

Pantheon Report

Generated at 2018-06-30 22:07:07 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

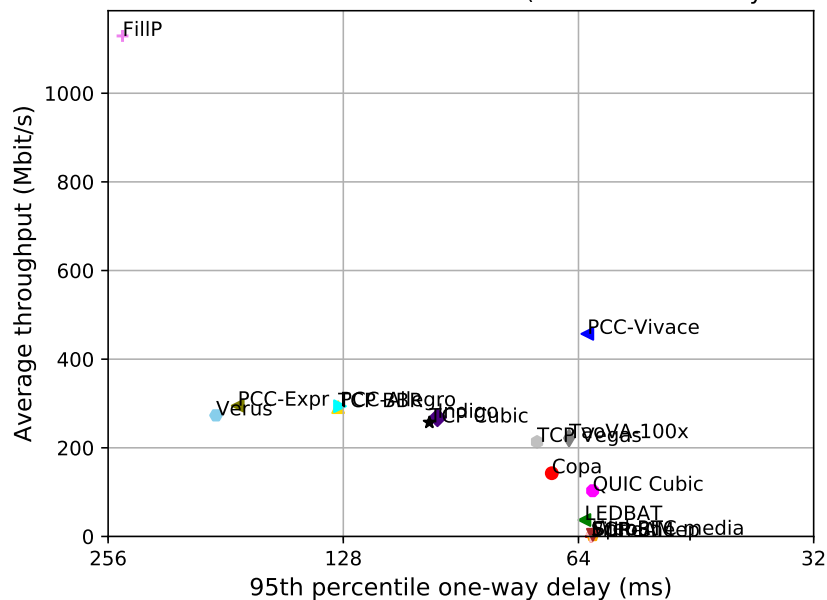
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

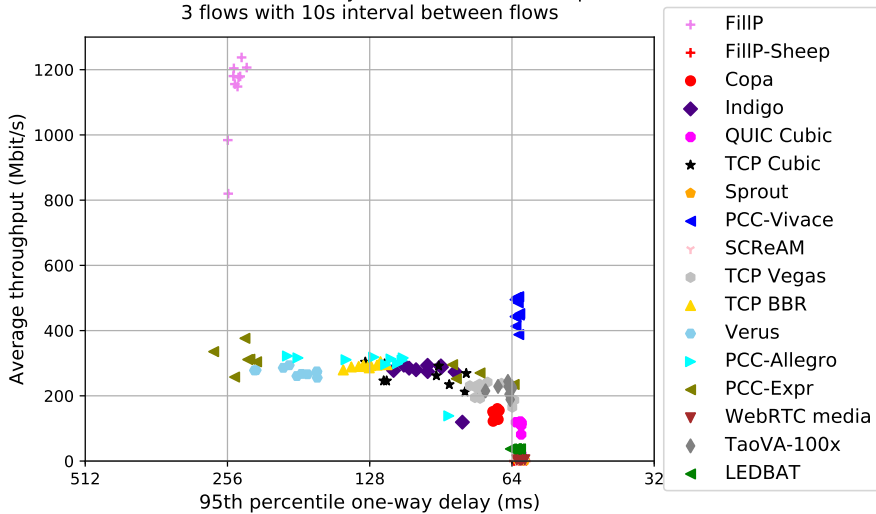
Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-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 Iowa to GCE Tokyo, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



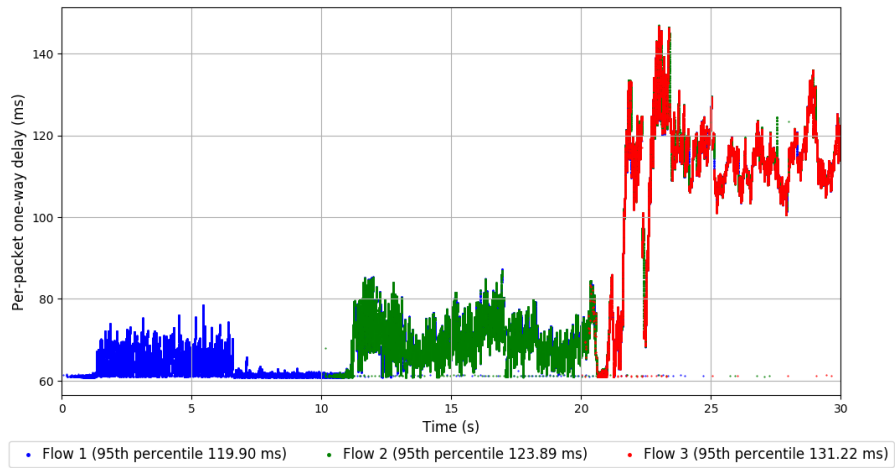
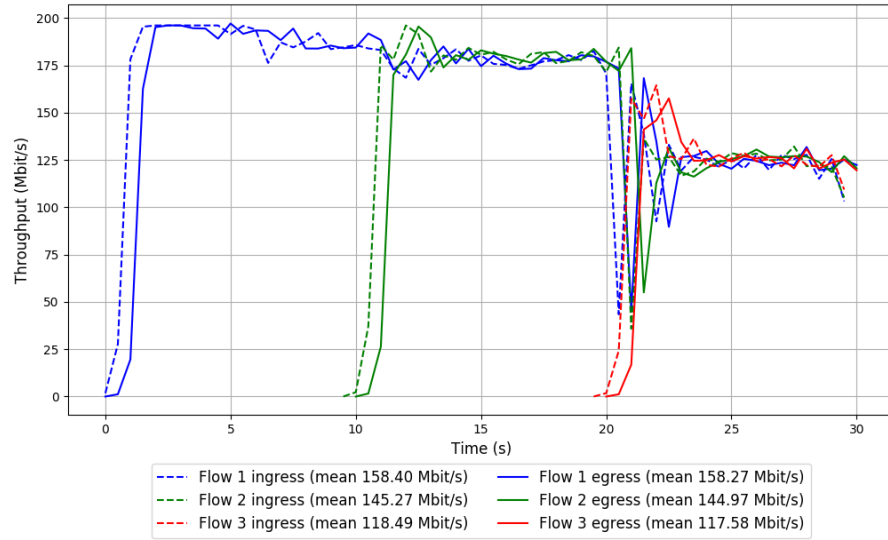
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	156.38	143.91	118.84	125.34	129.78	137.17	0.12	0.22	0.49
Copa	10	79.12	69.99	59.37	68.95	68.84	73.58	0.00	0.01	0.07
TCP Cubic	10	160.06	109.30	73.37	97.16	100.84	100.57	0.09	0.23	0.16
FillP	10	579.38	557.23	540.41	245.41	245.21	224.96	0.40	0.46	0.26
FillP-Sheep	10	0.00	0.00	0.00	61.64	61.60	61.87	0.00	0.00	0.00
Indigo	10	148.93	132.65	94.69	91.38	97.51	102.98	0.02	0.04	0.09
LEDBAT	10	23.98	15.80	7.90	63.02	62.74	62.53	0.00	0.00	0.00
PCC-Allegro	10	259.50	43.56	16.37	128.13	128.57	116.58	0.21	0.08	0.16
PCC-Expr	10	224.47	86.63	39.07	173.84	163.86	146.23	1.49	1.90	2.06
QUIC Cubic	10	54.19	47.53	53.25	61.30	61.41	61.41	0.00	0.33	0.00
SCReAM	10	0.22	0.20	0.22	61.71	61.64	61.64	0.00	0.35	0.00
Sprout	10	0.99	1.38	1.41	61.29	61.39	61.31	0.00	0.00	0.00
TaoVA-100x	10	151.82	86.50	68.43	64.42	68.67	70.15	0.00	0.01	0.00
TCP Vegas	10	138.71	93.25	37.92	71.59	71.85	70.97	0.02	0.04	0.08
Verus	10	177.93	103.79	82.89	167.27	198.08	202.46	0.49	1.89	2.96
PCC-Vivace	10	252.71	229.92	156.07	62.88	62.28	62.08	0.00	0.00	0.03
WebRTC media	10	2.00	1.32	0.53	61.29	61.35	61.40	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-06-30 16:04:28
End at: 2018-06-30 16:04:58
Local clock offset: -0.384 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-06-30 20:12:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 294.16 Mbit/s
95th percentile per-packet one-way delay: 123.485 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 158.27 Mbit/s
95th percentile per-packet one-way delay: 119.902 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 144.97 Mbit/s
95th percentile per-packet one-way delay: 123.887 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 117.58 Mbit/s
95th percentile per-packet one-way delay: 131.224 ms
Loss rate: 0.76%

Run 1: Report of TCP BBR — Data Link

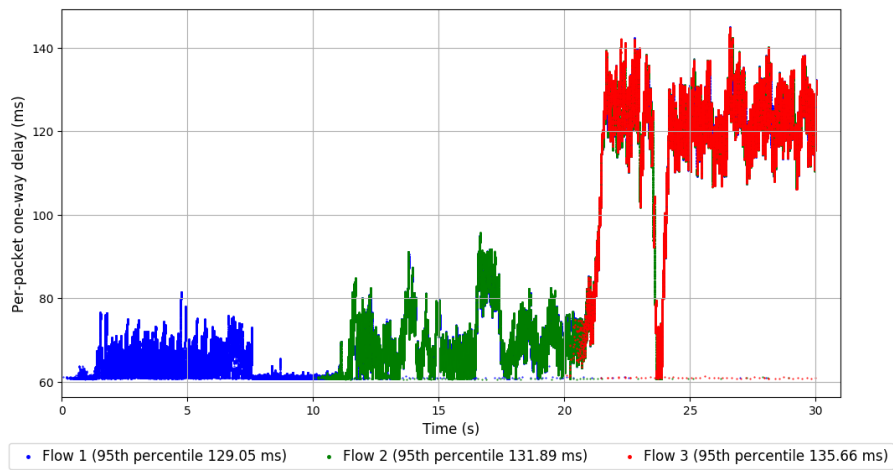
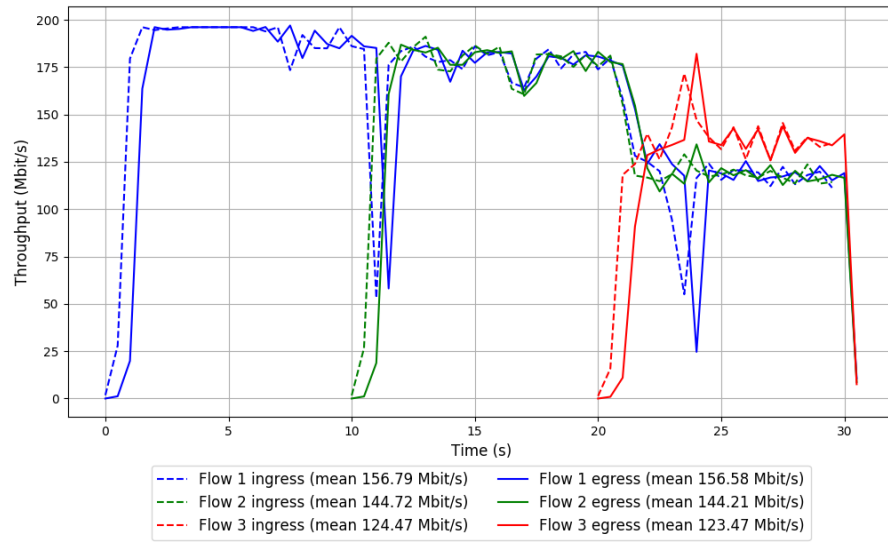


Run 2: Statistics of TCP BBR

Start at: 2018-06-30 16:27:50
End at: 2018-06-30 16:28:20
Local clock offset: 0.156 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2018-06-30 20:12:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 293.57 Mbit/s
95th percentile per-packet one-way delay: 131.952 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 156.58 Mbit/s
95th percentile per-packet one-way delay: 129.052 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 144.21 Mbit/s
95th percentile per-packet one-way delay: 131.892 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 123.47 Mbit/s
95th percentile per-packet one-way delay: 135.656 ms
Loss rate: 0.91%

Run 2: Report of TCP BBR — Data Link

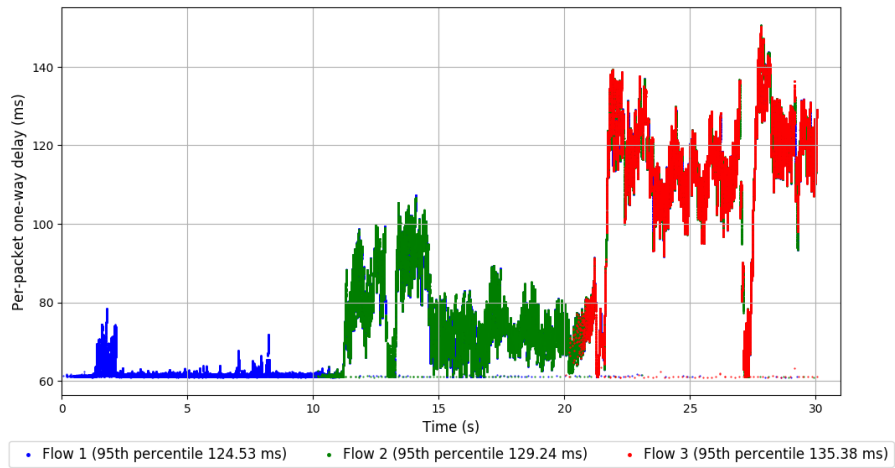
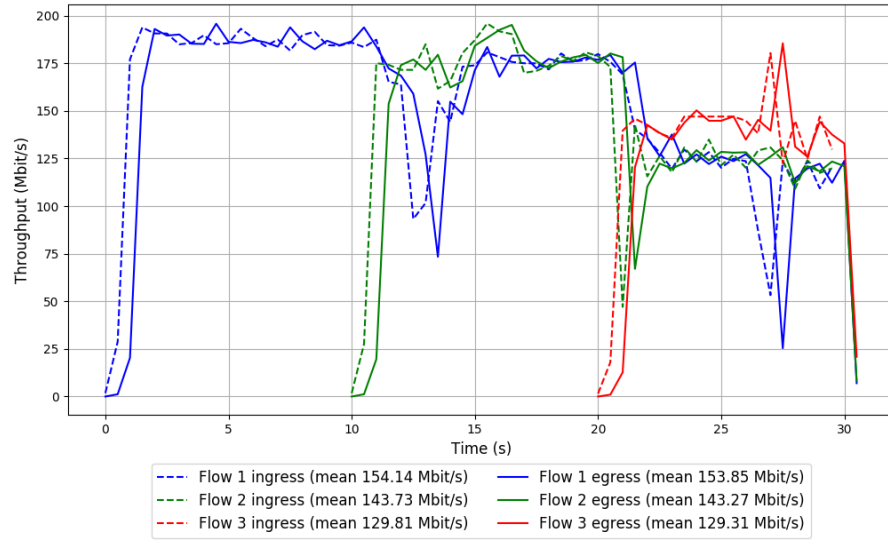


Run 3: Statistics of TCP BBR

Start at: 2018-06-30 16:51:39
End at: 2018-06-30 16:52:09
Local clock offset: -0.105 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-06-30 20:12:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 292.33 Mbit/s
95th percentile per-packet one-way delay: 128.887 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 153.85 Mbit/s
95th percentile per-packet one-way delay: 124.531 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 143.27 Mbit/s
95th percentile per-packet one-way delay: 129.240 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 129.31 Mbit/s
95th percentile per-packet one-way delay: 135.382 ms
Loss rate: 0.38%

Run 3: Report of TCP BBR — Data Link

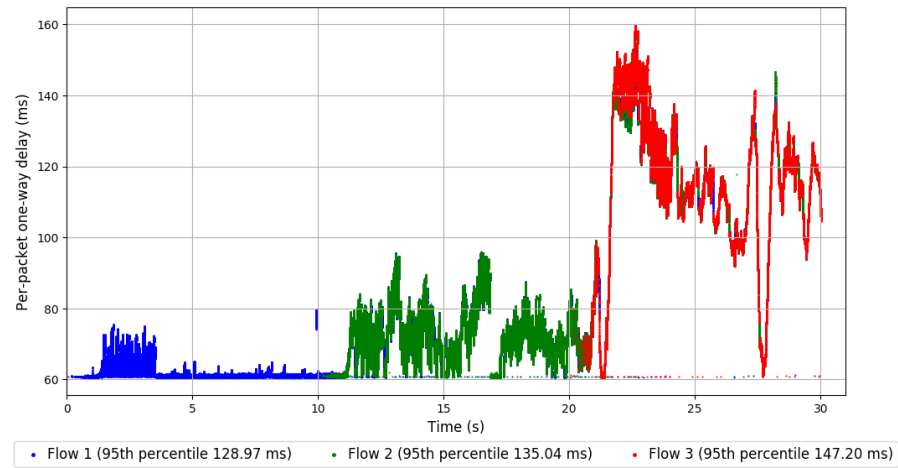
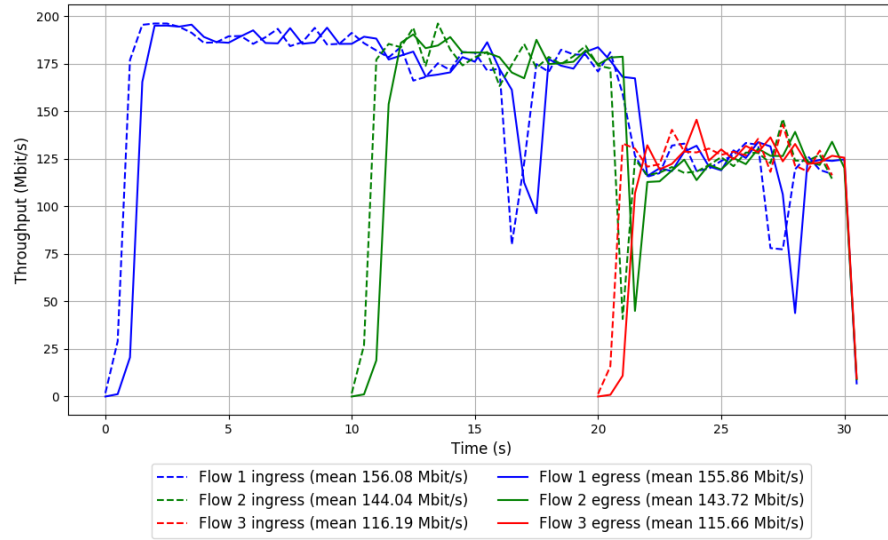


Run 4: Statistics of TCP BBR

Start at: 2018-06-30 17:15:20
End at: 2018-06-30 17:15:50
Local clock offset: -0.065 ms
Remote clock offset: -0.284 ms

Below is generated by plot.py at 2018-06-30 20:12:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 290.02 Mbit/s
95th percentile per-packet one-way delay: 135.064 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 155.86 Mbit/s
95th percentile per-packet one-way delay: 128.970 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 143.72 Mbit/s
95th percentile per-packet one-way delay: 135.038 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 115.66 Mbit/s
95th percentile per-packet one-way delay: 147.204 ms
Loss rate: 0.44%

Run 4: Report of TCP BBR — Data Link

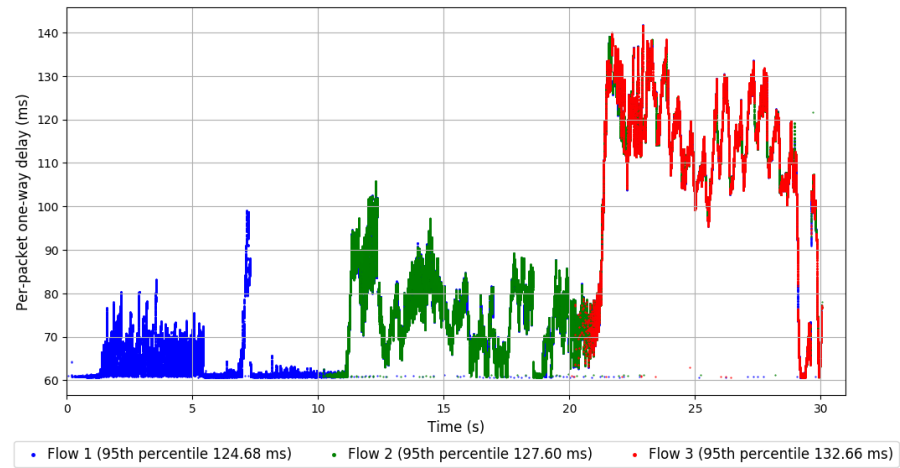
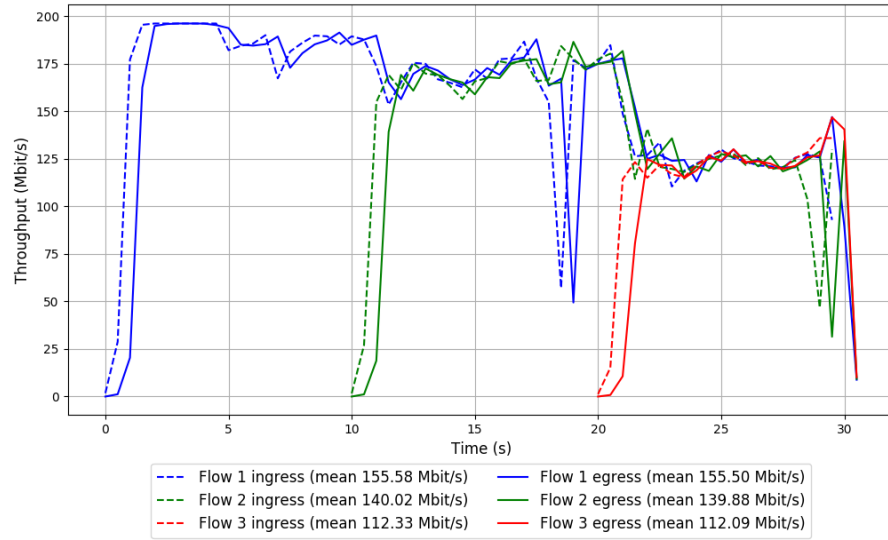


Run 5: Statistics of TCP BBR

Start at: 2018-06-30 17:39:00
End at: 2018-06-30 17:39:30
Local clock offset: 0.141 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-06-30 20:12:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 285.91 Mbit/s
95th percentile per-packet one-way delay: 128.287 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 155.50 Mbit/s
95th percentile per-packet one-way delay: 124.684 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 139.88 Mbit/s
95th percentile per-packet one-way delay: 127.603 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 112.09 Mbit/s
95th percentile per-packet one-way delay: 132.663 ms
Loss rate: 0.21%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-30 18:02:36

End at: 2018-06-30 18:03:06

Local clock offset: 0.223 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2018-06-30 20:12:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 288.60 Mbit/s

95th percentile per-packet one-way delay: 139.992 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 156.80 Mbit/s

95th percentile per-packet one-way delay: 132.763 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 141.47 Mbit/s

95th percentile per-packet one-way delay: 139.808 ms

Loss rate: 0.20%

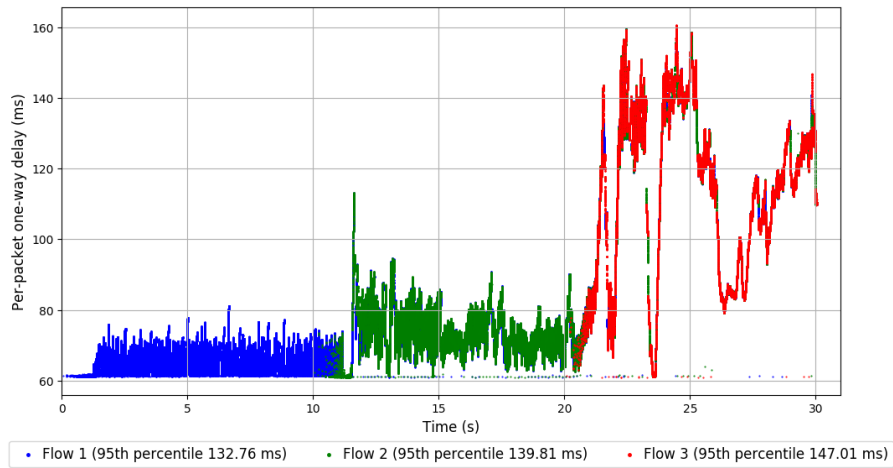
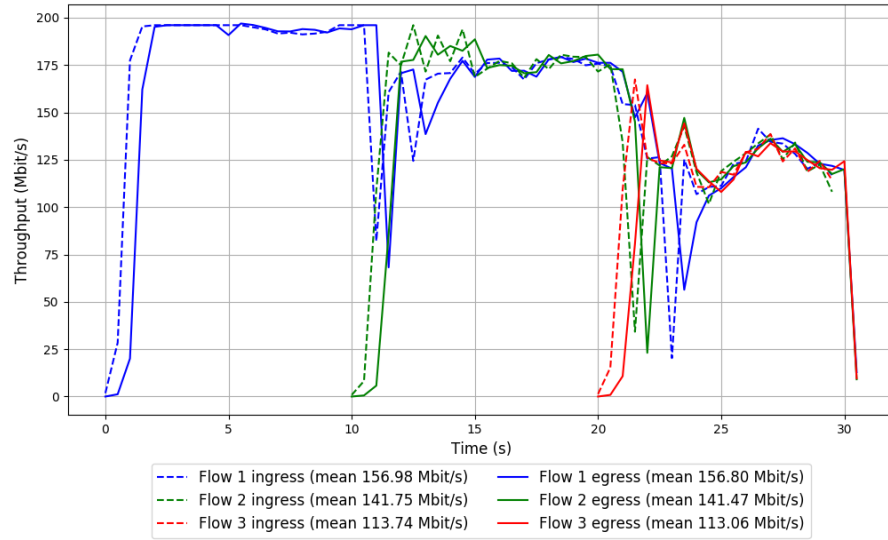
-- Flow 3:

Average throughput: 113.06 Mbit/s

95th percentile per-packet one-way delay: 147.008 ms

Loss rate: 0.58%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-06-30 18:26:28

End at: 2018-06-30 18:26:58

Local clock offset: 0.13 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-06-30 20:12:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 292.89 Mbit/s

95th percentile per-packet one-way delay: 127.325 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 157.28 Mbit/s

95th percentile per-packet one-way delay: 121.620 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 146.83 Mbit/s

95th percentile per-packet one-way delay: 125.817 ms

Loss rate: 0.18%

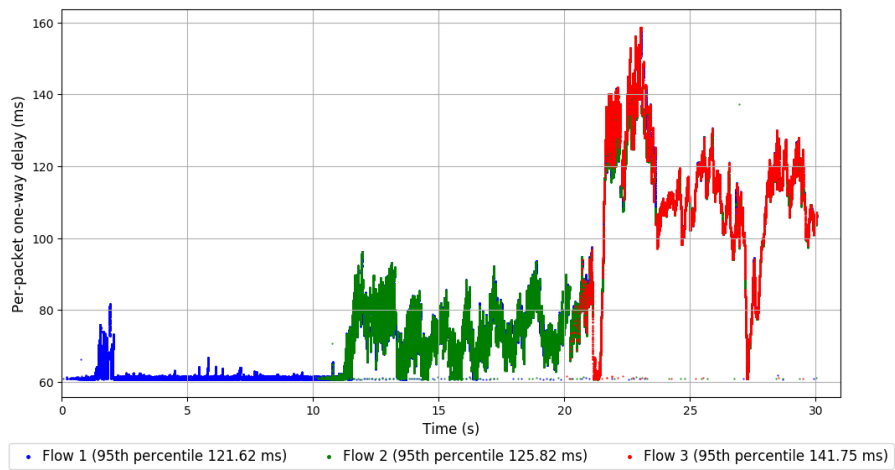
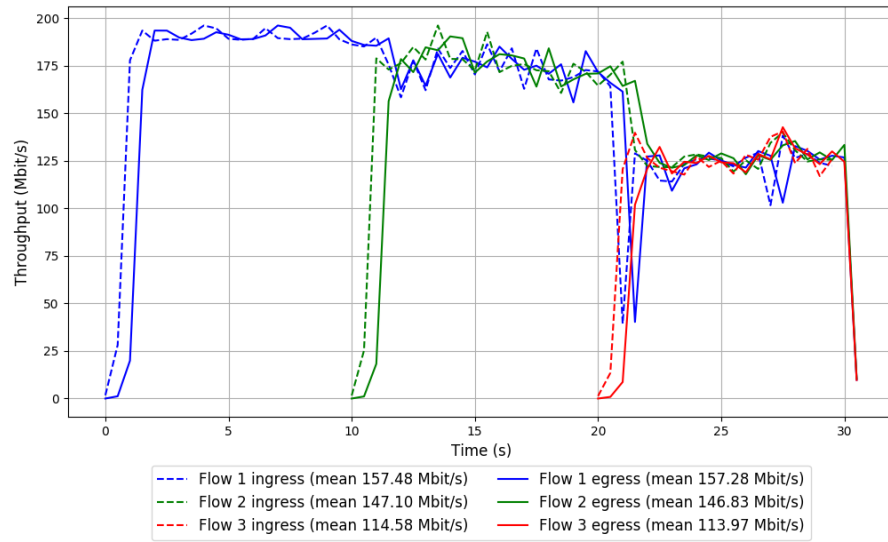
-- Flow 3:

Average throughput: 113.97 Mbit/s

95th percentile per-packet one-way delay: 141.749 ms

Loss rate: 0.53%

Run 7: Report of TCP BBR — Data Link

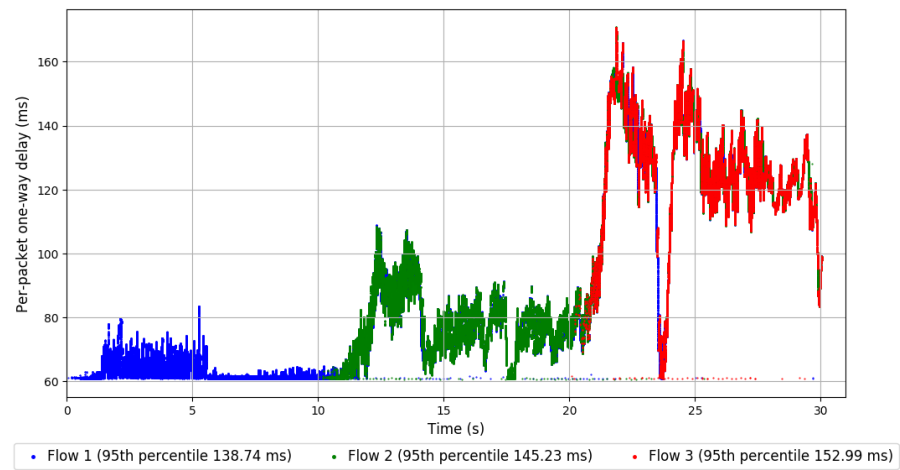
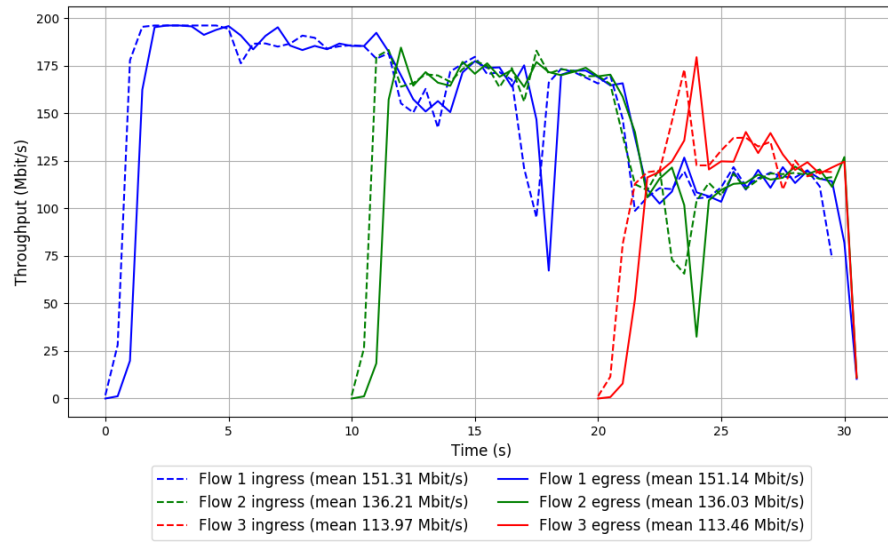


Run 8: Statistics of TCP BBR

Start at: 2018-06-30 18:50:11
End at: 2018-06-30 18:50:41
Local clock offset: -0.071 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-06-30 20:12:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 279.47 Mbit/s
95th percentile per-packet one-way delay: 145.595 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 151.14 Mbit/s
95th percentile per-packet one-way delay: 138.737 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 136.03 Mbit/s
95th percentile per-packet one-way delay: 145.232 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 113.46 Mbit/s
95th percentile per-packet one-way delay: 152.986 ms
Loss rate: 0.41%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-06-30 19:13:43

End at: 2018-06-30 19:14:13

Local clock offset: -0.022 ms

Remote clock offset: 1.348 ms

Below is generated by plot.py at 2018-06-30 20:18:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 295.58 Mbit/s

95th percentile per-packet one-way delay: 117.595 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 156.46 Mbit/s

95th percentile per-packet one-way delay: 115.145 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 149.09 Mbit/s

95th percentile per-packet one-way delay: 117.589 ms

Loss rate: 0.15%

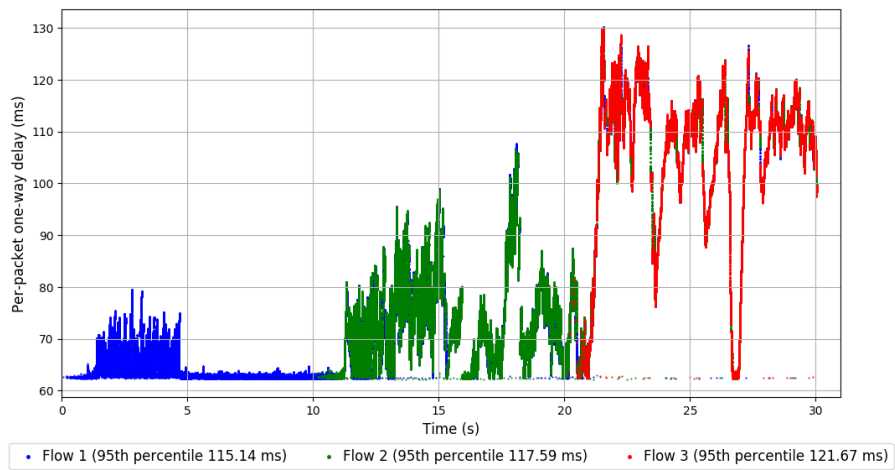
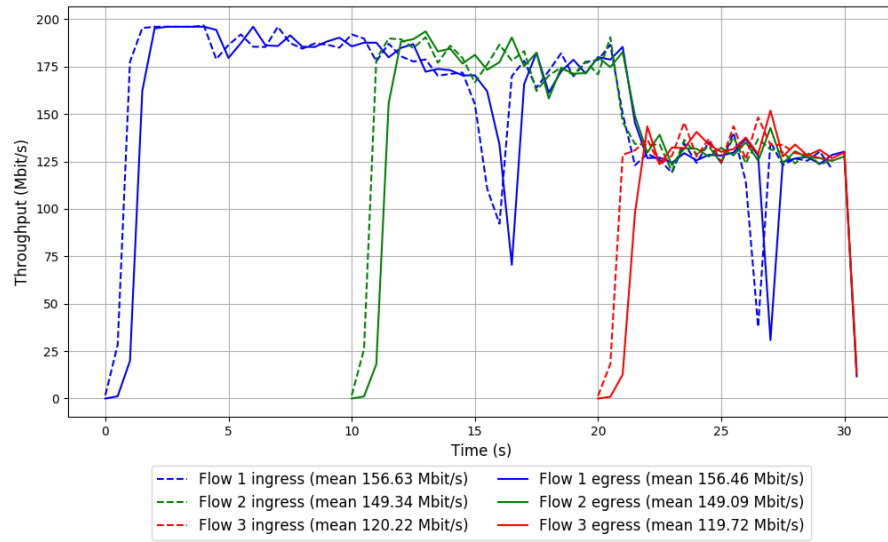
-- Flow 3:

Average throughput: 119.72 Mbit/s

95th percentile per-packet one-way delay: 121.671 ms

Loss rate: 0.43%

Run 9: Report of TCP BBR — Data Link

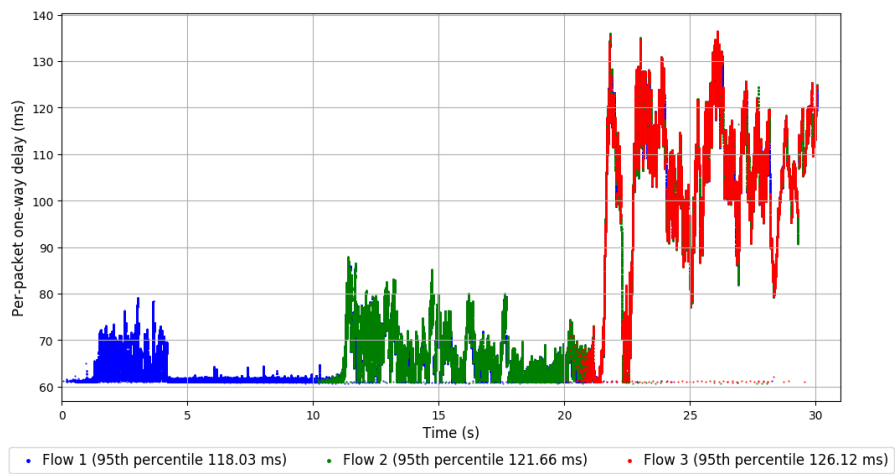
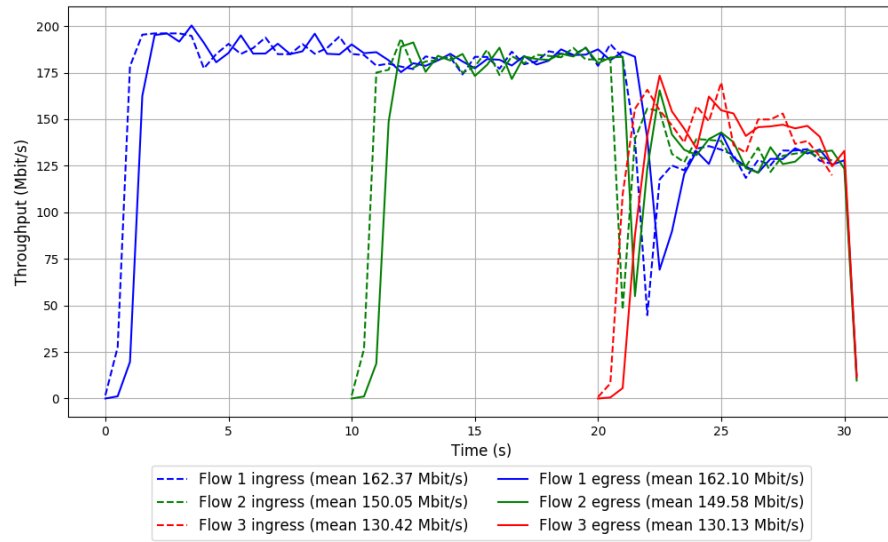


Run 10: Statistics of TCP BBR

Start at: 2018-06-30 19:38:00
End at: 2018-06-30 19:38:30
Local clock offset: 0.007 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-06-30 20:18:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 304.95 Mbit/s
95th percentile per-packet one-way delay: 121.486 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 162.10 Mbit/s
95th percentile per-packet one-way delay: 118.027 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 149.58 Mbit/s
95th percentile per-packet one-way delay: 121.662 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 130.13 Mbit/s
95th percentile per-packet one-way delay: 126.119 ms
Loss rate: 0.30%

Run 10: Report of TCP BBR — Data Link

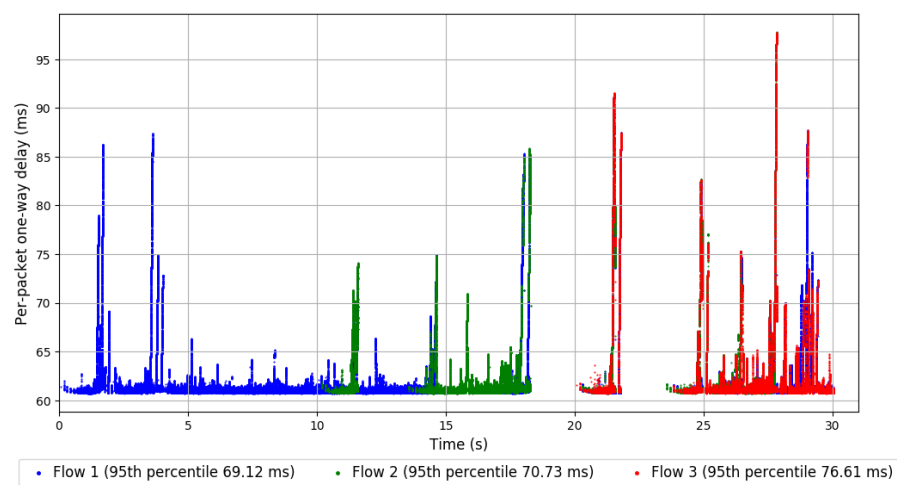
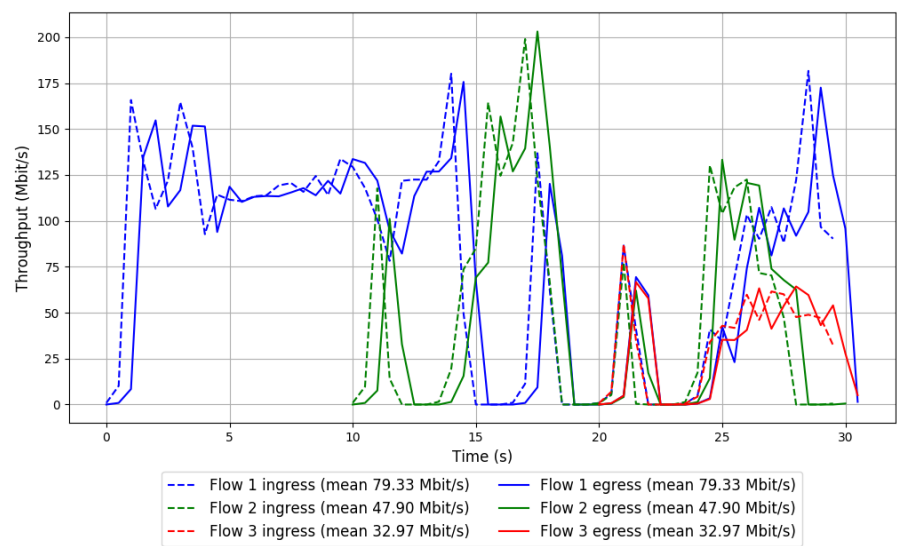


