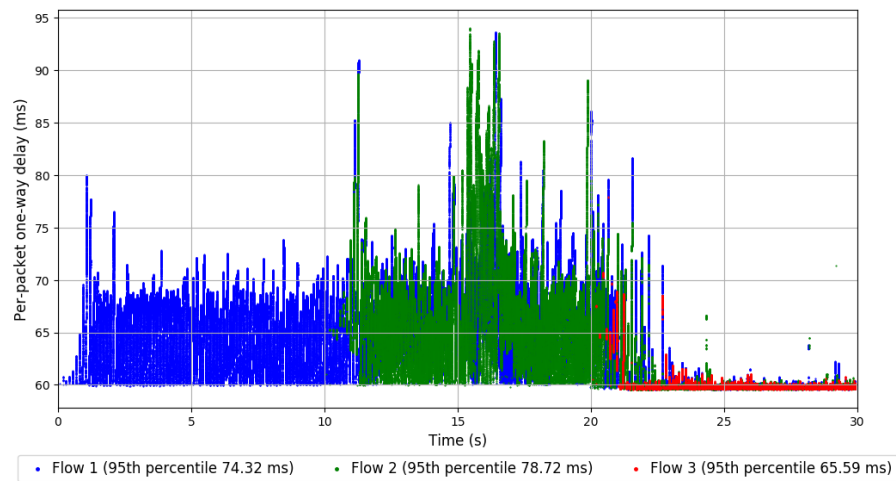
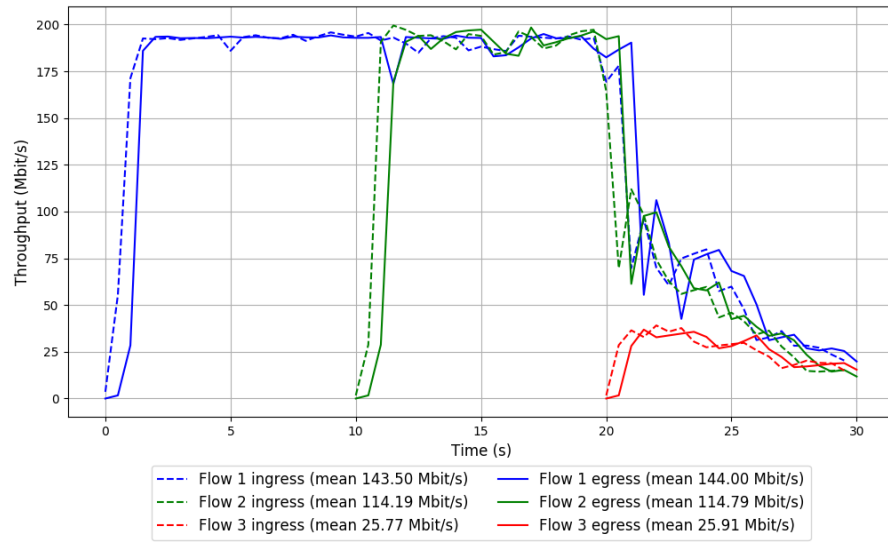
-- Flow 3:

Average throughput: 25.91 Mbit/s

95th percentile per-packet one-way delay: 65.593 ms

Loss rate: 0.71%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-01 05:36:07

End at: 2018-07-01 05:36:37

Local clock offset: -0.077 ms

Remote clock offset: 0.14 ms

Below is generated by plot.py at 2018-07-01 08:53:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 319.50 Mbit/s

95th percentile per-packet one-way delay: 76.524 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 167.69 Mbit/s

95th percentile per-packet one-way delay: 74.025 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 177.40 Mbit/s

95th percentile per-packet one-way delay: 78.215 ms

Loss rate: 0.25%

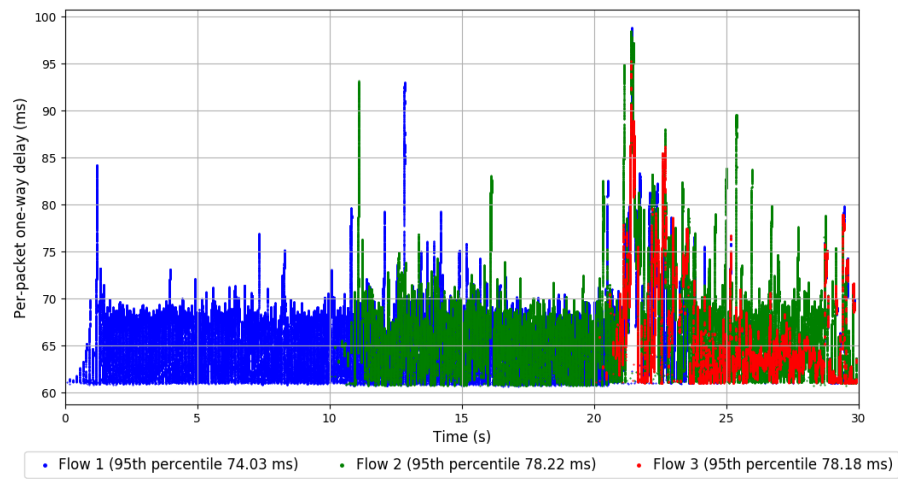
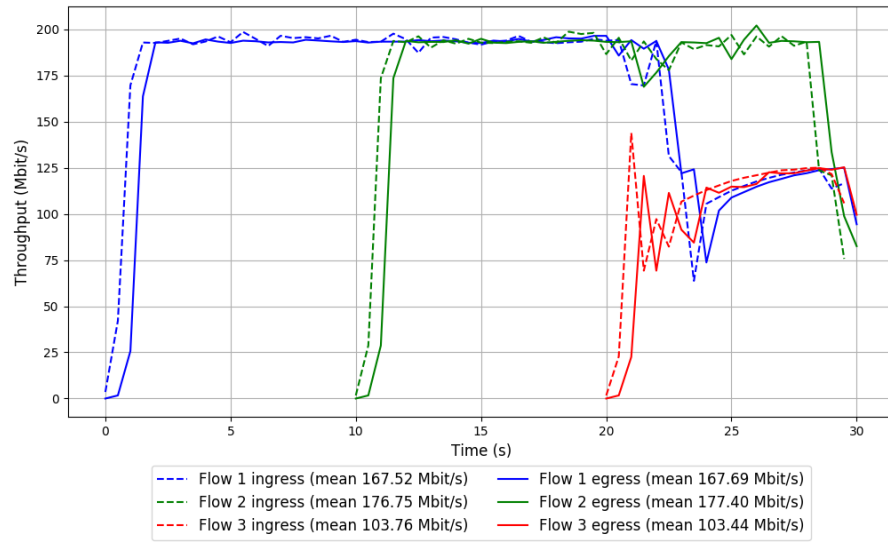
-- Flow 3:

Average throughput: 103.44 Mbit/s

95th percentile per-packet one-way delay: 78.176 ms

Loss rate: 1.51%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-01 06:00:44

End at: 2018-07-01 06:01:14

Local clock offset: -0.085 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-07-01 08:56:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 338.72 Mbit/s

95th percentile per-packet one-way delay: 99.765 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 177.51 Mbit/s

95th percentile per-packet one-way delay: 98.682 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 168.80 Mbit/s

95th percentile per-packet one-way delay: 99.815 ms

Loss rate: 0.79%

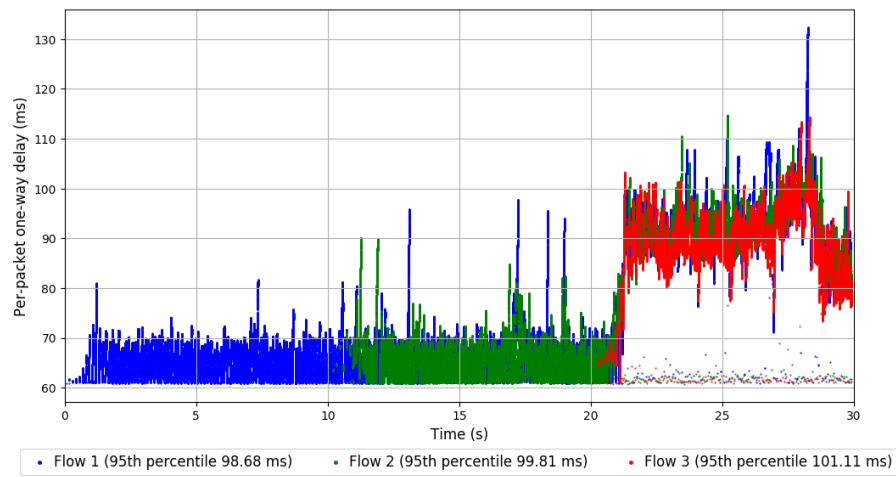
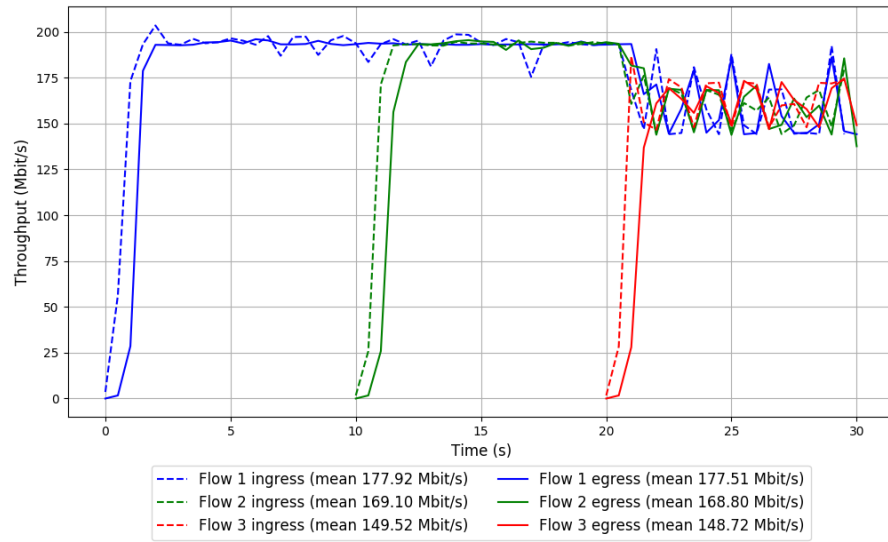
-- Flow 3:

Average throughput: 148.72 Mbit/s

95th percentile per-packet one-way delay: 101.108 ms

Loss rate: 1.67%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-01 06:25:36

End at: 2018-07-01 06:26:06

Local clock offset: -0.057 ms

Remote clock offset: 0.138 ms

Below is generated by plot.py at 2018-07-01 08:56:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 267.33 Mbit/s

95th percentile per-packet one-way delay: 75.916 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 181.74 Mbit/s

95th percentile per-packet one-way delay: 74.808 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 42.34 Mbit/s

95th percentile per-packet one-way delay: 79.221 ms

Loss rate: 2.81%

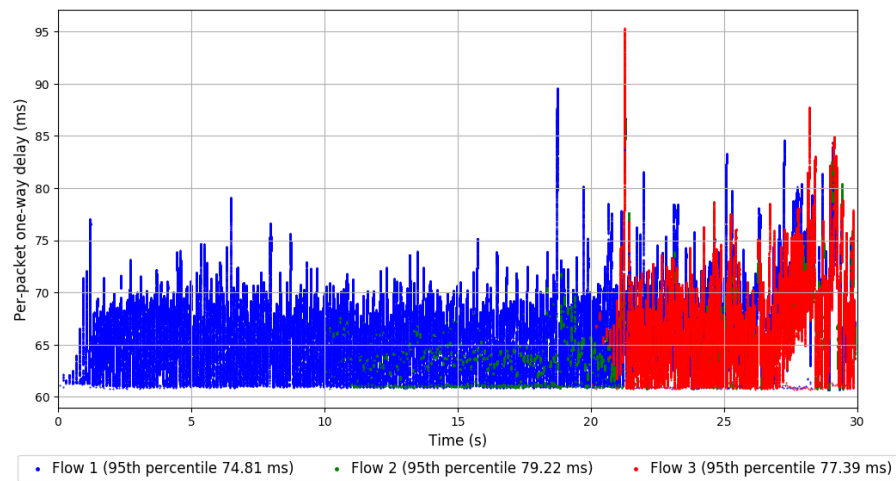
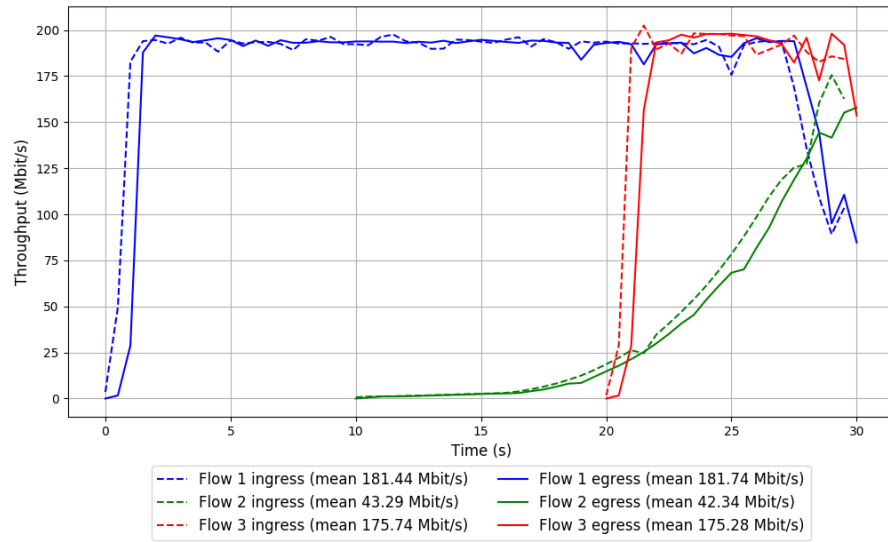
-- Flow 3:

Average throughput: 175.28 Mbit/s

95th percentile per-packet one-way delay: 77.391 ms

Loss rate: 1.41%

Run 6: Report of TCP Cubic — Data Link

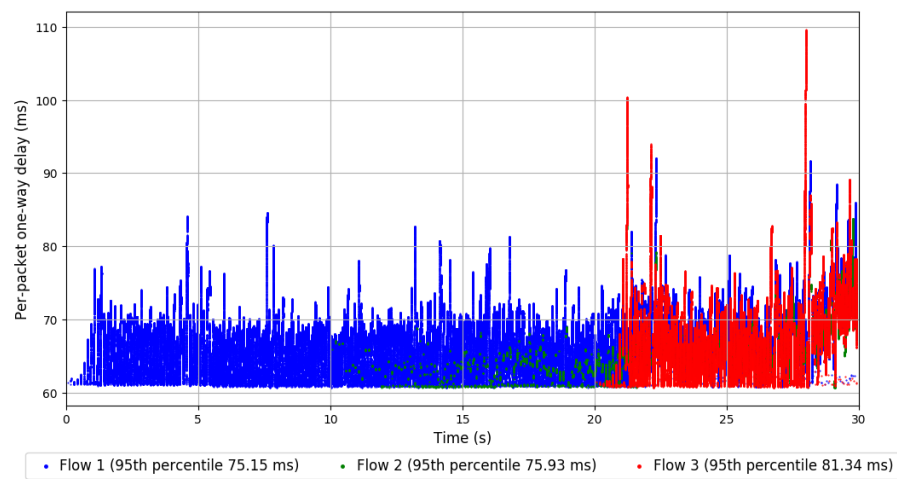
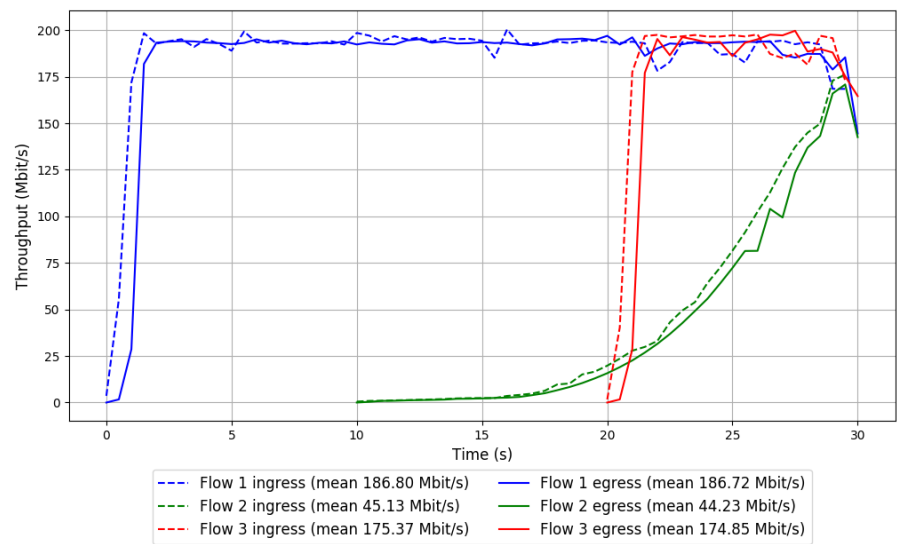


Run 7: Statistics of TCP Cubic

Start at: 2018-07-01 06:51:02
End at: 2018-07-01 06:51:32
Local clock offset: -0.035 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-01 08:56:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 273.51 Mbit/s
95th percentile per-packet one-way delay: 76.395 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 186.72 Mbit/s
95th percentile per-packet one-way delay: 75.153 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 44.23 Mbit/s
95th percentile per-packet one-way delay: 75.927 ms
Loss rate: 2.62%
-- Flow 3:
Average throughput: 174.85 Mbit/s
95th percentile per-packet one-way delay: 81.341 ms
Loss rate: 1.52%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-01 07:16:04

End at: 2018-07-01 07:16:34

Local clock offset: -0.131 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-01 08:57:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 285.59 Mbit/s

95th percentile per-packet one-way delay: 73.891 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 173.71 Mbit/s

95th percentile per-packet one-way delay: 73.693 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 166.44 Mbit/s

95th percentile per-packet one-way delay: 74.334 ms

Loss rate: 0.45%

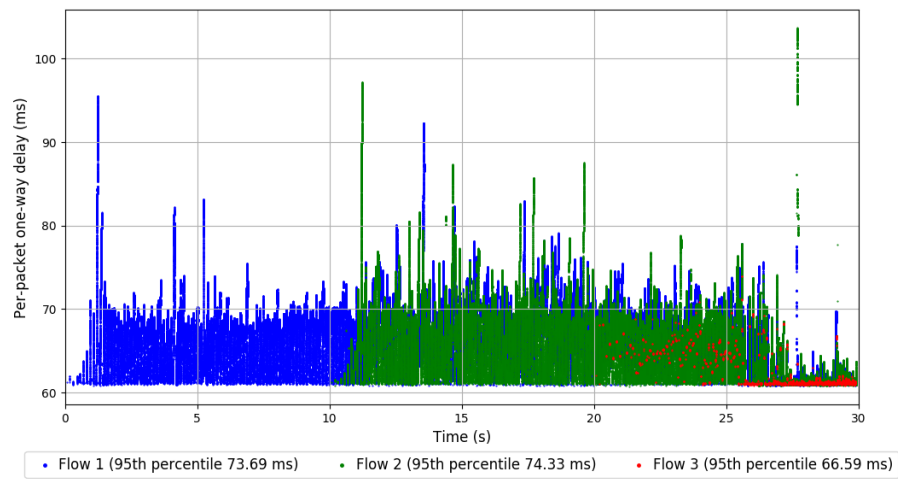
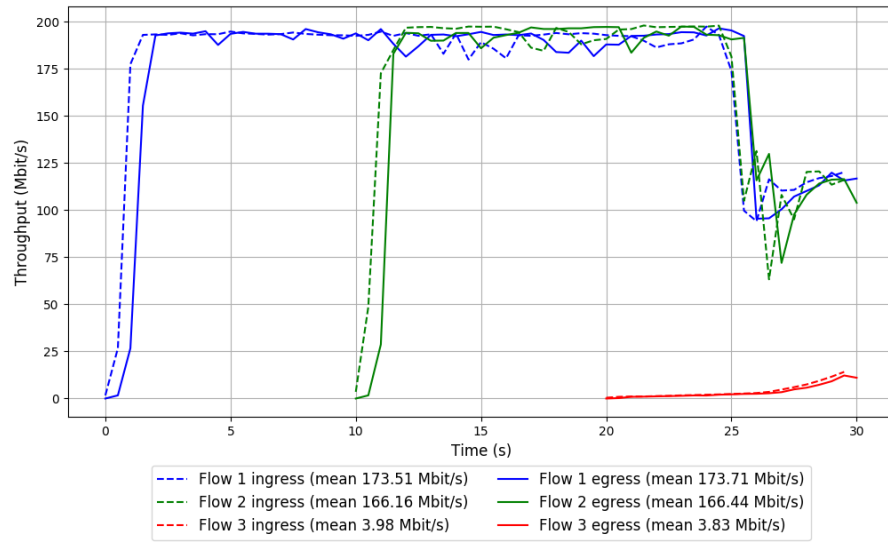
-- Flow 3:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 66.586 ms

Loss rate: 5.03%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-01 07:40:48

End at: 2018-07-01 07:41:18

Local clock offset: -0.09 ms

Remote clock offset: 0.216 ms

Below is generated by plot.py at 2018-07-01 08:57:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 268.67 Mbit/s

95th percentile per-packet one-way delay: 84.529 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 186.83 Mbit/s

95th percentile per-packet one-way delay: 78.923 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 38.51 Mbit/s

95th percentile per-packet one-way delay: 90.059 ms

Loss rate: 2.98%

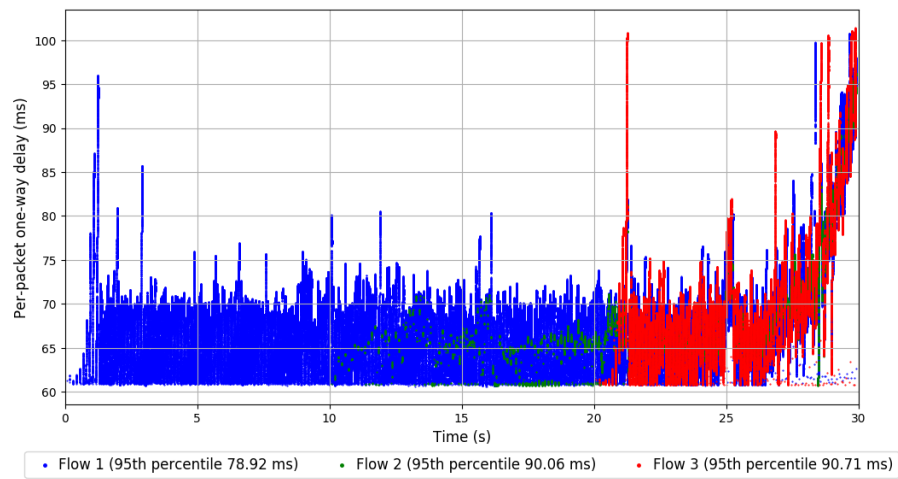
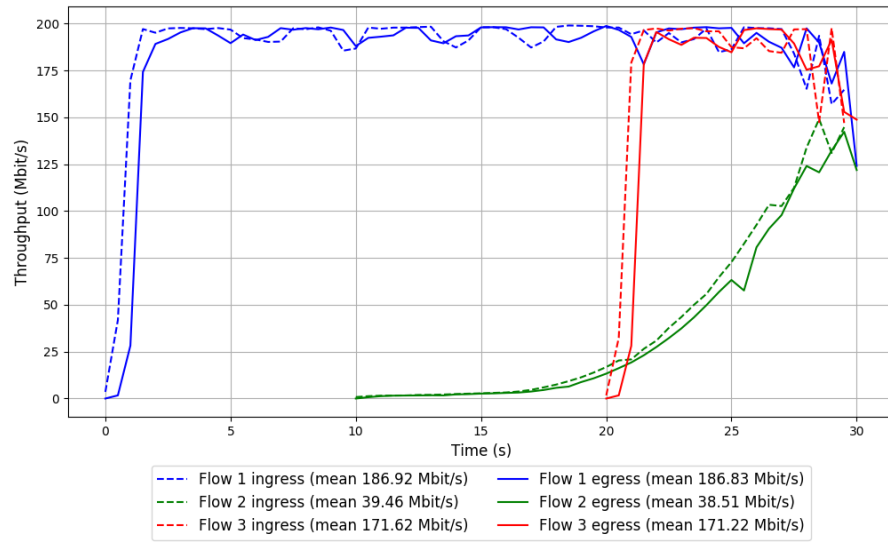
-- Flow 3:

Average throughput: 171.22 Mbit/s

95th percentile per-packet one-way delay: 90.714 ms

Loss rate: 1.41%

Run 9: Report of TCP Cubic — Data Link

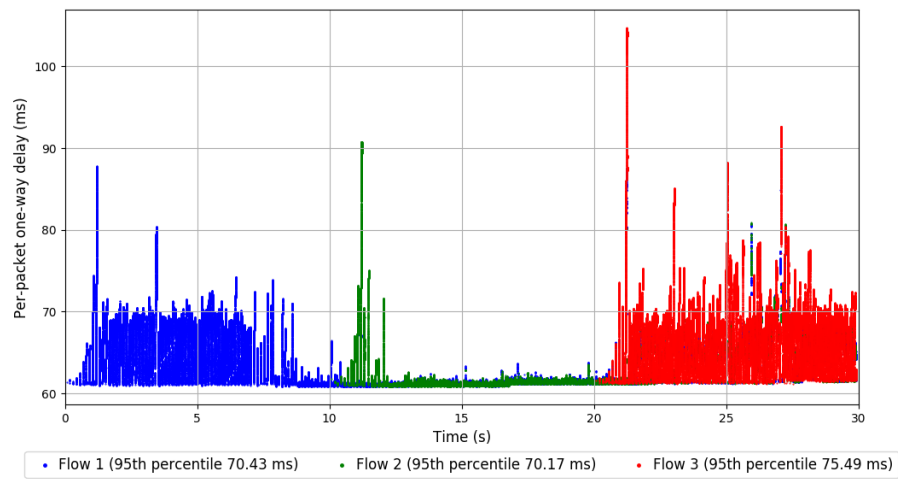
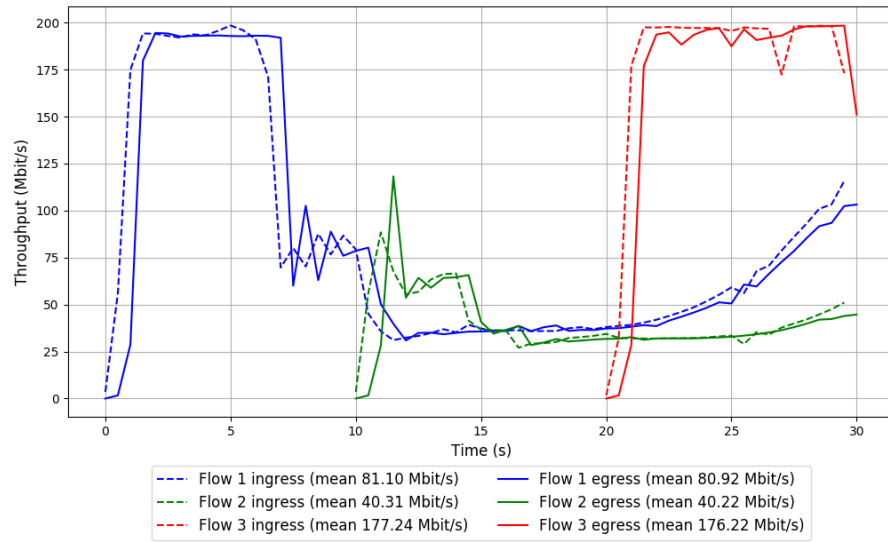


Run 10: Statistics of TCP Cubic

Start at: 2018-07-01 08:06:11
End at: 2018-07-01 08:06:41
Local clock offset: -0.097 ms
Remote clock offset: -0.268 ms

Below is generated by plot.py at 2018-07-01 08:57:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 165.69 Mbit/s
95th percentile per-packet one-way delay: 73.008 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 80.92 Mbit/s
95th percentile per-packet one-way delay: 70.430 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 40.22 Mbit/s
95th percentile per-packet one-way delay: 70.167 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 176.22 Mbit/s
95th percentile per-packet one-way delay: 75.492 ms
Loss rate: 1.33%

Run 10: Report of TCP Cubic — Data Link

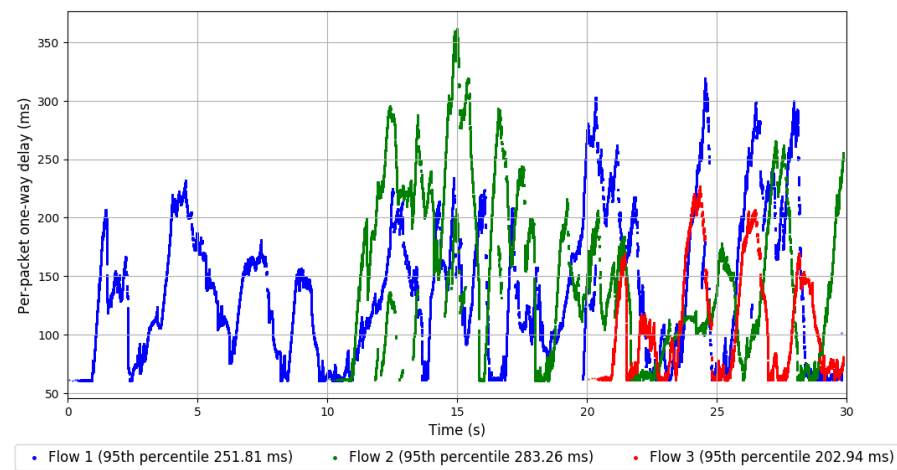
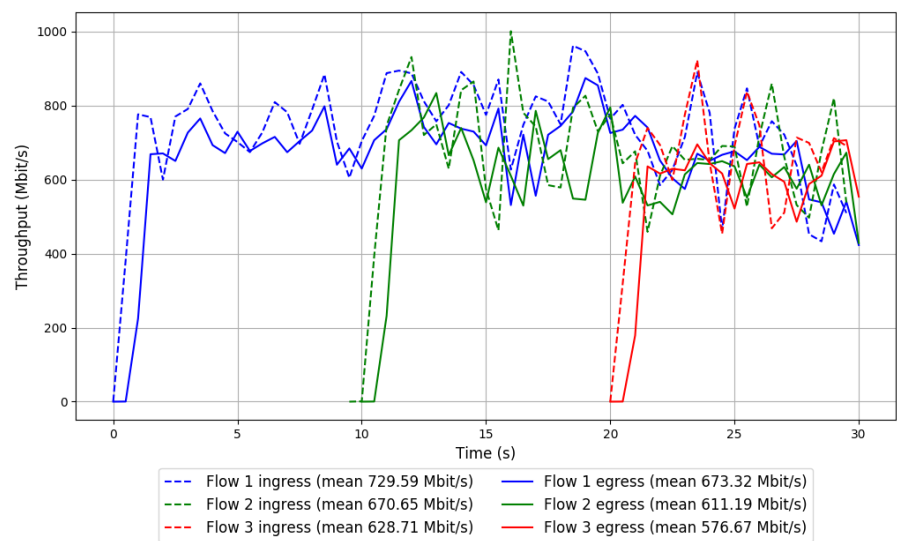


Run 1: Statistics of FillP

Start at: 2018-07-01 04:25:04
End at: 2018-07-01 04:25:34
Local clock offset: -0.092 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-07-01 09:25:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 1269.23 Mbit/s
95th percentile per-packet one-way delay: 257.666 ms
Loss rate: 8.79%
-- Flow 1:
Average throughput: 673.32 Mbit/s
95th percentile per-packet one-way delay: 251.812 ms
Loss rate: 8.09%
-- Flow 2:
Average throughput: 611.19 Mbit/s
95th percentile per-packet one-way delay: 283.262 ms
Loss rate: 9.65%
-- Flow 3:
Average throughput: 576.67 Mbit/s
95th percentile per-packet one-way delay: 202.944 ms
Loss rate: 9.41%

Run 1: Report of FillP — Data Link

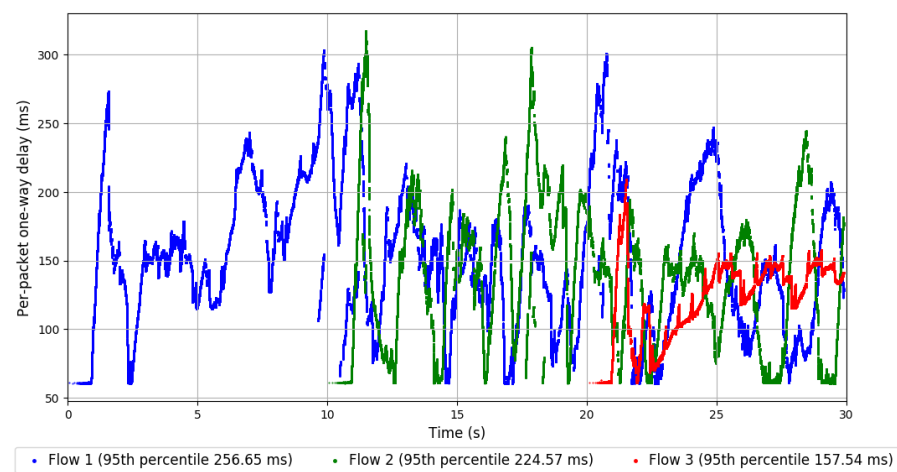
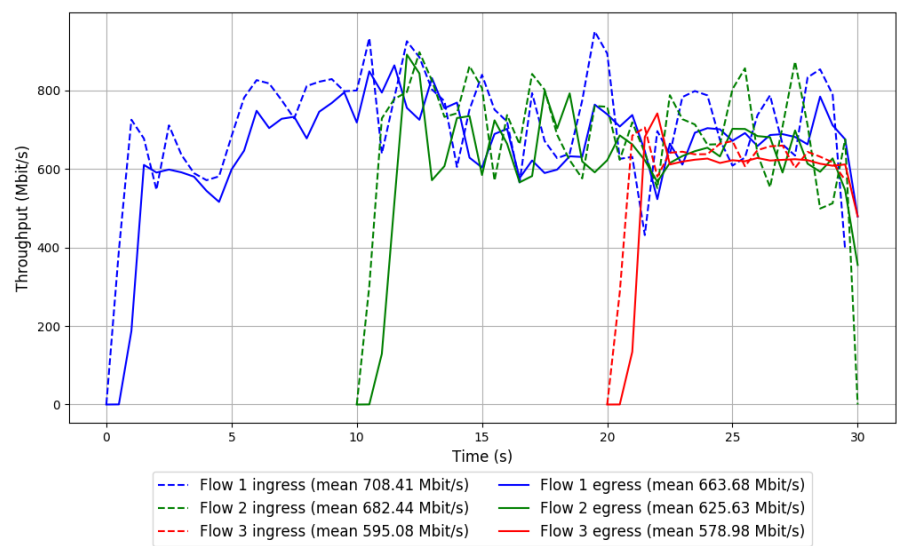


Run 2: Statistics of FillP

Start at: 2018-07-01 04:49:38
End at: 2018-07-01 04:50:08
Local clock offset: -0.011 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-01 09:26:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 1269.10 Mbit/s
95th percentile per-packet one-way delay: 236.373 ms
Loss rate: 7.27%
-- Flow 1:
Average throughput: 663.68 Mbit/s
95th percentile per-packet one-way delay: 256.651 ms
Loss rate: 6.69%
-- Flow 2:
Average throughput: 625.63 Mbit/s
95th percentile per-packet one-way delay: 224.572 ms
Loss rate: 9.59%
-- Flow 3:
Average throughput: 578.98 Mbit/s
95th percentile per-packet one-way delay: 157.537 ms
Loss rate: 3.93%

Run 2: Report of FillP — Data Link

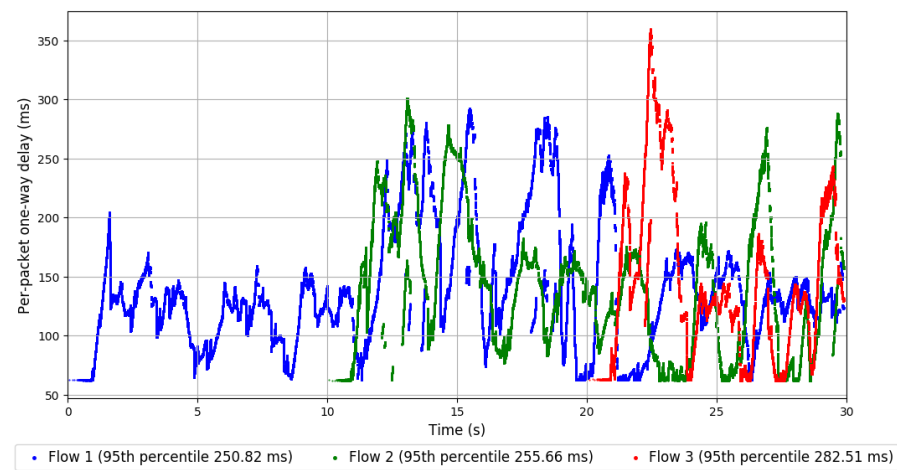
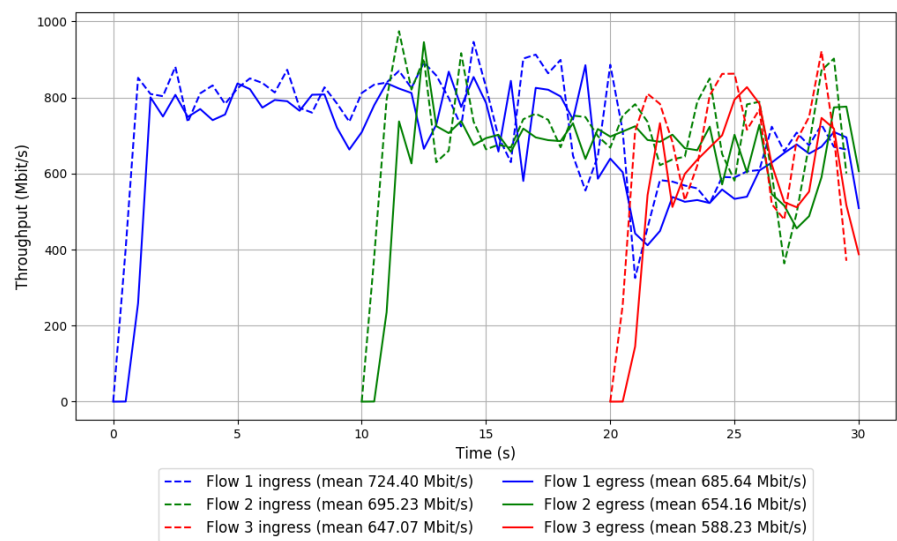


Run 3: Statistics of FillP

Start at: 2018-07-01 05:14:10
End at: 2018-07-01 05:14:40
Local clock offset: -0.001 ms
Remote clock offset: -1.412 ms

Below is generated by plot.py at 2018-07-01 09:30:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 1313.57 Mbit/s
95th percentile per-packet one-way delay: 257.381 ms
Loss rate: 6.67%
-- Flow 1:
Average throughput: 685.64 Mbit/s
95th percentile per-packet one-way delay: 250.822 ms
Loss rate: 5.74%
-- Flow 2:
Average throughput: 654.16 Mbit/s
95th percentile per-packet one-way delay: 255.660 ms
Loss rate: 6.49%
-- Flow 3:
Average throughput: 588.23 Mbit/s
95th percentile per-packet one-way delay: 282.510 ms
Loss rate: 10.20%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-01 05:38:44

End at: 2018-07-01 05:39:14

Local clock offset: -0.065 ms

Remote clock offset: 1.388 ms

Below is generated by plot.py at 2018-07-01 09:30:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 1249.07 Mbit/s

95th percentile per-packet one-way delay: 257.288 ms

Loss rate: 6.45%

-- Flow 1:

Average throughput: 650.44 Mbit/s

95th percentile per-packet one-way delay: 265.209 ms

Loss rate: 7.21%

-- Flow 2:

Average throughput: 664.12 Mbit/s

95th percentile per-packet one-way delay: 258.762 ms

Loss rate: 4.13%

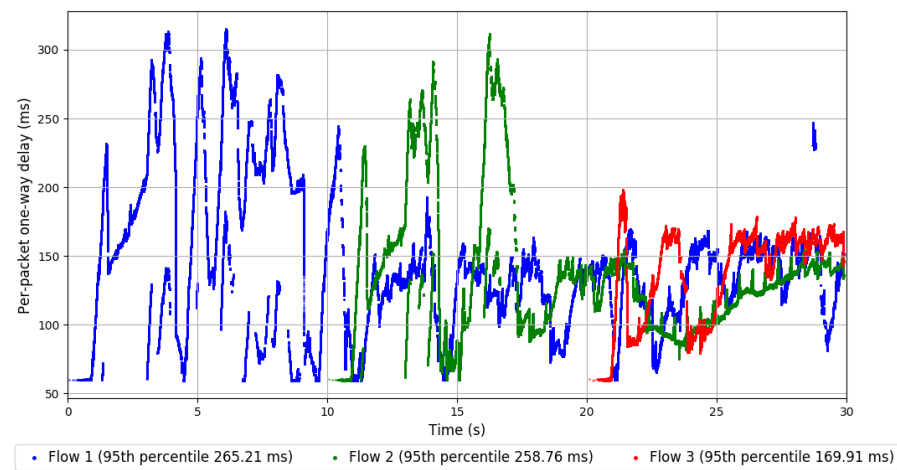
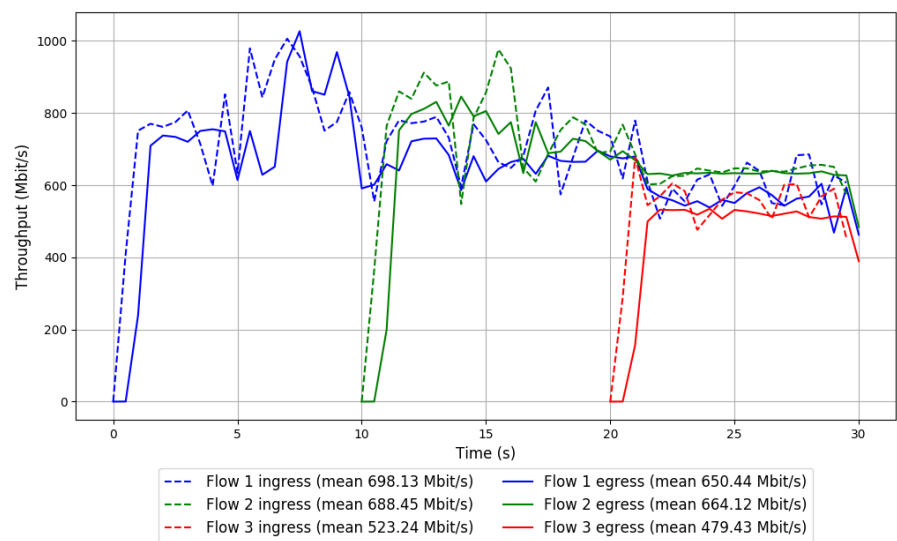
-- Flow 3:

Average throughput: 479.43 Mbit/s

95th percentile per-packet one-way delay: 169.909 ms

Loss rate: 9.51%

Run 4: Report of FillP — Data Link

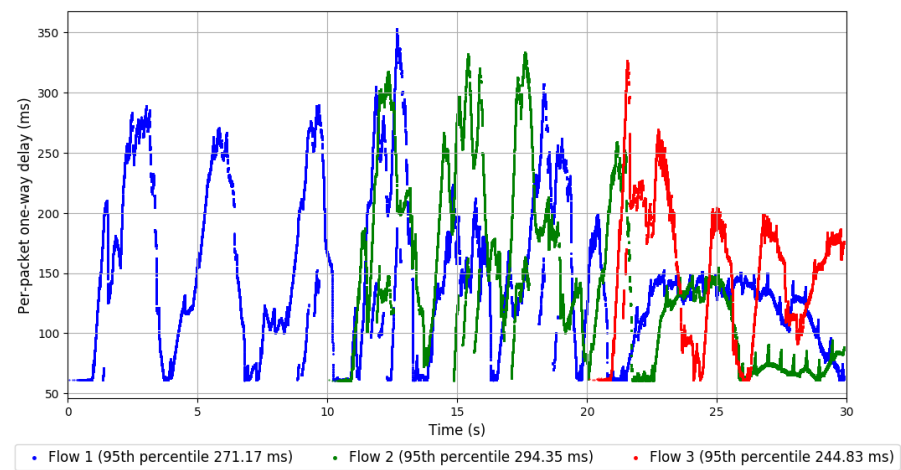
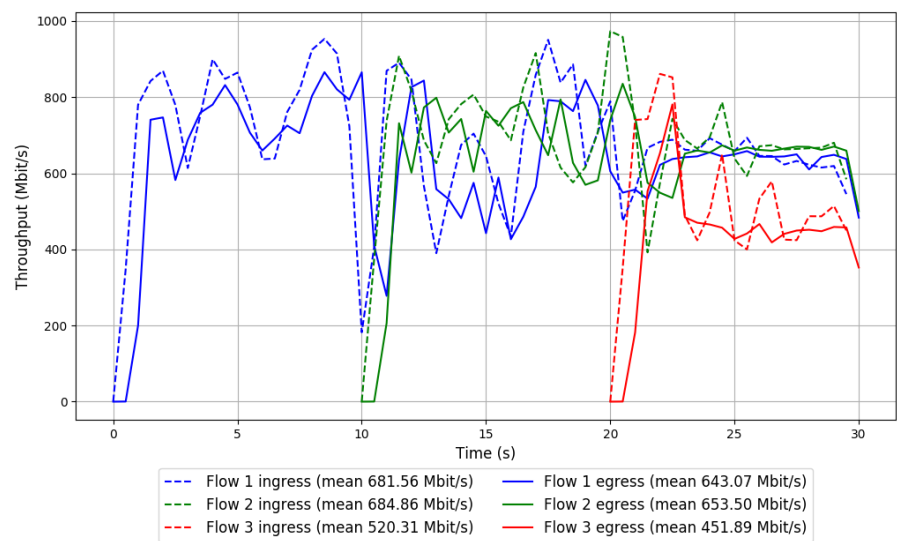


Run 5: Statistics of FillP

Start at: 2018-07-01 06:03:23
End at: 2018-07-01 06:03:53
Local clock offset: -0.075 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-01 09:30:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 1225.90 Mbit/s
95th percentile per-packet one-way delay: 276.762 ms
Loss rate: 6.82%
-- Flow 1:
Average throughput: 643.07 Mbit/s
95th percentile per-packet one-way delay: 271.170 ms
Loss rate: 6.04%
-- Flow 2:
Average throughput: 653.50 Mbit/s
95th percentile per-packet one-way delay: 294.351 ms
Loss rate: 5.17%
-- Flow 3:
Average throughput: 451.89 Mbit/s
95th percentile per-packet one-way delay: 244.826 ms
Loss rate: 14.25%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-01 06:28:13

End at: 2018-07-01 06:28:43

Local clock offset: -0.042 ms

Remote clock offset: 0.182 ms

Below is generated by plot.py at 2018-07-01 09:32:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 1357.09 Mbit/s

95th percentile per-packet one-way delay: 246.444 ms

Loss rate: 5.31%

-- Flow 1:

Average throughput: 731.91 Mbit/s

95th percentile per-packet one-way delay: 260.883 ms

Loss rate: 5.02%

-- Flow 2:

Average throughput: 671.51 Mbit/s

95th percentile per-packet one-way delay: 238.953 ms

Loss rate: 4.49%

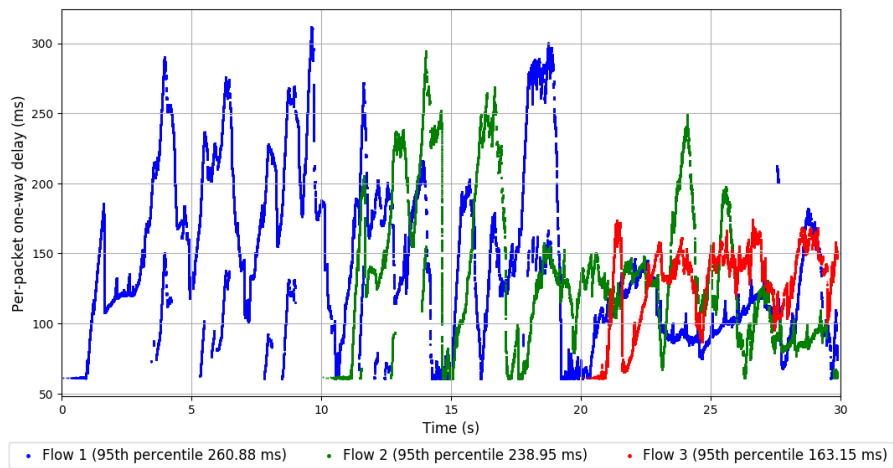
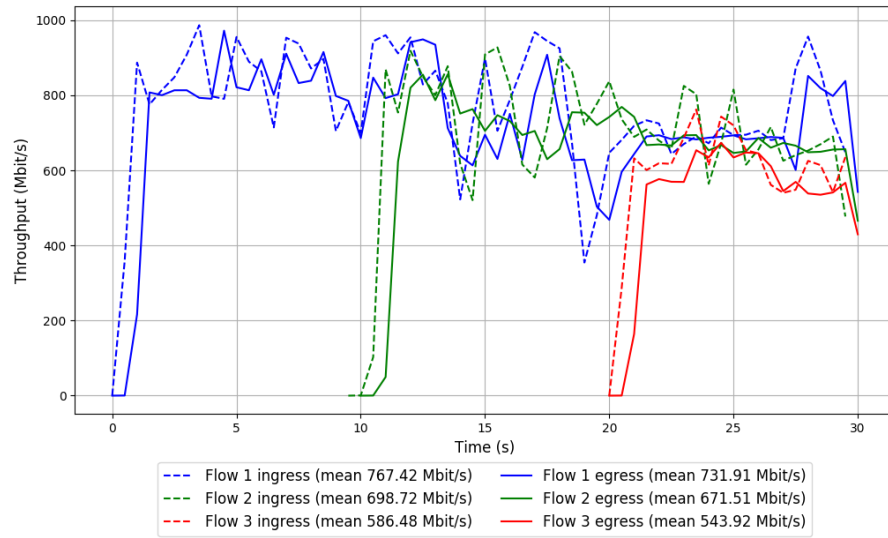
-- Flow 3:

Average throughput: 543.92 Mbit/s

95th percentile per-packet one-way delay: 163.151 ms

Loss rate: 8.41%

Run 6: Report of FillP — Data Link

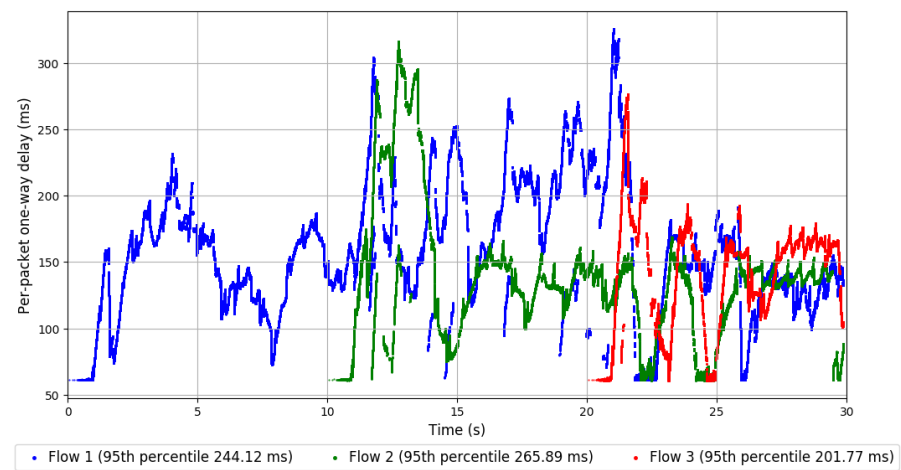
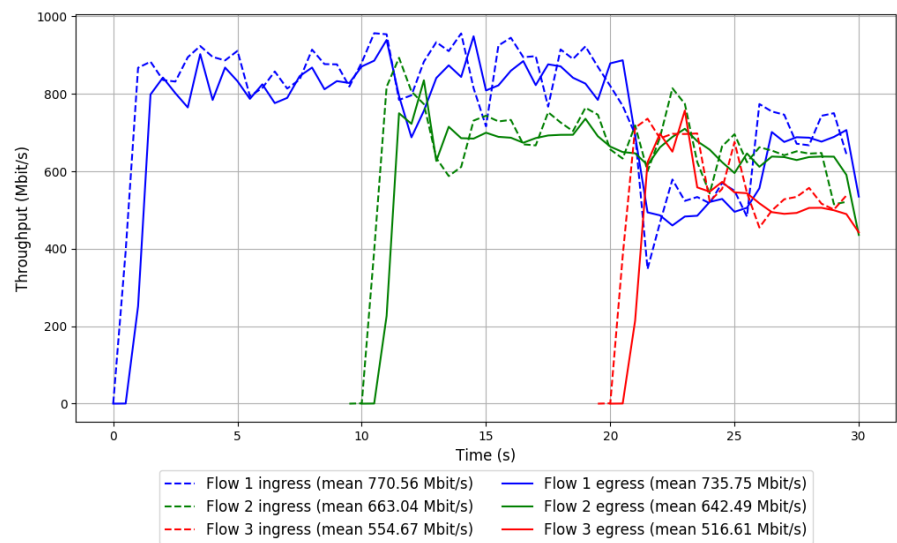


Run 7: Statistics of FillP

Start at: 2018-07-01 06:53:36
End at: 2018-07-01 06:54:06
Local clock offset: 0.022 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-01 09:33:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 1333.08 Mbit/s
95th percentile per-packet one-way delay: 245.380 ms
Loss rate: 4.93%
-- Flow 1:
Average throughput: 735.75 Mbit/s
95th percentile per-packet one-way delay: 244.119 ms
Loss rate: 4.91%
-- Flow 2:
Average throughput: 642.49 Mbit/s
95th percentile per-packet one-way delay: 265.887 ms
Loss rate: 3.70%
-- Flow 3:
Average throughput: 516.61 Mbit/s
95th percentile per-packet one-way delay: 201.769 ms
Loss rate: 8.01%

Run 7: Report of FillP — Data Link

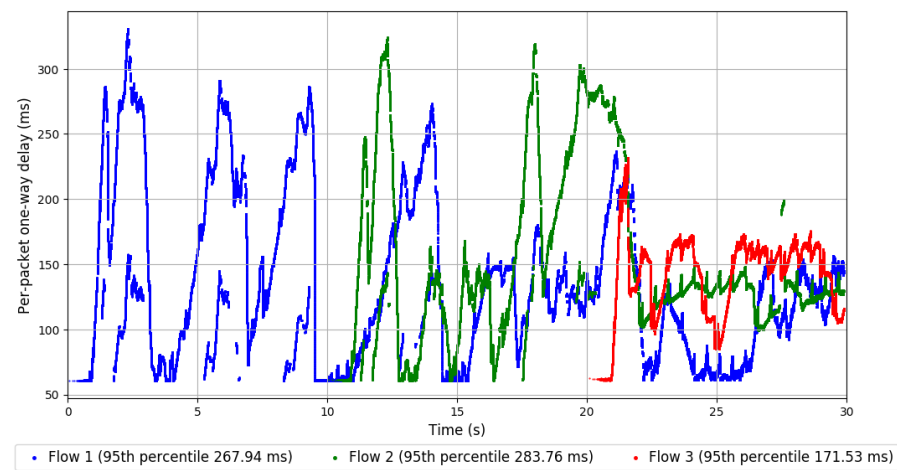
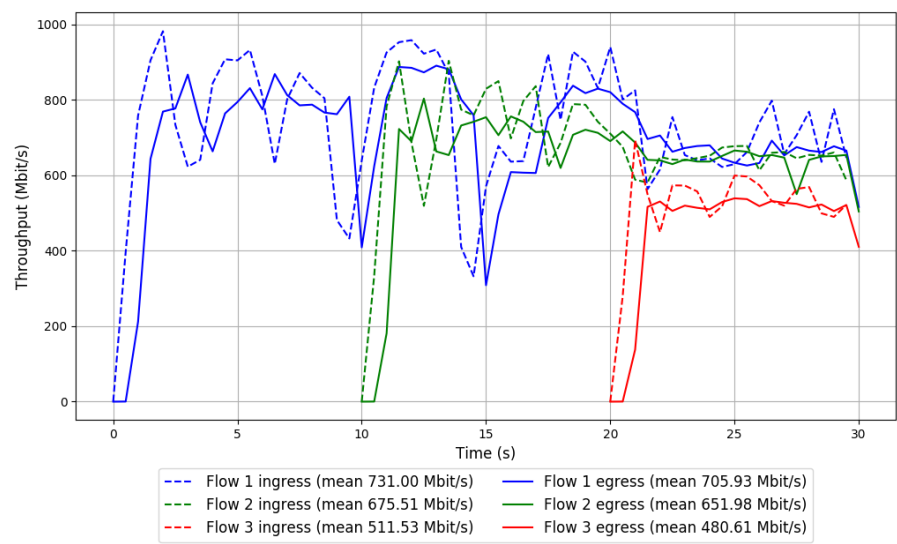


Run 8: Statistics of FillP

Start at: 2018-07-01 07:18:39
End at: 2018-07-01 07:19:09
Local clock offset: -0.134 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-01 09:33:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 1296.87 Mbit/s
95th percentile per-packet one-way delay: 272.760 ms
Loss rate: 4.32%
-- Flow 1:
Average throughput: 705.93 Mbit/s
95th percentile per-packet one-way delay: 267.939 ms
Loss rate: 3.80%
-- Flow 2:
Average throughput: 651.98 Mbit/s
95th percentile per-packet one-way delay: 283.756 ms
Loss rate: 4.08%
-- Flow 3:
Average throughput: 480.61 Mbit/s
95th percentile per-packet one-way delay: 171.528 ms
Loss rate: 7.22%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-01 07:43:21

End at: 2018-07-01 07:43:51

Local clock offset: -0.077 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-07-01 10:01:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 1270.86 Mbit/s

95th percentile per-packet one-way delay: 236.839 ms

Loss rate: 5.69%

-- Flow 1:

Average throughput: 645.40 Mbit/s

95th percentile per-packet one-way delay: 267.761 ms

Loss rate: 5.75%

-- Flow 2:

Average throughput: 641.20 Mbit/s

95th percentile per-packet one-way delay: 197.615 ms

Loss rate: 6.17%

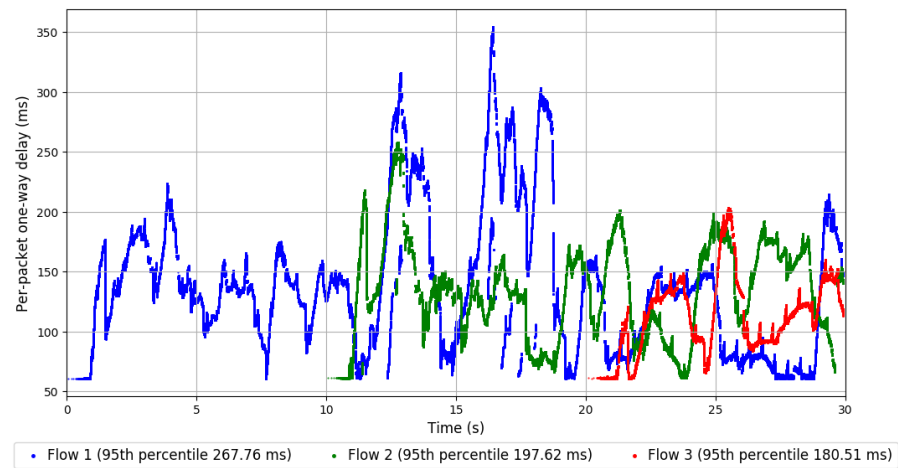
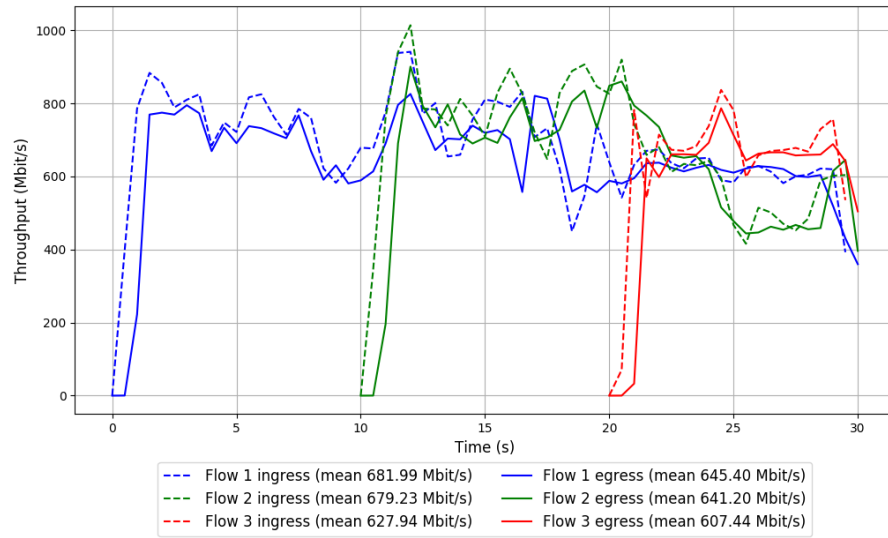
-- Flow 3:

Average throughput: 607.44 Mbit/s

95th percentile per-packet one-way delay: 180.513 ms

Loss rate: 4.45%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-01 08:08:39

End at: 2018-07-01 08:09:09

Local clock offset: -0.083 ms

Remote clock offset: 1.178 ms

Below is generated by plot.py at 2018-07-01 10:02:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 1247.70 Mbit/s

95th percentile per-packet one-way delay: 276.744 ms

Loss rate: 7.09%

-- Flow 1:

Average throughput: 662.16 Mbit/s

95th percentile per-packet one-way delay: 278.630 ms

Loss rate: 7.43%

-- Flow 2:

Average throughput: 605.45 Mbit/s

95th percentile per-packet one-way delay: 285.969 ms

Loss rate: 6.88%

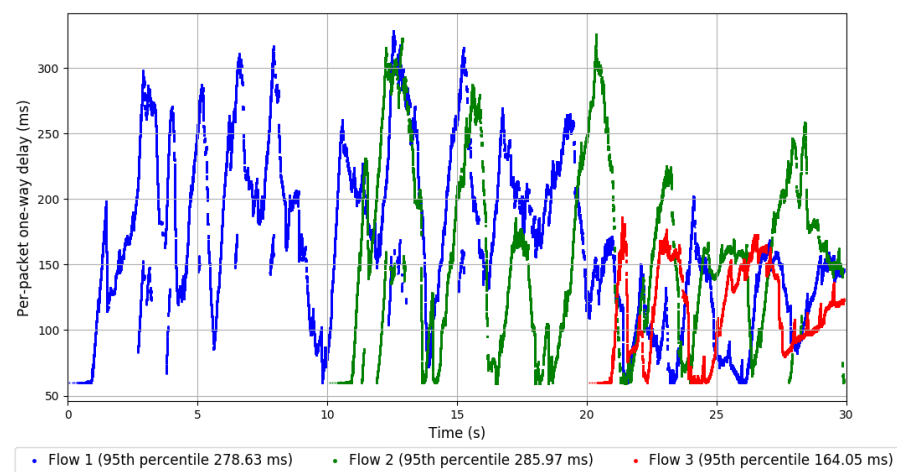
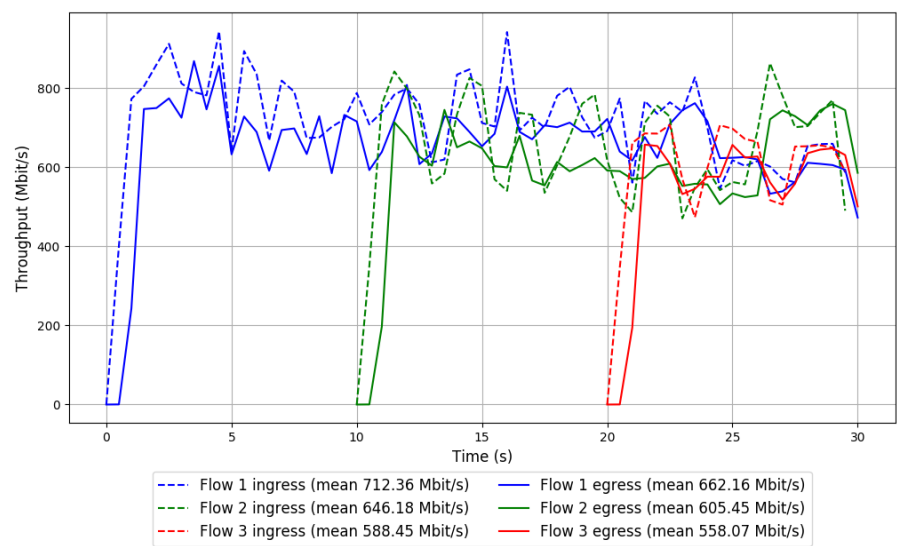
-- Flow 3:

Average throughput: 558.07 Mbit/s

95th percentile per-packet one-way delay: 164.053 ms

Loss rate: 6.33%

Run 10: Report of FillP — Data Link

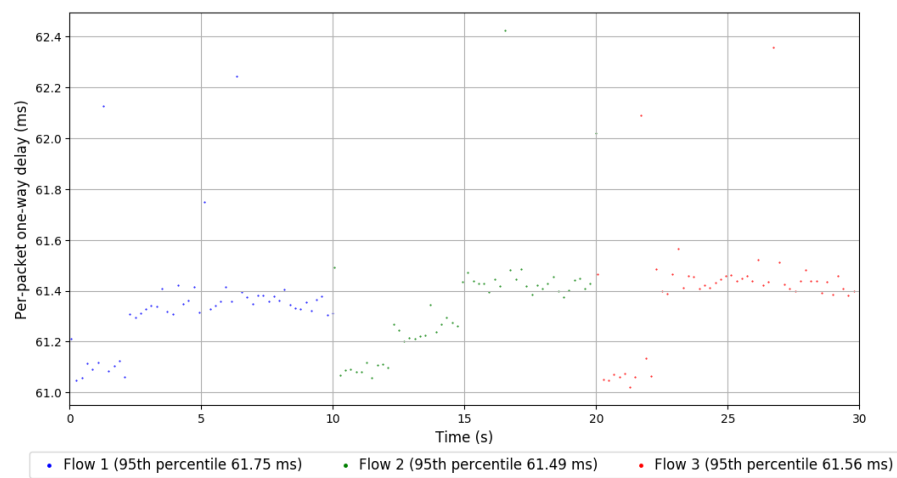
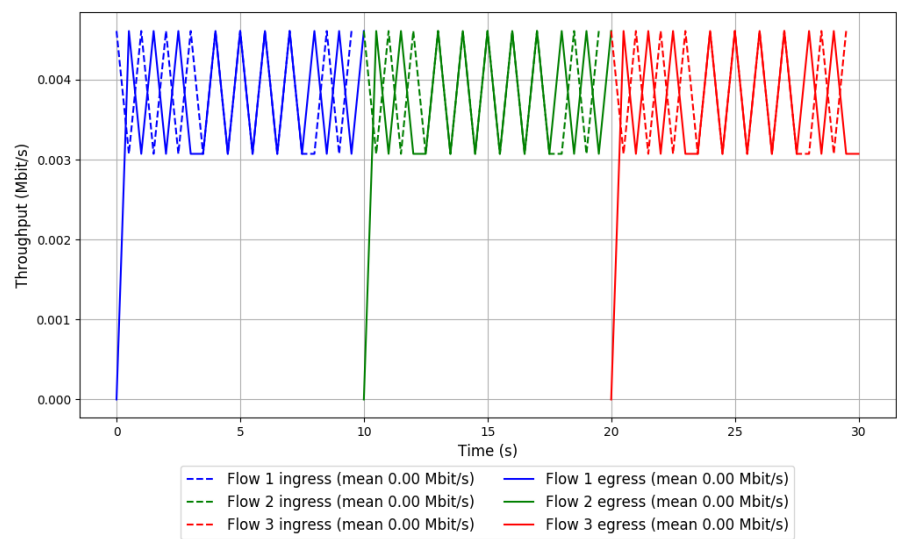


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-01 04:15:33
End at: 2018-07-01 04:16:03
Local clock offset: -0.09 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2018-07-01 10:02:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.565 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.750 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.491 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.565 ms
Loss rate: 2.00%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-01 04:40:17

End at: 2018-07-01 04:40:47

Local clock offset: -0.046 ms

Remote clock offset: 1.276 ms

Below is generated by plot.py at 2018-07-01 10:02:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 60.216 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 60.538 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 59.988 ms

Loss rate: 0.00%

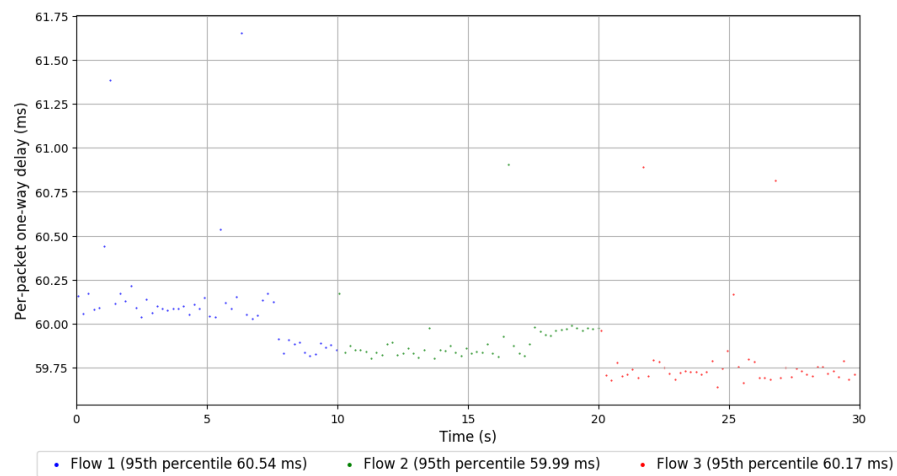
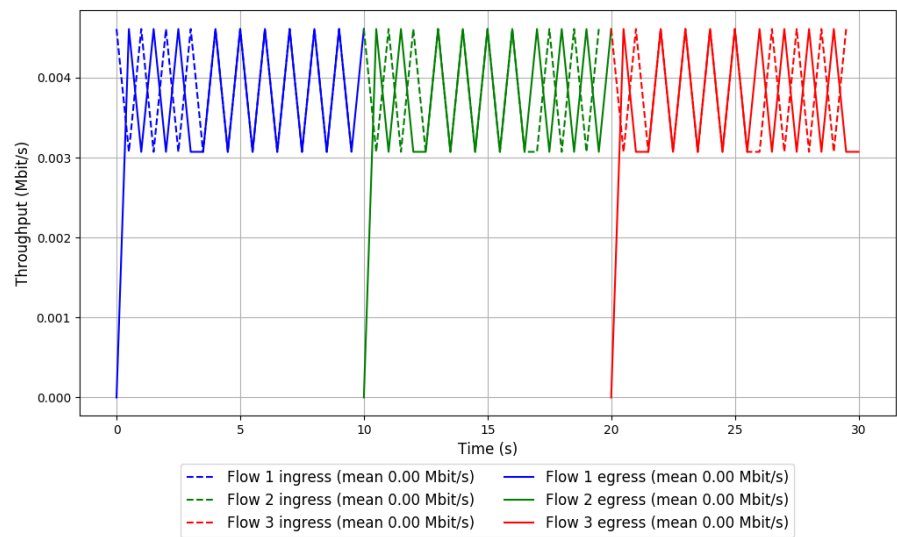
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 60.169 ms

Loss rate: 2.00%

Run 2: Report of FillP-Sheep — Data Link

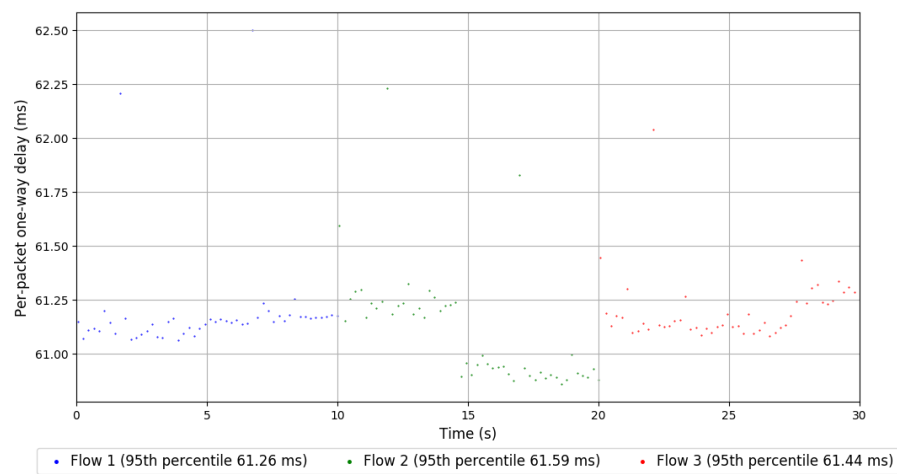
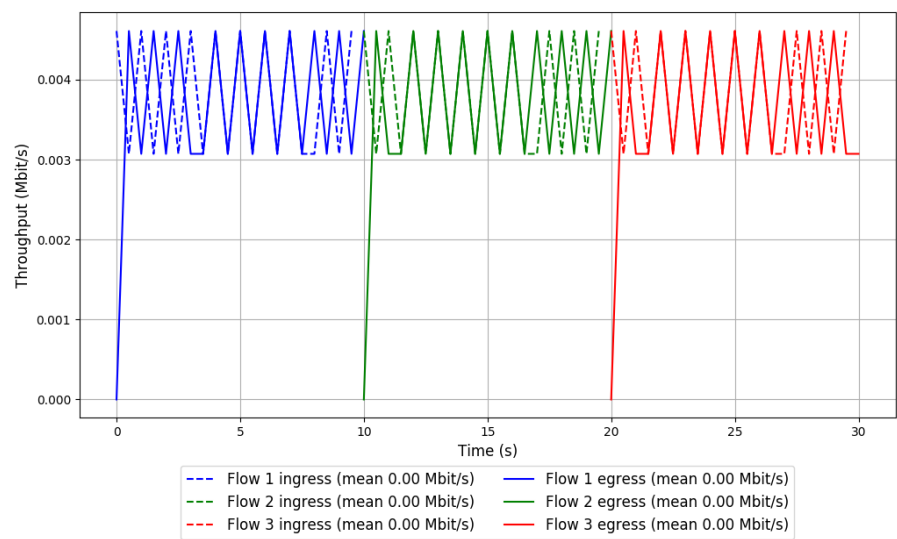


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-01 05:04:40
End at: 2018-07-01 05:05:10
Local clock offset: 0.05 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-01 10:02:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.436 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.255 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.595 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.436 ms
Loss rate: 2.00%

Run 3: Report of FillP-Sheep — Data Link

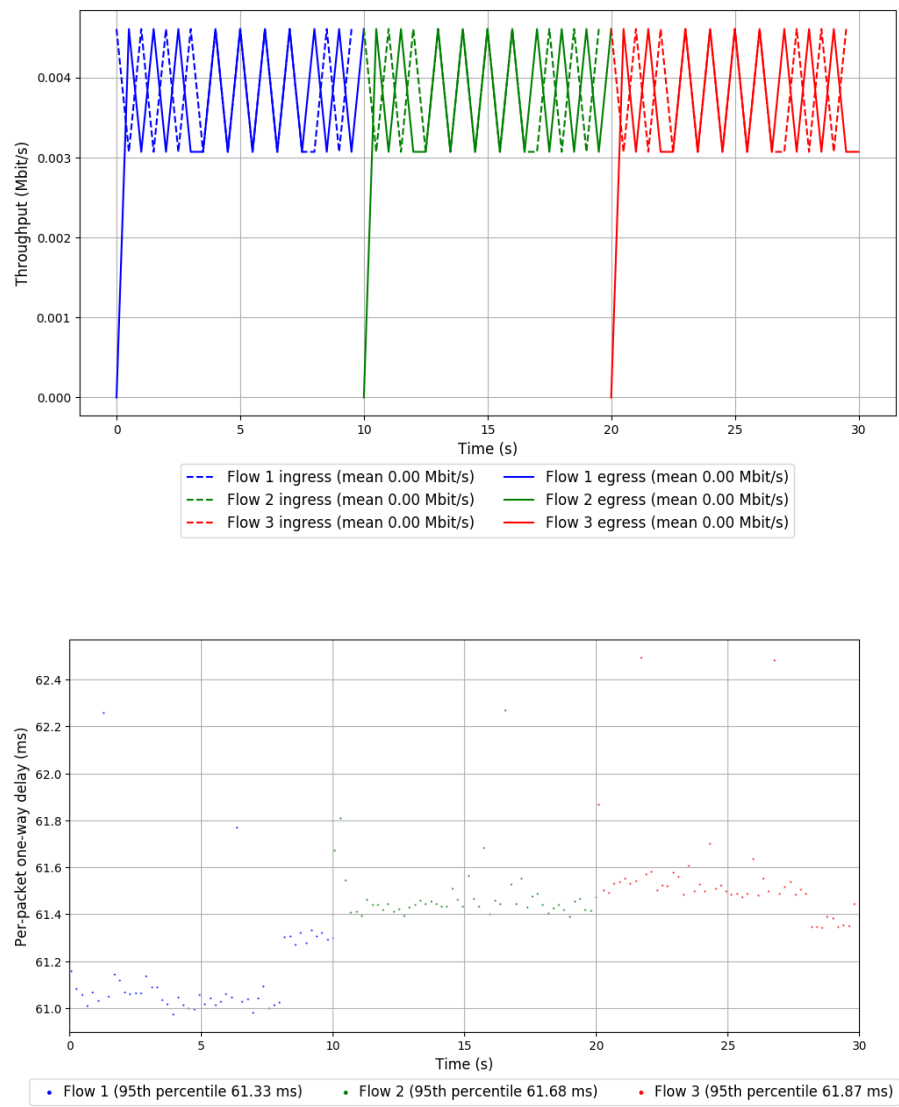


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-01 05:29:27
End at: 2018-07-01 05:29:57
Local clock offset: -0.042 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-01 10:02:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.701 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.332 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.684 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.867 ms
Loss rate: 2.00%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-01 05:53:55

End at: 2018-07-01 05:54:25

Local clock offset: -0.127 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-07-01 10:02:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.530 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.570 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.203 ms

Loss rate: 0.00%

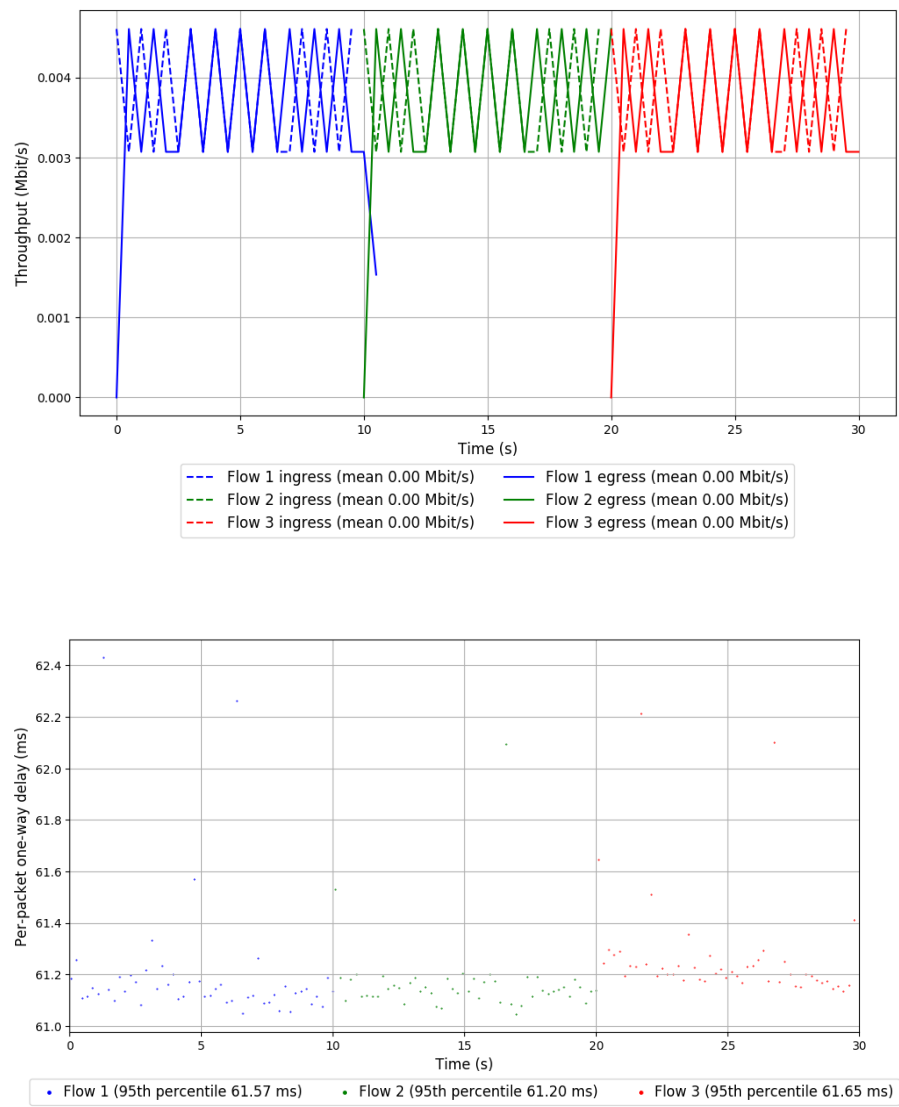
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.646 ms

Loss rate: 2.00%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-01 06:18:50

End at: 2018-07-01 06:19:20

Local clock offset: -0.095 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-01 10:02:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.392 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.392 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.491 ms

Loss rate: 0.00%

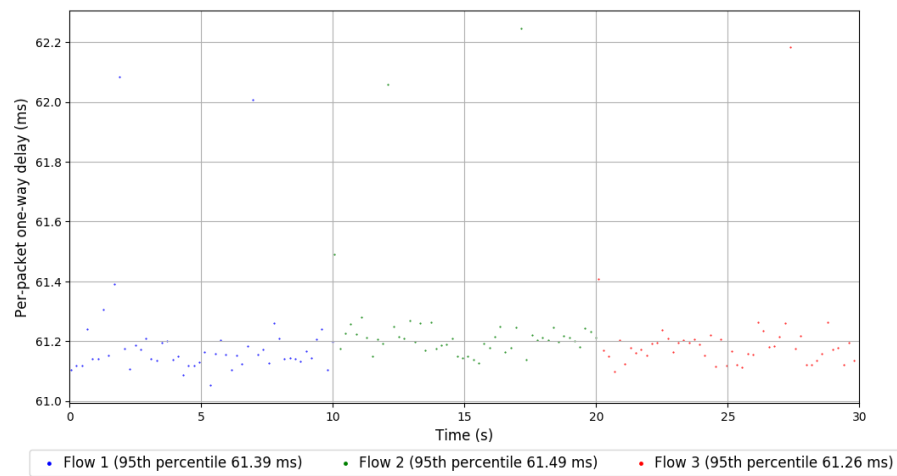
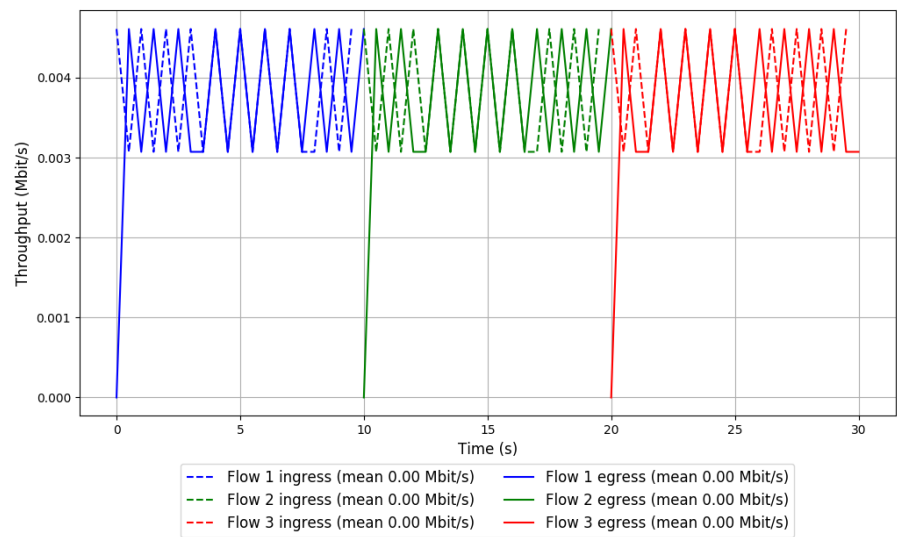
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.264 ms

Loss rate: 2.00%

Run 6: Report of FillP-Sheep — Data Link

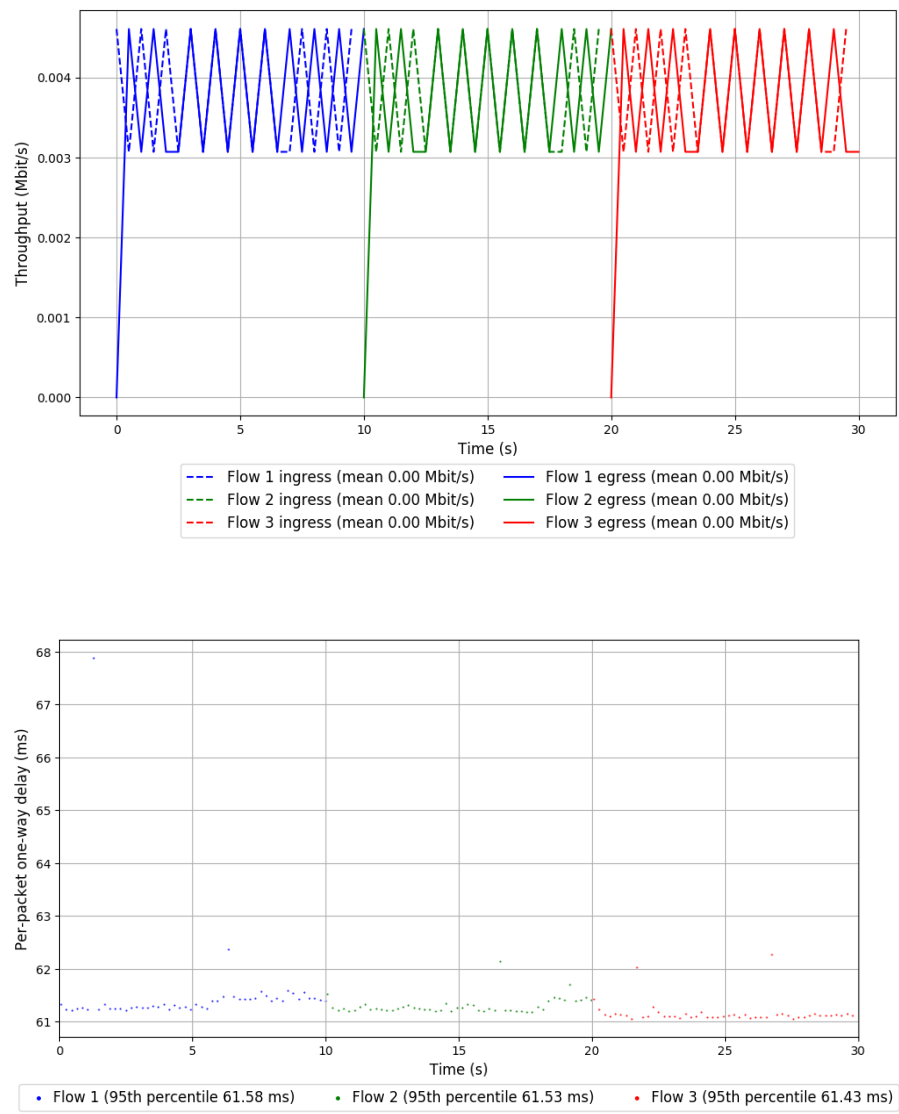


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-01 06:44:09
End at: 2018-07-01 06:44:39
Local clock offset: 0.024 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-01 10:02:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.577 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.582 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.531 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.427 ms
Loss rate: 2.00%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-01 07:08:57

End at: 2018-07-01 07:09:27

Local clock offset: -0.115 ms

Remote clock offset: 0.122 ms

Below is generated by plot.py at 2018-07-01 10:02:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.105 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.191 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.051 ms

Loss rate: 0.00%

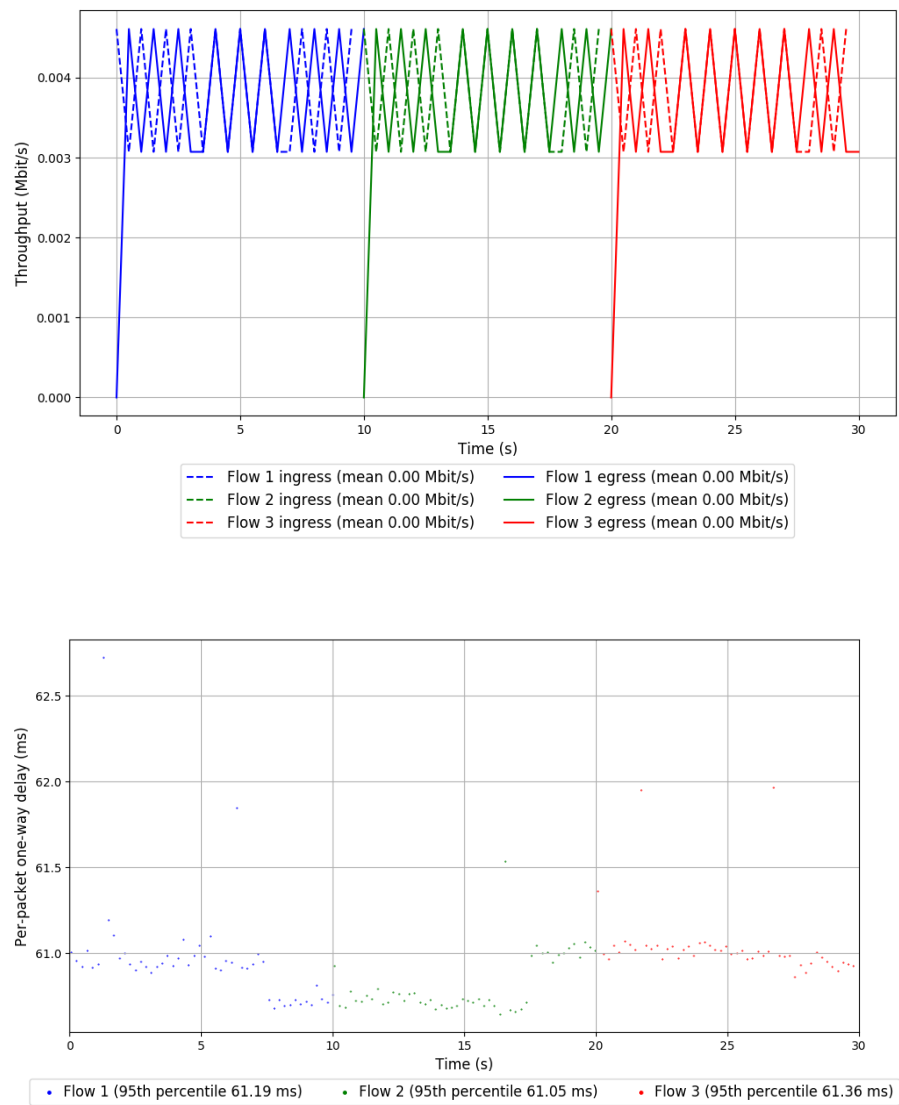
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.358 ms

Loss rate: 2.00%

Run 8: Report of FillP-Sheep — Data Link

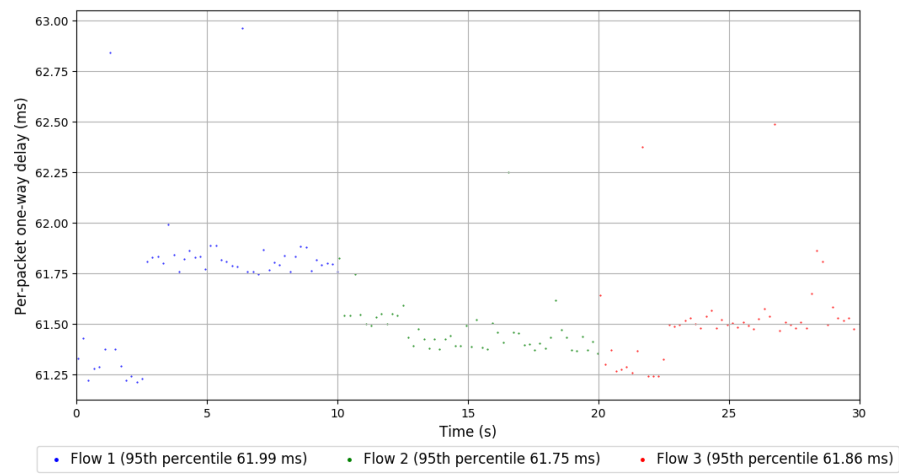
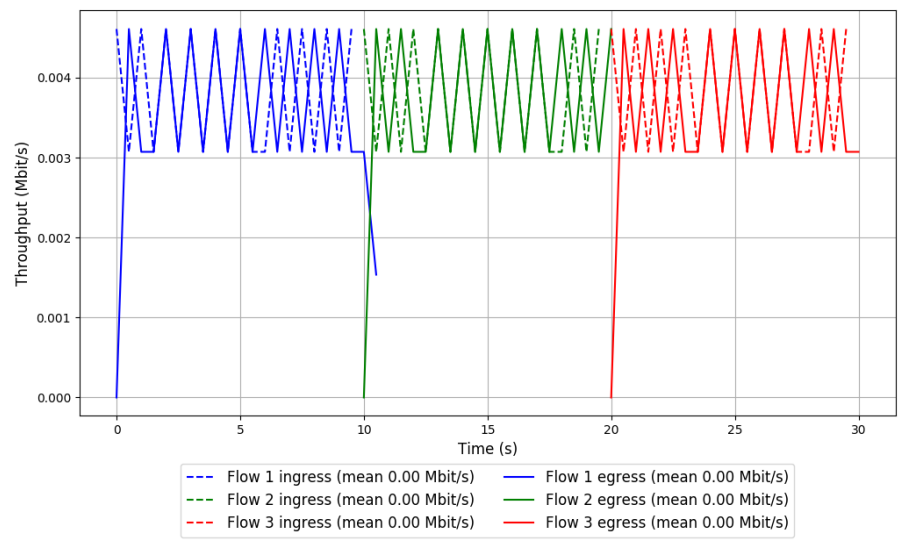


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-01 07:34:02
End at: 2018-07-01 07:34:32
Local clock offset: -0.114 ms
Remote clock offset: -0.456 ms

Below is generated by plot.py at 2018-07-01 10:02:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.886 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.993 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.746 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.862 ms
Loss rate: 2.00%

Run 9: Report of FillP-Sheep — Data Link

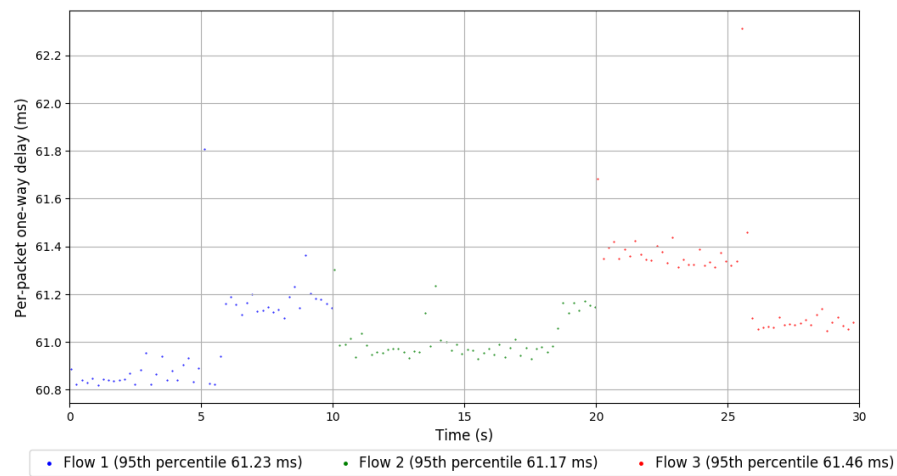
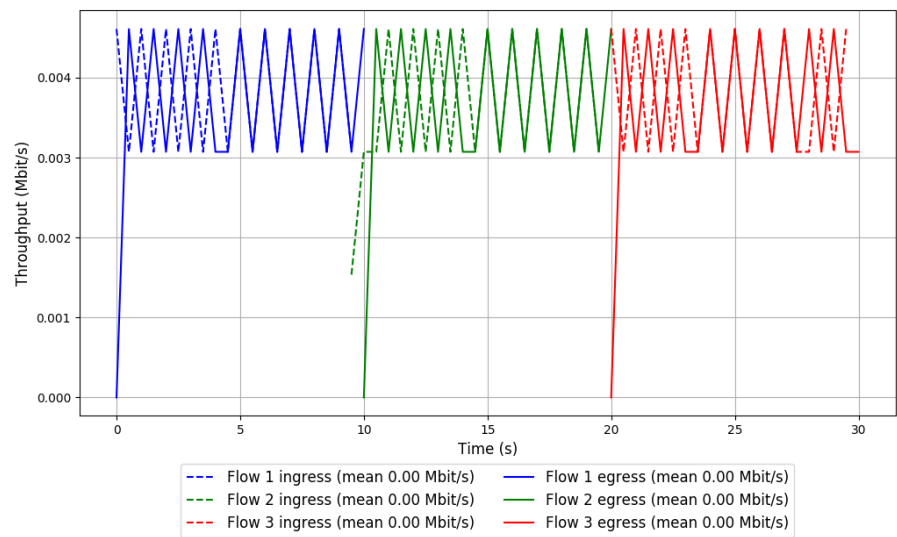


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-01 07:59:09
End at: 2018-07-01 07:59:39
Local clock offset: -0.096 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-01 10:02:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.401 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.232 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.172 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.460 ms
Loss rate: 2.00%

Run 10: Report of FillP-Sheep — Data Link

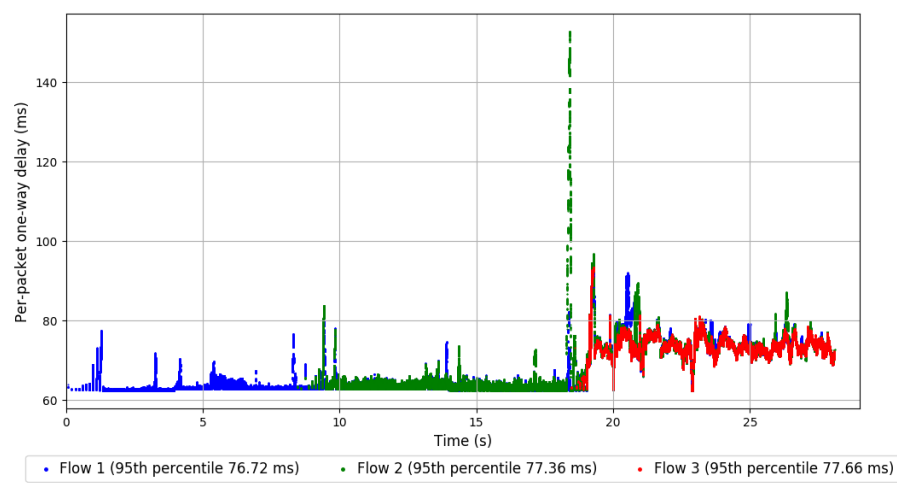
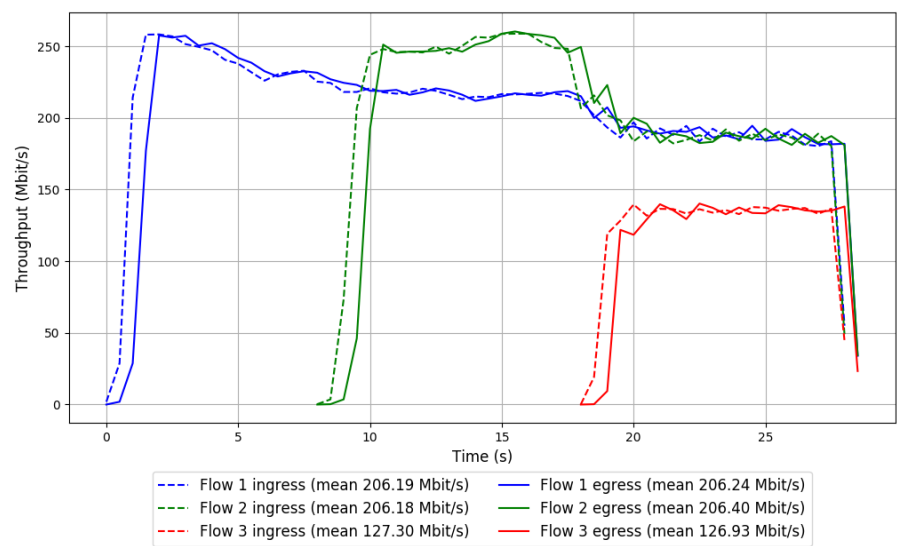


```
Run 1: Statistics of Indigo

Start at: 2018-07-01 04:06:32
End at: 2018-07-01 04:07:02
Local clock offset: -0.091 ms
Remote clock offset: -1.48 ms

# Below is generated by plot.py at 2018-07-01 10:02:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 394.38 Mbit/s
95th percentile per-packet one-way delay: 77.100 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 206.24 Mbit/s
95th percentile per-packet one-way delay: 76.719 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 206.40 Mbit/s
95th percentile per-packet one-way delay: 77.363 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 126.93 Mbit/s
95th percentile per-packet one-way delay: 77.661 ms
Loss rate: 1.57%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-01 04:31:24

End at: 2018-07-01 04:31:54

Local clock offset: -0.138 ms

Remote clock offset: 0.22 ms

Below is generated by plot.py at 2018-07-01 10:02:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 372.55 Mbit/s

95th percentile per-packet one-way delay: 71.951 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 210.44 Mbit/s

95th percentile per-packet one-way delay: 70.464 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 169.99 Mbit/s

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

Loss rate: 0.66%

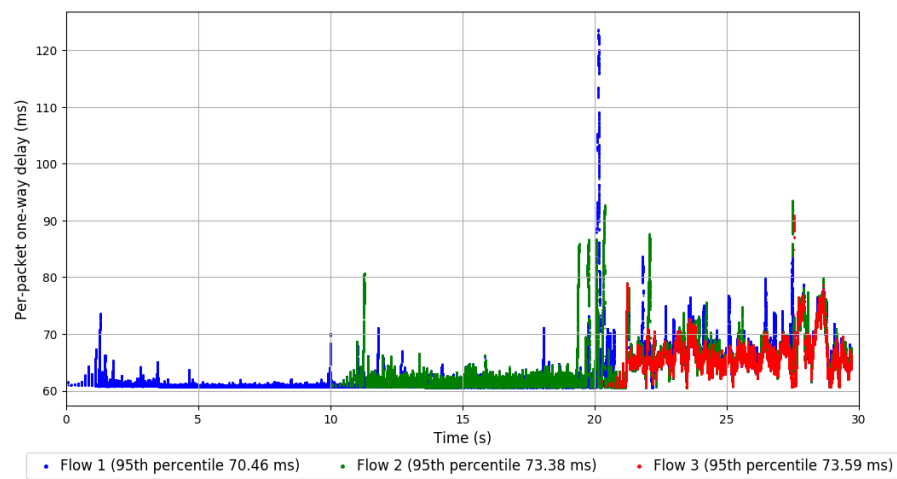
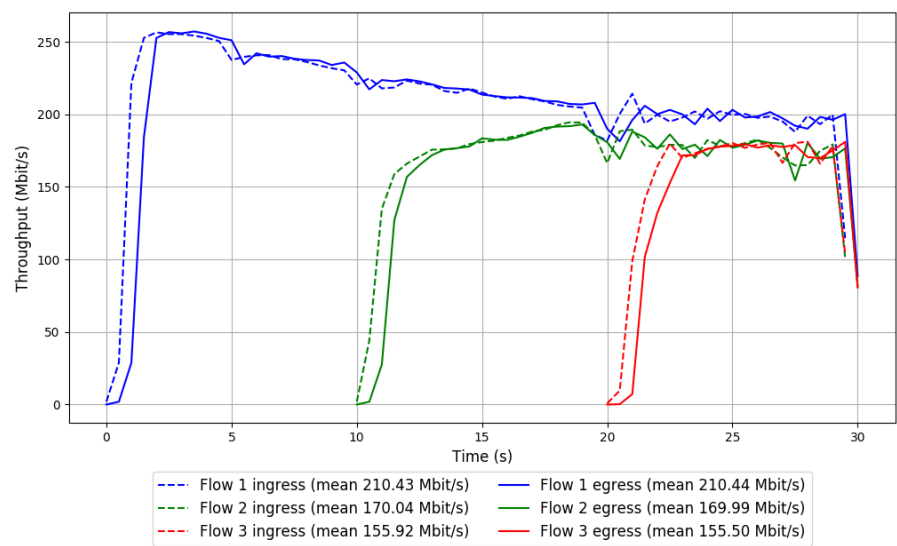
-- Flow 3:

Average throughput: 155.50 Mbit/s

95th percentile per-packet one-way delay: 73.594 ms

Loss rate: 1.54%

Run 2: Report of Indigo — Data Link

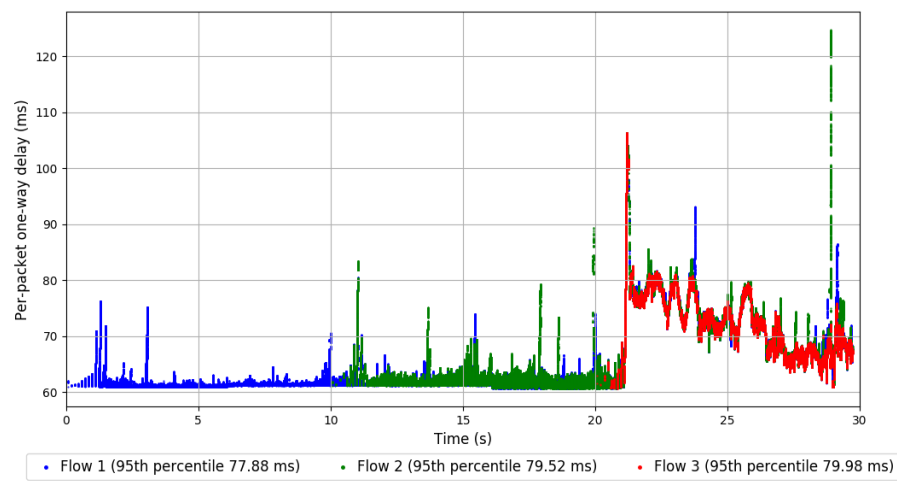
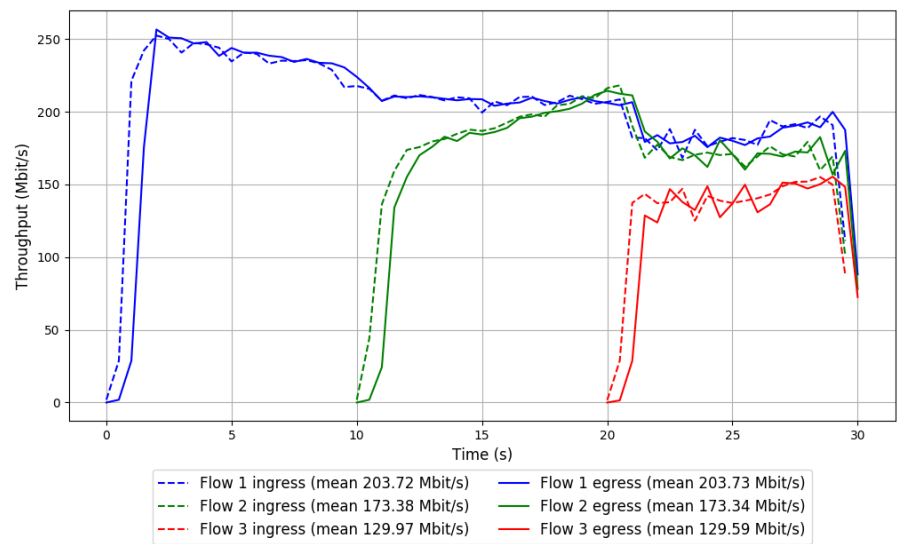


Run 3: Statistics of Indigo

Start at: 2018-07-01 04:55:51
End at: 2018-07-01 04:56:21
Local clock offset: 0.008 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-01 10:02:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 360.80 Mbit/s
95th percentile per-packet one-way delay: 79.030 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 203.73 Mbit/s
95th percentile per-packet one-way delay: 77.884 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 173.34 Mbit/s
95th percentile per-packet one-way delay: 79.521 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 129.59 Mbit/s
95th percentile per-packet one-way delay: 79.980 ms
Loss rate: 1.54%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-01 05:20:27

End at: 2018-07-01 05:20:57

Local clock offset: -0.026 ms

Remote clock offset: 1.293 ms

Below is generated by plot.py at 2018-07-01 10:02:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 367.98 Mbit/s

95th percentile per-packet one-way delay: 80.604 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 210.10 Mbit/s

95th percentile per-packet one-way delay: 78.325 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 186.16 Mbit/s

95th percentile per-packet one-way delay: 81.646 ms

Loss rate: 0.70%

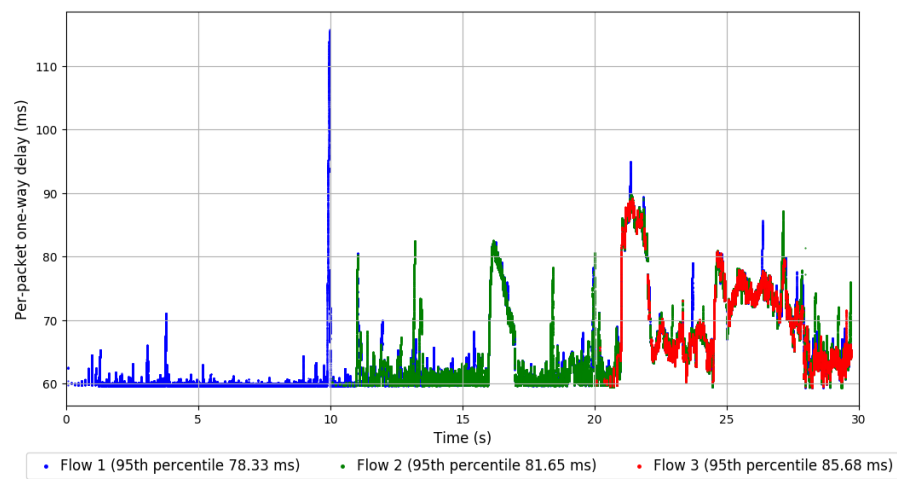
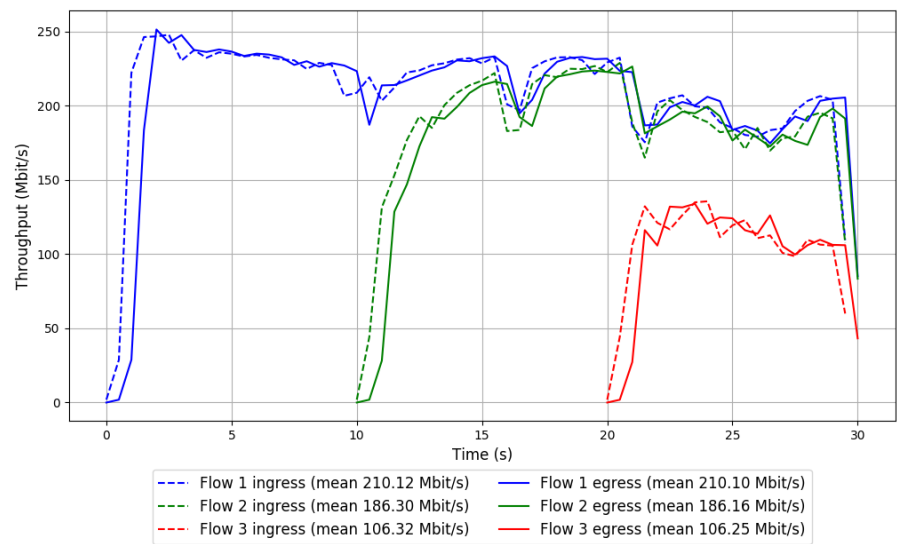
-- Flow 3:

Average throughput: 106.25 Mbit/s

95th percentile per-packet one-way delay: 85.680 ms

Loss rate: 1.32%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-01 05:45:01

End at: 2018-07-01 05:45:31

Local clock offset: -0.053 ms

Remote clock offset: 1.318 ms

Below is generated by plot.py at 2018-07-01 10:02:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 356.47 Mbit/s

95th percentile per-packet one-way delay: 82.336 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 205.72 Mbit/s

95th percentile per-packet one-way delay: 78.094 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 183.82 Mbit/s

95th percentile per-packet one-way delay: 83.767 ms

Loss rate: 0.70%

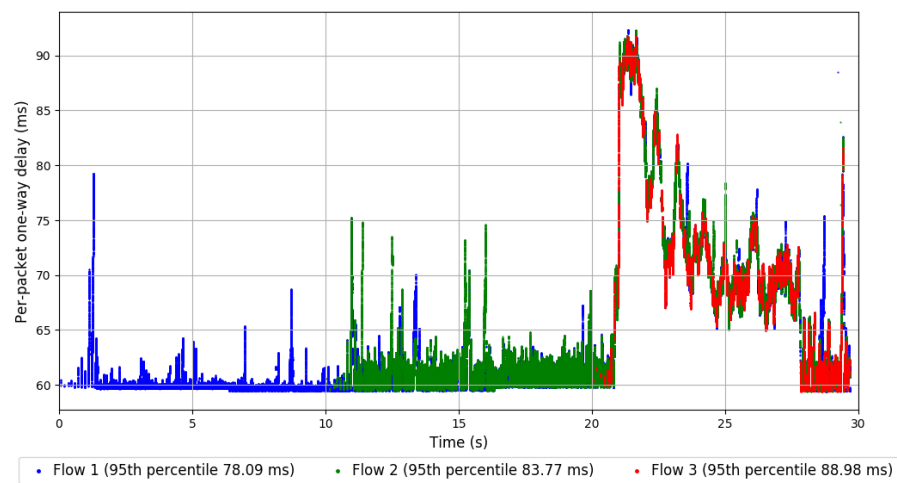
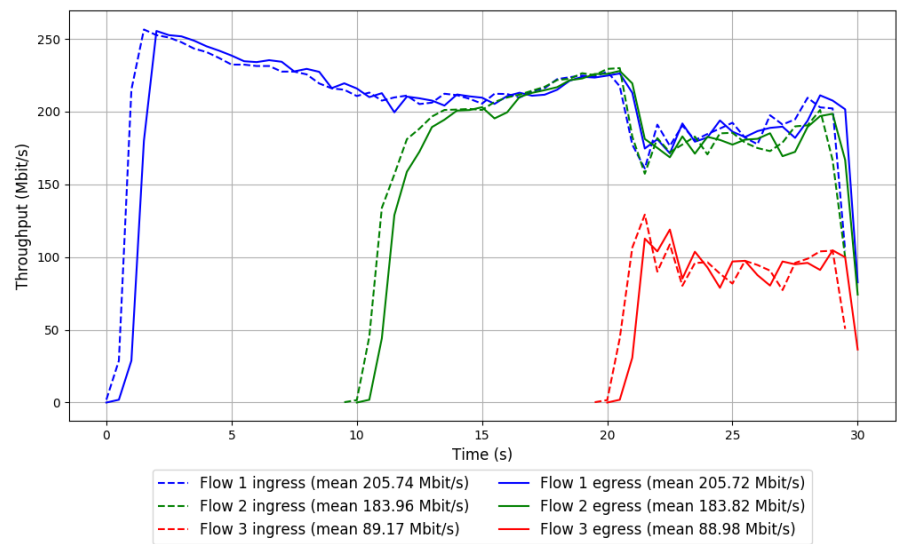
-- Flow 3:

Average throughput: 88.98 Mbit/s

95th percentile per-packet one-way delay: 88.982 ms

Loss rate: 1.49%

Run 5: Report of Indigo — Data Link

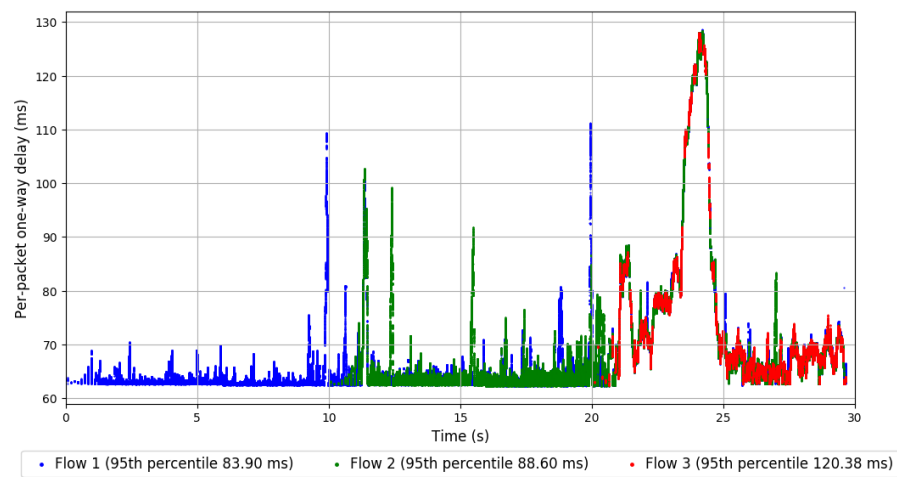
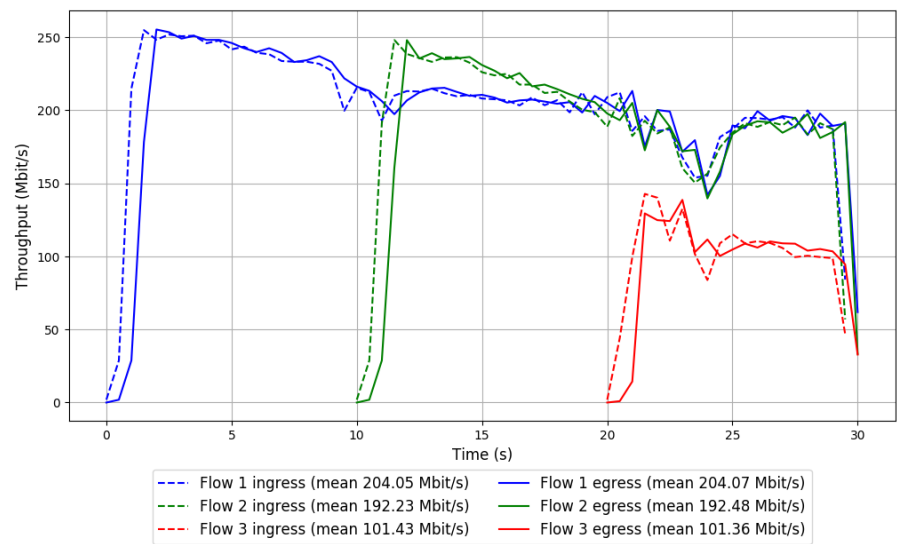


Run 6: Statistics of Indigo

Start at: 2018-07-01 06:09:41
End at: 2018-07-01 06:10:11
Local clock offset: -0.089 ms
Remote clock offset: -1.417 ms

Below is generated by plot.py at 2018-07-01 10:02:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 363.85 Mbit/s
95th percentile per-packet one-way delay: 86.524 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 204.07 Mbit/s
95th percentile per-packet one-way delay: 83.897 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 192.48 Mbit/s
95th percentile per-packet one-way delay: 88.598 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 101.36 Mbit/s
95th percentile per-packet one-way delay: 120.384 ms
Loss rate: 1.35%

Run 6: Report of Indigo — Data Link

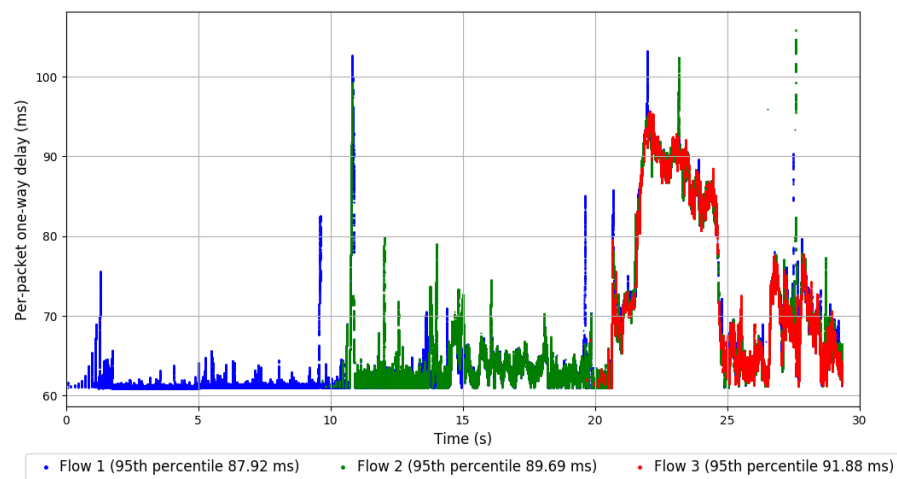
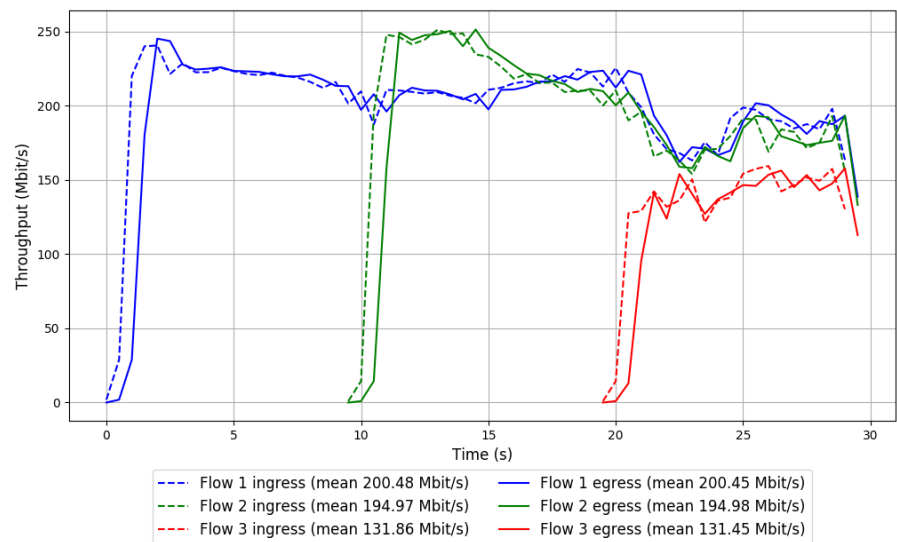


Run 7: Statistics of Indigo

Start at: 2018-07-01 06:35:02
End at: 2018-07-01 06:35:32
Local clock offset: -0.01 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-01 10:02:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.63 Mbit/s
95th percentile per-packet one-way delay: 89.604 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 200.45 Mbit/s
95th percentile per-packet one-way delay: 87.919 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 194.98 Mbit/s
95th percentile per-packet one-way delay: 89.694 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 131.45 Mbit/s
95th percentile per-packet one-way delay: 91.876 ms
Loss rate: 1.57%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-01 07:00:10

End at: 2018-07-01 07:00:40

Local clock offset: -0.087 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-01 10:02:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 373.01 Mbit/s

95th percentile per-packet one-way delay: 82.123 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 209.23 Mbit/s

95th percentile per-packet one-way delay: 78.601 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 202.27 Mbit/s

95th percentile per-packet one-way delay: 82.452 ms

Loss rate: 0.61%

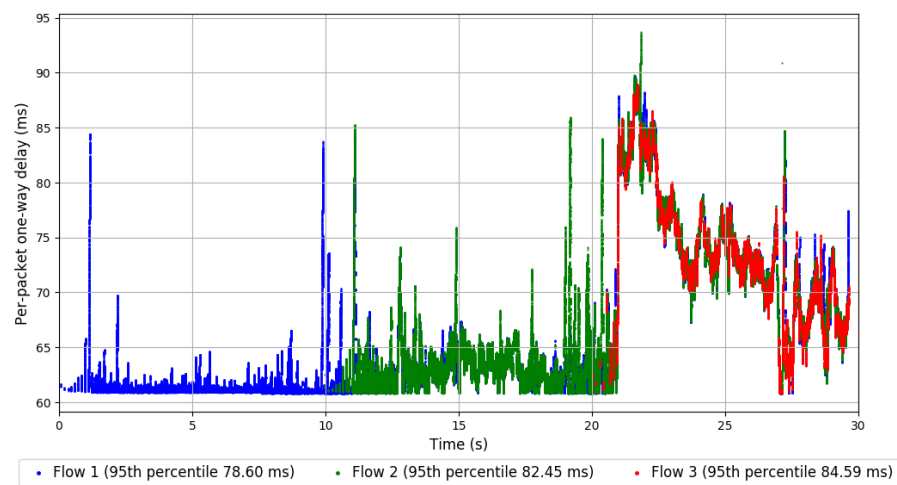
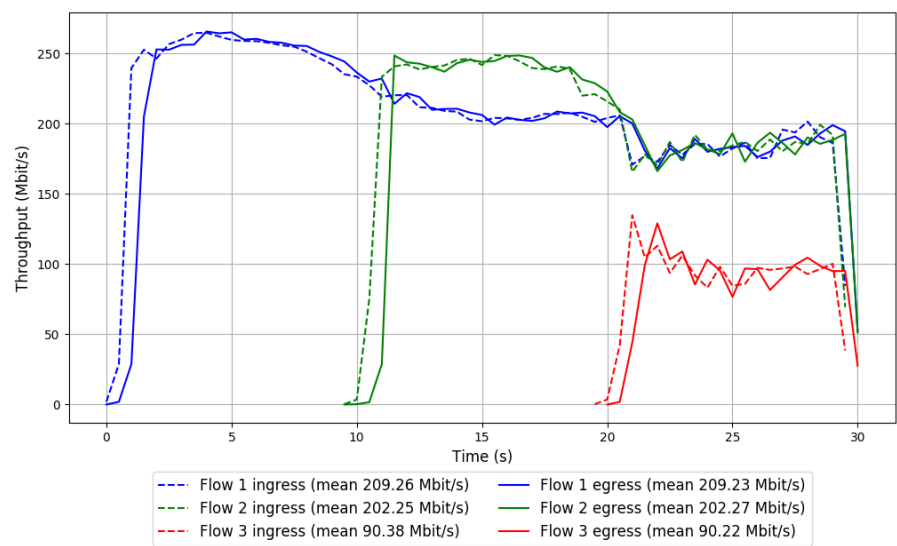
-- Flow 3:

Average throughput: 90.22 Mbit/s

95th percentile per-packet one-way delay: 84.593 ms

Loss rate: 1.44%

Run 8: Report of Indigo — Data Link

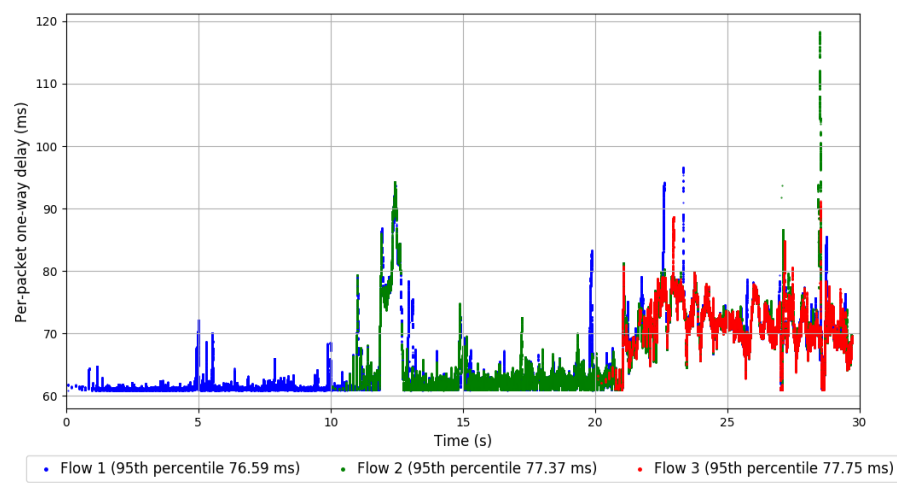
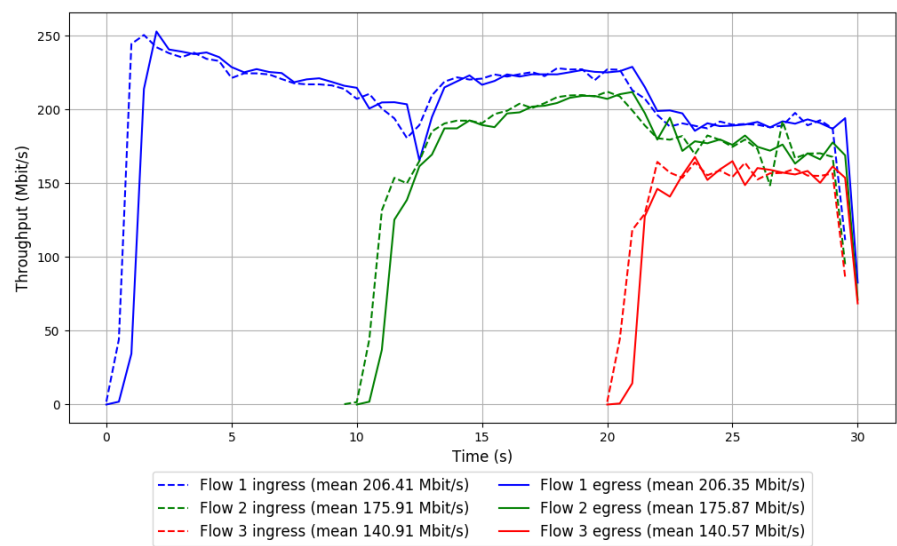


Run 9: Statistics of Indigo

Start at: 2018-07-01 07:25:07
End at: 2018-07-01 07:25:37
Local clock offset: -0.153 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-01 10:02:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 368.49 Mbit/s
95th percentile per-packet one-way delay: 77.110 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 206.35 Mbit/s
95th percentile per-packet one-way delay: 76.592 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 175.87 Mbit/s
95th percentile per-packet one-way delay: 77.367 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 140.57 Mbit/s
95th percentile per-packet one-way delay: 77.752 ms
Loss rate: 1.50%

Run 9: Report of Indigo — Data Link

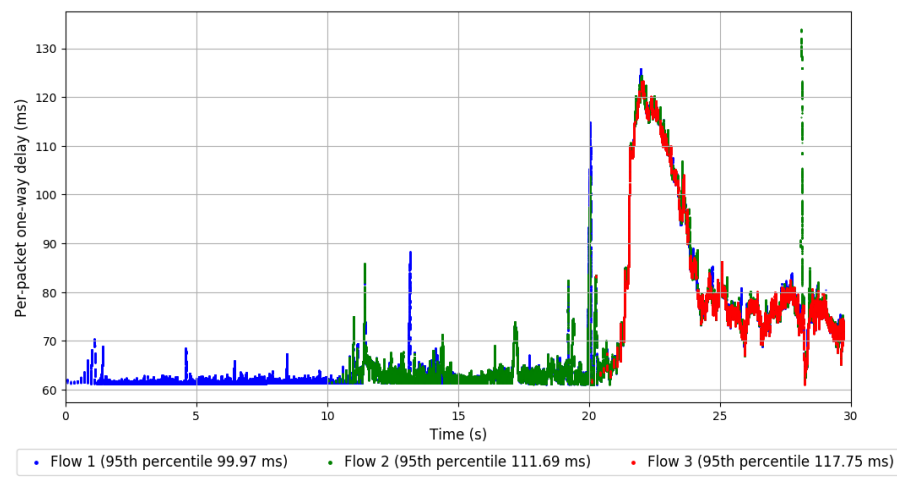
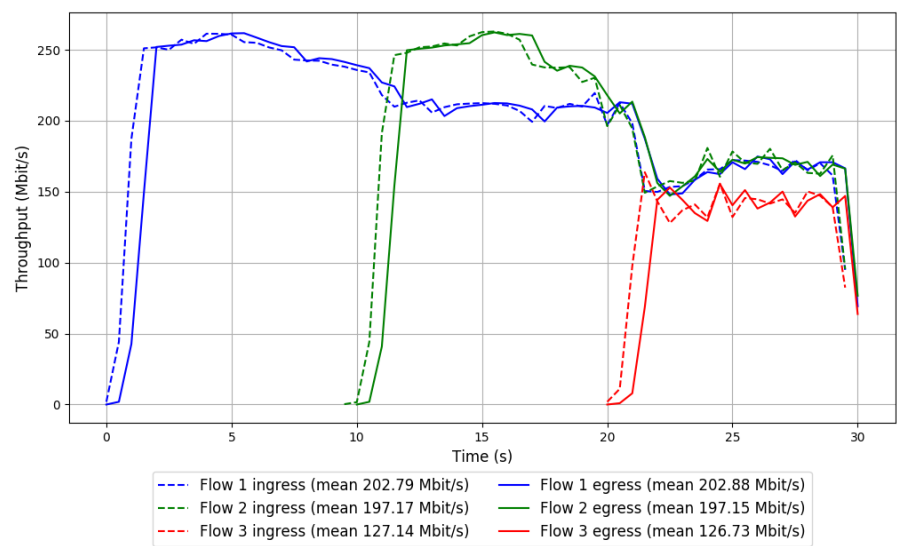


Run 10: Statistics of Indigo

Start at: 2018-07-01 07:50:00
End at: 2018-07-01 07:50:30
Local clock offset: -0.107 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2018-07-01 10:02:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.65 Mbit/s
95th percentile per-packet one-way delay: 110.752 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 202.88 Mbit/s
95th percentile per-packet one-way delay: 99.968 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 197.15 Mbit/s
95th percentile per-packet one-way delay: 111.695 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 126.73 Mbit/s
95th percentile per-packet one-way delay: 117.748 ms
Loss rate: 1.56%

Run 10: Report of Indigo — Data Link

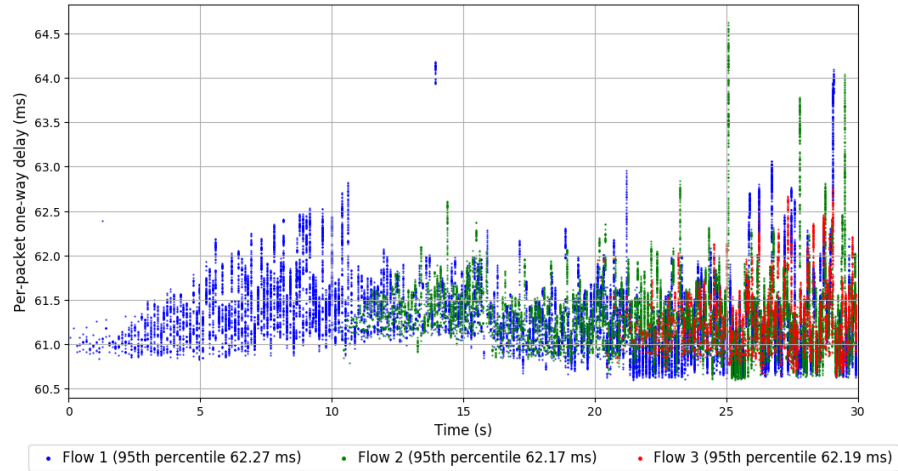
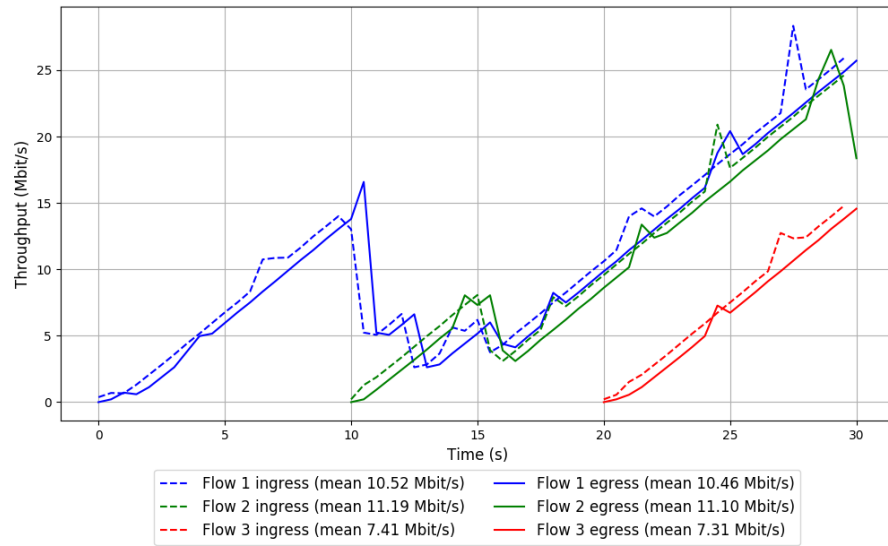


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-01 04:05:22
End at: 2018-07-01 04:05:52
Local clock offset: -0.13 ms
Remote clock offset: 0.024 ms

# Below is generated by plot.py at 2018-07-01 10:02:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.22 Mbit/s
95th percentile per-packet one-way delay: 62.224 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 10.46 Mbit/s
95th percentile per-packet one-way delay: 62.266 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 11.10 Mbit/s
95th percentile per-packet one-way delay: 62.175 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 62.190 ms
Loss rate: 2.57%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-01 04:30:13

End at: 2018-07-01 04:30:43

Local clock offset: -0.06 ms

Remote clock offset: 1.489 ms

Below is generated by plot.py at 2018-07-01 10:02:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 23.93 Mbit/s

95th percentile per-packet one-way delay: 61.280 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 12.18 Mbit/s

95th percentile per-packet one-way delay: 61.289 ms

Loss rate: 1.01%

-- Flow 2:

Average throughput: 15.93 Mbit/s

95th percentile per-packet one-way delay: 61.249 ms

Loss rate: 1.23%

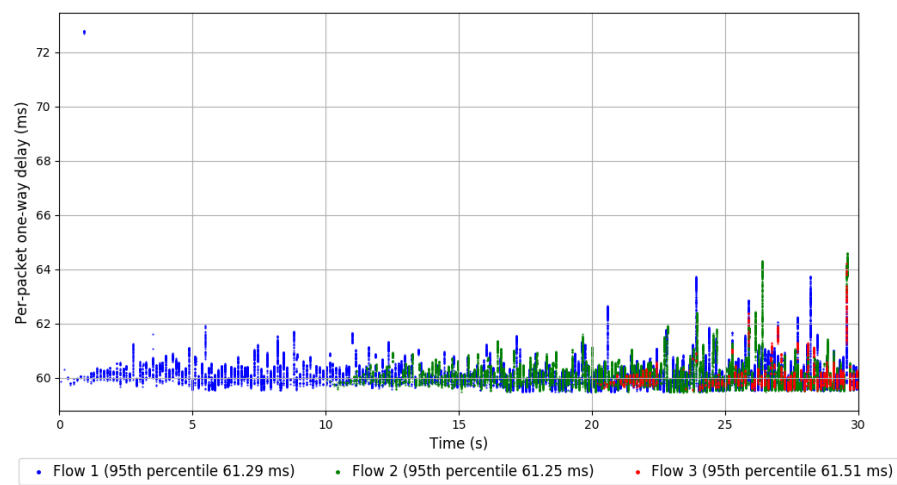
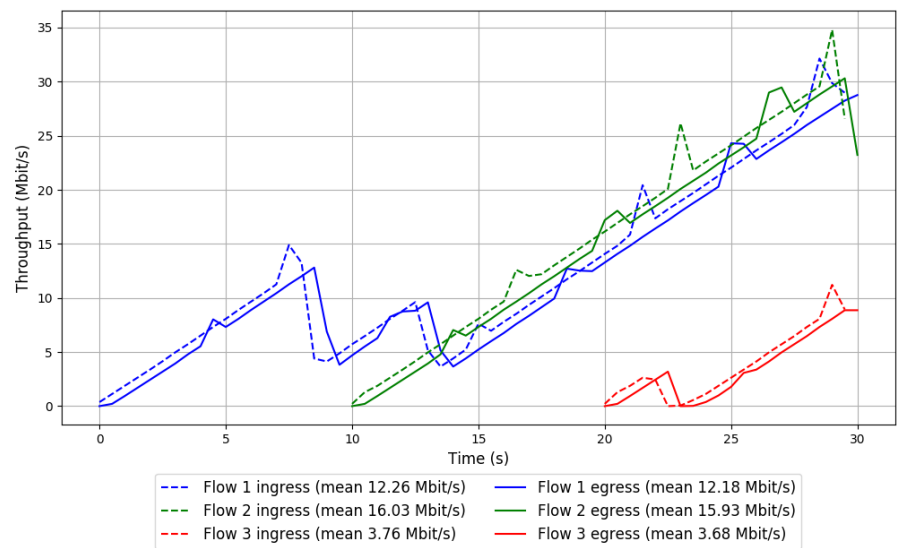
-- Flow 3:

Average throughput: 3.68 Mbit/s

95th percentile per-packet one-way delay: 61.512 ms

Loss rate: 3.22%

Run 2: Report of LEDBAT — Data Link

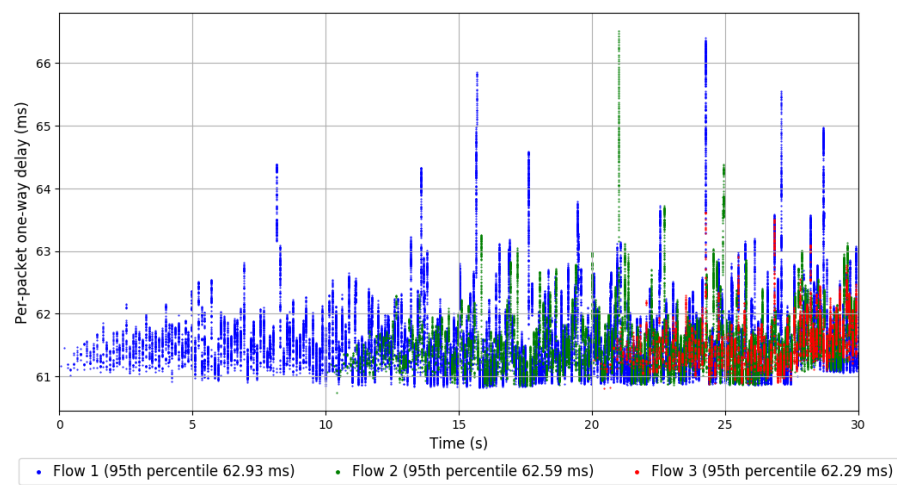
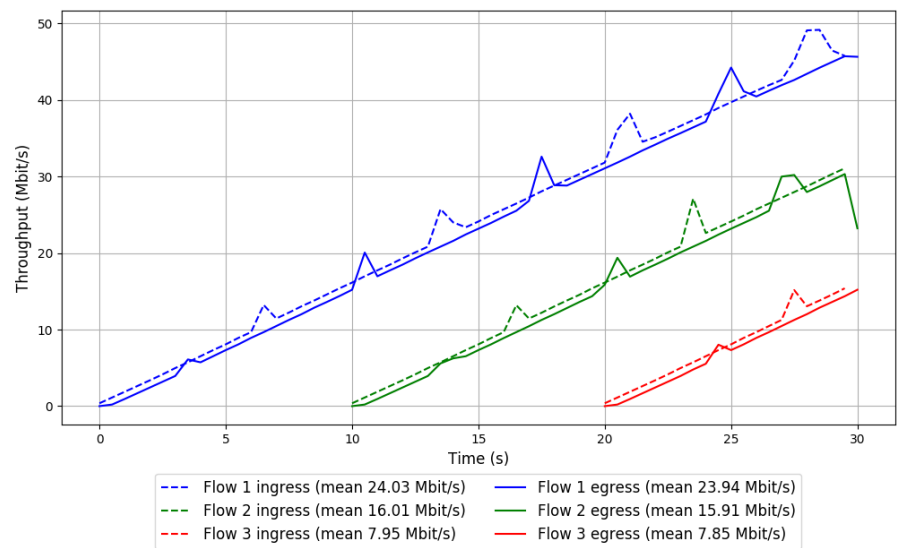


Run 3: Statistics of LEDBAT

Start at: 2018-07-01 04:54:40
End at: 2018-07-01 04:55:10
Local clock offset: 0.031 ms
Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-07-01 10:02:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.05 Mbit/s
95th percentile per-packet one-way delay: 62.753 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 62.932 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 62.592 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 62.291 ms
Loss rate: 2.47%

Run 3: Report of LEDBAT — Data Link

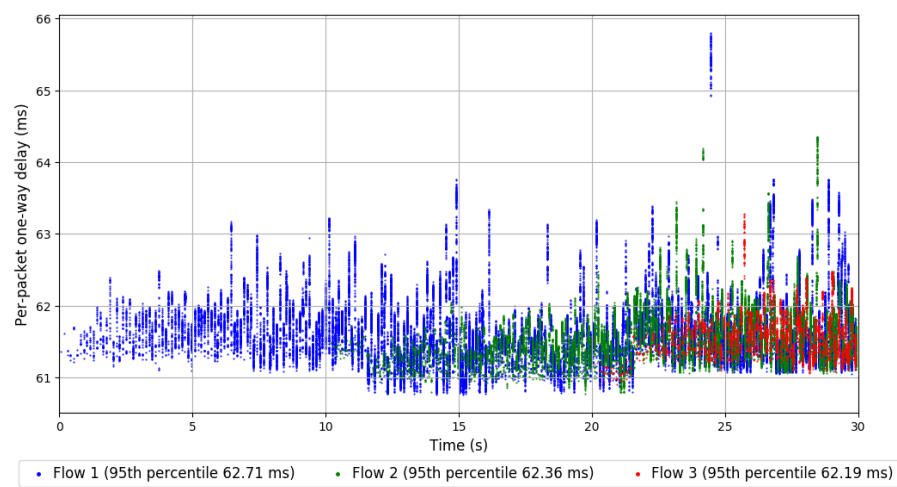
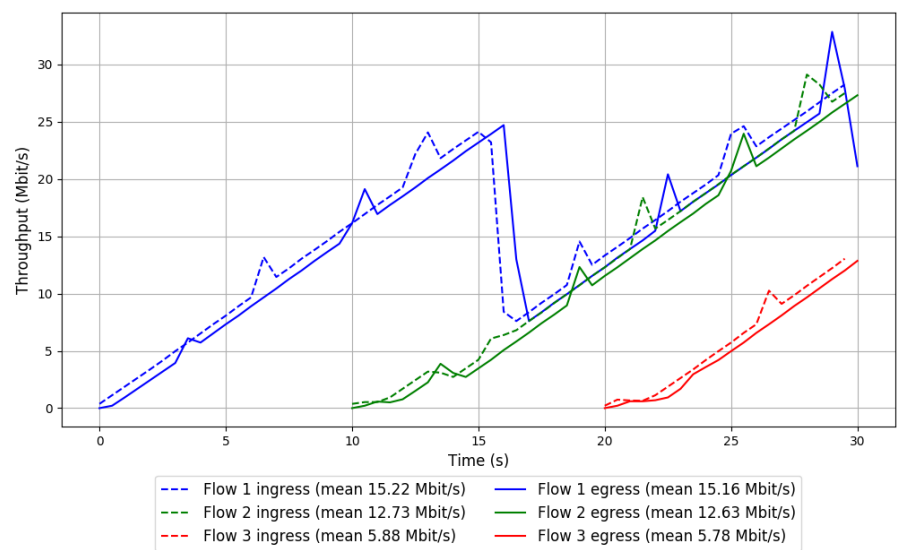


Run 4: Statistics of LEDBAT

Start at: 2018-07-01 05:19:16
End at: 2018-07-01 05:19:46
Local clock offset: -0.004 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-01 10:02:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.43 Mbit/s
95th percentile per-packet one-way delay: 62.579 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 15.16 Mbit/s
95th percentile per-packet one-way delay: 62.708 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 12.63 Mbit/s
95th percentile per-packet one-way delay: 62.363 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 5.78 Mbit/s
95th percentile per-packet one-way delay: 62.191 ms
Loss rate: 2.86%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-01 05:43:50

End at: 2018-07-01 05:44:20

Local clock offset: -0.064 ms

Remote clock offset: 1.365 ms

Below is generated by plot.py at 2018-07-01 10:02:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 30.69 Mbit/s

95th percentile per-packet one-way delay: 61.438 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 17.88 Mbit/s

95th percentile per-packet one-way delay: 61.563 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 15.94 Mbit/s

95th percentile per-packet one-way delay: 61.215 ms

Loss rate: 1.23%

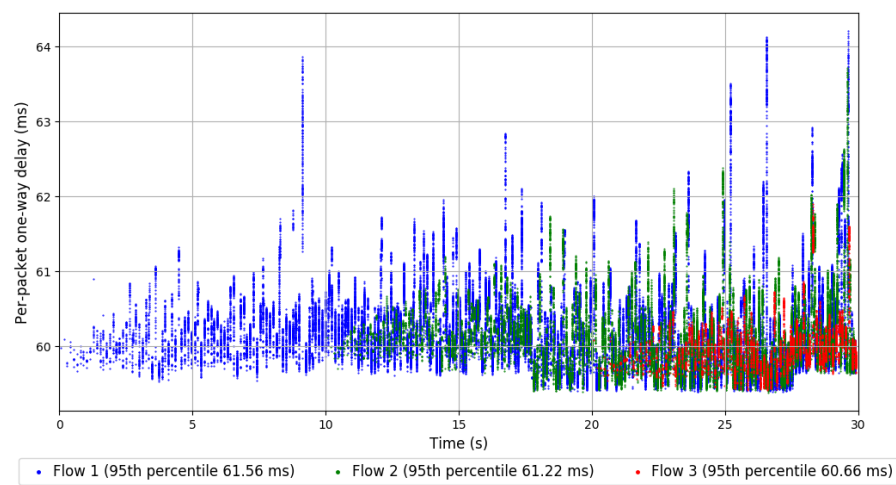
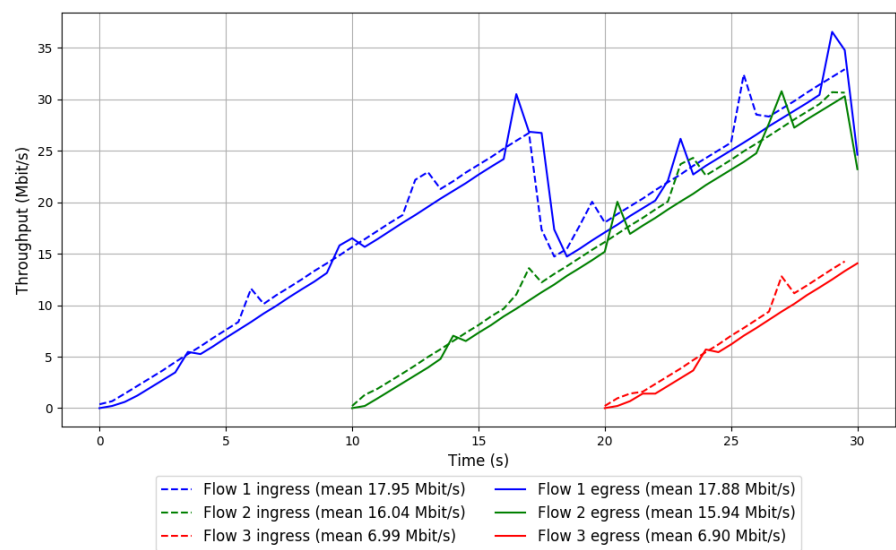
-- Flow 3:

Average throughput: 6.90 Mbit/s

95th percentile per-packet one-way delay: 60.657 ms

Loss rate: 2.62%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-01 06:08:30

End at: 2018-07-01 06:09:00

Local clock offset: -0.085 ms

Remote clock offset: 1.435 ms

Below is generated by plot.py at 2018-07-01 10:02:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.11 Mbit/s

95th percentile per-packet one-way delay: 61.640 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 23.97 Mbit/s

95th percentile per-packet one-way delay: 61.738 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 15.90 Mbit/s

95th percentile per-packet one-way delay: 61.480 ms

Loss rate: 1.23%

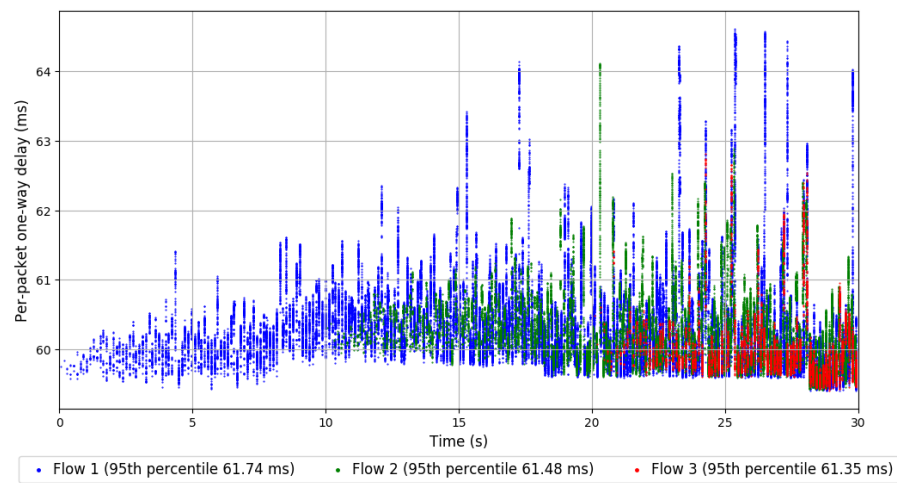
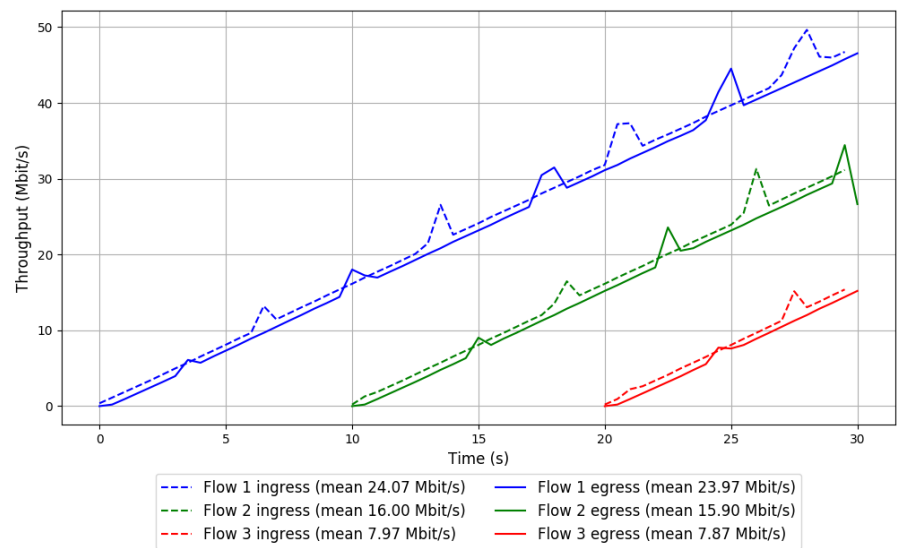
-- Flow 3:

Average throughput: 7.87 Mbit/s

95th percentile per-packet one-way delay: 61.354 ms

Loss rate: 2.47%

Run 6: Report of LEDBAT — Data Link

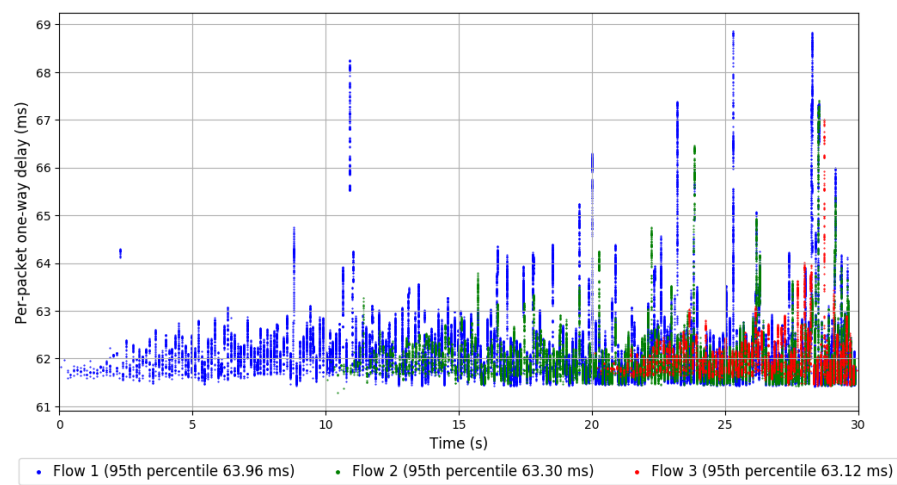
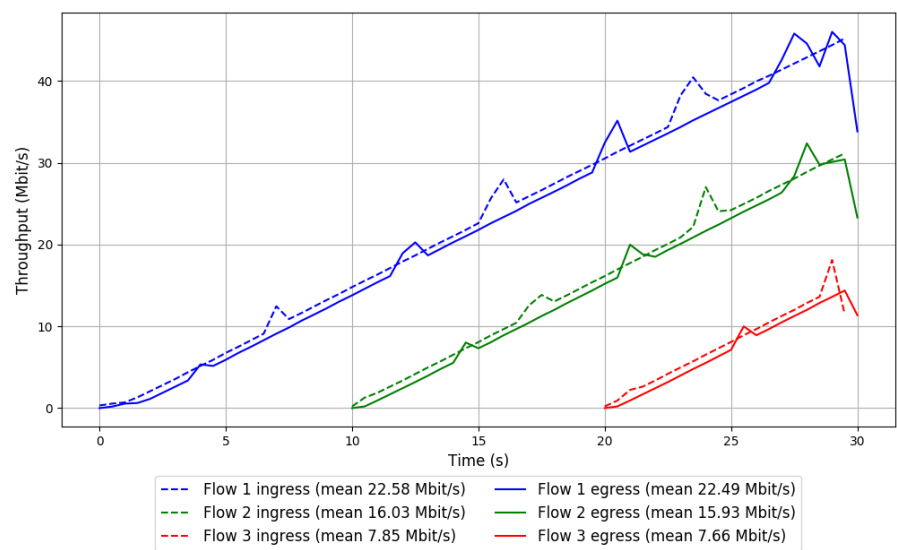


Run 7: Statistics of LEDBAT

Start at: 2018-07-01 06:33:50
End at: 2018-07-01 06:34:20
Local clock offset: -0.005 ms
Remote clock offset: -0.399 ms