Run 1: Statistics of Copa

Start at: 2018-06-30 16:15:43
End at: 2018-06-30 16:16:13
Local clock offset: 0.005 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-06-30 20:18:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 122.12 Mbit/s
95th percentile per-packet one-way delay: 70.145 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.33 Mbit/s
95th percentile per-packet one-way delay: 69.123 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.90 Mbit/s
95th percentile per-packet one-way delay: 70.730 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.97 Mbit/s
95th percentile per-packet one-way delay: 76.609 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-06-30 16:39:23

End at: 2018-06-30 16:39:53

Local clock offset: 0.117 ms

Remote clock offset: 0.109 ms

Below is generated by plot.py at 2018-06-30 20:18:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 147.90 Mbit/s

95th percentile per-packet one-way delay: 70.056 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 69.79 Mbit/s

95th percentile per-packet one-way delay: 66.283 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 78.49 Mbit/s

95th percentile per-packet one-way delay: 76.436 ms

Loss rate: 0.00%

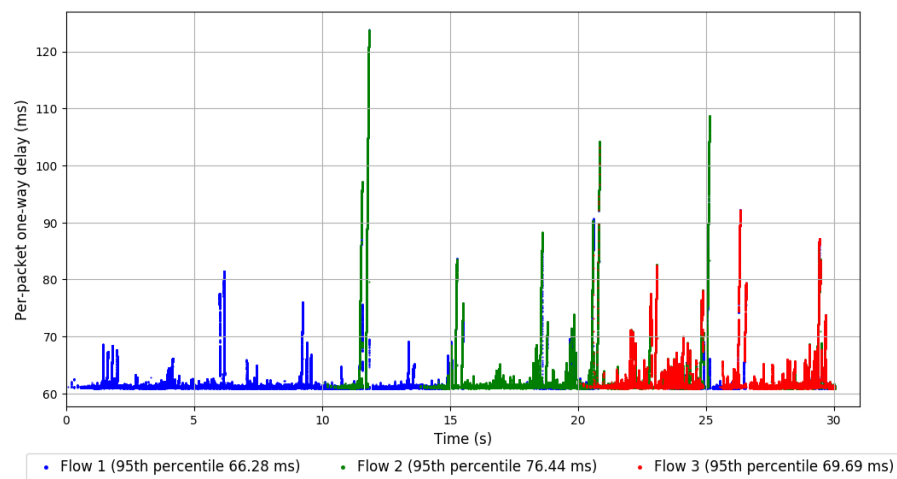
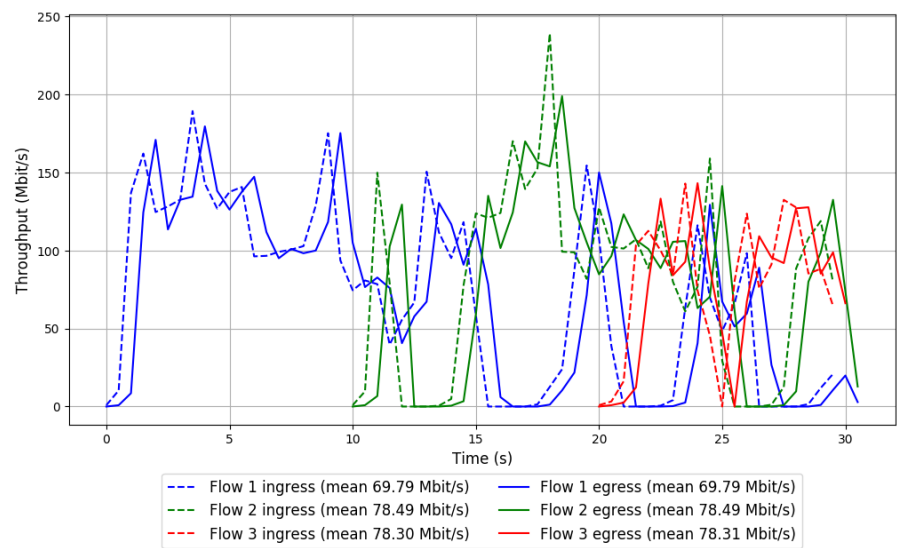
-- Flow 3:

Average throughput: 78.31 Mbit/s

95th percentile per-packet one-way delay: 69.689 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

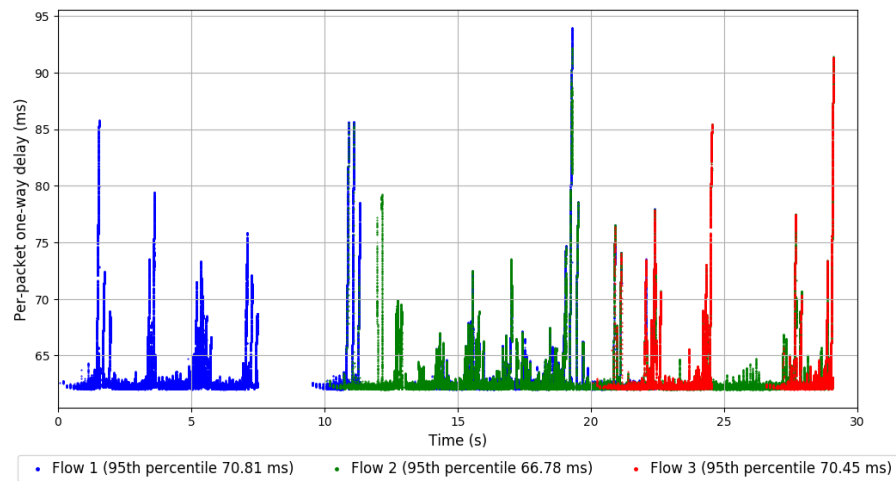
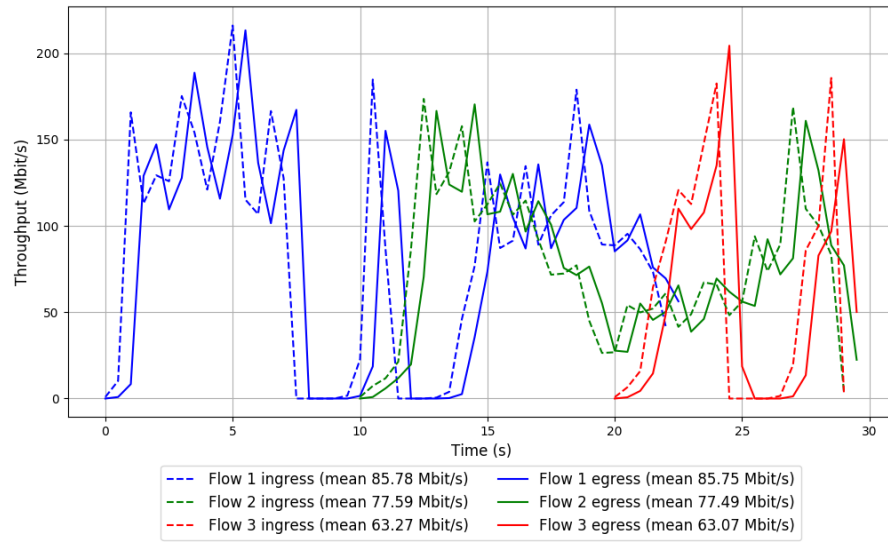


Run 3: Statistics of Copa

Start at: 2018-06-30 17:03:17
End at: 2018-06-30 17:03:47
Local clock offset: -0.096 ms
Remote clock offset: 1.251 ms

Below is generated by plot.py at 2018-06-30 20:18:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 136.34 Mbit/s
95th percentile per-packet one-way delay: 69.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.75 Mbit/s
95th percentile per-packet one-way delay: 70.807 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 77.49 Mbit/s
95th percentile per-packet one-way delay: 66.782 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.07 Mbit/s
95th percentile per-packet one-way delay: 70.452 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

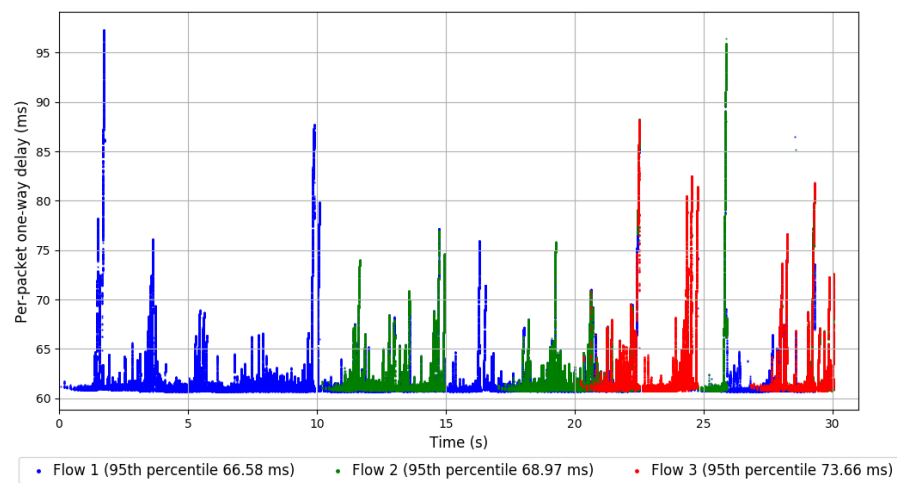
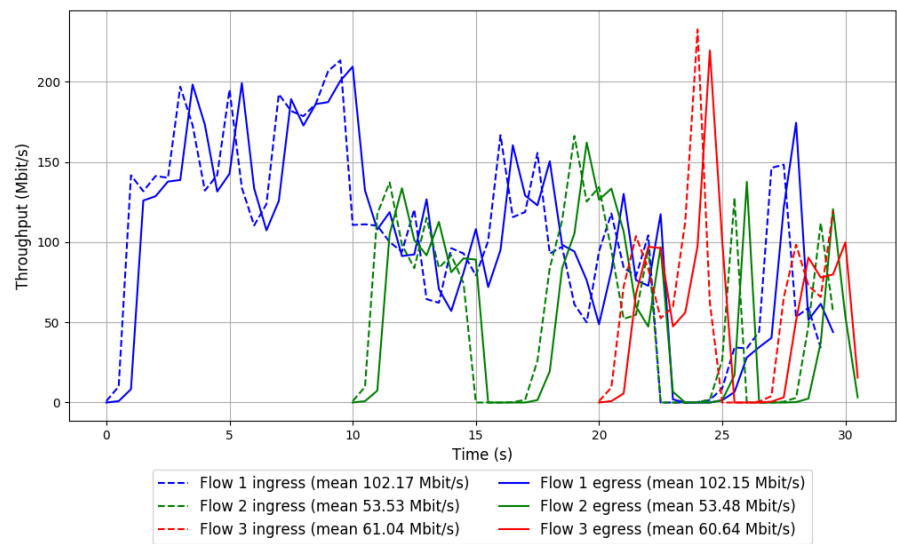


Run 4: Statistics of Copa

Start at: 2018-06-30 17:26:53
End at: 2018-06-30 17:27:23
Local clock offset: 0.076 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-06-30 20:18:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 155.39 Mbit/s
95th percentile per-packet one-way delay: 68.112 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 102.15 Mbit/s
95th percentile per-packet one-way delay: 66.579 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 53.48 Mbit/s
95th percentile per-packet one-way delay: 68.972 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 60.64 Mbit/s
95th percentile per-packet one-way delay: 73.662 ms
Loss rate: 0.65%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-30 17:50:23

End at: 2018-06-30 17:50:53

Local clock offset: 0.149 ms

Remote clock offset: 1.367 ms

Below is generated by plot.py at 2018-06-30 20:18:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 151.70 Mbit/s

95th percentile per-packet one-way delay: 70.275 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 77.98 Mbit/s

95th percentile per-packet one-way delay: 71.801 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 88.62 Mbit/s

95th percentile per-packet one-way delay: 67.460 ms

Loss rate: 0.00%

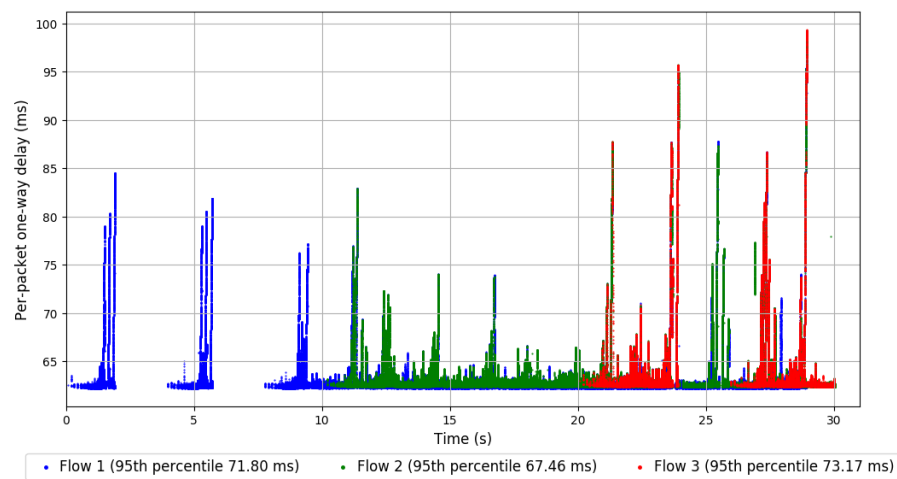
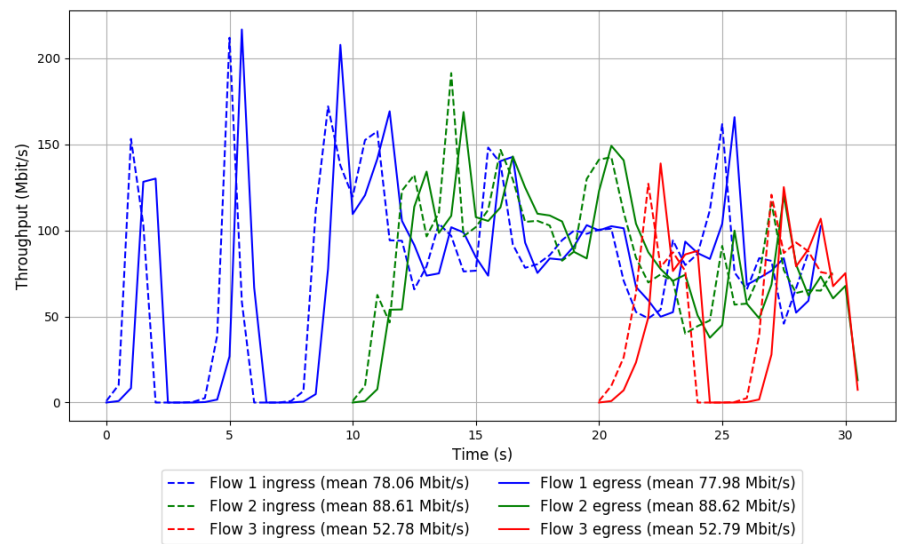
-- Flow 3:

Average throughput: 52.79 Mbit/s

95th percentile per-packet one-way delay: 73.174 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-06-30 18:14:18

End at: 2018-06-30 18:14:48

Local clock offset: 0.323 ms

Remote clock offset: 0.143 ms

Below is generated by plot.py at 2018-06-30 20:18:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 134.60 Mbit/s

95th percentile per-packet one-way delay: 69.388 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 71.56 Mbit/s

95th percentile per-packet one-way delay: 69.309 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 64.73 Mbit/s

95th percentile per-packet one-way delay: 69.066 ms

Loss rate: 0.00%

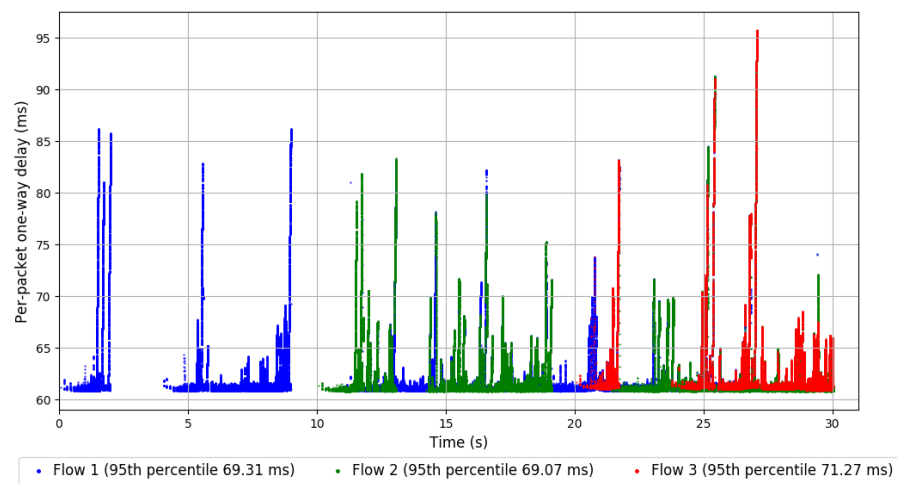
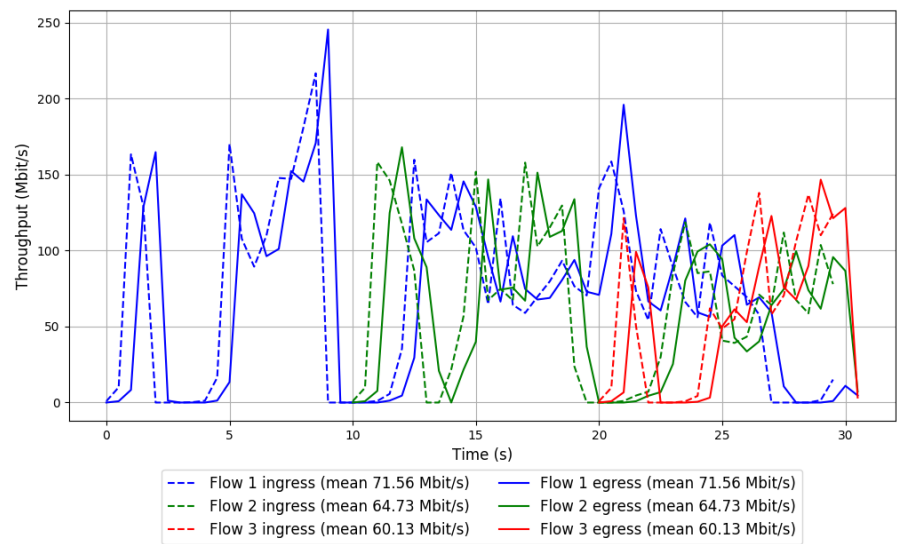
-- Flow 3:

Average throughput: 60.13 Mbit/s

95th percentile per-packet one-way delay: 71.270 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-06-30 18:38:01

End at: 2018-06-30 18:38:31

Local clock offset: 0.039 ms

Remote clock offset: 0.119 ms

Below is generated by plot.py at 2018-06-30 20:22:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 146.19 Mbit/s

95th percentile per-packet one-way delay: 69.049 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 76.83 Mbit/s

95th percentile per-packet one-way delay: 69.939 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 63.71 Mbit/s

95th percentile per-packet one-way delay: 68.677 ms

Loss rate: 0.00%

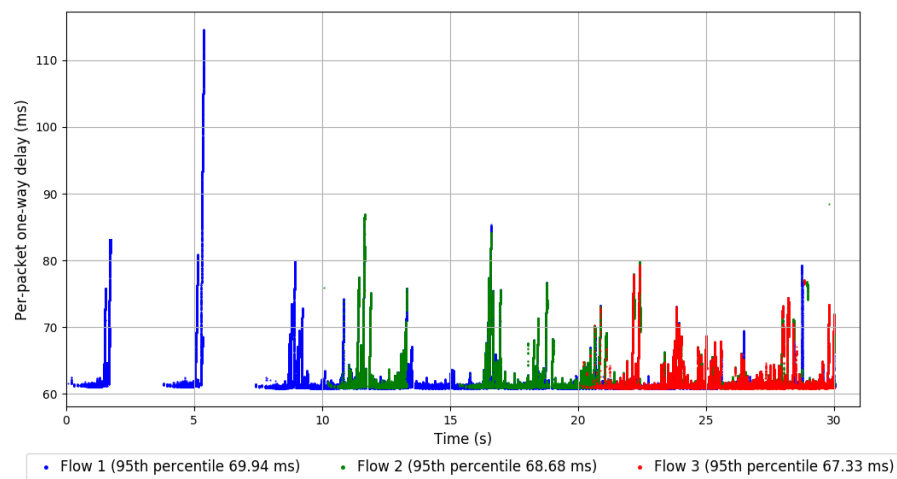
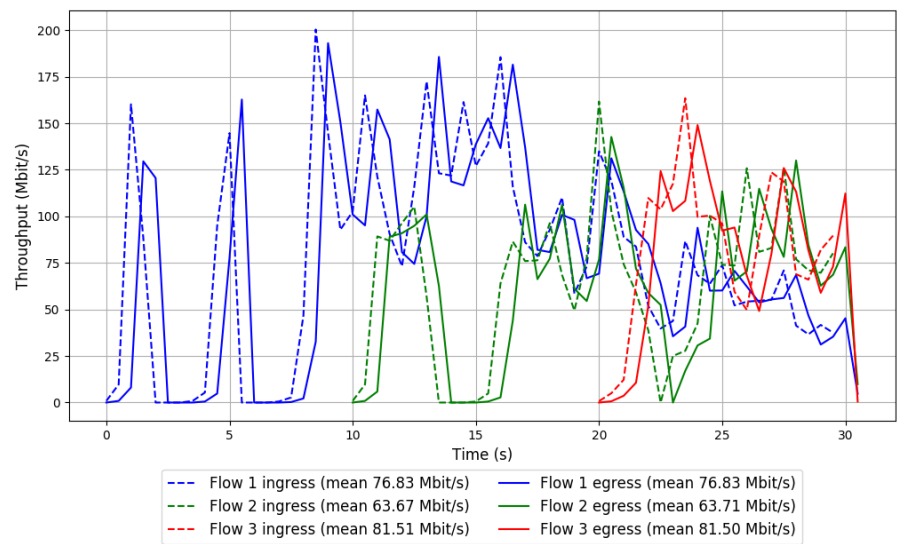
-- Flow 3:

Average throughput: 81.50 Mbit/s

95th percentile per-packet one-way delay: 67.329 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link

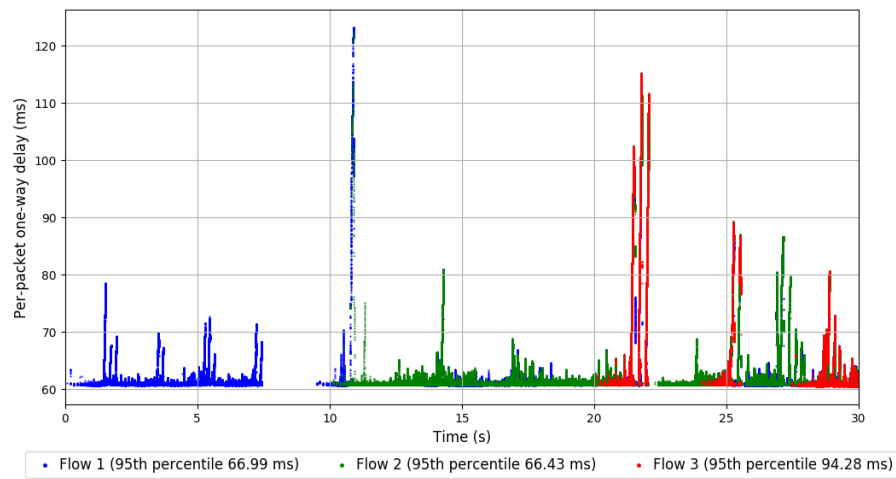
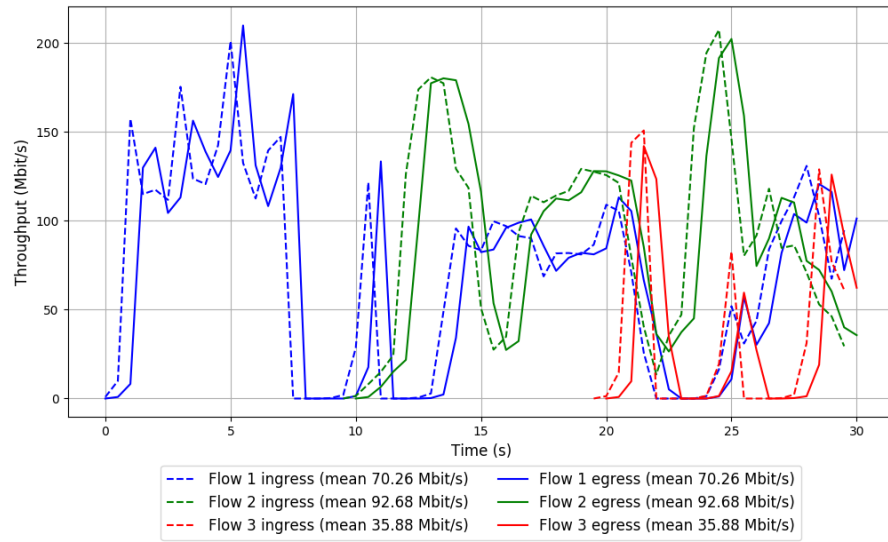


Run 8: Statistics of Copa

Start at: 2018-06-30 19:01:31
End at: 2018-06-30 19:02:01
Local clock offset: -0.03 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-06-30 20:22:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 144.01 Mbit/s
95th percentile per-packet one-way delay: 68.881 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.26 Mbit/s
95th percentile per-packet one-way delay: 66.986 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 92.68 Mbit/s
95th percentile per-packet one-way delay: 66.428 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.88 Mbit/s
95th percentile per-packet one-way delay: 94.284 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

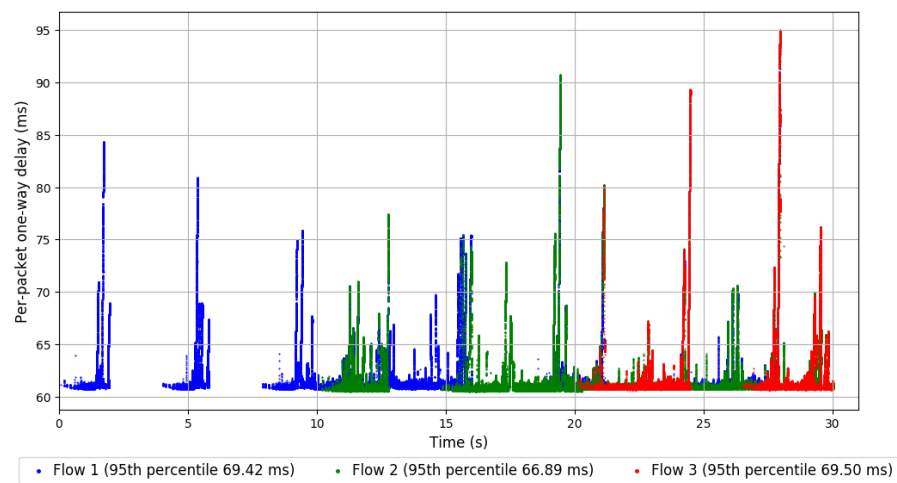
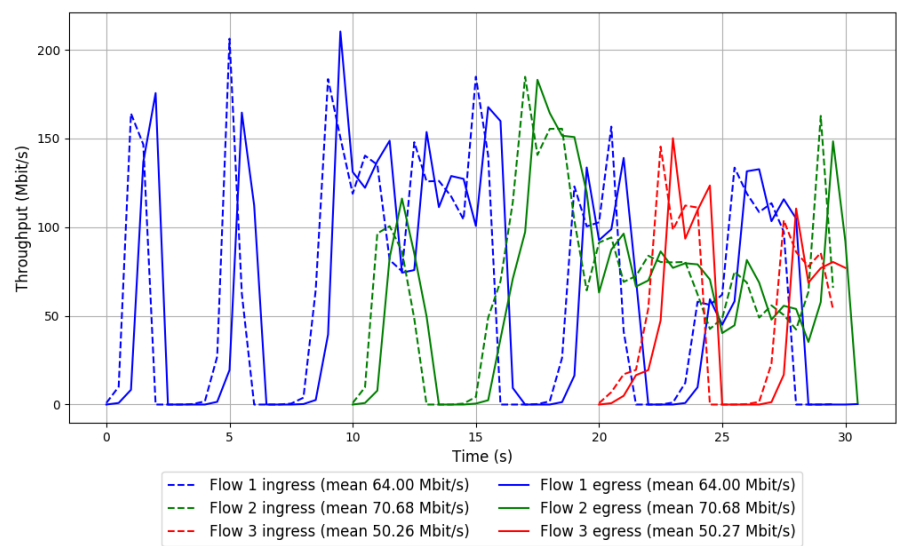


Run 9: Statistics of Copa

Start at: 2018-06-30 19:25:26
End at: 2018-06-30 19:25:56
Local clock offset: -0.031 ms
Remote clock offset: -0.227 ms

Below is generated by plot.py at 2018-06-30 20:22:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 127.67 Mbit/s
95th percentile per-packet one-way delay: 68.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.00 Mbit/s
95th percentile per-packet one-way delay: 69.422 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.68 Mbit/s
95th percentile per-packet one-way delay: 66.891 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.27 Mbit/s
95th percentile per-packet one-way delay: 69.505 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-30 19:50:21

End at: 2018-06-30 19:50:51

Local clock offset: 0.05 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-06-30 20:23:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 160.72 Mbit/s

95th percentile per-packet one-way delay: 68.713 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 93.52 Mbit/s

95th percentile per-packet one-way delay: 69.220 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 62.16 Mbit/s

95th percentile per-packet one-way delay: 66.937 ms

Loss rate: 0.00%

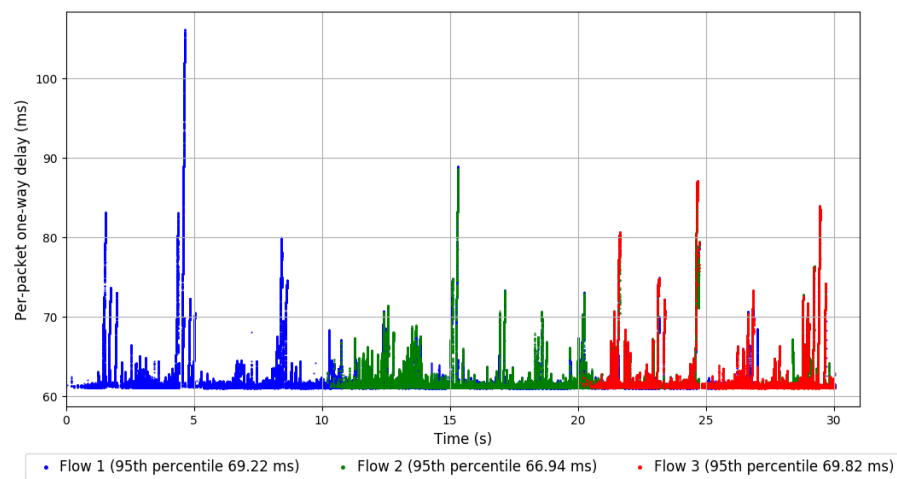
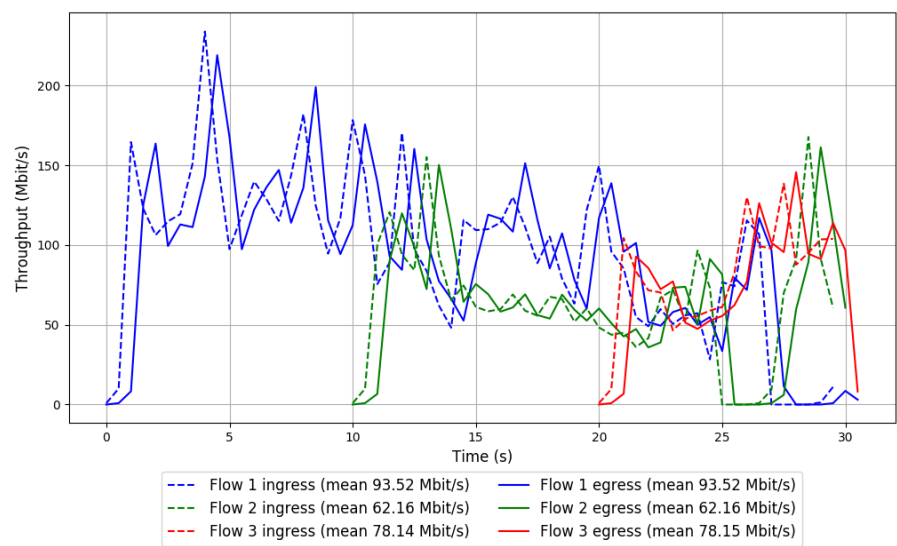
-- Flow 3:

Average throughput: 78.15 Mbit/s

95th percentile per-packet one-way delay: 69.823 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-06-30 16:17:03

End at: 2018-06-30 16:17:33

Local clock offset: 0.013 ms

Remote clock offset: 1.353 ms

Below is generated by plot.py at 2018-06-30 20:23:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 209.52 Mbit/s

95th percentile per-packet one-way delay: 74.740 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 179.62 Mbit/s

95th percentile per-packet one-way delay: 74.789 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 43.01 Mbit/s

95th percentile per-packet one-way delay: 72.975 ms

Loss rate: 0.01%

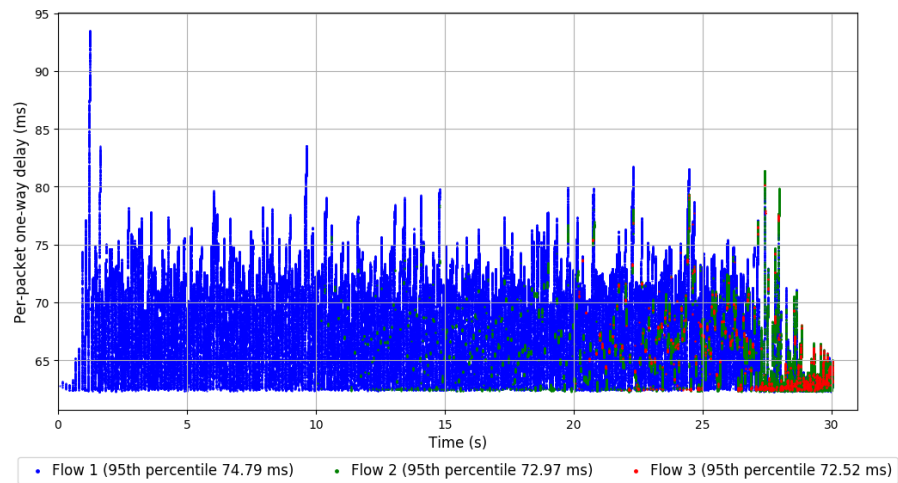
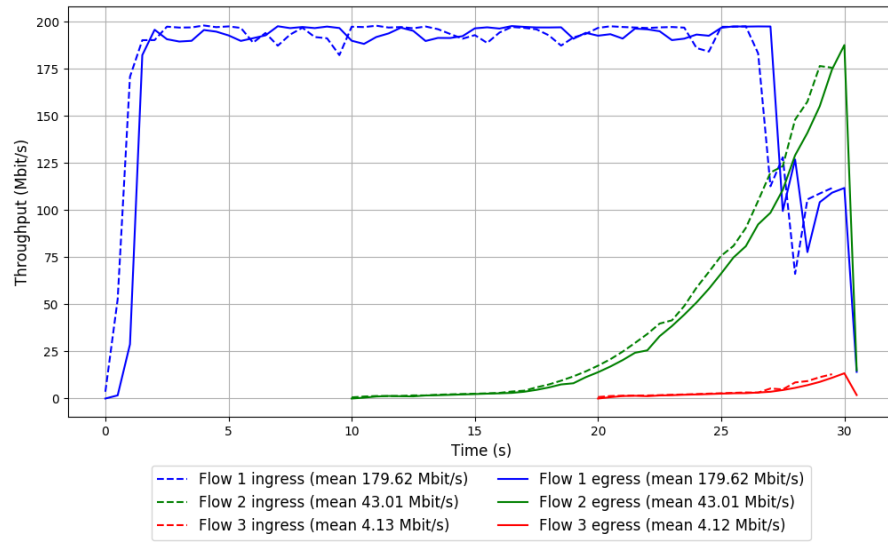
-- Flow 3:

Average throughput: 4.12 Mbit/s

95th percentile per-packet one-way delay: 72.515 ms

Loss rate: 0.12%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-06-30 16:40:46

End at: 2018-06-30 16:41:16

Local clock offset: 0.065 ms

Remote clock offset: 1.25 ms

Below is generated by plot.py at 2018-06-30 20:23:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 297.83 Mbit/s

95th percentile per-packet one-way delay: 119.042 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 151.95 Mbit/s

95th percentile per-packet one-way delay: 113.709 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 157.22 Mbit/s

95th percentile per-packet one-way delay: 121.946 ms

Loss rate: 0.31%

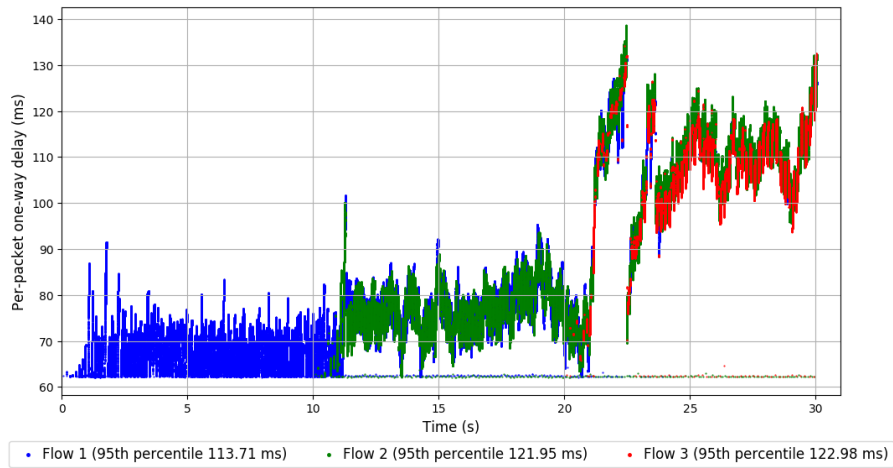
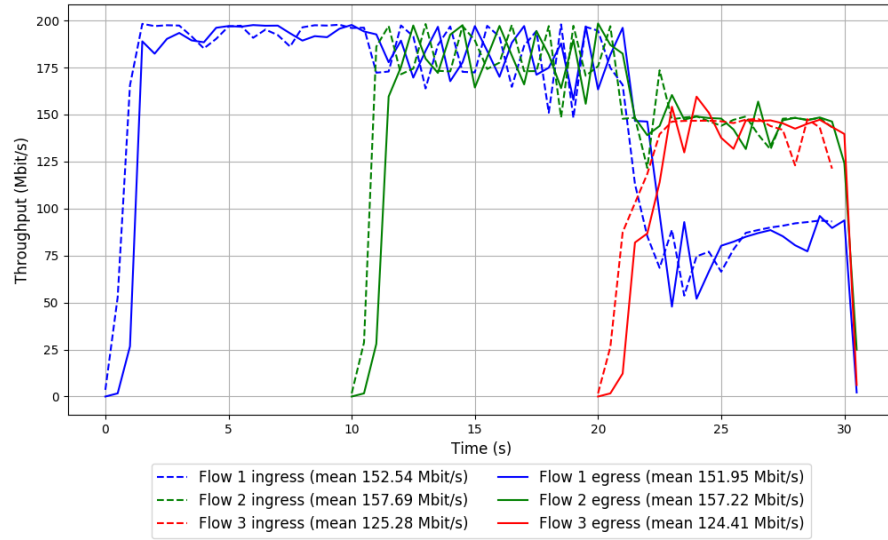
-- Flow 3:

Average throughput: 124.41 Mbit/s

95th percentile per-packet one-way delay: 122.979 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

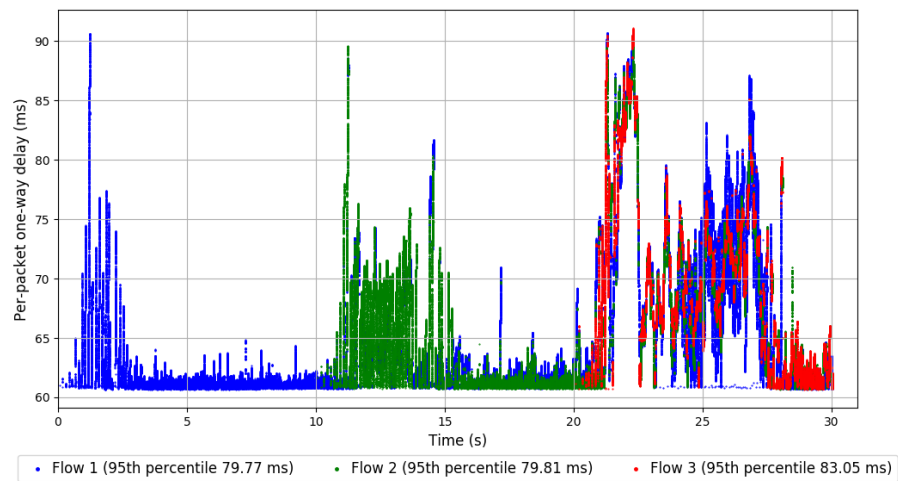
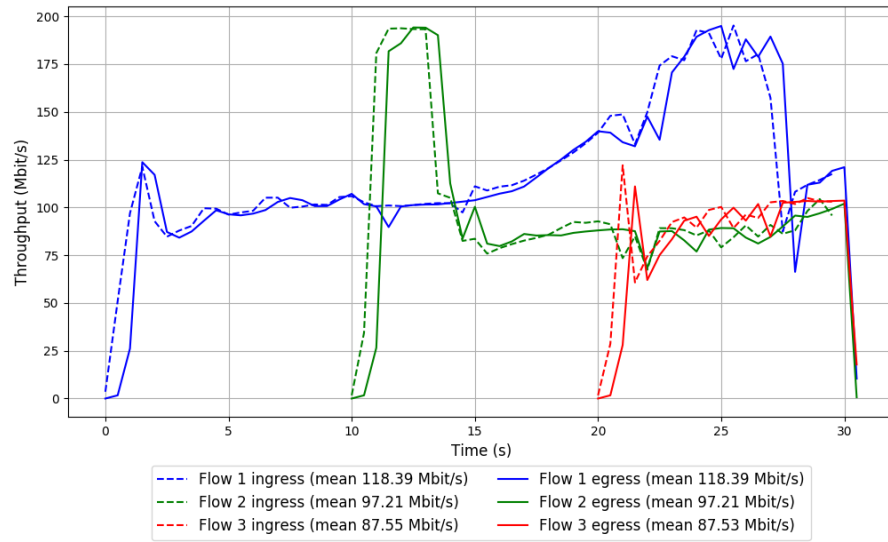