```
# Below is generated by plot.py at 2018-07-01 10:02:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 35.52 Mbit/s
95th percentile per-packet one-way delay: 63.742 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 22.49 Mbit/s
95th percentile per-packet one-way delay: 63.959 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 15.93 Mbit/s
95th percentile per-packet one-way delay: 63.295 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 7.66 Mbit/s
95th percentile per-packet one-way delay: 63.124 ms
Loss rate: 2.49%
```

Run 7: Report of LEDBAT — Data Link

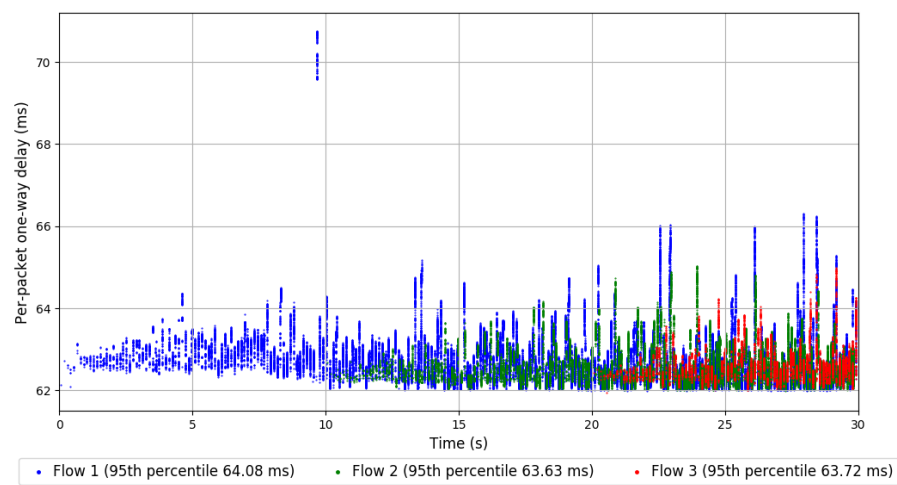
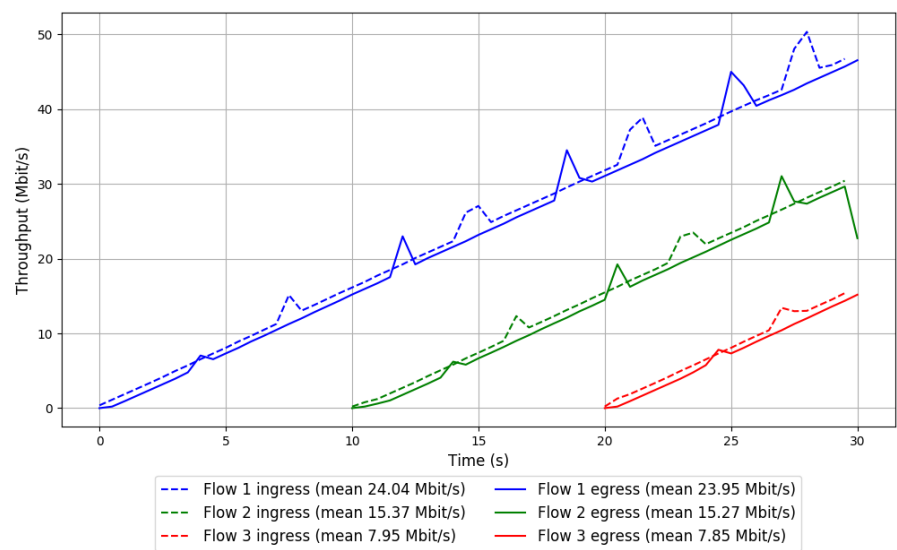


Run 8: Statistics of LEDBAT

Start at: 2018-07-01 06:58:58
End at: 2018-07-01 06:59:28
Local clock offset: -0.085 ms
Remote clock offset: -1.135 ms

Below is generated by plot.py at 2018-07-01 10:02:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.63 Mbit/s
95th percentile per-packet one-way delay: 63.919 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 64.075 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 15.27 Mbit/s
95th percentile per-packet one-way delay: 63.626 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 63.719 ms
Loss rate: 2.48%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-01 07:23:56

End at: 2018-07-01 07:24:26

Local clock offset: -0.133 ms

Remote clock offset: 1.139 ms

Below is generated by plot.py at 2018-07-01 10:02:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.55 Mbit/s

95th percentile per-packet one-way delay: 61.805 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 22.44 Mbit/s

95th percentile per-packet one-way delay: 61.989 ms

Loss rate: 0.84%

-- Flow 2:

Average throughput: 15.94 Mbit/s

95th percentile per-packet one-way delay: 61.309 ms

Loss rate: 1.23%

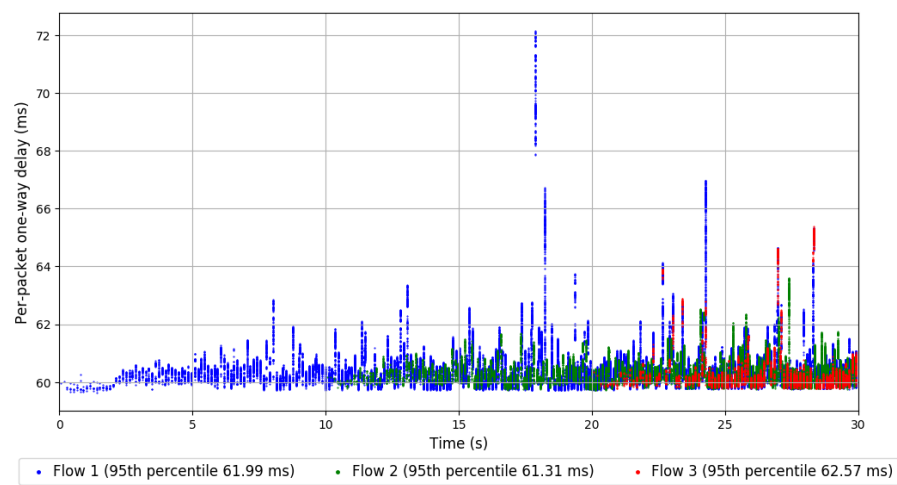
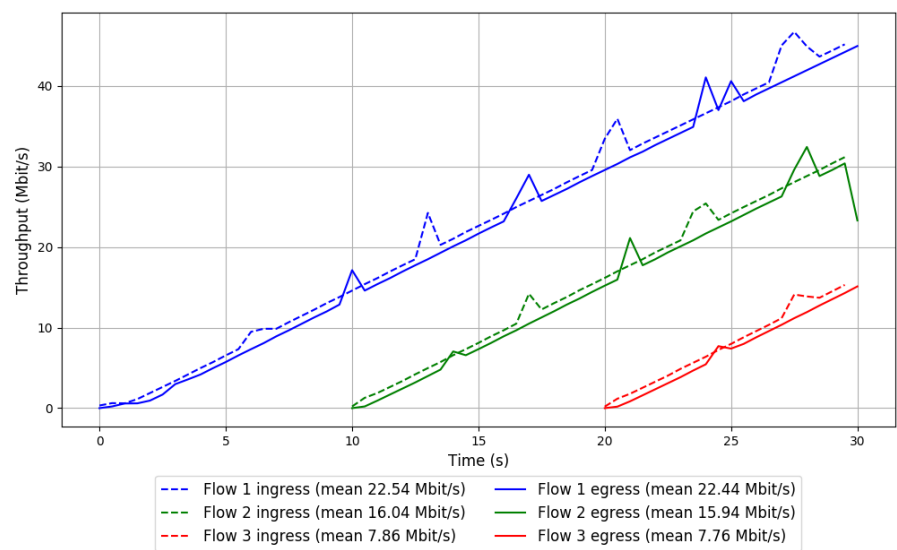
-- Flow 3:

Average throughput: 7.76 Mbit/s

95th percentile per-packet one-way delay: 62.573 ms

Loss rate: 2.49%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-01 07:48:50

End at: 2018-07-01 07:49:20

Local clock offset: -0.052 ms

Remote clock offset: -0.3 ms

Below is generated by plot.py at 2018-07-01 10:02:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.67 Mbit/s

95th percentile per-packet one-way delay: 62.809 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 11.14 Mbit/s

95th percentile per-packet one-way delay: 62.976 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 7.43 Mbit/s

95th percentile per-packet one-way delay: 62.511 ms

Loss rate: 0.45%

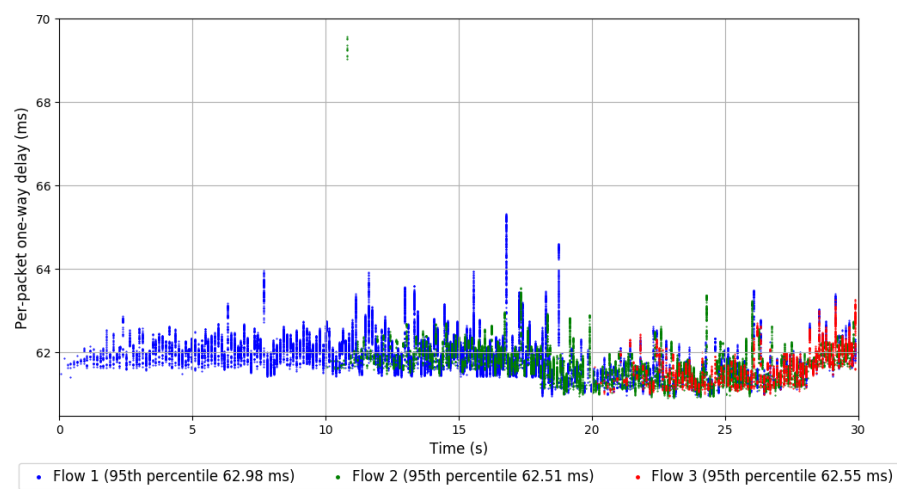
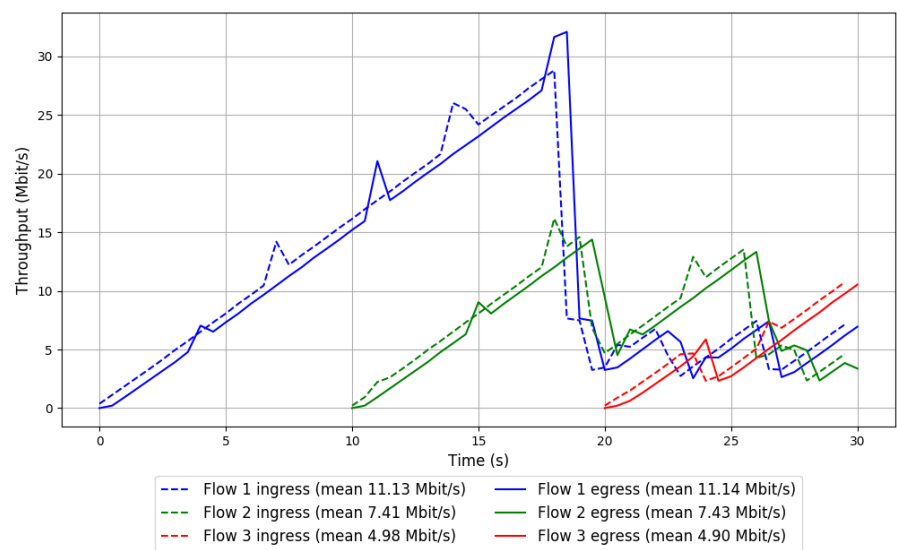
-- Flow 3:

Average throughput: 4.90 Mbit/s

95th percentile per-packet one-way delay: 62.546 ms

Loss rate: 2.82%

Run 10: Report of LEDBAT — Data Link

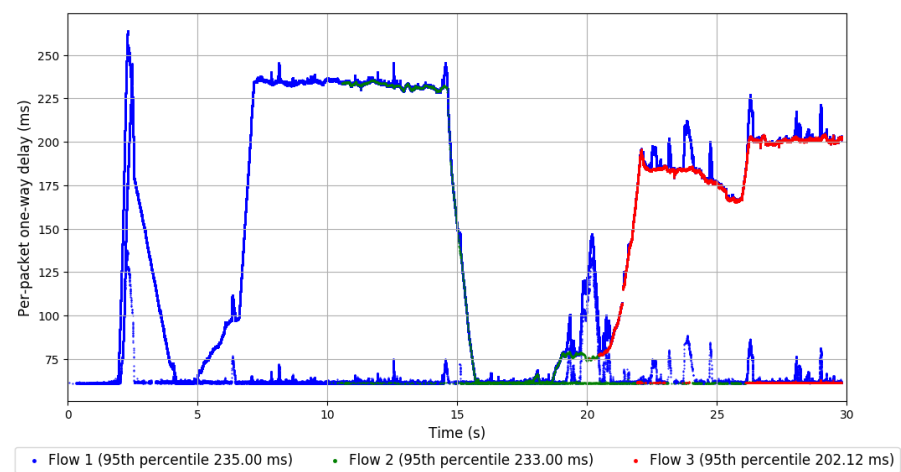
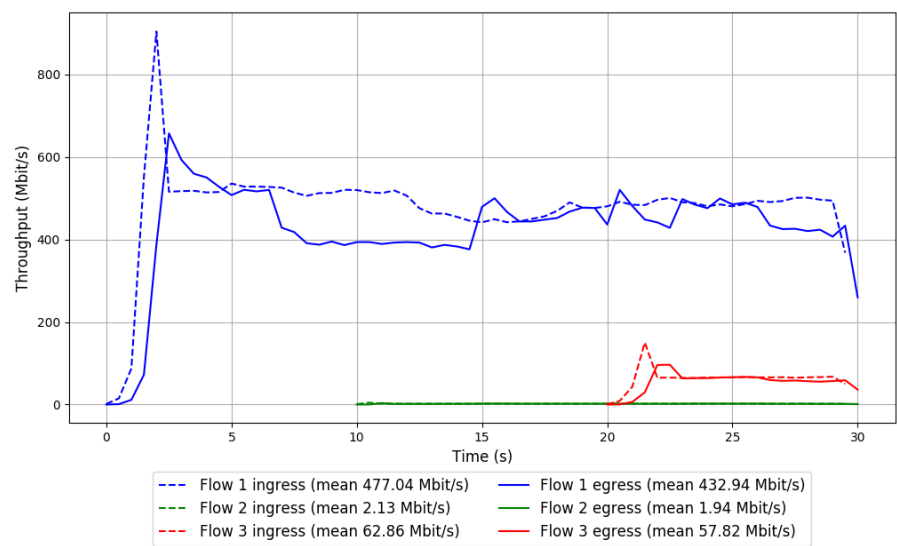


Run 1: Statistics of PCC-Allegro

Start at: 2018-07-01 04:16:41
End at: 2018-07-01 04:17:11
Local clock offset: -0.091 ms
Remote clock offset: -0.343 ms

Below is generated by plot.py at 2018-07-01 10:02:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 453.09 Mbit/s
95th percentile per-packet one-way delay: 234.944 ms
Loss rate: 9.60%
-- Flow 1:
Average throughput: 432.94 Mbit/s
95th percentile per-packet one-way delay: 234.999 ms
Loss rate: 9.62%
-- Flow 2:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 233.002 ms
Loss rate: 9.52%
-- Flow 3:
Average throughput: 57.82 Mbit/s
95th percentile per-packet one-way delay: 202.115 ms
Loss rate: 9.30%

Run 1: Report of PCC-Allegro — Data Link

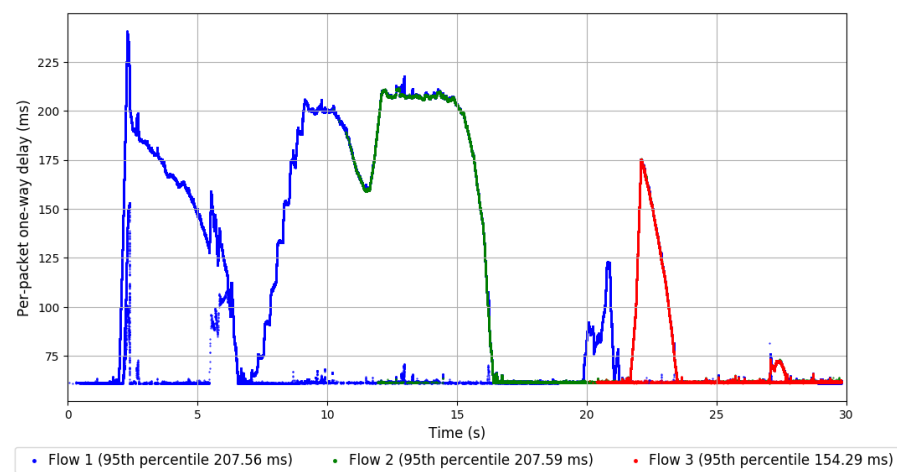
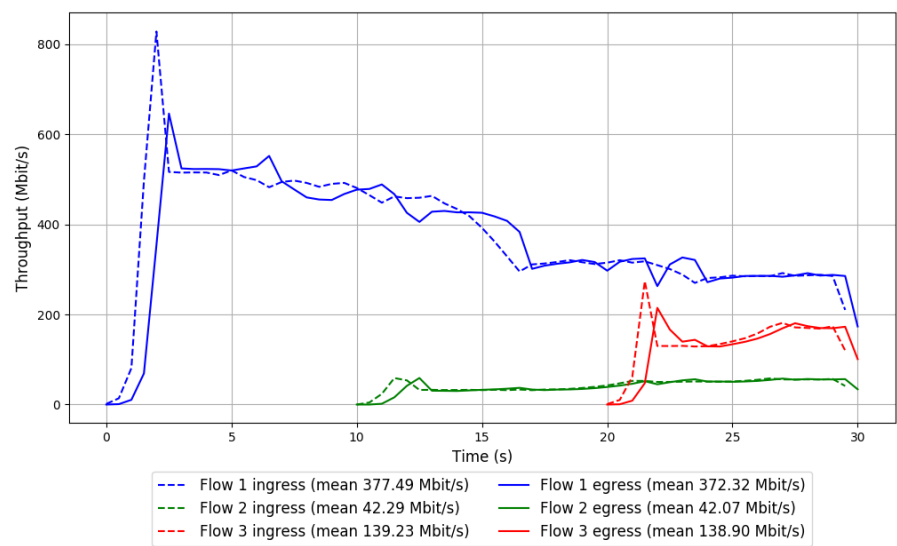


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-01 04:41:26
End at: 2018-07-01 04:41:56
Local clock offset: -0.057 ms
Remote clock offset: -0.284 ms

Below is generated by plot.py at 2018-07-01 10:02:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 445.28 Mbit/s
95th percentile per-packet one-way delay: 207.454 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 372.32 Mbit/s
95th percentile per-packet one-way delay: 207.564 ms
Loss rate: 1.78%
-- Flow 2:
Average throughput: 42.07 Mbit/s
95th percentile per-packet one-way delay: 207.595 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 138.90 Mbit/s
95th percentile per-packet one-way delay: 154.292 ms
Loss rate: 1.49%

Run 2: Report of PCC-Allegro — Data Link

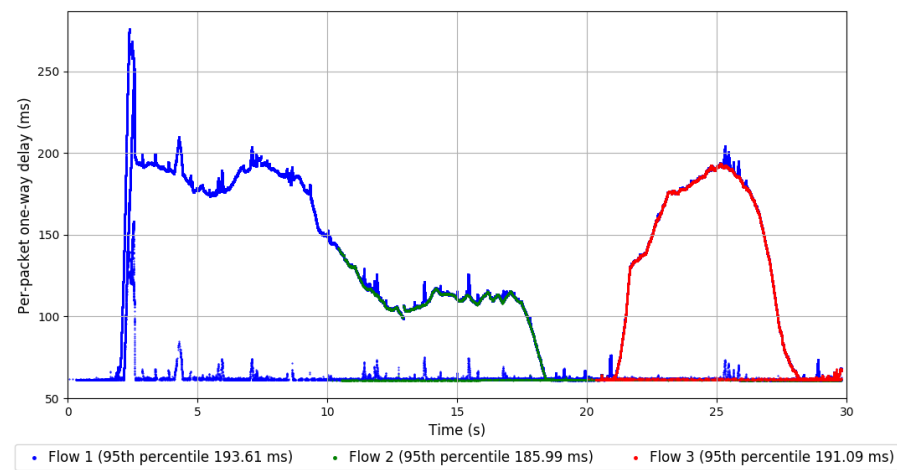
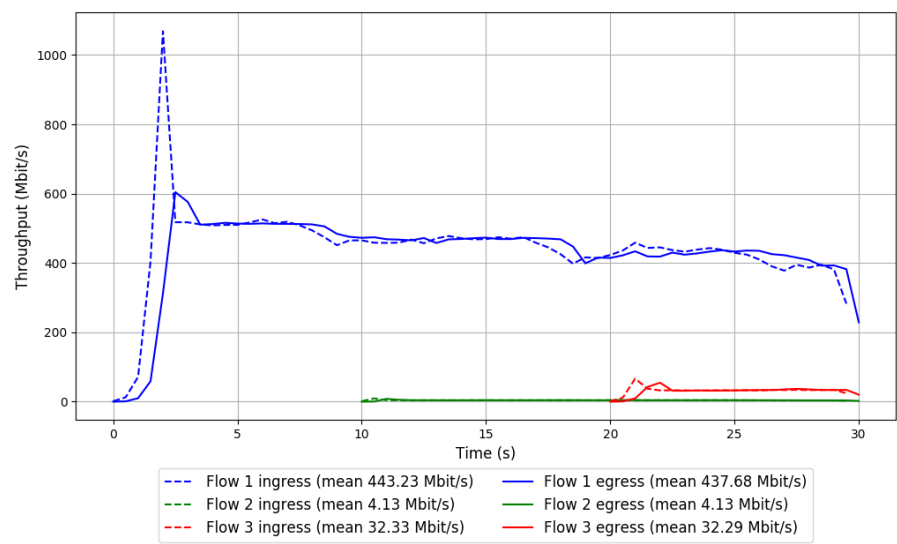


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-01 05:05:49
End at: 2018-07-01 05:06:19
Local clock offset: 0.07 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-01 10:02:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 450.97 Mbit/s
95th percentile per-packet one-way delay: 193.551 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 437.68 Mbit/s
95th percentile per-packet one-way delay: 193.609 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 185.994 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 32.29 Mbit/s
95th percentile per-packet one-way delay: 191.087 ms
Loss rate: 1.35%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-01 05:30:35

End at: 2018-07-01 05:31:05

Local clock offset: -0.049 ms

Remote clock offset: 0.145 ms

Below is generated by plot.py at 2018-07-01 10:02:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 350.17 Mbit/s

95th percentile per-packet one-way delay: 168.151 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 345.85 Mbit/s

95th percentile per-packet one-way delay: 168.189 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 4.41 Mbit/s

95th percentile per-packet one-way delay: 165.506 ms

Loss rate: 1.34%

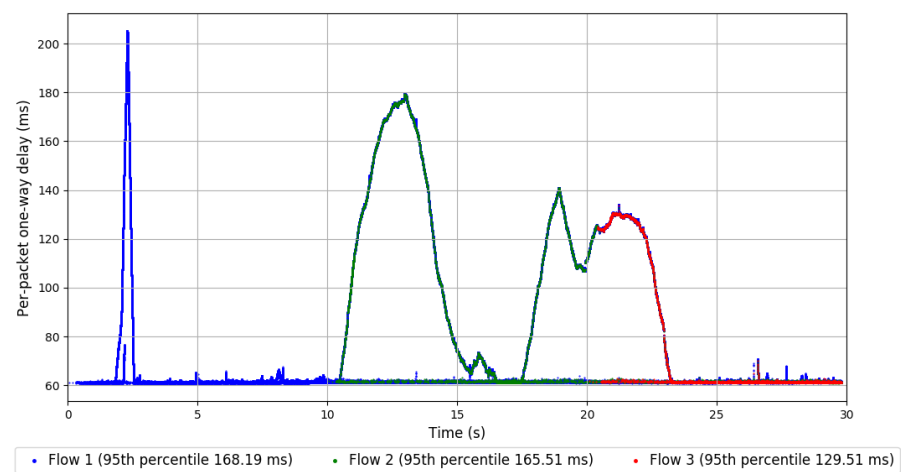
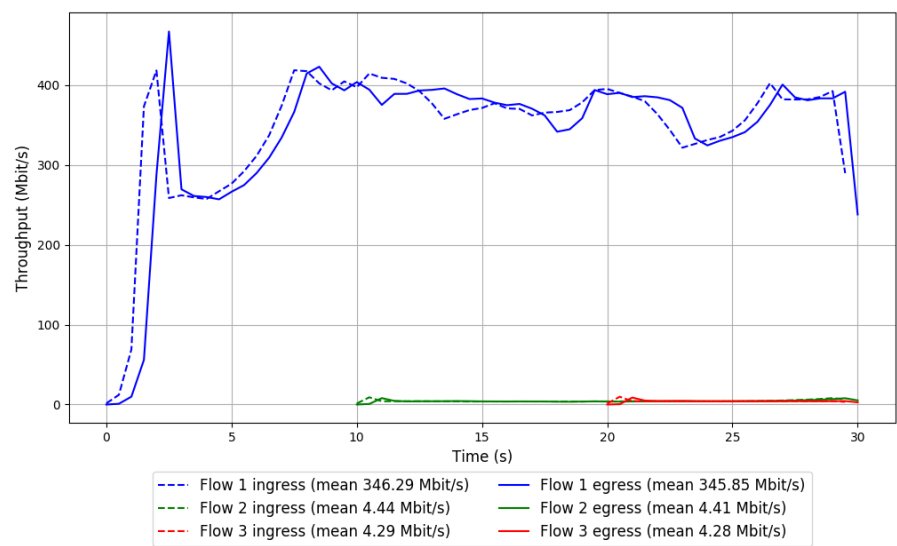
-- Flow 3:

Average throughput: 4.28 Mbit/s

95th percentile per-packet one-way delay: 129.513 ms

Loss rate: 1.37%

Run 4: Report of PCC-Allegro — Data Link

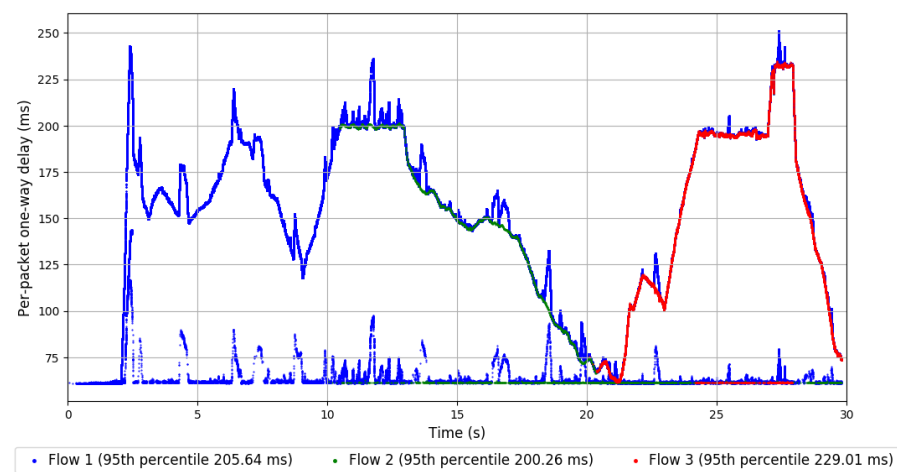
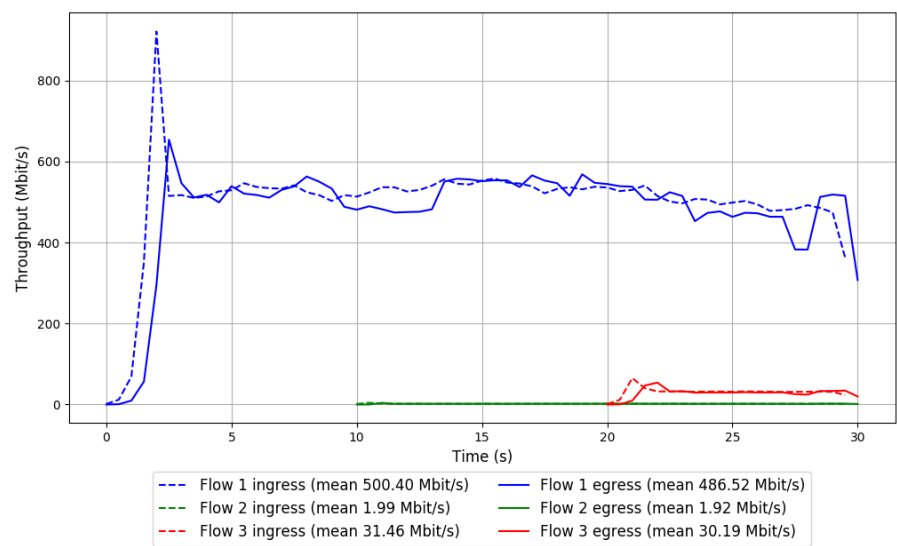


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-01 05:55:04
End at: 2018-07-01 05:55:34
Local clock offset: -0.038 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-01 10:02:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 497.65 Mbit/s
95th percentile per-packet one-way delay: 205.758 ms
Loss rate: 3.23%
-- Flow 1:
Average throughput: 486.52 Mbit/s
95th percentile per-packet one-way delay: 205.642 ms
Loss rate: 3.18%
-- Flow 2:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 200.263 ms
Loss rate: 4.41%
-- Flow 3:
Average throughput: 30.19 Mbit/s
95th percentile per-packet one-way delay: 229.010 ms
Loss rate: 5.36%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-01 06:19:59

End at: 2018-07-01 06:20:29

Local clock offset: -0.119 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-07-01 10:02:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 402.19 Mbit/s

95th percentile per-packet one-way delay: 206.616 ms

Loss rate: 3.27%

-- Flow 1:

Average throughput: 358.91 Mbit/s

95th percentile per-packet one-way delay: 206.968 ms

Loss rate: 3.23%

-- Flow 2:

Average throughput: 63.87 Mbit/s

95th percentile per-packet one-way delay: 205.414 ms

Loss rate: 3.63%

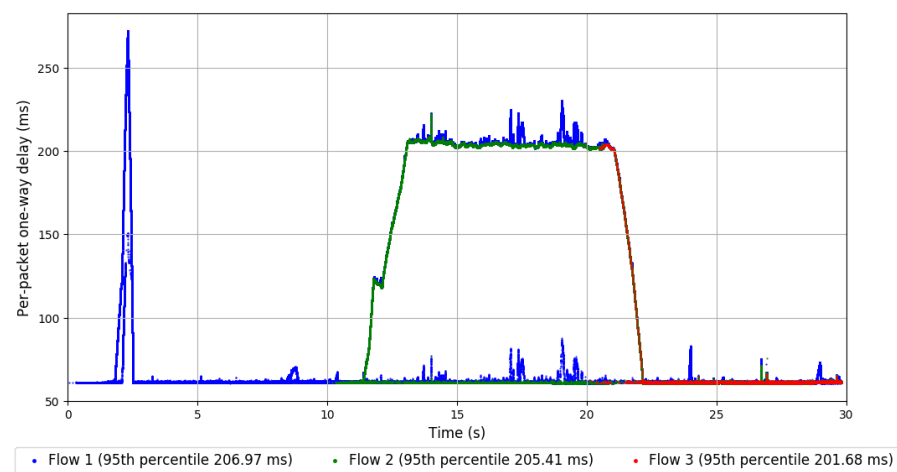
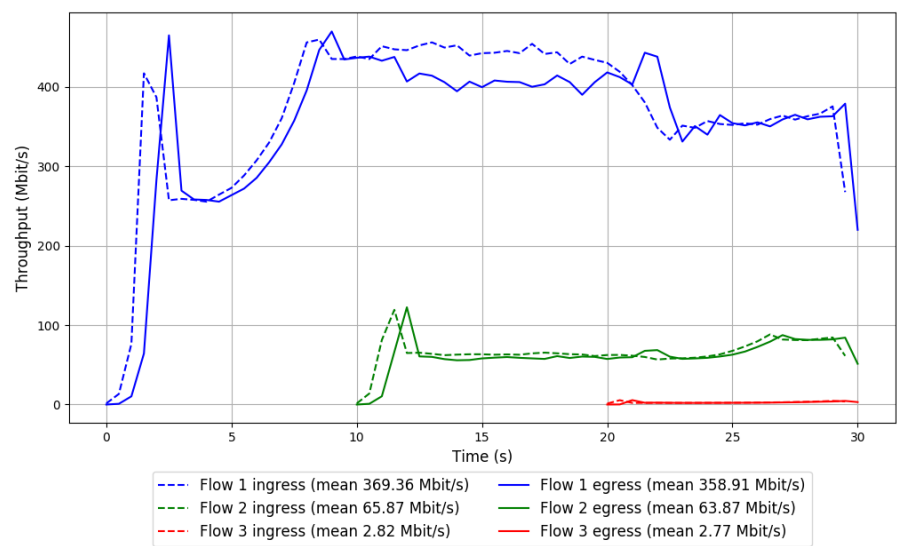
-- Flow 3:

Average throughput: 2.77 Mbit/s

95th percentile per-packet one-way delay: 201.680 ms

Loss rate: 2.89%

Run 6: Report of PCC-Allegro — Data Link

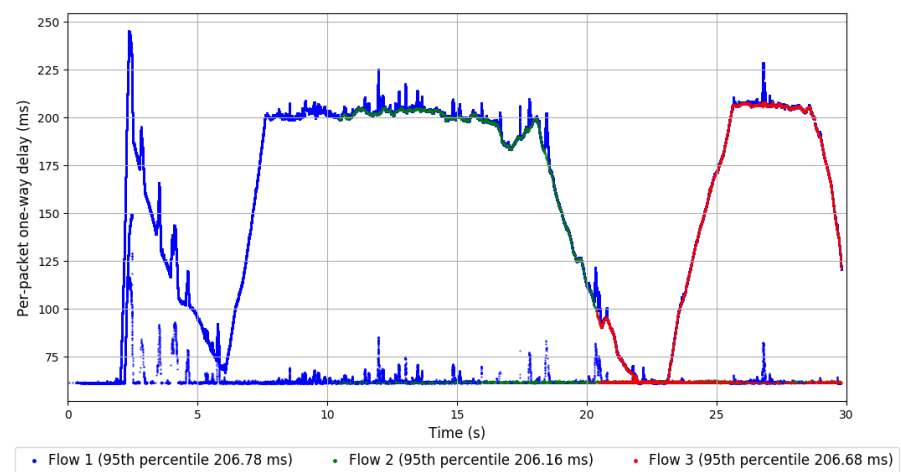
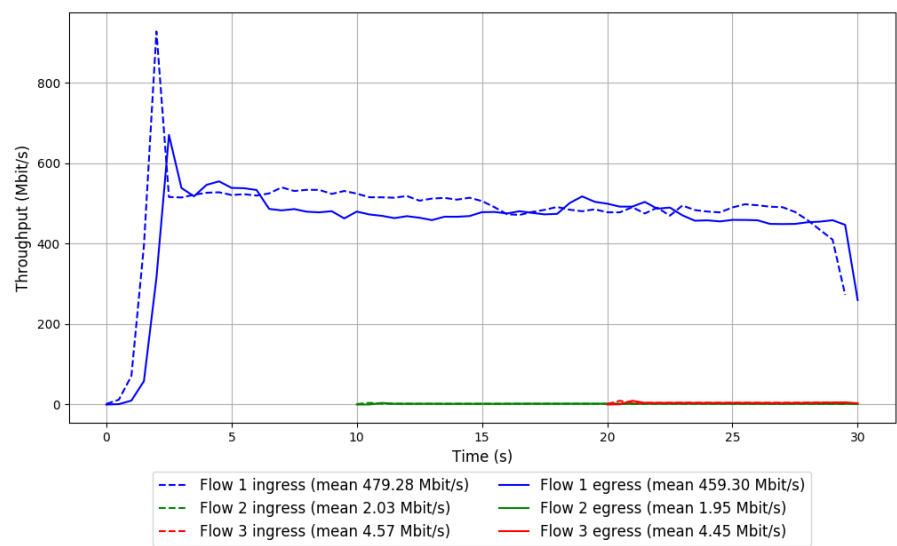


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-01 06:45:18
End at: 2018-07-01 06:45:48
Local clock offset: 0.06 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-07-01 10:04:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 462.01 Mbit/s
95th percentile per-packet one-way delay: 206.781 ms
Loss rate: 4.56%
-- Flow 1:
Average throughput: 459.30 Mbit/s
95th percentile per-packet one-way delay: 206.784 ms
Loss rate: 4.56%
-- Flow 2:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 206.163 ms
Loss rate: 4.62%
-- Flow 3:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 206.676 ms
Loss rate: 3.96%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-01 07:10:06

End at: 2018-07-01 07:10:36

Local clock offset: -0.15 ms

Remote clock offset: 1.241 ms

Below is generated by plot.py at 2018-07-01 10:05:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 463.10 Mbit/s

95th percentile per-packet one-way delay: 225.303 ms

Loss rate: 4.08%

-- Flow 1:

Average throughput: 420.84 Mbit/s

95th percentile per-packet one-way delay: 227.199 ms

Loss rate: 4.22%

-- Flow 2:

Average throughput: 62.65 Mbit/s

95th percentile per-packet one-way delay: 203.271 ms

Loss rate: 2.63%

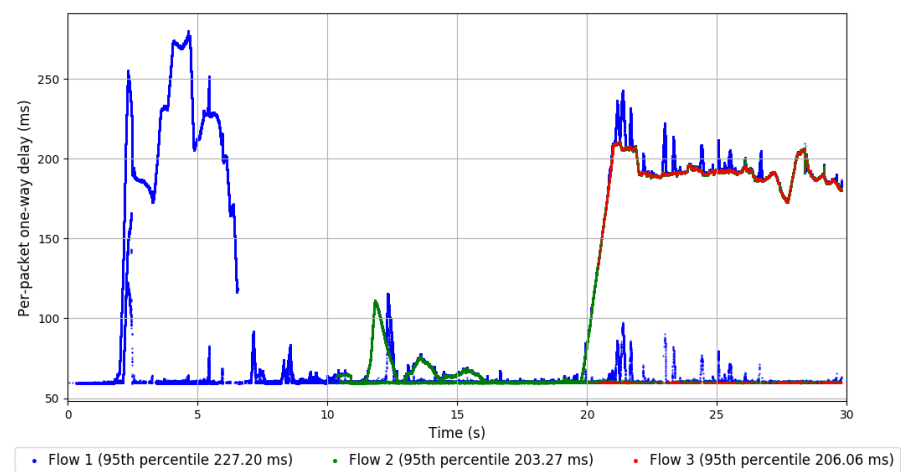
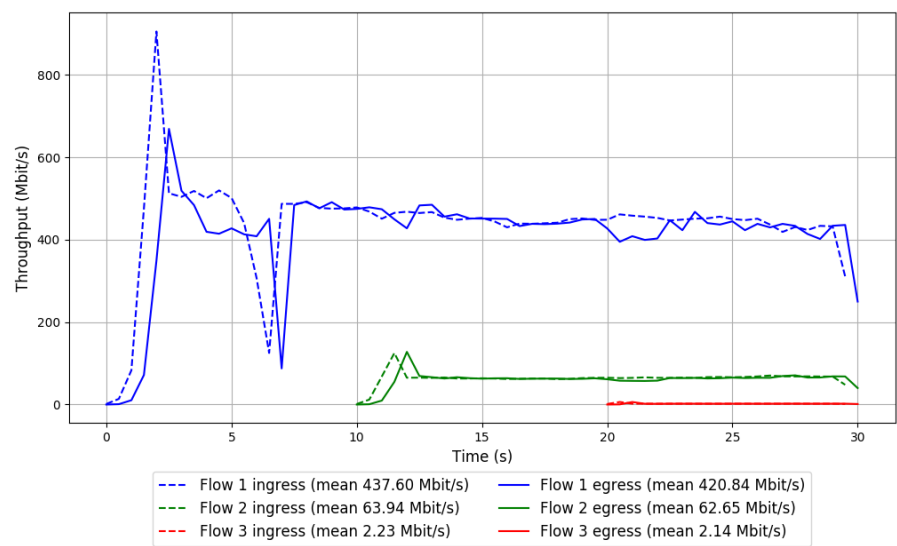
-- Flow 3:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 206.058 ms

Loss rate: 5.23%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-01 07:35:11

End at: 2018-07-01 07:35:41

Local clock offset: -0.08 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-01 10:05:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 411.88 Mbit/s

95th percentile per-packet one-way delay: 203.469 ms

Loss rate: 1.86%

-- Flow 1:

Average throughput: 400.53 Mbit/s

95th percentile per-packet one-way delay: 203.563 ms

Loss rate: 1.85%

-- Flow 2:

Average throughput: 16.08 Mbit/s

95th percentile per-packet one-way delay: 202.699 ms

Loss rate: 2.35%

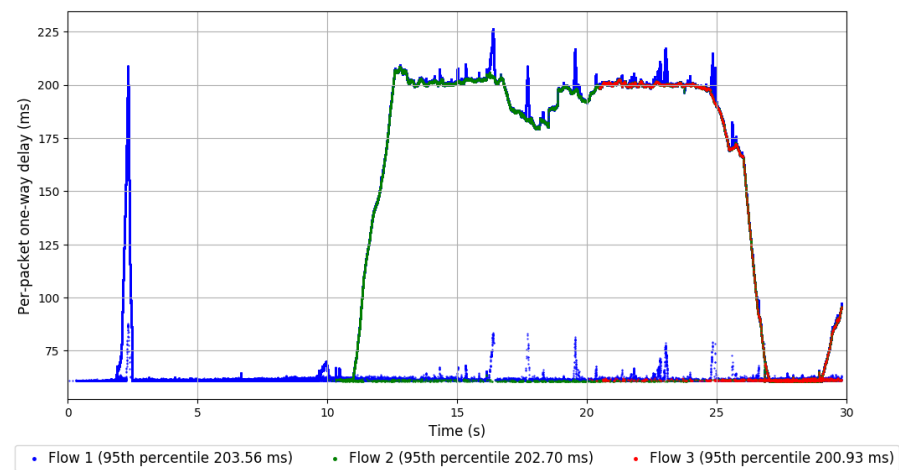
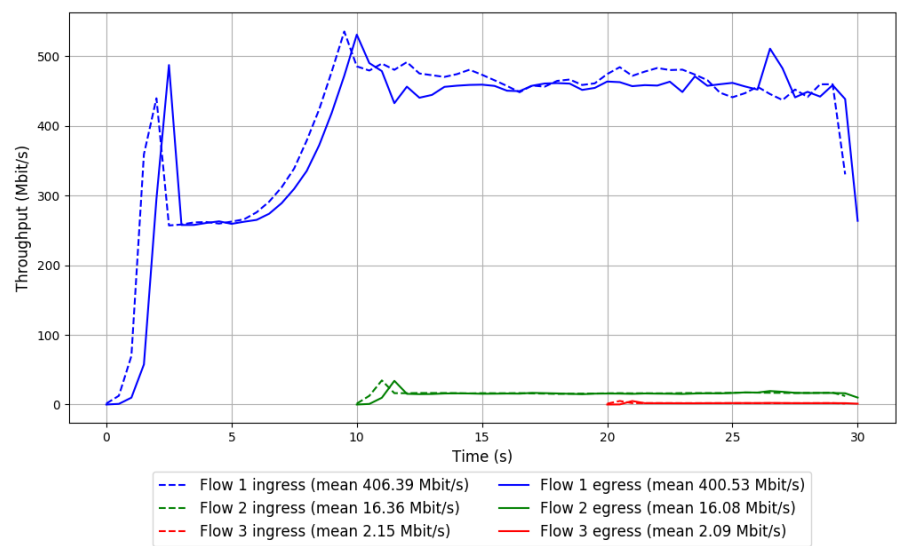
-- Flow 3:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 200.929 ms

Loss rate: 4.06%

Run 9: Report of PCC-Allegro — Data Link

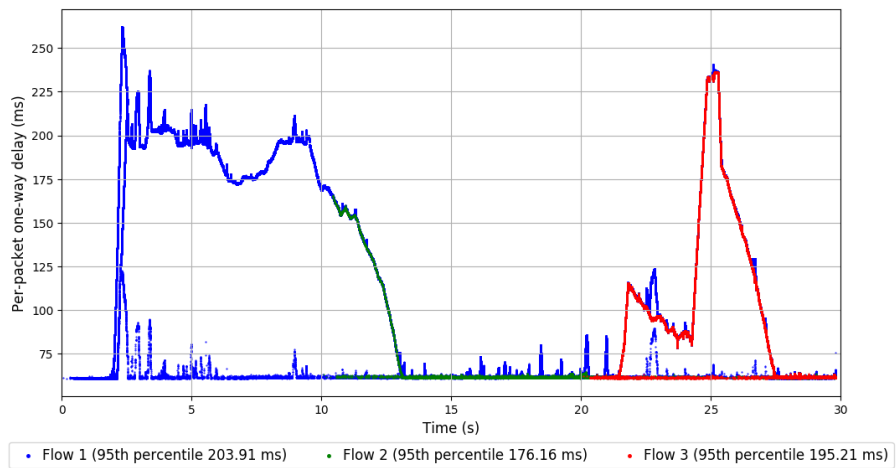
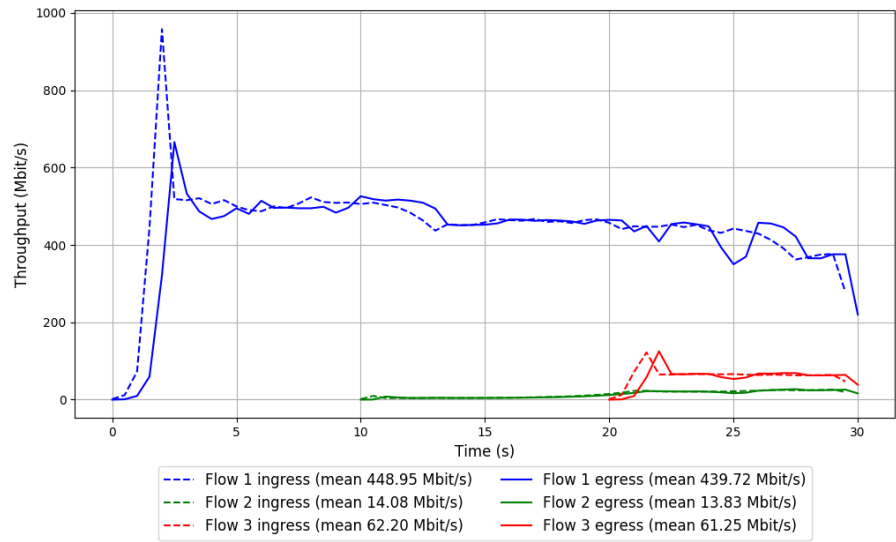


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-01 08:00:18
End at: 2018-07-01 08:00:48
Local clock offset: -0.055 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-01 10:06:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 468.92 Mbit/s
95th percentile per-packet one-way delay: 203.779 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 439.72 Mbit/s
95th percentile per-packet one-way delay: 203.910 ms
Loss rate: 2.45%
-- Flow 2:
Average throughput: 13.83 Mbit/s
95th percentile per-packet one-way delay: 176.161 ms
Loss rate: 2.34%
-- Flow 3:
Average throughput: 61.25 Mbit/s
95th percentile per-packet one-way delay: 195.208 ms
Loss rate: 2.75%

Run 10: Report of PCC-Allegro — Data Link

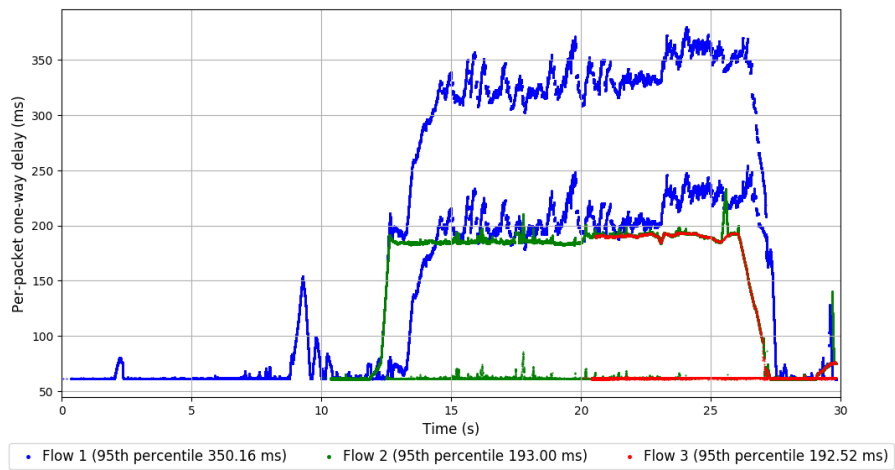
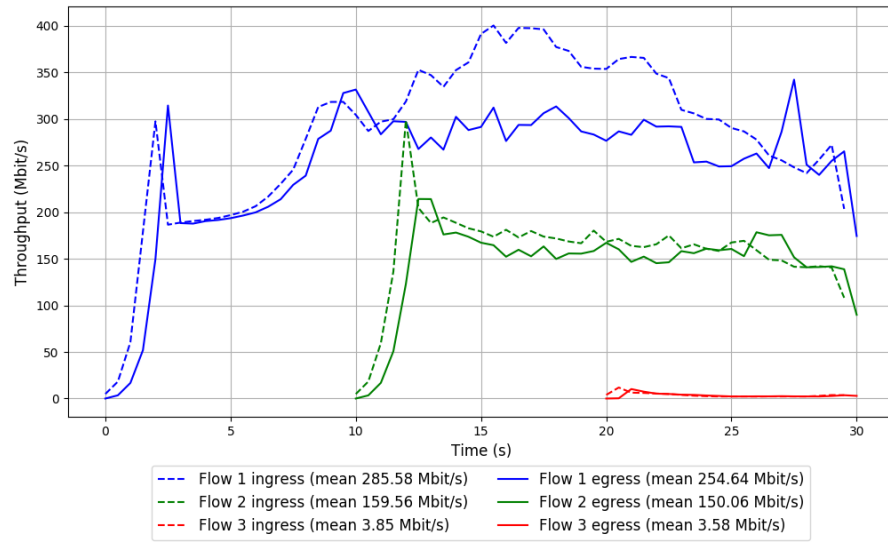


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-01 04:20:45
End at: 2018-07-01 04:21:15
Local clock offset: -0.056 ms
Remote clock offset: 0.193 ms

# Below is generated by plot.py at 2018-07-01 10:12:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 355.40 Mbit/s
95th percentile per-packet one-way delay: 343.219 ms
Loss rate: 9.93%
-- Flow 1:
Average throughput: 254.64 Mbit/s
95th percentile per-packet one-way delay: 350.164 ms
Loss rate: 11.20%
-- Flow 2:
Average throughput: 150.06 Mbit/s
95th percentile per-packet one-way delay: 192.997 ms
Loss rate: 6.55%
-- Flow 3:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 192.523 ms
Loss rate: 8.14%
```

Run 1: Report of PCC-Expr — Data Link

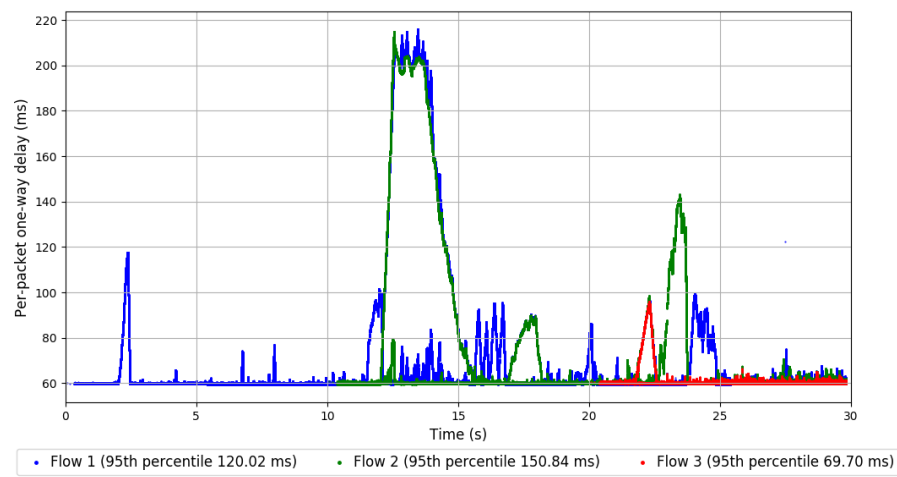
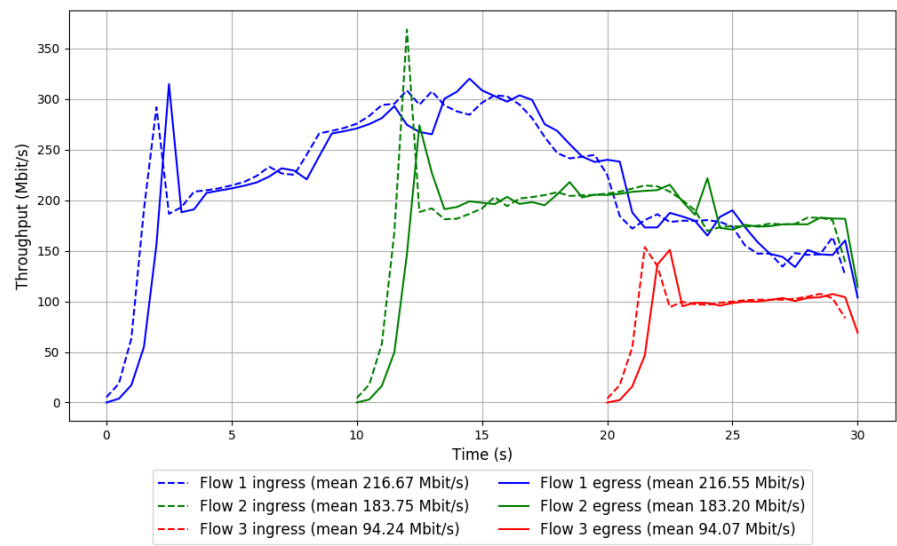


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-01 04:45:22
End at: 2018-07-01 04:45:52
Local clock offset: 0.02 ms
Remote clock offset: 1.284 ms

# Below is generated by plot.py at 2018-07-01 10:12:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 368.86 Mbit/s
95th percentile per-packet one-way delay: 131.210 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 216.55 Mbit/s
95th percentile per-packet one-way delay: 120.018 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 183.20 Mbit/s
95th percentile per-packet one-way delay: 150.837 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 94.07 Mbit/s
95th percentile per-packet one-way delay: 69.701 ms
Loss rate: 1.43%
```

Run 2: Report of PCC-Expr — Data Link

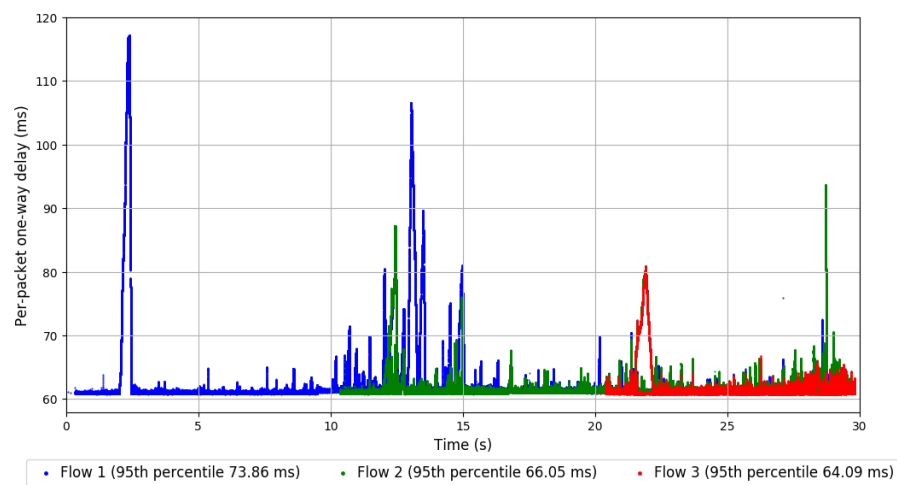
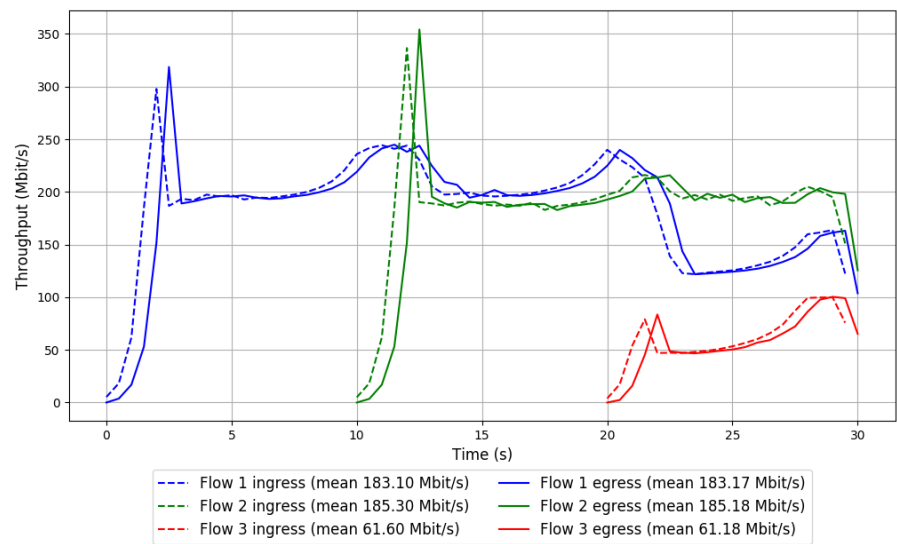


Run 3: Statistics of PCC-Expr

Start at: 2018-07-01 05:09:48
End at: 2018-07-01 05:10:18
Local clock offset: 0.065 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-07-01 10:14:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 326.11 Mbit/s
95th percentile per-packet one-way delay: 69.993 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 183.17 Mbit/s
95th percentile per-packet one-way delay: 73.857 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 185.18 Mbit/s
95th percentile per-packet one-way delay: 66.054 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 61.18 Mbit/s
95th percentile per-packet one-way delay: 64.091 ms
Loss rate: 1.91%

Run 3: Report of PCC-Expr — Data Link

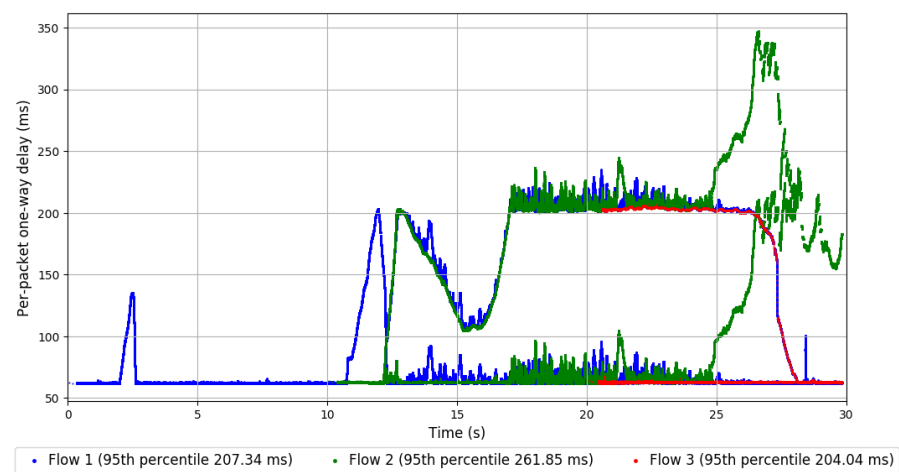
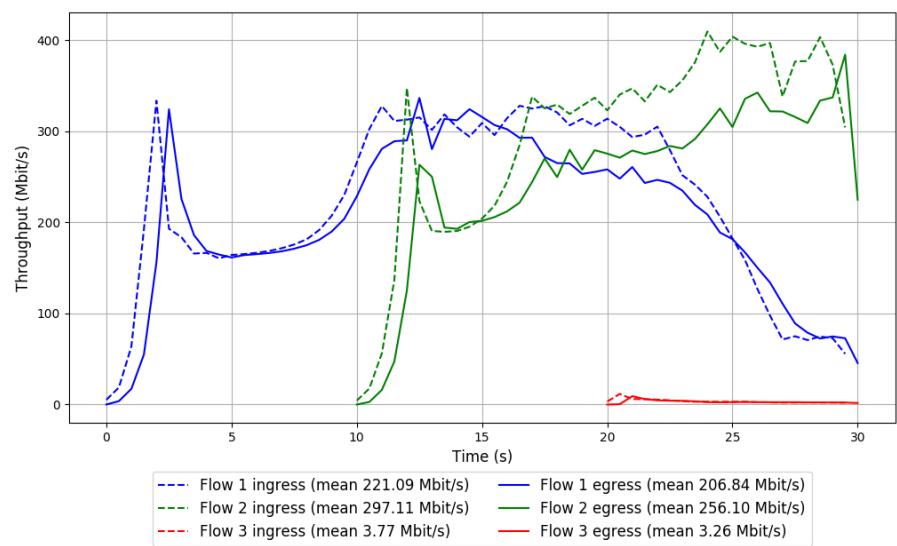


Run 4: Statistics of PCC-Expr

Start at: 2018-07-01 05:34:26
End at: 2018-07-01 05:34:56
Local clock offset: -0.045 ms
Remote clock offset: -1.166 ms

Below is generated by plot.py at 2018-07-01 10:19:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 377.84 Mbit/s
95th percentile per-packet one-way delay: 221.107 ms
Loss rate: 10.39%
-- Flow 1:
Average throughput: 206.84 Mbit/s
95th percentile per-packet one-way delay: 207.340 ms
Loss rate: 6.83%
-- Flow 2:
Average throughput: 256.10 Mbit/s
95th percentile per-packet one-way delay: 261.851 ms
Loss rate: 14.35%
-- Flow 3:
Average throughput: 3.26 Mbit/s
95th percentile per-packet one-way delay: 204.042 ms
Loss rate: 14.57%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-01 05:59:06

End at: 2018-07-01 05:59:36

Local clock offset: -0.078 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-01 10:19:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 341.30 Mbit/s

95th percentile per-packet one-way delay: 203.912 ms

Loss rate: 2.01%

-- Flow 1:

Average throughput: 208.18 Mbit/s

95th percentile per-packet one-way delay: 202.722 ms

Loss rate: 1.40%

-- Flow 2:

Average throughput: 197.43 Mbit/s

95th percentile per-packet one-way delay: 205.675 ms

Loss rate: 2.93%

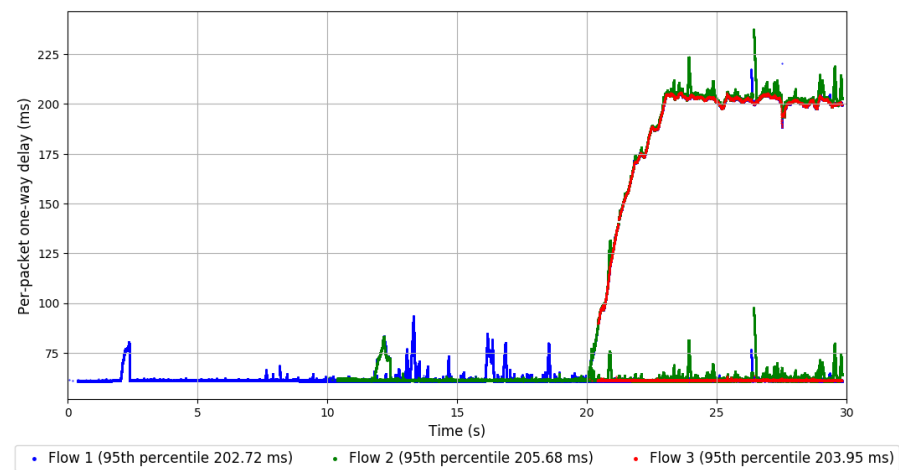
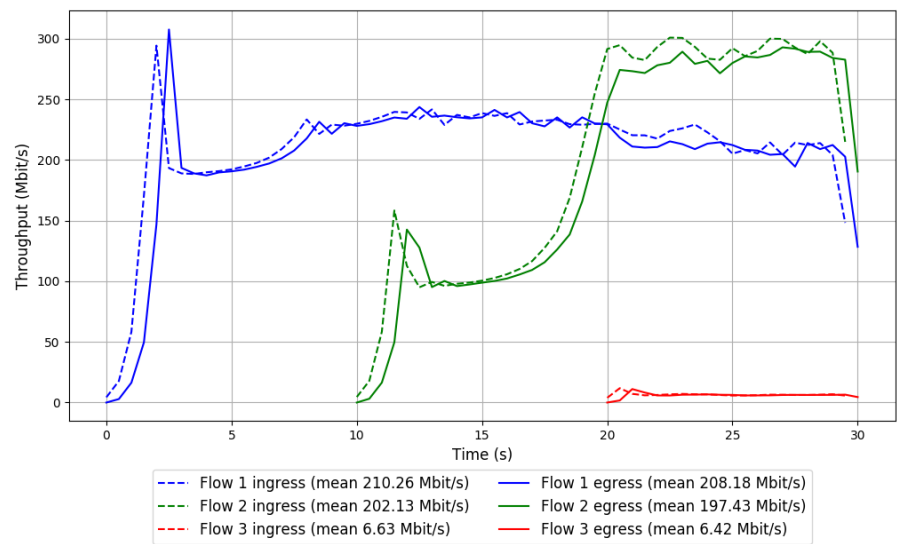
-- Flow 3:

Average throughput: 6.42 Mbit/s

95th percentile per-packet one-way delay: 203.949 ms

Loss rate: 4.35%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-01 06:23:55

End at: 2018-07-01 06:24:25

Local clock offset: -0.069 ms

Remote clock offset: 0.156 ms

Below is generated by plot.py at 2018-07-01 10:19:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 361.09 Mbit/s

95th percentile per-packet one-way delay: 194.026 ms

Loss rate: 2.19%

-- Flow 1:

Average throughput: 232.73 Mbit/s

95th percentile per-packet one-way delay: 191.477 ms

Loss rate: 1.53%

-- Flow 2:

Average throughput: 188.62 Mbit/s

95th percentile per-packet one-way delay: 197.132 ms

Loss rate: 3.35%

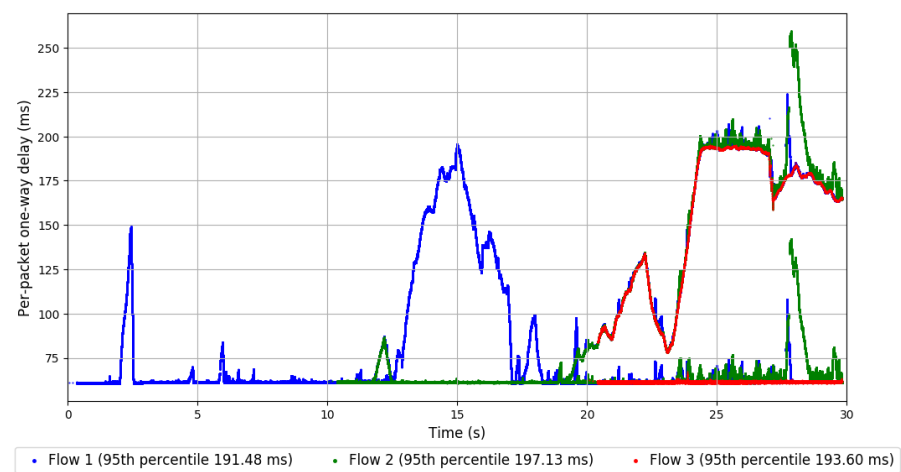
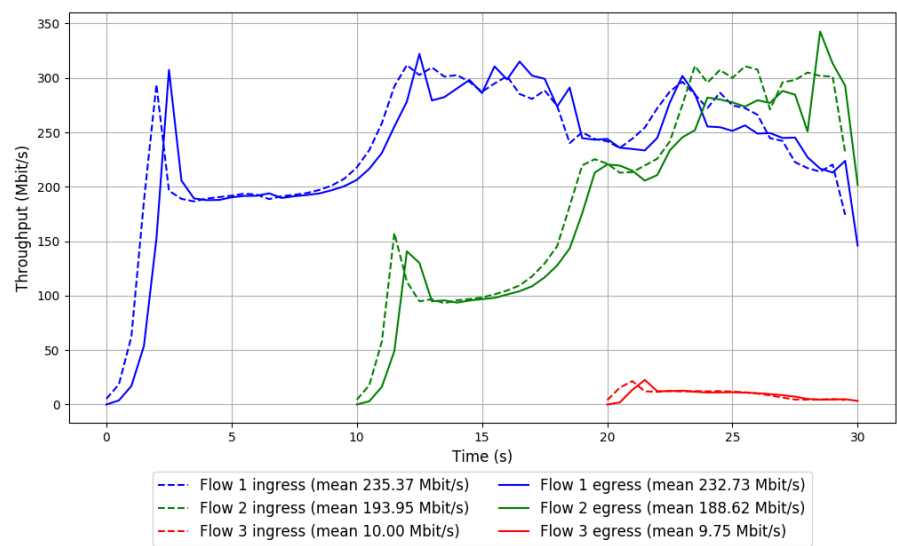
-- Flow 3:

Average throughput: 9.75 Mbit/s

95th percentile per-packet one-way delay: 193.598 ms

Loss rate: 3.68%

Run 6: Report of PCC-Expr — Data Link

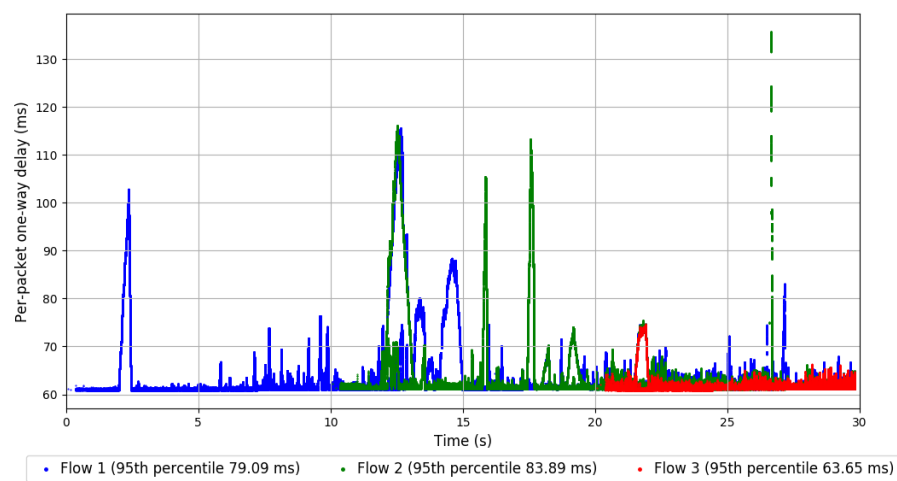
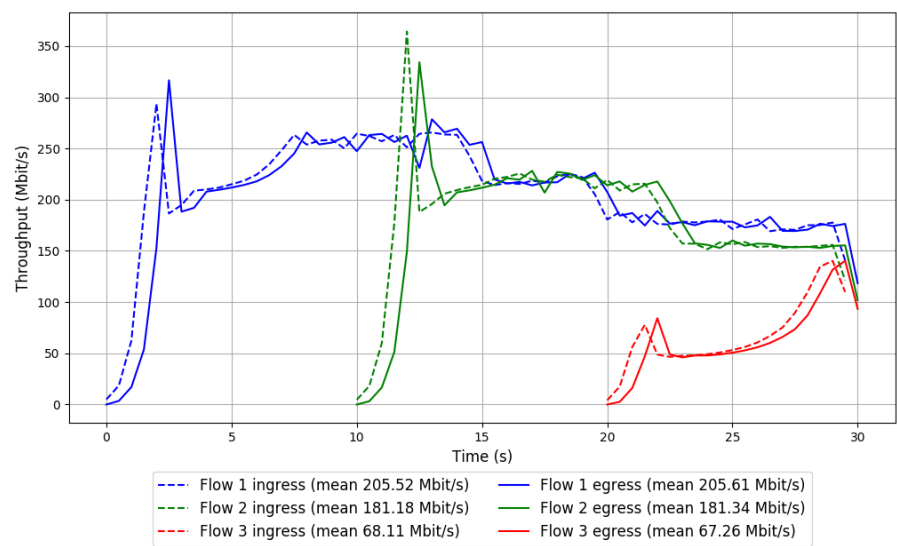


Run 7: Statistics of PCC-Expr

Start at: 2018-07-01 06:49:20
End at: 2018-07-01 06:49:50
Local clock offset: -0.001 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2018-07-01 10:19:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 347.98 Mbit/s
95th percentile per-packet one-way delay: 78.471 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 205.61 Mbit/s
95th percentile per-packet one-way delay: 79.087 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 181.34 Mbit/s
95th percentile per-packet one-way delay: 83.892 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 67.26 Mbit/s
95th percentile per-packet one-way delay: 63.647 ms
Loss rate: 2.48%

Run 7: Report of PCC-Expr — Data Link

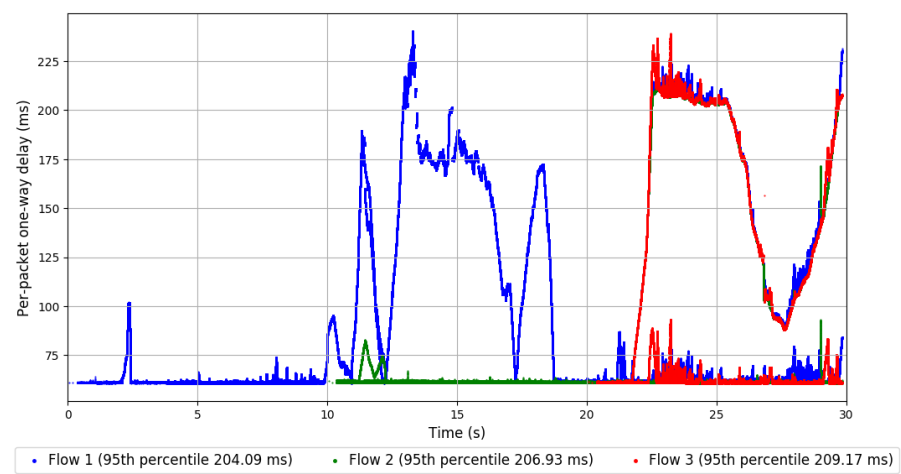
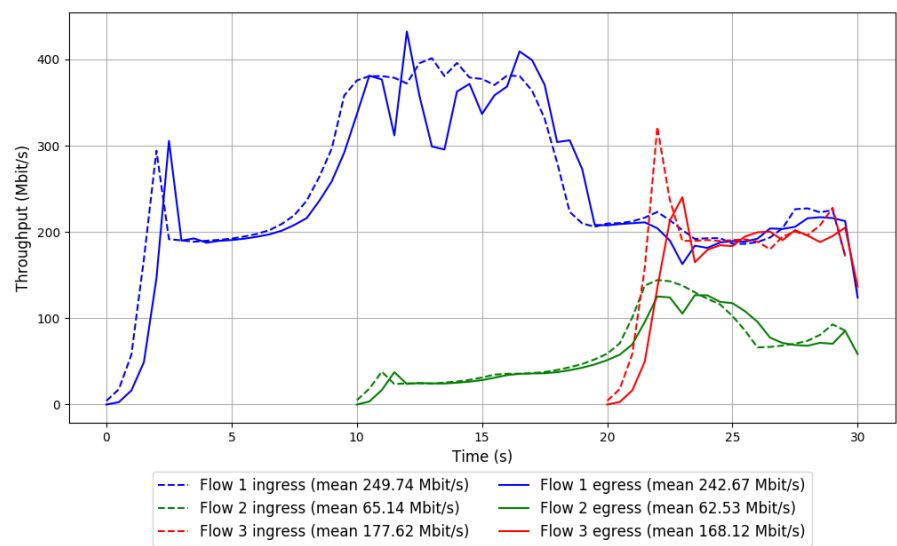


Run 8: Statistics of PCC-Expr

Start at: 2018-07-01 07:14:14
End at: 2018-07-01 07:14:44
Local clock offset: -0.115 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-01 10:20:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 339.24 Mbit/s
95th percentile per-packet one-way delay: 206.327 ms
Loss rate: 3.95%
-- Flow 1:
Average throughput: 242.67 Mbit/s
95th percentile per-packet one-way delay: 204.094 ms
Loss rate: 3.23%
-- Flow 2:
Average throughput: 62.53 Mbit/s
95th percentile per-packet one-way delay: 206.933 ms
Loss rate: 4.60%
-- Flow 3:
Average throughput: 168.12 Mbit/s
95th percentile per-packet one-way delay: 209.166 ms
Loss rate: 6.52%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-01 07:39:08

End at: 2018-07-01 07:39:39

Local clock offset: -0.069 ms

Remote clock offset: 0.332 ms

Below is generated by plot.py at 2018-07-01 10:29:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 370.43 Mbit/s

95th percentile per-packet one-way delay: 317.257 ms

Loss rate: 12.36%

-- Flow 1:

Average throughput: 298.22 Mbit/s

95th percentile per-packet one-way delay: 319.338 ms

Loss rate: 13.91%

-- Flow 2:

Average throughput: 103.40 Mbit/s

95th percentile per-packet one-way delay: 197.713 ms

Loss rate: 5.32%

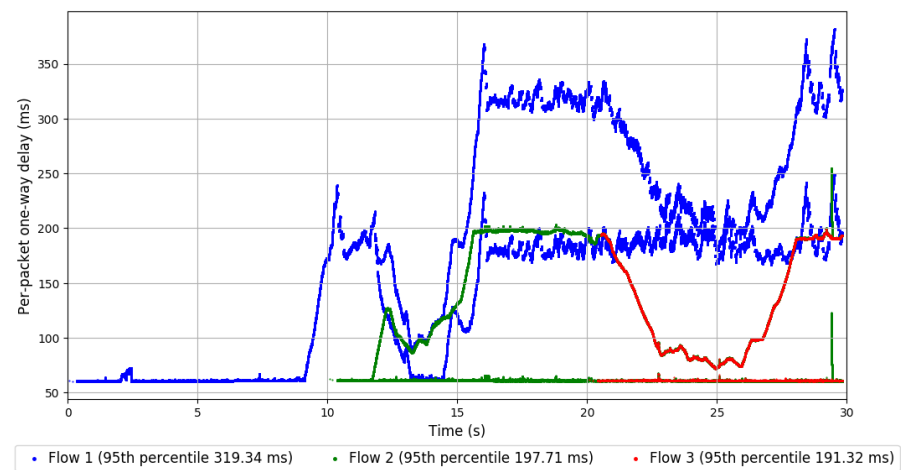
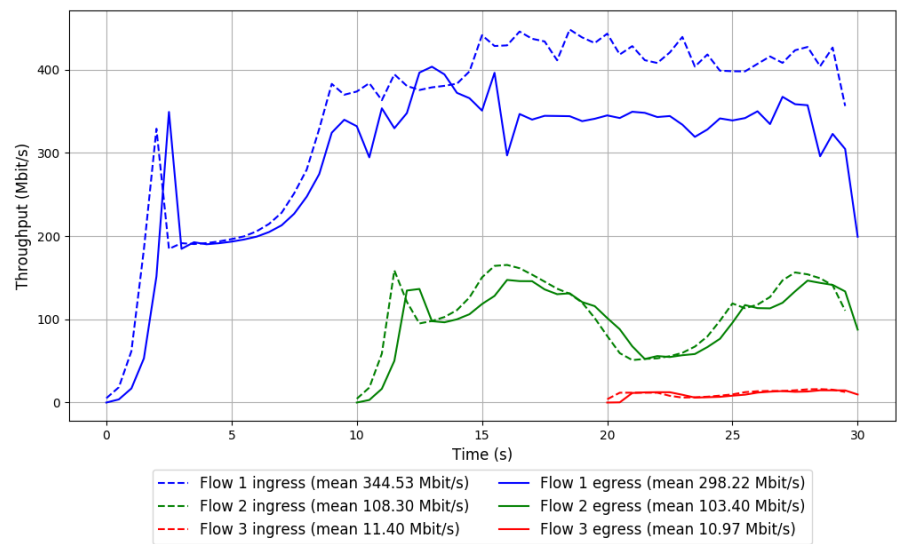
-- Flow 3:

Average throughput: 10.97 Mbit/s

95th percentile per-packet one-way delay: 191.318 ms

Loss rate: 5.30%

Run 9: Report of PCC-Expr — Data Link

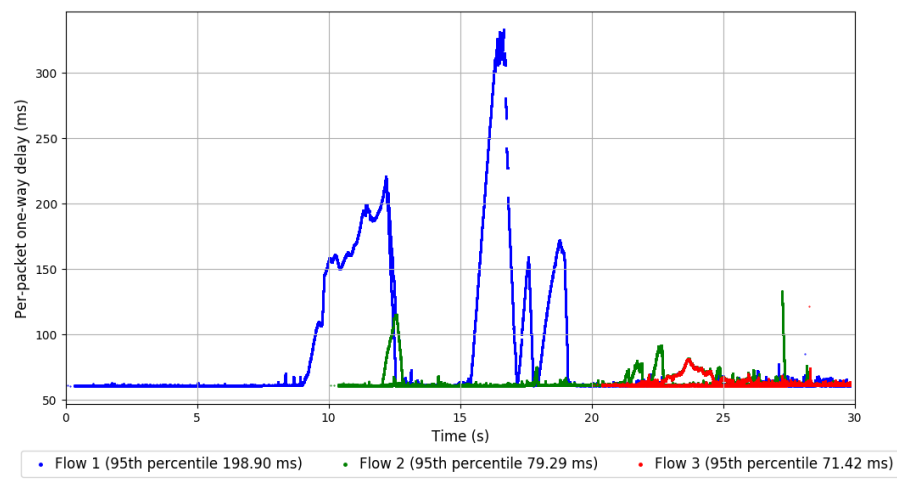
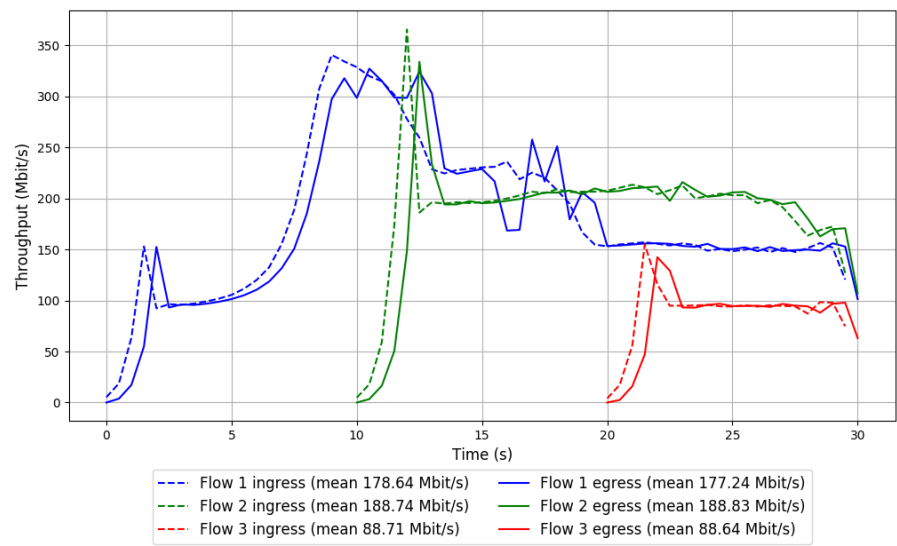


Run 10: Statistics of PCC-Expr

Start at: 2018-07-01 08:04:27
End at: 2018-07-01 08:04:57
Local clock offset: -0.076 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-07-01 10:29:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 331.57 Mbit/s
95th percentile per-packet one-way delay: 188.153 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 177.24 Mbit/s
95th percentile per-packet one-way delay: 198.895 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 188.83 Mbit/s
95th percentile per-packet one-way delay: 79.290 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 88.64 Mbit/s
95th percentile per-packet one-way delay: 71.421 ms
Loss rate: 1.36%

Run 10: Report of PCC-Expr — Data Link

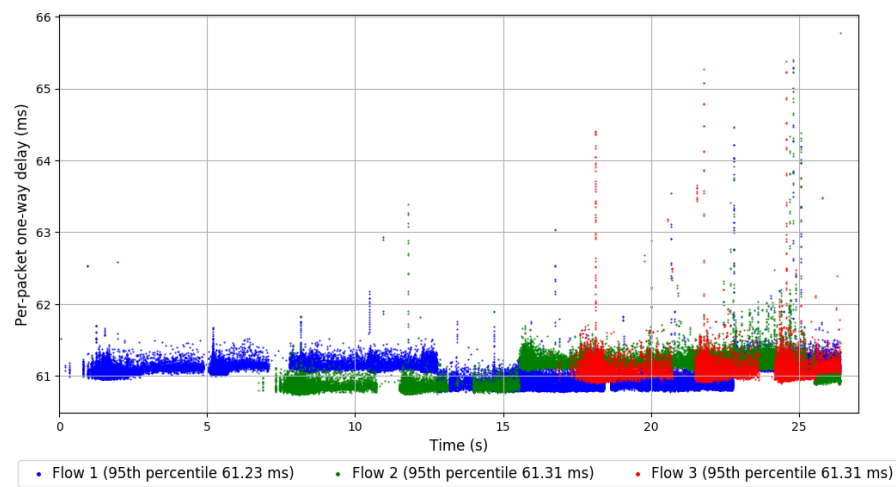
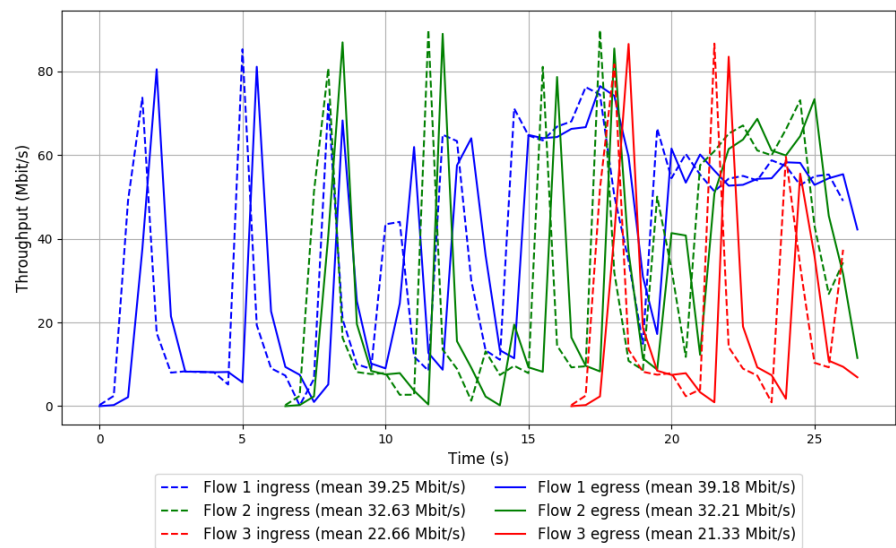


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-01 04:04:09
End at: 2018-07-01 04:04:39
Local clock offset: -0.125 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-07-01 10:29:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.26 Mbit/s
95th percentile per-packet one-way delay: 61.271 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 39.18 Mbit/s
95th percentile per-packet one-way delay: 61.230 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 32.21 Mbit/s
95th percentile per-packet one-way delay: 61.306 ms
Loss rate: 1.88%
-- Flow 3:
Average throughput: 21.33 Mbit/s
95th percentile per-packet one-way delay: 61.306 ms
Loss rate: 7.03%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-01 04:29:00

End at: 2018-07-01 04:29:30

Local clock offset: -0.062 ms

Remote clock offset: 0.222 ms

Below is generated by plot.py at 2018-07-01 10:29:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.73 Mbit/s

95th percentile per-packet one-way delay: 61.190 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 46.06 Mbit/s

95th percentile per-packet one-way delay: 61.228 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 32.09 Mbit/s

95th percentile per-packet one-way delay: 60.766 ms

Loss rate: 0.40%

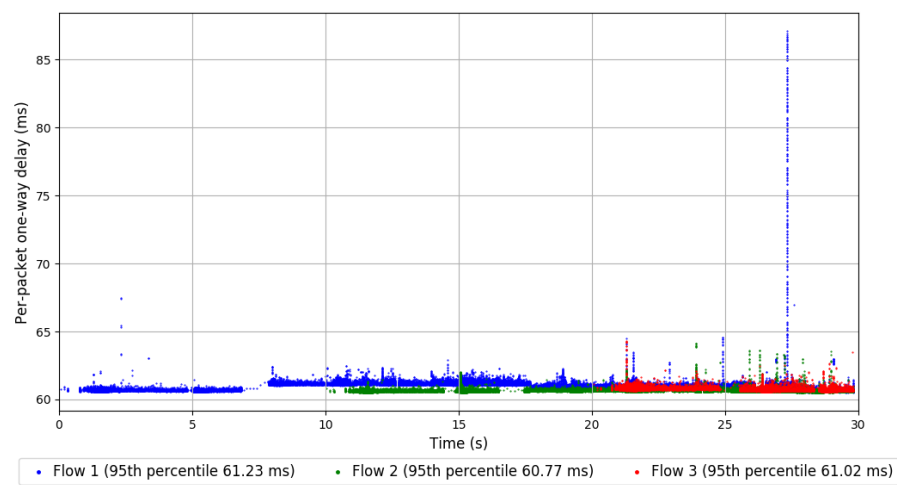
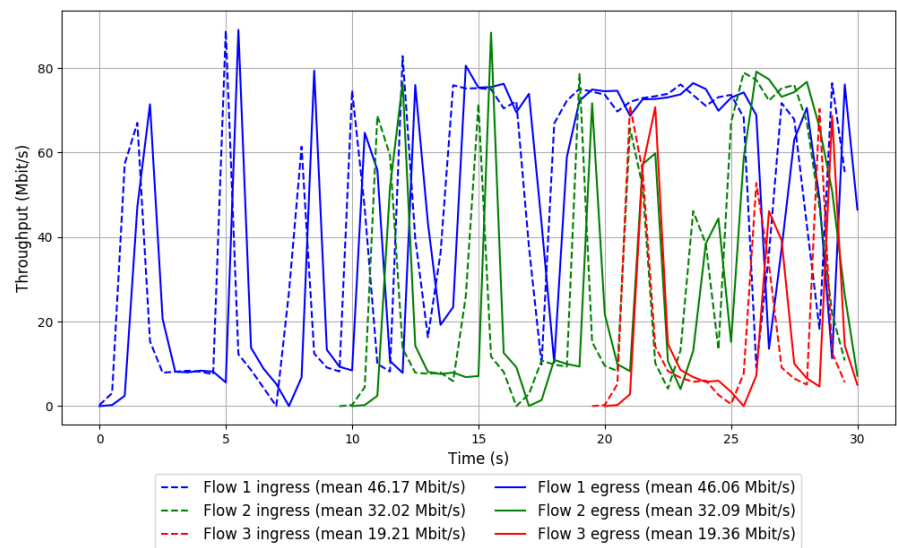
-- Flow 3:

Average throughput: 19.36 Mbit/s

95th percentile per-packet one-way delay: 61.018 ms

Loss rate: 0.44%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-01 04:53:27

End at: 2018-07-01 04:53:57

Local clock offset: 0.009 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-01 10:29:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.05 Mbit/s

95th percentile per-packet one-way delay: 61.309 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 44.43 Mbit/s

95th percentile per-packet one-way delay: 61.219 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 25.70 Mbit/s

95th percentile per-packet one-way delay: 61.391 ms

Loss rate: 1.43%

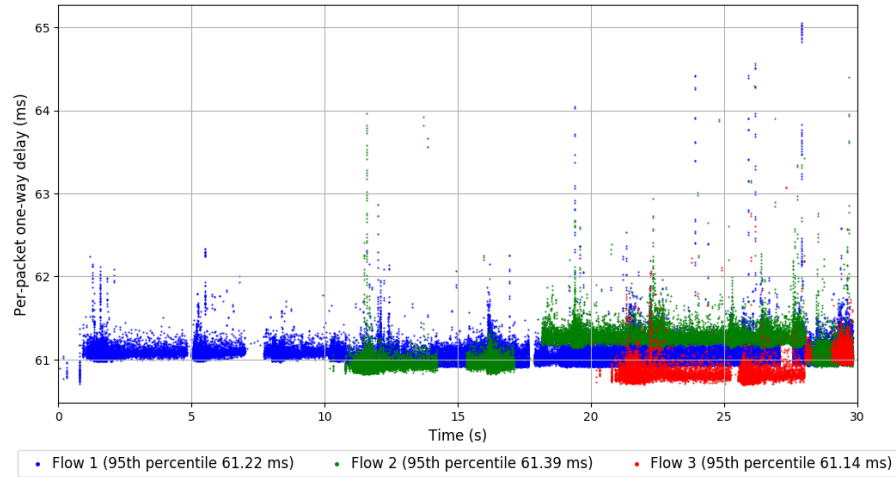
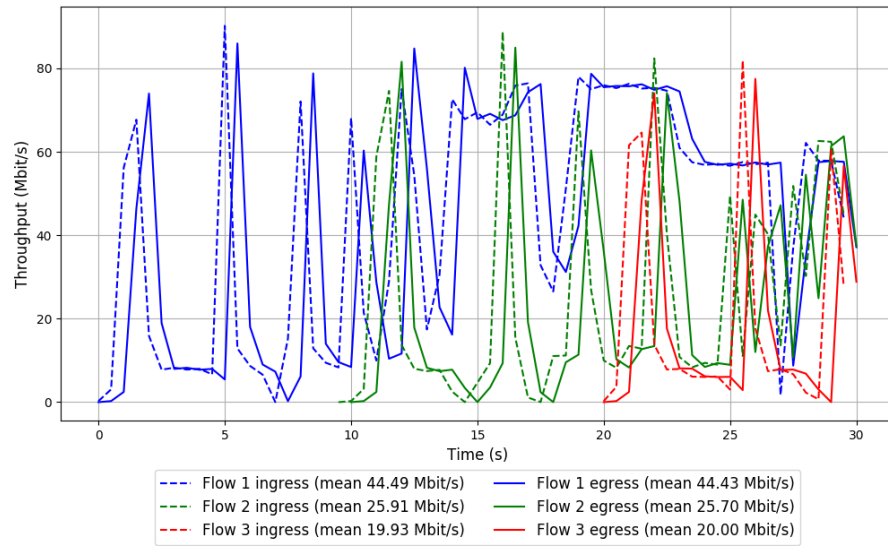
-- Flow 3:

Average throughput: 20.00 Mbit/s

95th percentile per-packet one-way delay: 61.138 ms

Loss rate: 0.86%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-01 05:18:02

End at: 2018-07-01 05:18:32

Local clock offset: -0.012 ms

Remote clock offset: 1.258 ms

Below is generated by plot.py at 2018-07-01 10:29:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.67 Mbit/s

95th percentile per-packet one-way delay: 59.986 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 43.54 Mbit/s

95th percentile per-packet one-way delay: 59.847 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 38.82 Mbit/s

95th percentile per-packet one-way delay: 59.826 ms

Loss rate: 1.11%

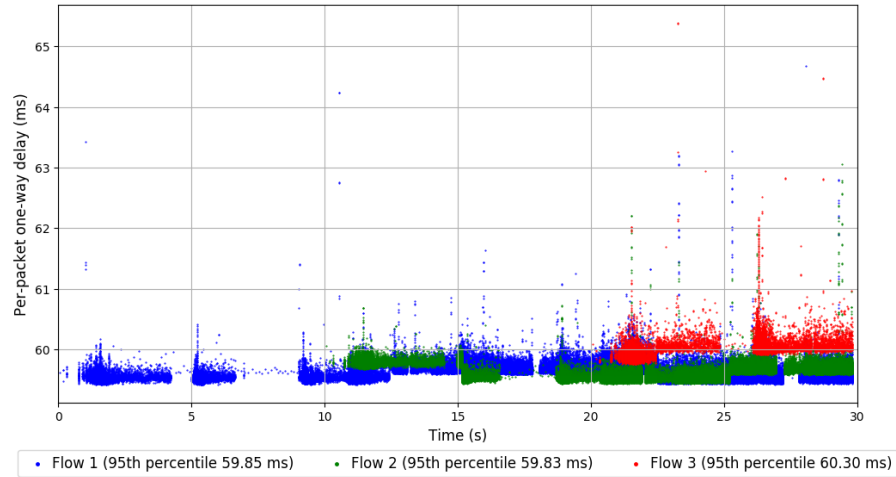
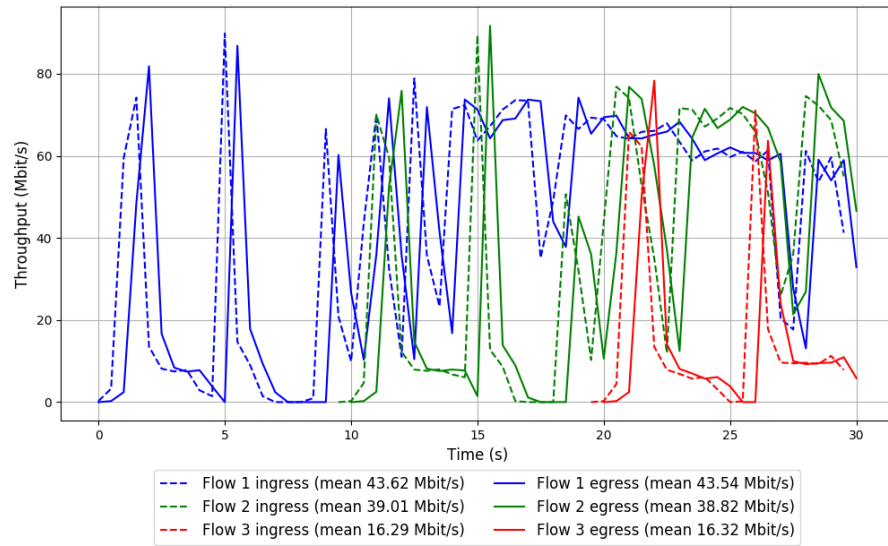
-- Flow 3:

Average throughput: 16.32 Mbit/s

95th percentile per-packet one-way delay: 60.296 ms

Loss rate: 1.05%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-01 05:42:37

End at: 2018-07-01 05:43:07

Local clock offset: -0.021 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-07-01 10:29:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.49 Mbit/s

95th percentile per-packet one-way delay: 61.244 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 46.03 Mbit/s

95th percentile per-packet one-way delay: 61.264 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 31.13 Mbit/s

95th percentile per-packet one-way delay: 61.146 ms

Loss rate: 0.98%

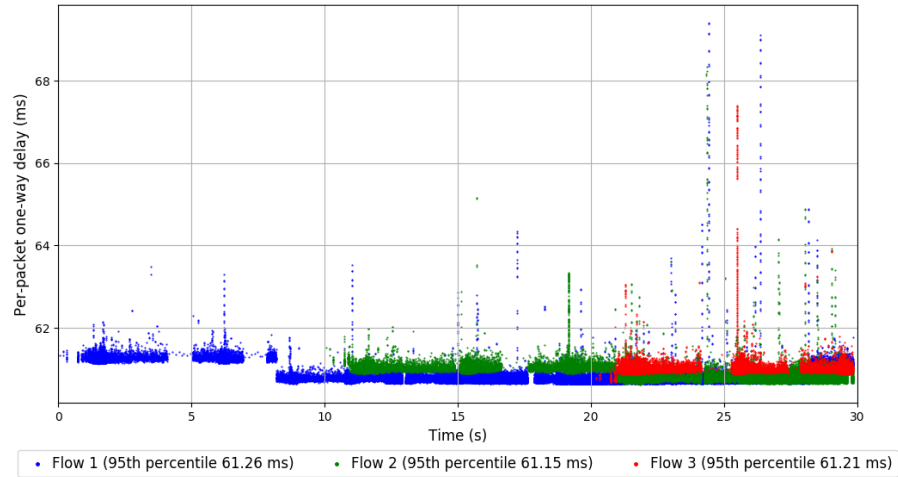
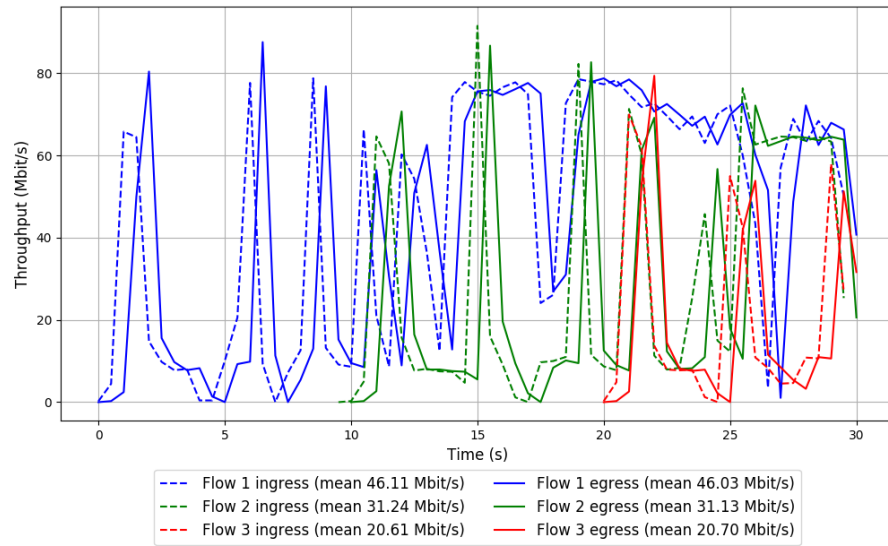
-- Flow 3:

Average throughput: 20.70 Mbit/s

95th percentile per-packet one-way delay: 61.209 ms

Loss rate: 0.79%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-01 06:07:16

End at: 2018-07-01 06:07:46

Local clock offset: -0.102 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-01 10:29:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.26 Mbit/s

95th percentile per-packet one-way delay: 61.427 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 47.78 Mbit/s

95th percentile per-packet one-way delay: 61.462 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 31.09 Mbit/s

95th percentile per-packet one-way delay: 61.240 ms

Loss rate: 0.25%

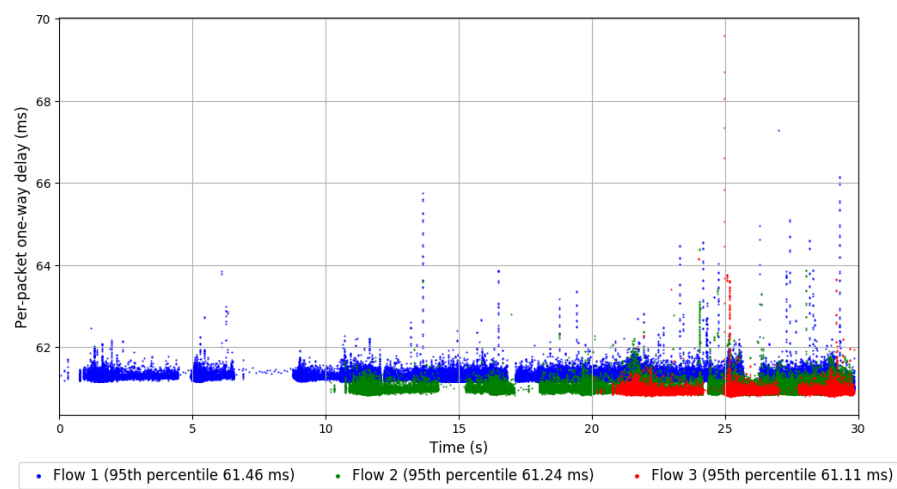
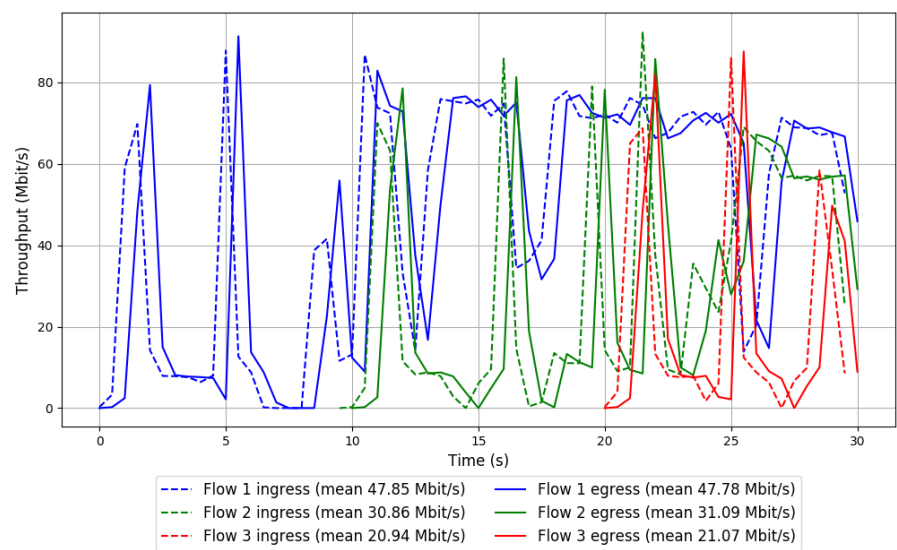
-- Flow 3:

Average throughput: 21.07 Mbit/s

95th percentile per-packet one-way delay: 61.110 ms

Loss rate: 0.59%

Run 6: Report of QUIC Cubic — Data Link

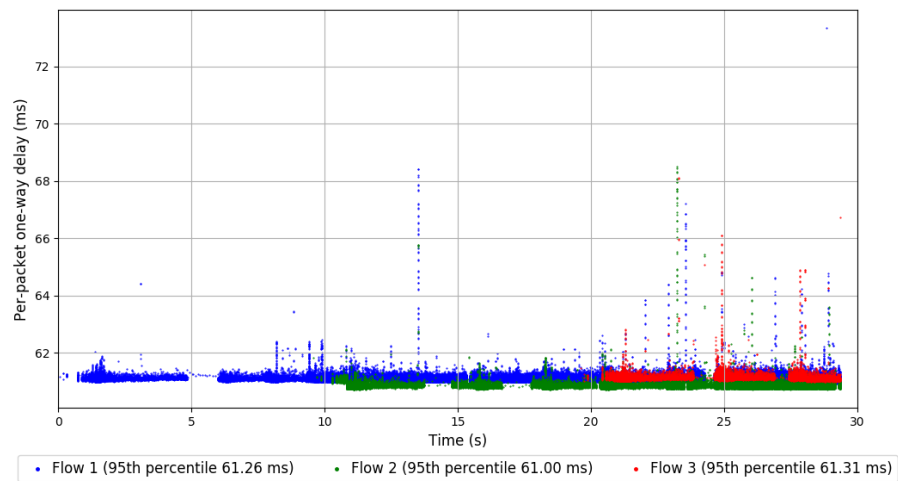
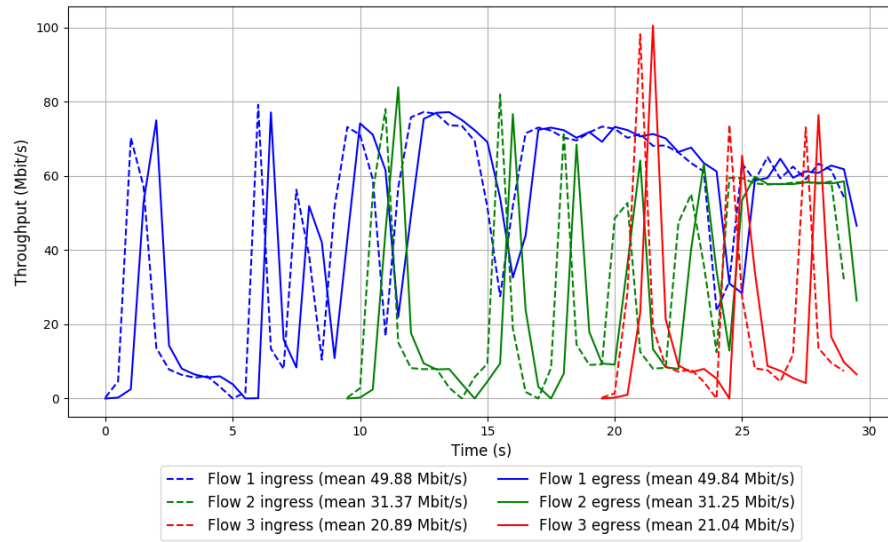


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-01 06:32:36
End at: 2018-07-01 06:33:06
Local clock offset: -0.063 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-01 10:29:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.92 Mbit/s
95th percentile per-packet one-way delay: 61.242 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 49.84 Mbit/s
95th percentile per-packet one-way delay: 61.255 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 31.25 Mbit/s
95th percentile per-packet one-way delay: 61.002 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 21.04 Mbit/s
95th percentile per-packet one-way delay: 61.314 ms
Loss rate: 0.49%

Run 7: Report of QUIC Cubic — Data Link

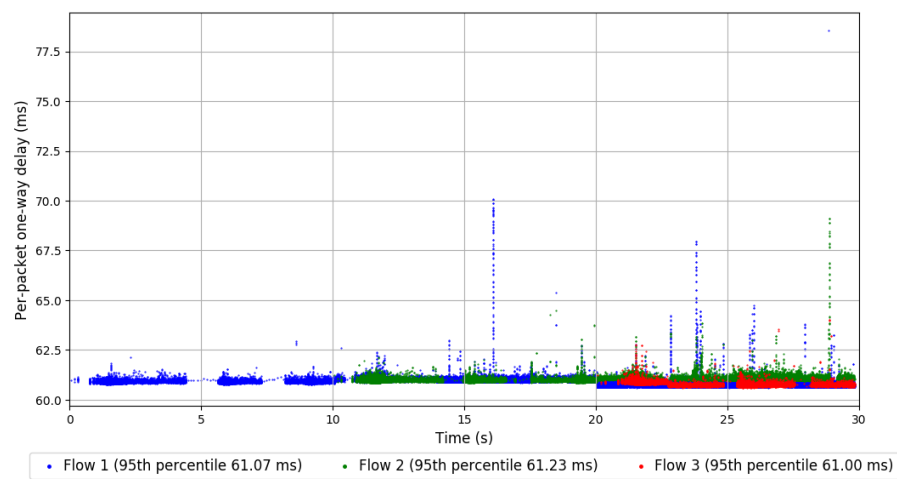
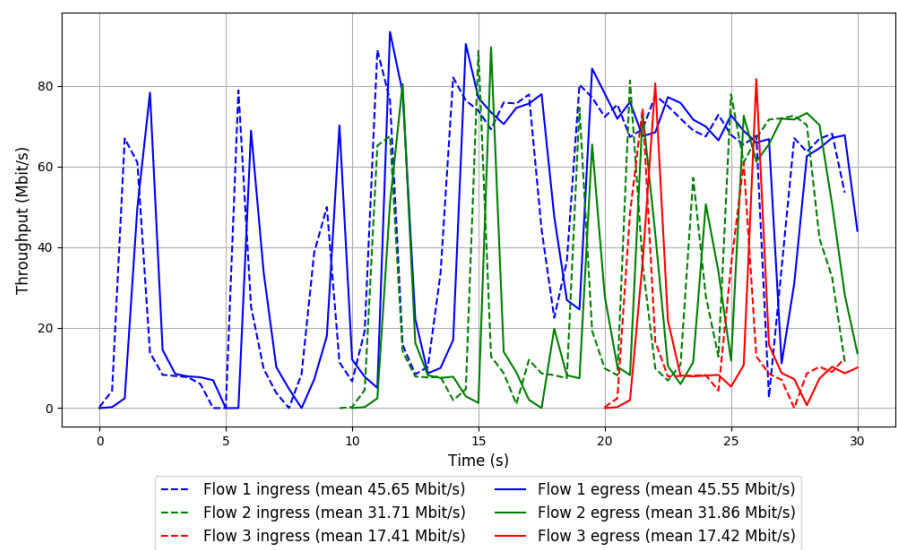


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-01 06:57:45
End at: 2018-07-01 06:58:15
Local clock offset: -0.076 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-01 10:29:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.42 Mbit/s
95th percentile per-packet one-way delay: 61.147 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 45.55 Mbit/s
95th percentile per-packet one-way delay: 61.067 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 61.232 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 17.42 Mbit/s
95th percentile per-packet one-way delay: 60.996 ms
Loss rate: 1.17%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-01 07:22:42

End at: 2018-07-01 07:23:12

Local clock offset: -0.134 ms

Remote clock offset: -0.48 ms

Below is generated by plot.py at 2018-07-01 10:29:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.28 Mbit/s

95th percentile per-packet one-way delay: 61.747 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 44.12 Mbit/s

95th percentile per-packet one-way delay: 61.595 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 33.77 Mbit/s

95th percentile per-packet one-way delay: 61.848 ms

Loss rate: 0.97%

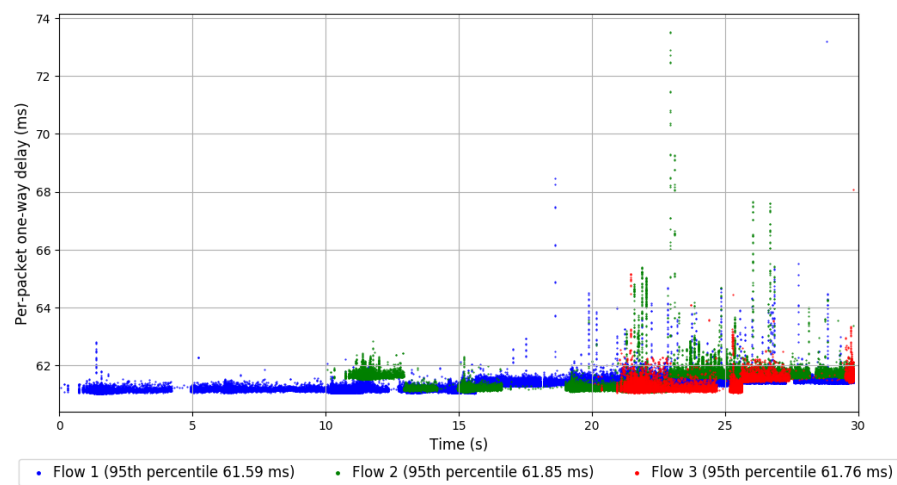
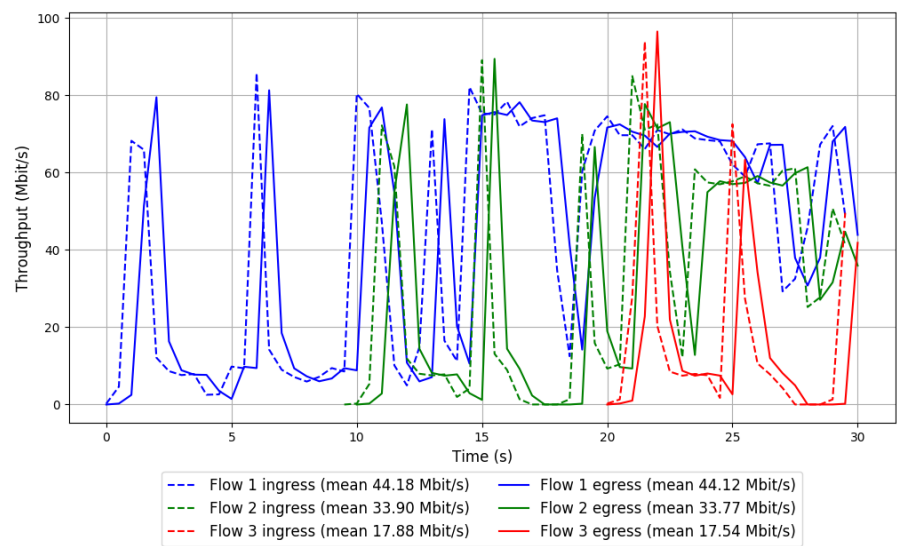
-- Flow 3:

Average throughput: 17.54 Mbit/s

95th percentile per-packet one-way delay: 61.755 ms

Loss rate: 2.53%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-01 07:47:36

End at: 2018-07-01 07:48:06

Local clock offset: -0.158 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-01 10:29:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.59 Mbit/s

95th percentile per-packet one-way delay: 61.161 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 48.18 Mbit/s

95th percentile per-packet one-way delay: 61.021 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 28.05 Mbit/s

95th percentile per-packet one-way delay: 61.029 ms

Loss rate: 1.13%

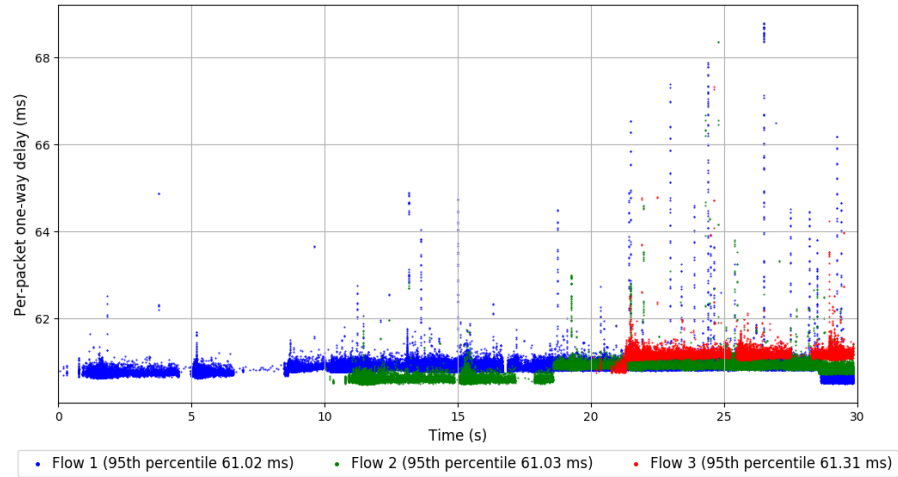
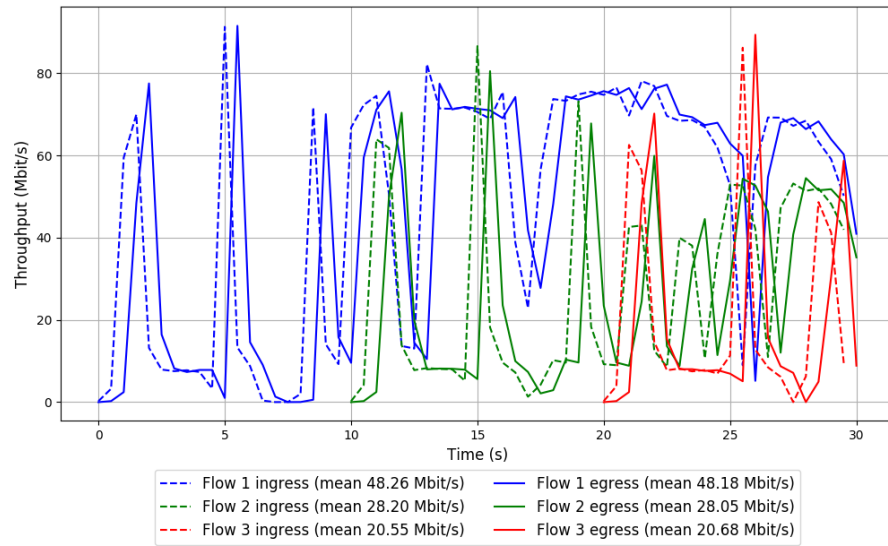
-- Flow 3:

Average throughput: 20.68 Mbit/s

95th percentile per-packet one-way delay: 61.312 ms

Loss rate: 0.63%

Run 10: Report of QUIC Cubic — Data Link

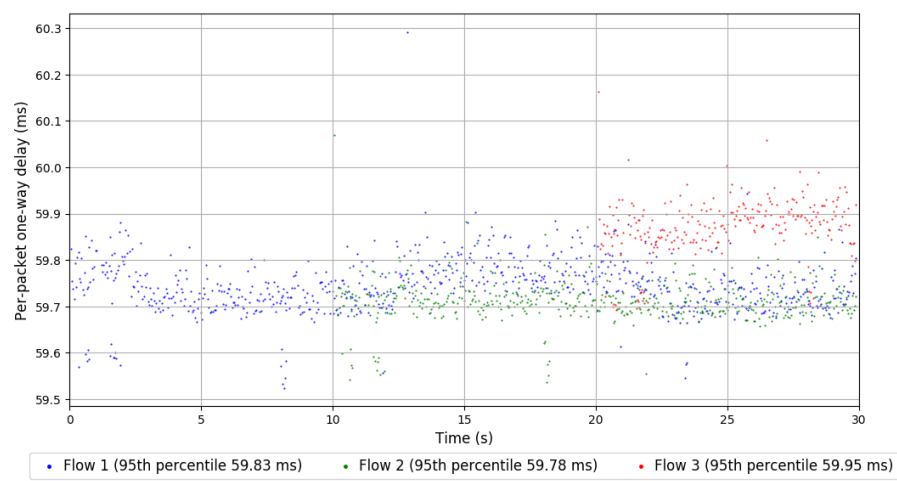
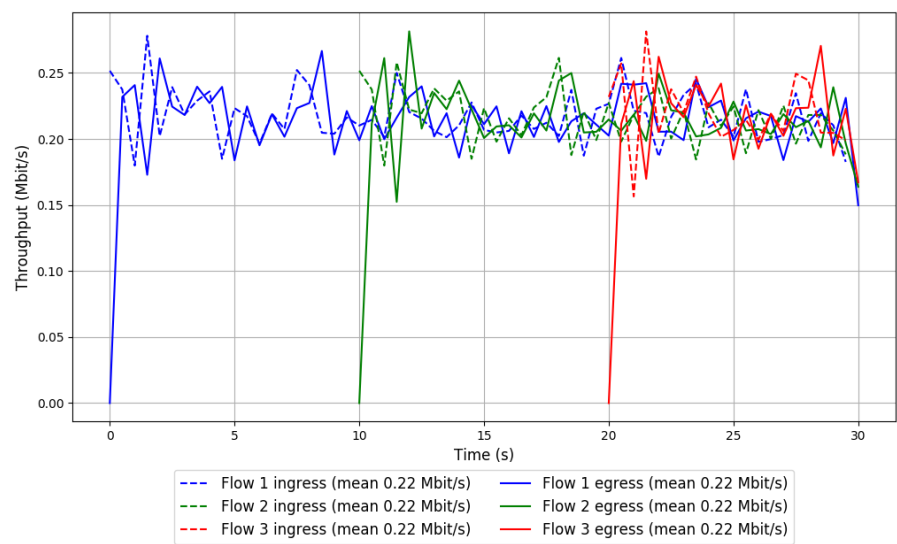