Run 3: Statistics of TCP Cubic

Start at: 2018-06-30 17:04:39
End at: 2018-06-30 17:05:09
Local clock offset: -0.14 ms
Remote clock offset: -0.213 ms

Below is generated by plot.py at 2018-06-30 20:23:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 212.13 Mbit/s
95th percentile per-packet one-way delay: 80.463 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 118.39 Mbit/s
95th percentile per-packet one-way delay: 79.770 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 79.809 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 87.53 Mbit/s
95th percentile per-packet one-way delay: 83.049 ms
Loss rate: 0.01%

Run 3: Report of TCP Cubic — Data Link

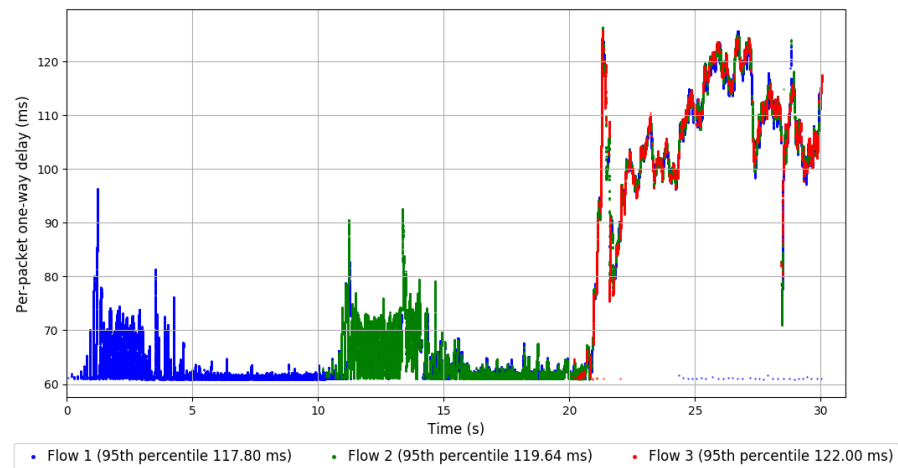
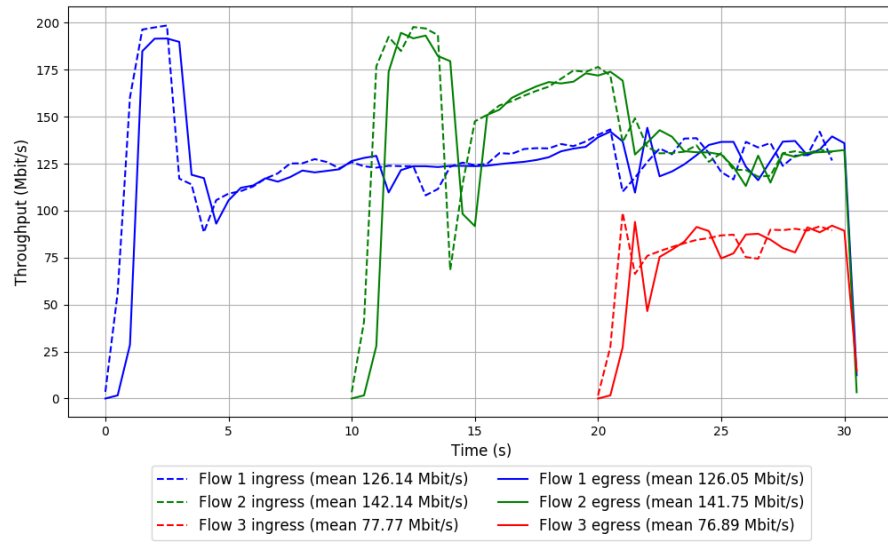


Run 4: Statistics of TCP Cubic

Start at: 2018-06-30 17:28:16
End at: 2018-06-30 17:28:46
Local clock offset: 0.072 ms
Remote clock offset: -0.016 ms

```
# Below is generated by plot.py at 2018-06-30 20:23:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 246.02 Mbit/s
95th percentile per-packet one-way delay: 119.588 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 126.05 Mbit/s
95th percentile per-packet one-way delay: 117.802 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 141.75 Mbit/s
95th percentile per-packet one-way delay: 119.637 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 76.89 Mbit/s
95th percentile per-packet one-way delay: 122.003 ms
Loss rate: 0.84%
```

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-06-30 17:51:46

End at: 2018-06-30 17:52:16

Local clock offset: 0.167 ms

Remote clock offset: 1.125 ms

Below is generated by plot.py at 2018-06-30 20:27:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 291.66 Mbit/s

95th percentile per-packet one-way delay: 91.466 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 178.83 Mbit/s

95th percentile per-packet one-way delay: 90.952 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 167.77 Mbit/s

95th percentile per-packet one-way delay: 92.231 ms

Loss rate: 0.02%

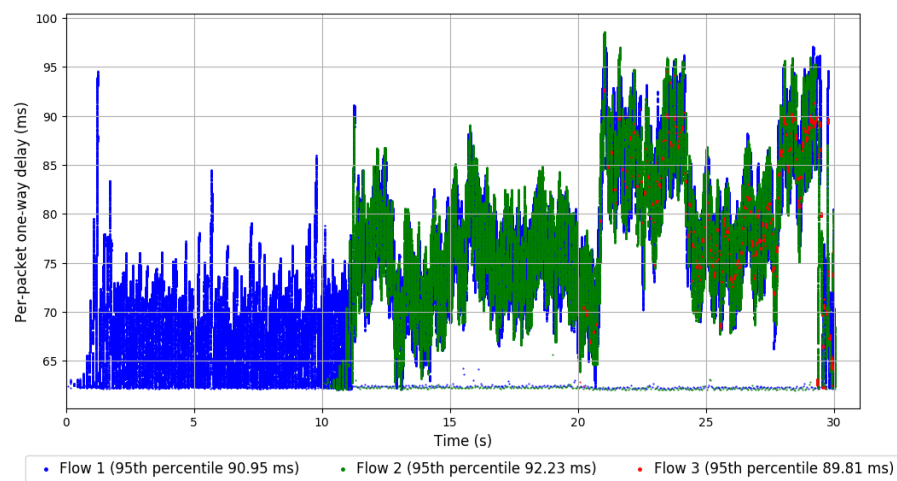
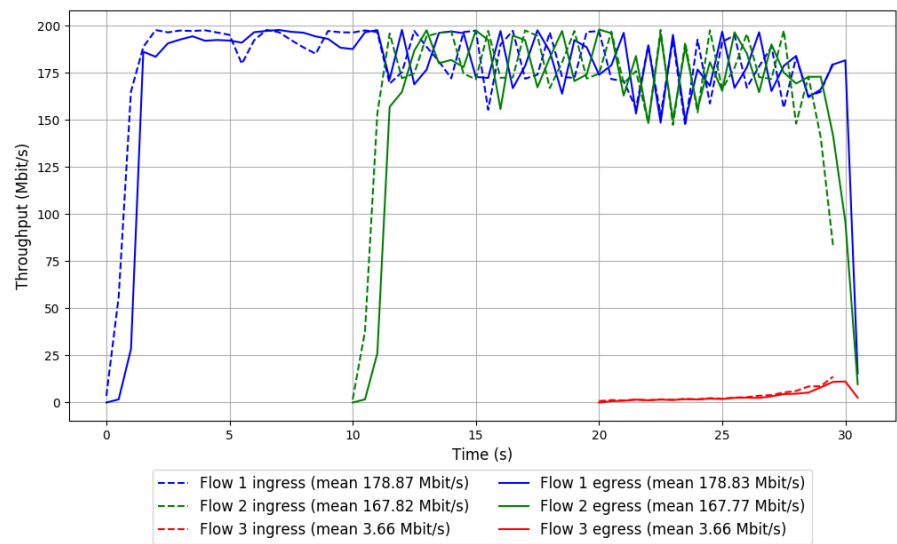
-- Flow 3:

Average throughput: 3.66 Mbit/s

95th percentile per-packet one-way delay: 89.812 ms

Loss rate: 0.23%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-06-30 18:15:39

End at: 2018-06-30 18:16:09

Local clock offset: 0.306 ms

Remote clock offset: 0.129 ms

Below is generated by plot.py at 2018-06-30 20:27:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 245.74 Mbit/s

95th percentile per-packet one-way delay: 117.881 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 176.76 Mbit/s

95th percentile per-packet one-way delay: 111.733 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 33.14 Mbit/s

95th percentile per-packet one-way delay: 124.345 ms

Loss rate: 1.01%

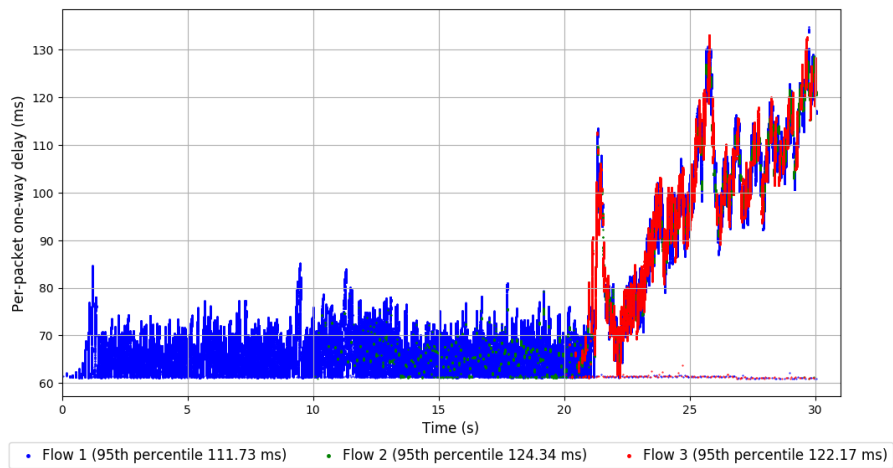
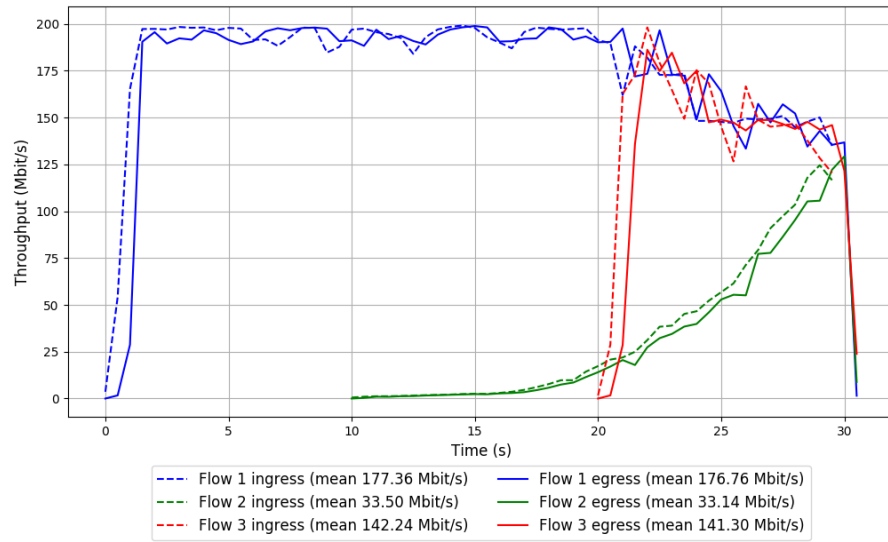
-- Flow 3:

Average throughput: 141.30 Mbit/s

95th percentile per-packet one-way delay: 122.165 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-06-30 18:39:23

End at: 2018-06-30 18:39:53

Local clock offset: -0.016 ms

Remote clock offset: 0.243 ms

Below is generated by plot.py at 2018-06-30 20:27:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 303.44 Mbit/s

95th percentile per-packet one-way delay: 130.754 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 165.35 Mbit/s

95th percentile per-packet one-way delay: 129.611 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 150.53 Mbit/s

95th percentile per-packet one-way delay: 131.555 ms

Loss rate: 0.39%

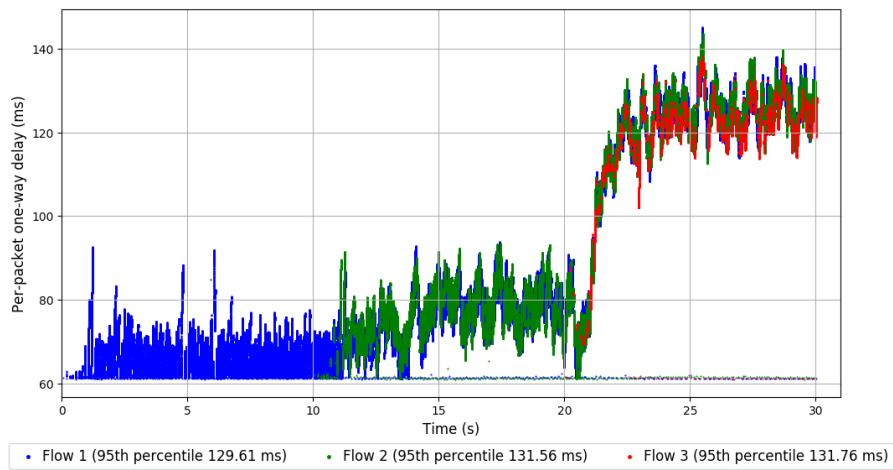
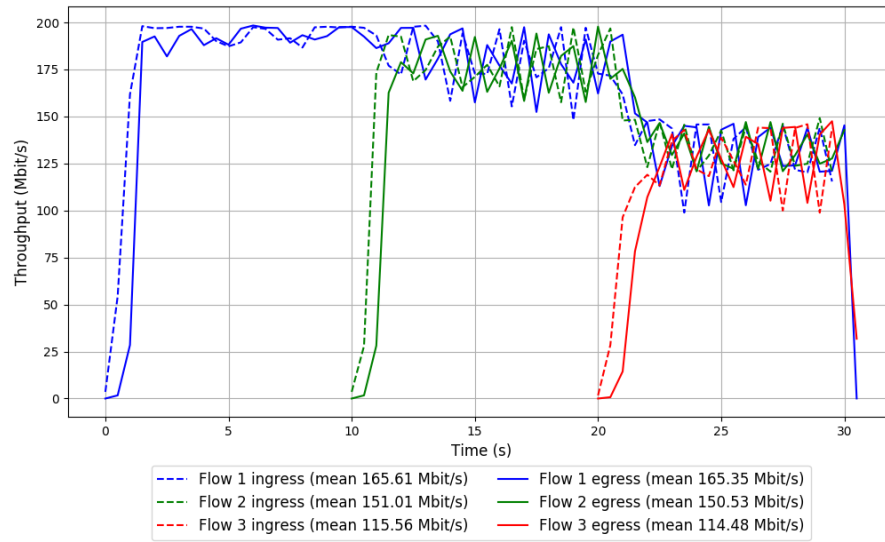
-- Flow 3:

Average throughput: 114.48 Mbit/s

95th percentile per-packet one-way delay: 131.762 ms

Loss rate: 0.39%

Run 7: Report of TCP Cubic — Data Link

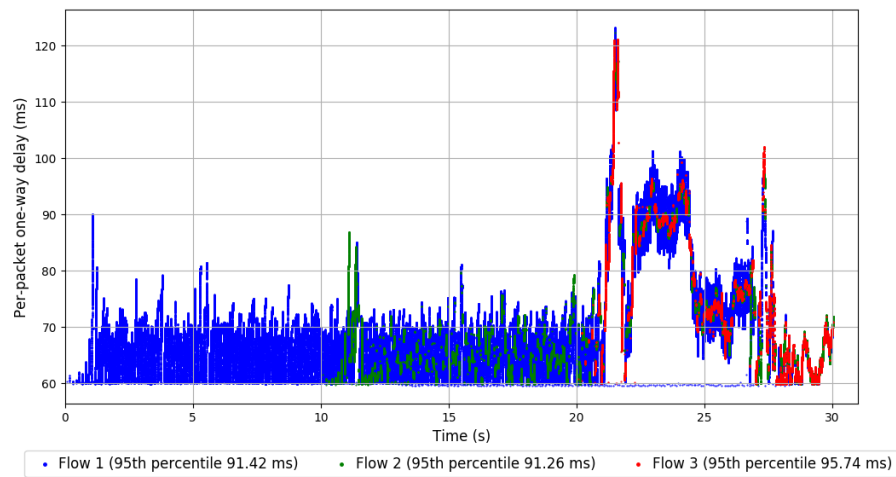
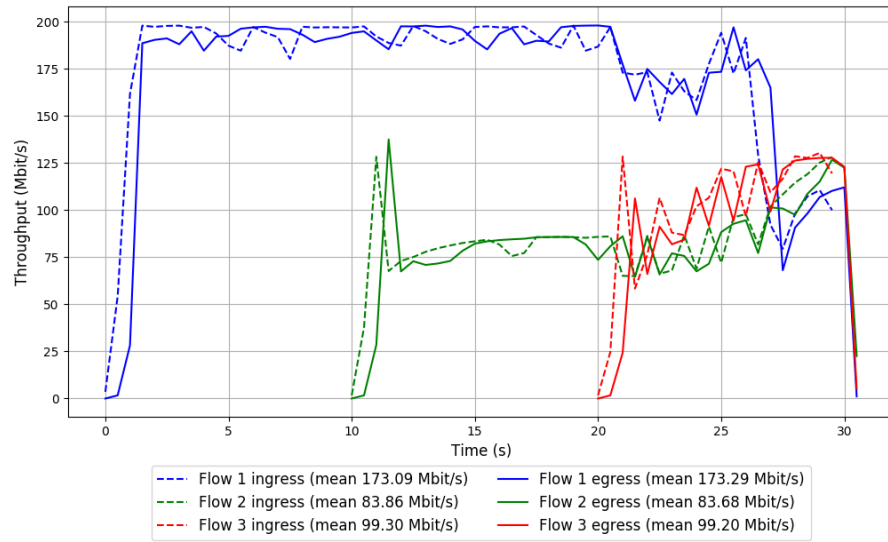


Run 8: Statistics of TCP Cubic

Start at: 2018-06-30 19:02:53
End at: 2018-06-30 19:03:23
Local clock offset: -0.016 ms
Remote clock offset: -1.185 ms

Below is generated by plot.py at 2018-06-30 20:27:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 261.77 Mbit/s
95th percentile per-packet one-way delay: 92.498 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 173.29 Mbit/s
95th percentile per-packet one-way delay: 91.425 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 83.68 Mbit/s
95th percentile per-packet one-way delay: 91.258 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 99.20 Mbit/s
95th percentile per-packet one-way delay: 95.739 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

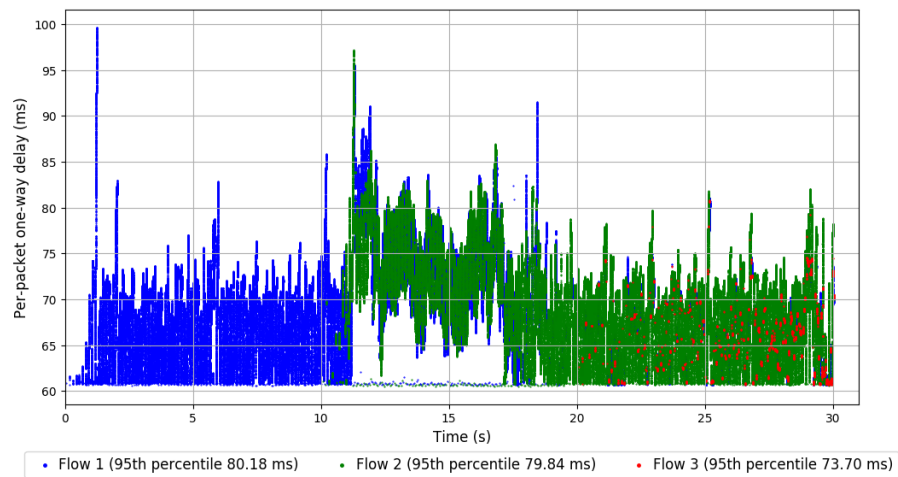
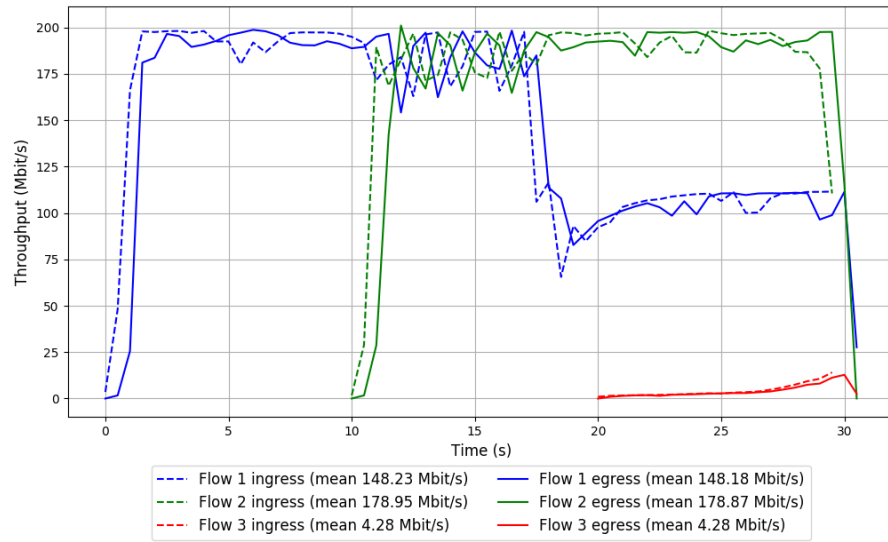


Run 9: Statistics of TCP Cubic

Start at: 2018-06-30 19:26:47
End at: 2018-06-30 19:27:17
Local clock offset: -0.055 ms
Remote clock offset: -0.353 ms

Below is generated by plot.py at 2018-06-30 20:27:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 268.70 Mbit/s
95th percentile per-packet one-way delay: 79.964 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.18 Mbit/s
95th percentile per-packet one-way delay: 80.179 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 178.87 Mbit/s
95th percentile per-packet one-way delay: 79.842 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 73.696 ms
Loss rate: 0.03%

Run 9: Report of TCP Cubic — Data Link

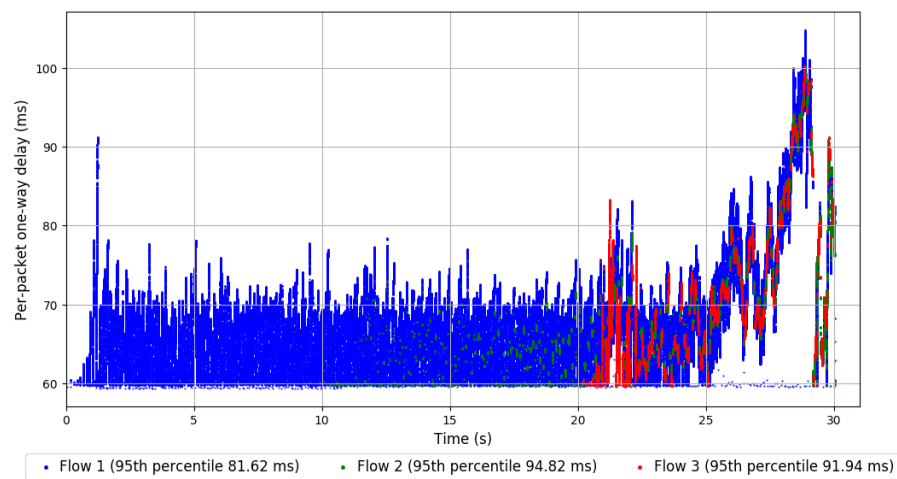
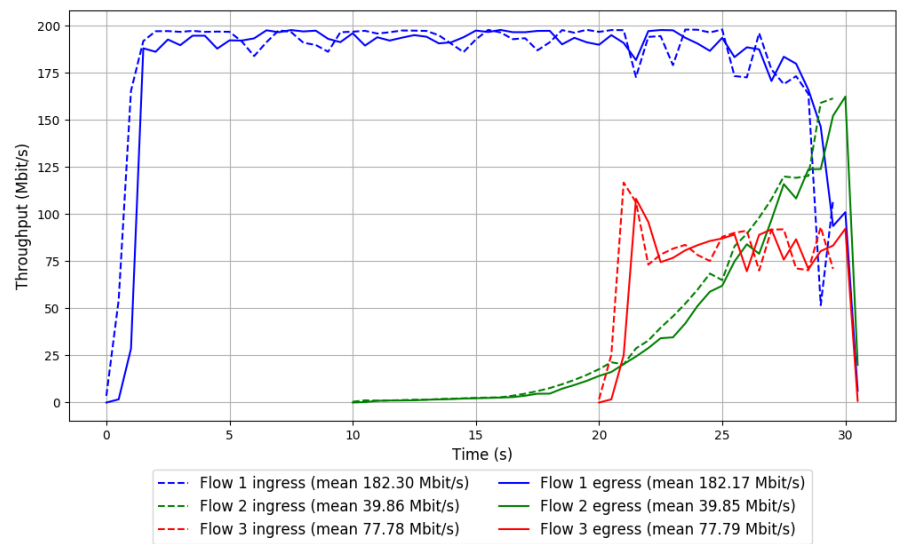


Run 10: Statistics of TCP Cubic

Start at: 2018-06-30 19:51:45
End at: 2018-06-30 19:52:15
Local clock offset: 0.046 ms
Remote clock offset: -1.397 ms

Below is generated by plot.py at 2018-06-30 20:27:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 234.51 Mbit/s
95th percentile per-packet one-way delay: 86.863 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 182.17 Mbit/s
95th percentile per-packet one-way delay: 81.618 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.85 Mbit/s
95th percentile per-packet one-way delay: 94.816 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 77.79 Mbit/s
95th percentile per-packet one-way delay: 91.941 ms
Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-06-30 16:09:44

End at: 2018-06-30 16:10:14

Local clock offset: -0.132 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-06-30 20:51:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 1204.09 Mbit/s

95th percentile per-packet one-way delay: 248.148 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 594.10 Mbit/s

95th percentile per-packet one-way delay: 250.537 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 635.18 Mbit/s

95th percentile per-packet one-way delay: 237.459 ms

Loss rate: 0.65%

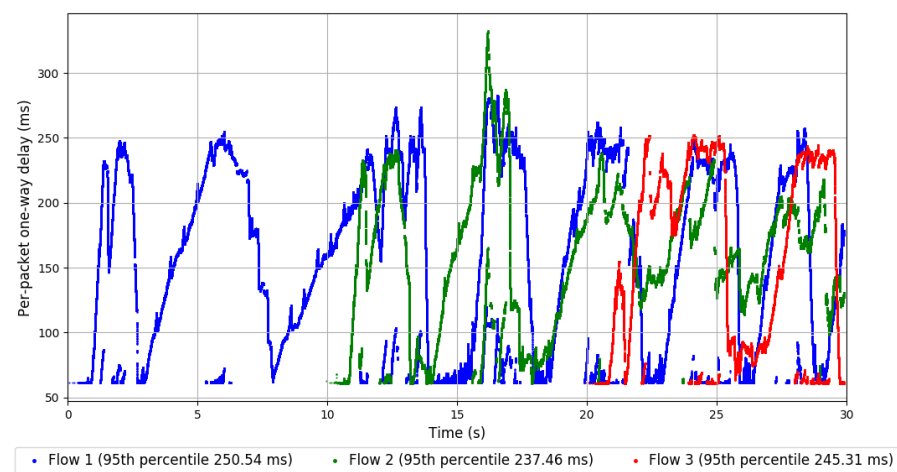
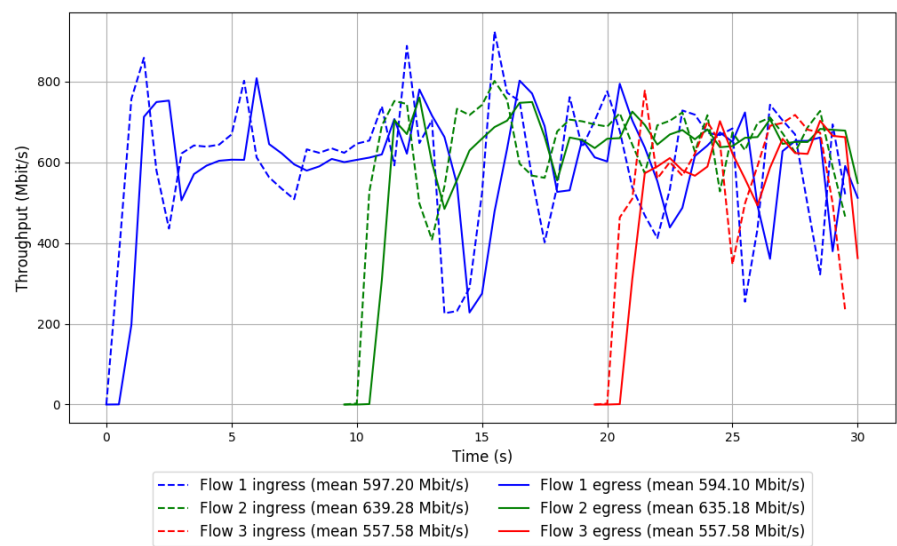
-- Flow 3:

Average throughput: 557.58 Mbit/s

95th percentile per-packet one-way delay: 245.315 ms

Loss rate: 0.00%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-06-30 16:33:11

End at: 2018-06-30 16:33:41

Local clock offset: 0.191 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-06-30 20:51:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 1155.92 Mbit/s

95th percentile per-packet one-way delay: 246.929 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 584.97 Mbit/s

95th percentile per-packet one-way delay: 242.837 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 589.57 Mbit/s

95th percentile per-packet one-way delay: 248.345 ms

Loss rate: 0.18%

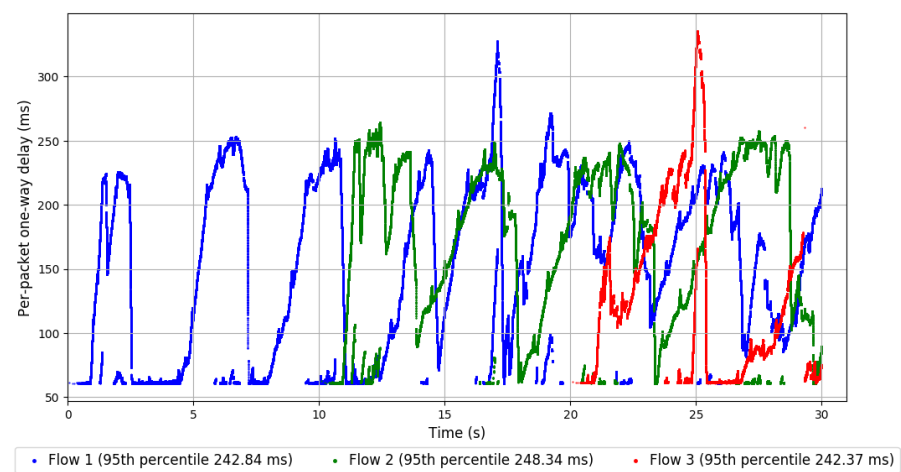
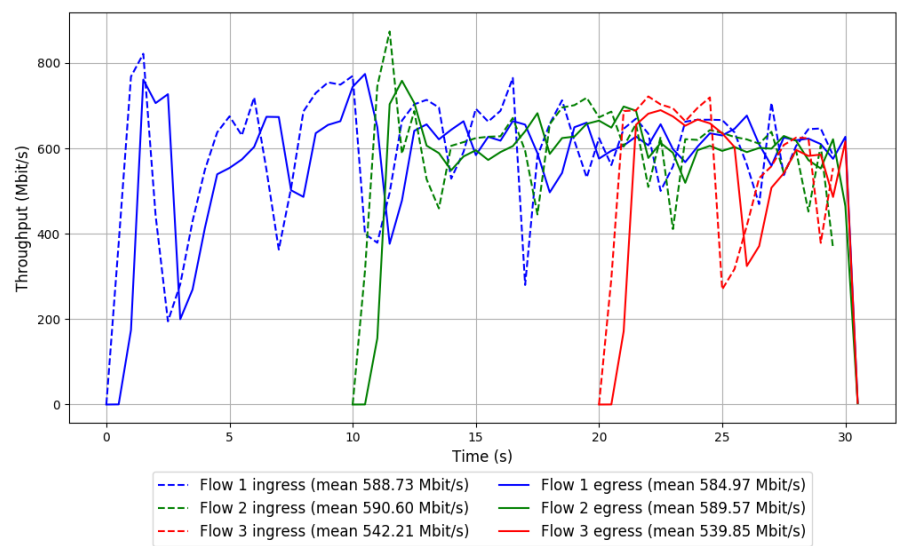
-- Flow 3:

Average throughput: 539.85 Mbit/s

95th percentile per-packet one-way delay: 242.365 ms

Loss rate: 0.43%

Run 2: Report of FillP — Data Link

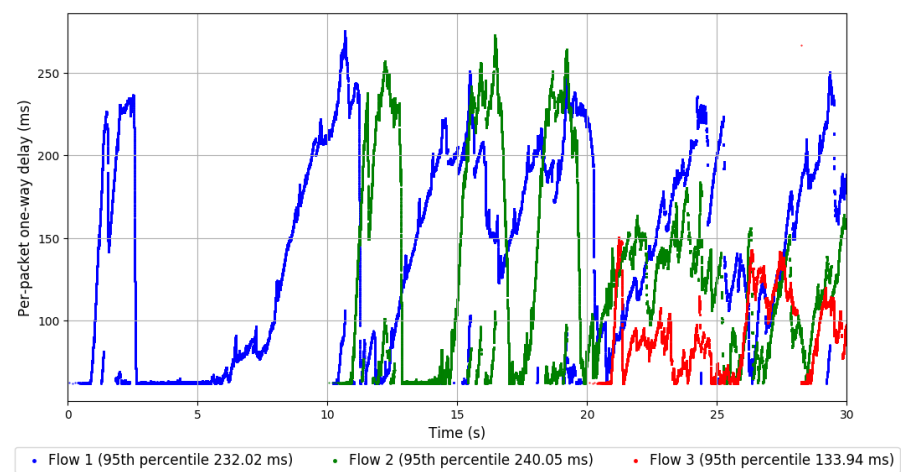
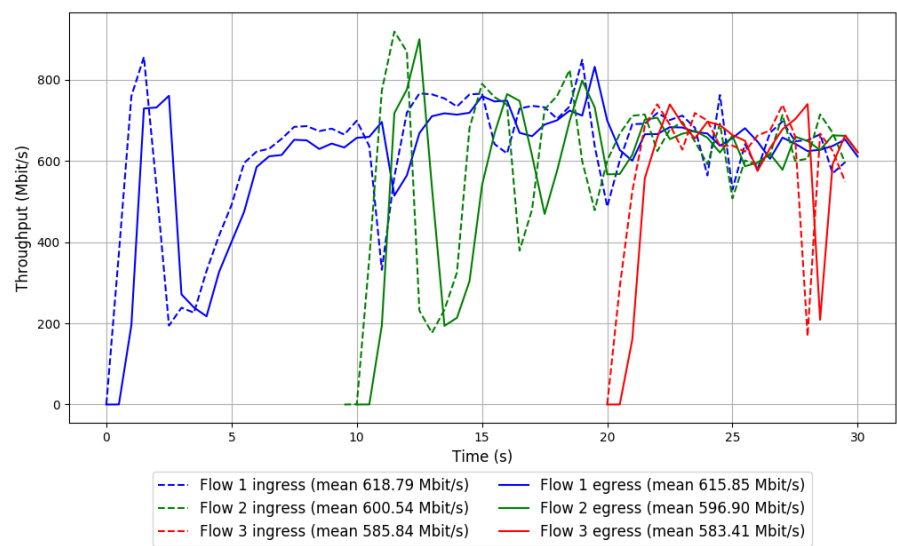


Run 3: Statistics of FillP

Start at: 2018-06-30 16:57:05
End at: 2018-06-30 16:57:35
Local clock offset: -0.088 ms
Remote clock offset: 1.307 ms

Below is generated by plot.py at 2018-06-30 20:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 1206.59 Mbit/s
95th percentile per-packet one-way delay: 233.087 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 615.85 Mbit/s
95th percentile per-packet one-way delay: 232.024 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 596.90 Mbit/s
95th percentile per-packet one-way delay: 240.046 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 583.41 Mbit/s
95th percentile per-packet one-way delay: 133.938 ms
Loss rate: 0.40%

Run 3: Report of FillP — Data Link

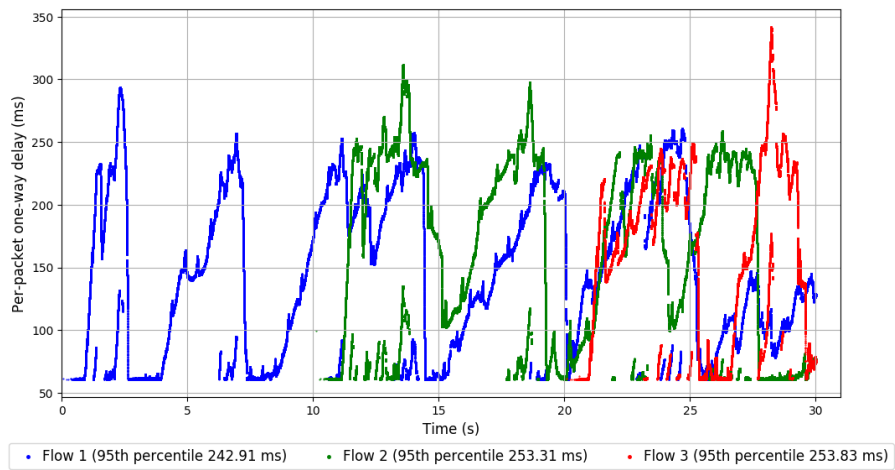
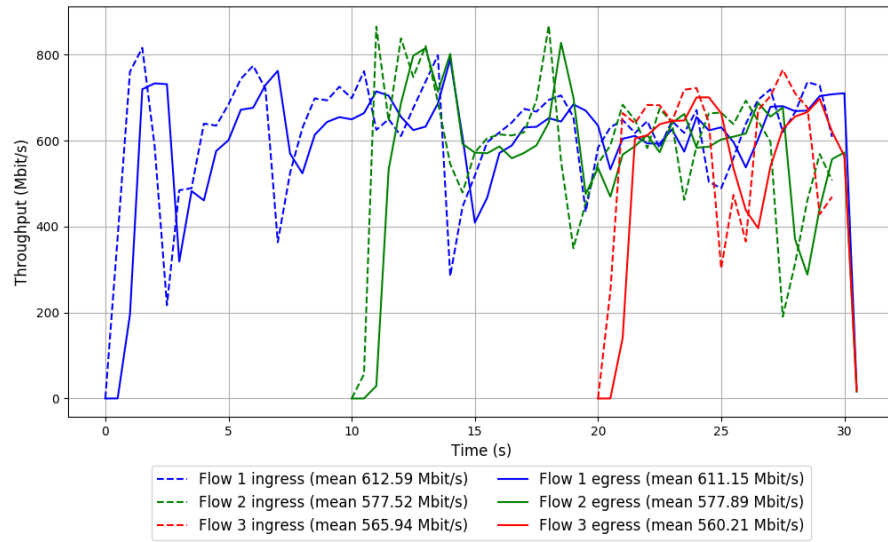


Run 4: Statistics of FillP

Start at: 2018-06-30 17:20:42
End at: 2018-06-30 17:21:12
Local clock offset: -0.011 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-06-30 20:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 1180.35 Mbit/s
95th percentile per-packet one-way delay: 248.788 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 611.15 Mbit/s
95th percentile per-packet one-way delay: 242.907 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 577.89 Mbit/s
95th percentile per-packet one-way delay: 253.308 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 560.21 Mbit/s
95th percentile per-packet one-way delay: 253.829 ms
Loss rate: 0.88%

Run 4: Report of FillP — Data Link

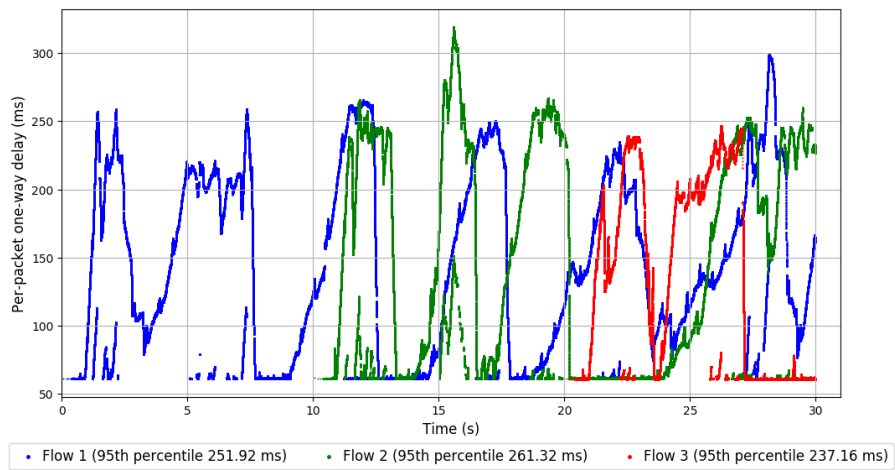
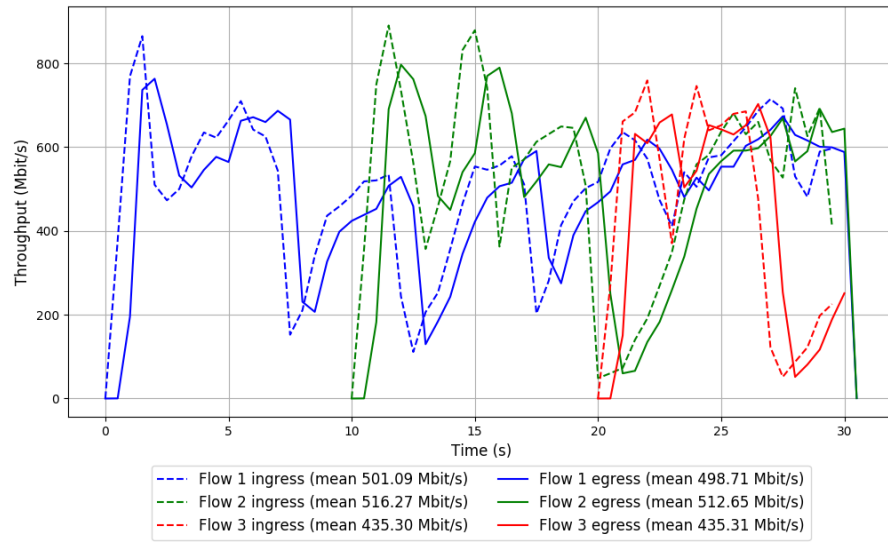


Run 5: Statistics of FillP

Start at: 2018-06-30 17:44:19
End at: 2018-06-30 17:44:49
Local clock offset: 0.103 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-06-30 20:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 984.07 Mbit/s
95th percentile per-packet one-way delay: 255.590 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 498.71 Mbit/s
95th percentile per-packet one-way delay: 251.918 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 512.65 Mbit/s
95th percentile per-packet one-way delay: 261.318 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 435.31 Mbit/s
95th percentile per-packet one-way delay: 237.165 ms
Loss rate: 0.00%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-06-30 18:08:03

End at: 2018-06-30 18:08:33

Local clock offset: 0.273 ms

Remote clock offset: 1.279 ms

Below is generated by plot.py at 2018-06-30 20:54:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 1148.27 Mbit/s

95th percentile per-packet one-way delay: 243.752 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 600.90 Mbit/s

95th percentile per-packet one-way delay: 243.321 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 561.93 Mbit/s

95th percentile per-packet one-way delay: 249.546 ms

Loss rate: 0.70%

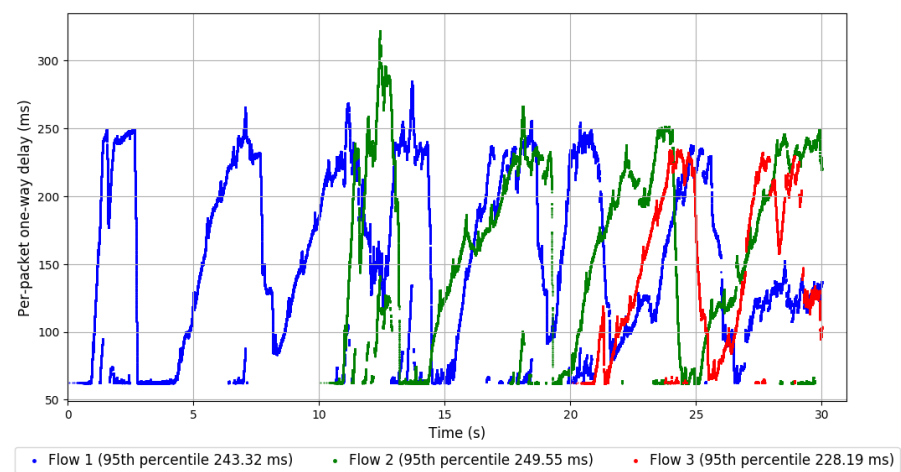
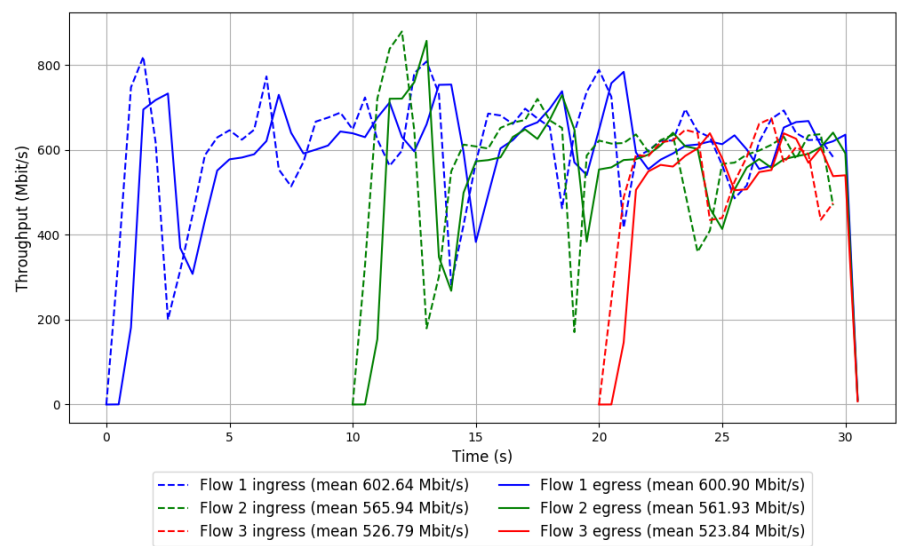
-- Flow 3:

Average throughput: 523.84 Mbit/s

95th percentile per-packet one-way delay: 228.192 ms

Loss rate: 0.55%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-06-30 18:31:48

End at: 2018-06-30 18:32:18

Local clock offset: 0.045 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2018-06-30 20:55:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 1176.30 Mbit/s

95th percentile per-packet one-way delay: 242.595 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 579.70 Mbit/s

95th percentile per-packet one-way delay: 245.851 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 604.93 Mbit/s

95th percentile per-packet one-way delay: 243.410 ms

Loss rate: 0.01%

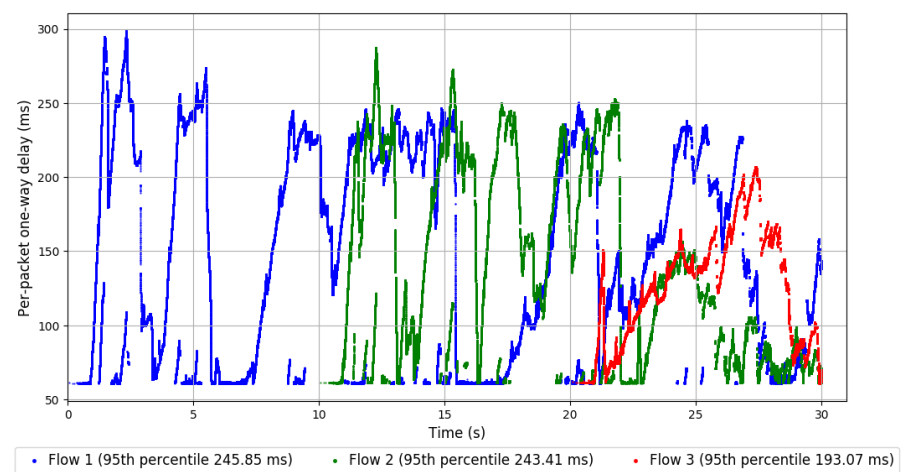
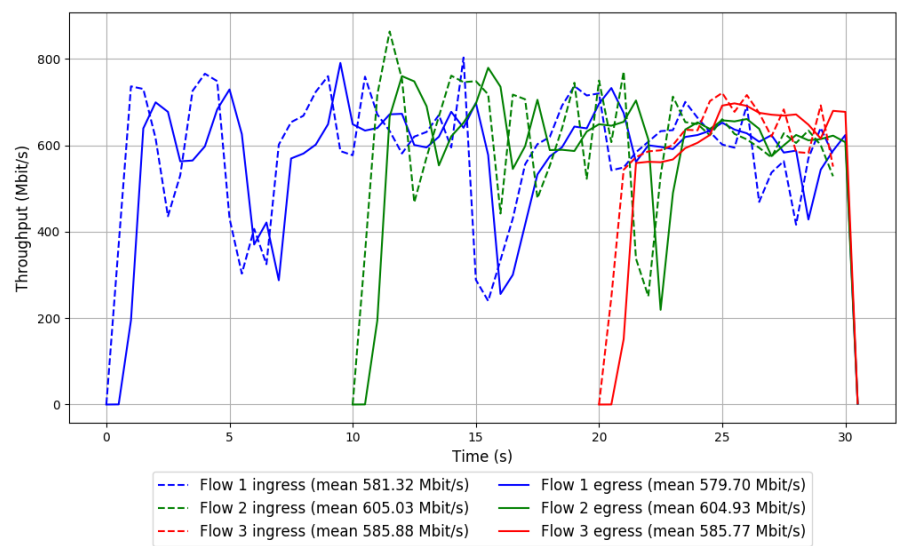
-- Flow 3:

Average throughput: 585.77 Mbit/s

95th percentile per-packet one-way delay: 193.070 ms

Loss rate: 0.02%

Run 7: Report of FillP — Data Link

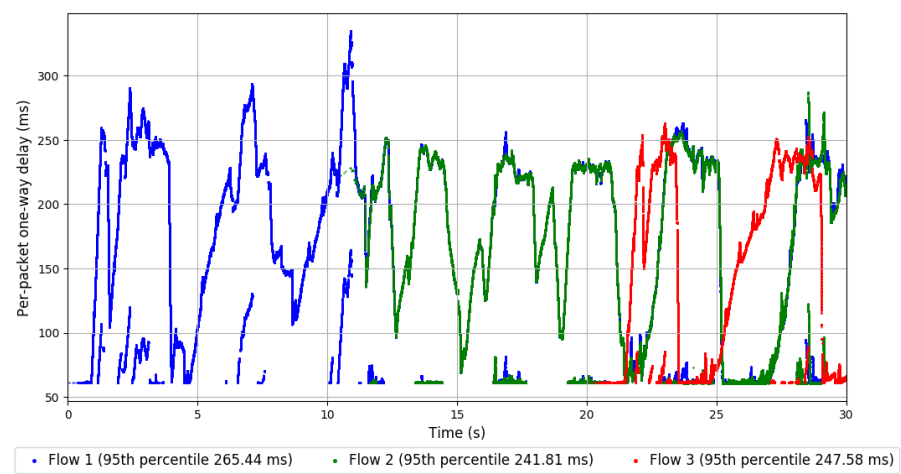
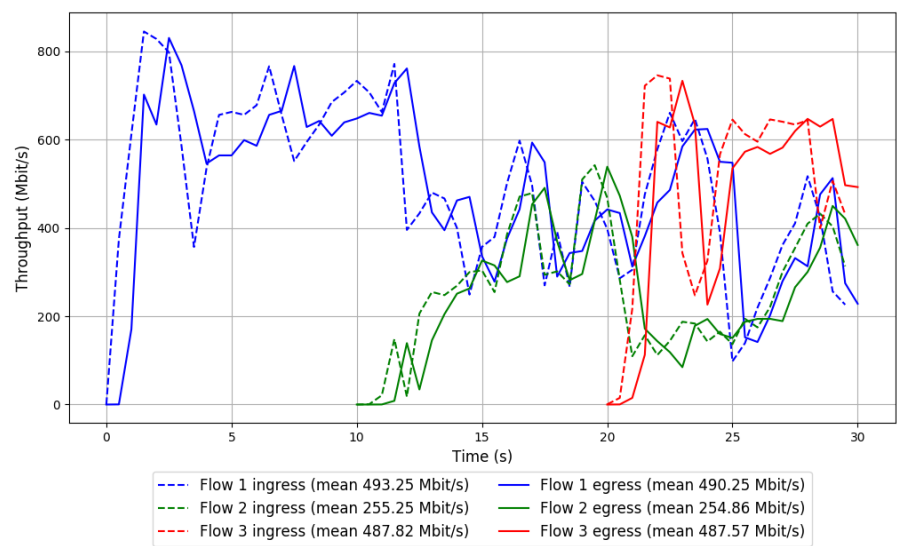


Run 8: Statistics of FillP

Start at: 2018-06-30 18:55:33
End at: 2018-06-30 18:56:03
Local clock offset: -0.043 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-06-30 20:55:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 819.90 Mbit/s
95th percentile per-packet one-way delay: 255.058 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 490.25 Mbit/s
95th percentile per-packet one-way delay: 265.440 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 254.86 Mbit/s
95th percentile per-packet one-way delay: 241.809 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 487.57 Mbit/s
95th percentile per-packet one-way delay: 247.581 ms
Loss rate: 0.05%

Run 8: Report of FillP — Data Link

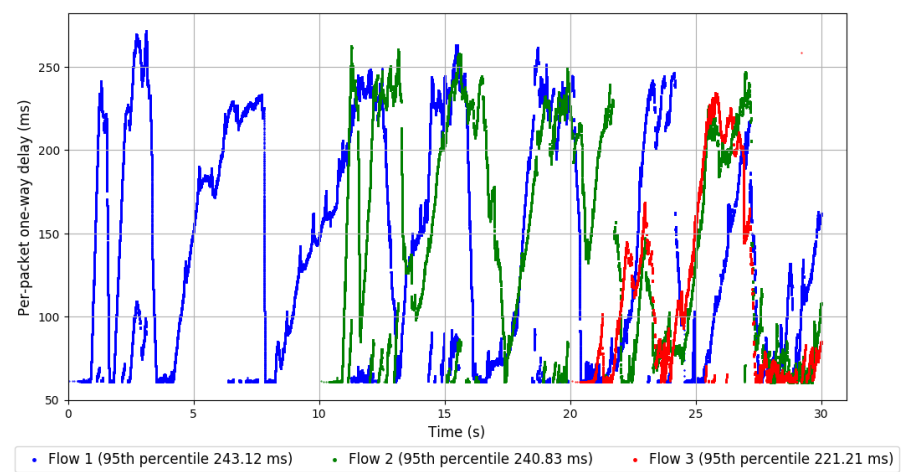
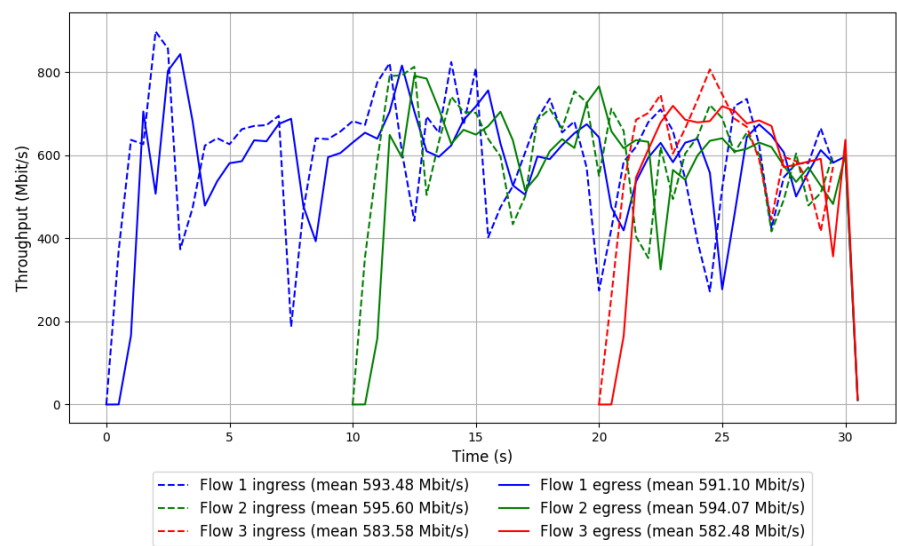


Run 9: Statistics of FillP

Start at: 2018-06-30 19:19:11
End at: 2018-06-30 19:19:41
Local clock offset: -0.041 ms
Remote clock offset: -0.277 ms

Below is generated by plot.py at 2018-06-30 21:16:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 1179.47 Mbit/s
95th percentile per-packet one-way delay: 240.640 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 591.10 Mbit/s
95th percentile per-packet one-way delay: 243.123 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 594.07 Mbit/s
95th percentile per-packet one-way delay: 240.830 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 582.48 Mbit/s
95th percentile per-packet one-way delay: 221.211 ms
Loss rate: 0.17%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-06-30 19:43:49

End at: 2018-06-30 19:44:19

Local clock offset: 0.047 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-06-30 21:20:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 1237.61 Mbit/s

95th percentile per-packet one-way delay: 238.963 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 627.08 Mbit/s

95th percentile per-packet one-way delay: 236.141 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 644.30 Mbit/s

95th percentile per-packet one-way delay: 236.042 ms

Loss rate: 0.46%

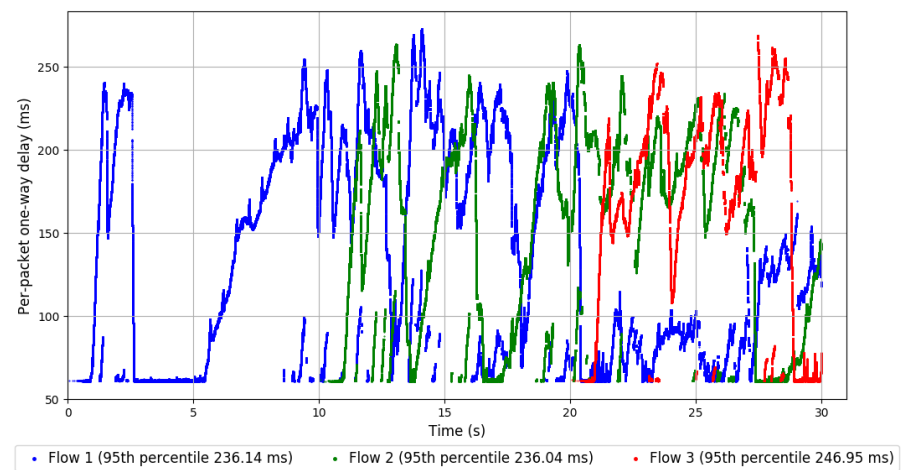
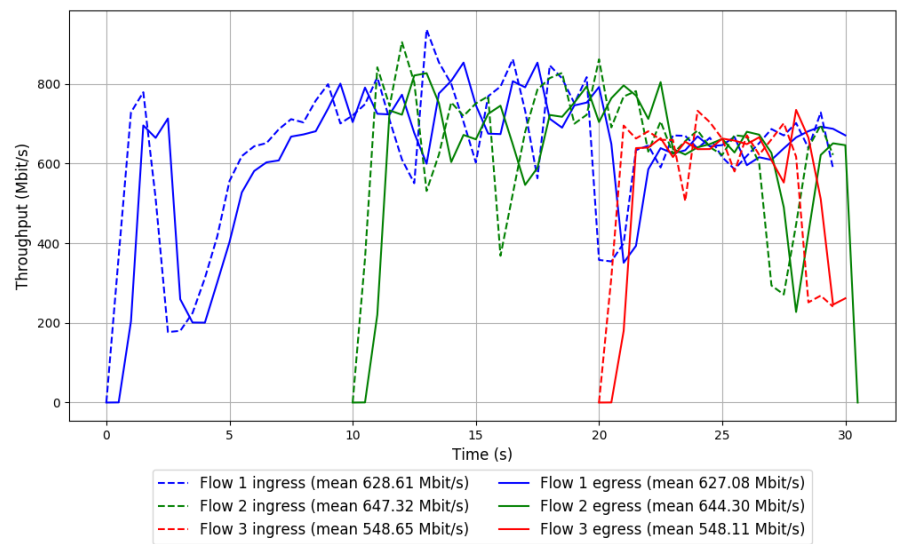
-- Flow 3:

Average throughput: 548.11 Mbit/s

95th percentile per-packet one-way delay: 246.946 ms

Loss rate: 0.09%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-06-30 16:02:07

End at: 2018-06-30 16:02:37

Local clock offset: -0.482 ms

Remote clock offset: 1.441 ms

Below is generated by plot.py at 2018-06-30 21:20:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 62.778 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 62.619 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 62.874 ms

Loss rate: 0.00%

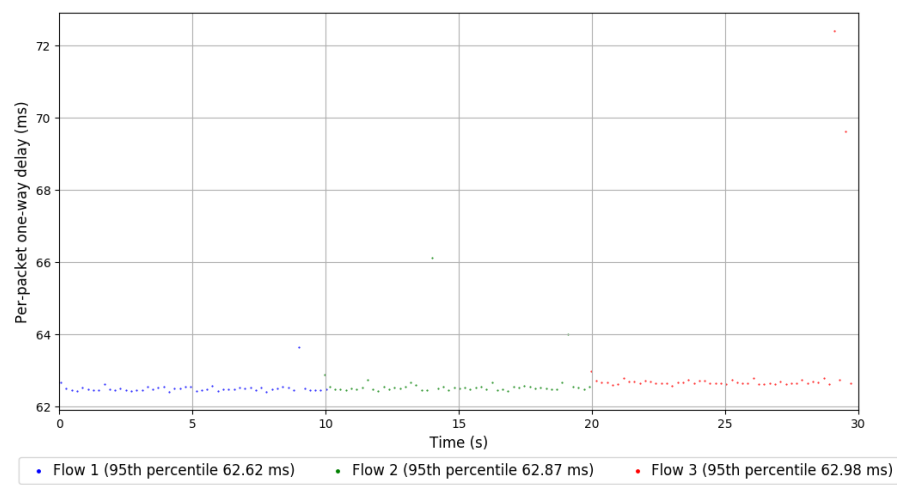
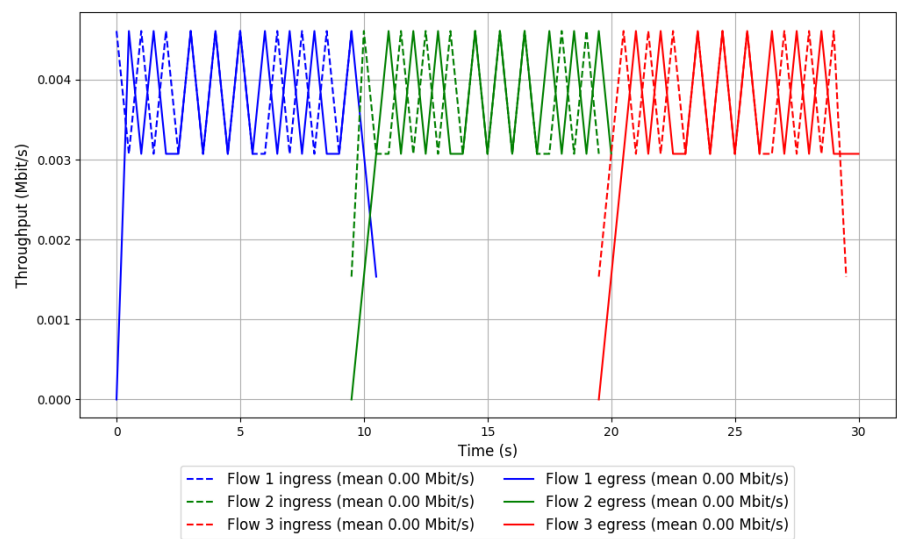
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 62.975 ms

Loss rate: 0.00%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-06-30 16:25:30

End at: 2018-06-30 16:26:00

Local clock offset: 0.107 ms

Remote clock offset: 1.081 ms

Below is generated by plot.py at 2018-06-30 21:20:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 63.419 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 64.105 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 62.666 ms

Loss rate: 0.00%

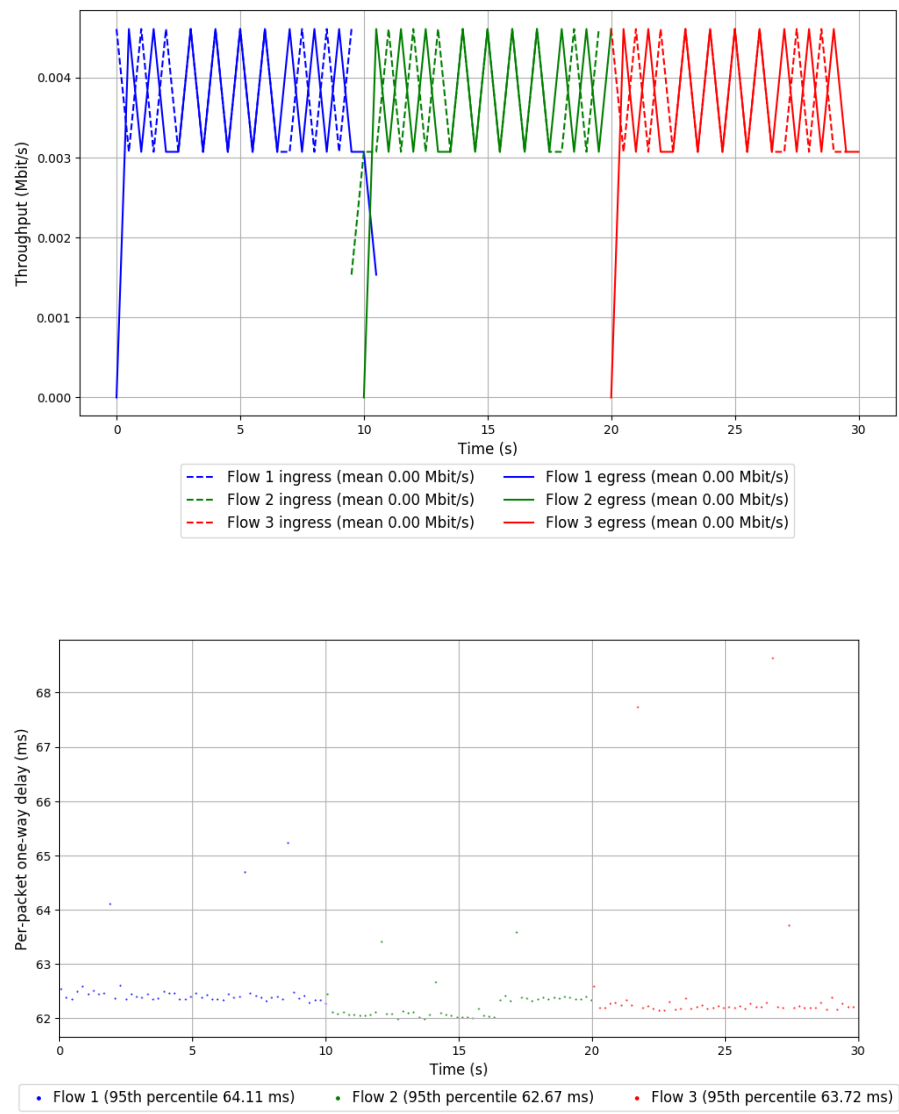
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 63.717 ms

Loss rate: 0.00%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-06-30 16:49:19

End at: 2018-06-30 16:49:49

Local clock offset: -0.078 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2018-06-30 21:20:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.496 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.443 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.448 ms

Loss rate: 0.00%

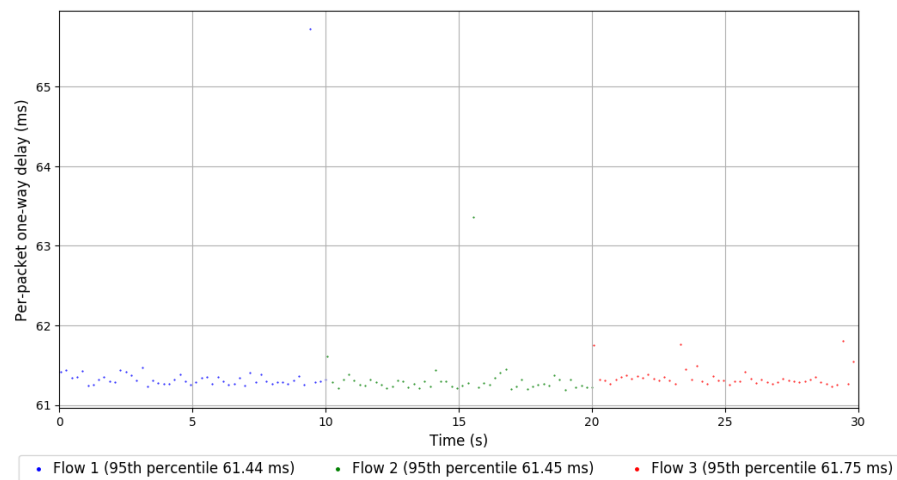
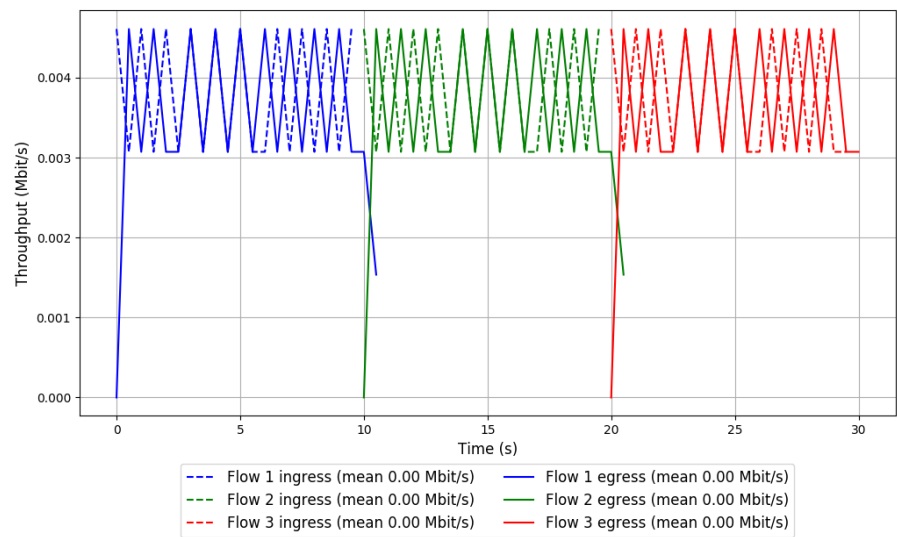
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.749 ms

Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-06-30 17:13:00

End at: 2018-06-30 17:13:30

Local clock offset: -0.095 ms

Remote clock offset: 0.145 ms

Below is generated by plot.py at 2018-06-30 21:20:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.833 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.833 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.999 ms

Loss rate: 0.00%

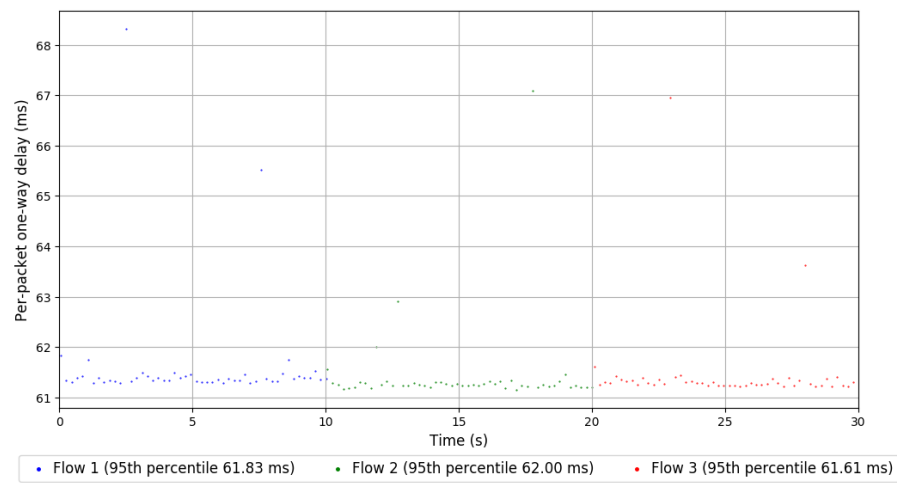
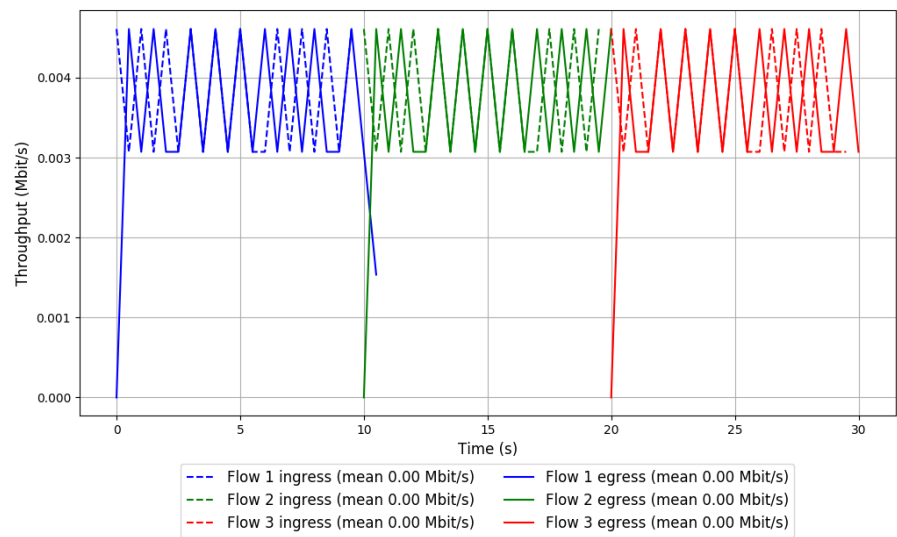
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.612 ms

Loss rate: 0.00%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-06-30 17:36:40

End at: 2018-06-30 17:37:10

Local clock offset: 0.062 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-06-30 21:20:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.653 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.416 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.552 ms

Loss rate: 0.00%

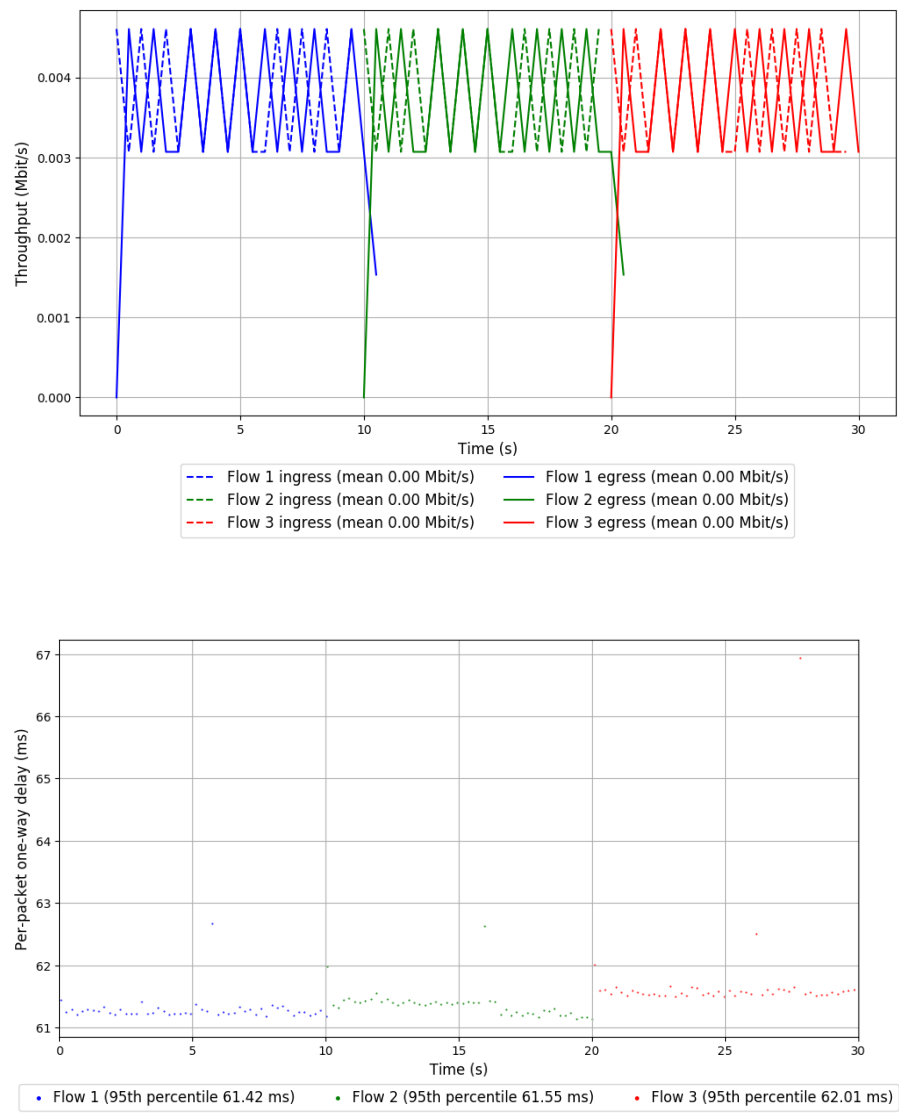
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 62.012 ms

Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link

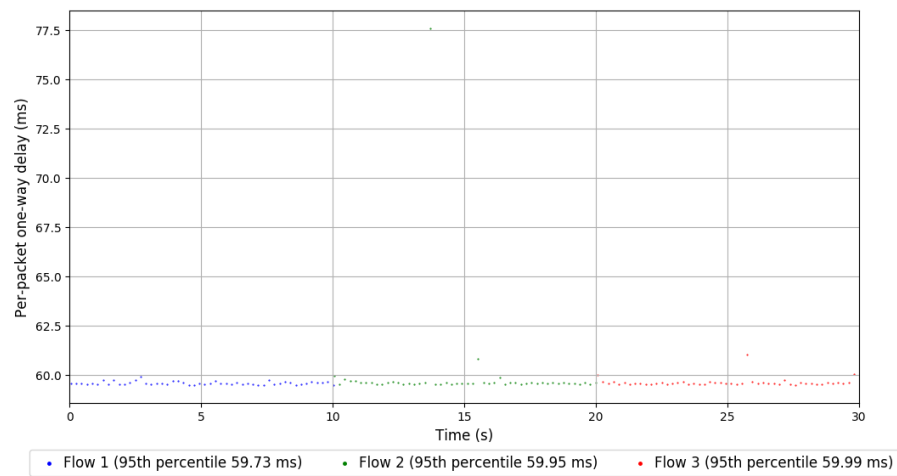
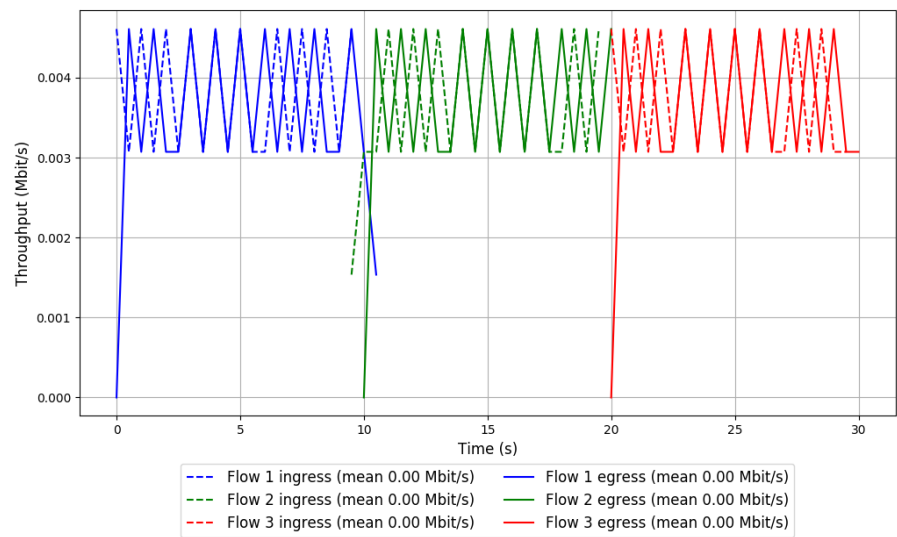


Run 6: Statistics of FillP-Sheep

Start at: 2018-06-30 18:00:16
End at: 2018-06-30 18:00:46
Local clock offset: 0.208 ms
Remote clock offset: -1.448 ms

Below is generated by plot.py at 2018-06-30 21:20:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 59.859 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 59.731 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 59.948 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 59.991 ms
Loss rate: 0.00%

Run 6: Report of FillP-Sheep — Data Link

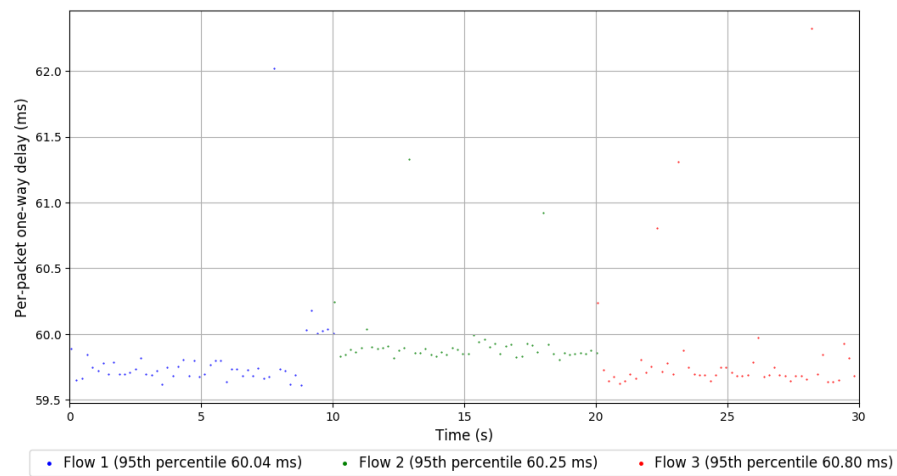
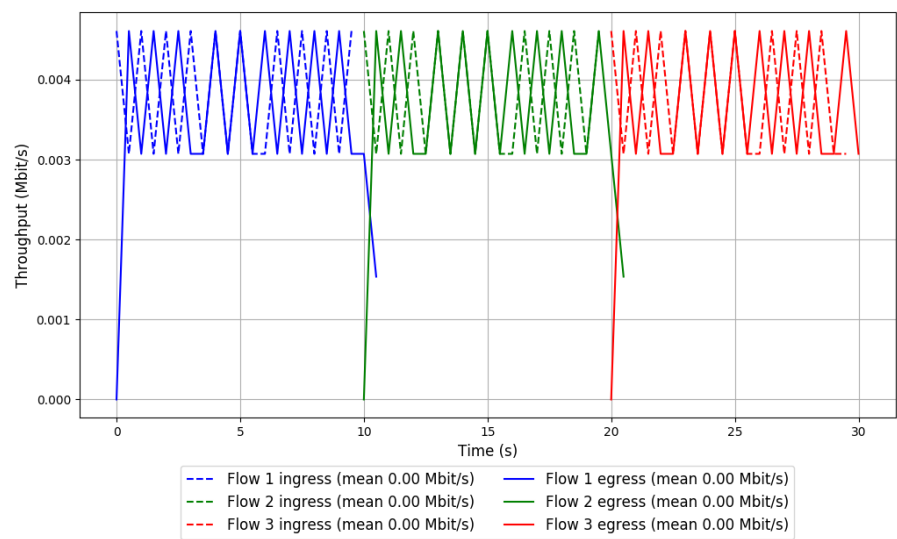


Run 7: Statistics of FillP-Sheep

Start at: 2018-06-30 18:24:08
End at: 2018-06-30 18:24:38
Local clock offset: 0.173 ms
Remote clock offset: -1.245 ms

Below is generated by plot.py at 2018-06-30 21:20:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 60.235 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 60.039 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 60.246 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 60.803 ms
Loss rate: 0.00%