```
Run 1: Statistics of SReAM

Start at: 2018-07-01 04:11:15
End at: 2018-07-01 04:11:45
Local clock offset: -0.069 ms
Remote clock offset: 1.309 ms

# Below is generated by plot.py at 2018-07-01 10:29:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 59.902 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.833 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.776 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.947 ms
Loss rate: 1.08%
```

Run 1: Report of SReAM — Data Link

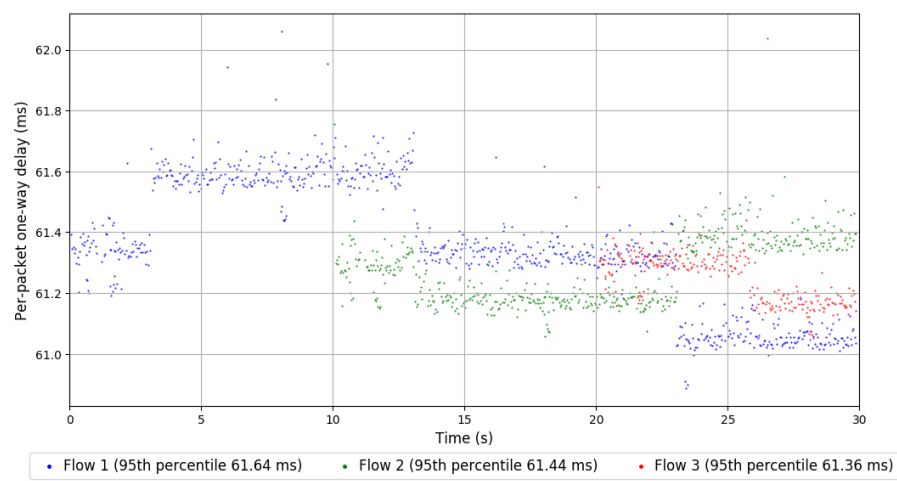
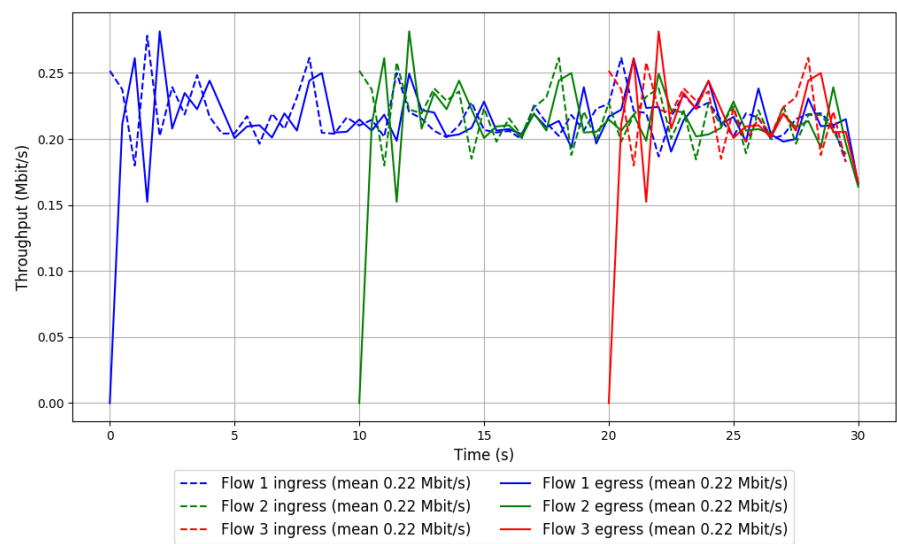


Run 2: Statistics of SReAM

Start at: 2018-07-01 04:36:02
End at: 2018-07-01 04:36:32
Local clock offset: -0.109 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-07-01 10:29:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.617 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.640 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.442 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.357 ms
Loss rate: 1.08%

Run 2: Report of SReAM — Data Link

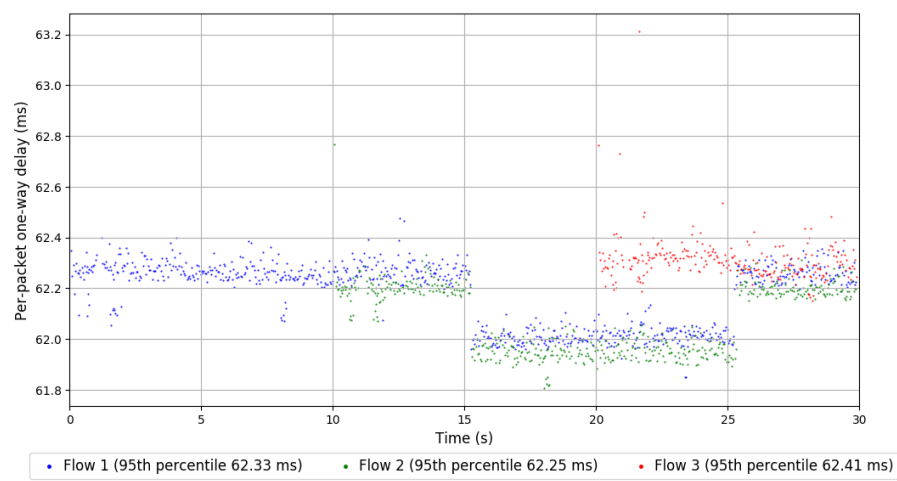
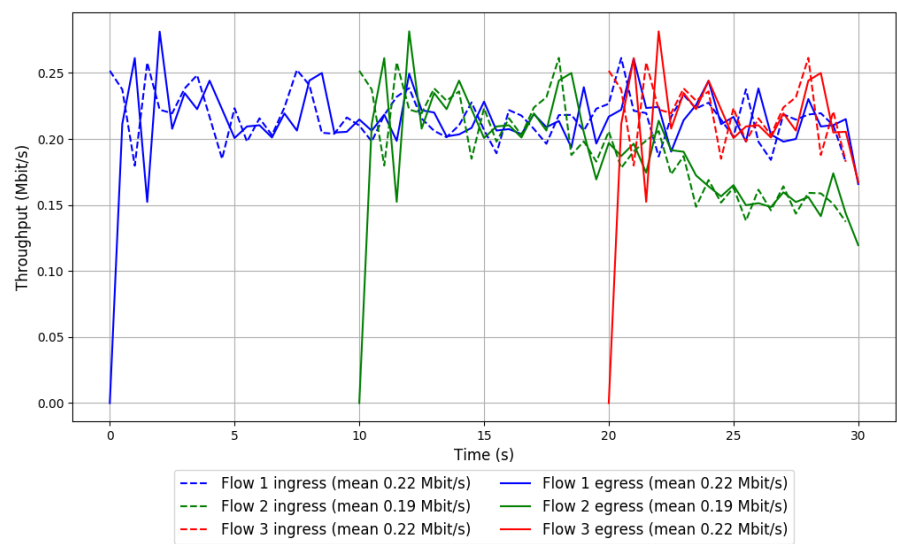


Run 3: Statistics of SCReAM

Start at: 2018-07-01 05:00:30
End at: 2018-07-01 05:01:00
Local clock offset: 0.036 ms
Remote clock offset: -1.144 ms

Below is generated by plot.py at 2018-07-01 10:29:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 62.340 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.330 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 62.249 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.413 ms
Loss rate: 1.08%

Run 3: Report of SReAM — Data Link

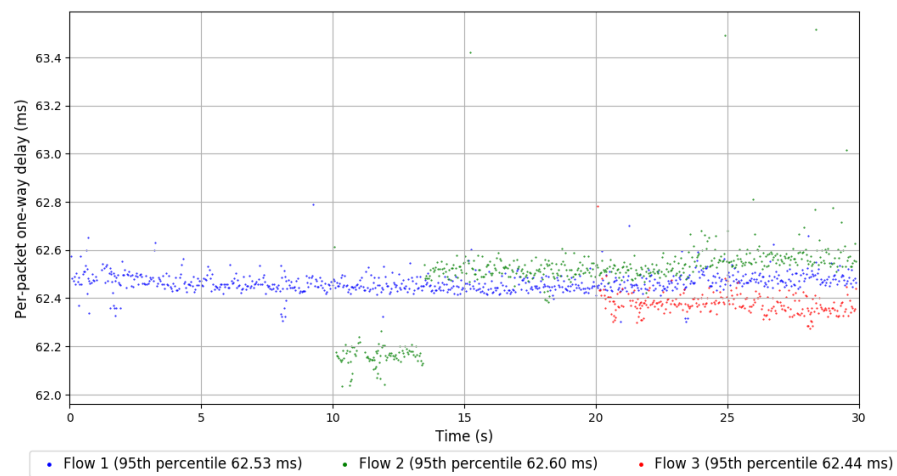
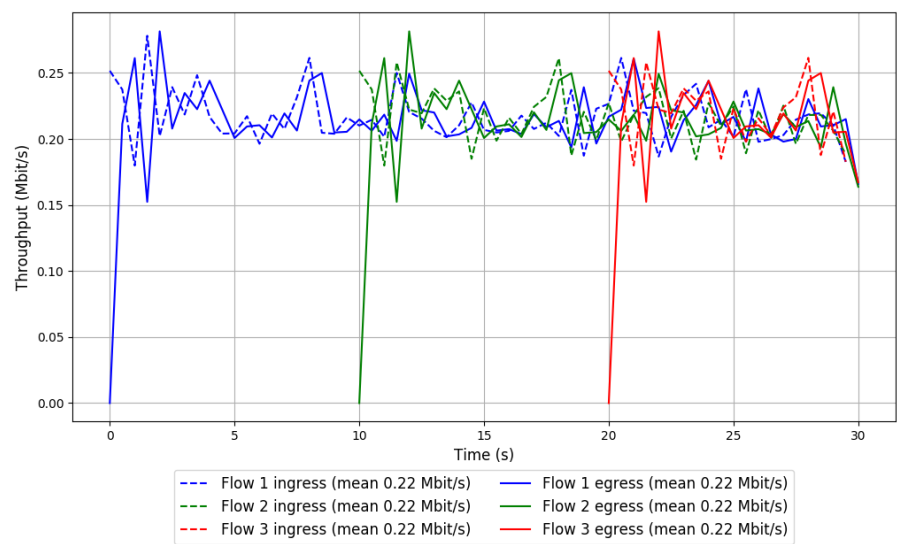


Run 4: Statistics of SReAM

Start at: 2018-07-01 05:25:11
End at: 2018-07-01 05:25:41
Local clock offset: -0.034 ms
Remote clock offset: -1.298 ms

Below is generated by plot.py at 2018-07-01 10:29:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 62.579 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.526 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.605 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.436 ms
Loss rate: 1.08%

Run 4: Report of SCReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-07-01 05:49:39

End at: 2018-07-01 05:50:09

Local clock offset: -0.084 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-01 10:29:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 61.440 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.477 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.274 ms

Loss rate: 0.61%

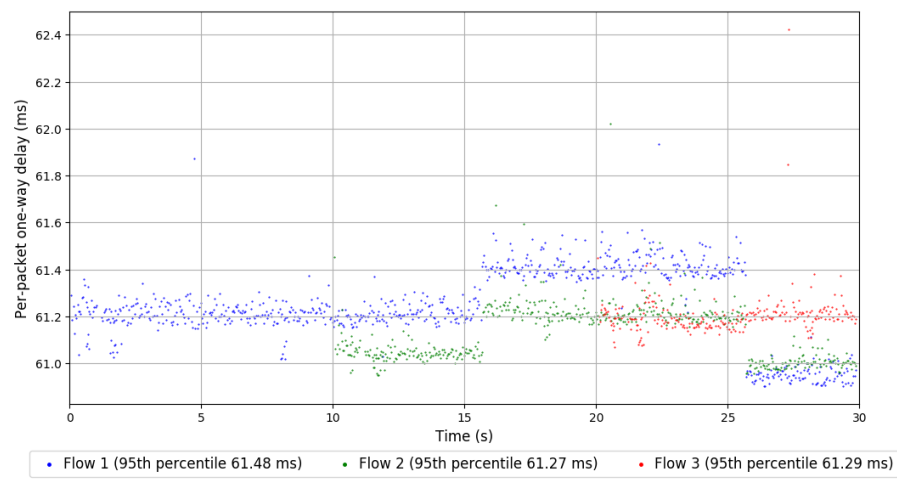
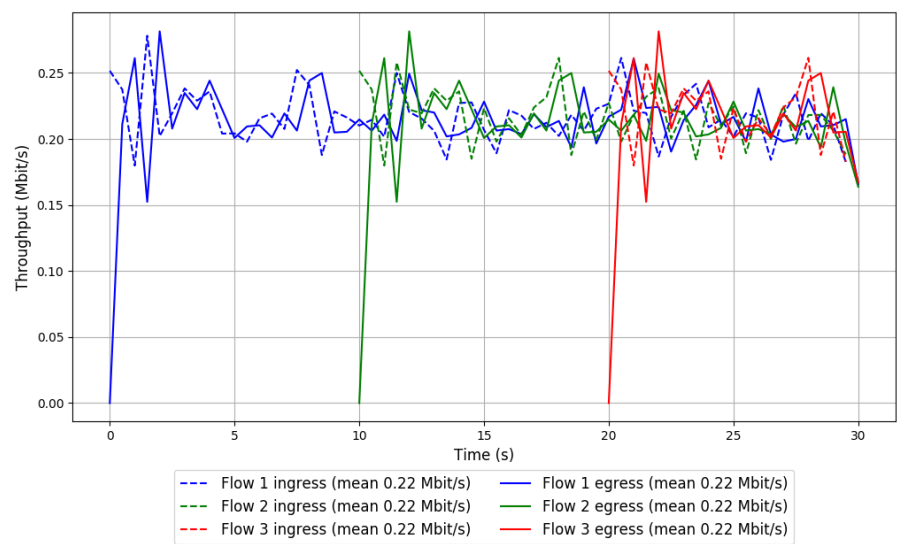
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.290 ms

Loss rate: 1.08%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-07-01 06:14:34

End at: 2018-07-01 06:15:04

Local clock offset: -0.101 ms

Remote clock offset: 0.132 ms

Below is generated by plot.py at 2018-07-01 10:29:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 61.369 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.415 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.094 ms

Loss rate: 0.61%

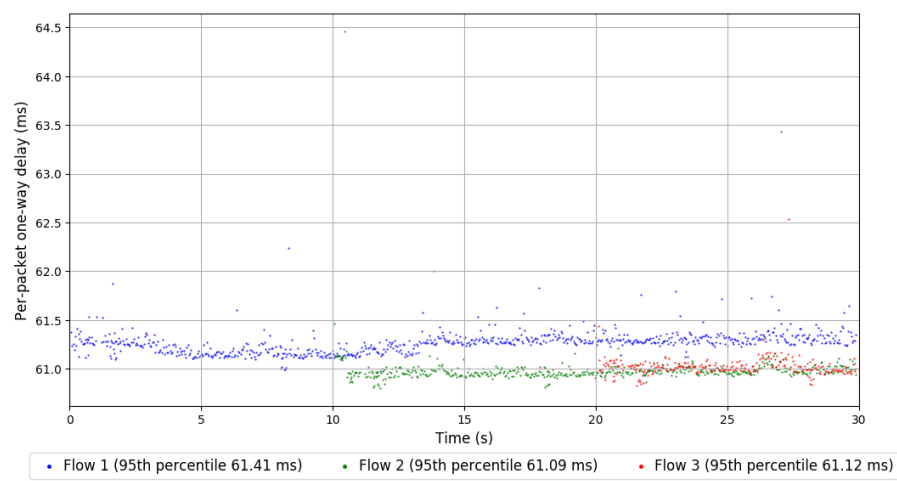
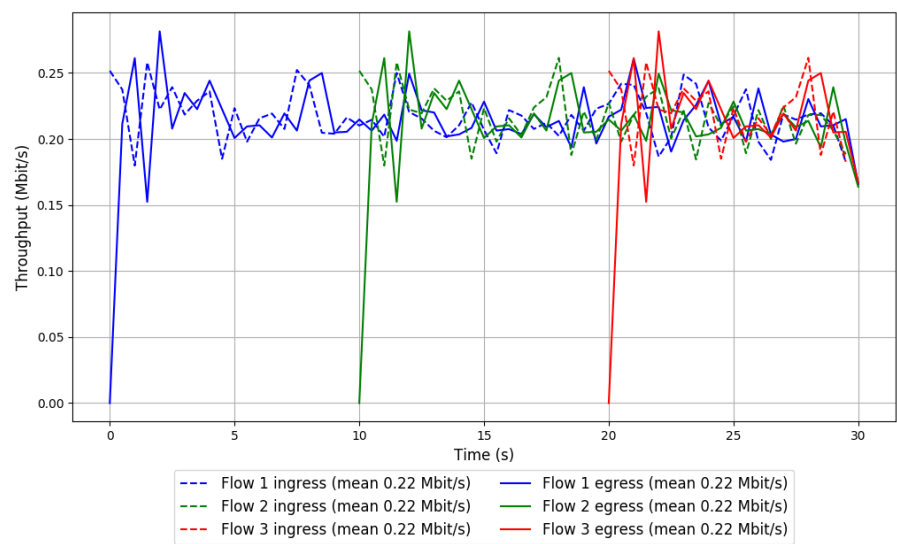
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.125 ms

Loss rate: 1.08%

Run 6: Report of SReAM — Data Link

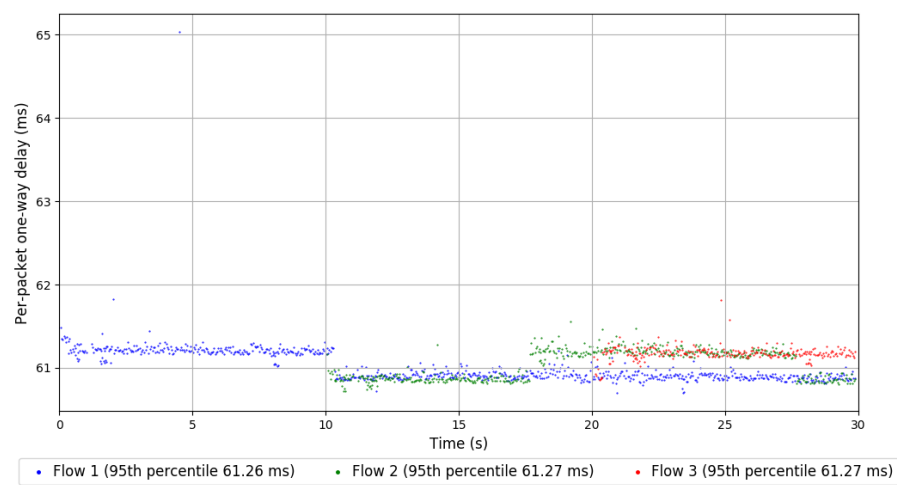
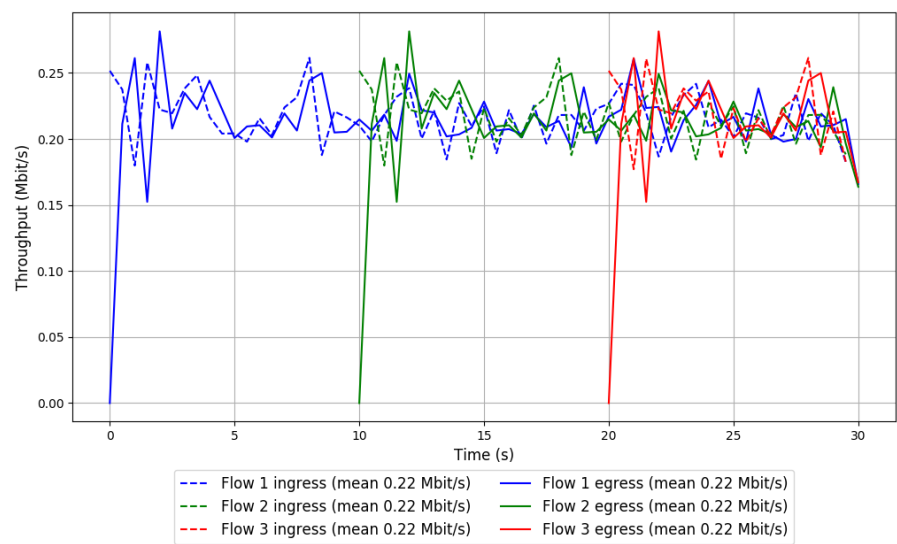


Run 7: Statistics of SReAM

Start at: 2018-07-01 06:39:57
End at: 2018-07-01 06:40:27
Local clock offset: -0.008 ms
Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-01 10:29:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.267 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.259 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.272 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.272 ms
Loss rate: 1.08%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-07-01 07:04:44

End at: 2018-07-01 07:05:14

Local clock offset: -0.106 ms

Remote clock offset: 1.051 ms

Below is generated by plot.py at 2018-07-01 10:29:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 60.145 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.128 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.186 ms

Loss rate: 0.61%

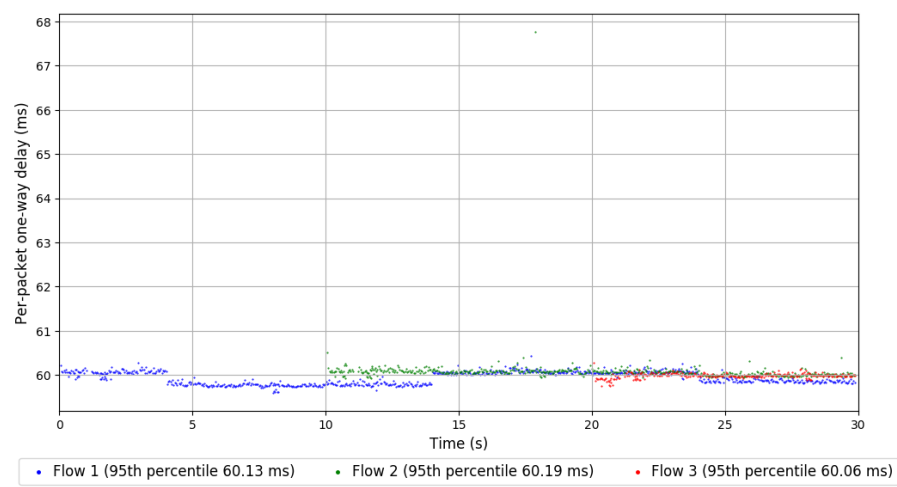
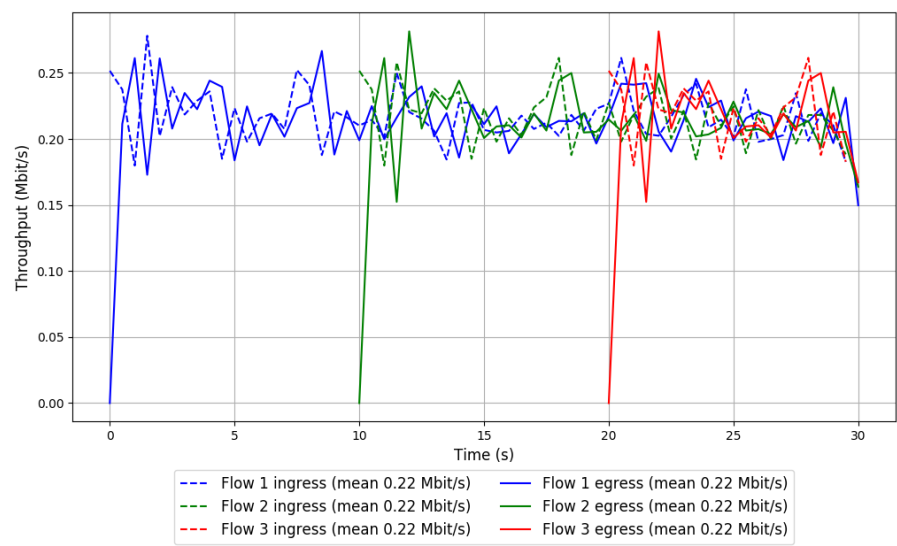
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.065 ms

Loss rate: 1.08%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-07-01 07:29:45

End at: 2018-07-01 07:30:15

Local clock offset: -0.094 ms

Remote clock offset: 0.117 ms

Below is generated by plot.py at 2018-07-01 10:29:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 61.216 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.144 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.265 ms

Loss rate: 0.61%

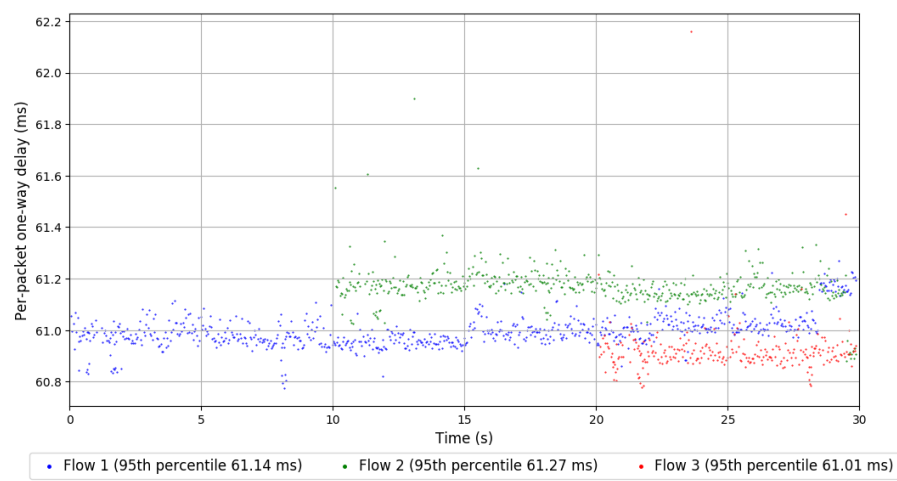
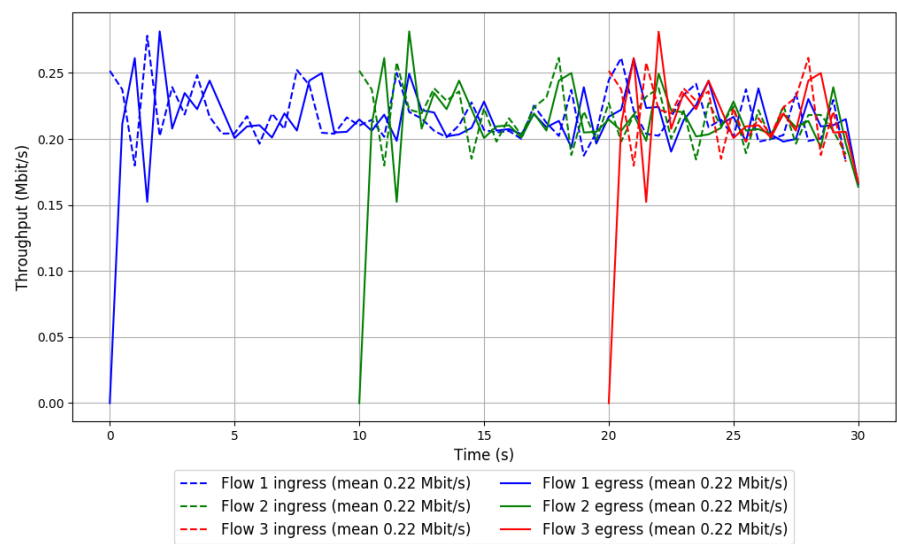
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.008 ms

Loss rate: 1.08%

Run 9: Report of SCReAM — Data Link

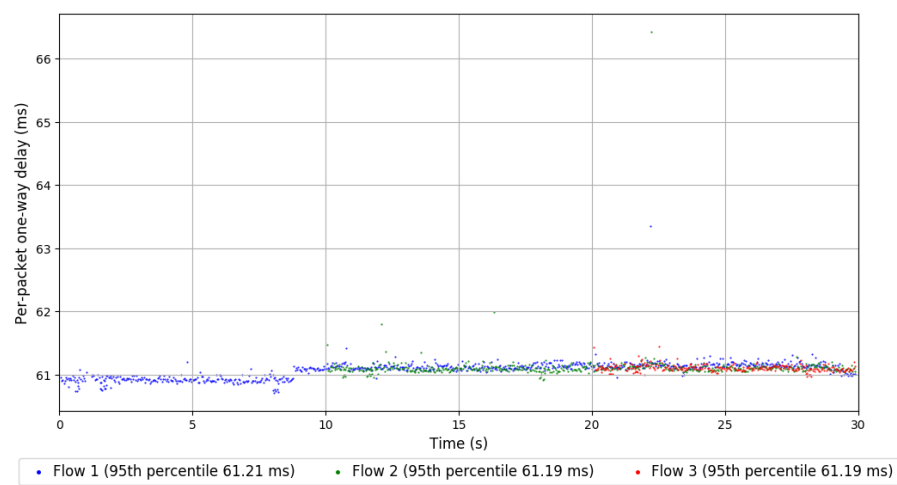
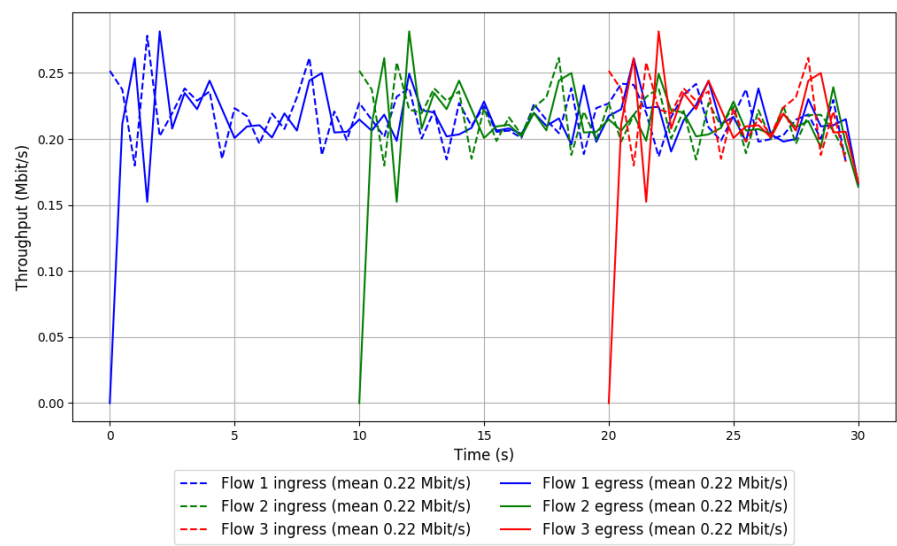


Run 10: Statistics of SReAM

Start at: 2018-07-01 07:54:39
End at: 2018-07-01 07:55:09
Local clock offset: -0.053 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-01 10:29:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.200 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.209 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.188 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.190 ms
Loss rate: 1.08%

Run 10: Report of SReAM — Data Link

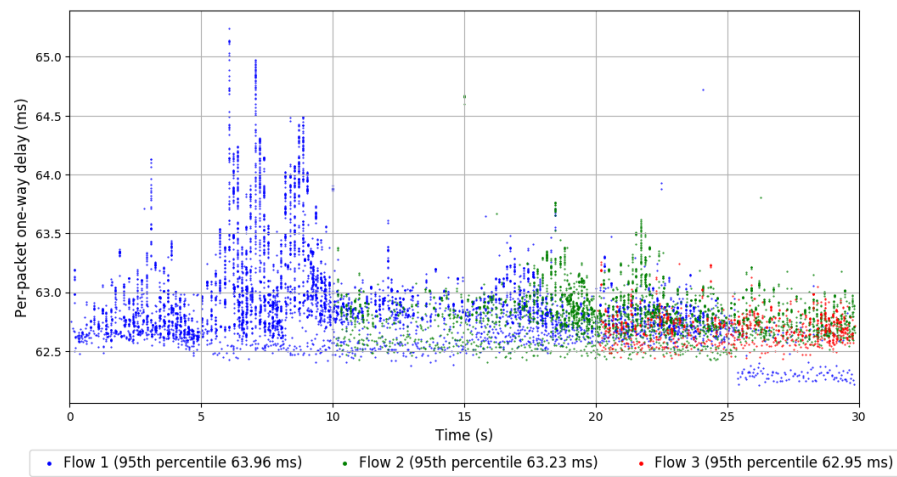
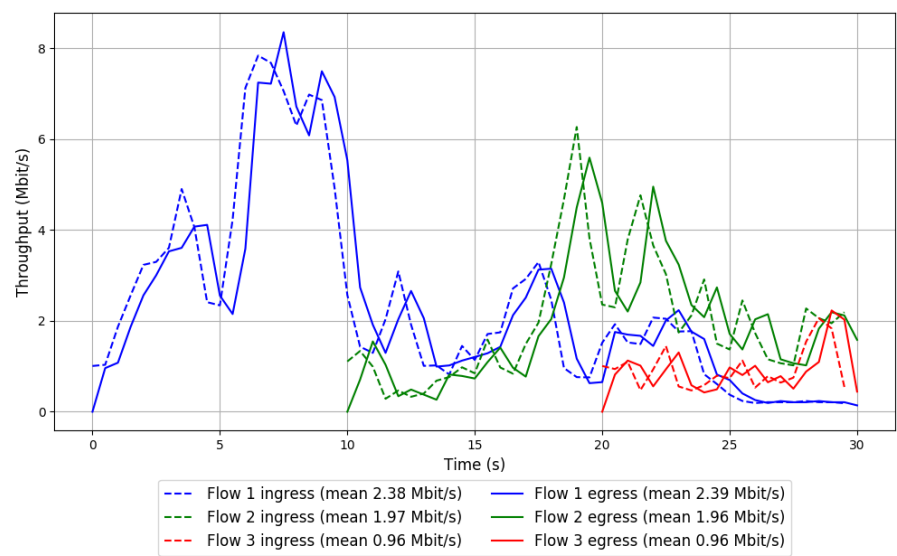


Run 1: Statistics of Sprout

Start at: 2018-07-01 04:18:09
End at: 2018-07-01 04:18:39
Local clock offset: -0.088 ms
Remote clock offset: -1.427 ms

Below is generated by plot.py at 2018-07-01 10:29:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 63.741 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 63.956 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 63.234 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 62.949 ms
Loss rate: 0.98%

Run 1: Report of Sprout — Data Link

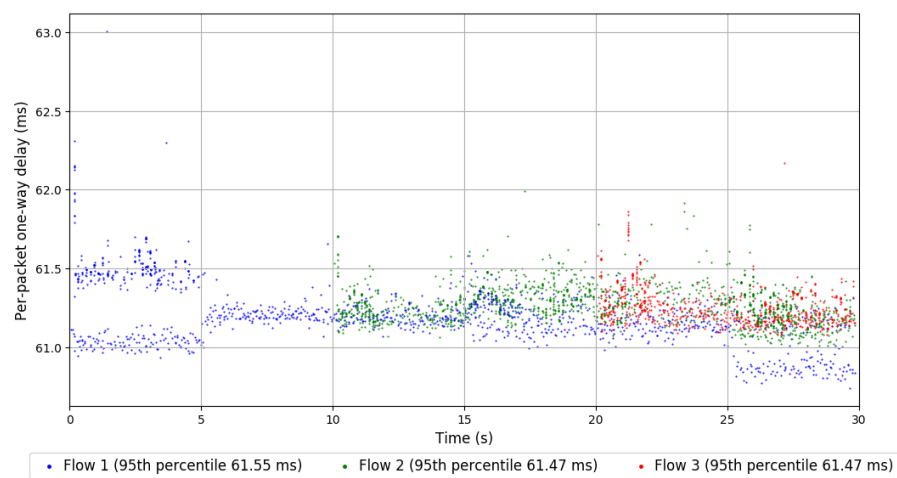
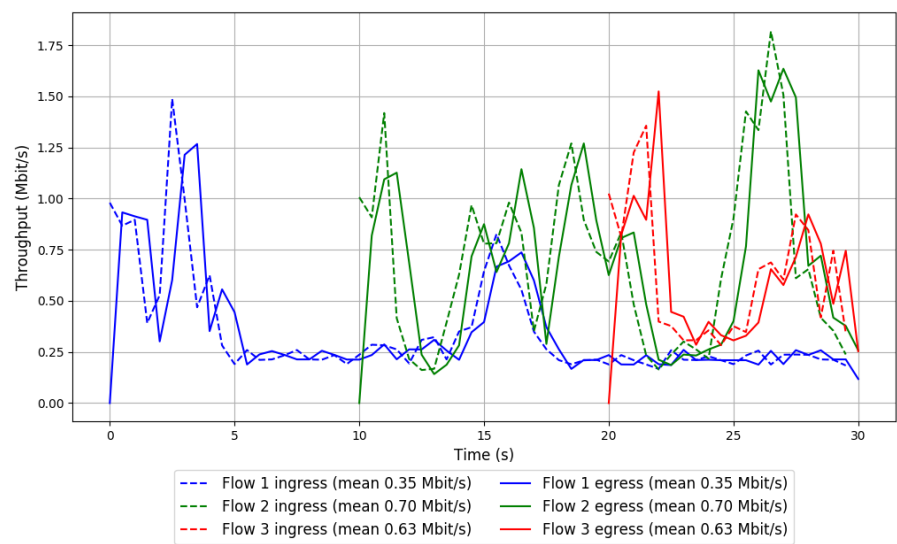


Run 2: Statistics of Sprout

Start at: 2018-07-01 04:42:52
End at: 2018-07-01 04:43:22
Local clock offset: -0.022 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-01 10:29:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 61.505 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 61.545 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 61.465 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 61.466 ms
Loss rate: 0.74%

Run 2: Report of Sprout — Data Link

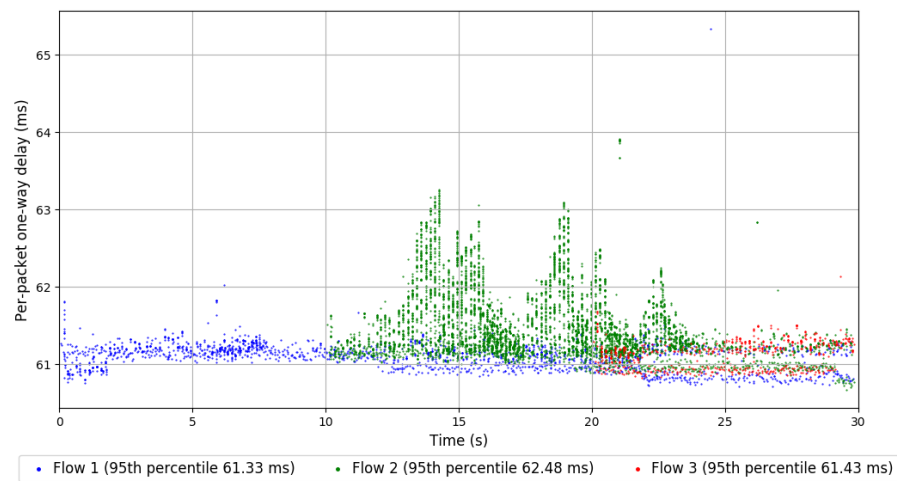
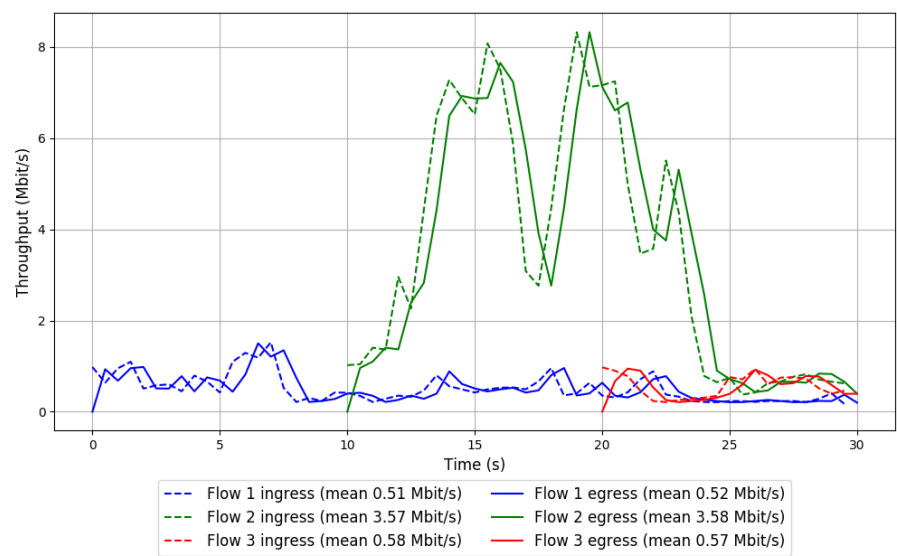


Run 3: Statistics of Sprout

Start at: 2018-07-01 05:07:16
End at: 2018-07-01 05:07:46
Local clock offset: 0.029 ms
Remote clock offset: -0.042 ms

```
# Below is generated by plot.py at 2018-07-01 10:29:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.08 Mbit/s
95th percentile per-packet one-way delay: 62.390 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 61.326 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 62.484 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 61.432 ms
Loss rate: 1.61%
```

Run 3: Report of Sprout — Data Link

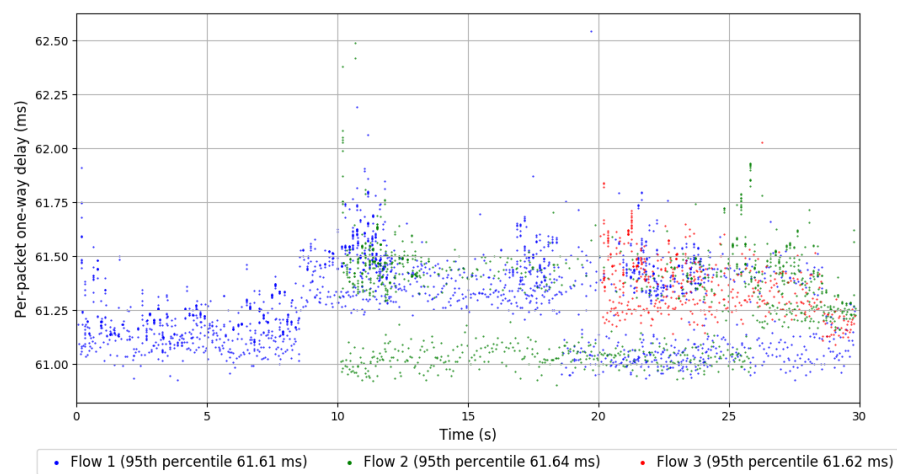
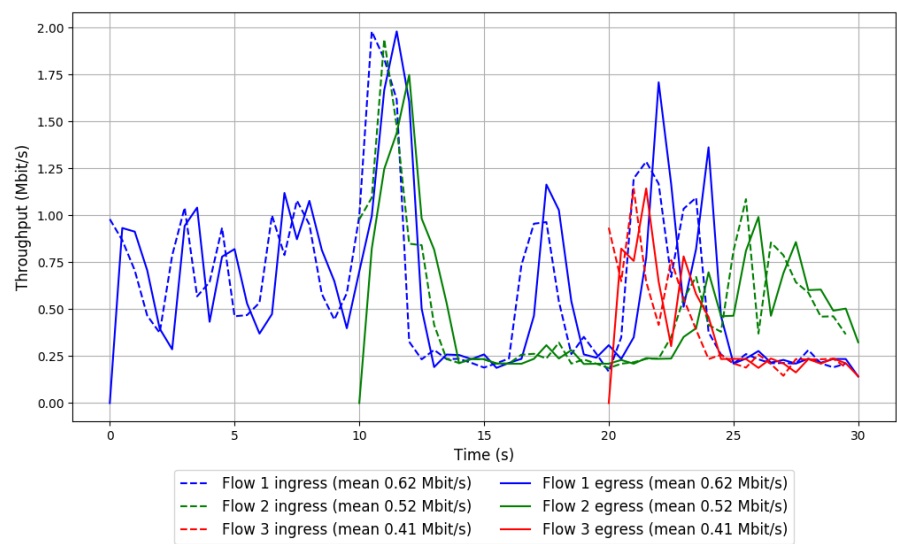


Run 4: Statistics of Sprout

Start at: 2018-07-01 05:31:59
End at: 2018-07-01 05:32:29
Local clock offset: -0.028 ms
Remote clock offset: -0.125 ms