Run 7: Report of FillP-Sheep — Data Link

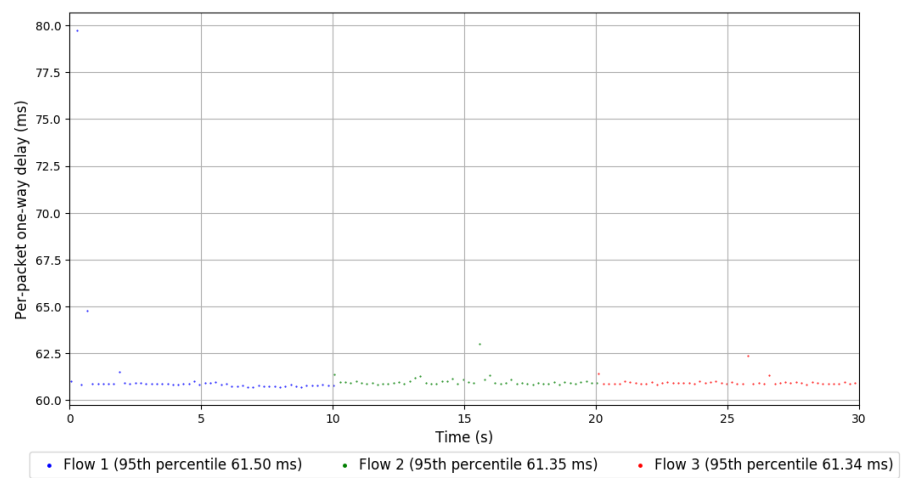
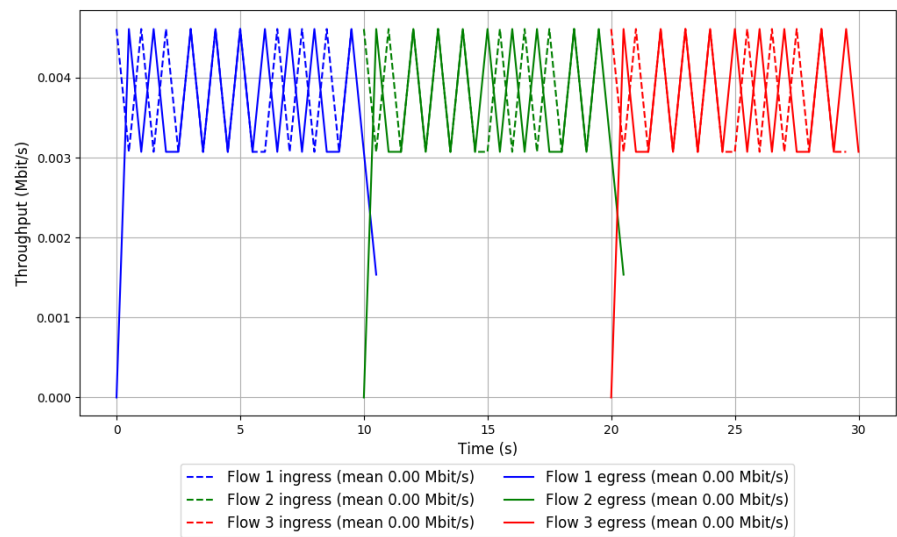


Run 8: Statistics of FillP-Sheep

Start at: 2018-06-30 18:47:50
End at: 2018-06-30 18:48:20
Local clock offset: -0.012 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2018-06-30 21:20:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.352 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.504 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.352 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.345 ms
Loss rate: 0.00%

Run 8: Report of FillP-Sheep — Data Link

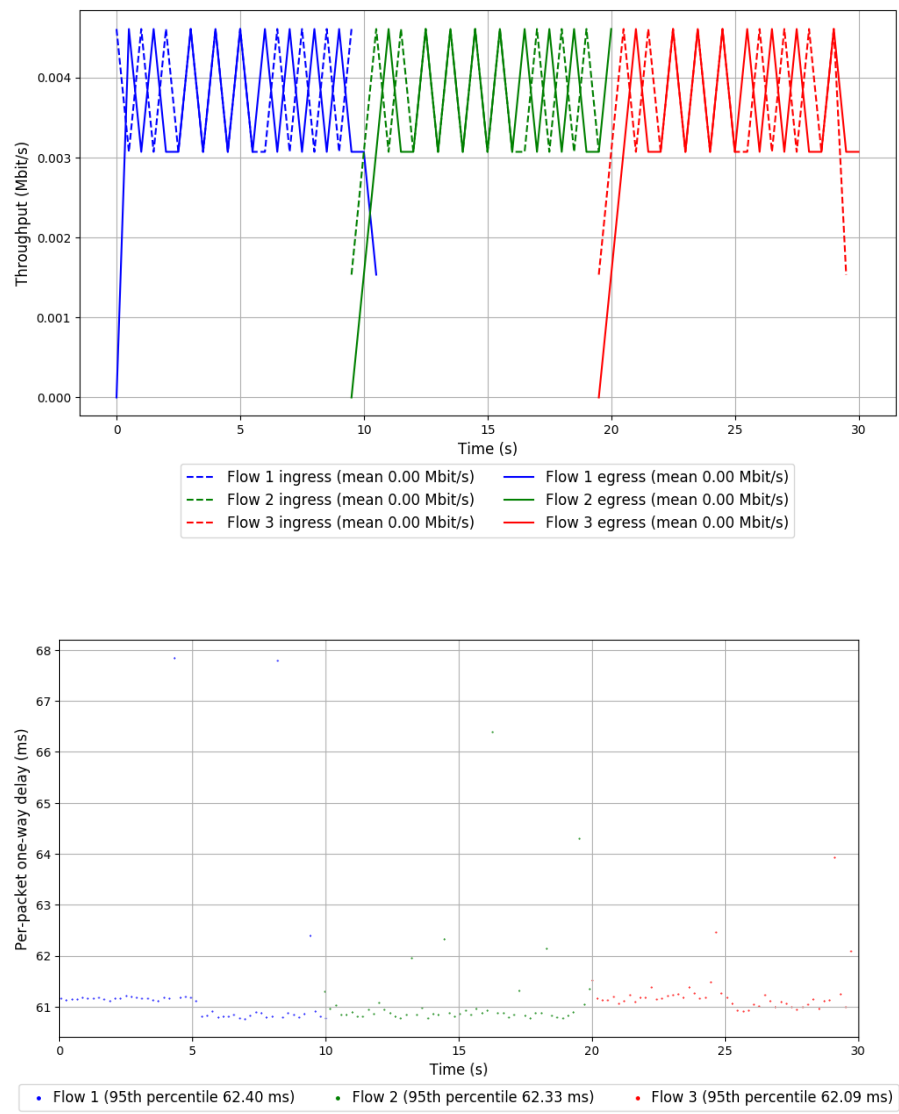


Run 9: Statistics of FillP-Sheep

Start at: 2018-06-30 19:11:21
End at: 2018-06-30 19:11:51
Local clock offset: -0.014 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-06-30 21:20:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 62.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 62.400 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 62.332 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 62.092 ms
Loss rate: 0.00%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-06-30 19:35:40

End at: 2018-06-30 19:36:10

Local clock offset: -0.01 ms

Remote clock offset: 0.11 ms

Below is generated by plot.py at 2018-06-30 21:20:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.684 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.592 ms

Loss rate: 0.00%

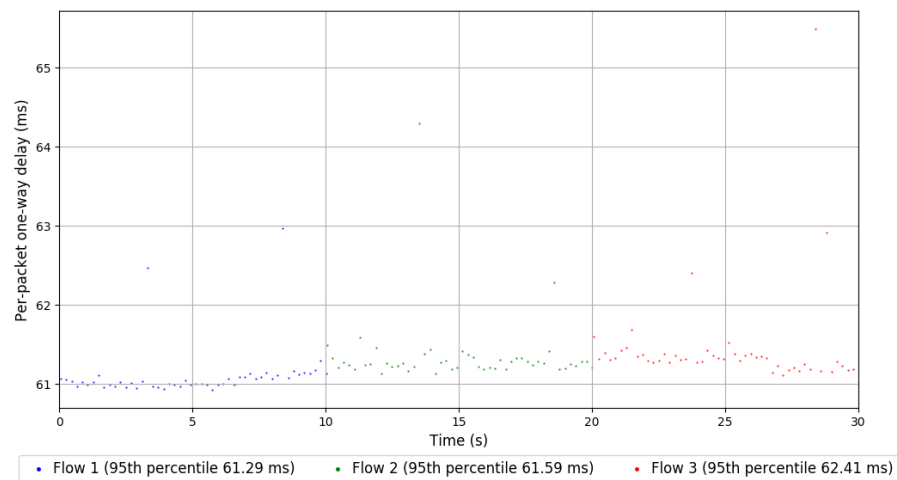
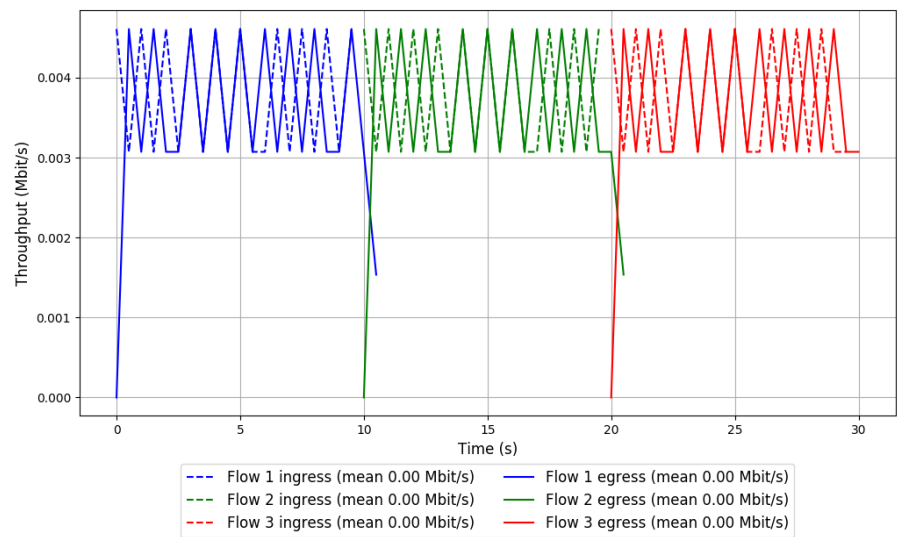
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 62.406 ms

Loss rate: 0.00%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-06-30 16:11:46

End at: 2018-06-30 16:12:16

Local clock offset: -0.08 ms

Remote clock offset: 0.208 ms

Below is generated by plot.py at 2018-06-30 21:20:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 119.24 Mbit/s

95th percentile per-packet one-way delay: 81.490 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.411 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 108.40 Mbit/s

95th percentile per-packet one-way delay: 81.010 ms

Loss rate: 0.02%

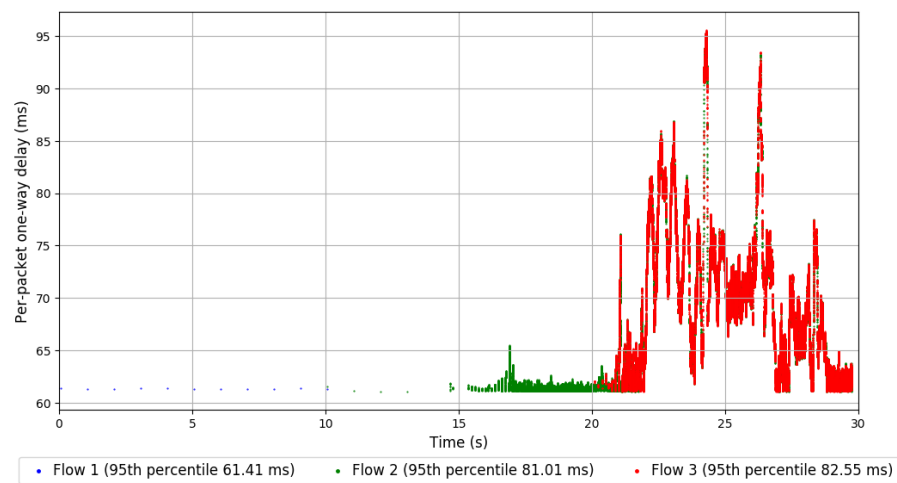
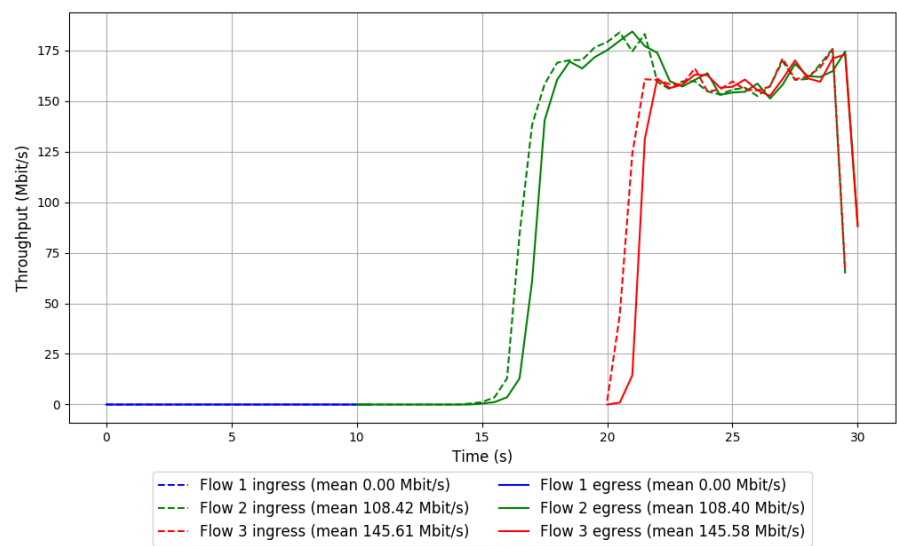
-- Flow 3:

Average throughput: 145.58 Mbit/s

95th percentile per-packet one-way delay: 82.551 ms

Loss rate: 0.02%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-06-30 16:35:12

End at: 2018-06-30 16:35:42

Local clock offset: 0.228 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-06-30 21:20:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 280.05 Mbit/s

95th percentile per-packet one-way delay: 102.121 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 157.78 Mbit/s

95th percentile per-packet one-way delay: 96.672 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 135.70 Mbit/s

95th percentile per-packet one-way delay: 102.440 ms

Loss rate: 0.03%

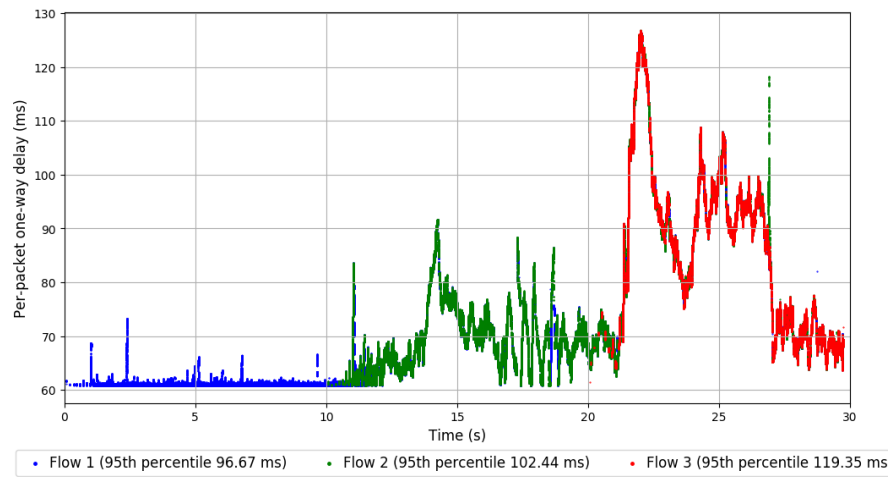
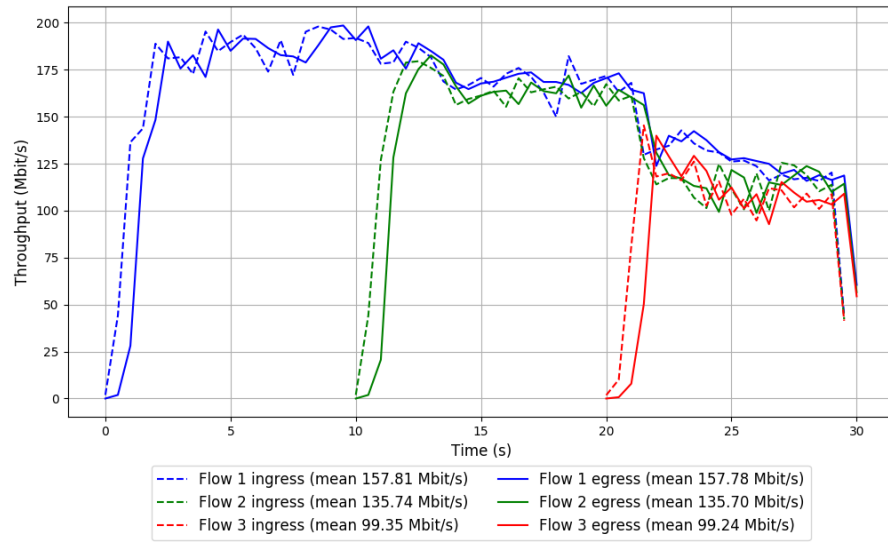
-- Flow 3:

Average throughput: 99.24 Mbit/s

95th percentile per-packet one-way delay: 119.347 ms

Loss rate: 0.08%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-06-30 16:59:07

End at: 2018-06-30 16:59:37

Local clock offset: -0.164 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-06-30 21:20:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 274.33 Mbit/s

95th percentile per-packet one-way delay: 96.510 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 174.67 Mbit/s

95th percentile per-packet one-way delay: 92.965 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 122.91 Mbit/s

95th percentile per-packet one-way delay: 97.834 ms

Loss rate: 0.04%

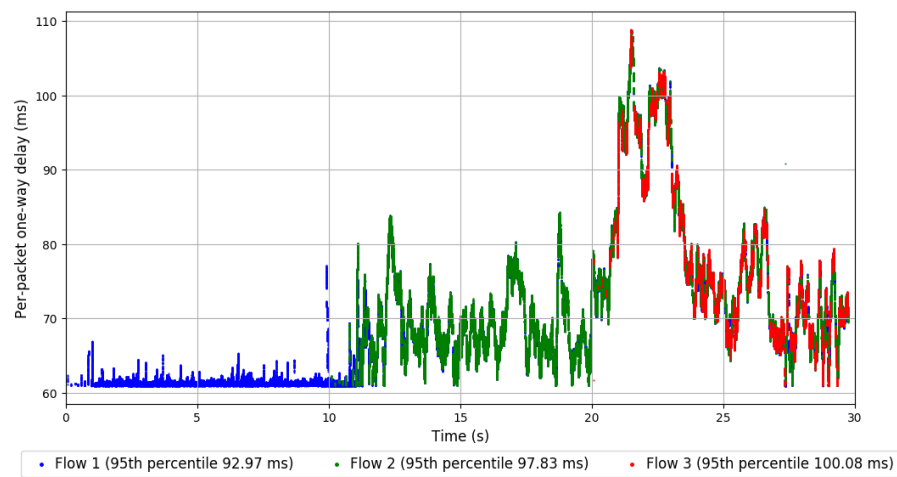
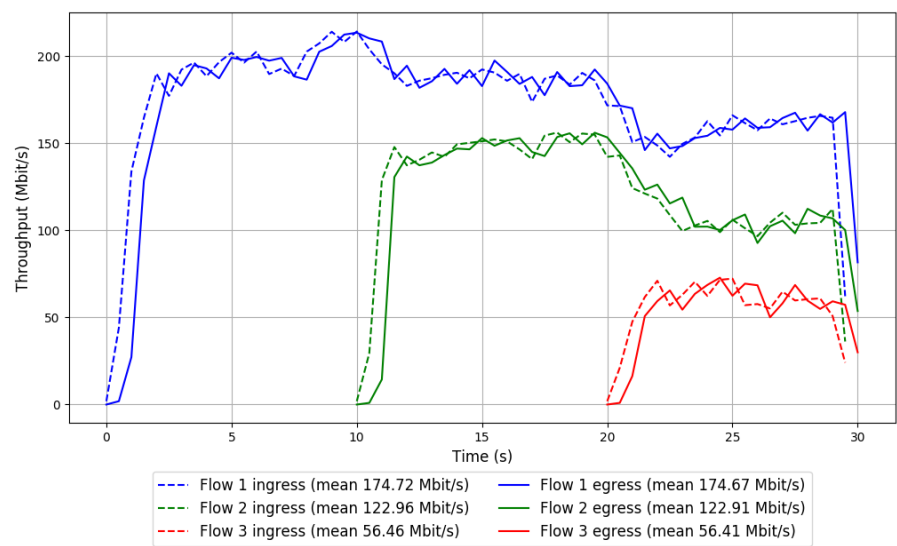
-- Flow 3:

Average throughput: 56.41 Mbit/s

95th percentile per-packet one-way delay: 100.083 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

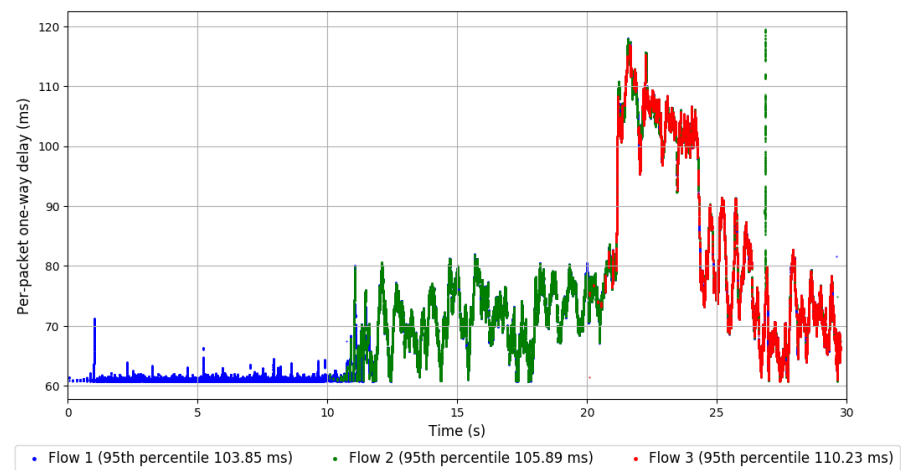
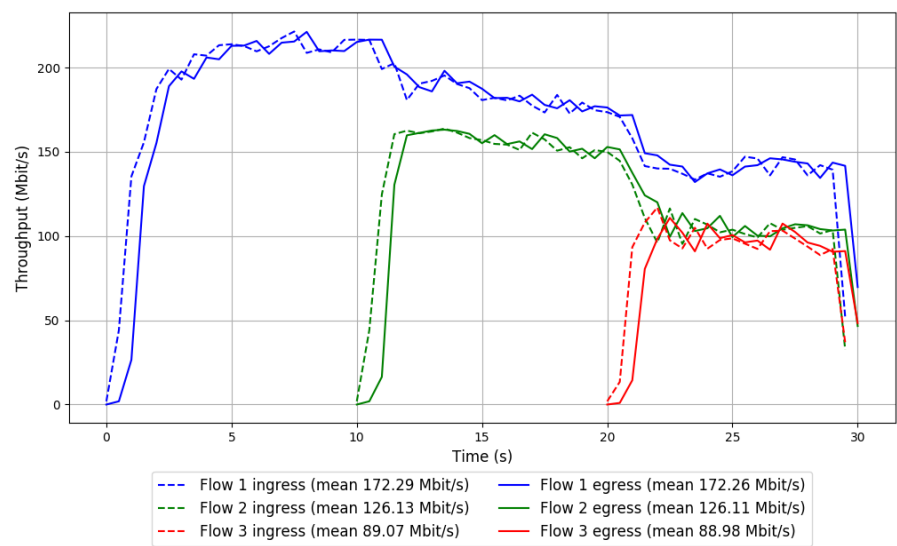


Run 4: Statistics of Indigo

Start at: 2018-06-30 17:22:43
End at: 2018-06-30 17:23:13
Local clock offset: 0.022 ms
Remote clock offset: -0.164 ms

```
# Below is generated by plot.py at 2018-06-30 21:20:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 284.77 Mbit/s
95th percentile per-packet one-way delay: 105.646 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 172.26 Mbit/s
95th percentile per-packet one-way delay: 103.850 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 126.11 Mbit/s
95th percentile per-packet one-way delay: 105.895 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 88.98 Mbit/s
95th percentile per-packet one-way delay: 110.235 ms
Loss rate: 0.08%
```

Run 4: Report of Indigo — Data Link

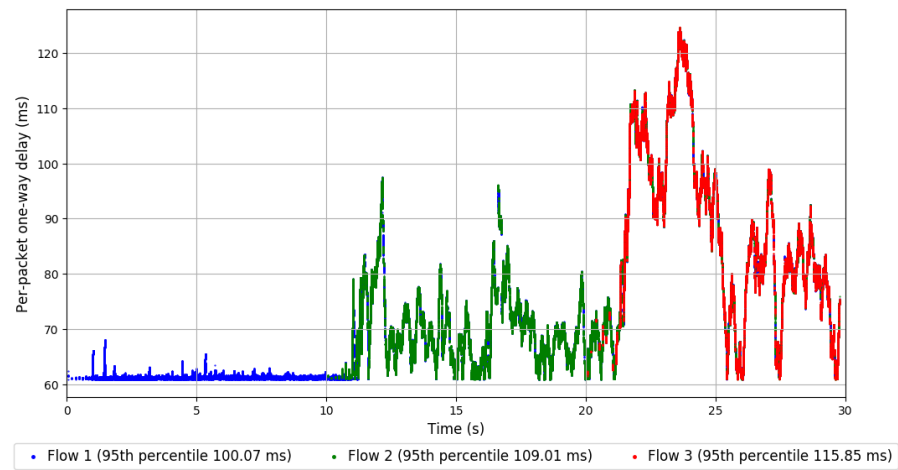
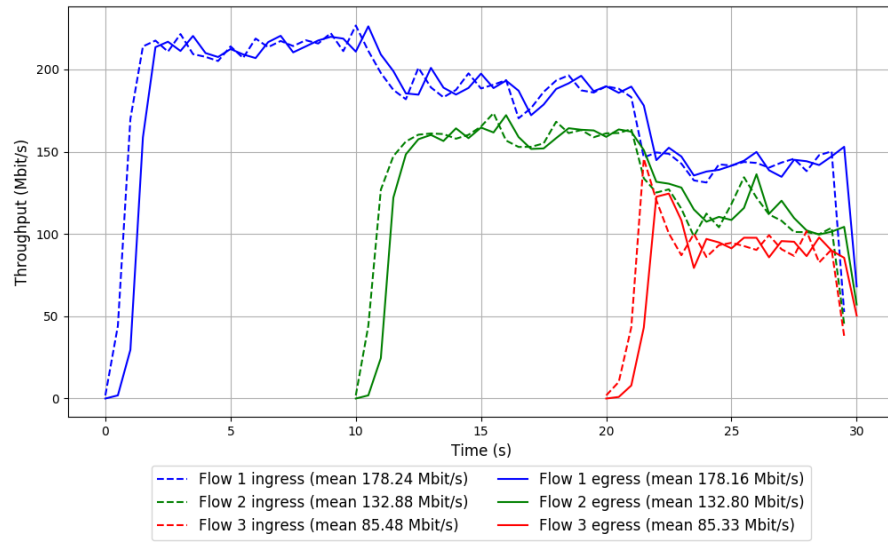


Run 5: Statistics of Indigo

Start at: 2018-06-30 17:46:13
End at: 2018-06-30 17:46:43
Local clock offset: 0.135 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-06-30 21:20:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 294.02 Mbit/s
95th percentile per-packet one-way delay: 108.405 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 178.16 Mbit/s
95th percentile per-packet one-way delay: 100.067 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 132.80 Mbit/s
95th percentile per-packet one-way delay: 109.009 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 85.33 Mbit/s
95th percentile per-packet one-way delay: 115.846 ms
Loss rate: 0.19%

Run 5: Report of Indigo — Data Link

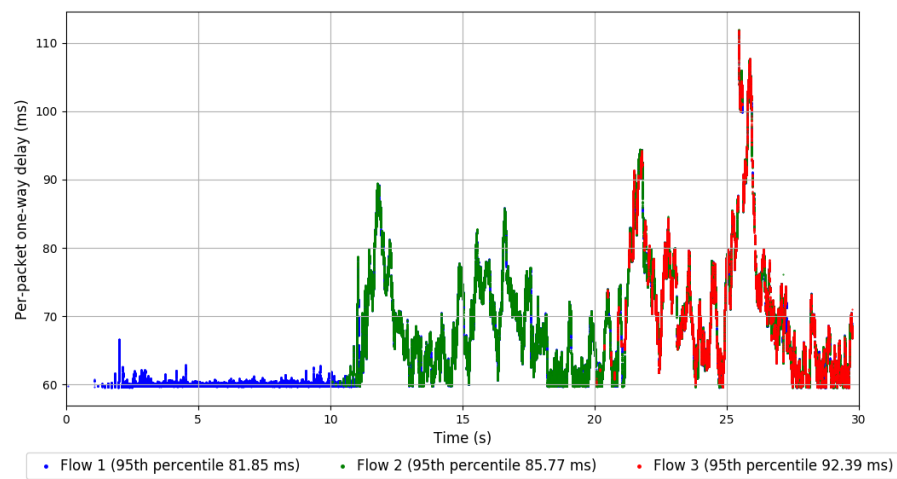
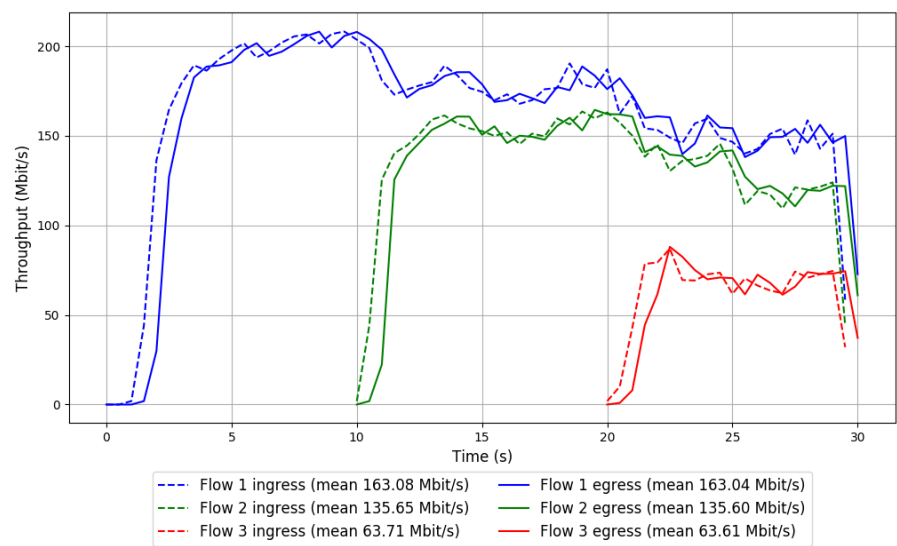


Run 6: Statistics of Indigo

Start at: 2018-06-30 18:10:04
End at: 2018-06-30 18:10:34
Local clock offset: 0.307 ms
Remote clock offset: -1.233 ms

Below is generated by plot.py at 2018-06-30 21:20:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 273.68 Mbit/s
95th percentile per-packet one-way delay: 84.440 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 163.04 Mbit/s
95th percentile per-packet one-way delay: 81.846 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 135.60 Mbit/s
95th percentile per-packet one-way delay: 85.774 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 63.61 Mbit/s
95th percentile per-packet one-way delay: 92.385 ms
Loss rate: 0.11%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-30 18:33:49

End at: 2018-06-30 18:34:19

Local clock offset: 0.035 ms

Remote clock offset: 0.424 ms

Below is generated by plot.py at 2018-06-30 21:20:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 277.78 Mbit/s

95th percentile per-packet one-way delay: 113.957 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 161.86 Mbit/s

95th percentile per-packet one-way delay: 108.420 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 126.86 Mbit/s

95th percentile per-packet one-way delay: 114.246 ms

Loss rate: 0.10%

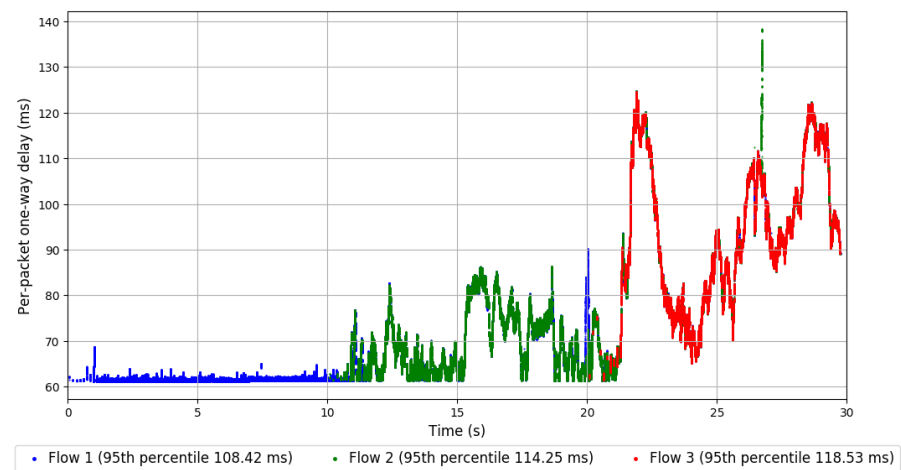
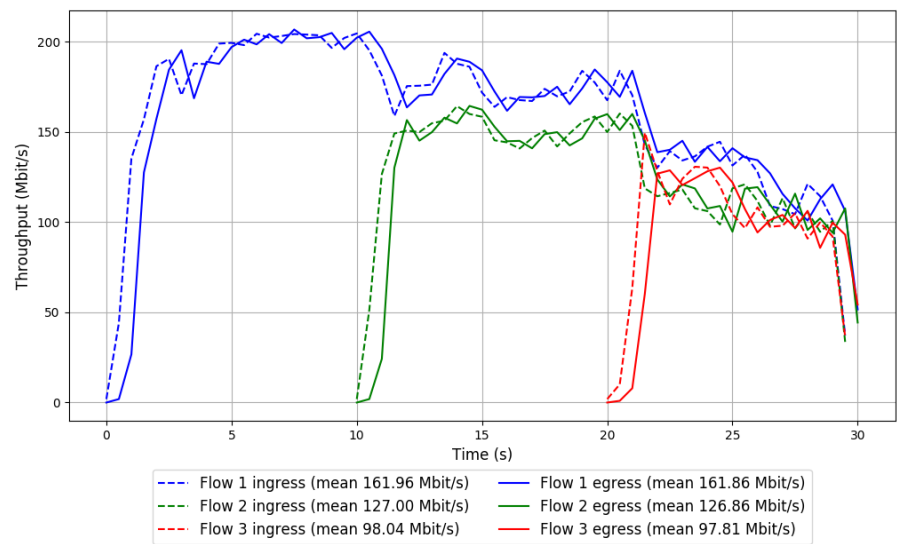
-- Flow 3:

Average throughput: 97.81 Mbit/s

95th percentile per-packet one-way delay: 118.532 ms

Loss rate: 0.24%

Run 7: Report of Indigo — Data Link

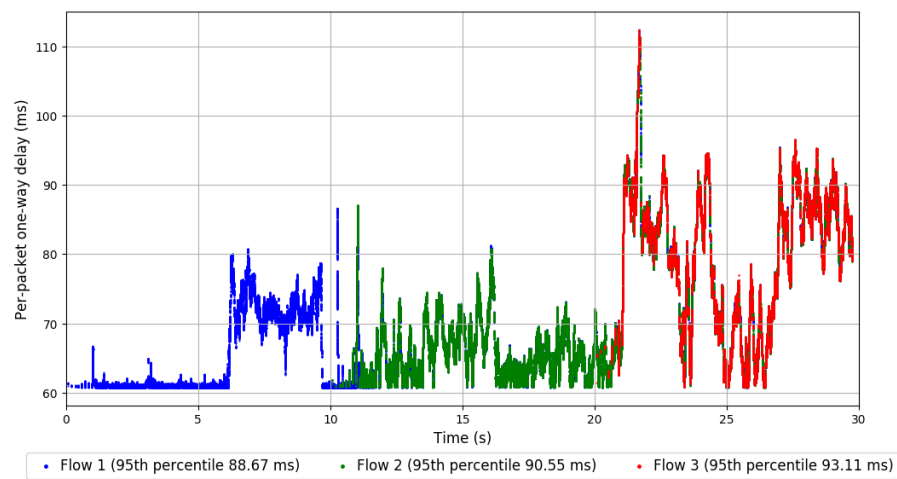
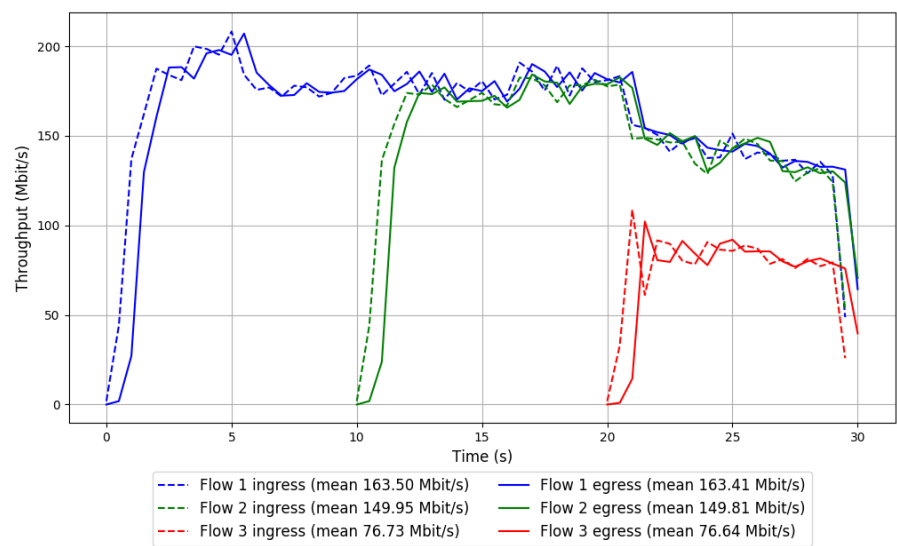


Run 8: Statistics of Indigo

Start at: 2018-06-30 18:57:19
End at: 2018-06-30 18:57:49
Local clock offset: -0.041 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2018-06-30 21:20:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 287.71 Mbit/s
95th percentile per-packet one-way delay: 90.249 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 163.41 Mbit/s
95th percentile per-packet one-way delay: 88.672 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 149.81 Mbit/s
95th percentile per-packet one-way delay: 90.553 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 76.64 Mbit/s
95th percentile per-packet one-way delay: 93.113 ms
Loss rate: 0.07%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-30 19:21:13

End at: 2018-06-30 19:21:43

Local clock offset: -0.042 ms

Remote clock offset: 0.313 ms

Below is generated by plot.py at 2018-06-30 21:20:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 293.54 Mbit/s

95th percentile per-packet one-way delay: 96.543 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 156.59 Mbit/s

95th percentile per-packet one-way delay: 93.299 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 150.33 Mbit/s

95th percentile per-packet one-way delay: 96.655 ms

Loss rate: 0.02%

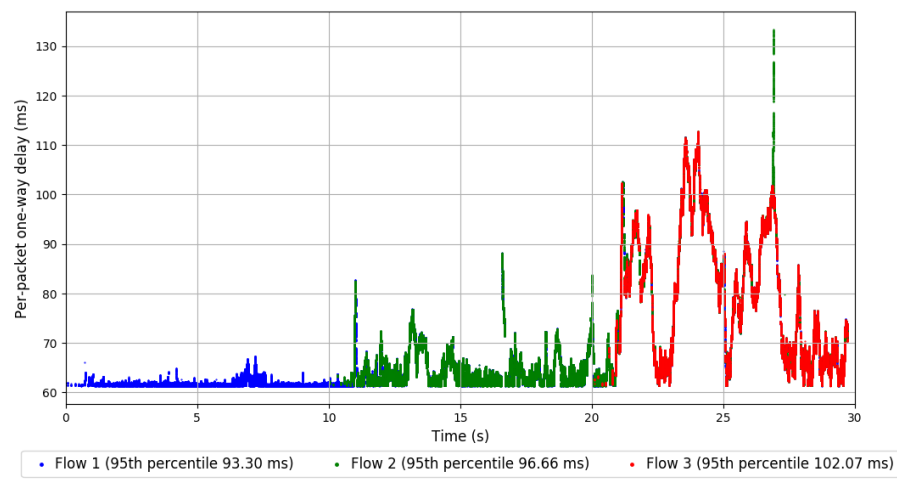
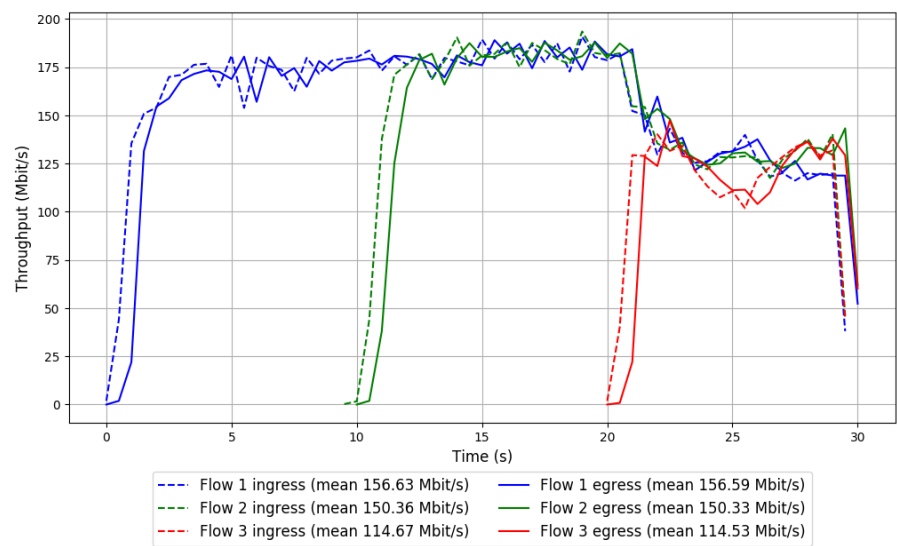
-- Flow 3:

Average throughput: 114.53 Mbit/s

95th percentile per-packet one-way delay: 102.074 ms

Loss rate: 0.10%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-30 19:46:09

End at: 2018-06-30 19:46:39

Local clock offset: 0.093 ms

Remote clock offset: 0.394 ms

Below is generated by plot.py at 2018-06-30 21:20:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 291.71 Mbit/s

95th percentile per-packet one-way delay: 90.471 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 161.49 Mbit/s

95th percentile per-packet one-way delay: 86.570 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 138.02 Mbit/s

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

Loss rate: 0.01%

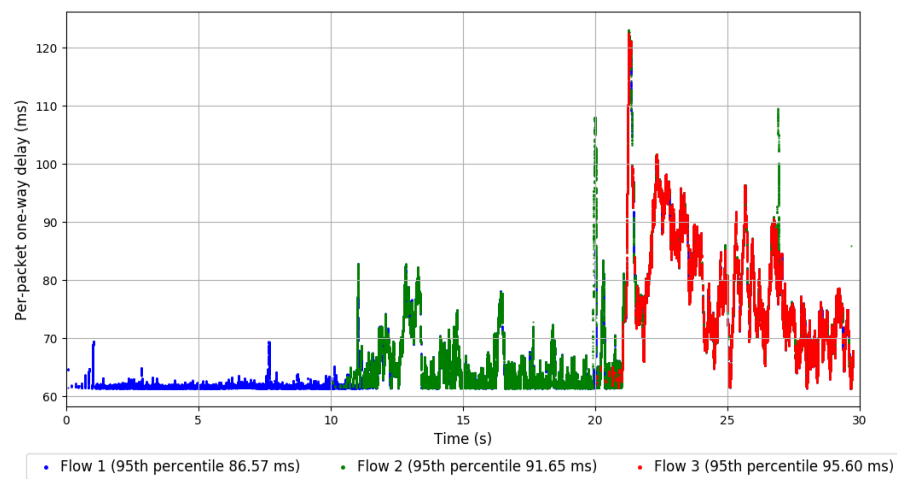
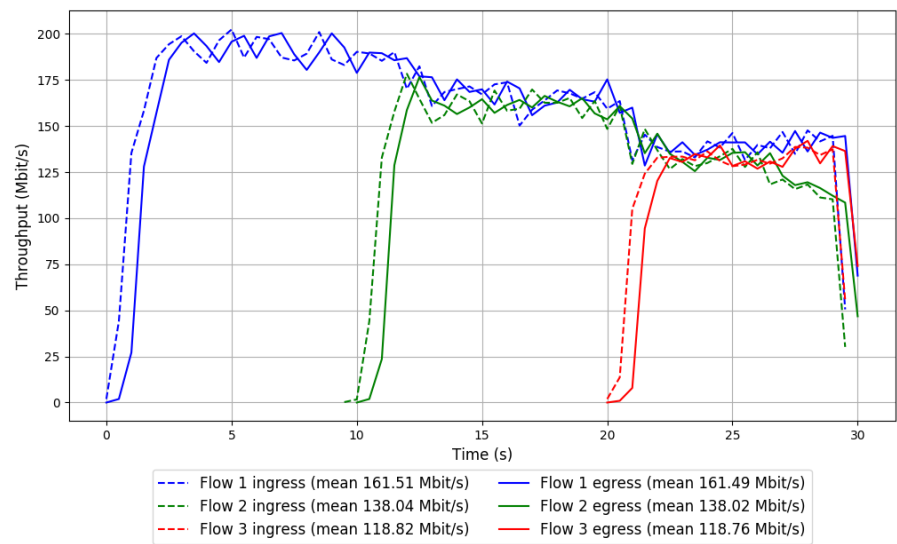
-- Flow 3:

Average throughput: 118.76 Mbit/s

95th percentile per-packet one-way delay: 95.603 ms

Loss rate: 0.02%

Run 10: Report of Indigo — Data Link

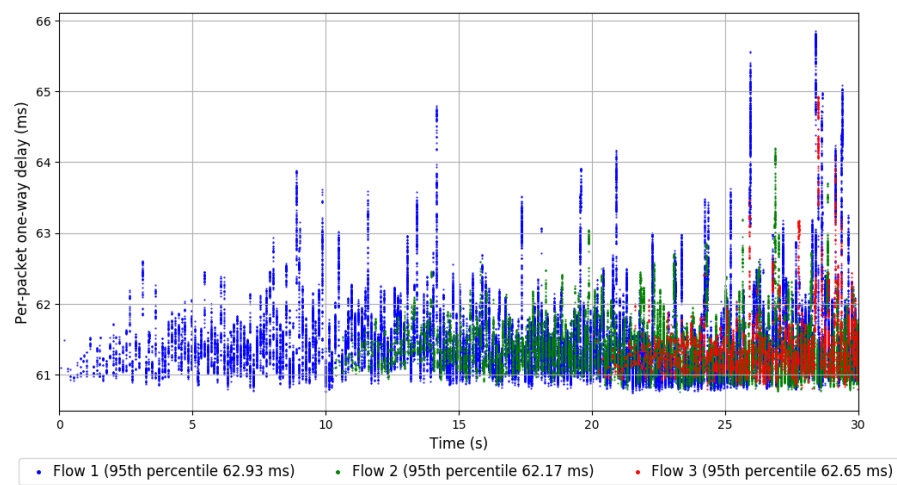
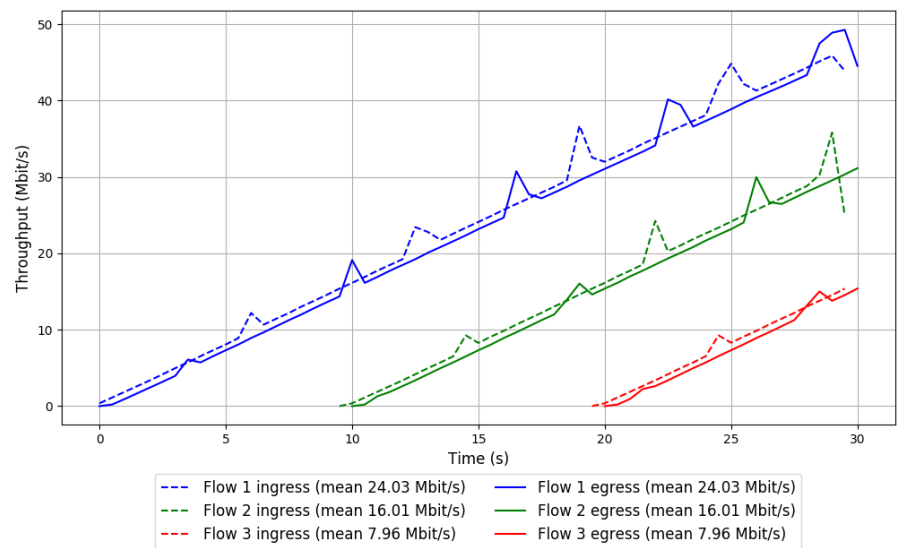


Run 1: Statistics of LEDBAT

Start at: 2018-06-30 16:03:16
End at: 2018-06-30 16:03:46
Local clock offset: -0.426 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-06-30 21:20:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.33 Mbit/s
95th percentile per-packet one-way delay: 62.661 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.03 Mbit/s
95th percentile per-packet one-way delay: 62.932 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.01 Mbit/s
95th percentile per-packet one-way delay: 62.167 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 62.648 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

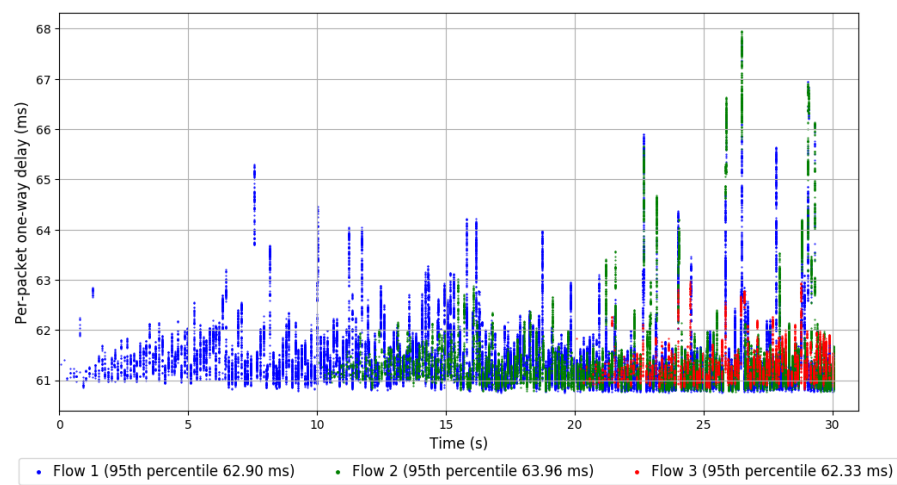
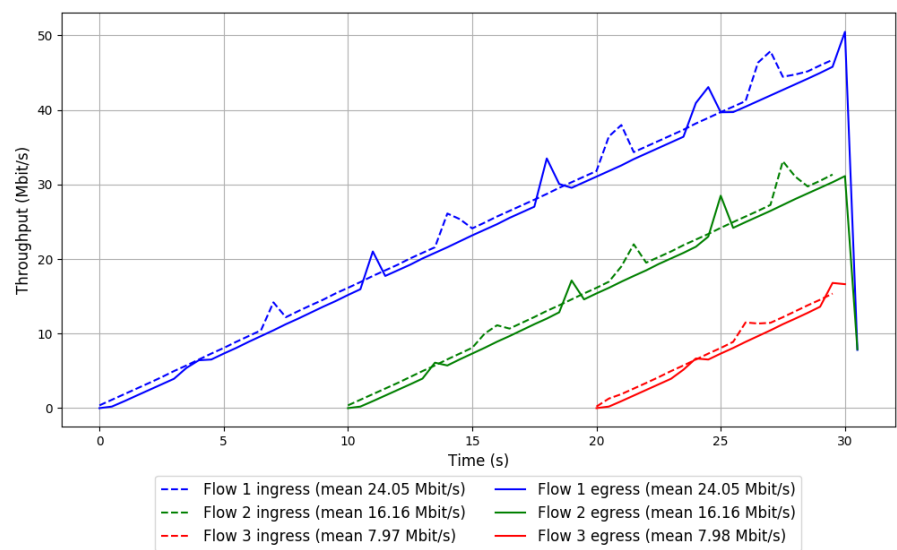


Run 2: Statistics of LEDBAT

Start at: 2018-06-30 16:26:38
End at: 2018-06-30 16:27:08
Local clock offset: 0.13 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-06-30 21:20:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.46 Mbit/s
95th percentile per-packet one-way delay: 63.081 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 62.903 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.16 Mbit/s
95th percentile per-packet one-way delay: 63.958 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.98 Mbit/s
95th percentile per-packet one-way delay: 62.326 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

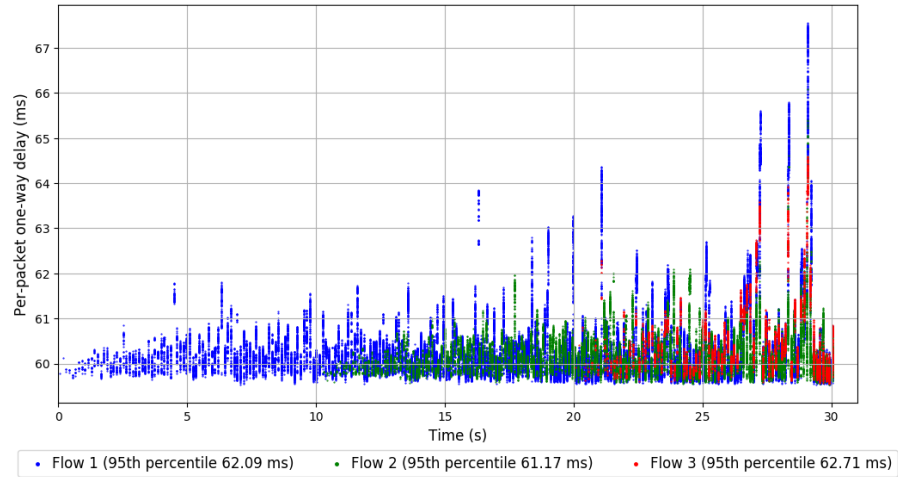
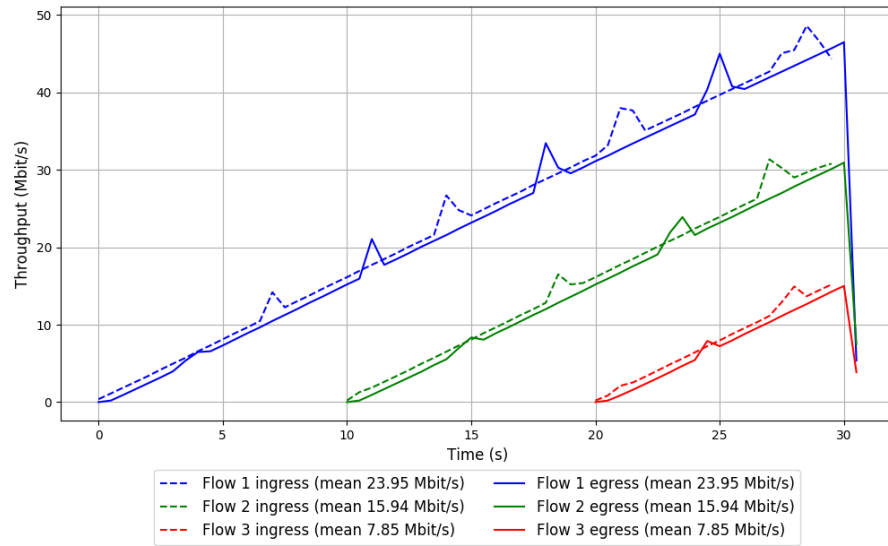


Run 3: Statistics of LEDBAT

Start at: 2018-06-30 16:50:27
End at: 2018-06-30 16:50:57
Local clock offset: -0.085 ms
Remote clock offset: -1.474 ms

Below is generated by plot.py at 2018-06-30 21:20:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.17 Mbit/s
95th percentile per-packet one-way delay: 61.828 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 62.089 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.94 Mbit/s
95th percentile per-packet one-way delay: 61.170 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 62.707 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

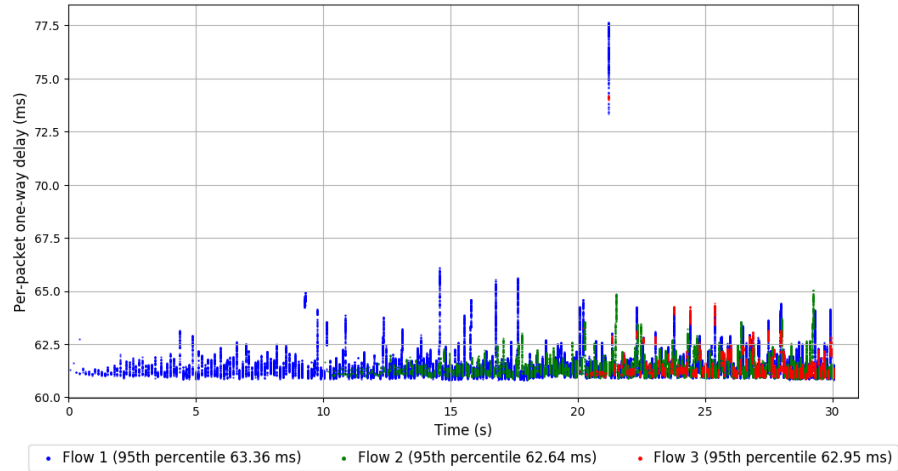
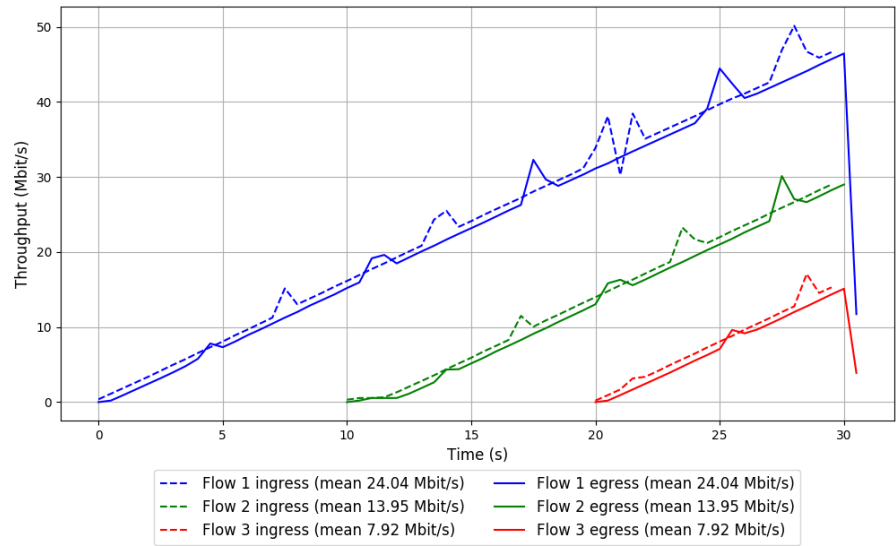


Run 4: Statistics of LEDBAT

Start at: 2018-06-30 17:14:08
End at: 2018-06-30 17:14:38
Local clock offset: -0.069 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-06-30 21:20:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.93 Mbit/s
95th percentile per-packet one-way delay: 63.164 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 63.360 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.95 Mbit/s
95th percentile per-packet one-way delay: 62.636 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 62.948 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

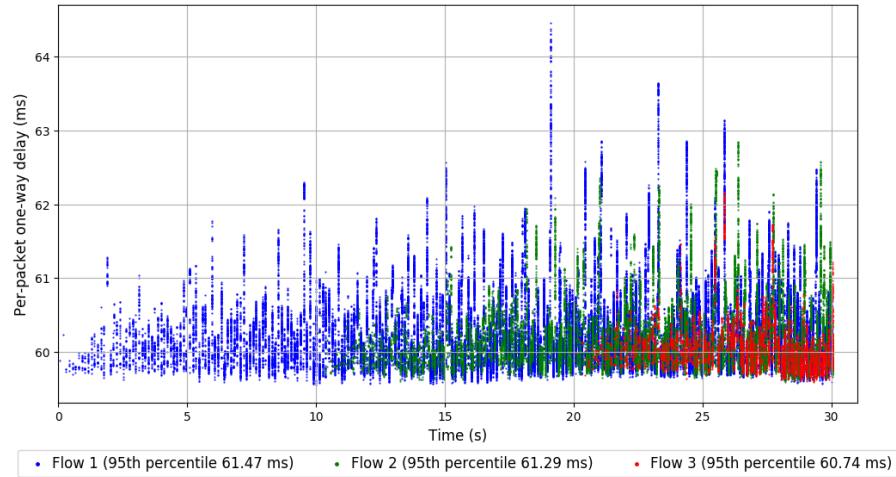
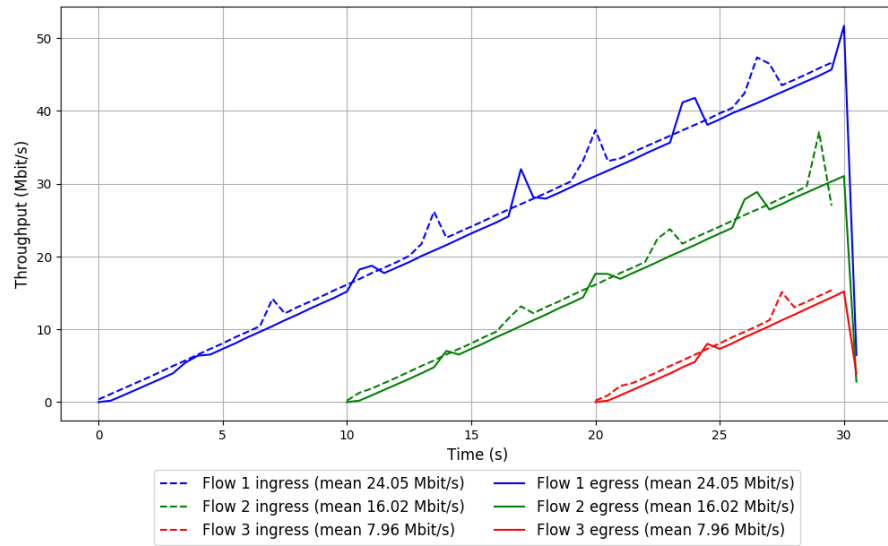


Run 5: Statistics of LEDBAT

Start at: 2018-06-30 17:37:48
End at: 2018-06-30 17:38:18
Local clock offset: 0.081 ms
Remote clock offset: -1.362 ms

Below is generated by plot.py at 2018-06-30 21:20:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.34 Mbit/s
95th percentile per-packet one-way delay: 61.392 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 61.472 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.02 Mbit/s
95th percentile per-packet one-way delay: 61.293 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 60.745 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

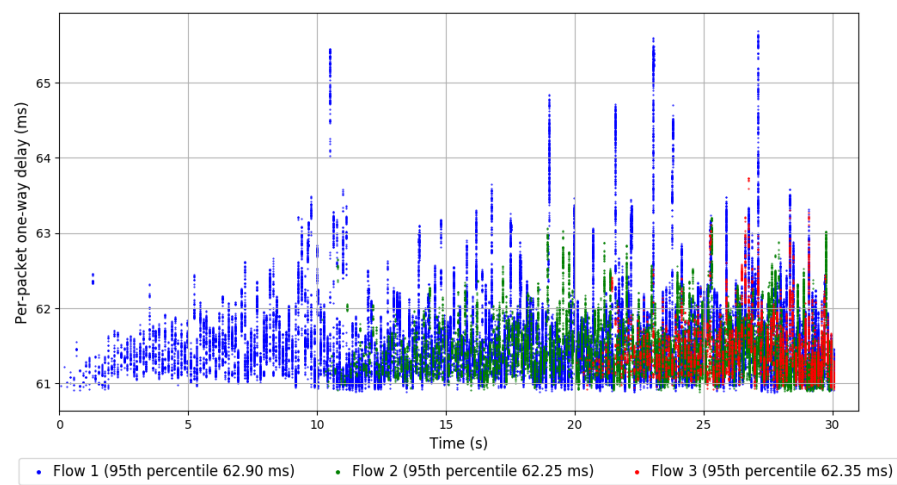
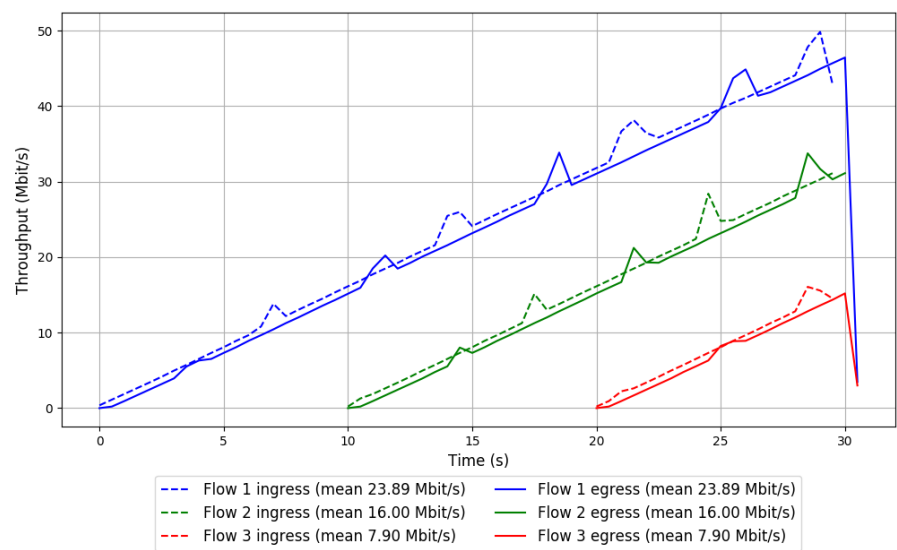


Run 6: Statistics of LEDBAT

Start at: 2018-06-30 18:01:24
End at: 2018-06-30 18:01:54
Local clock offset: 0.202 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-06-30 21:20:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.14 Mbit/s
95th percentile per-packet one-way delay: 62.668 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.89 Mbit/s
95th percentile per-packet one-way delay: 62.897 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.00 Mbit/s
95th percentile per-packet one-way delay: 62.253 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 62.350 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

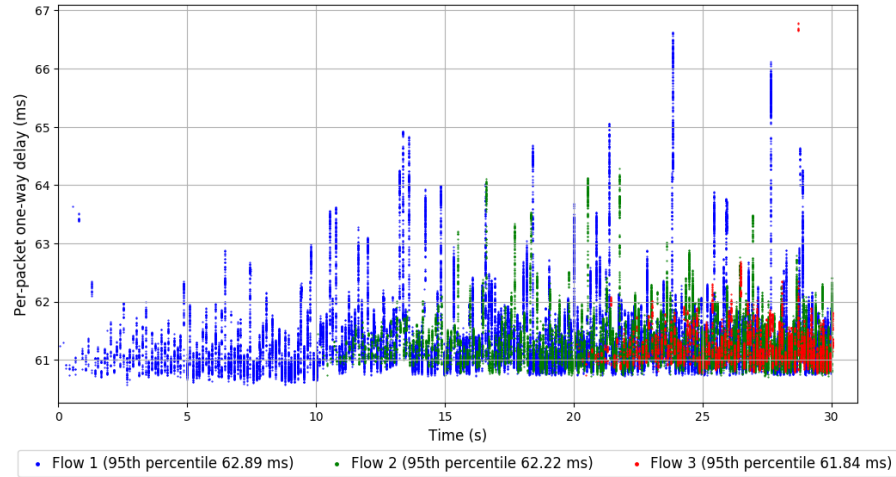
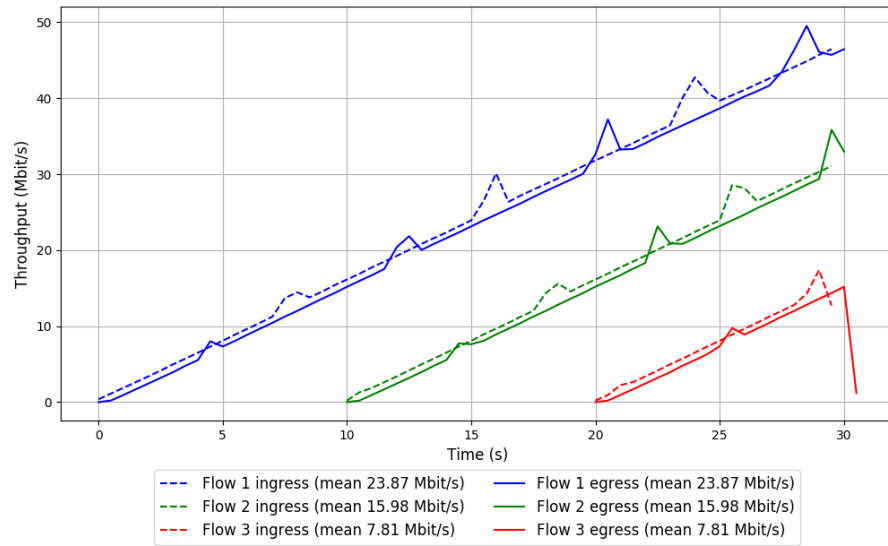


Run 7: Statistics of LEDBAT

Start at: 2018-06-30 18:25:16
End at: 2018-06-30 18:25:46
Local clock offset: 0.158 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-06-30 21:20:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.04 Mbit/s
95th percentile per-packet one-way delay: 62.556 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 62.889 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.98 Mbit/s
95th percentile per-packet one-way delay: 62.215 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 61.840 ms
Loss rate: 0.02%

Run 7: Report of LEDBAT — Data Link

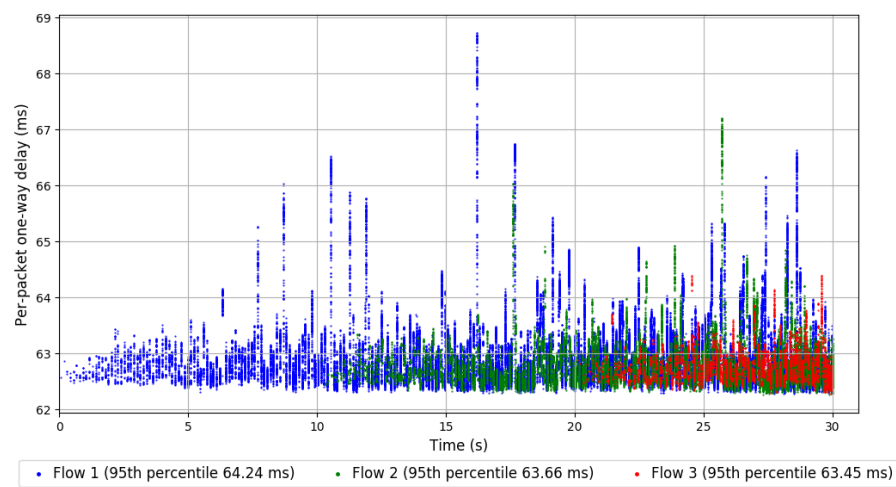
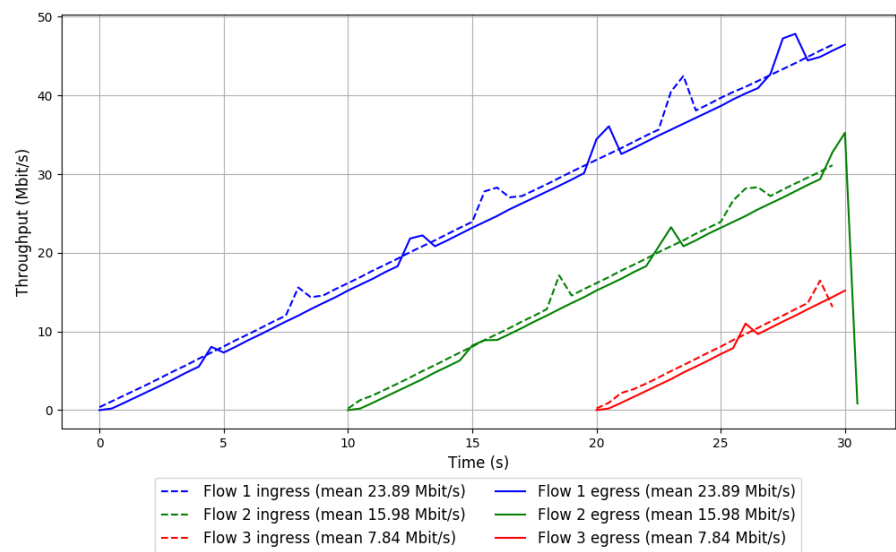