```
# Below is generated by plot.py at 2018-07-01 10:29:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 61.618 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 61.606 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 61.642 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 61.615 ms
Loss rate: 1.15%
```

Run 4: Report of Sprout — Data Link

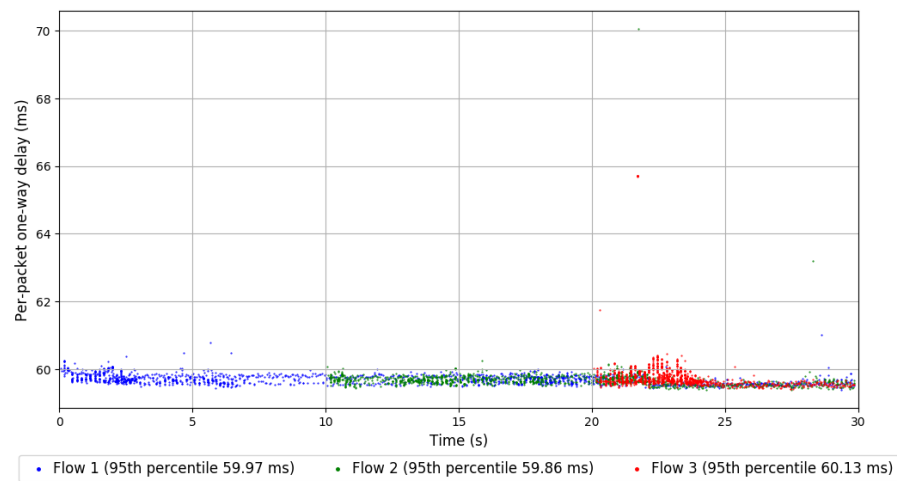
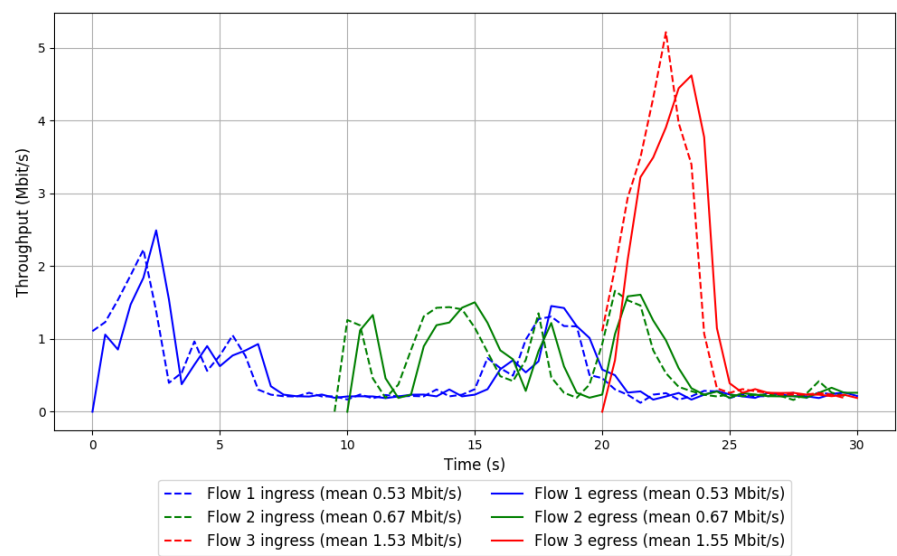


Run 5: Statistics of Sprout

Start at: 2018-07-01 05:56:33
End at: 2018-07-01 05:57:03
Local clock offset: -0.065 ms
Remote clock offset: 1.369 ms

Below is generated by plot.py at 2018-07-01 10:29:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 60.018 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 59.971 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 59.862 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 60.135 ms
Loss rate: 0.16%

Run 5: Report of Sprout — Data Link

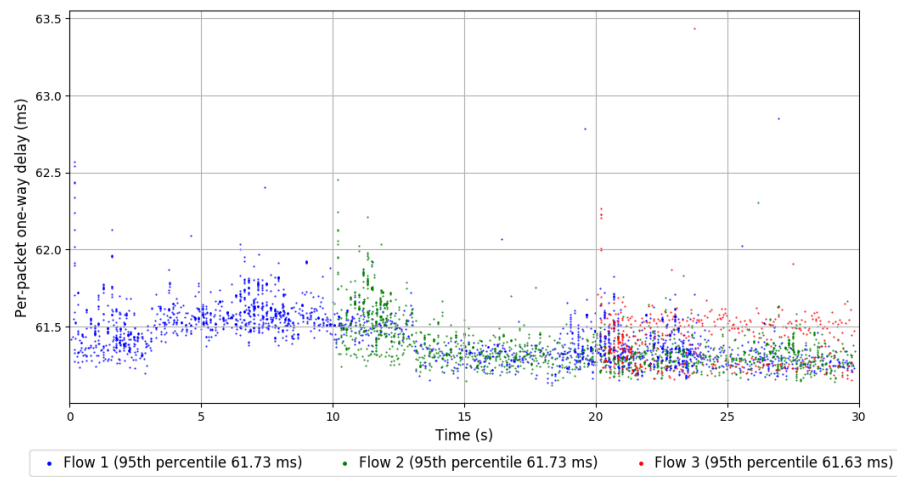
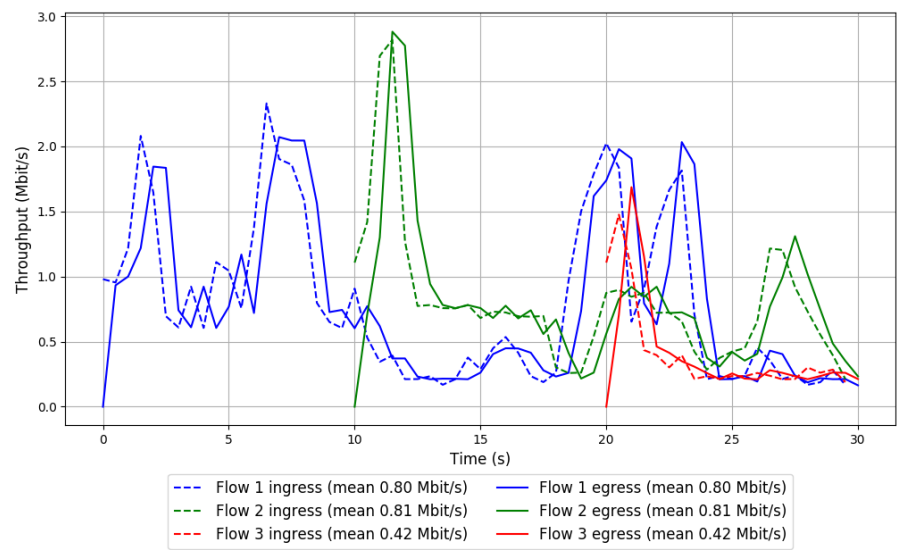


Run 6: Statistics of Sprout

Start at: 2018-07-01 06:21:25
End at: 2018-07-01 06:21:55
Local clock offset: -0.082 ms
Remote clock offset: -0.202 ms

Below is generated by plot.py at 2018-07-01 10:29:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 61.723 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 61.728 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 61.735 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 61.626 ms
Loss rate: 0.84%

Run 6: Report of Sprout — Data Link

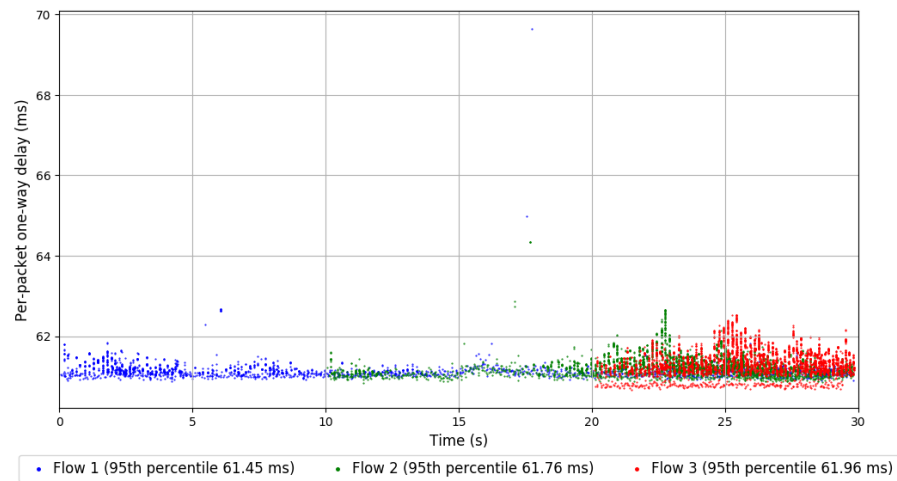
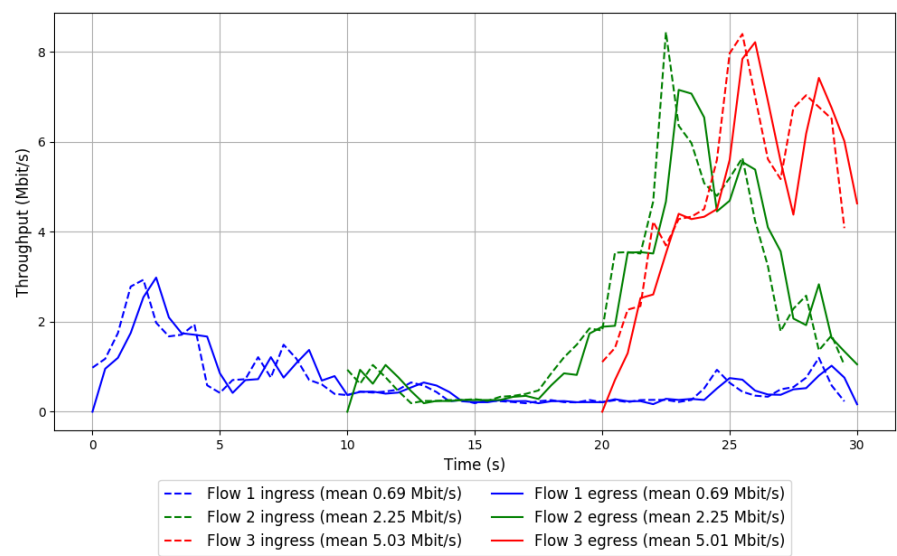


Run 7: Statistics of Sprout

Start at: 2018-07-01 06:46:45
End at: 2018-07-01 06:47:15
Local clock offset: -0.007 ms
Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-07-01 10:29:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 61.823 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 61.451 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 61.763 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 5.01 Mbit/s
95th percentile per-packet one-way delay: 61.956 ms
Loss rate: 1.40%

Run 7: Report of Sprout — Data Link

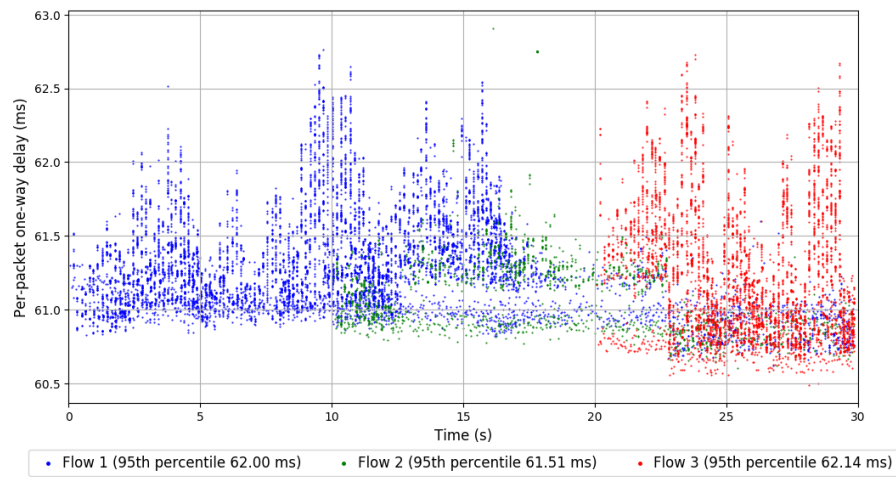
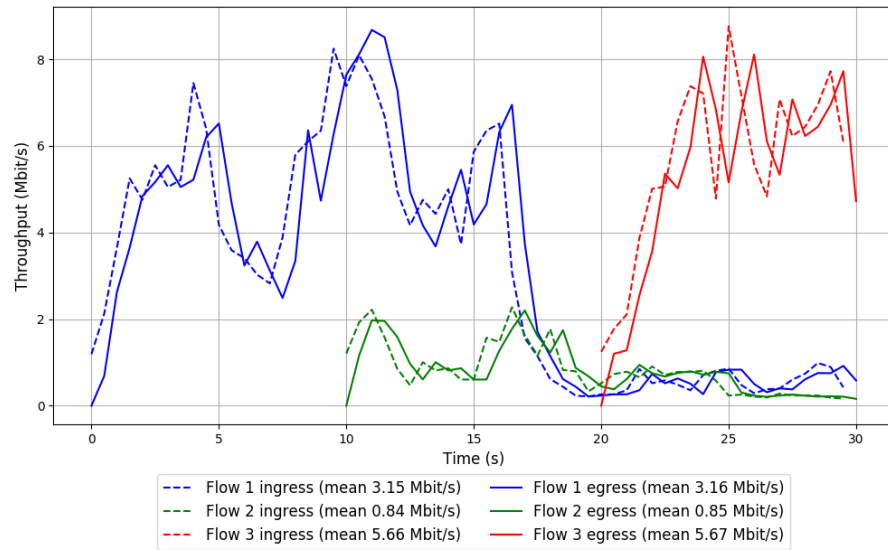


Run 8: Statistics of Sprout

Start at: 2018-07-01 07:11:35
End at: 2018-07-01 07:12:05
Local clock offset: -0.127 ms
Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-07-01 10:29:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.58 Mbit/s
95th percentile per-packet one-way delay: 62.040 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 62.004 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 61.514 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 5.67 Mbit/s
95th percentile per-packet one-way delay: 62.142 ms
Loss rate: 1.22%

Run 8: Report of Sprout — Data Link

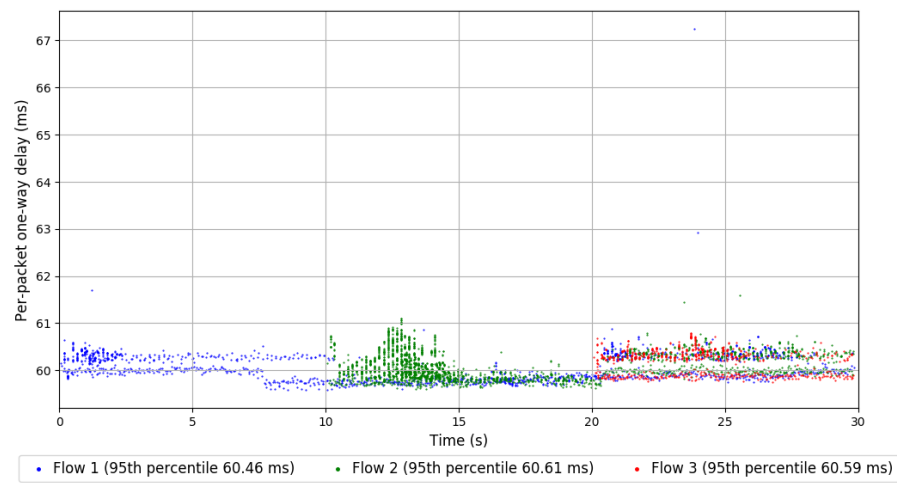
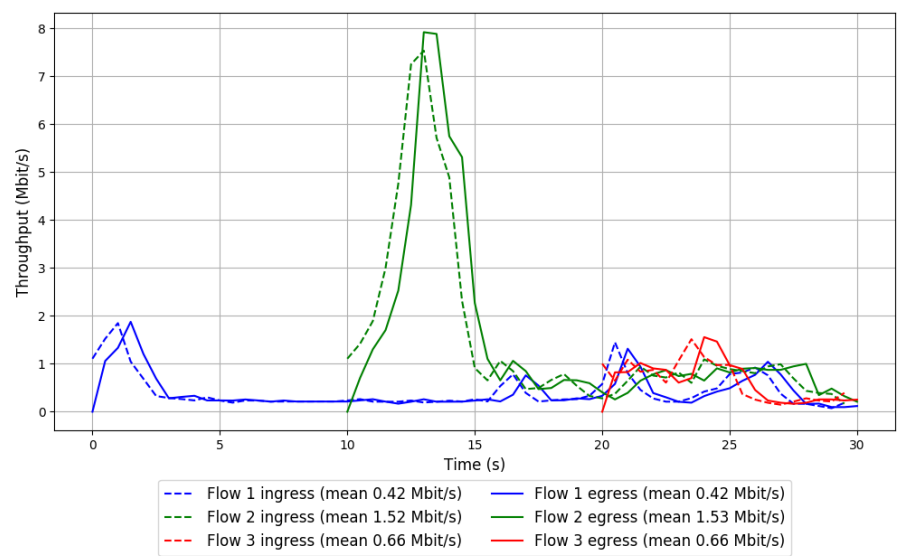


Run 9: Statistics of Sprout

Start at: 2018-07-01 07:36:37
End at: 2018-07-01 07:37:07
Local clock offset: -0.14 ms
Remote clock offset: 1.001 ms

Below is generated by plot.py at 2018-07-01 10:29:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 60.563 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 60.461 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 60.611 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 60.591 ms
Loss rate: 1.09%

Run 9: Report of Sprout — Data Link

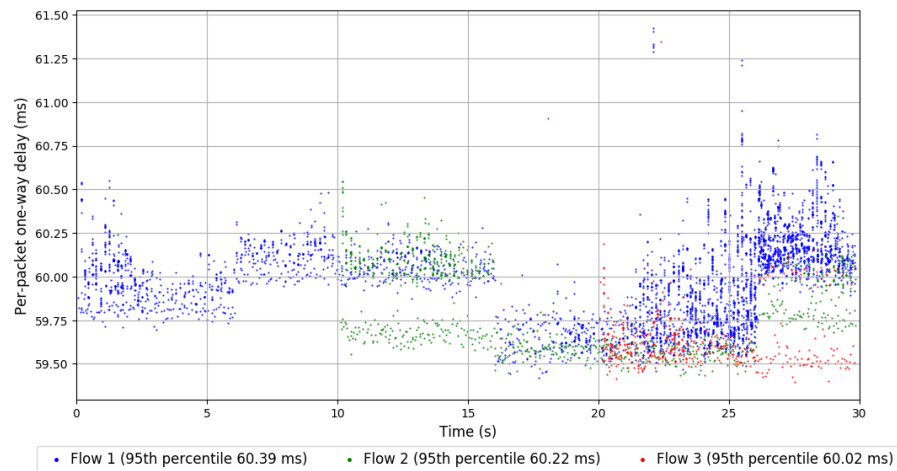
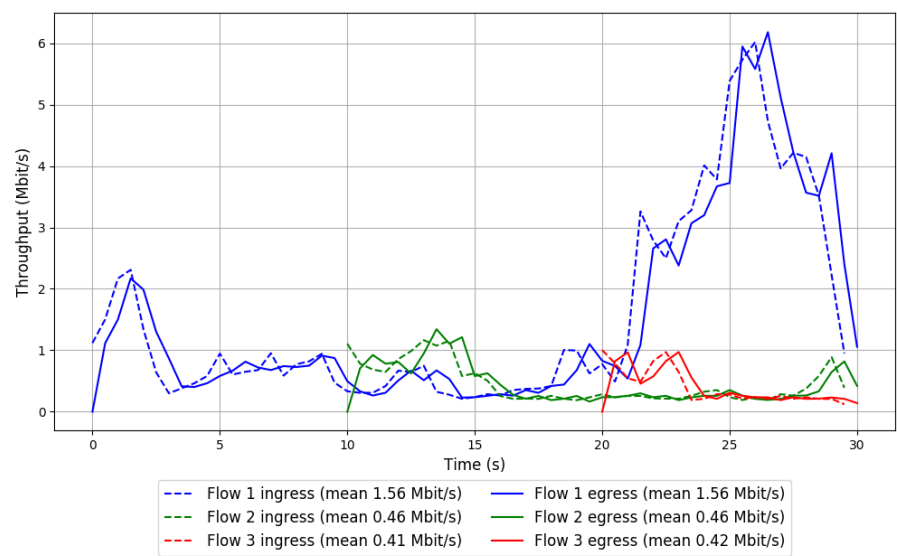


Run 10: Statistics of Sprout

Start at: 2018-07-01 08:01:52
End at: 2018-07-01 08:02:22
Local clock offset: -0.054 ms
Remote clock offset: 1.302 ms

Below is generated by plot.py at 2018-07-01 10:29:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 60.353 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 60.386 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 60.218 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 60.022 ms
Loss rate: 0.33%

Run 10: Report of Sprout — Data Link

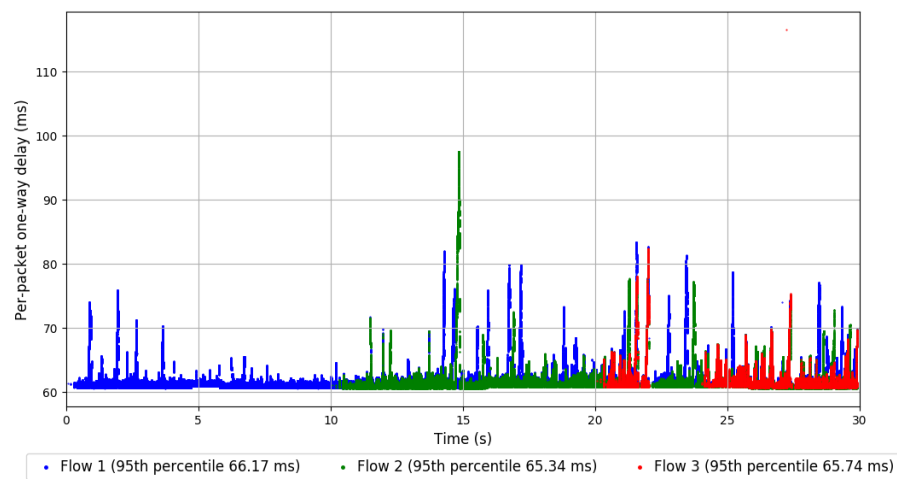
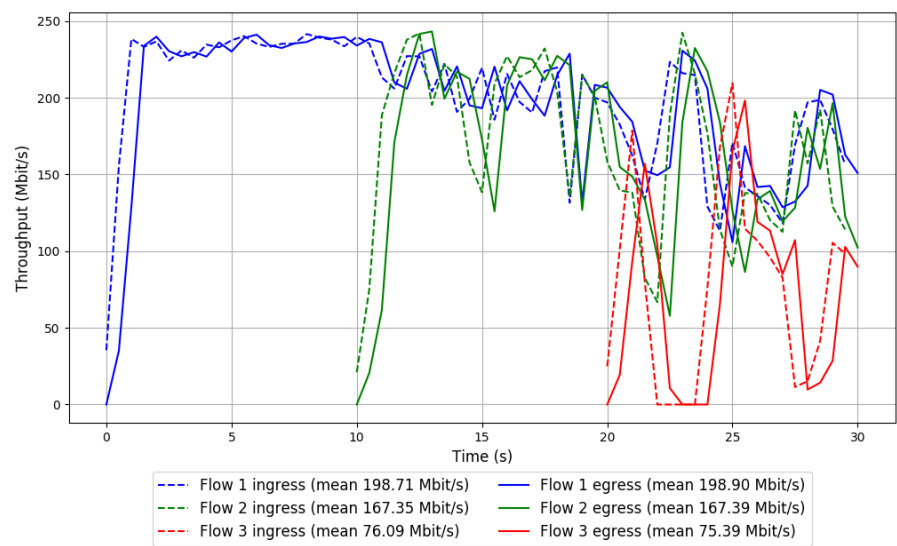


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-01 04:13:52
End at: 2018-07-01 04:14:22
Local clock offset: -0.1 ms
Remote clock offset: 0.09 ms

# Below is generated by plot.py at 2018-07-01 10:35:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 334.94 Mbit/s
95th percentile per-packet one-way delay: 65.815 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 198.90 Mbit/s
95th percentile per-packet one-way delay: 66.175 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 167.39 Mbit/s
95th percentile per-packet one-way delay: 65.340 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 75.39 Mbit/s
95th percentile per-packet one-way delay: 65.741 ms
Loss rate: 1.77%
```

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

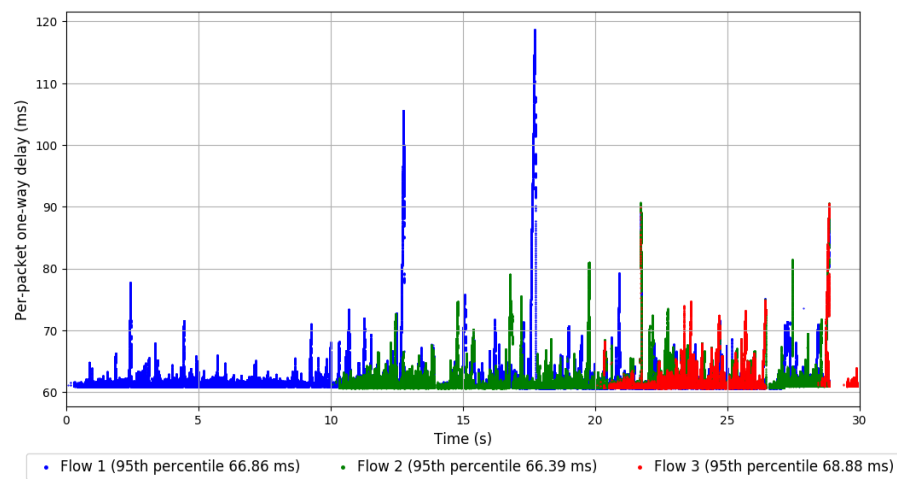
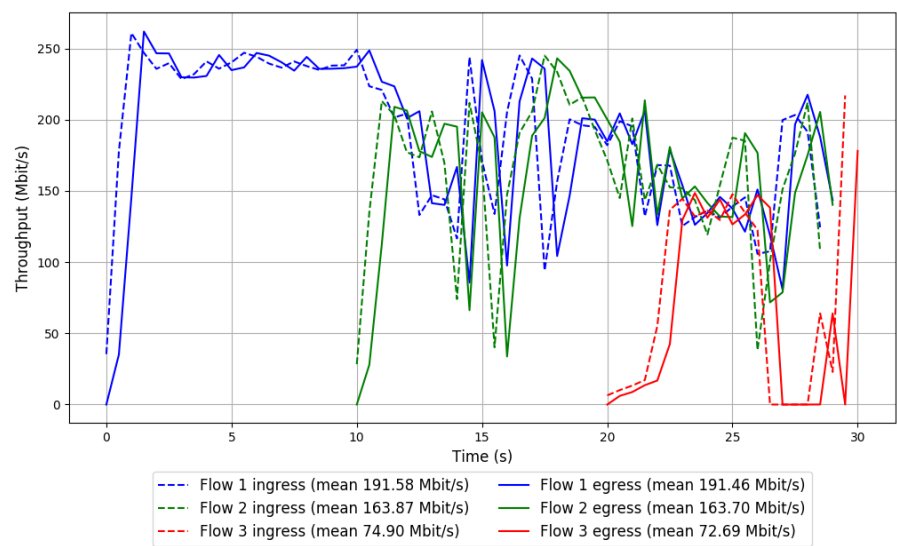


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-07-01 04:38:38
End at: 2018-07-01 04:39:08
Local clock offset: -0.038 ms
Remote clock offset: 0.082 ms