Run 8: Statistics of LEDBAT

Start at: 2018-06-30 18:48:59
End at: 2018-06-30 18:49:29
Local clock offset: -0.084 ms
Remote clock offset: 1.315 ms

```
# Below is generated by plot.py at 2018-06-30 21:20:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 37.09 Mbit/s
95th percentile per-packet one-way delay: 64.055 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.89 Mbit/s
95th percentile per-packet one-way delay: 64.238 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.98 Mbit/s
95th percentile per-packet one-way delay: 63.658 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.84 Mbit/s
95th percentile per-packet one-way delay: 63.449 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

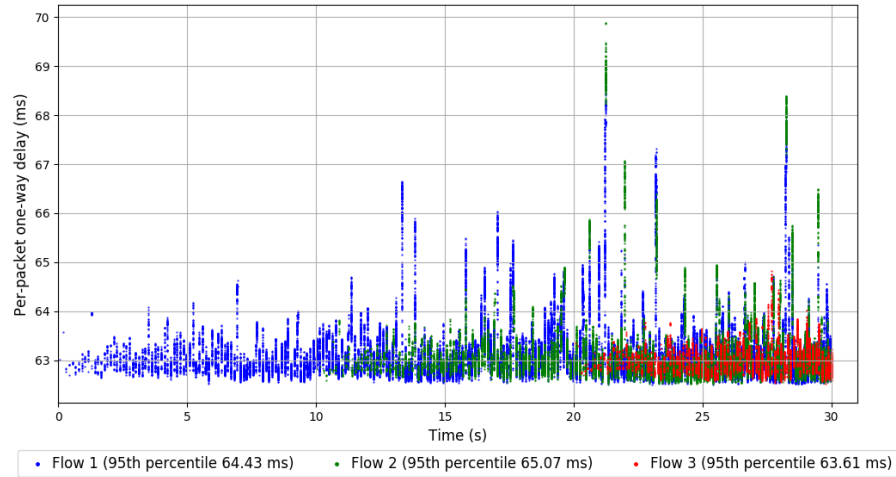
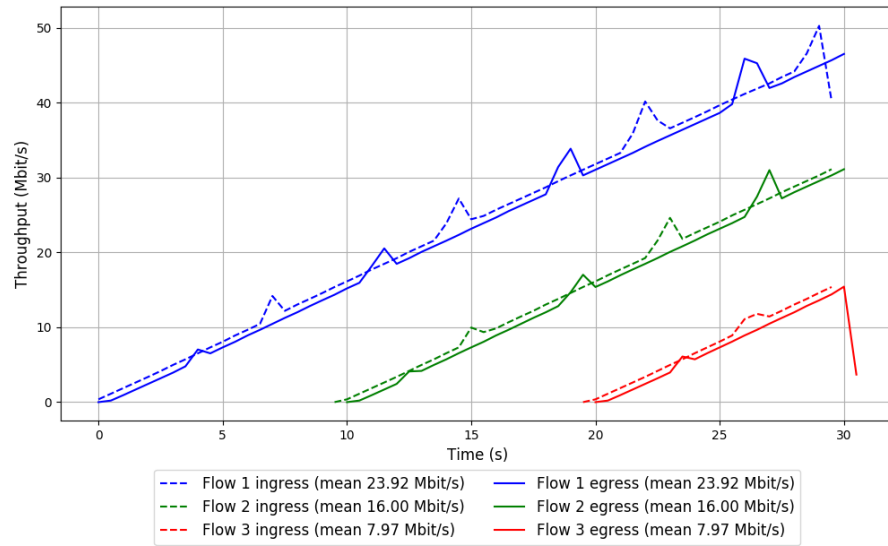


Run 9: Statistics of LEDBAT

Start at: 2018-06-30 19:12:30
End at: 2018-06-30 19:13:00
Local clock offset: -0.031 ms
Remote clock offset: 1.536 ms

Below is generated by plot.py at 2018-06-30 21:20:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.16 Mbit/s
95th percentile per-packet one-way delay: 64.495 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.92 Mbit/s
95th percentile per-packet one-way delay: 64.429 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.00 Mbit/s
95th percentile per-packet one-way delay: 65.068 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 63.611 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

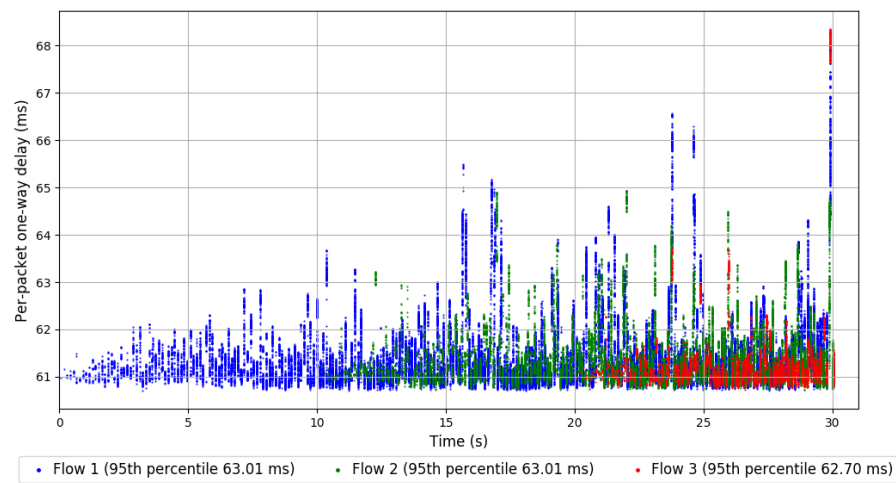
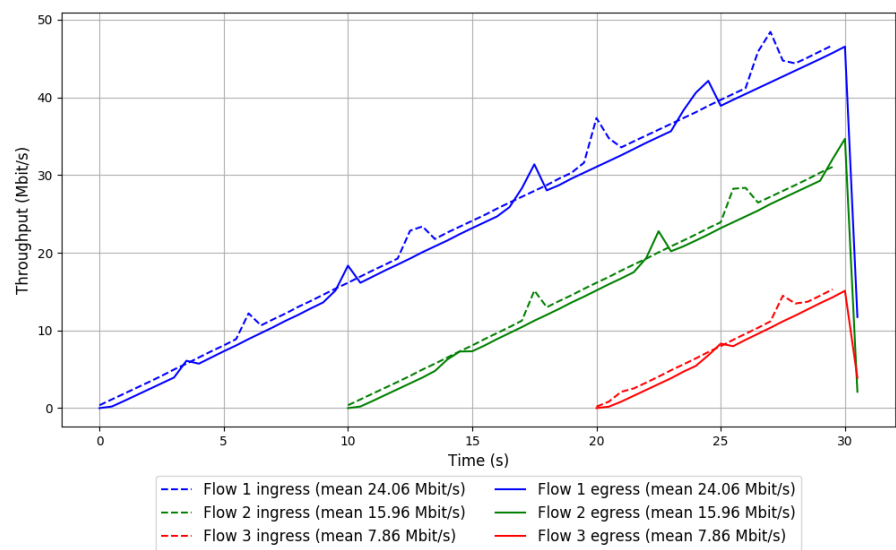


Run 10: Statistics of LEDBAT

Start at: 2018-06-30 19:36:48
End at: 2018-06-30 19:37:18
Local clock offset: 0.038 ms
Remote clock offset: -0.256 ms

Below is generated by plot.py at 2018-06-30 21:20:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.28 Mbit/s
95th percentile per-packet one-way delay: 62.997 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.06 Mbit/s
95th percentile per-packet one-way delay: 63.005 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.96 Mbit/s
95th percentile per-packet one-way delay: 63.014 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 62.705 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

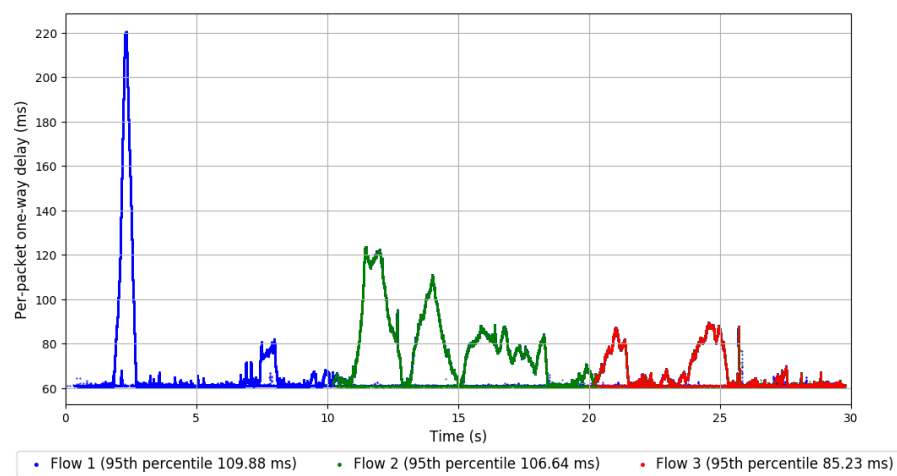
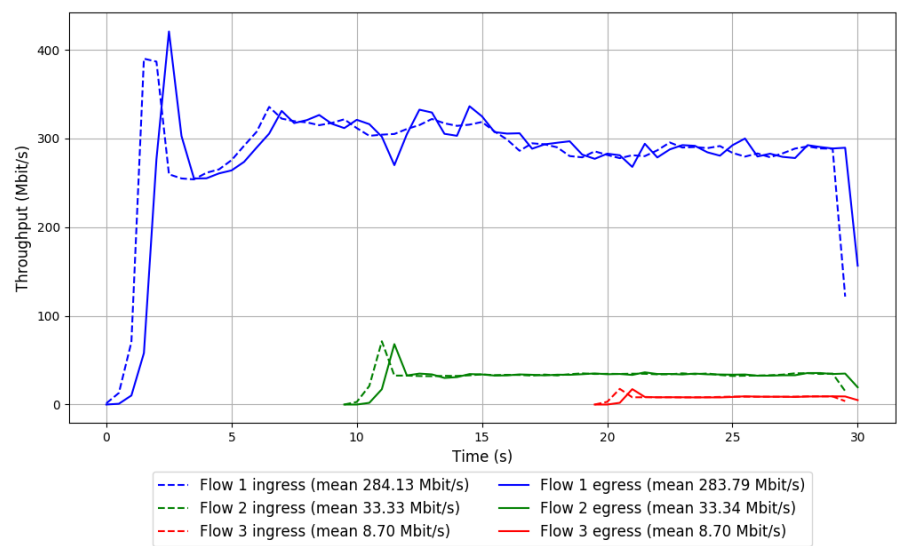


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-30 16:13:04
End at: 2018-06-30 16:13:34
Local clock offset: -0.02 ms
Remote clock offset: -0.107 ms

# Below is generated by plot.py at 2018-06-30 21:20:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 308.93 Mbit/s
95th percentile per-packet one-way delay: 109.297 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 283.79 Mbit/s
95th percentile per-packet one-way delay: 109.880 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 33.34 Mbit/s
95th percentile per-packet one-way delay: 106.644 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.70 Mbit/s
95th percentile per-packet one-way delay: 85.229 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Allegro — Data Link

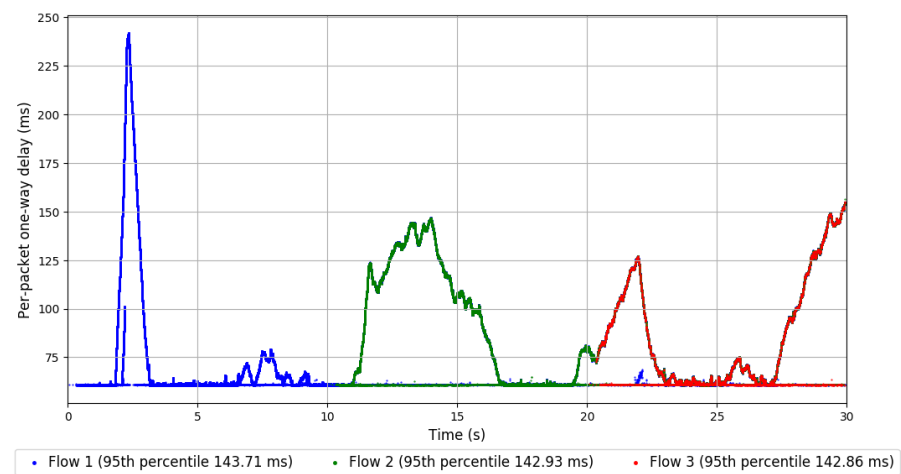
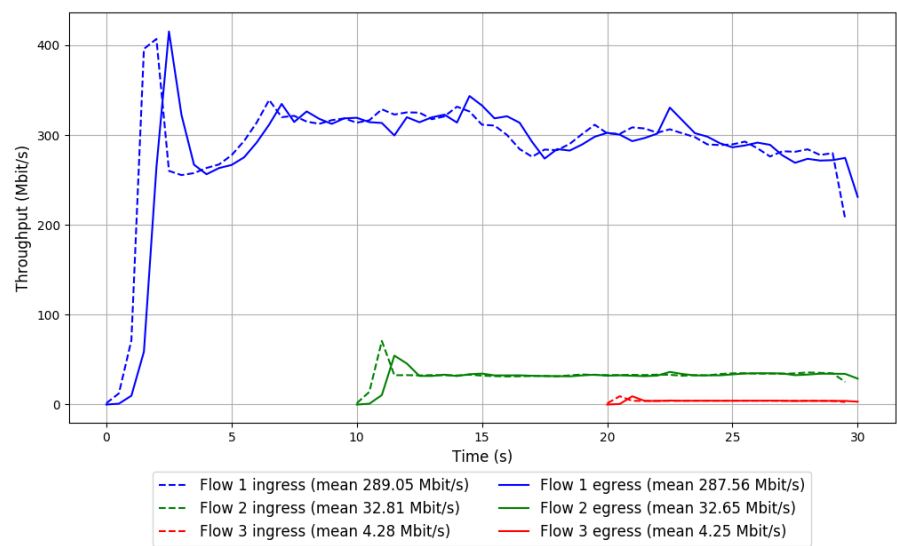


Run 2: Statistics of PCC-Allegro

Start at: 2018-06-30 16:36:41
End at: 2018-06-30 16:37:11
Local clock offset: 0.299 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-06-30 21:20:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 310.63 Mbit/s
95th percentile per-packet one-way delay: 143.632 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 287.56 Mbit/s
95th percentile per-packet one-way delay: 143.705 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 32.65 Mbit/s
95th percentile per-packet one-way delay: 142.933 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 142.859 ms
Loss rate: 0.83%

Run 2: Report of PCC-Allegro — Data Link

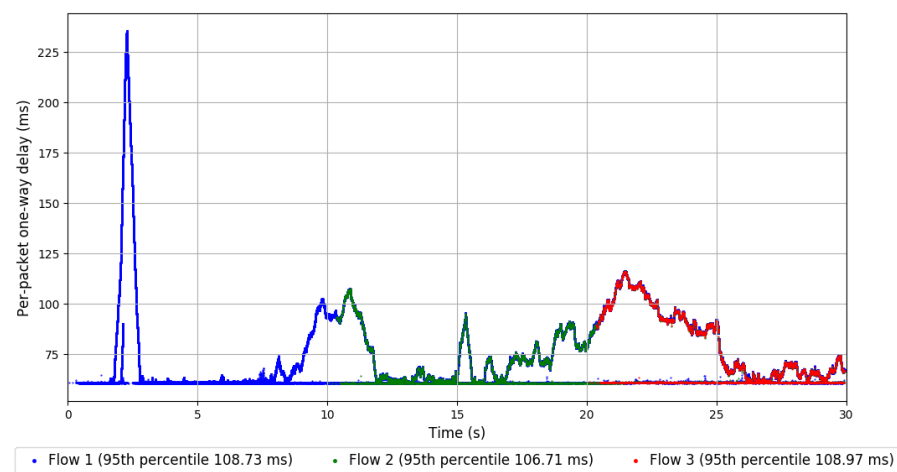
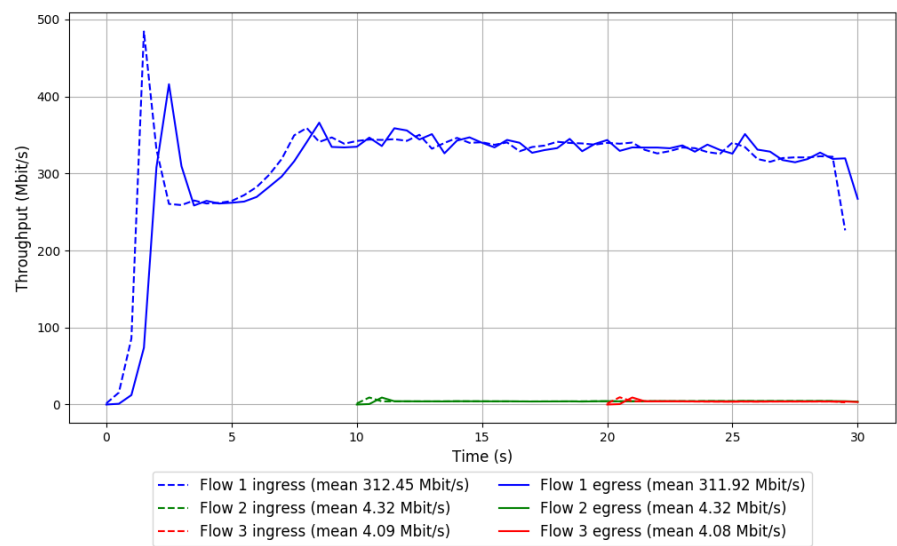


Run 3: Statistics of PCC-Allegro

Start at: 2018-06-30 17:00:35
End at: 2018-06-30 17:01:05
Local clock offset: -0.084 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-06-30 21:20:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 316.13 Mbit/s
95th percentile per-packet one-way delay: 108.713 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 311.92 Mbit/s
95th percentile per-packet one-way delay: 108.727 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 106.714 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 4.08 Mbit/s
95th percentile per-packet one-way delay: 108.968 ms
Loss rate: 0.03%

Run 3: Report of PCC-Allegro — Data Link

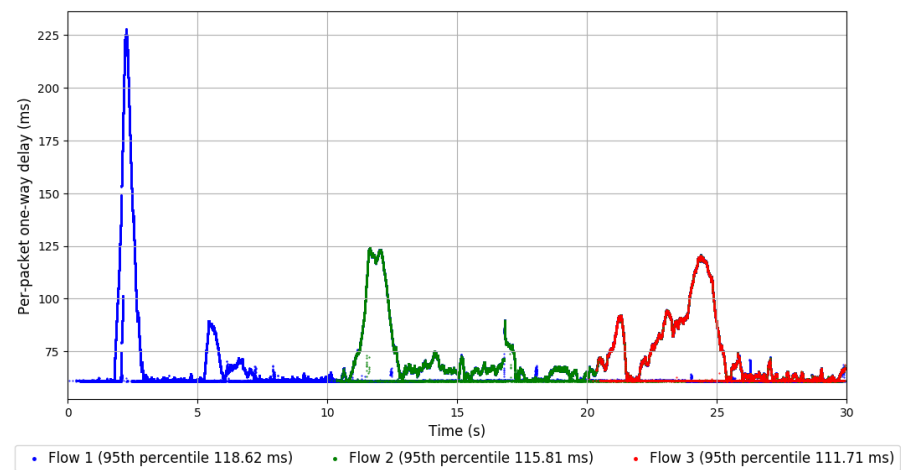
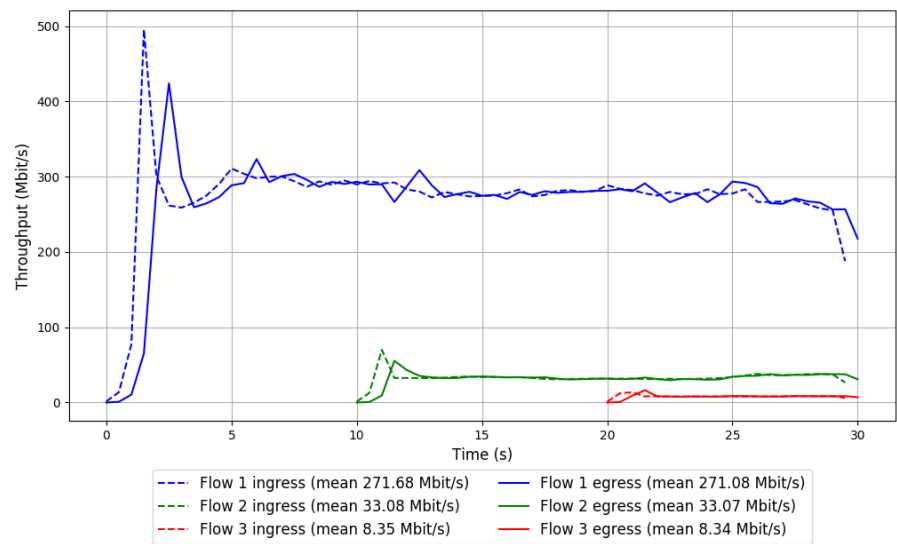


Run 4: Statistics of PCC-Allegro

Start at: 2018-06-30 17:24:13
End at: 2018-06-30 17:24:43
Local clock offset: 0.007 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-06-30 21:20:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 295.78 Mbit/s
95th percentile per-packet one-way delay: 118.375 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 271.08 Mbit/s
95th percentile per-packet one-way delay: 118.625 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 33.07 Mbit/s
95th percentile per-packet one-way delay: 115.806 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 8.34 Mbit/s
95th percentile per-packet one-way delay: 111.710 ms
Loss rate: 0.04%

Run 4: Report of PCC-Allegro — Data Link

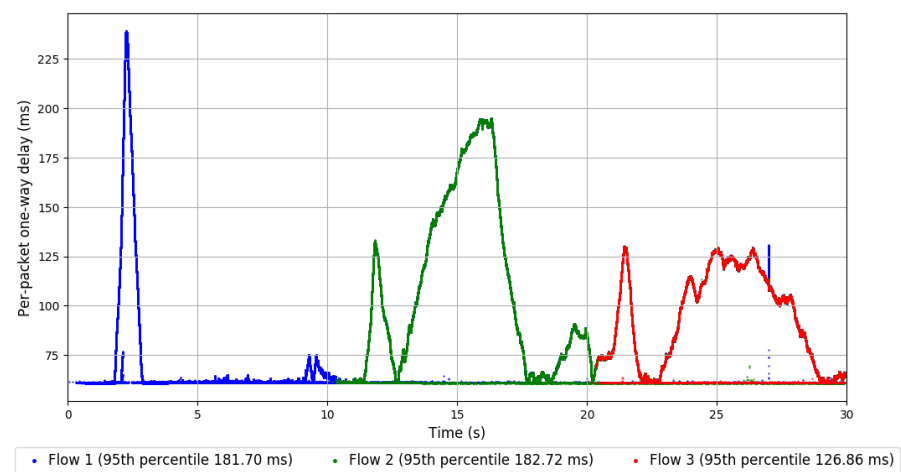
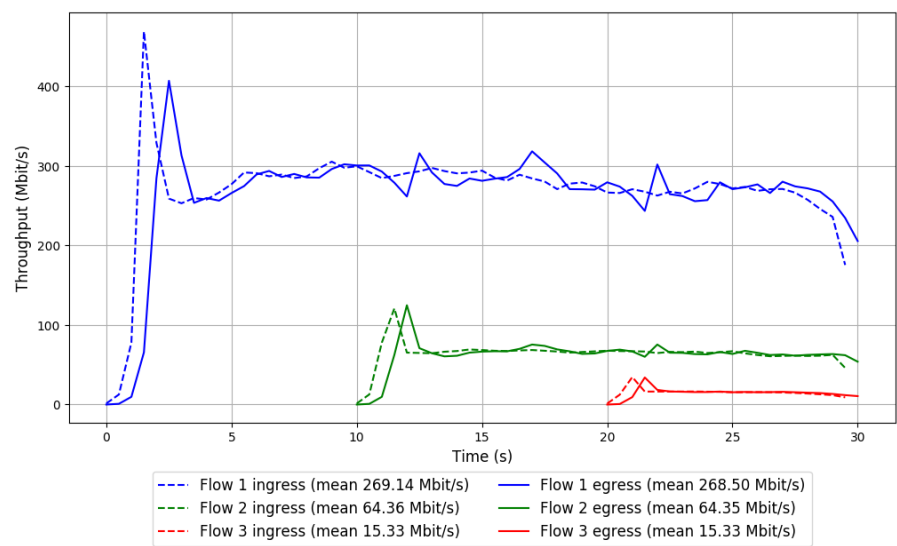


Run 5: Statistics of PCC-Allegro

Start at: 2018-06-30 17:47:42
End at: 2018-06-30 17:48:12
Local clock offset: 0.172 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-06-30 21:20:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 316.32 Mbit/s
95th percentile per-packet one-way delay: 181.572 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 268.50 Mbit/s
95th percentile per-packet one-way delay: 181.700 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 64.35 Mbit/s
95th percentile per-packet one-way delay: 182.718 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 15.33 Mbit/s
95th percentile per-packet one-way delay: 126.855 ms
Loss rate: 0.02%

Run 5: Report of PCC-Allegro — Data Link

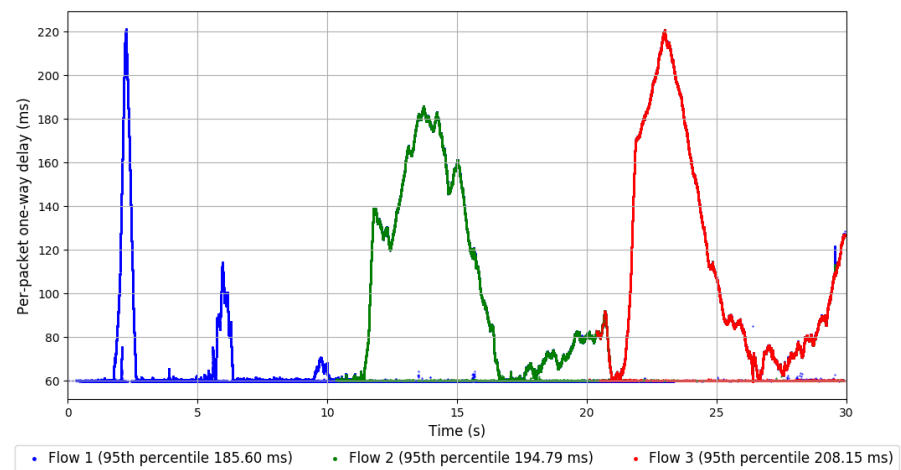
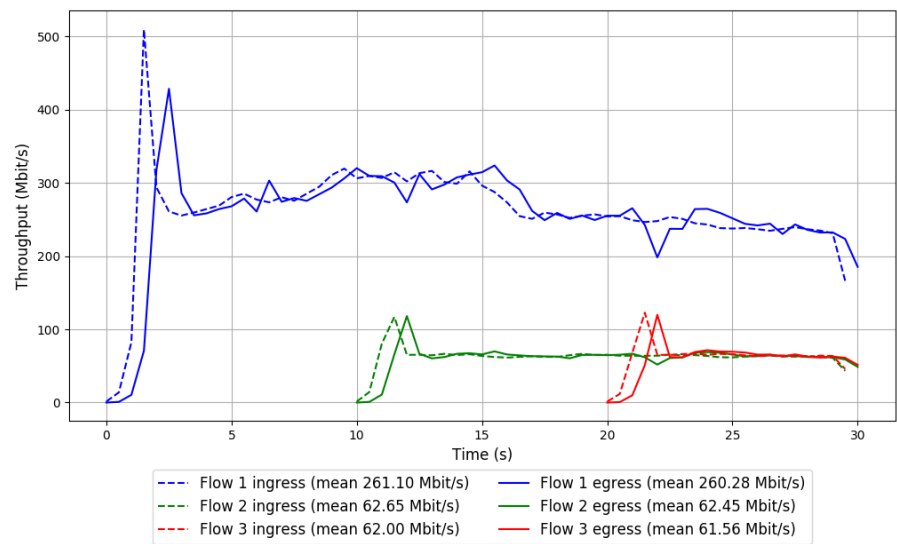


Run 6: Statistics of PCC-Allegro

Start at: 2018-06-30 18:11:33
End at: 2018-06-30 18:12:03
Local clock offset: 0.282 ms
Remote clock offset: -1.202 ms

Below is generated by plot.py at 2018-06-30 21:20:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 322.08 Mbit/s
95th percentile per-packet one-way delay: 191.089 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 260.28 Mbit/s
95th percentile per-packet one-way delay: 185.600 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 62.45 Mbit/s
95th percentile per-packet one-way delay: 194.789 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 61.56 Mbit/s
95th percentile per-packet one-way delay: 208.150 ms
Loss rate: 0.67%

Run 6: Report of PCC-Allegro — Data Link

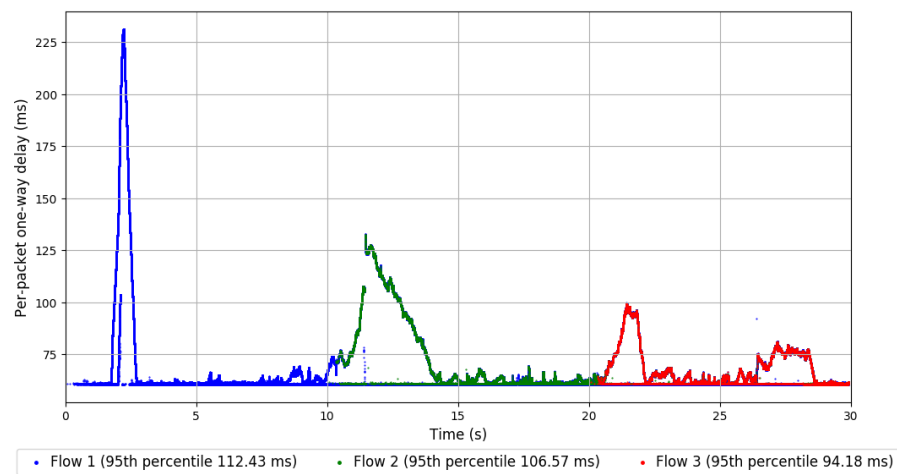
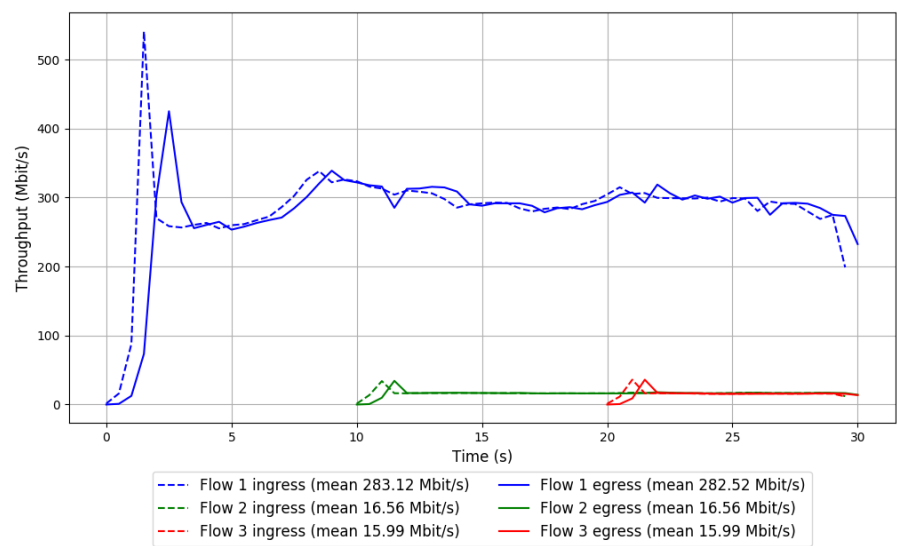


Run 7: Statistics of PCC-Allegro

Start at: 2018-06-30 18:35:18
End at: 2018-06-30 18:35:48
Local clock offset: 0.028 ms
Remote clock offset: -0.247 ms

```
# Below is generated by plot.py at 2018-06-30 21:20:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 298.80 Mbit/s
95th percentile per-packet one-way delay: 111.721 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 282.52 Mbit/s
95th percentile per-packet one-way delay: 112.431 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 16.56 Mbit/s
95th percentile per-packet one-way delay: 106.571 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.99 Mbit/s
95th percentile per-packet one-way delay: 94.183 ms
Loss rate: 0.00%
```


Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-30 18:58:48

End at: 2018-06-30 18:59:18

Local clock offset: -0.059 ms

Remote clock offset: 0.41 ms

Below is generated by plot.py at 2018-06-30 21:20:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 318.57 Mbit/s

95th percentile per-packet one-way delay: 125.557 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 274.52 Mbit/s

95th percentile per-packet one-way delay: 126.193 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 62.10 Mbit/s

95th percentile per-packet one-way delay: 125.120 ms

Loss rate: 0.00%

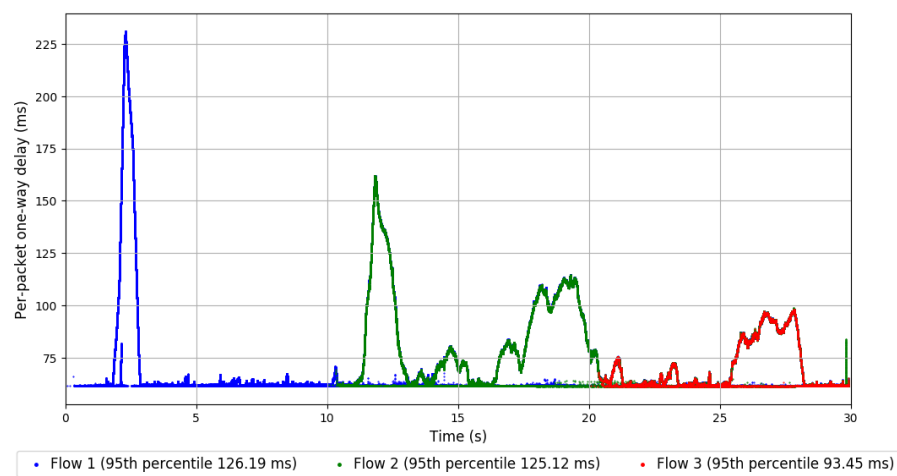
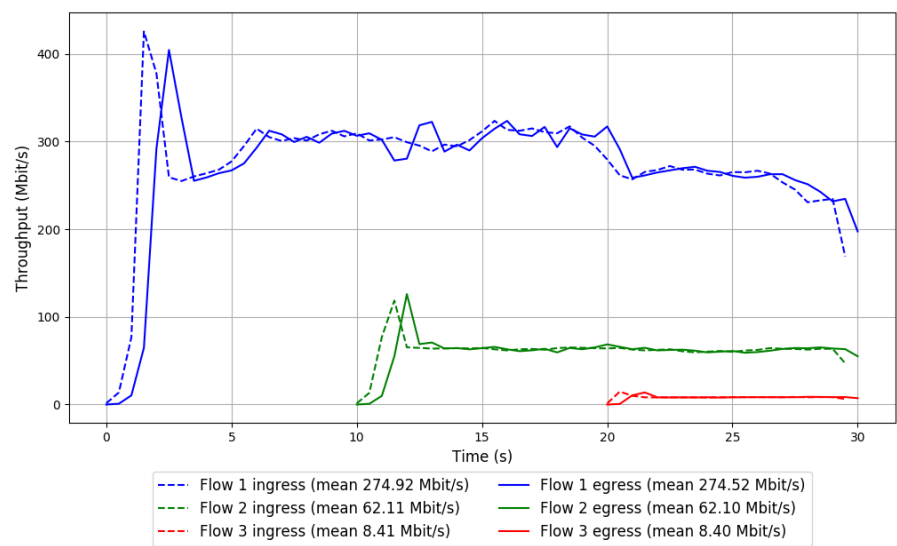
-- Flow 3:

Average throughput: 8.40 Mbit/s

95th percentile per-packet one-way delay: 93.447 ms

Loss rate: 0.06%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-30 19:22:43

End at: 2018-06-30 19:23:13

Local clock offset: 0.015 ms

Remote clock offset: -0.29 ms

Below is generated by plot.py at 2018-06-30 21:20:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 312.78 Mbit/s

95th percentile per-packet one-way delay: 115.362 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 269.26 Mbit/s

95th percentile per-packet one-way delay: 115.639 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 63.35 Mbit/s

95th percentile per-packet one-way delay: 114.583 ms

Loss rate: 0.00%

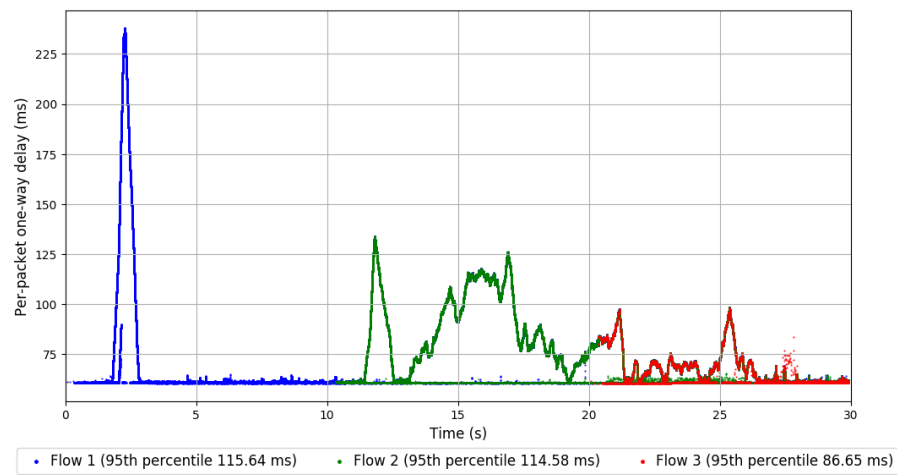
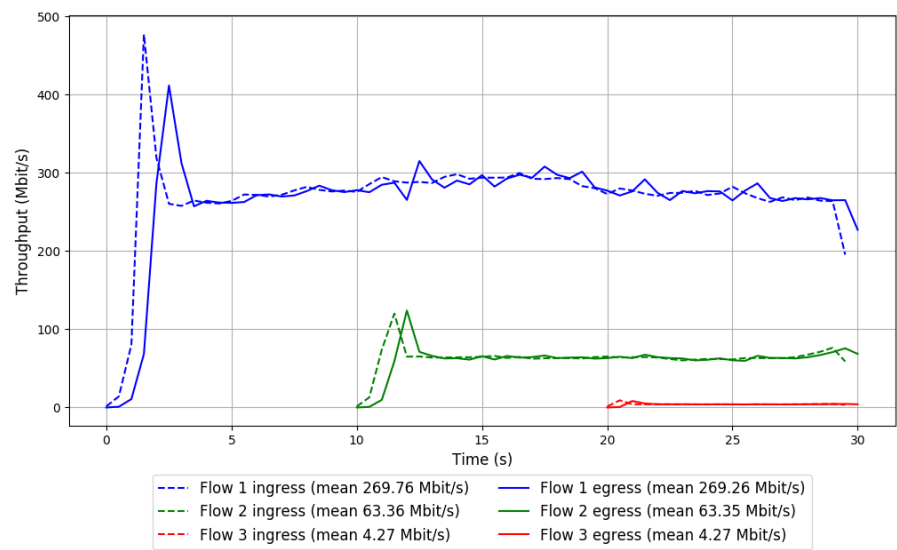
-- Flow 3:

Average throughput: 4.27 Mbit/s

95th percentile per-packet one-way delay: 86.652 ms

Loss rate: 0.00%

Run 9: Report of PCC-Allegro — Data Link

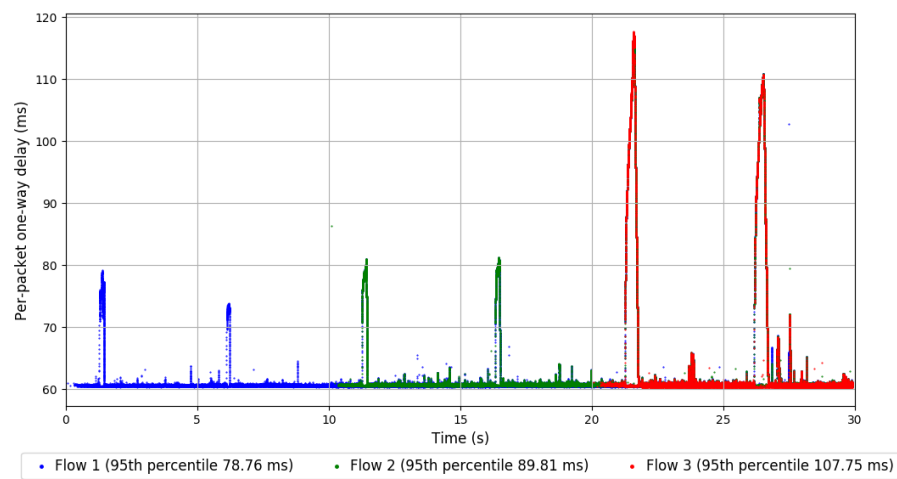
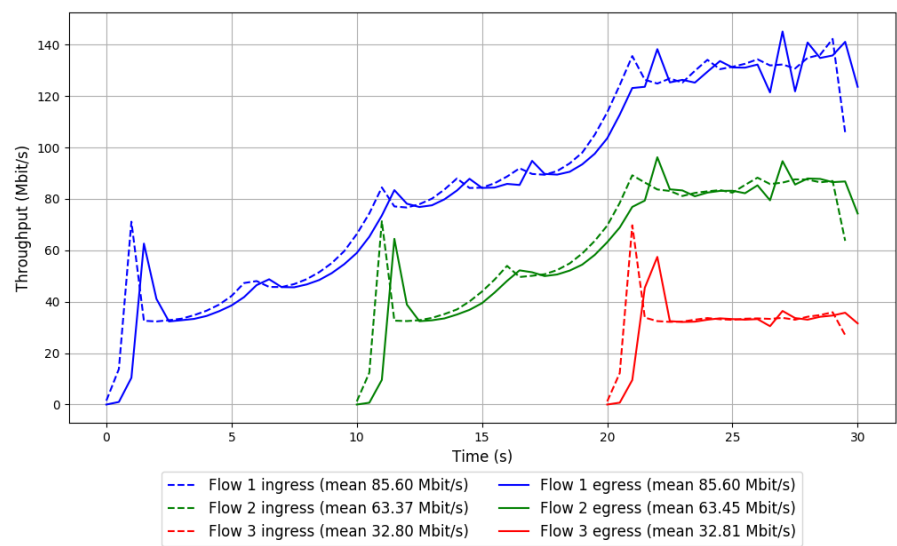


Run 10: Statistics of PCC-Allegro

Start at: 2018-06-30 19:47:44
End at: 2018-06-30 19:48:14
Local clock offset: 0.066 ms
Remote clock offset: -0.417 ms

Below is generated by plot.py at 2018-06-30 21:20:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 138.54 Mbit/s
95th percentile per-packet one-way delay: 87.061 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.60 Mbit/s
95th percentile per-packet one-way delay: 78.760 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.45 Mbit/s
95th percentile per-packet one-way delay: 89.813 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.81 Mbit/s
95th percentile per-packet one-way delay: 107.755 ms
Loss rate: 0.00%

Run 10: Report of PCC-Allegro — Data Link

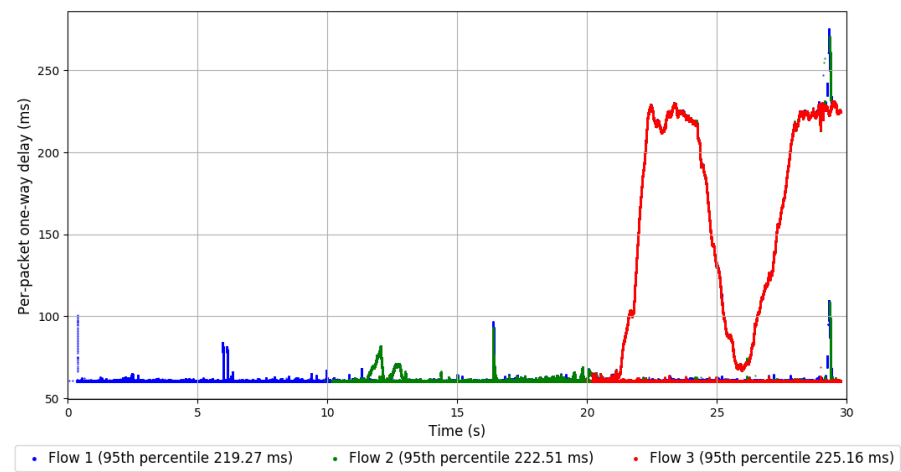
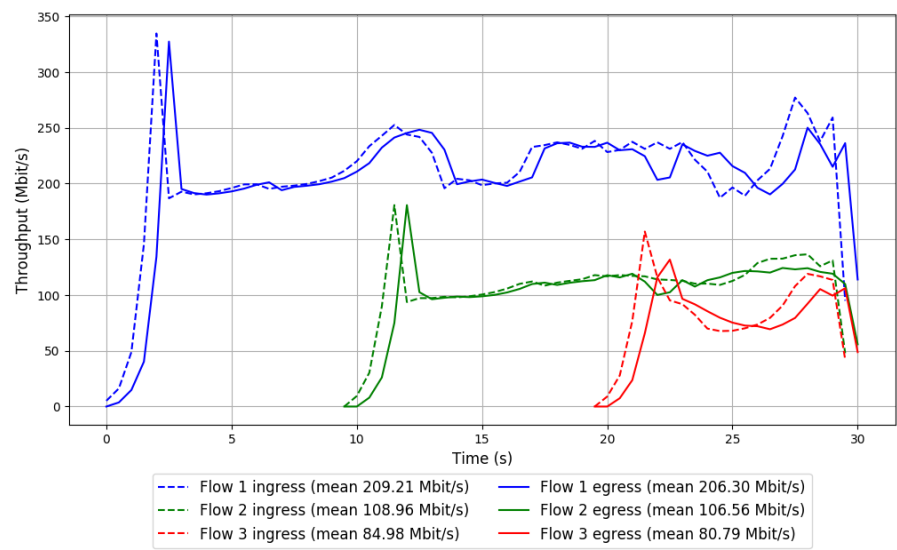


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-30 15:59:23
End at: 2018-06-30 15:59:53
Local clock offset: -0.441 ms
Remote clock offset: -0.341 ms

# Below is generated by plot.py at 2018-06-30 21:23:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 304.43 Mbit/s
95th percentile per-packet one-way delay: 222.154 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 206.30 Mbit/s
95th percentile per-packet one-way delay: 219.272 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 106.56 Mbit/s
95th percentile per-packet one-way delay: 222.506 ms
Loss rate: 2.20%
-- Flow 3:
Average throughput: 80.79 Mbit/s
95th percentile per-packet one-way delay: 225.165 ms
Loss rate: 4.93%
```


Run 1: Report of PCC-Expr — Data Link

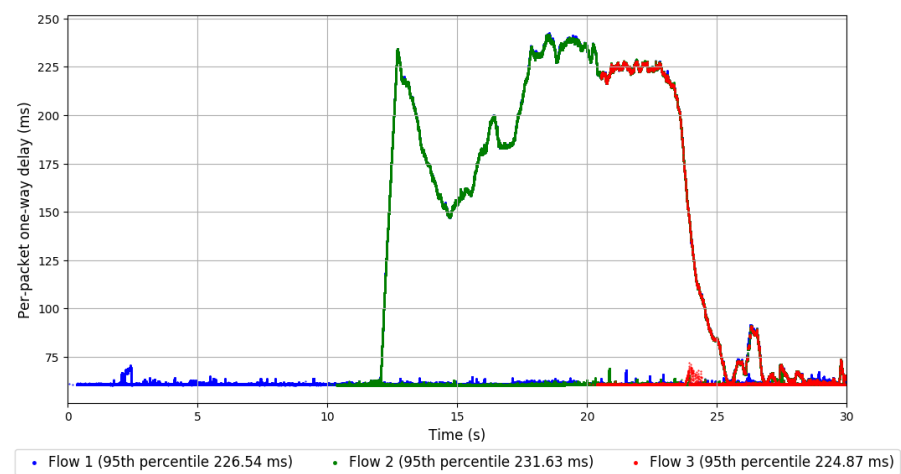
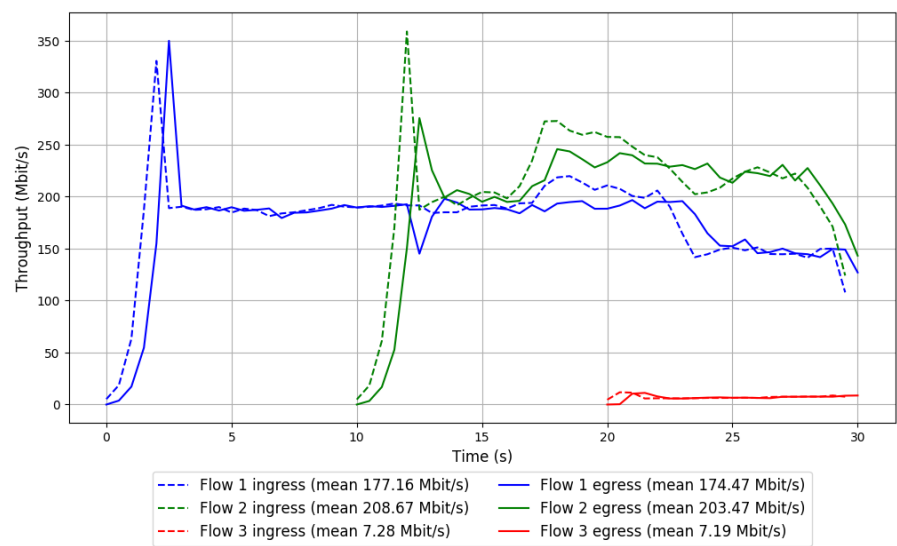


Run 2: Statistics of PCC-Expr

Start at: 2018-06-30 16:22:47
End at: 2018-06-30 16:23:17
Local clock offset: 0.105 ms
Remote clock offset: -0.325 ms

Below is generated by plot.py at 2018-06-30 21:24:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 312.14 Mbit/s
95th percentile per-packet one-way delay: 229.541 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 174.47 Mbit/s
95th percentile per-packet one-way delay: 226.539 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 203.47 Mbit/s
95th percentile per-packet one-way delay: 231.633 ms
Loss rate: 2.49%
-- Flow 3:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 224.867 ms
Loss rate: 1.23%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-06-30 16:46:35

End at: 2018-06-30 16:47:05

Local clock offset: -0.022 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-06-30 21:24:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 295.54 Mbit/s

95th percentile per-packet one-way delay: 85.469 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 206.19 Mbit/s

95th percentile per-packet one-way delay: 82.853 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 112.81 Mbit/s

95th percentile per-packet one-way delay: 89.233 ms

Loss rate: 0.13%

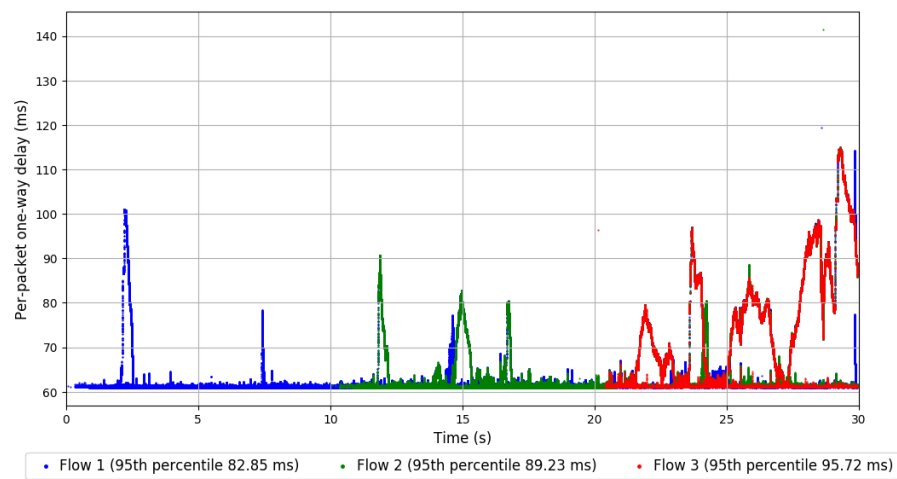
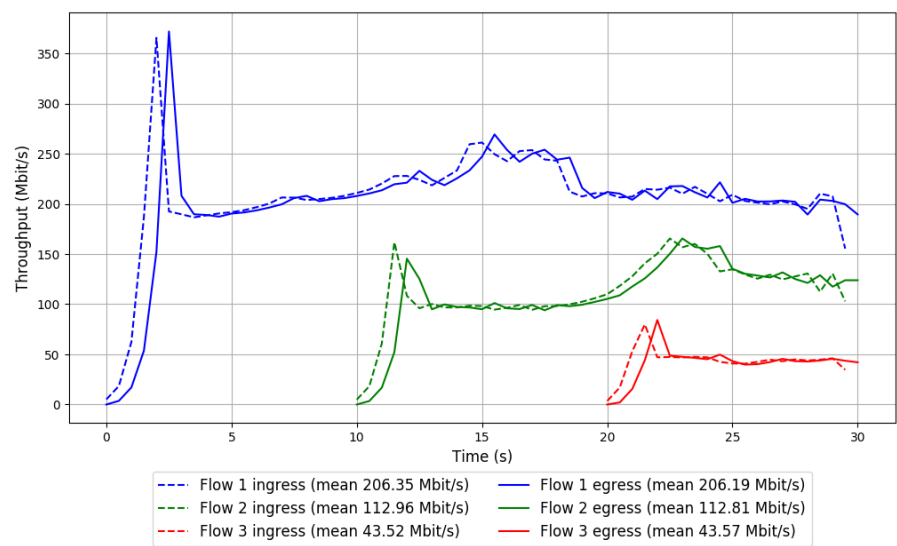
-- Flow 3:

Average throughput: 43.57 Mbit/s

95th percentile per-packet one-way delay: 95.717 ms

Loss rate: 0.25%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-06-30 17:10:17

End at: 2018-06-30 17:10:48

Local clock offset: -0.127 ms

Remote clock offset: 1.059 ms

Below is generated by plot.py at 2018-06-30 21:25:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 270.09 Mbit/s

95th percentile per-packet one-way delay: 74.785 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 181.40 Mbit/s

95th percentile per-packet one-way delay: 72.814 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 109.11 Mbit/s