# Below is generated by plot.py at 2018-07-01 10:35:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 311.60 Mbit/s
95th percentile per-packet one-way delay: 66.866 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 191.46 Mbit/s
95th percentile per-packet one-way delay: 66.855 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 163.70 Mbit/s
95th percentile per-packet one-way delay: 66.395 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 72.69 Mbit/s
95th percentile per-packet one-way delay: 68.883 ms
Loss rate: 4.15%
```

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

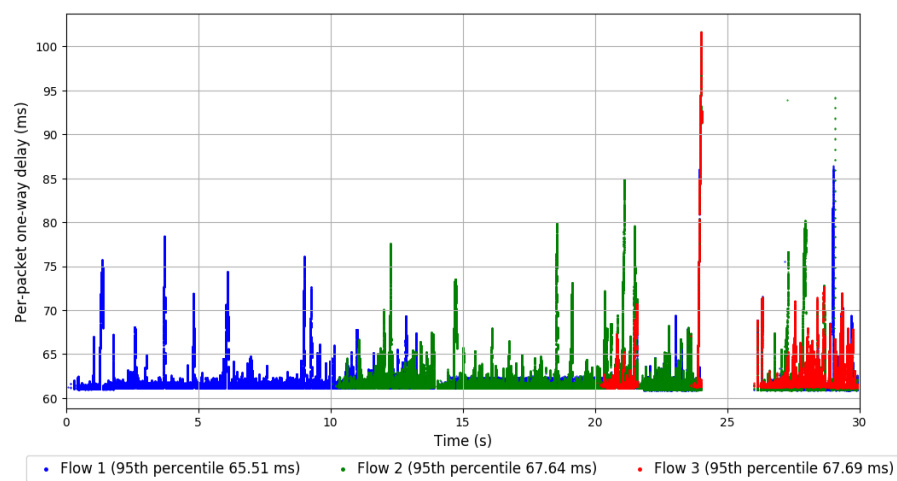
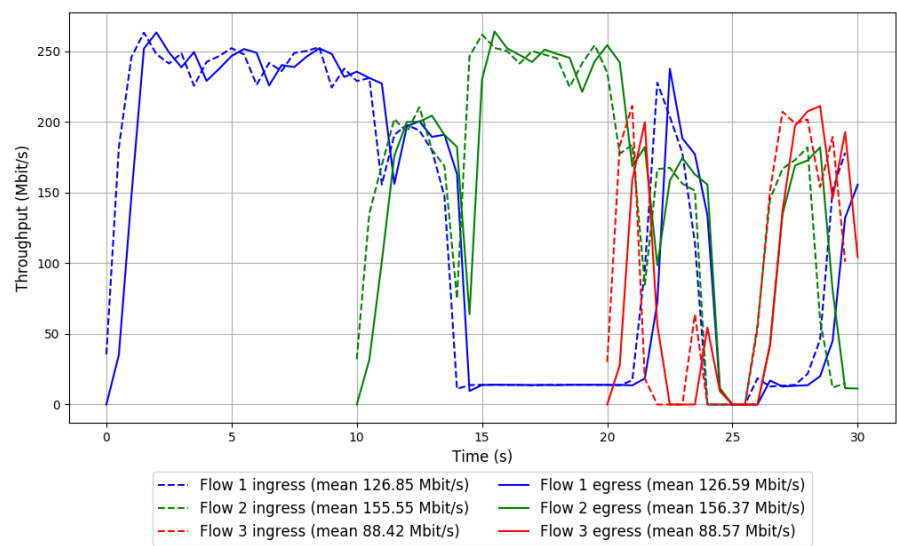


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-01 05:03:06
End at: 2018-07-01 05:03:36
Local clock offset: 0.05 ms
Remote clock offset: -0.246 ms

Below is generated by plot.py at 2018-07-01 10:35:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 259.77 Mbit/s
95th percentile per-packet one-way delay: 66.713 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 126.59 Mbit/s
95th percentile per-packet one-way delay: 65.508 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 156.37 Mbit/s
95th percentile per-packet one-way delay: 67.640 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 88.57 Mbit/s
95th percentile per-packet one-way delay: 67.695 ms
Loss rate: 1.06%

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

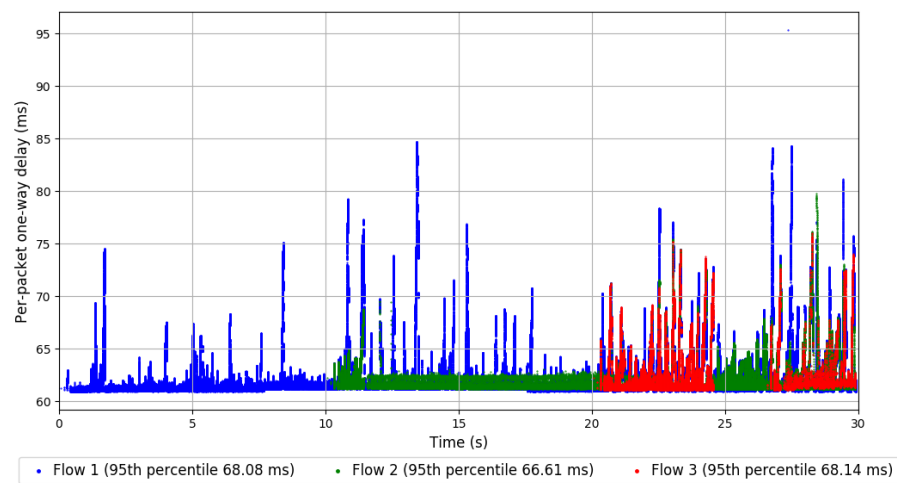
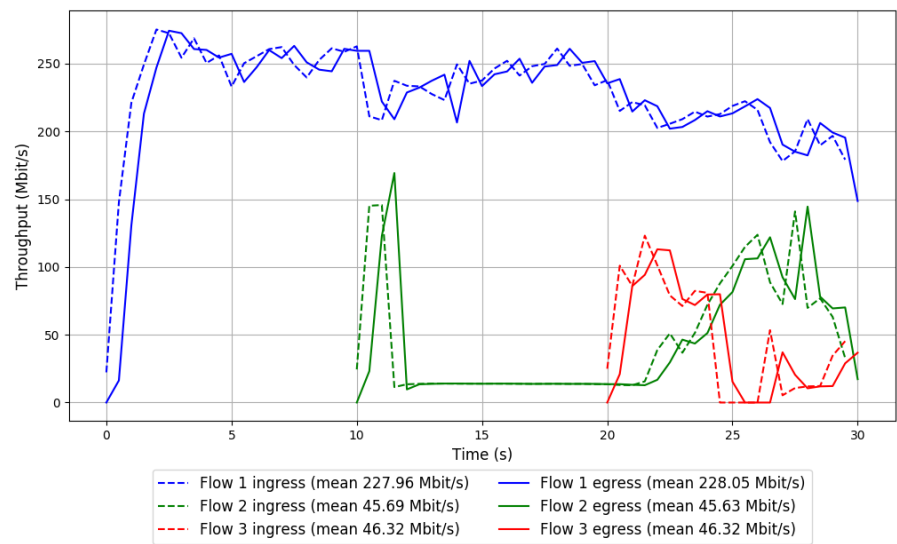


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-01 05:27:50
End at: 2018-07-01 05:28:20
Local clock offset: -0.06 ms
Remote clock offset: -0.278 ms

Below is generated by plot.py at 2018-07-01 10:35:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 273.54 Mbit/s
95th percentile per-packet one-way delay: 67.917 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 228.05 Mbit/s
95th percentile per-packet one-way delay: 68.084 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 45.63 Mbit/s
95th percentile per-packet one-way delay: 66.610 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 46.32 Mbit/s
95th percentile per-packet one-way delay: 68.145 ms
Loss rate: 1.69%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-01 05:52:15

End at: 2018-07-01 05:52:45

Local clock offset: -0.045 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-01 10:35:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 323.45 Mbit/s

95th percentile per-packet one-way delay: 68.818 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 151.69 Mbit/s

95th percentile per-packet one-way delay: 70.891 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 191.63 Mbit/s

95th percentile per-packet one-way delay: 68.468 ms

Loss rate: 0.72%

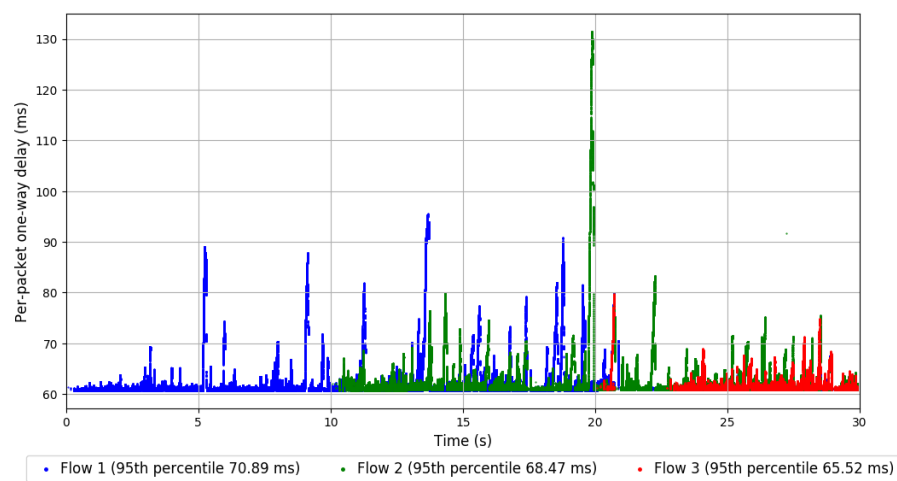
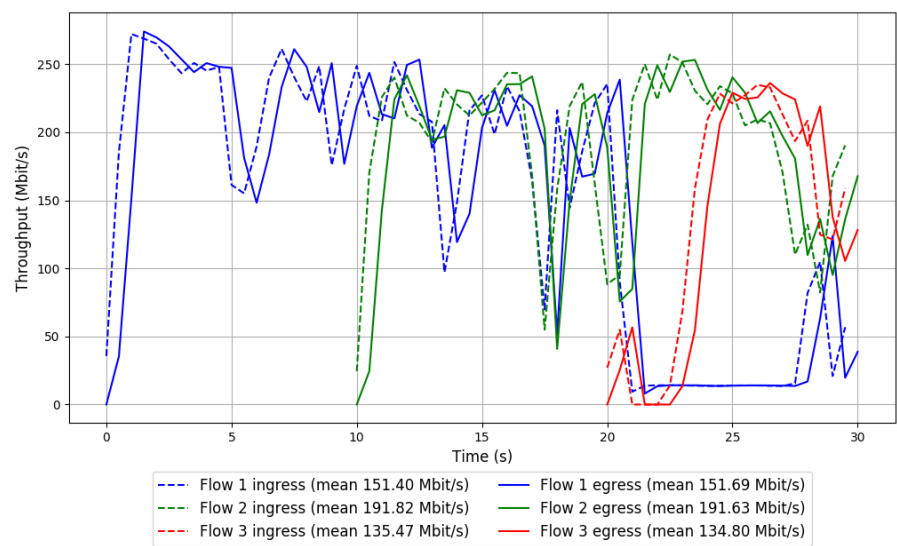
-- Flow 3:

Average throughput: 134.80 Mbit/s

95th percentile per-packet one-way delay: 65.522 ms

Loss rate: 1.72%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-01 06:17:11

End at: 2018-07-01 06:17:41

Local clock offset: -0.102 ms

Remote clock offset: 0.242 ms

Below is generated by plot.py at 2018-07-01 10:35:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 298.95 Mbit/s

95th percentile per-packet one-way delay: 70.428 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 212.55 Mbit/s

95th percentile per-packet one-way delay: 70.493 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 118.90 Mbit/s

95th percentile per-packet one-way delay: 70.686 ms

Loss rate: 0.07%

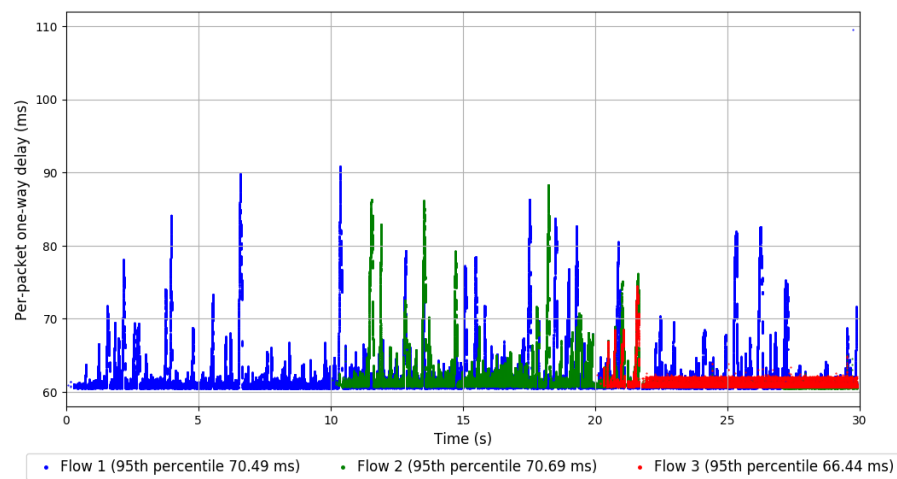
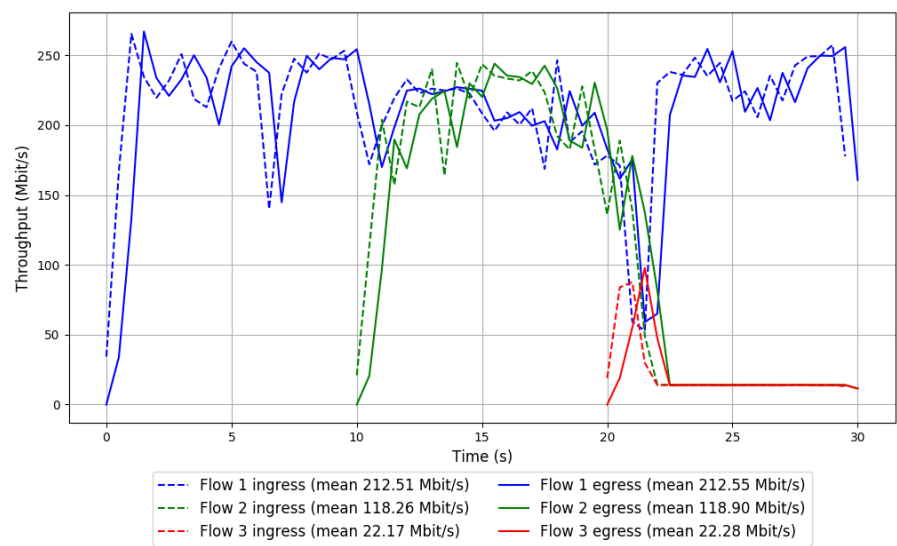
-- Flow 3:

Average throughput: 22.28 Mbit/s

95th percentile per-packet one-way delay: 66.445 ms

Loss rate: 0.77%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-01 06:42:36

End at: 2018-07-01 06:43:06

Local clock offset: 0.012 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-07-01 10:37:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 248.33 Mbit/s

95th percentile per-packet one-way delay: 67.697 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 176.58 Mbit/s

95th percentile per-packet one-way delay: 66.456 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 57.12 Mbit/s

95th percentile per-packet one-way delay: 67.037 ms

Loss rate: 1.31%

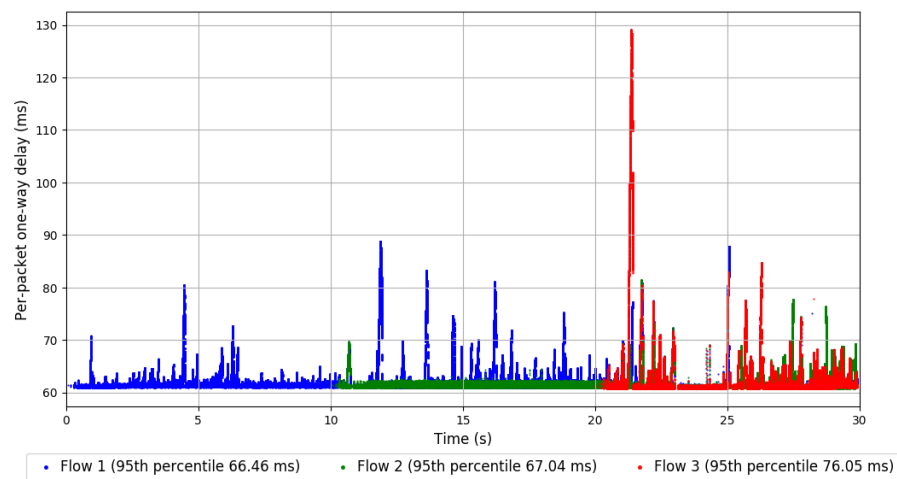
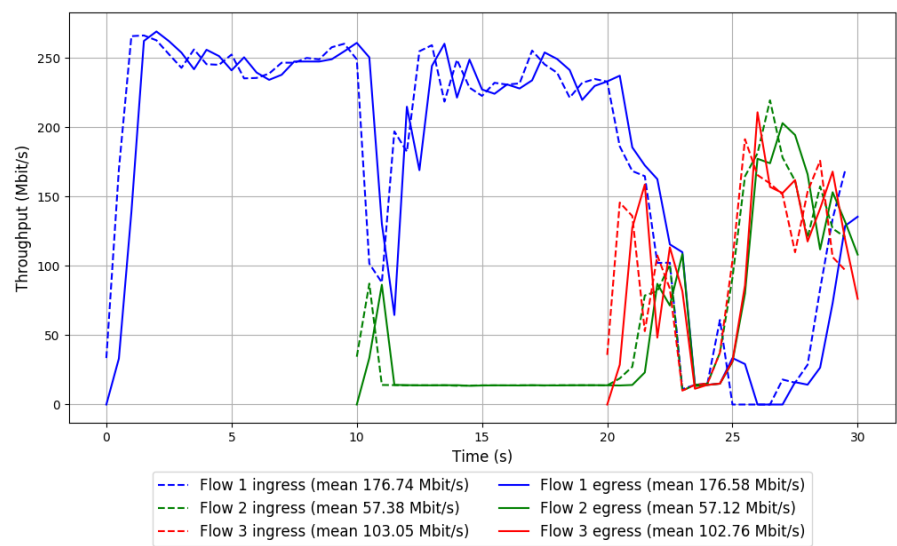
-- Flow 3:

Average throughput: 102.76 Mbit/s

95th percentile per-packet one-way delay: 76.047 ms

Loss rate: 1.55%

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



Run 8: Statistics of TaoVA-100x

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

End at: 2018-07-01 07:07:50

Local clock offset: -0.067 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-01 10:42:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 293.23 Mbit/s

95th percentile per-packet one-way delay: 65.870 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 165.86 Mbit/s

95th percentile per-packet one-way delay: 66.130 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 145.40 Mbit/s

95th percentile per-packet one-way delay: 65.525 ms

Loss rate: 0.36%

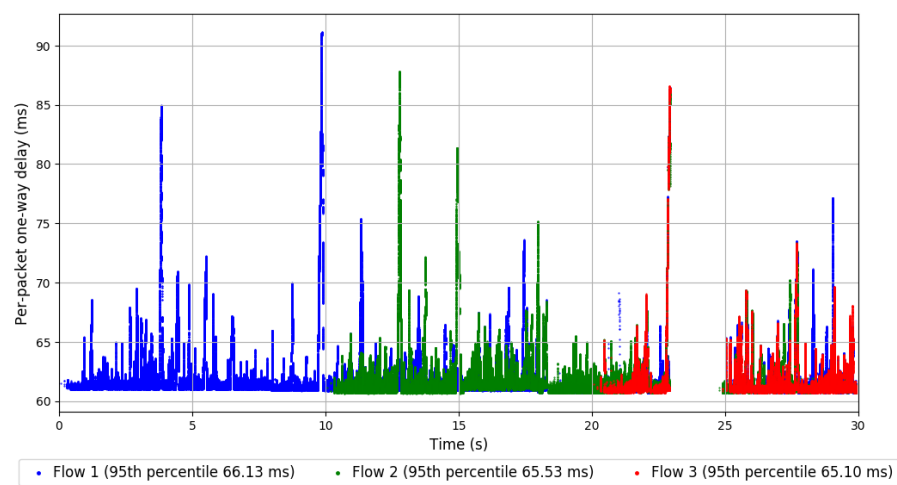
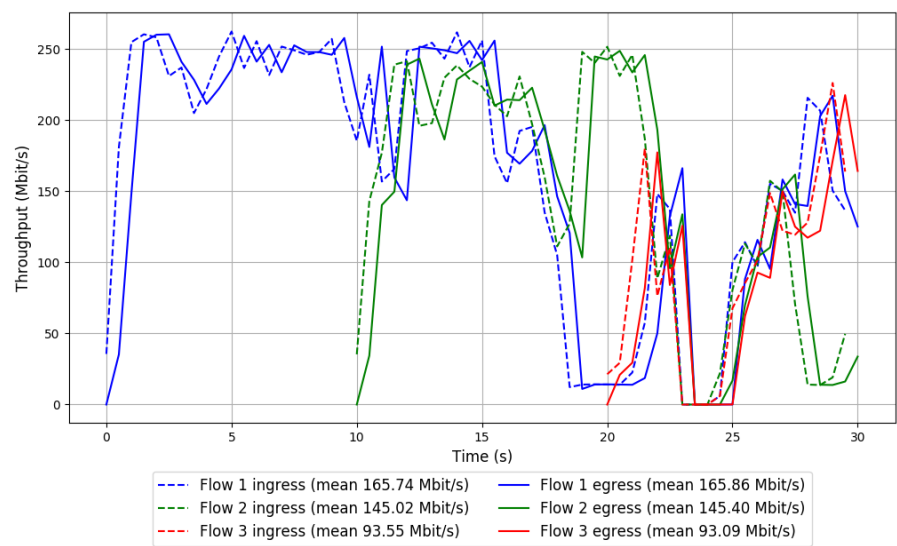
-- Flow 3:

Average throughput: 93.09 Mbit/s

95th percentile per-packet one-way delay: 65.104 ms

Loss rate: 1.72%

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

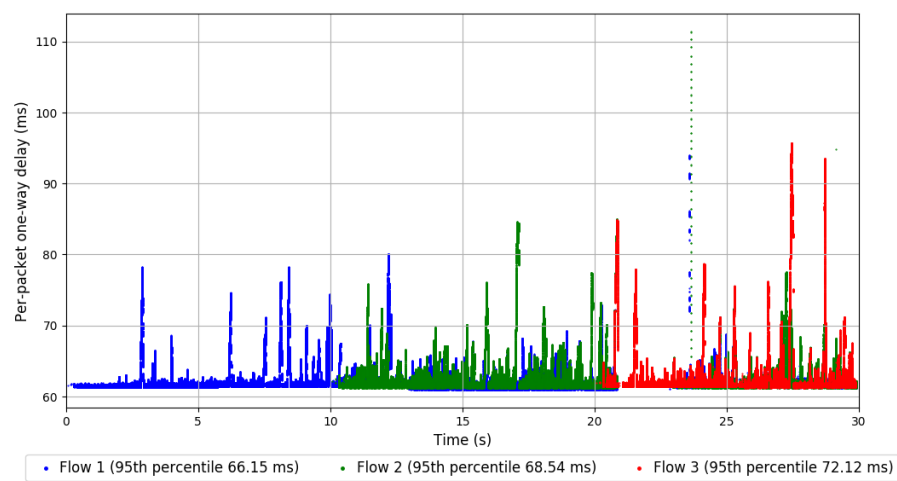
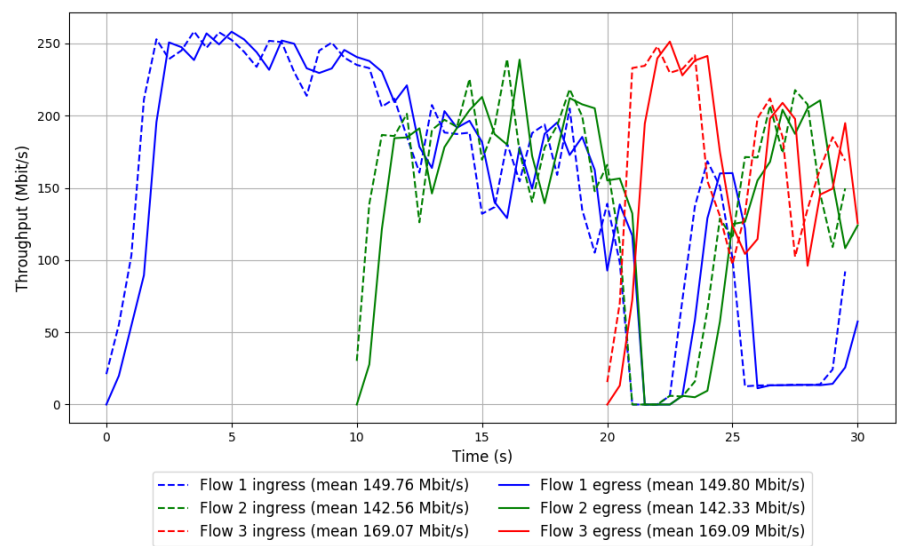


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-01 07:32:22
End at: 2018-07-01 07:32:52
Local clock offset: -0.106 ms
Remote clock offset: -0.333 ms

Below is generated by plot.py at 2018-07-01 10:44:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 299.87 Mbit/s
95th percentile per-packet one-way delay: 67.890 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 149.80 Mbit/s
95th percentile per-packet one-way delay: 66.148 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 142.33 Mbit/s
95th percentile per-packet one-way delay: 68.542 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 169.09 Mbit/s
95th percentile per-packet one-way delay: 72.122 ms
Loss rate: 1.72%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-01 07:57:27

End at: 2018-07-01 07:57:57

Local clock offset: -0.053 ms

Remote clock offset: 0.148 ms

Below is generated by plot.py at 2018-07-01 10:45:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 294.08 Mbit/s

95th percentile per-packet one-way delay: 69.144 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 157.07 Mbit/s

95th percentile per-packet one-way delay: 69.167 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 161.73 Mbit/s

95th percentile per-packet one-way delay: 68.799 ms

Loss rate: 0.92%

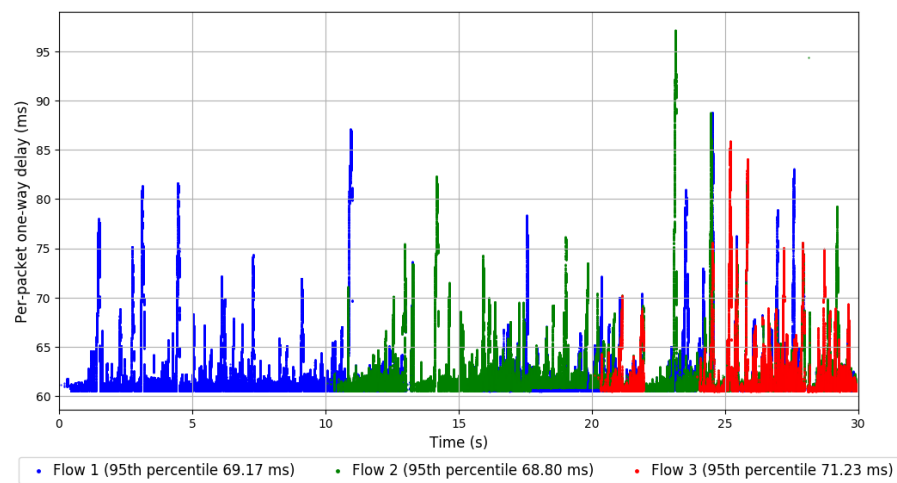
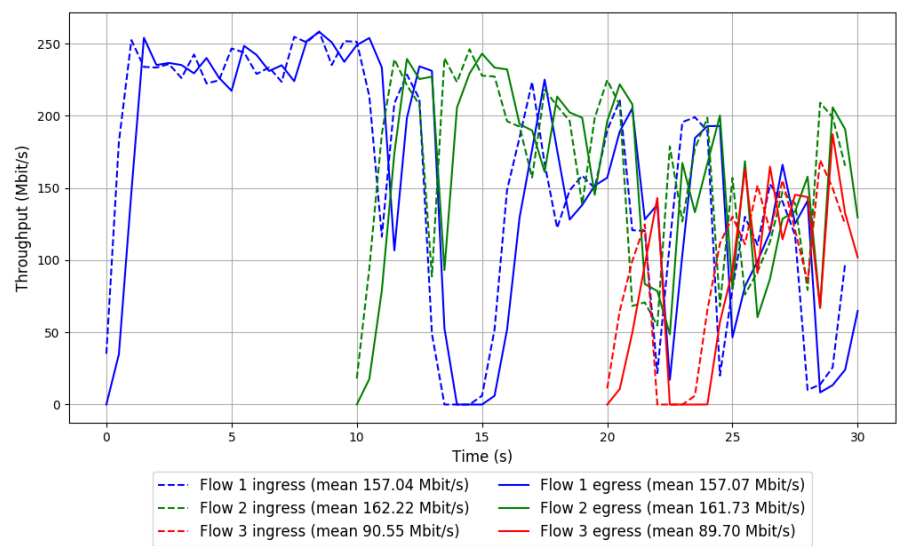
-- Flow 3:

Average throughput: 89.70 Mbit/s

95th percentile per-packet one-way delay: 71.231 ms

Loss rate: 2.24%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-01 04:19:19

End at: 2018-07-01 04:19:49

Local clock offset: -0.101 ms

Remote clock offset: 0.218 ms

Below is generated by plot.py at 2018-07-01 10:45:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 312.46 Mbit/s

95th percentile per-packet one-way delay: 80.207 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 185.24 Mbit/s

95th percentile per-packet one-way delay: 79.268 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 107.50 Mbit/s

95th percentile per-packet one-way delay: 76.648 ms

Loss rate: 0.40%

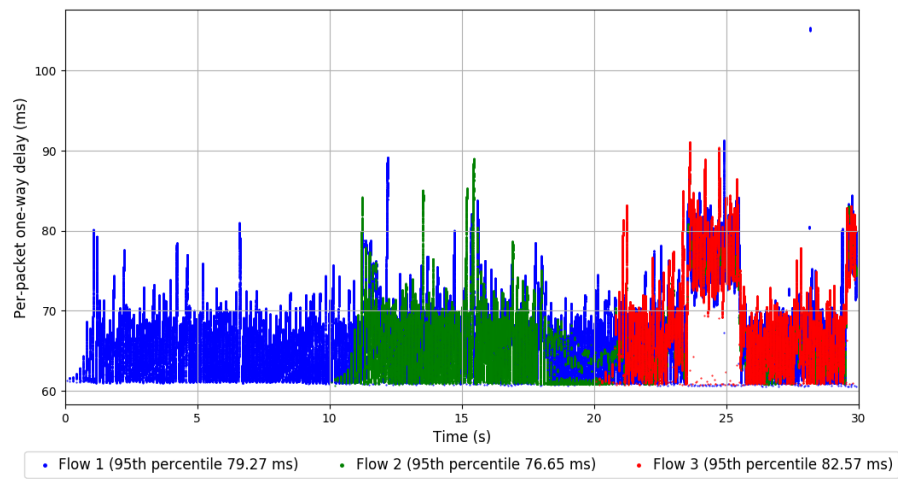
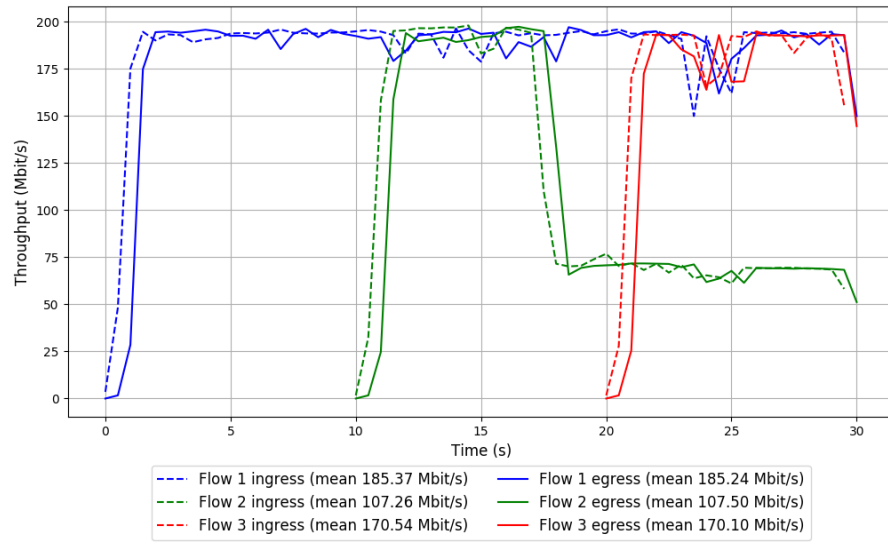
-- Flow 3:

Average throughput: 170.10 Mbit/s

95th percentile per-packet one-way delay: 82.566 ms

Loss rate: 1.43%

Run 1: Report of TCP Vegas — Data Link

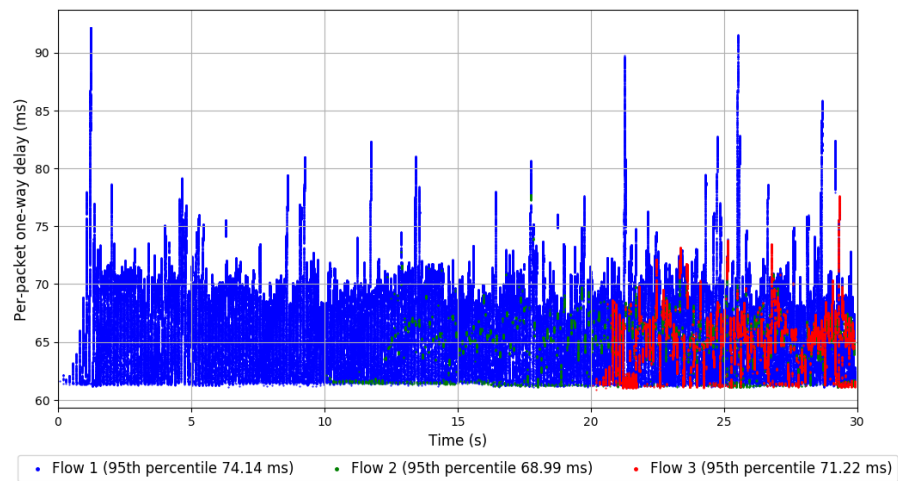
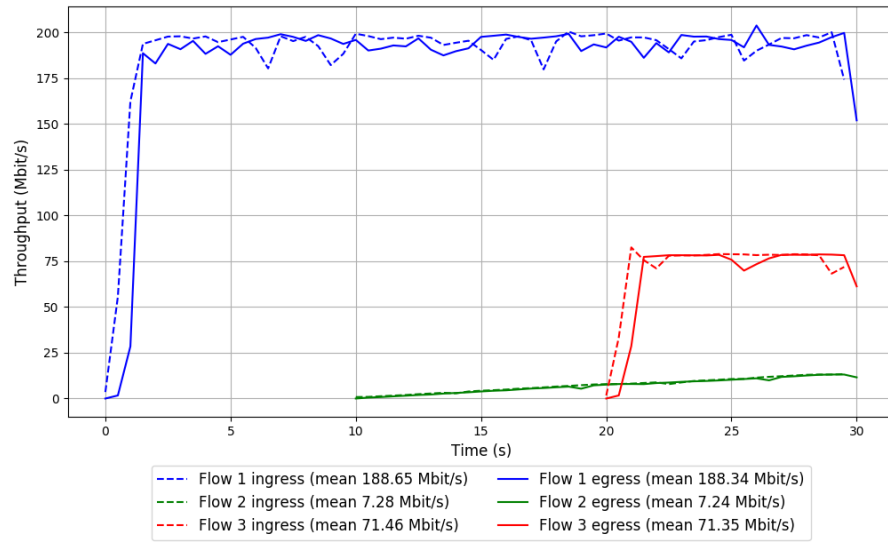


Run 2: Statistics of TCP Vegas

Start at: 2018-07-01 04:44:01
End at: 2018-07-01 04:44:31
Local clock offset: -0.003 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-01 10:45:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 216.67 Mbit/s
95th percentile per-packet one-way delay: 73.646 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 188.34 Mbit/s
95th percentile per-packet one-way delay: 74.142 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 68.989 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 71.35 Mbit/s
95th percentile per-packet one-way delay: 71.219 ms
Loss rate: 1.38%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-01 05:08:25

End at: 2018-07-01 05:08:55

Local clock offset: 0.028 ms

Remote clock offset: 1.259 ms

Below is generated by plot.py at 2018-07-01 10:45:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 252.37 Mbit/s

95th percentile per-packet one-way delay: 74.128 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 80.35 Mbit/s

95th percentile per-packet one-way delay: 71.104 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 172.78 Mbit/s

95th percentile per-packet one-way delay: 74.099 ms

Loss rate: 0.22%

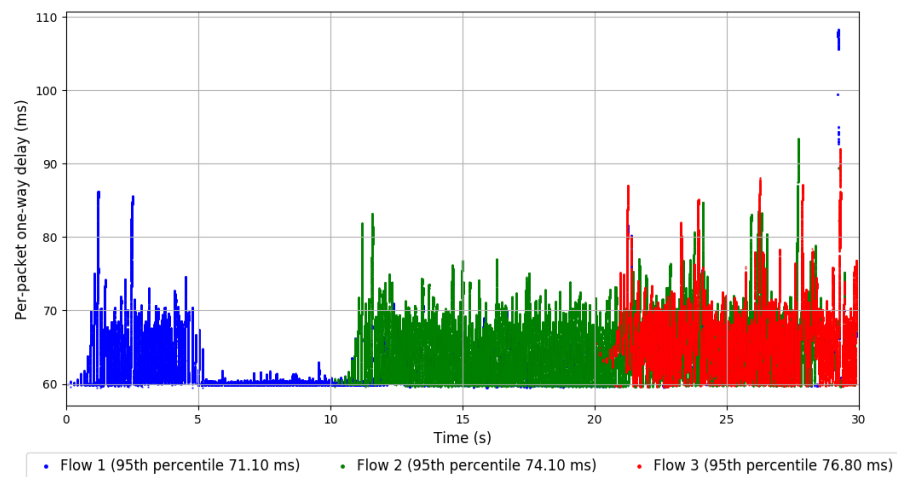
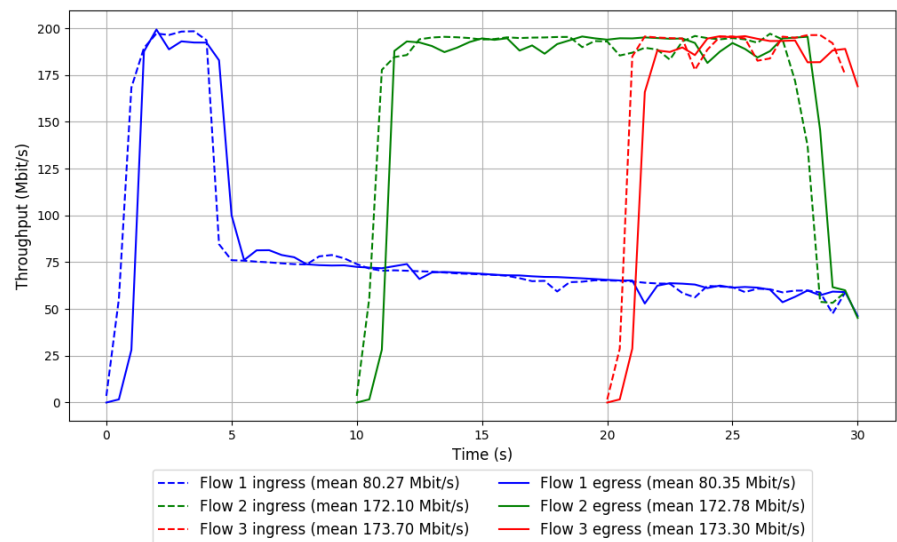
-- Flow 3:

Average throughput: 173.30 Mbit/s

95th percentile per-packet one-way delay: 76.804 ms

Loss rate: 1.49%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-01 05:33:08

End at: 2018-07-01 05:33:38

Local clock offset: -0.045 ms

Remote clock offset: 1.282 ms

Below is generated by plot.py at 2018-07-01 10:45:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 154.53 Mbit/s

95th percentile per-packet one-way delay: 70.832 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 148.30 Mbit/s

95th percentile per-packet one-way delay: 70.908 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 7.36 Mbit/s

95th percentile per-packet one-way delay: 65.372 ms

Loss rate: 1.35%

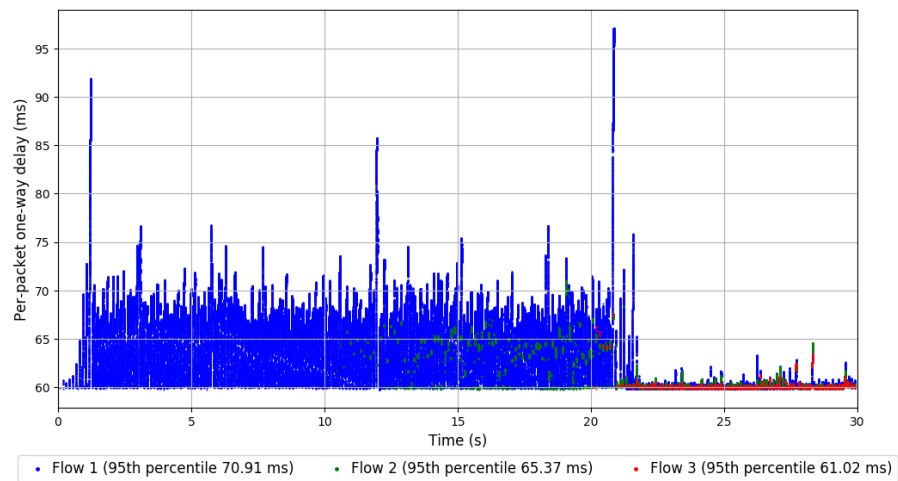
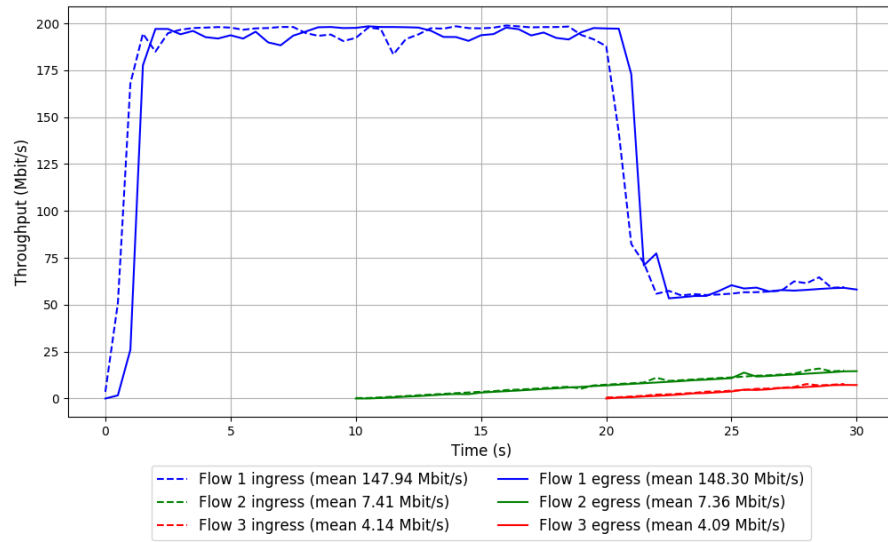
-- Flow 3:

Average throughput: 4.09 Mbit/s

95th percentile per-packet one-way delay: 61.019 ms

Loss rate: 2.47%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-01 05:57:42

End at: 2018-07-01 05:58:12

Local clock offset: -0.079 ms

Remote clock offset: 0.213 ms

Below is generated by plot.py at 2018-07-01 10:45:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 283.70 Mbit/s

95th percentile per-packet one-way delay: 71.033 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 145.94 Mbit/s

95th percentile per-packet one-way delay: 67.765 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 120.50 Mbit/s

95th percentile per-packet one-way delay: 68.149 ms

Loss rate: 0.63%

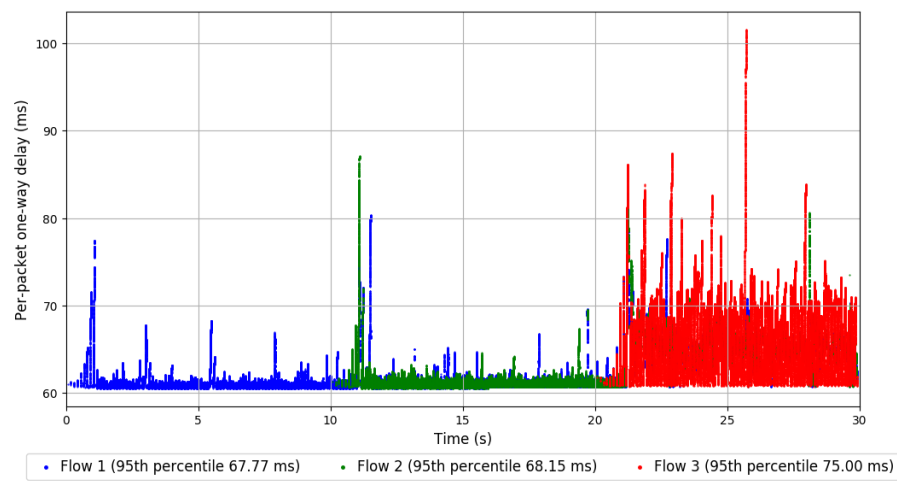
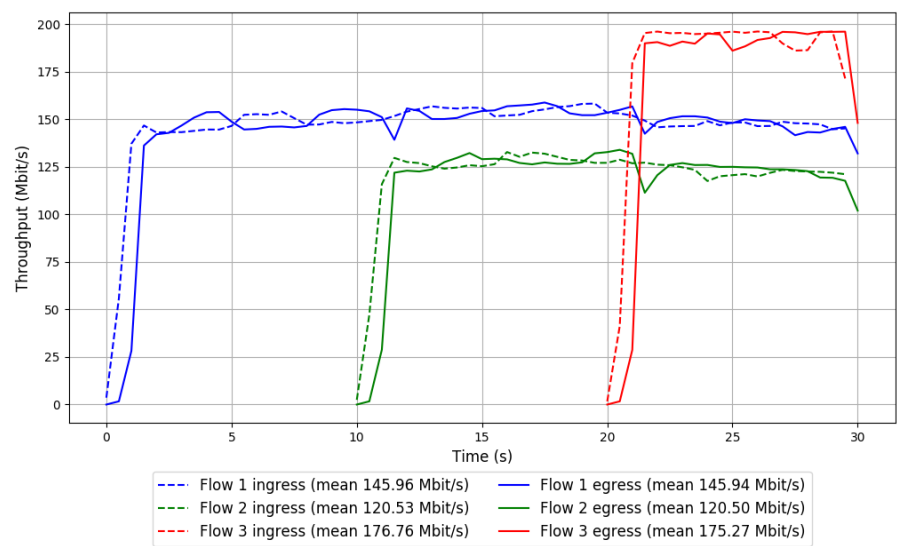
-- Flow 3:

Average throughput: 175.27 Mbit/s

95th percentile per-packet one-way delay: 74.995 ms

Loss rate: 1.37%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-01 06:22:34

End at: 2018-07-01 06:23:04

Local clock offset: -0.038 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-01 10:45:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 213.08 Mbit/s

95th percentile per-packet one-way delay: 71.970 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 78.90 Mbit/s

95th percentile per-packet one-way delay: 67.534 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 184.78 Mbit/s

95th percentile per-packet one-way delay: 73.838 ms

Loss rate: 0.66%

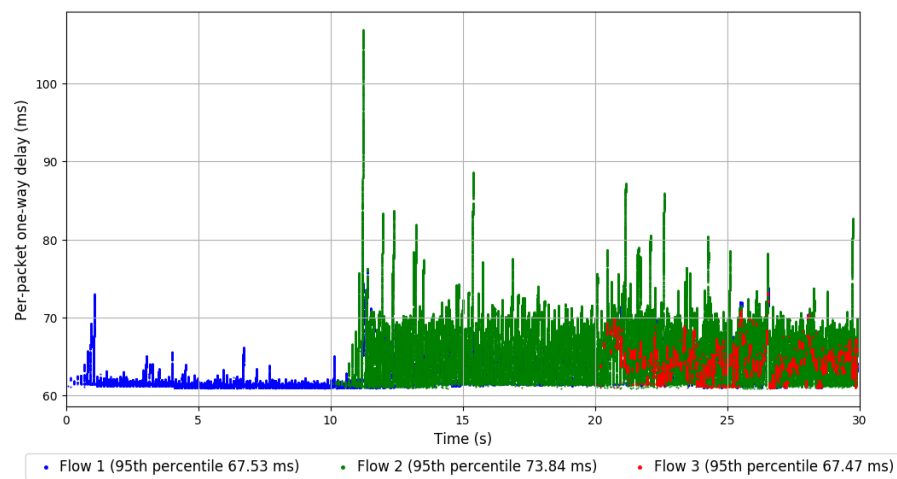
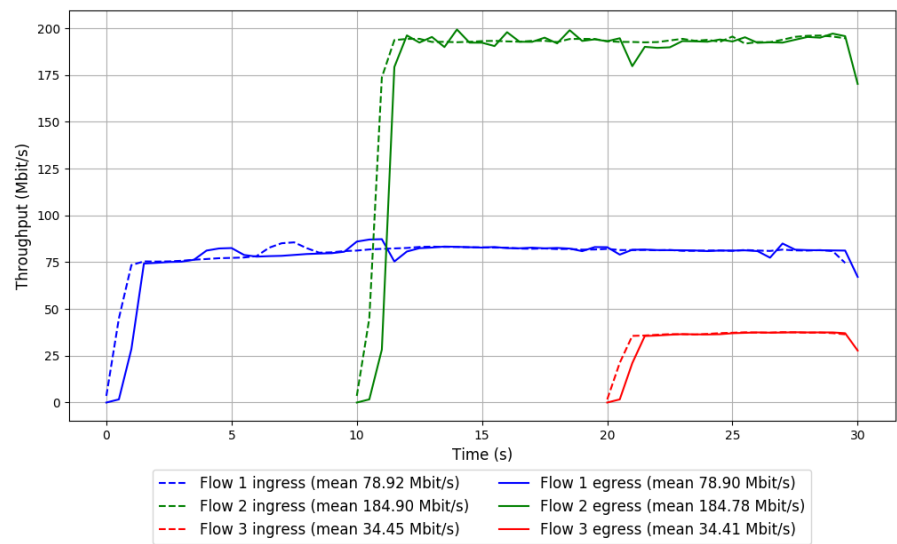
-- Flow 3:

Average throughput: 34.41 Mbit/s

95th percentile per-packet one-way delay: 67.473 ms

Loss rate: 1.34%

Run 6: Report of TCP Vegas — Data Link

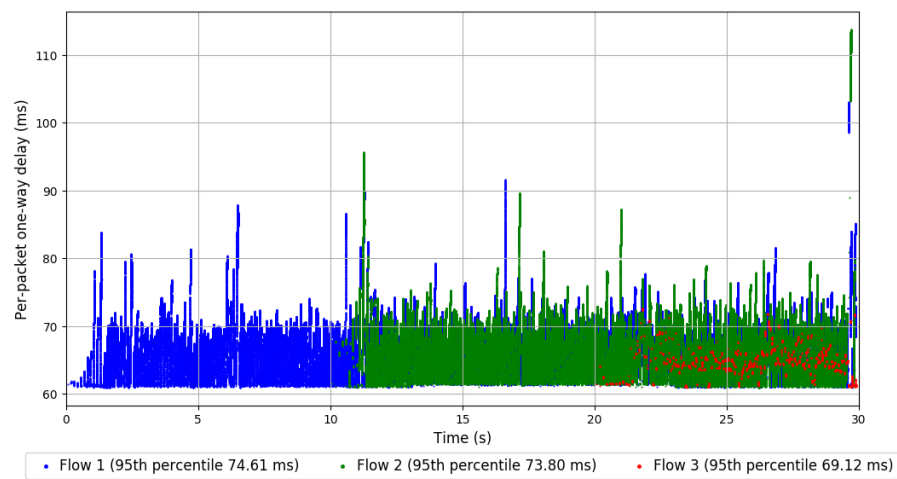
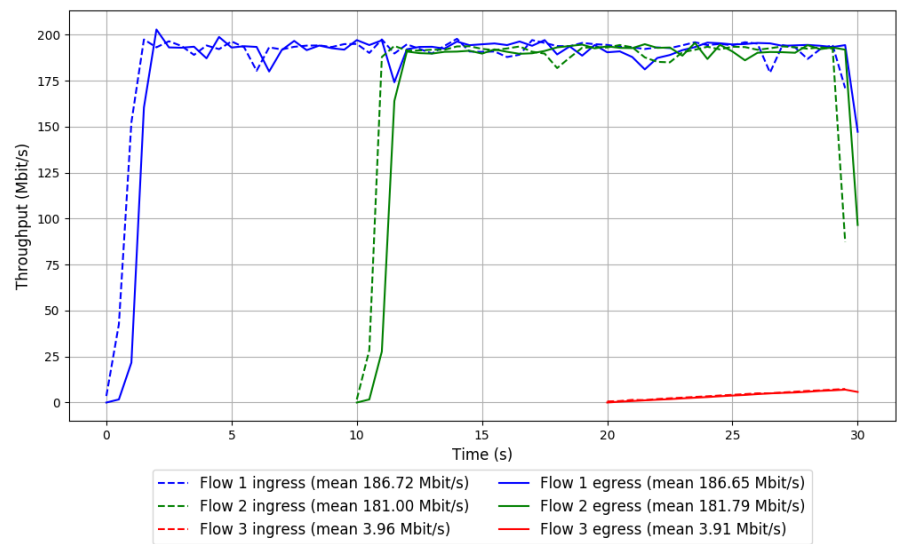


Run 7: Statistics of TCP Vegas

Start at: 2018-07-01 06:47:55
End at: 2018-07-01 06:48:25
Local clock offset: -0.009 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-01 10:46:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 308.09 Mbit/s
95th percentile per-packet one-way delay: 74.201 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 186.65 Mbit/s
95th percentile per-packet one-way delay: 74.607 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 181.79 Mbit/s
95th percentile per-packet one-way delay: 73.803 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 69.120 ms
Loss rate: 2.55%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-01 07:12:44

End at: 2018-07-01 07:13:14

Local clock offset: -0.074 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-07-01 10:47:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 269.18 Mbit/s

95th percentile per-packet one-way delay: 73.237 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 145.28 Mbit/s

95th percentile per-packet one-way delay: 73.277 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 99.84 Mbit/s

95th percentile per-packet one-way delay: 70.681 ms

Loss rate: 0.46%

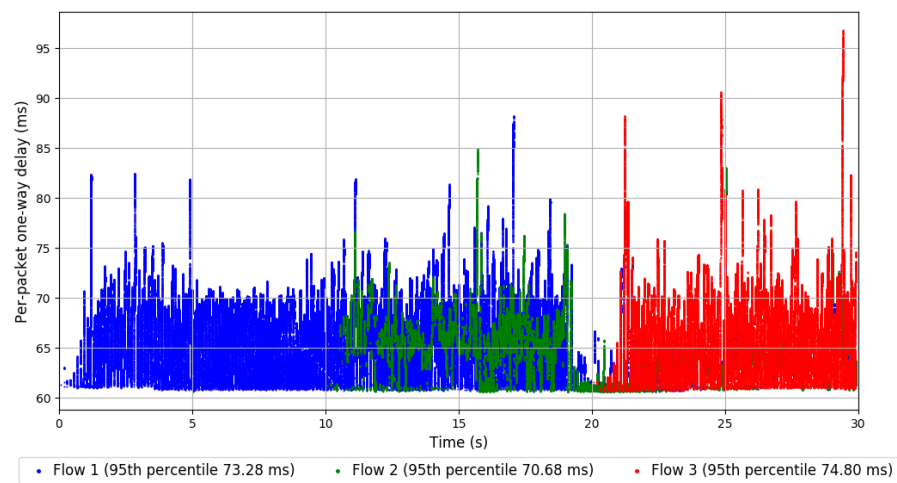
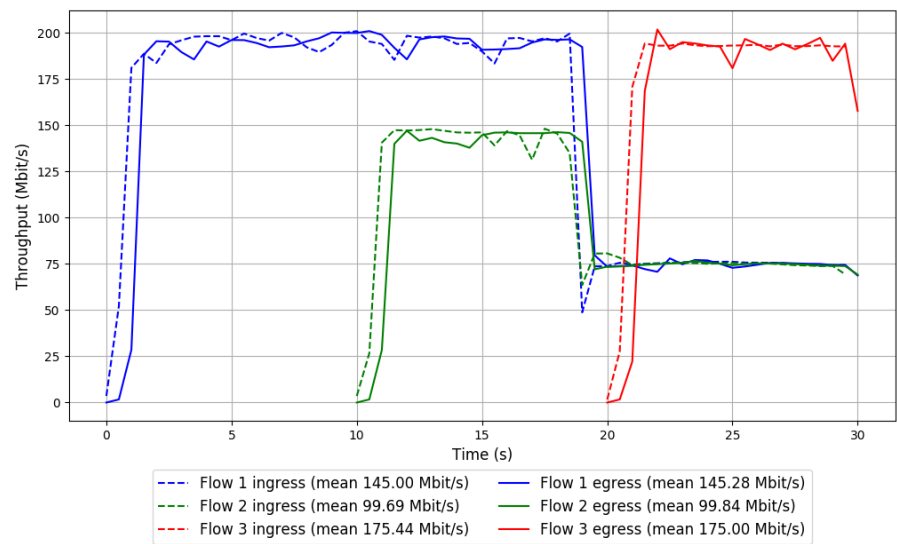
-- Flow 3:

Average throughput: 175.00 Mbit/s

95th percentile per-packet one-way delay: 74.798 ms

Loss rate: 1.38%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-01 07:37:46

End at: 2018-07-01 07:38:16

Local clock offset: -0.072 ms

Remote clock offset: 1.147 ms

Below is generated by plot.py at 2018-07-01 10:47:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 222.22 Mbit/s

95th percentile per-packet one-way delay: 74.746 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 43.81 Mbit/s

95th percentile per-packet one-way delay: 68.362 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 182.48 Mbit/s

95th percentile per-packet one-way delay: 75.444 ms

Loss rate: 0.73%

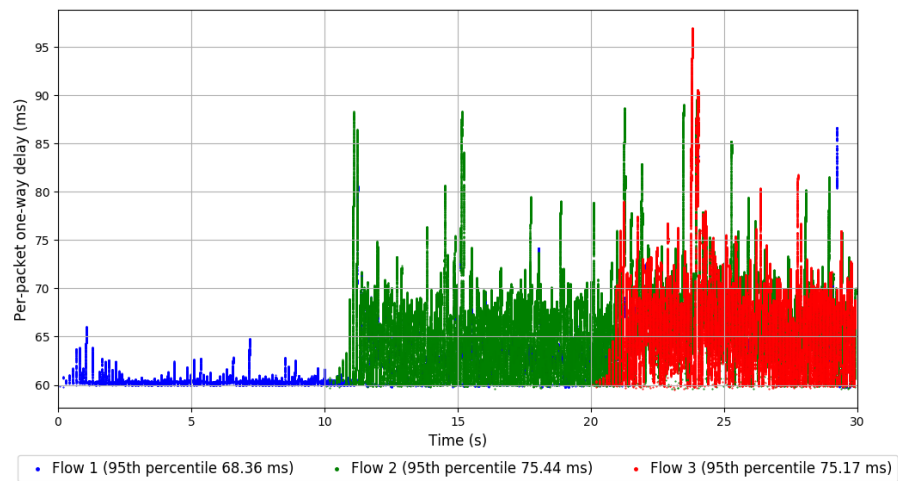
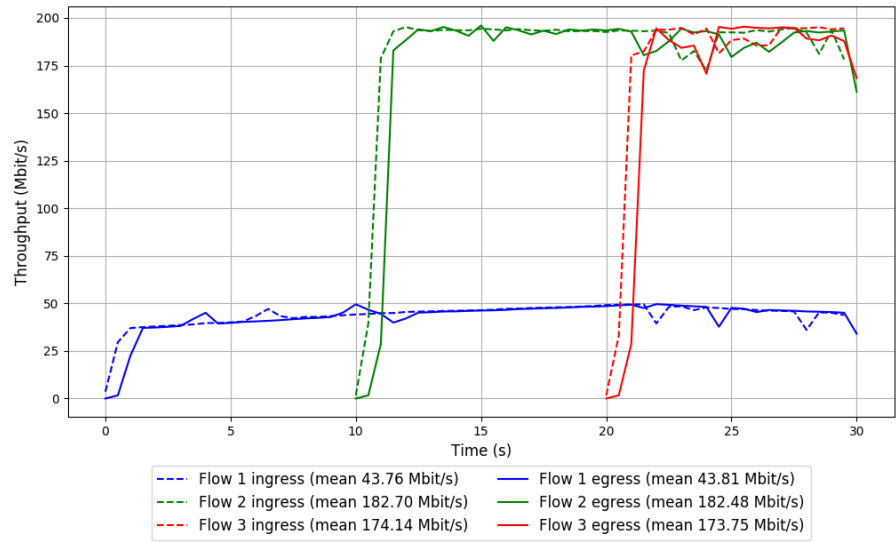
-- Flow 3:

Average throughput: 173.75 Mbit/s

95th percentile per-packet one-way delay: 75.170 ms

Loss rate: 1.41%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-01 08:03:01

End at: 2018-07-01 08:03:31

Local clock offset: -0.046 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-01 10:47:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 241.82 Mbit/s

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

Loss rate: 0.69%

-- Flow 1:

Average throughput: 81.64 Mbit/s

95th percentile per-packet one-way delay: 68.247 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 185.07 Mbit/s

95th percentile per-packet one-way delay: 72.330 ms

Loss rate: 0.67%

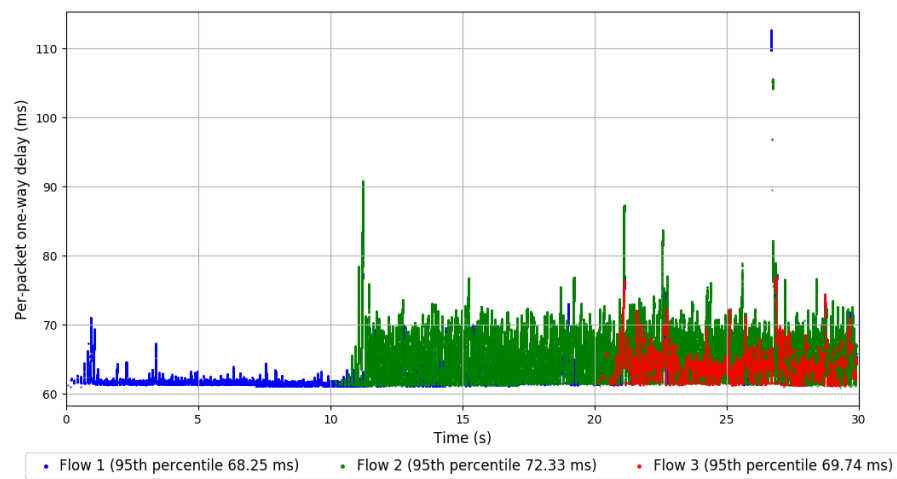
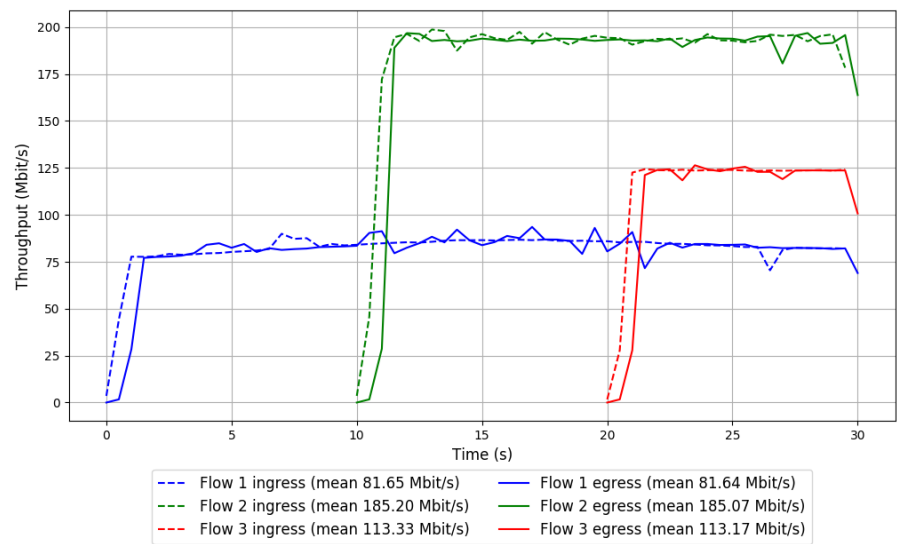
-- Flow 3:

Average throughput: 113.17 Mbit/s

95th percentile per-packet one-way delay: 69.736 ms

Loss rate: 1.37%

Run 10: Report of TCP Vegas — Data Link

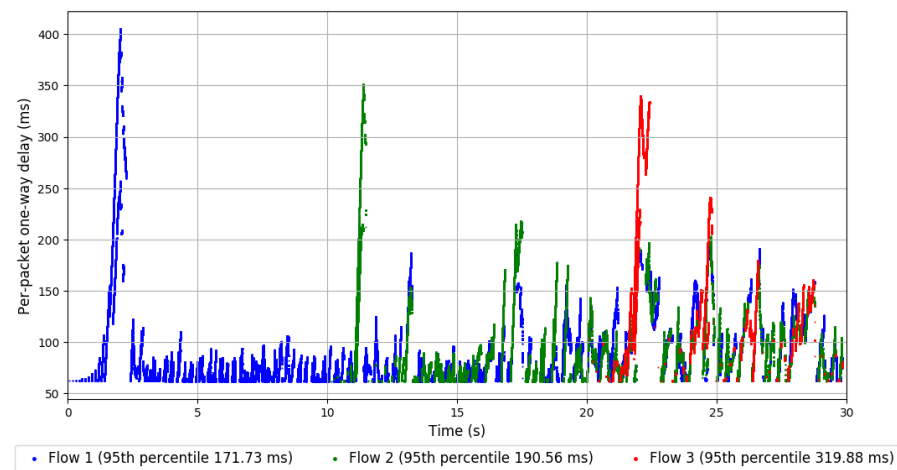
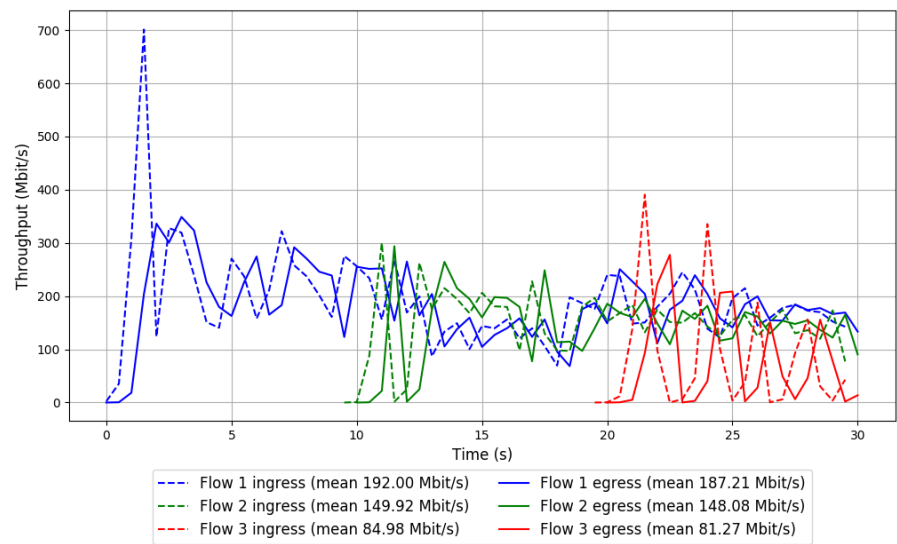


Run 1: Statistics of Verus

Start at: 2018-07-01 04:09:44
End at: 2018-07-01 04:10:14
Local clock offset: -0.086 ms
Remote clock offset: -1.029 ms

Below is generated by plot.py at 2018-07-01 10:51:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 312.33 Mbit/s
95th percentile per-packet one-way delay: 208.179 ms
Loss rate: 2.76%
-- Flow 1:
Average throughput: 187.21 Mbit/s
95th percentile per-packet one-way delay: 171.726 ms
Loss rate: 2.71%
-- Flow 2:
Average throughput: 148.08 Mbit/s
95th percentile per-packet one-way delay: 190.565 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 81.27 Mbit/s
95th percentile per-packet one-way delay: 319.879 ms
Loss rate: 6.03%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-01 04:34:29

End at: 2018-07-01 04:34:59

Local clock offset: -0.097 ms

Remote clock offset: 0.281 ms

Below is generated by plot.py at 2018-07-01 10:51:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 322.74 Mbit/s

95th percentile per-packet one-way delay: 160.791 ms

Loss rate: 2.49%

-- Flow 1:

Average throughput: 170.41 Mbit/s

95th percentile per-packet one-way delay: 189.405 ms

Loss rate: 3.95%

-- Flow 2:

Average throughput: 178.86 Mbit/s

95th percentile per-packet one-way delay: 149.915 ms

Loss rate: 0.59%

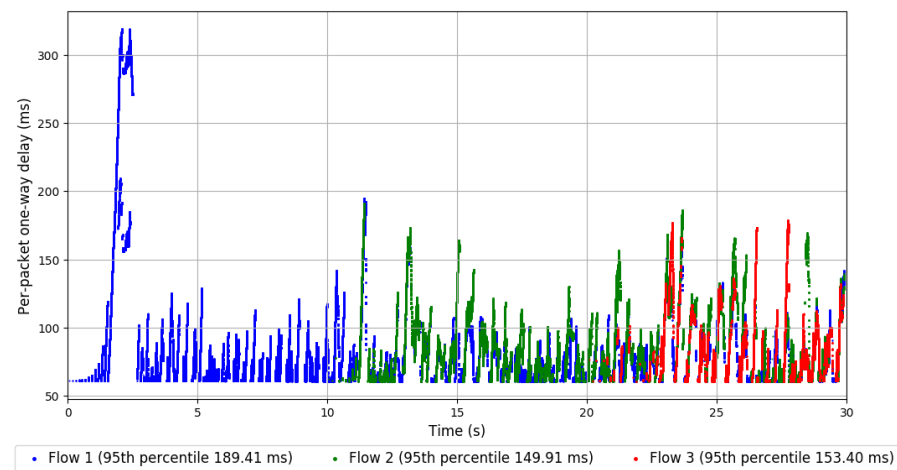
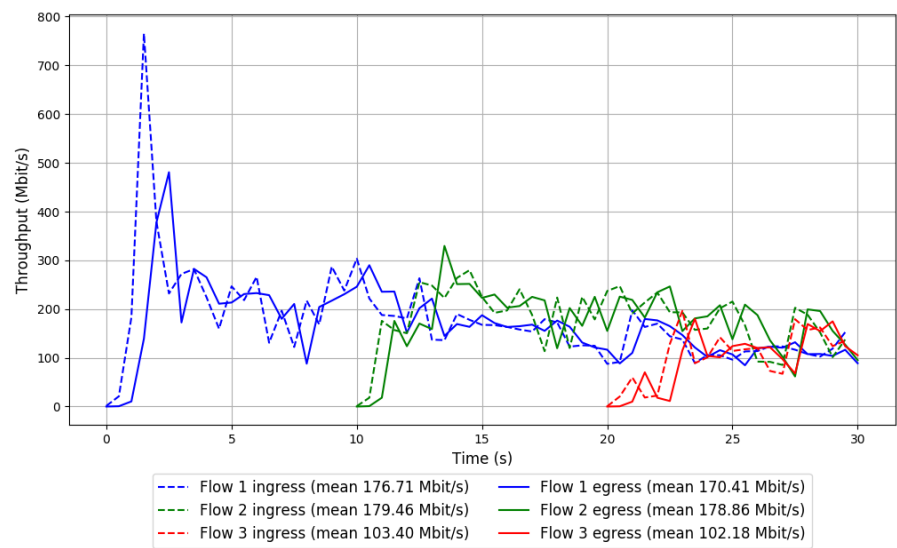
-- Flow 3:

Average throughput: 102.18 Mbit/s

95th percentile per-packet one-way delay: 153.403 ms

Loss rate: 1.48%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-01 04:58:58

End at: 2018-07-01 04:59:28

Local clock offset: 0.028 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2018-07-01 10:51:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 306.65 Mbit/s

95th percentile per-packet one-way delay: 171.541 ms

Loss rate: 1.57%

-- Flow 1:

Average throughput: 197.50 Mbit/s

95th percentile per-packet one-way delay: 149.369 ms

Loss rate: 1.67%

-- Flow 2:

Average throughput: 137.97 Mbit/s

95th percentile per-packet one-way delay: 219.304 ms

Loss rate: 1.37%

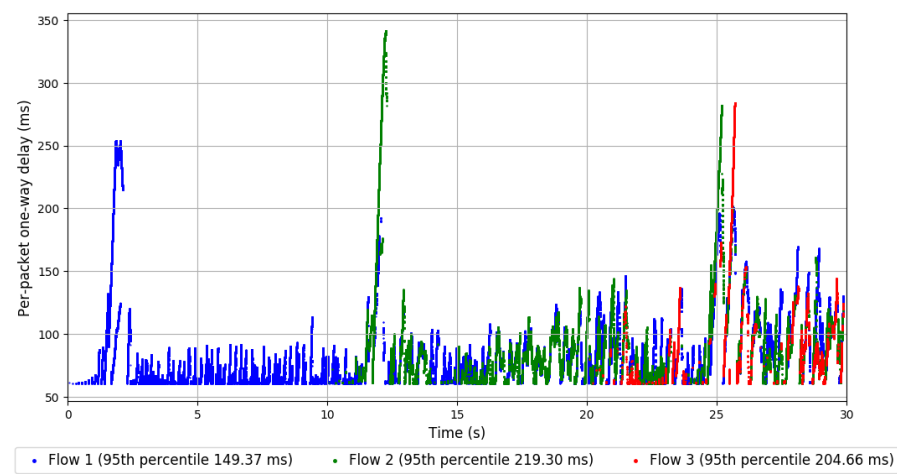
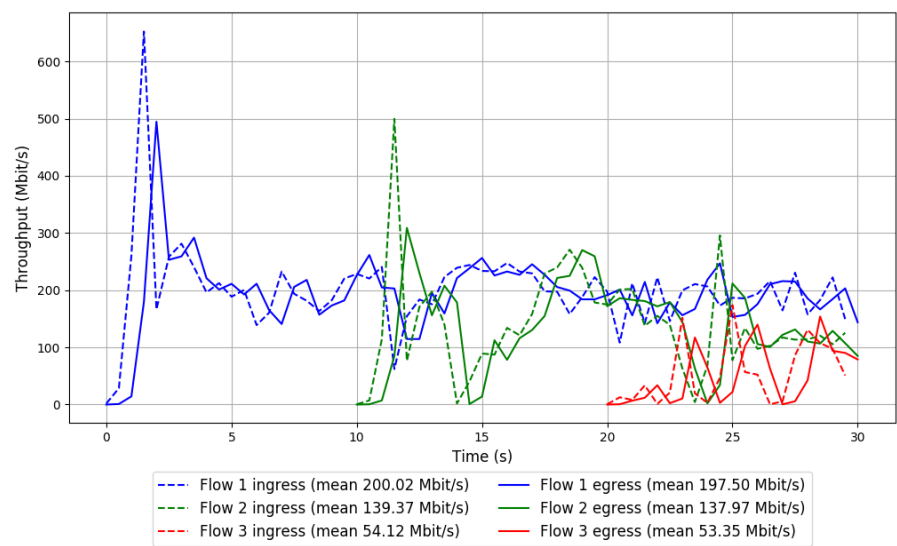
-- Flow 3:

Average throughput: 53.35 Mbit/s

95th percentile per-packet one-way delay: 204.657 ms

Loss rate: 1.57%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-01 05:23:35

End at: 2018-07-01 05:24:05

Local clock offset: 0.008 ms

Remote clock offset: 0.149 ms

Below is generated by plot.py at 2018-07-01 10:52:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 325.89 Mbit/s

95th percentile per-packet one-way delay: 176.247 ms

Loss rate: 1.86%

-- Flow 1:

Average throughput: 224.44 Mbit/s

95th percentile per-packet one-way delay: 156.419 ms

Loss rate: 0.86%

-- Flow 2:

Average throughput: 131.01 Mbit/s

95th percentile per-packet one-way delay: 289.912 ms

Loss rate: 4.56%

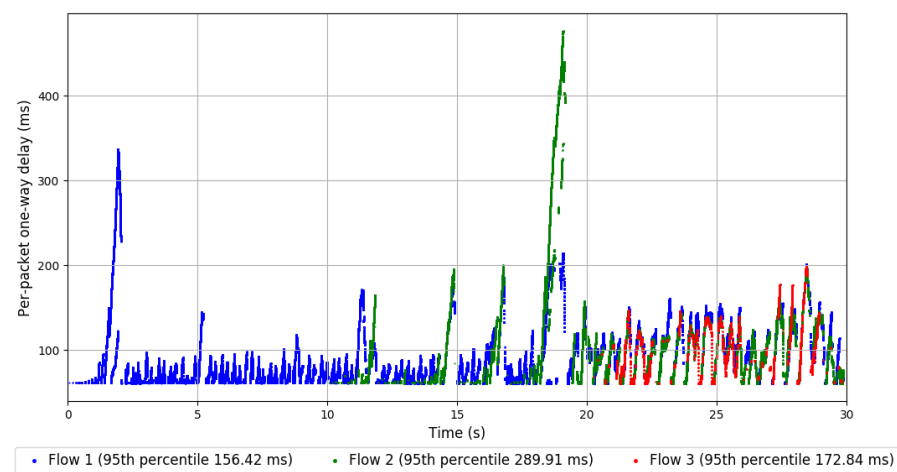
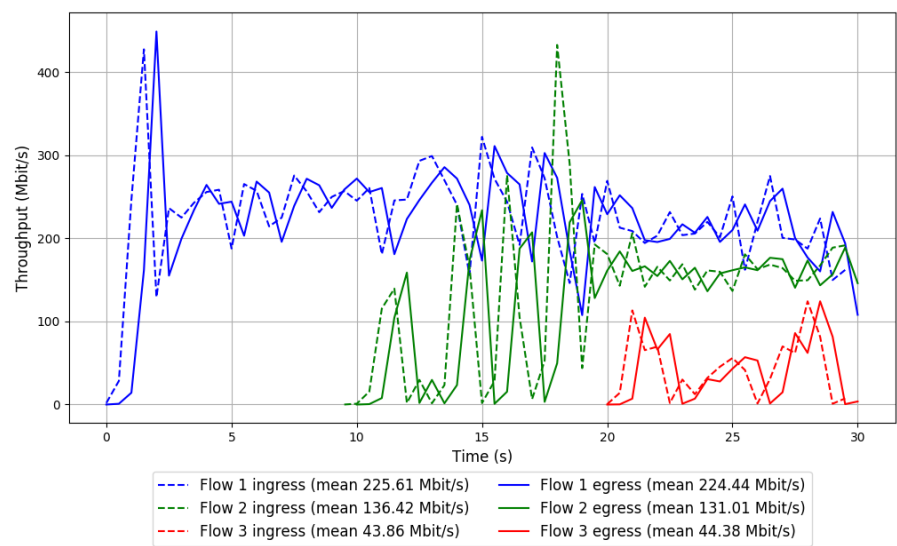
-- Flow 3:

Average throughput: 44.38 Mbit/s

95th percentile per-packet one-way delay: 172.836 ms

Loss rate: 0.49%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-01 05:48:07

End at: 2018-07-01 05:48:37

Local clock offset: -0.063 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-07-01 10:53:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 307.71 Mbit/s

95th percentile per-packet one-way delay: 166.245 ms

Loss rate: 4.27%

-- Flow 1:

Average throughput: 205.94 Mbit/s

95th percentile per-packet one-way delay: 166.340 ms

Loss rate: 3.08%

-- Flow 2:

Average throughput: 108.59 Mbit/s

95th percentile per-packet one-way delay: 192.914 ms

Loss rate: 6.19%

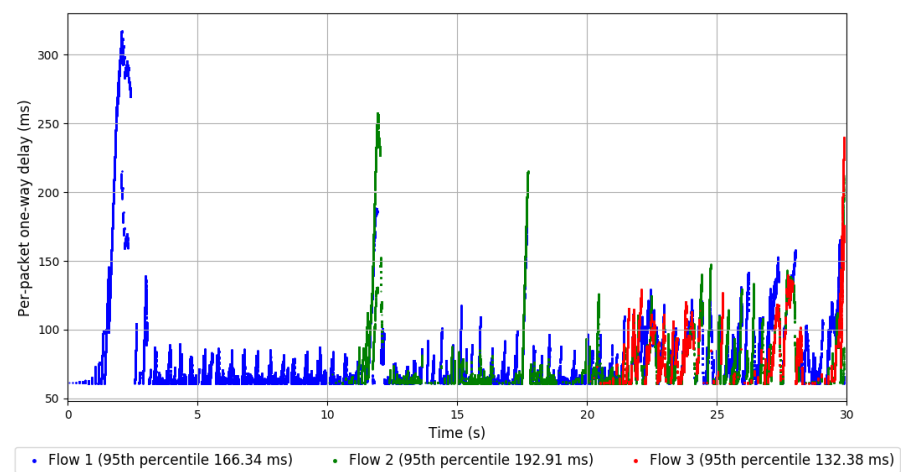
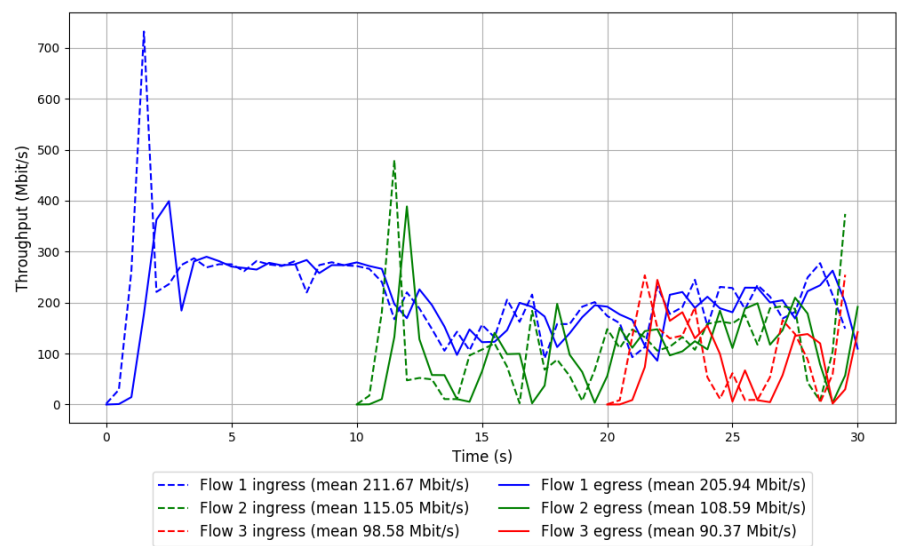
-- Flow 3:

Average throughput: 90.37 Mbit/s

95th percentile per-packet one-way delay: 132.382 ms

Loss rate: 7.54%

Run 5: Report of Verus — Data Link

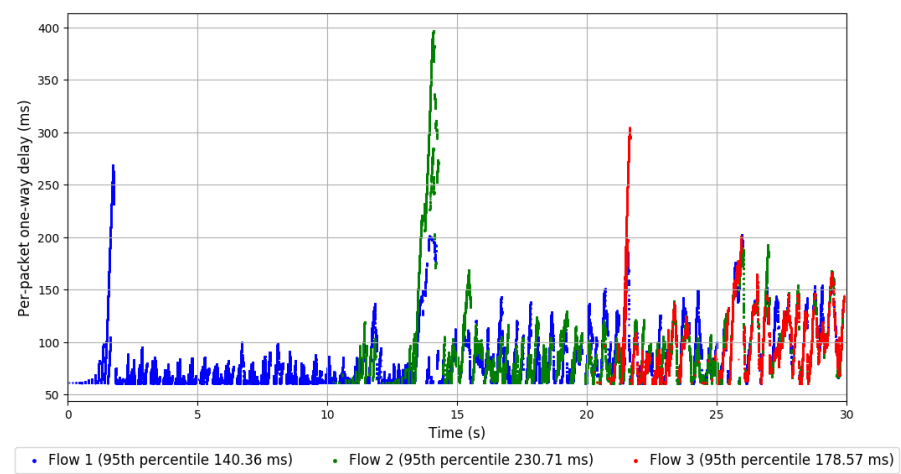
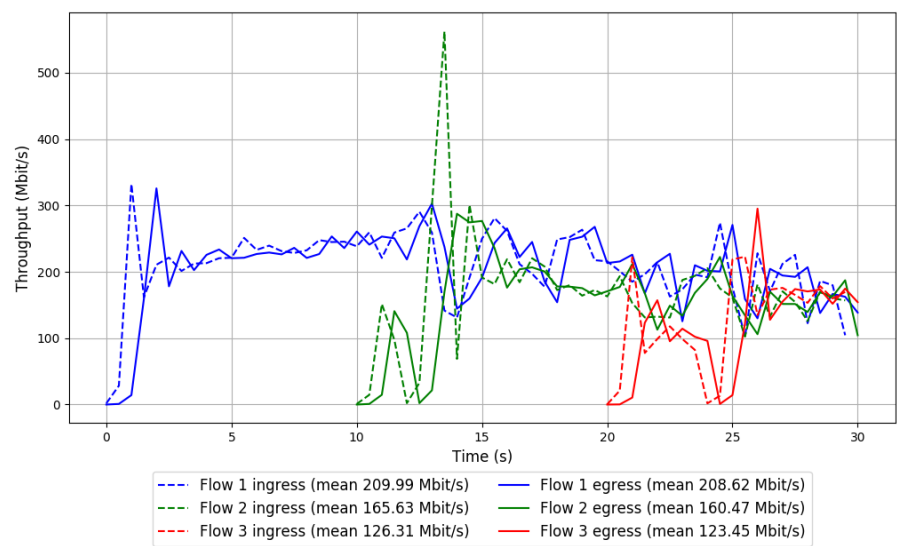


Run 6: Statistics of Verus

Start at: 2018-07-01 06:12:58
End at: 2018-07-01 06:13:28
Local clock offset: -0.081 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-01 10:54:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 355.62 Mbit/s
95th percentile per-packet one-way delay: 166.655 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 208.62 Mbit/s
95th percentile per-packet one-way delay: 140.364 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 160.47 Mbit/s
95th percentile per-packet one-way delay: 230.706 ms
Loss rate: 3.74%
-- Flow 3:
Average throughput: 123.45 Mbit/s
95th percentile per-packet one-way delay: 178.572 ms
Loss rate: 2.92%

Run 6: Report of Verus — Data Link

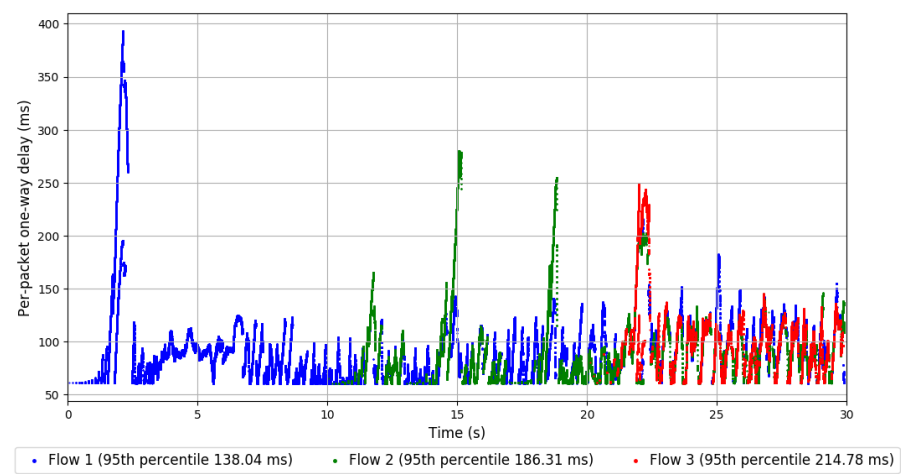
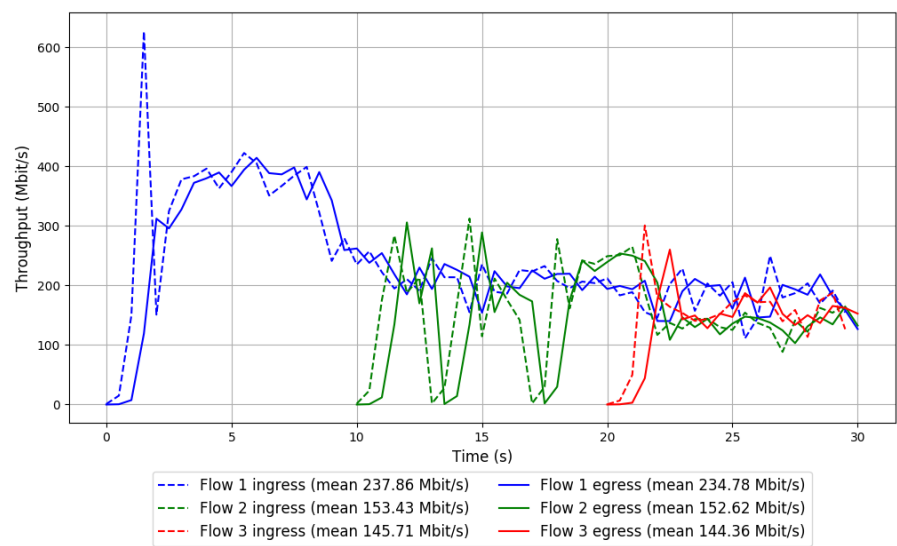


Run 7: Statistics of Verus

Start at: 2018-07-01 06:38:13
End at: 2018-07-01 06:38:43
Local clock offset: -0.002 ms
Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-01 10:55:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 383.31 Mbit/s
95th percentile per-packet one-way delay: 156.206 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 234.78 Mbit/s
95th percentile per-packet one-way delay: 138.036 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 152.62 Mbit/s
95th percentile per-packet one-way delay: 186.314 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 144.36 Mbit/s
95th percentile per-packet one-way delay: 214.776 ms
Loss rate: 2.80%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-01 07:03:09

End at: 2018-07-01 07:03:39

Local clock offset: -0.097 ms

Remote clock offset: 0.226 ms

Below is generated by plot.py at 2018-07-01 10:55:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 338.52 Mbit/s

95th percentile per-packet one-way delay: 190.995 ms

Loss rate: 2.08%

-- Flow 1:

Average throughput: 214.06 Mbit/s

95th percentile per-packet one-way delay: 181.589 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 150.37 Mbit/s

95th percentile per-packet one-way delay: 172.583 ms

Loss rate: 1.61%

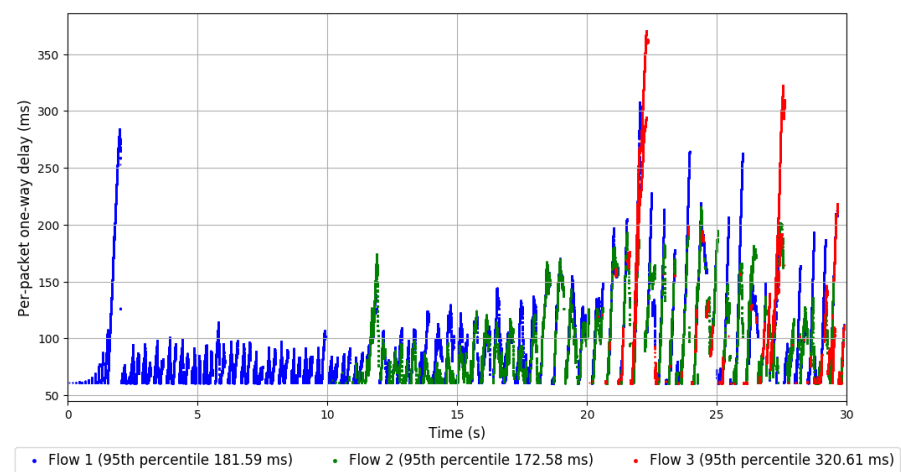
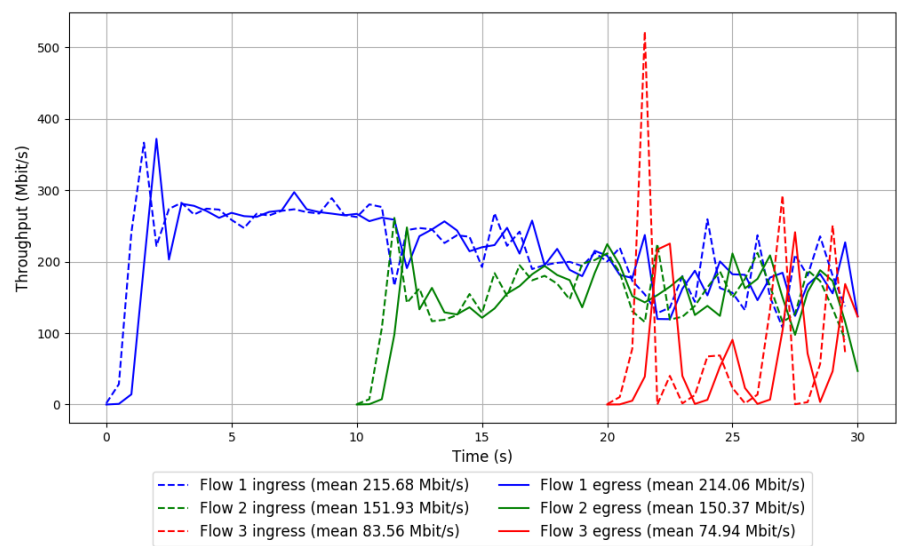
-- Flow 3:

Average throughput: 74.94 Mbit/s

95th percentile per-packet one-way delay: 320.610 ms

Loss rate: 11.10%

Run 8: Report of Verus — Data Link

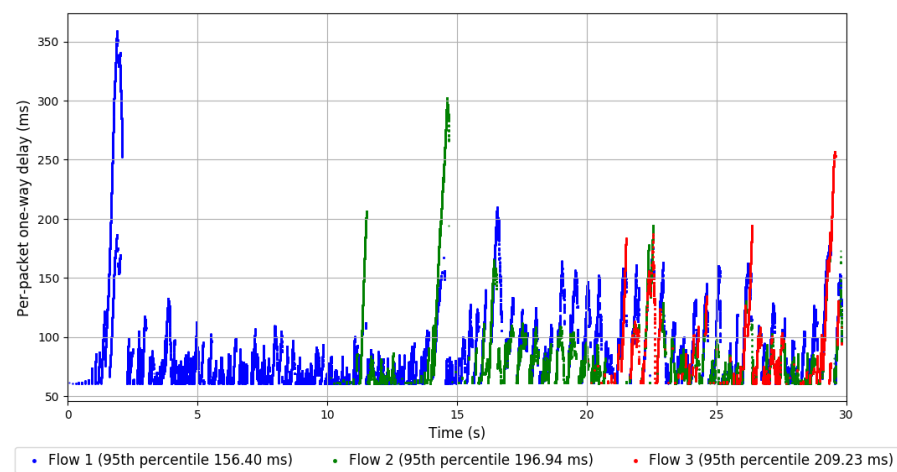
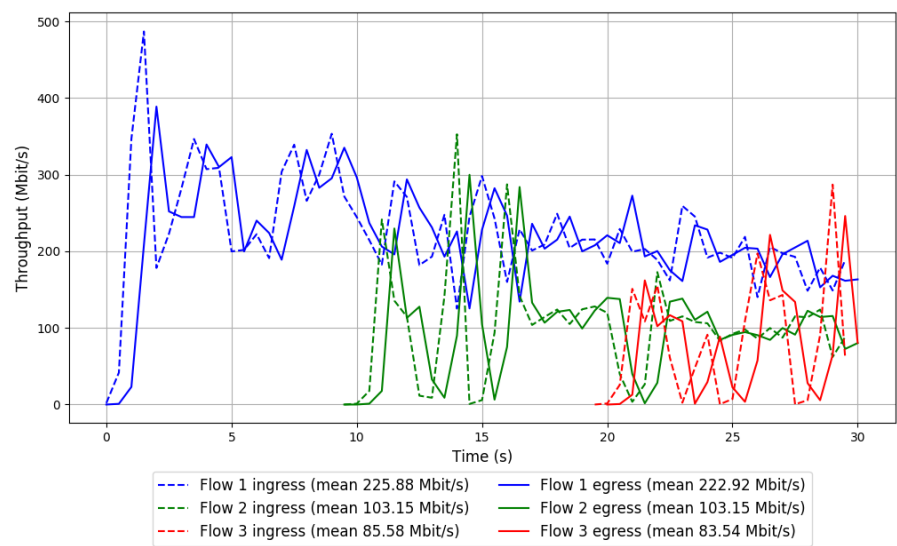


Run 9: Statistics of Verus

Start at: 2018-07-01 07:28:13
End at: 2018-07-01 07:28:43
Local clock offset: -0.138 ms
Remote clock offset: 0.081 ms

Below is generated by plot.py at 2018-07-01 10:57:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 319.11 Mbit/s
95th percentile per-packet one-way delay: 170.335 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 222.92 Mbit/s
95th percentile per-packet one-way delay: 156.400 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 103.15 Mbit/s
95th percentile per-packet one-way delay: 196.936 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 83.54 Mbit/s
95th percentile per-packet one-way delay: 209.230 ms
Loss rate: 2.82%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-01 07:53:04

End at: 2018-07-01 07:53:34

Local clock offset: -0.1 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-01 10:58:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 352.21 Mbit/s

95th percentile per-packet one-way delay: 157.629 ms

Loss rate: 1.57%

-- Flow 1:

Average throughput: 226.81 Mbit/s

95th percentile per-packet one-way delay: 142.754 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 145.77 Mbit/s

95th percentile per-packet one-way delay: 179.319 ms

Loss rate: 2.35%

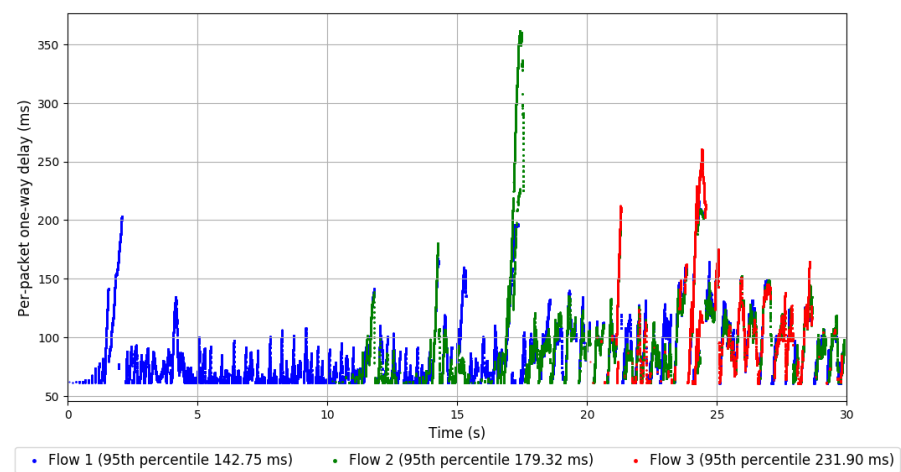
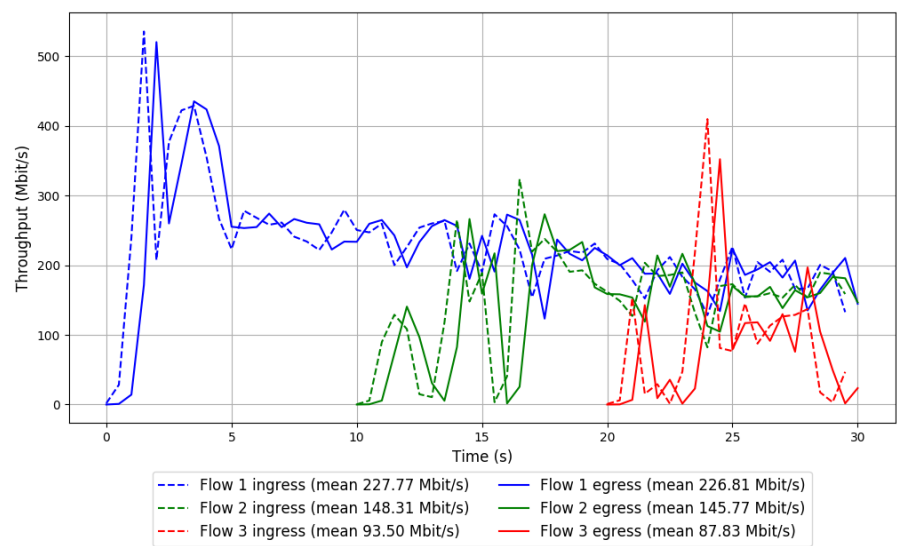
-- Flow 3:

Average throughput: 87.83 Mbit/s

95th percentile per-packet one-way delay: 231.903 ms

Loss rate: 7.60%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-01 04:27:12

End at: 2018-07-01 04:27:42

Local clock offset: -0.075 ms

Remote clock offset: 1.312 ms

Below is generated by plot.py at 2018-07-01 11:03:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 517.69 Mbit/s

95th percentile per-packet one-way delay: 75.568 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 316.02 Mbit/s

95th percentile per-packet one-way delay: 83.591 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 220.53 Mbit/s

95th percentile per-packet one-way delay: 64.496 ms

Loss rate: 0.74%

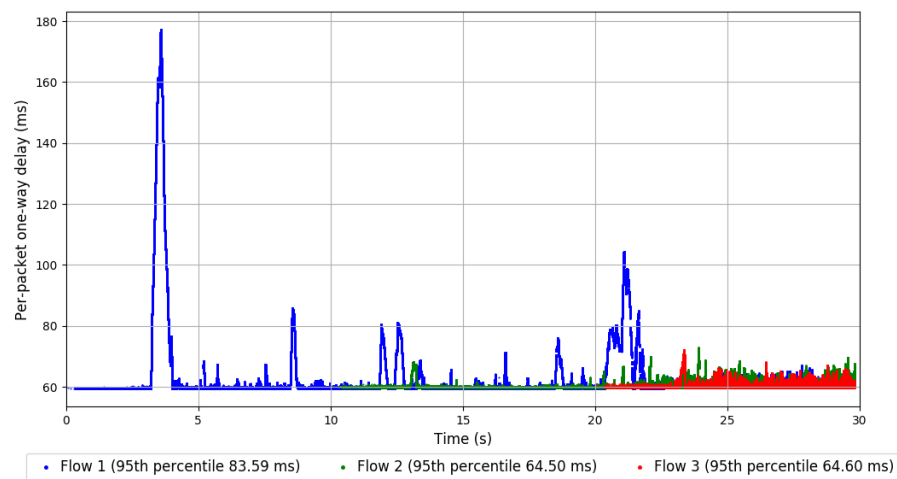
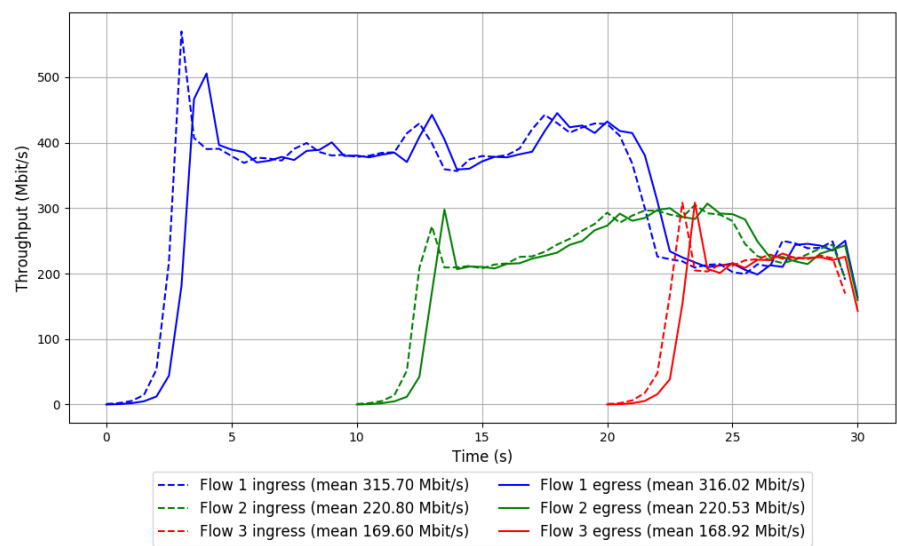
-- Flow 3:

Average throughput: 168.92 Mbit/s

95th percentile per-packet one-way delay: 64.596 ms

Loss rate: 1.65%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-01 04:51:45

End at: 2018-07-01 04:52:15

Local clock offset: -0.008 ms

Remote clock offset: 0.343 ms

Below is generated by plot.py at 2018-07-01 11:03:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 431.37 Mbit/s

95th percentile per-packet one-way delay: 227.166 ms

Loss rate: 3.19%

-- Flow 1:

Average throughput: 208.51 Mbit/s

95th percentile per-packet one-way delay: 193.774 ms

Loss rate: 4.47%

-- Flow 2:

Average throughput: 209.57 Mbit/s

95th percentile per-packet one-way delay: 157.297 ms

Loss rate: 1.63%

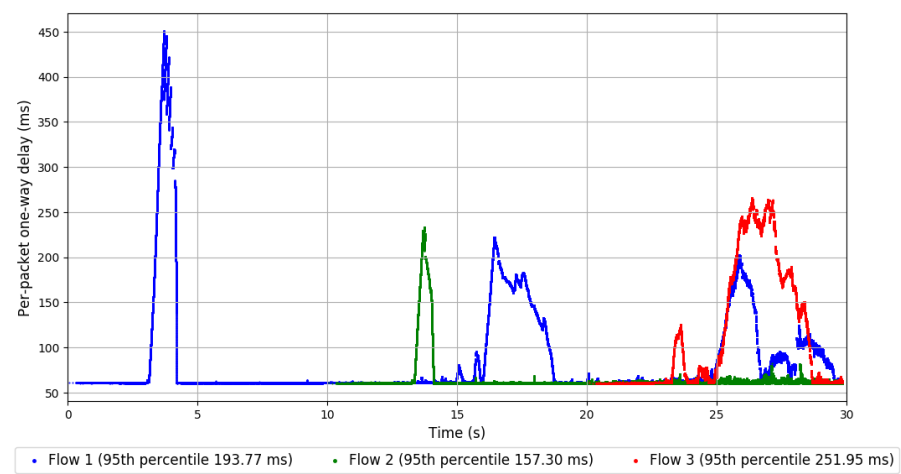
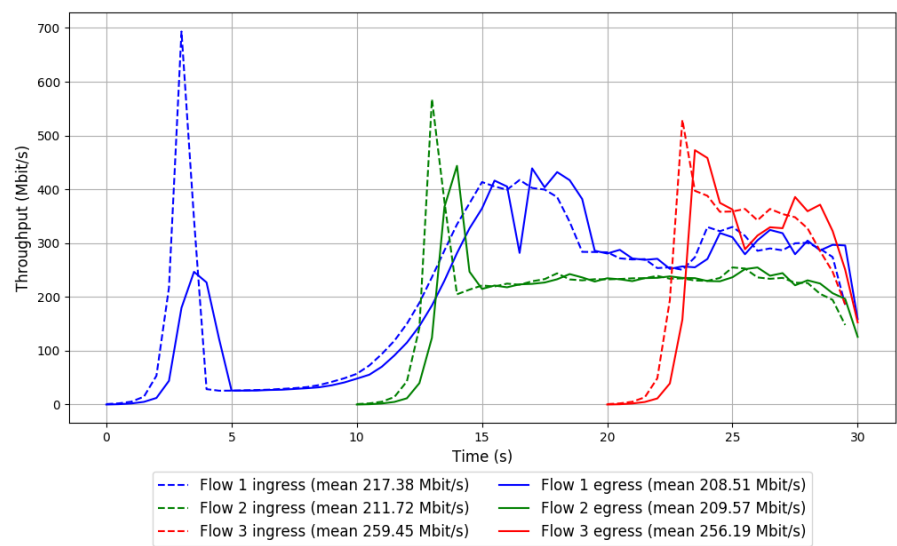
-- Flow 3:

Average throughput: 256.19 Mbit/s

95th percentile per-packet one-way delay: 251.950 ms

Loss rate: 2.48%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-01 05:16:19

End at: 2018-07-01 05:16:49

Local clock offset: 0.014 ms

Remote clock offset: 0.289 ms

Below is generated by plot.py at 2018-07-01 11:03:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 438.91 Mbit/s

95th percentile per-packet one-way delay: 187.432 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 286.02 Mbit/s

95th percentile per-packet one-way delay: 198.151 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 207.01 Mbit/s

95th percentile per-packet one-way delay: 63.741 ms

Loss rate: 0.81%

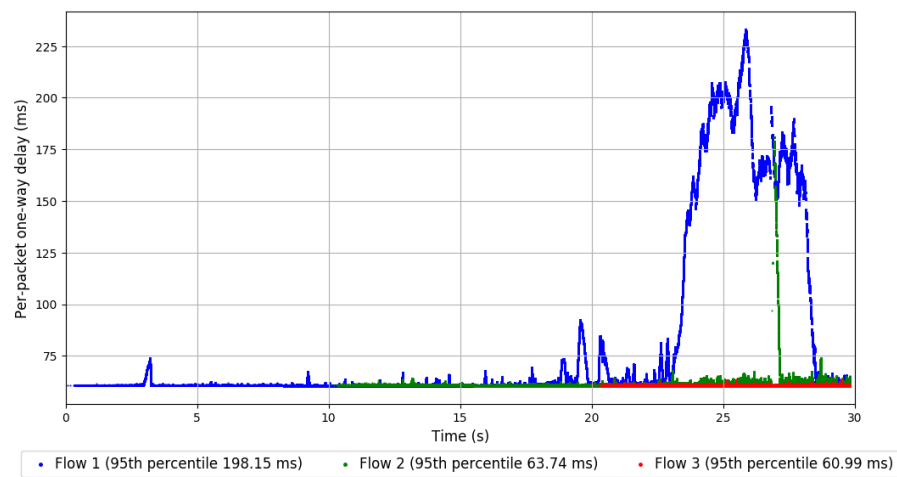
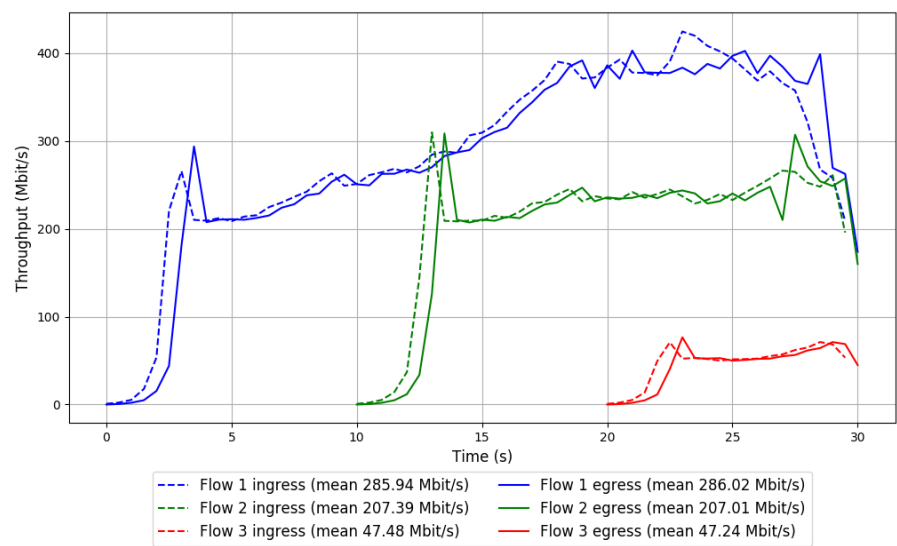
-- Flow 3:

Average throughput: 47.24 Mbit/s

95th percentile per-packet one-way delay: 60.986 ms

Loss rate: 1.76%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-01 05:40:52

End at: 2018-07-01 05:41:22

Local clock offset: -0.072 ms

Remote clock offset: 0.161 ms

Below is generated by plot.py at 2018-07-01 11:06:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 488.02 Mbit/s

95th percentile per-packet one-way delay: 148.519 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 311.08 Mbit/s

95th percentile per-packet one-way delay: 180.573 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 243.91 Mbit/s

95th percentile per-packet one-way delay: 69.879 ms

Loss rate: 0.63%

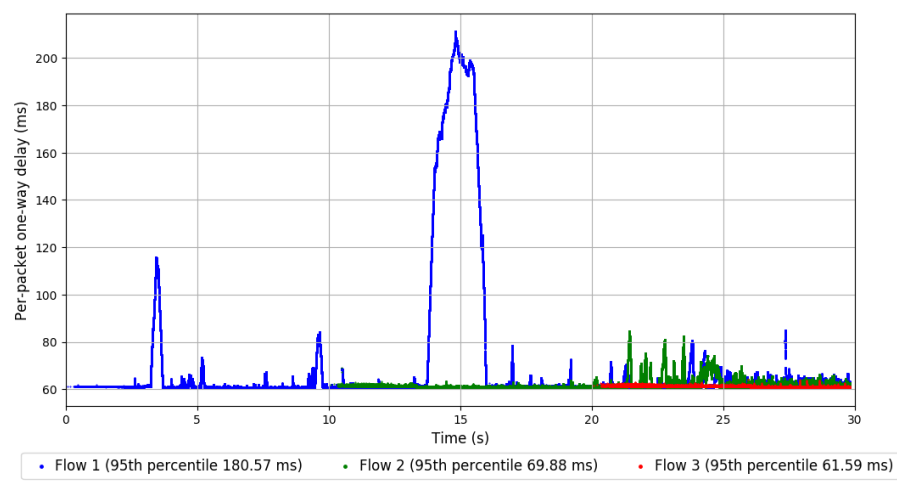
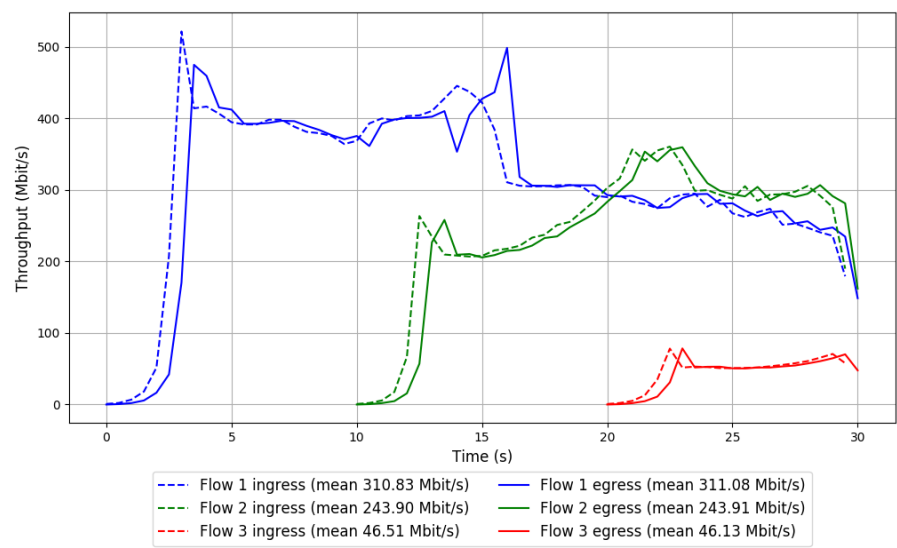
-- Flow 3:

Average throughput: 46.13 Mbit/s

95th percentile per-packet one-way delay: 61.593 ms

Loss rate: 2.07%

Run 4: Report of PCC-Vivace — Data Link

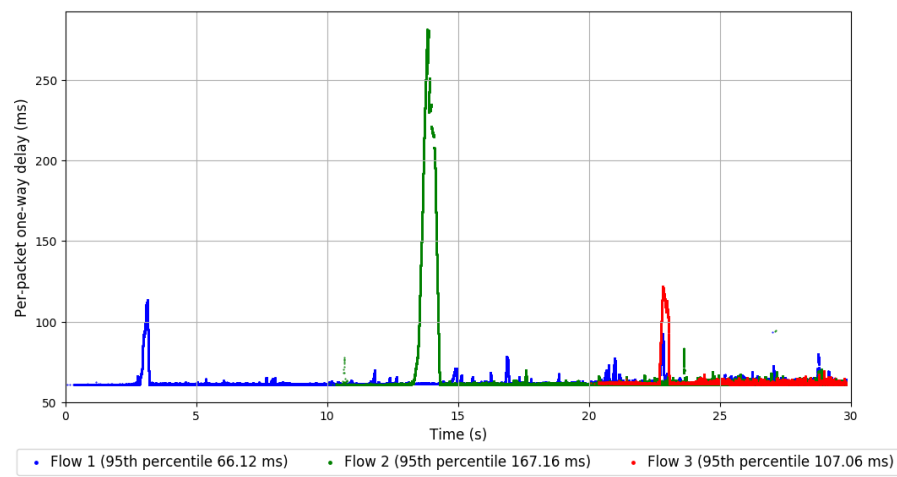
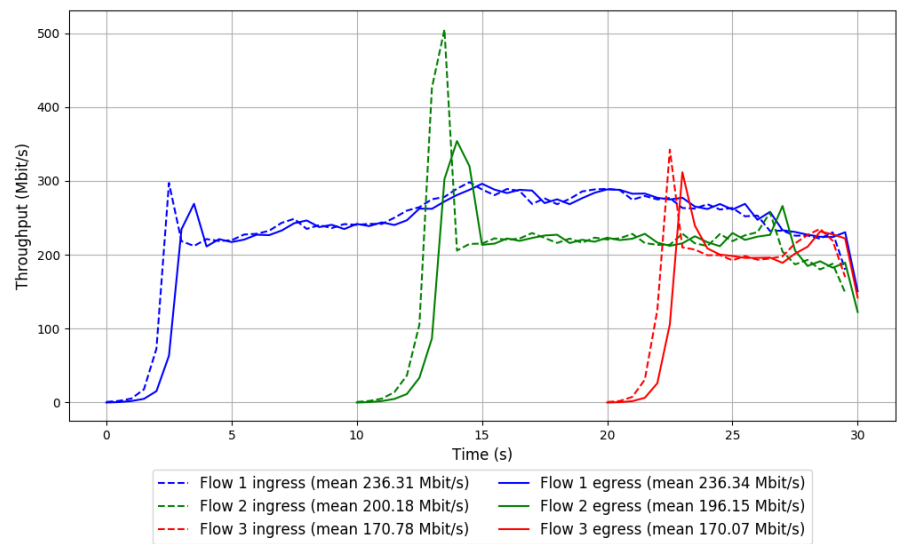


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-01 06:05:32
End at: 2018-07-01 06:06:02
Local clock offset: -0.109 ms
Remote clock offset: -0.305 ms

Below is generated by plot.py at 2018-07-01 11:06:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 422.17 Mbit/s
95th percentile per-packet one-way delay: 72.389 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 236.34 Mbit/s
95th percentile per-packet one-way delay: 66.120 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 196.15 Mbit/s
95th percentile per-packet one-way delay: 167.164 ms
Loss rate: 2.62%
-- Flow 3:
Average throughput: 170.07 Mbit/s
95th percentile per-packet one-way delay: 107.063 ms
Loss rate: 1.66%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-01 06:30:46

End at: 2018-07-01 06:31:16

Local clock offset: 0.0 ms

Remote clock offset: 1.218 ms

Below is generated by plot.py at 2018-07-01 11:06:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 503.33 Mbit/s

95th percentile per-packet one-way delay: 240.438 ms

Loss rate: 2.22%

-- Flow 1:

Average throughput: 293.98 Mbit/s

95th percentile per-packet one-way delay: 282.269 ms

Loss rate: 2.70%

-- Flow 2:

Average throughput: 236.40 Mbit/s

95th percentile per-packet one-way delay: 188.045 ms

Loss rate: 1.58%

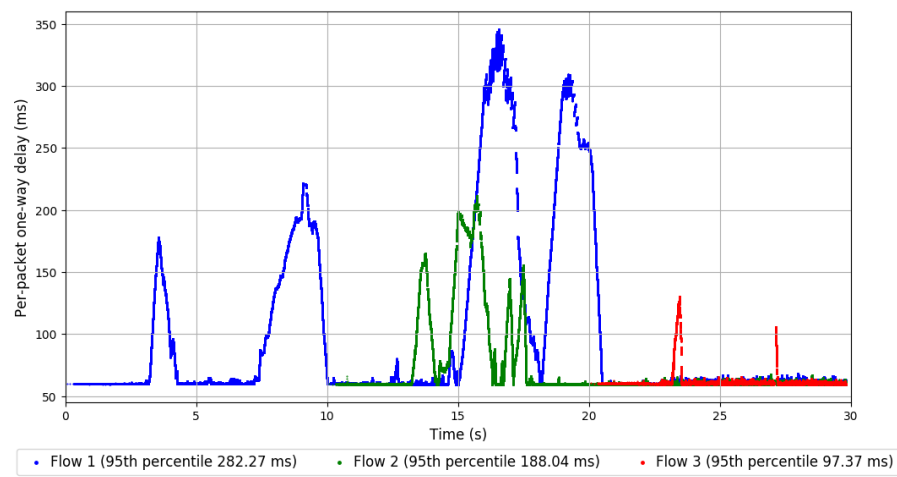
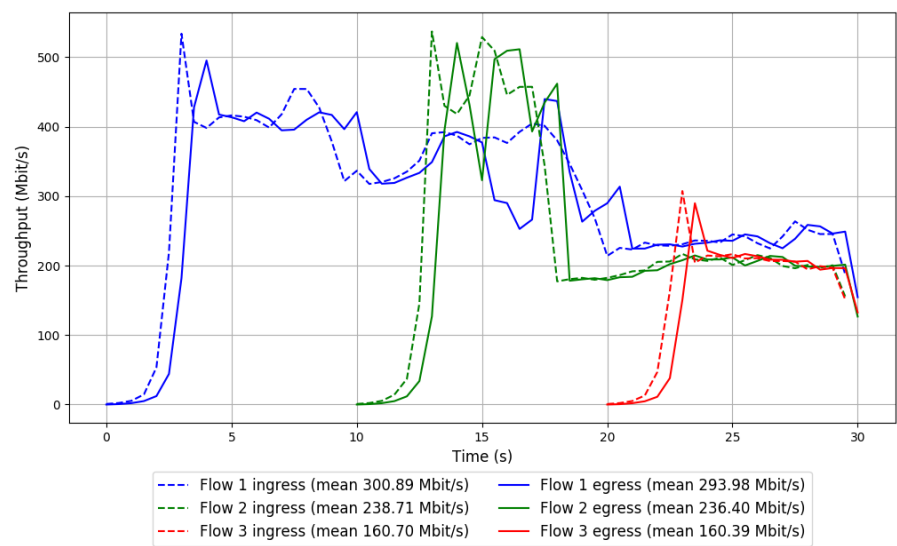
-- Flow 3:

Average throughput: 160.39 Mbit/s

95th percentile per-packet one-way delay: 97.371 ms

Loss rate: 1.44%

Run 6: Report of PCC-Vivace — Data Link

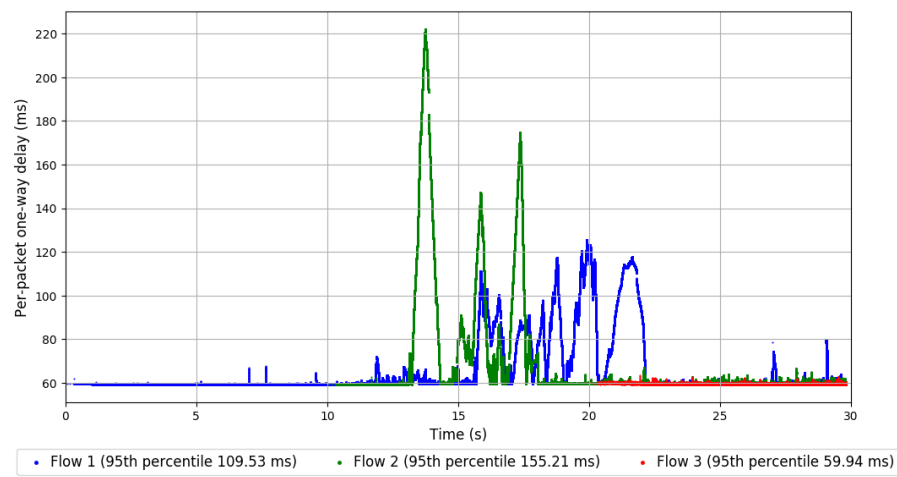
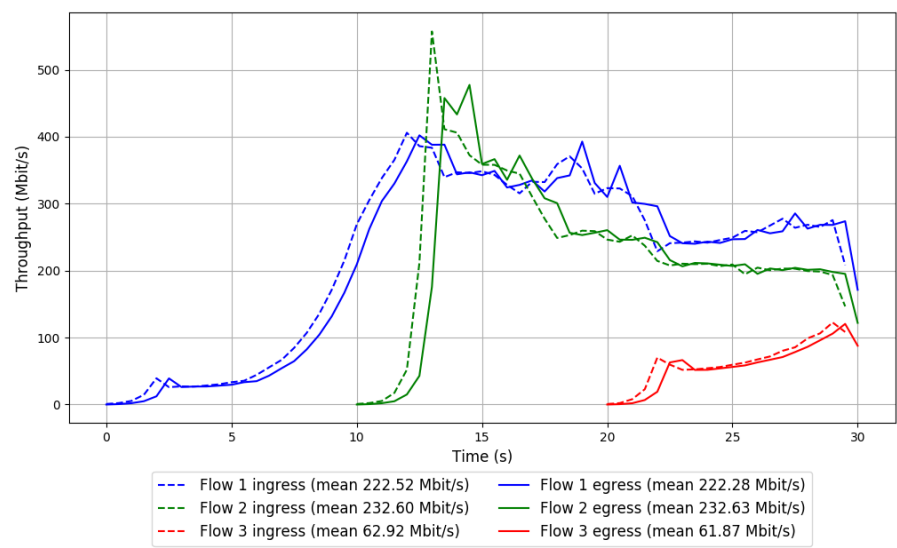


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-01 06:55:54
End at: 2018-07-01 06:56:24
Local clock offset: -0.061 ms
Remote clock offset: 1.431 ms

Below is generated by plot.py at 2018-07-01 11:06:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 396.94 Mbit/s
95th percentile per-packet one-way delay: 116.606 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 222.28 Mbit/s
95th percentile per-packet one-way delay: 109.525 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 232.63 Mbit/s
95th percentile per-packet one-way delay: 155.205 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 61.87 Mbit/s
95th percentile per-packet one-way delay: 59.936 ms
Loss rate: 2.90%

Run 7: Report of PCC-Vivace — Data Link

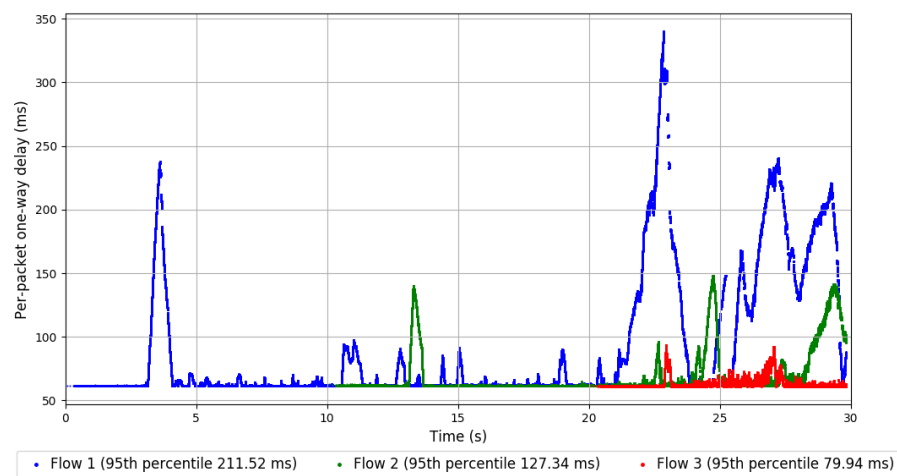
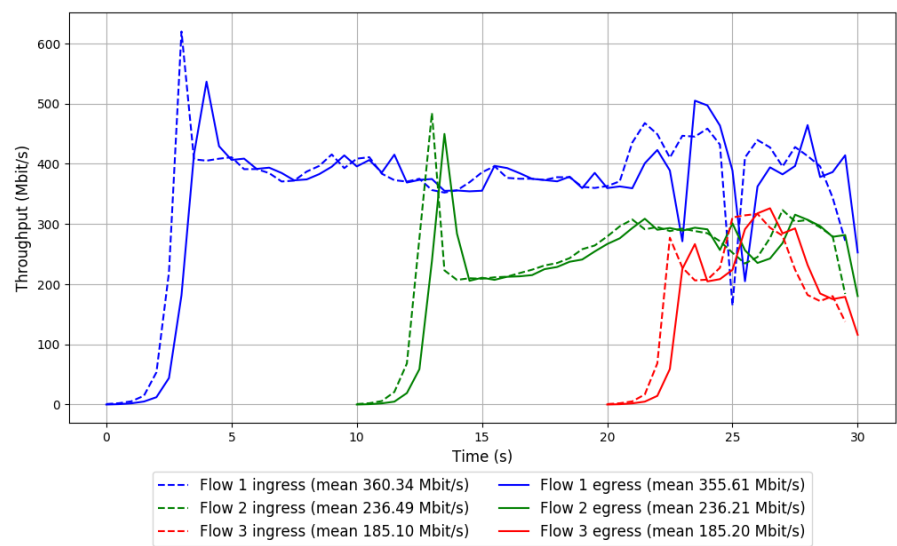


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-01 07:20:47
End at: 2018-07-01 07:21:17
Local clock offset: -0.125 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-07-01 11:08:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 573.00 Mbit/s
95th percentile per-packet one-way delay: 198.635 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 355.61 Mbit/s
95th percentile per-packet one-way delay: 211.519 ms
Loss rate: 1.72%
-- Flow 2:
Average throughput: 236.21 Mbit/s
95th percentile per-packet one-way delay: 127.344 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 185.20 Mbit/s
95th percentile per-packet one-way delay: 79.939 ms
Loss rate: 1.19%

Run 8: Report of PCC-Vivace — Data Link

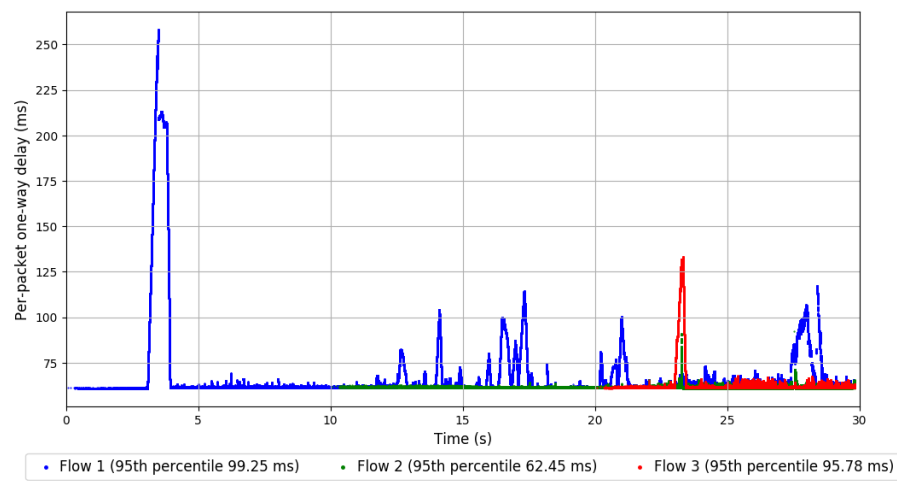
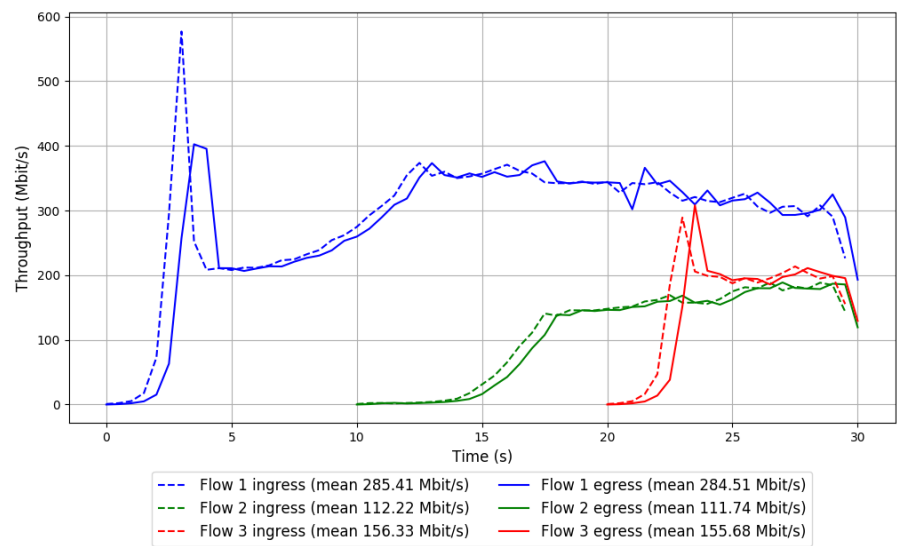


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-01 07:45:54
End at: 2018-07-01 07:46:24
Local clock offset: -0.094 ms
Remote clock offset: -0.285 ms

Below is generated by plot.py at 2018-07-01 11:08:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 409.61 Mbit/s
95th percentile per-packet one-way delay: 95.411 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 284.51 Mbit/s
95th percentile per-packet one-way delay: 99.254 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 111.74 Mbit/s
95th percentile per-packet one-way delay: 62.455 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 155.68 Mbit/s
95th percentile per-packet one-way delay: 95.783 ms
Loss rate: 1.66%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-01 08:10:45

End at: 2018-07-01 08:11:15

Local clock offset: -0.053 ms

Remote clock offset: 0.296 ms

Below is generated by plot.py at 2018-07-01 11:08:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 504.80 Mbit/s

95th percentile per-packet one-way delay: 172.300 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 266.97 Mbit/s

95th percentile per-packet one-way delay: 147.167 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 278.08 Mbit/s

95th percentile per-packet one-way delay: 192.124 ms

Loss rate: 1.54%

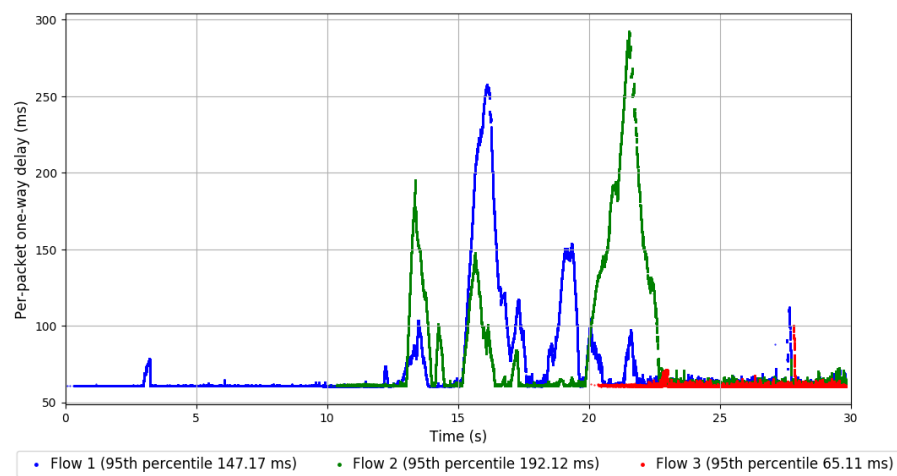
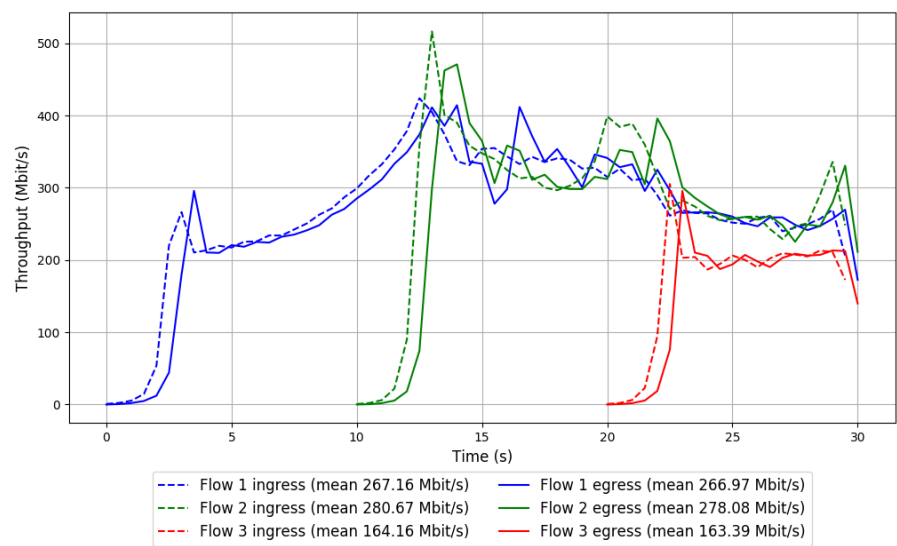
-- Flow 3:

Average throughput: 163.39 Mbit/s

95th percentile per-packet one-way delay: 65.112 ms

Loss rate: 1.73%

Run 10: Report of PCC-Vivace — Data Link

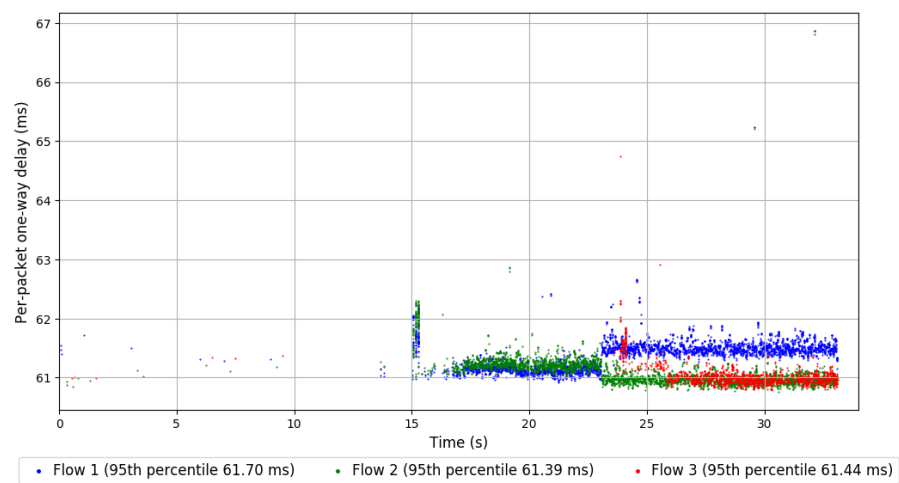
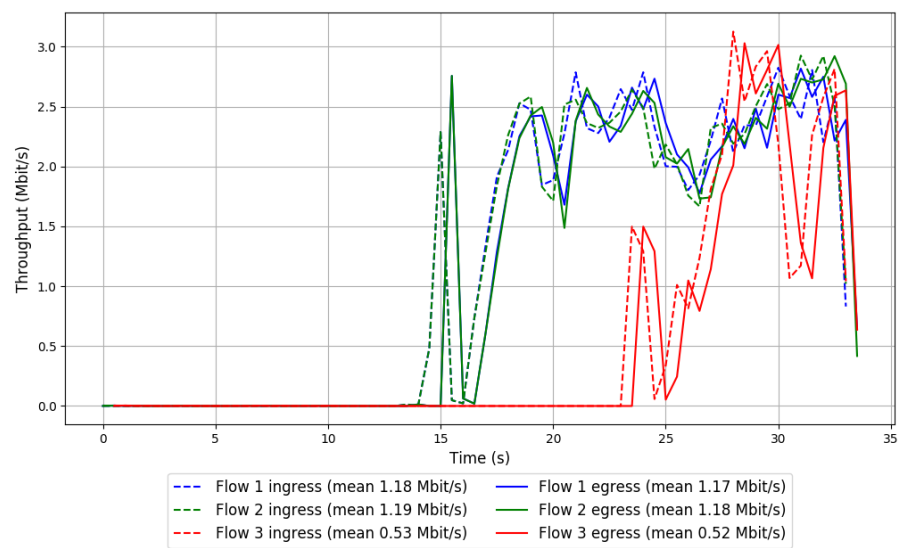


Run 1: Statistics of WebRTC media

Start at: 2018-07-01 04:23:55
End at: 2018-07-01 04:24:25
Local clock offset: -0.082 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-01 11:08:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.86 Mbit/s
95th percentile per-packet one-way delay: 61.631 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 61.700 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 61.387 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 61.439 ms
Loss rate: 2.34%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-01 04:48:29

End at: 2018-07-01 04:48:59

Local clock offset: -0.004 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-01 11:08:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.88 Mbit/s

95th percentile per-packet one-way delay: 61.256 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 61.254 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 61.061 ms

Loss rate: 0.85%

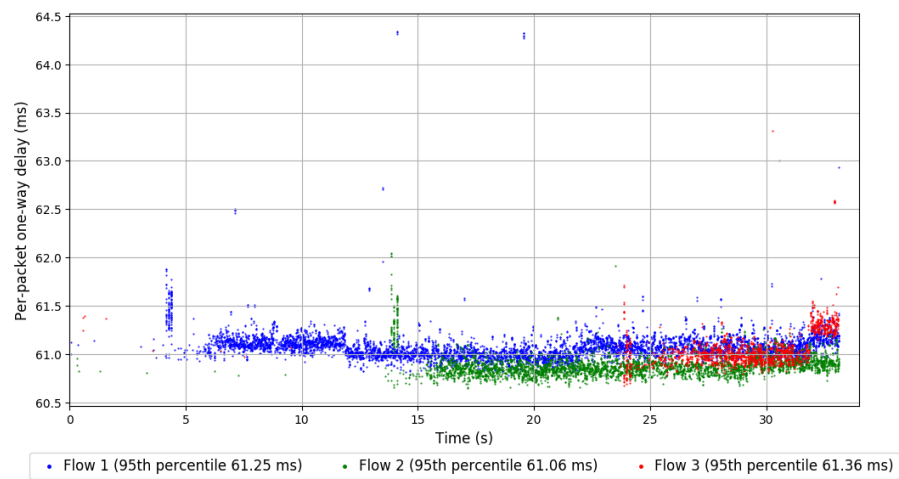
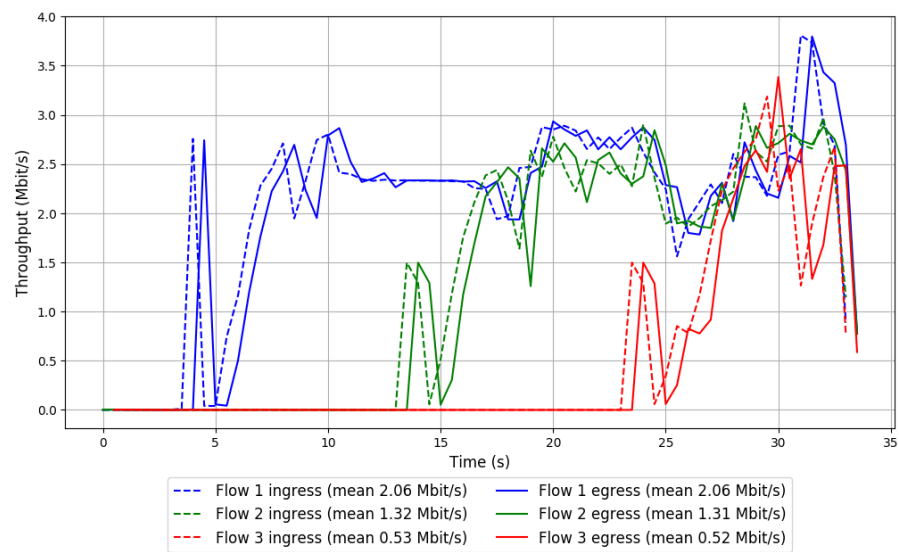
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 61.357 ms

Loss rate: 1.68%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-01 05:13:01

End at: 2018-07-01 05:13:31

Local clock offset: 0.046 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-01 11:08:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.82 Mbit/s

95th percentile per-packet one-way delay: 61.522 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 61.265 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 61.615 ms

Loss rate: 0.76%

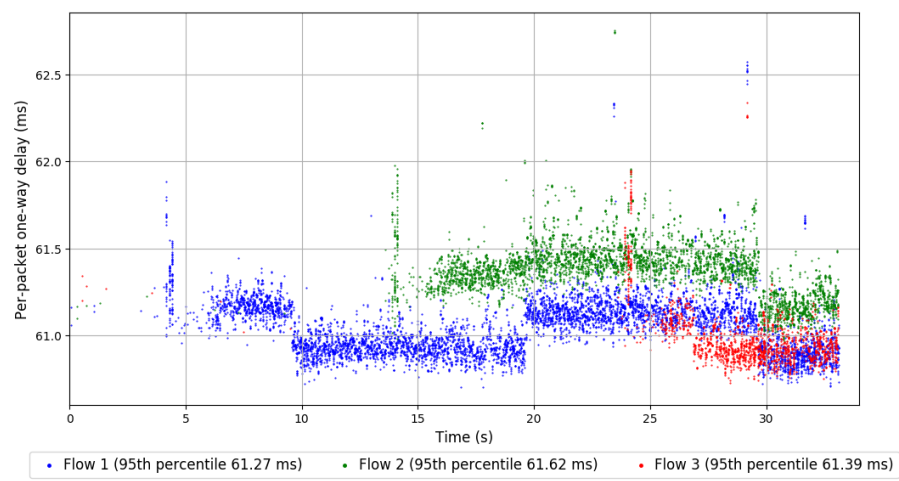
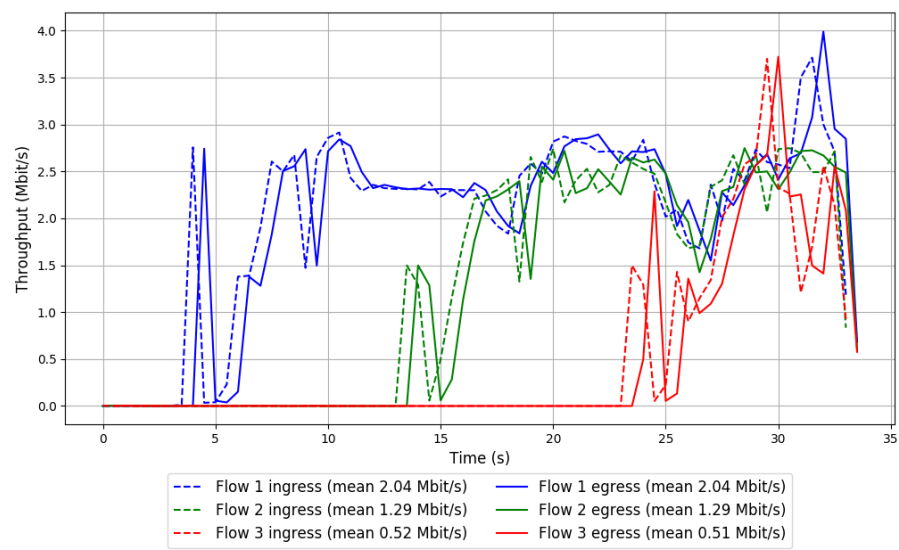
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 61.386 ms

Loss rate: 2.20%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-01 05:37:35

End at: 2018-07-01 05:38:05

Local clock offset: -0.054 ms

Remote clock offset: 0.222 ms

Below is generated by plot.py at 2018-07-01 11:08:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.84 Mbit/s

95th percentile per-packet one-way delay: 61.324 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 61.357 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 61.183 ms

Loss rate: 0.99%

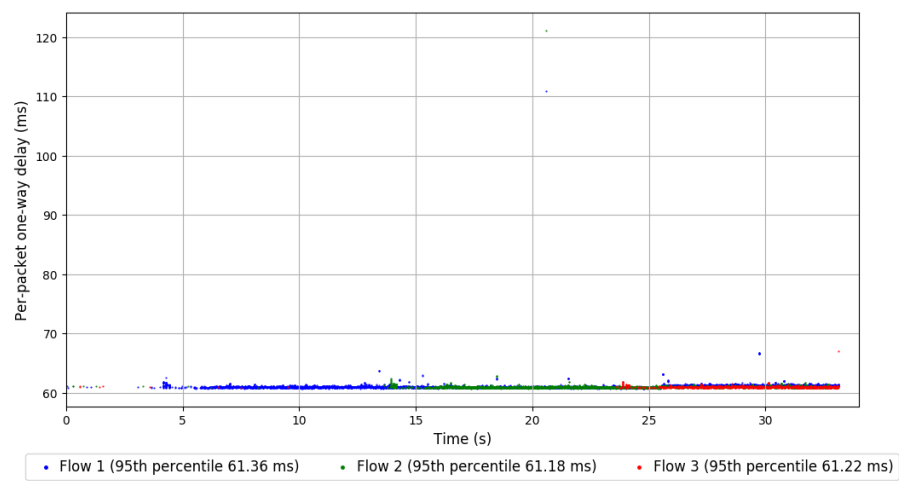
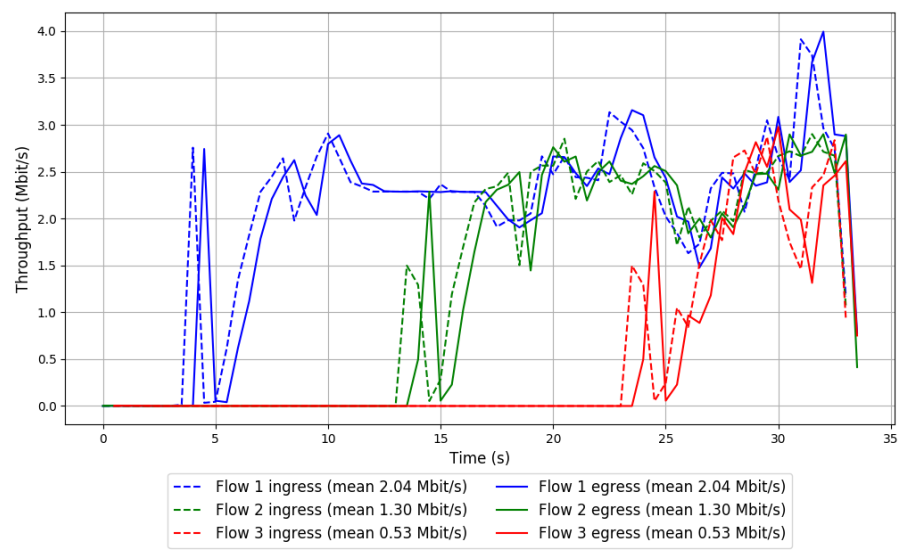
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 61.220 ms

Loss rate: 1.65%

Run 4: Report of WebRTC media — Data Link

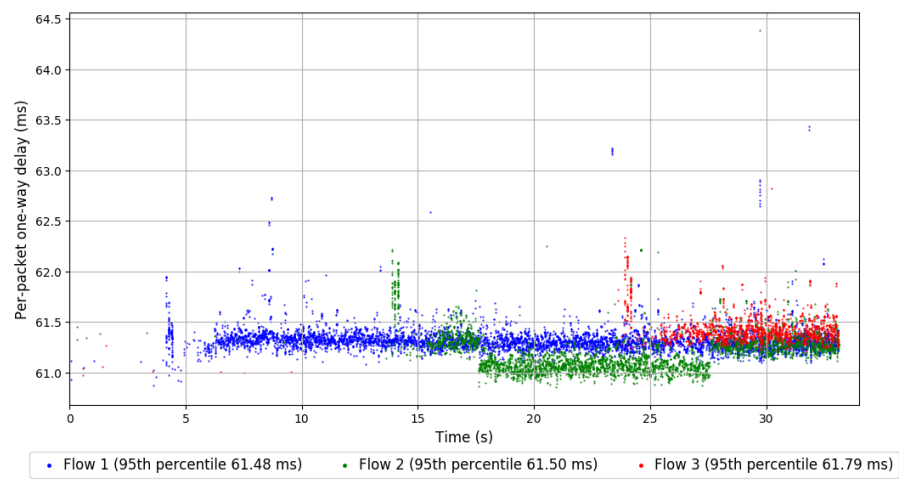
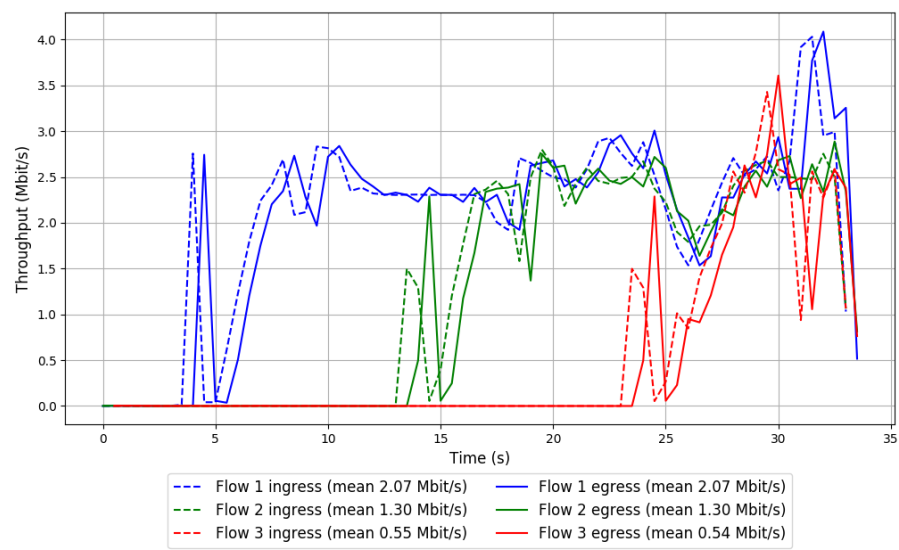


Run 5: Statistics of WebRTC media

Start at: 2018-07-01 06:02:13
End at: 2018-07-01 06:02:43
Local clock offset: -0.073 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-07-01 11:08:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 61.544 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 61.478 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 61.497 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 61.787 ms
Loss rate: 1.98%

Run 5: Report of WebRTC media — Data Link

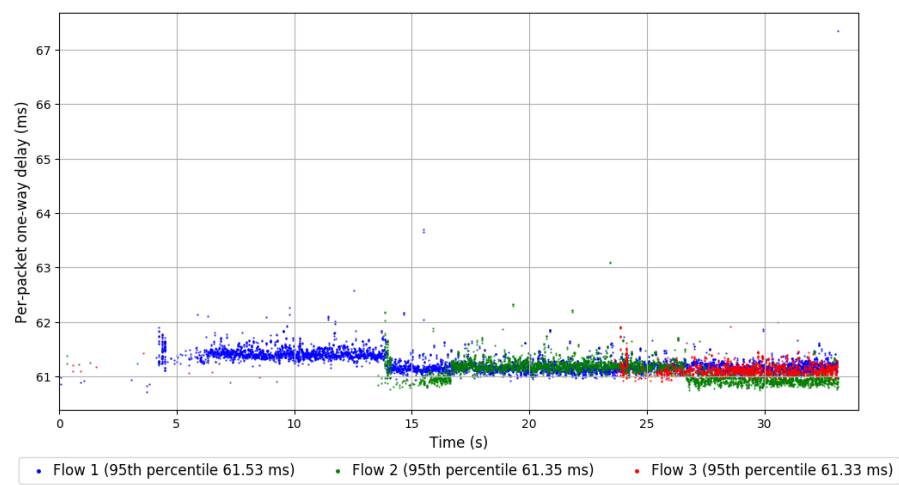
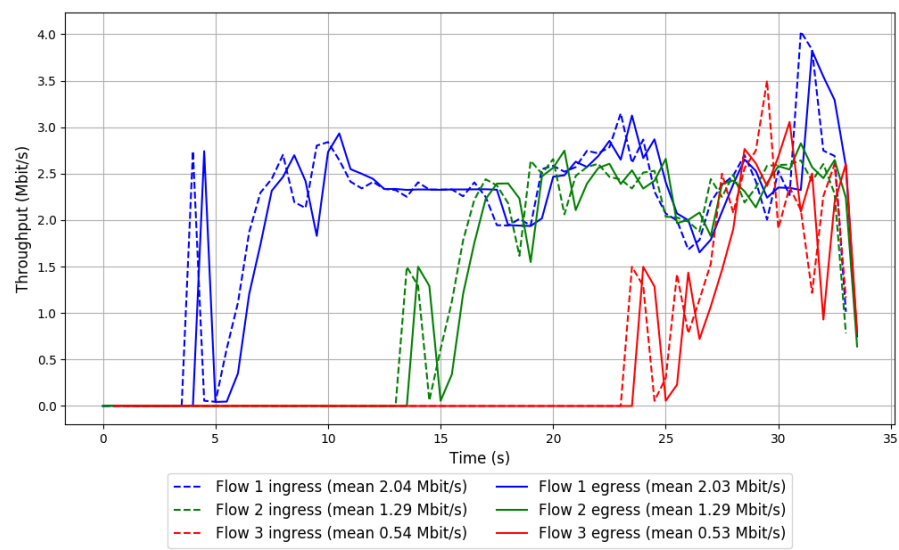


Run 6: Statistics of WebRTC media

Start at: 2018-07-01 06:27:04
End at: 2018-07-01 06:27:34
Local clock offset: -0.03 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-01 11:08:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 61.480 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 61.528 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 61.355 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 61.332 ms
Loss rate: 2.19%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-01 06:52:26

End at: 2018-07-01 06:52:56

Local clock offset: -0.022 ms

Remote clock offset: 1.255 ms

Below is generated by plot.py at 2018-07-01 11:08:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.81 Mbit/s

95th percentile per-packet one-way delay: 60.119 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 60.092 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 59.860 ms

Loss rate: 0.97%

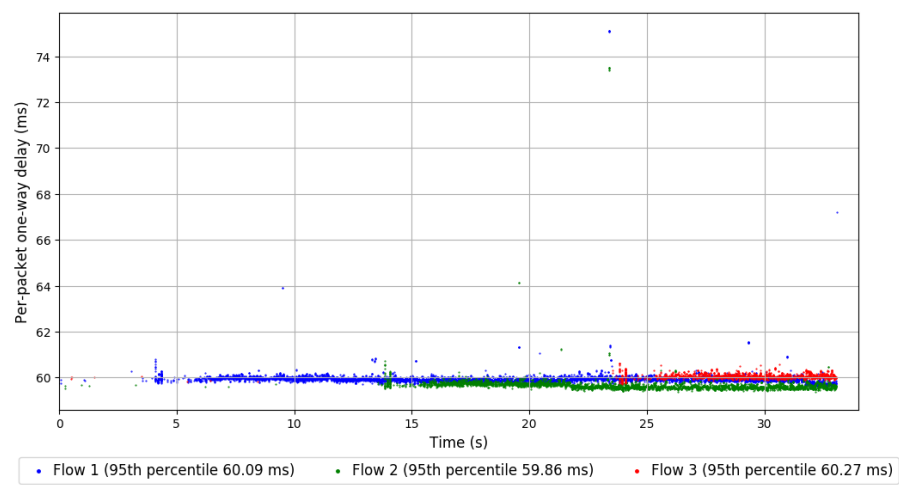
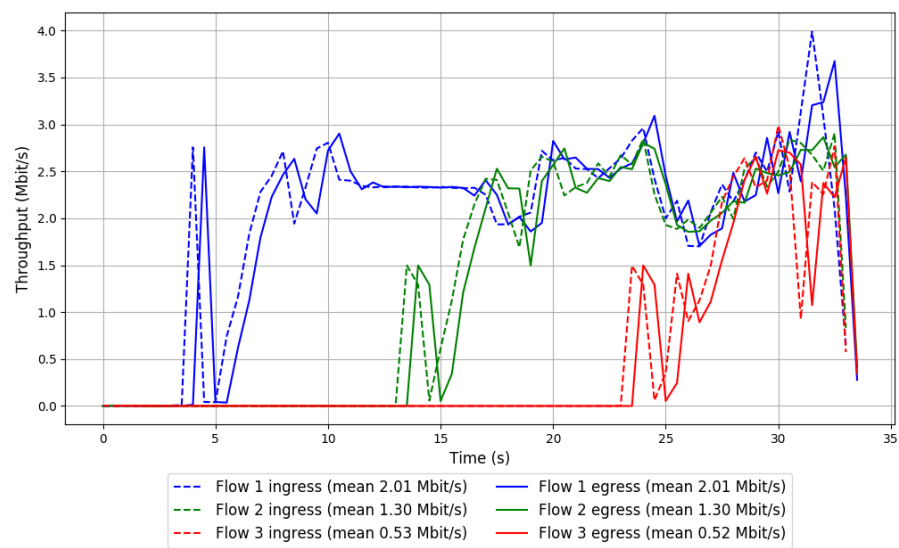
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 60.275 ms

Loss rate: 1.66%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-01 07:17:30

End at: 2018-07-01 07:18:00

Local clock offset: -0.157 ms

Remote clock offset: 1.162 ms

Below is generated by plot.py at 2018-07-01 11:08:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 60.118 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 60.136 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 59.970 ms

Loss rate: 0.70%

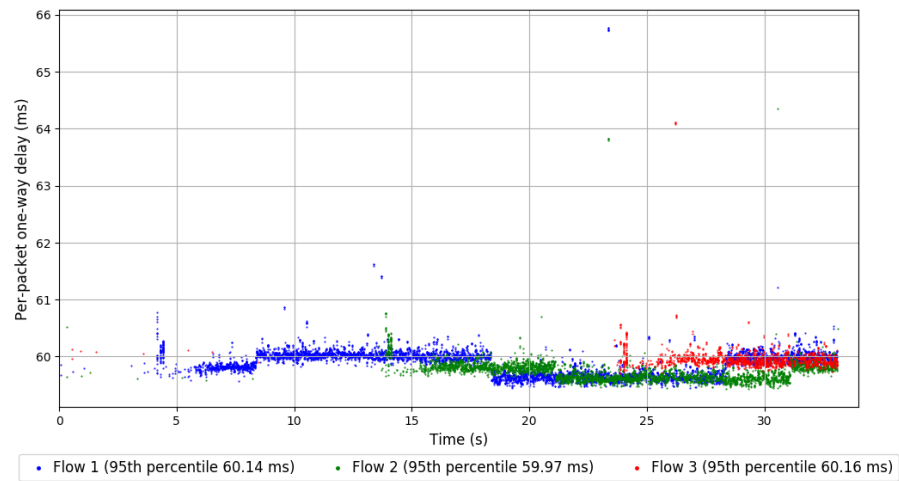
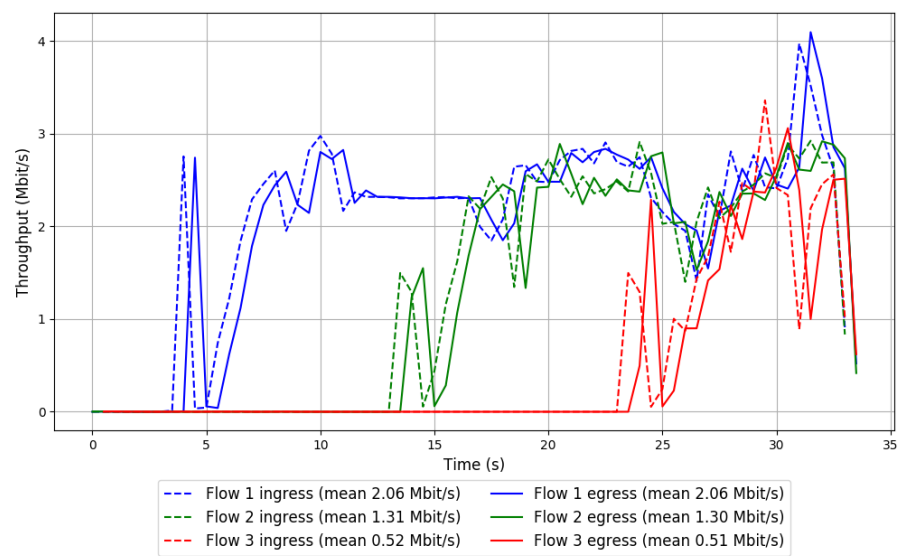
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 60.159 ms

Loss rate: 2.34%

Run 8: Report of WebRTC media — Data Link

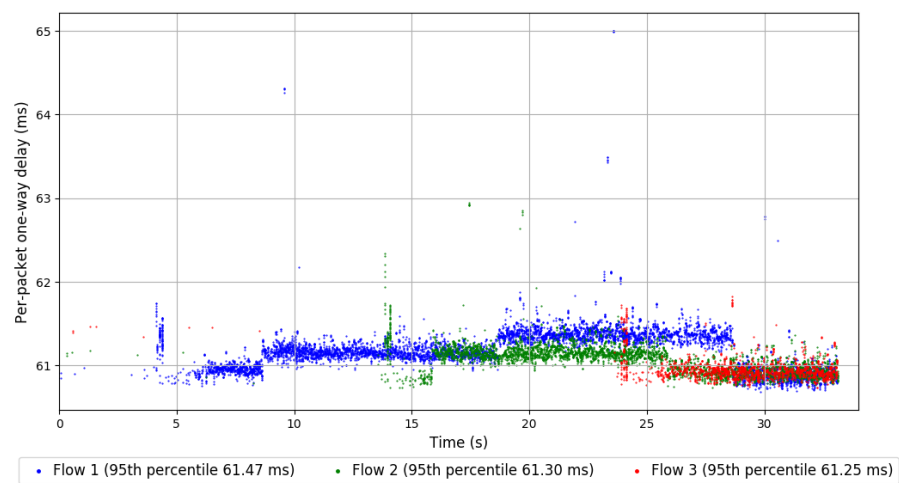
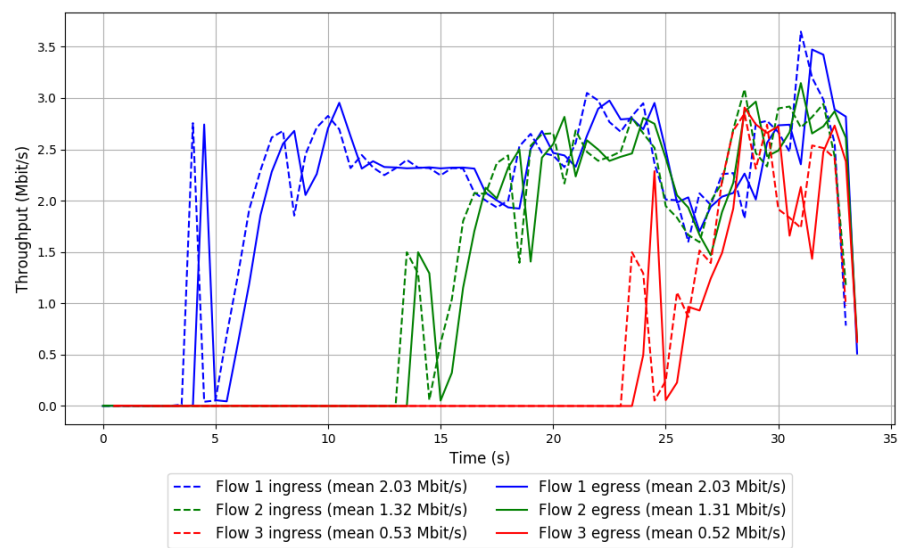


Run 9: Statistics of WebRTC media

Start at: 2018-07-01 07:42:12
End at: 2018-07-01 07:42:42
Local clock offset: -0.091 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-01 11:08:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 61.437 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 61.466 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 61.295 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 61.253 ms
Loss rate: 1.67%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-01 08:07:29
End at: 2018-07-01 08:07:59
Local clock offset: -0.063 ms
Remote clock offset: -0.209 ms

Below is generated by plot.py at 2018-07-01 11:08:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 61.736 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 61.568 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 61.792 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 61.768 ms
Loss rate: 1.65%

Run 10: Report of WebRTC media — Data Link