95th percentile per-packet one-way delay: 80.211 ms

Loss rate: 0.00%

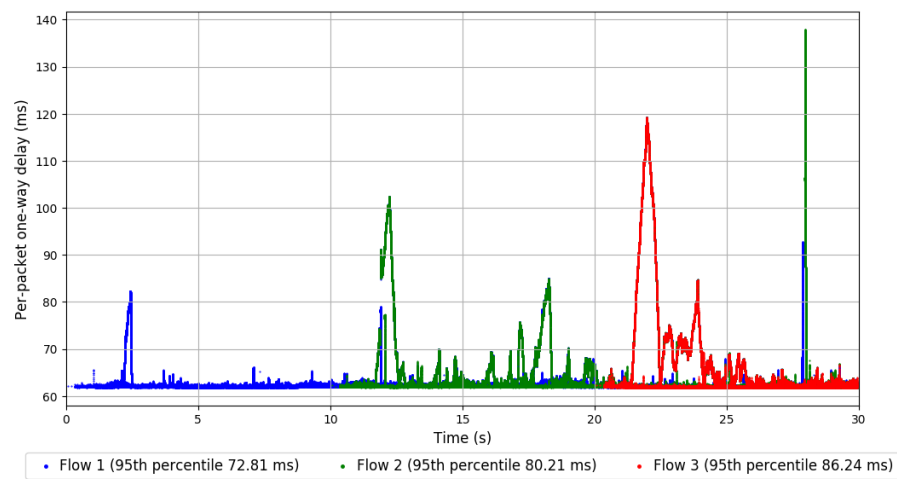
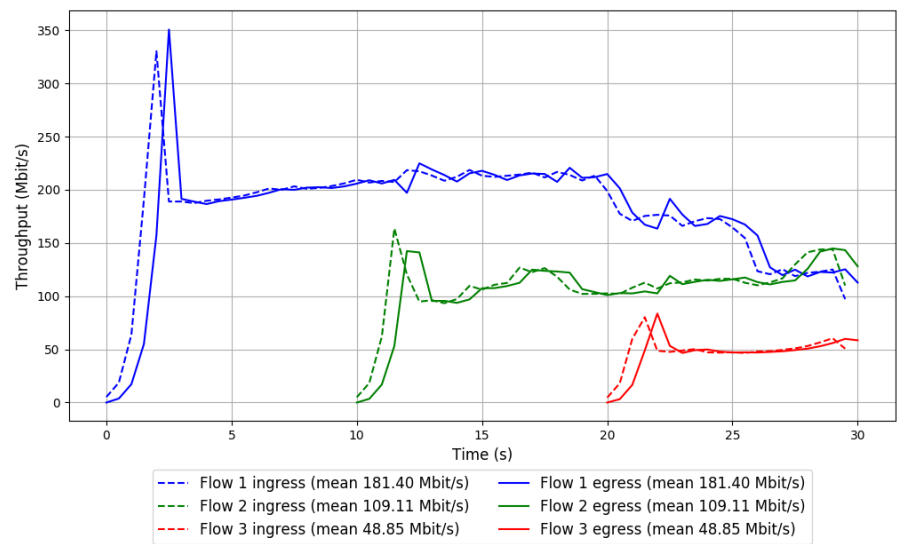
-- Flow 3:

Average throughput: 48.85 Mbit/s

95th percentile per-packet one-way delay: 86.243 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

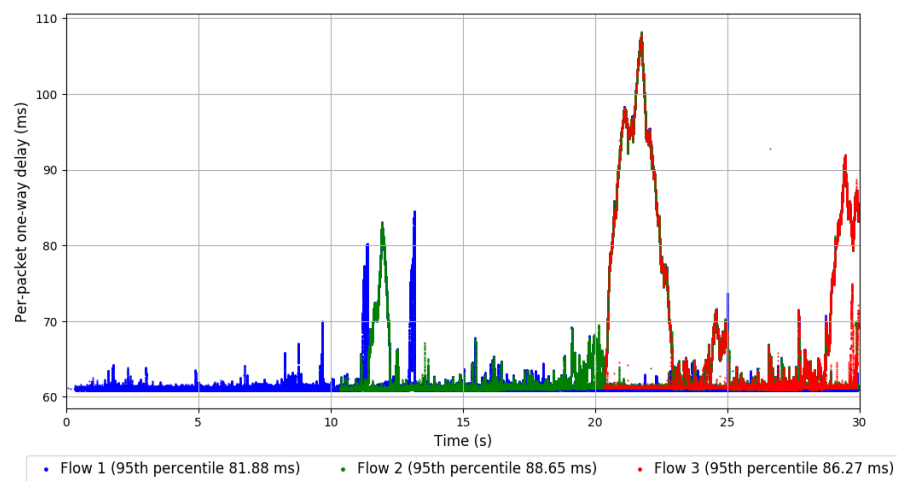
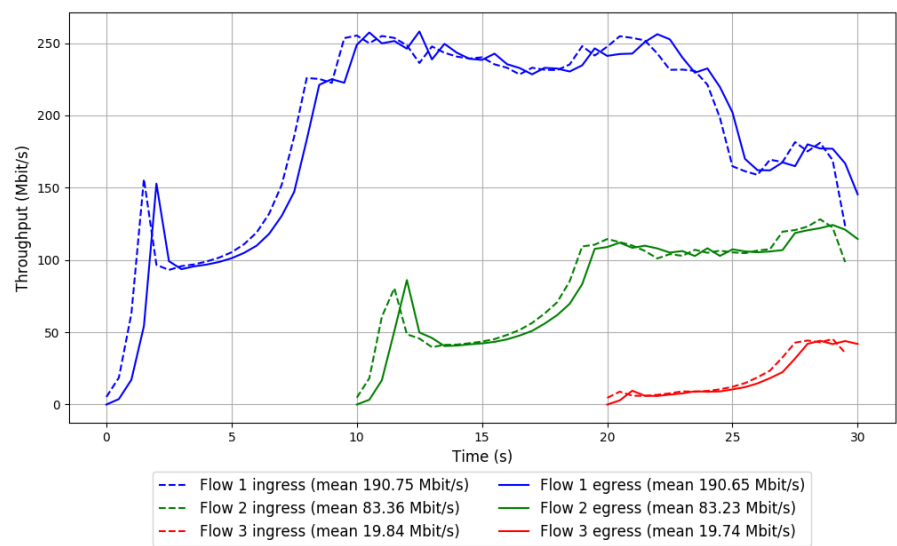


Run 5: Statistics of PCC-Expr

Start at: 2018-06-30 17:34:00
End at: 2018-06-30 17:34:30
Local clock offset: 0.084 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-06-30 21:25:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 252.51 Mbit/s
95th percentile per-packet one-way delay: 83.942 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 190.65 Mbit/s
95th percentile per-packet one-way delay: 81.883 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 83.23 Mbit/s
95th percentile per-packet one-way delay: 88.649 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 19.74 Mbit/s
95th percentile per-packet one-way delay: 86.272 ms
Loss rate: 0.48%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-30 17:57:30

End at: 2018-06-30 17:58:00

Local clock offset: 0.248 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-06-30 21:29:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 335.55 Mbit/s

95th percentile per-packet one-way delay: 273.840 ms

Loss rate: 3.29%

-- Flow 1:

Average throughput: 300.92 Mbit/s

95th percentile per-packet one-way delay: 280.735 ms

Loss rate: 3.51%

-- Flow 2:

Average throughput: 39.15 Mbit/s

95th percentile per-packet one-way delay: 130.190 ms

Loss rate: 1.17%

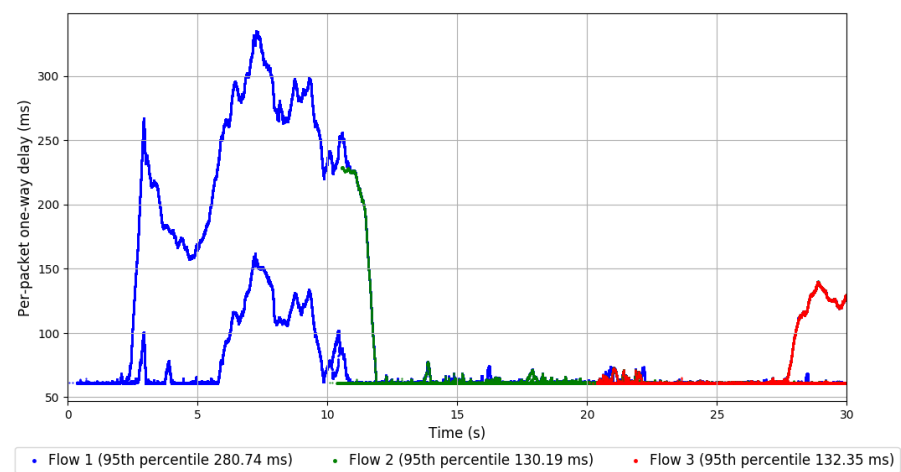
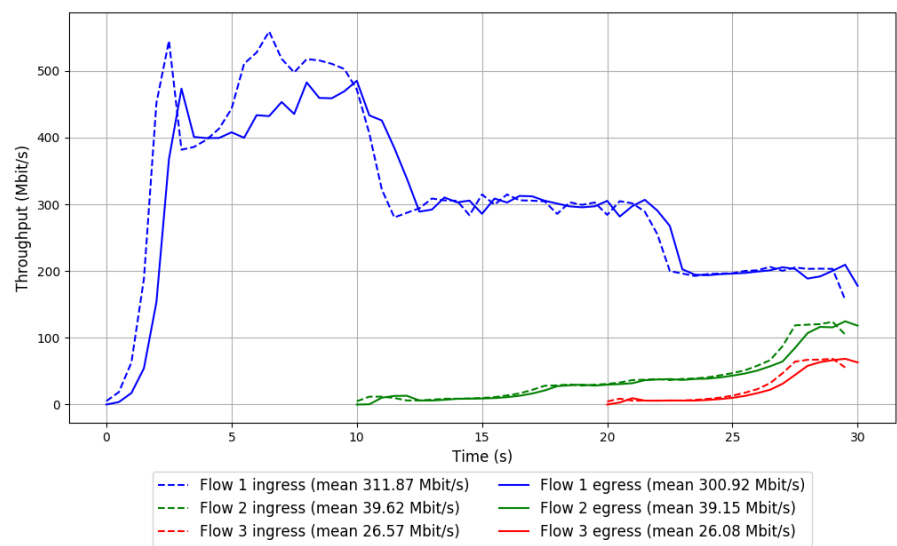
-- Flow 3:

Average throughput: 26.08 Mbit/s

95th percentile per-packet one-way delay: 132.348 ms

Loss rate: 1.85%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-06-30 18:21:26

End at: 2018-06-30 18:21:56

Local clock offset: 0.202 ms

Remote clock offset: 0.16 ms

Below is generated by plot.py at 2018-06-30 21:29:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 234.93 Mbit/s

95th percentile per-packet one-way delay: 63.325 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 204.28 Mbit/s

95th percentile per-packet one-way delay: 63.063 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.50 Mbit/s

95th percentile per-packet one-way delay: 81.943 ms

Loss rate: 0.00%

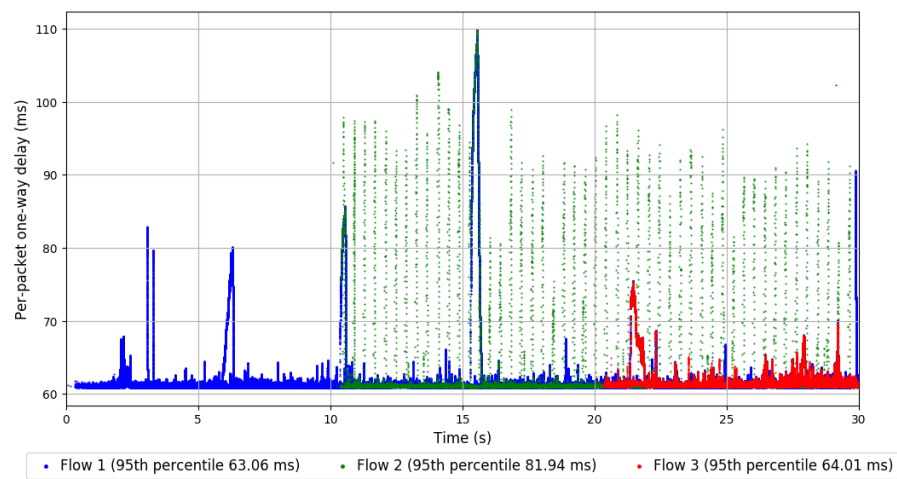
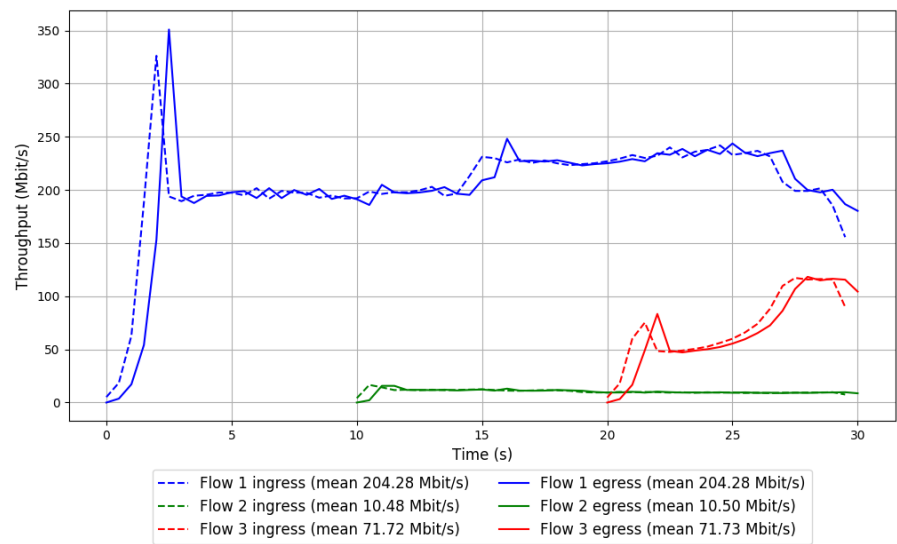
-- Flow 3:

Average throughput: 71.73 Mbit/s

95th percentile per-packet one-way delay: 64.008 ms

Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-06-30 18:45:05

End at: 2018-06-30 18:45:36

Local clock offset: -0.04 ms

Remote clock offset: 1.273 ms

Below is generated by plot.py at 2018-06-30 21:33:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 311.25 Mbit/s

95th percentile per-packet one-way delay: 231.961 ms

Loss rate: 4.35%

-- Flow 1:

Average throughput: 216.94 Mbit/s

95th percentile per-packet one-way delay: 229.956 ms

Loss rate: 3.37%

-- Flow 2:

Average throughput: 139.46 Mbit/s

95th percentile per-packet one-way delay: 234.068 ms

Loss rate: 6.52%

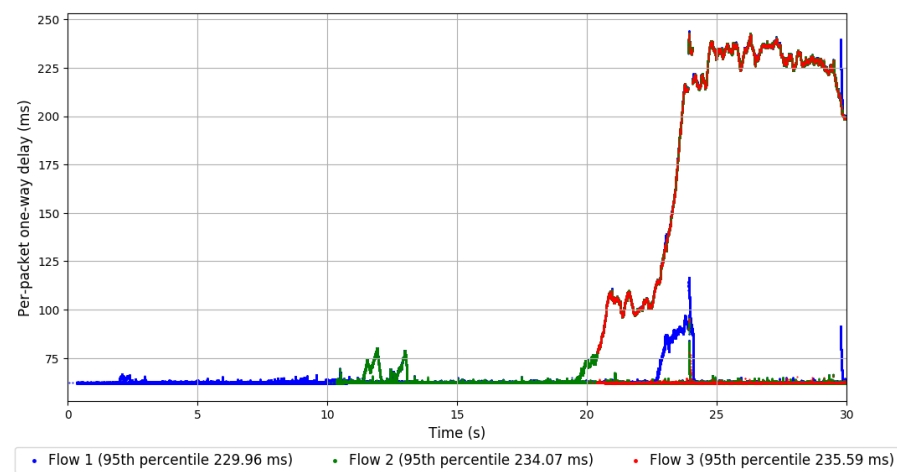
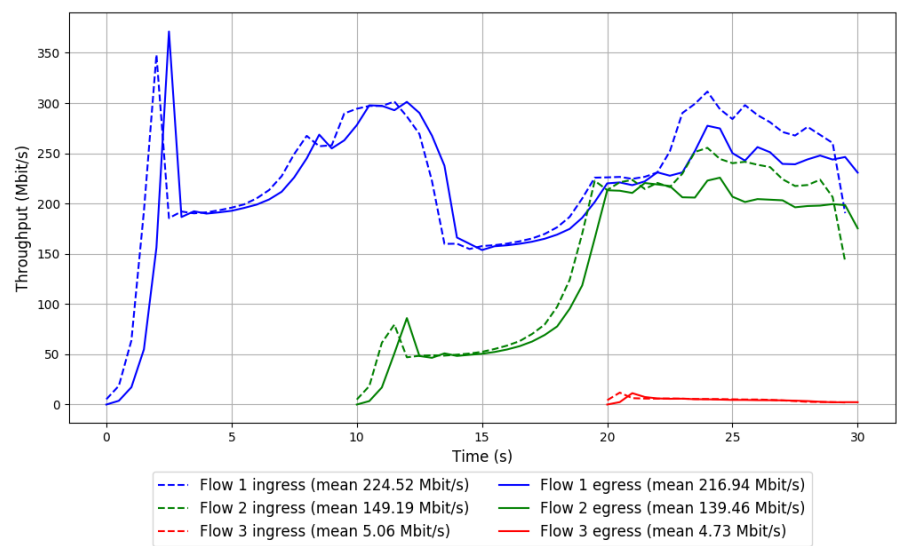
-- Flow 3:

Average throughput: 4.73 Mbit/s

95th percentile per-packet one-way delay: 235.586 ms

Loss rate: 6.50%

Run 8: Report of PCC-Expr — Data Link

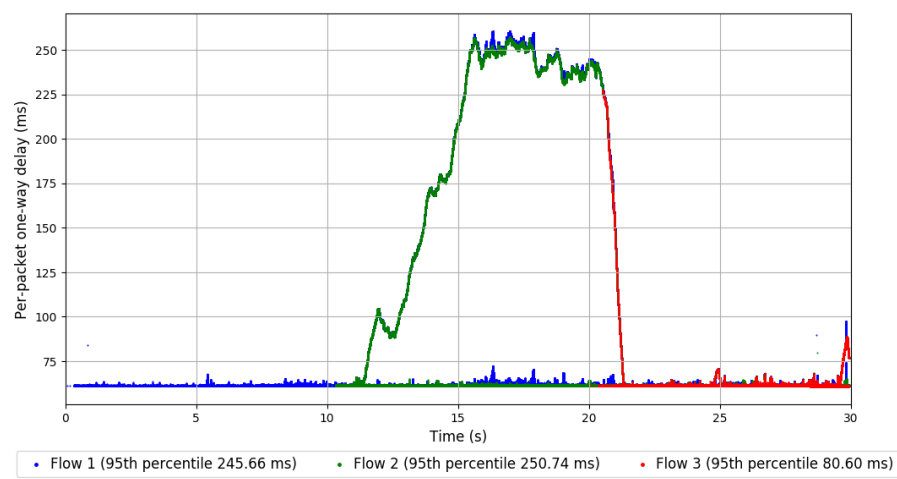
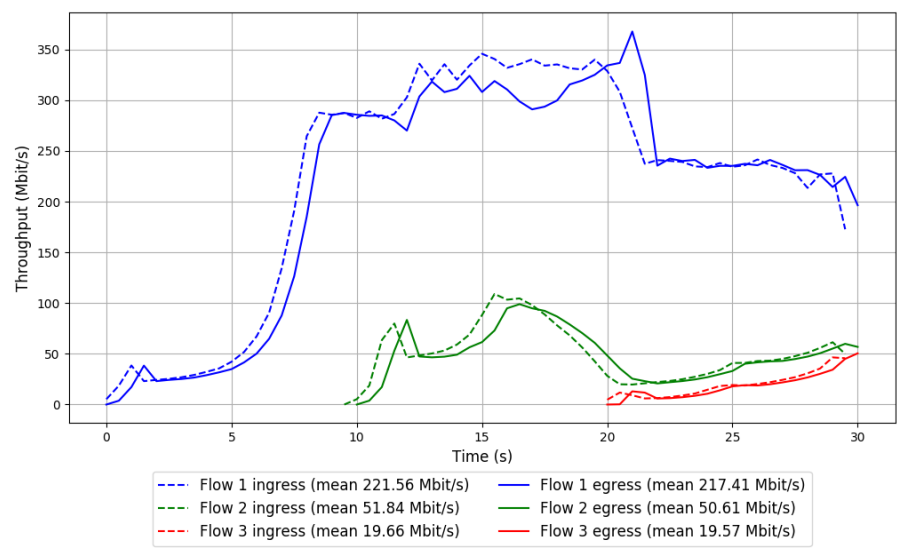


Run 9: Statistics of PCC-Expr

Start at: 2018-06-30 19:08:38
End at: 2018-06-30 19:09:08
Local clock offset: -0.017 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-06-30 21:33:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 257.54 Mbit/s
95th percentile per-packet one-way delay: 247.271 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 217.41 Mbit/s
95th percentile per-packet one-way delay: 245.660 ms
Loss rate: 1.87%
-- Flow 2:
Average throughput: 50.61 Mbit/s
95th percentile per-packet one-way delay: 250.736 ms
Loss rate: 2.37%
-- Flow 3:
Average throughput: 19.57 Mbit/s
95th percentile per-packet one-way delay: 80.598 ms
Loss rate: 0.44%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-06-30 19:32:48

End at: 2018-06-30 19:33:18

Local clock offset: 0.004 ms

Remote clock offset: 0.361 ms

Below is generated by plot.py at 2018-06-30 21:39:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 376.25 Mbit/s

95th percentile per-packet one-way delay: 235.155 ms

Loss rate: 3.21%

-- Flow 1:

Average throughput: 346.12 Mbit/s

95th percentile per-packet one-way delay: 235.621 ms

Loss rate: 3.08%

-- Flow 2:

Average throughput: 11.37 Mbit/s

95th percentile per-packet one-way delay: 229.386 ms

Loss rate: 3.99%

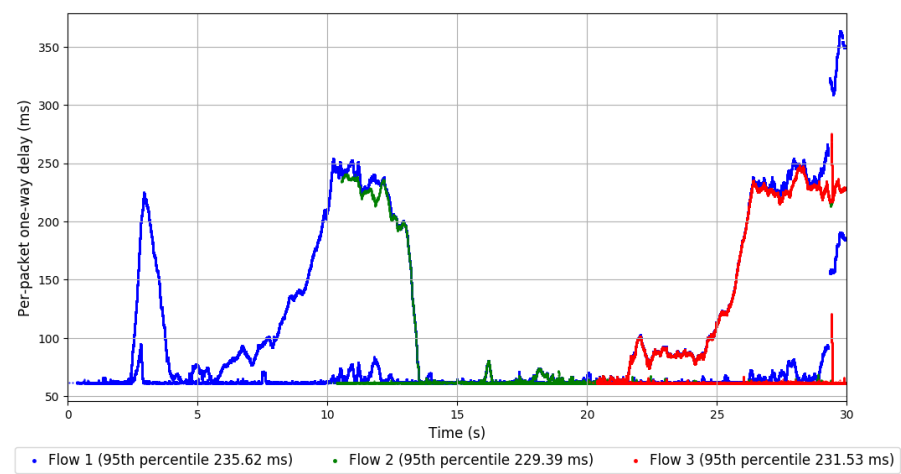
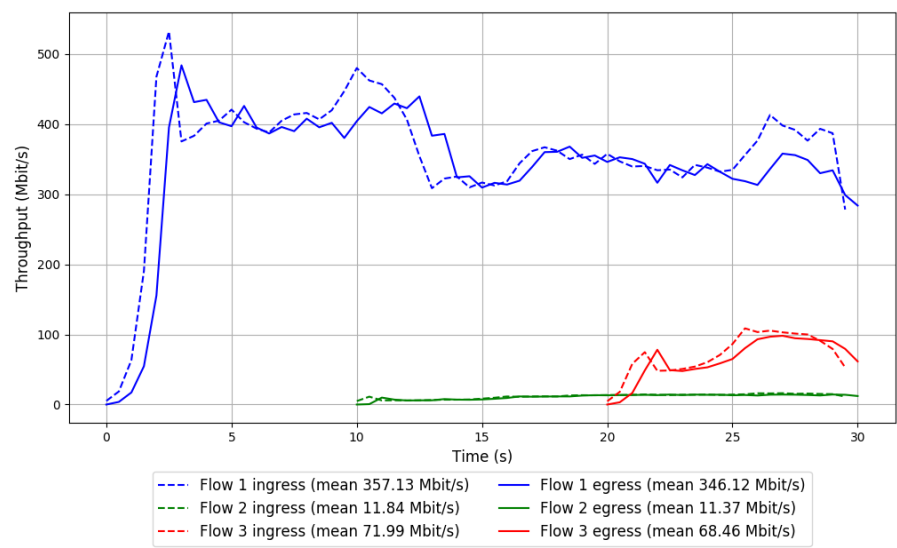
-- Flow 3:

Average throughput: 68.46 Mbit/s

95th percentile per-packet one-way delay: 231.533 ms

Loss rate: 4.88%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-06-30 16:08:33

End at: 2018-06-30 16:09:03

Local clock offset: -0.173 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-06-30 21:39:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.84 Mbit/s

95th percentile per-packet one-way delay: 61.145 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 61.090 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 61.546 ms

Loss rate: 0.00%

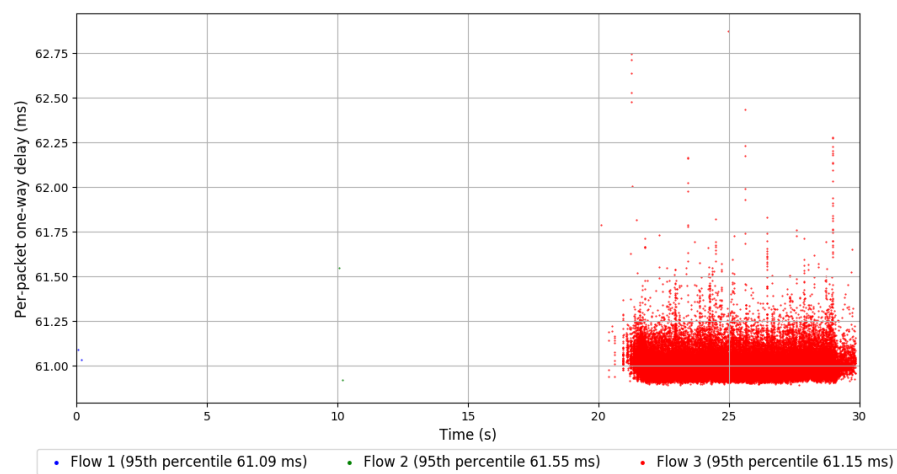
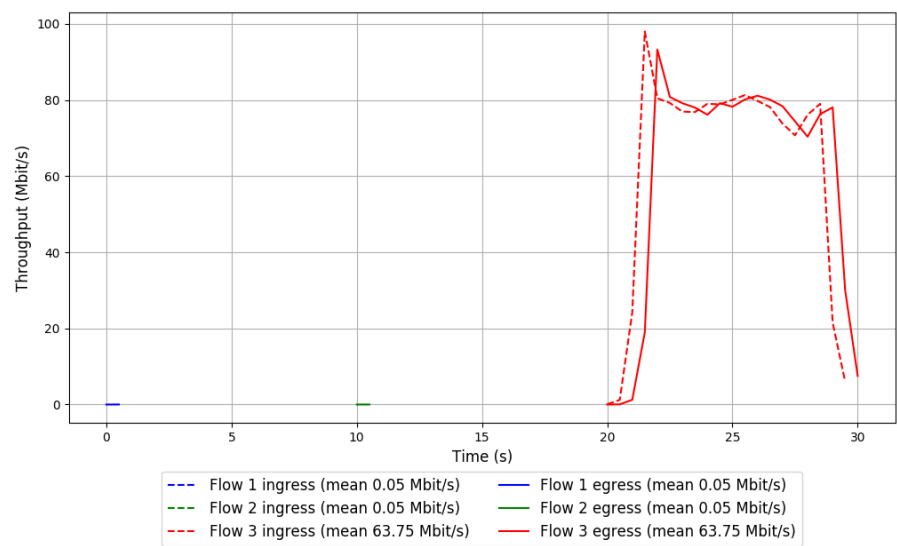
-- Flow 3:

Average throughput: 63.75 Mbit/s

95th percentile per-packet one-way delay: 61.145 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-06-30 16:31:56

End at: 2018-06-30 16:32:26

Local clock offset: 0.177 ms

Remote clock offset: 0.094 ms

Below is generated by plot.py at 2018-06-30 21:39:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 118.06 Mbit/s

95th percentile per-packet one-way delay: 61.329 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 57.54 Mbit/s

95th percentile per-packet one-way delay: 61.133 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 61.20 Mbit/s

95th percentile per-packet one-way delay: 61.279 ms

Loss rate: 0.00%

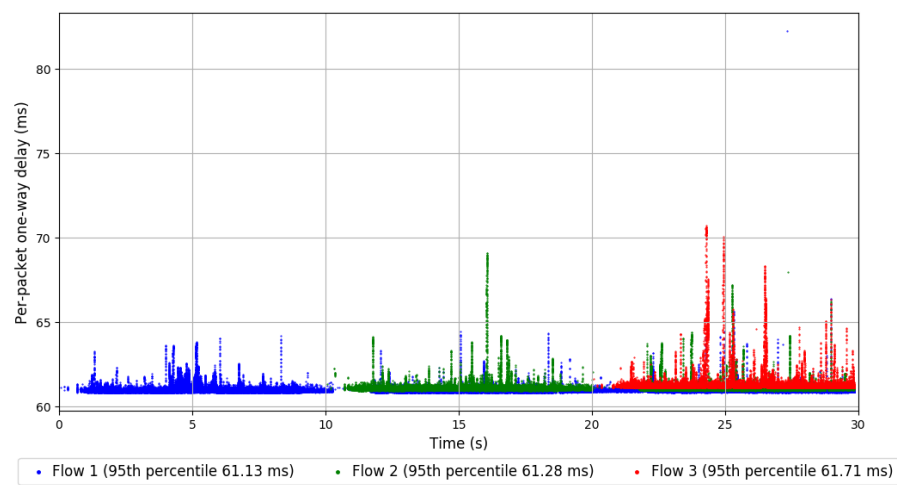
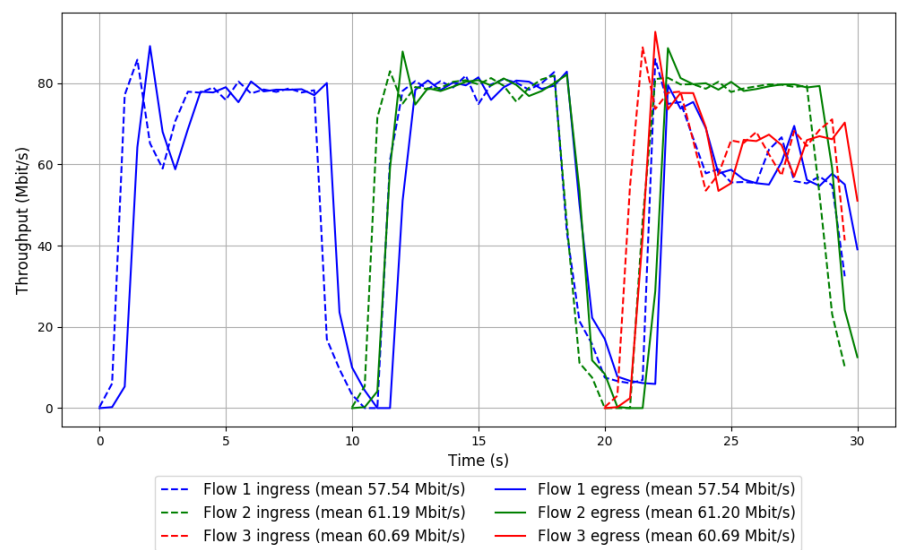
-- Flow 3:

Average throughput: 60.69 Mbit/s

95th percentile per-packet one-way delay: 61.713 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

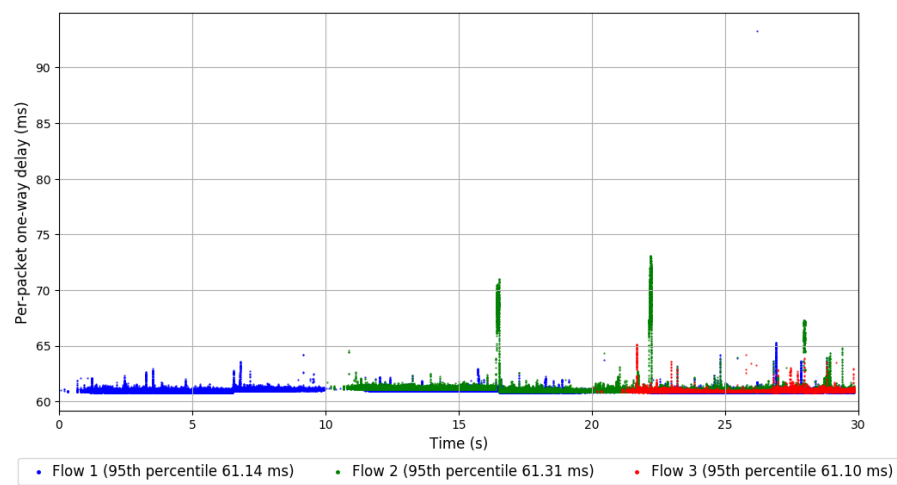
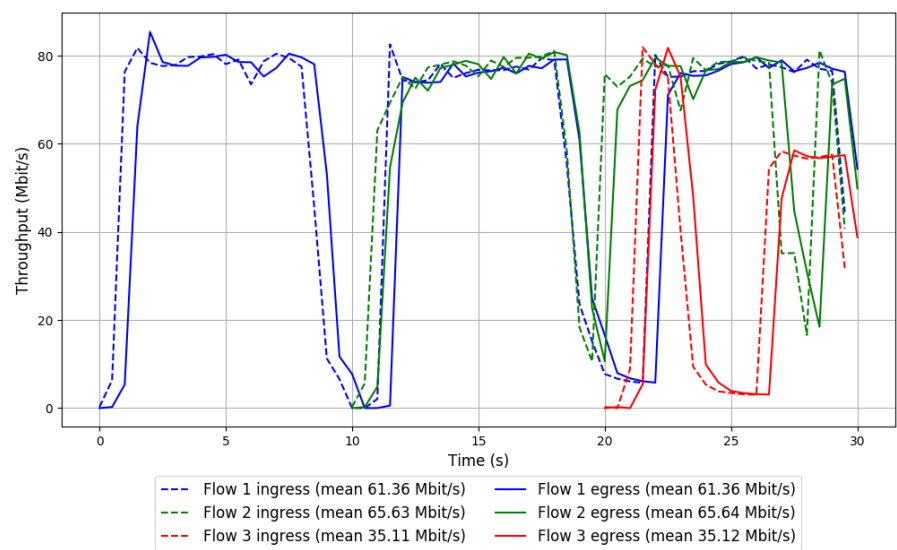


Run 3: Statistics of QUIC Cubic

Start at: 2018-06-30 16:55:50
End at: 2018-06-30 16:56:20
Local clock offset: -0.104 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-06-30 21:39:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 116.45 Mbit/s
95th percentile per-packet one-way delay: 61.234 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.36 Mbit/s
95th percentile per-packet one-way delay: 61.136 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.64 Mbit/s
95th percentile per-packet one-way delay: 61.307 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.12 Mbit/s
95th percentile per-packet one-way delay: 61.098 ms
Loss rate: 0.01%

Run 3: Report of QUIC Cubic — Data Link

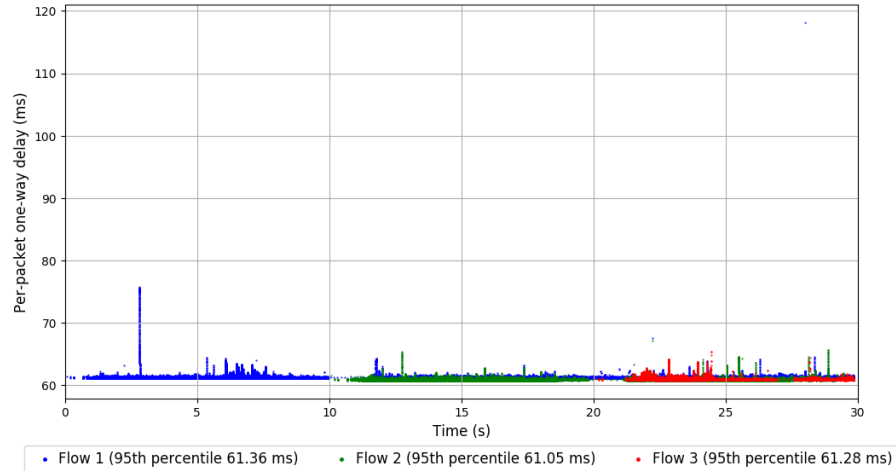
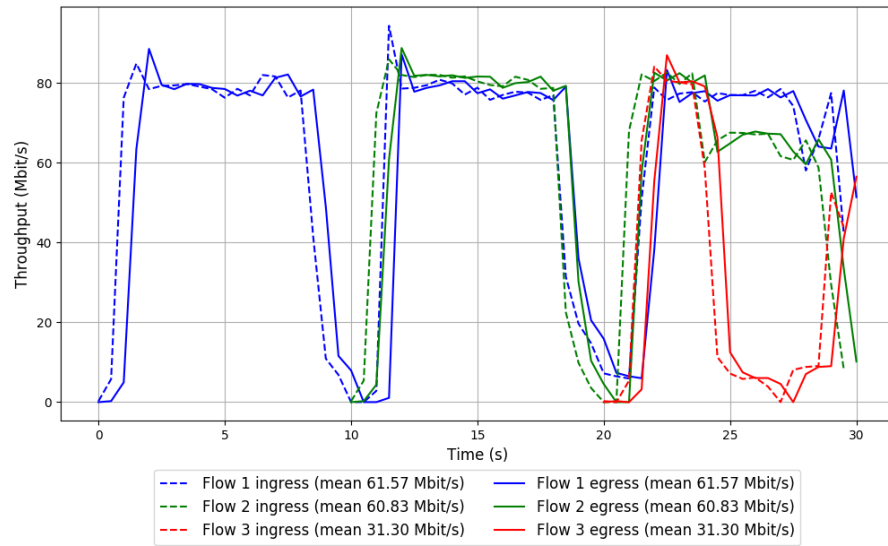


Run 4: Statistics of QUIC Cubic

Start at: 2018-06-30 17:19:26
End at: 2018-06-30 17:19:56
Local clock offset: 0.034 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-06-30 21:39:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 112.21 Mbit/s
95th percentile per-packet one-way delay: 61.321 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.57 Mbit/s
95th percentile per-packet one-way delay: 61.361 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.83 Mbit/s
95th percentile per-packet one-way delay: 61.052 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.30 Mbit/s
95th percentile per-packet one-way delay: 61.276 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

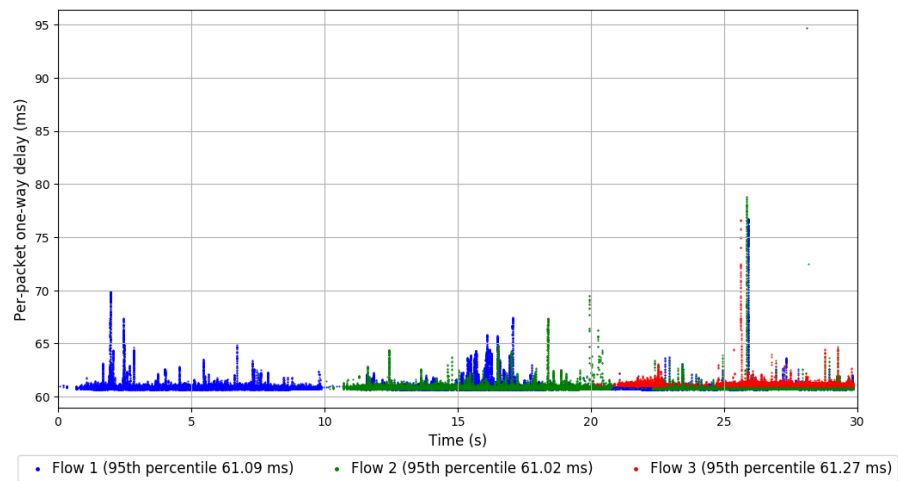
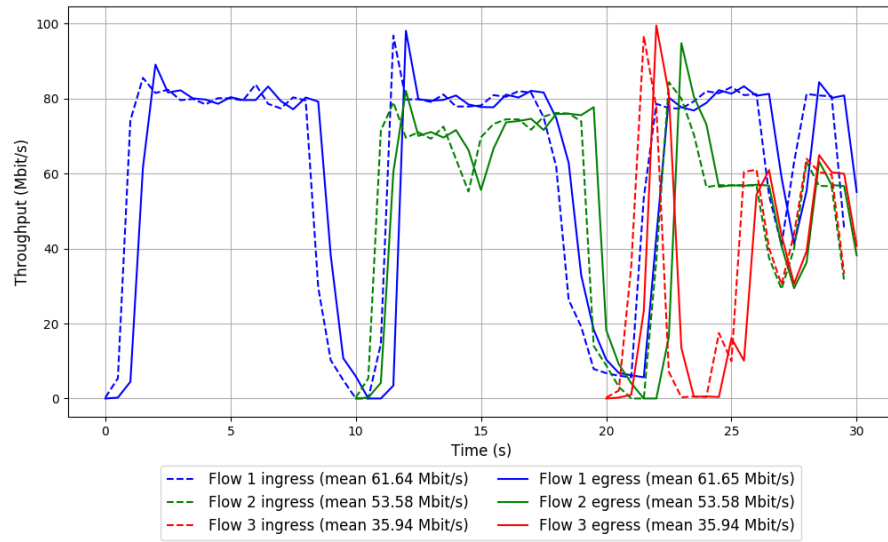


Run 5: Statistics of QUIC Cubic

Start at: 2018-06-30 17:43:04
End at: 2018-06-30 17:43:34
Local clock offset: 0.107 ms
Remote clock offset: -0.207 ms

Below is generated by plot.py at 2018-06-30 21:39:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 108.99 Mbit/s
95th percentile per-packet one-way delay: 61.179 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.65 Mbit/s
95th percentile per-packet one-way delay: 61.085 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 53.58 Mbit/s
95th percentile per-packet one-way delay: 61.021 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.94 Mbit/s
95th percentile per-packet one-way delay: 61.273 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

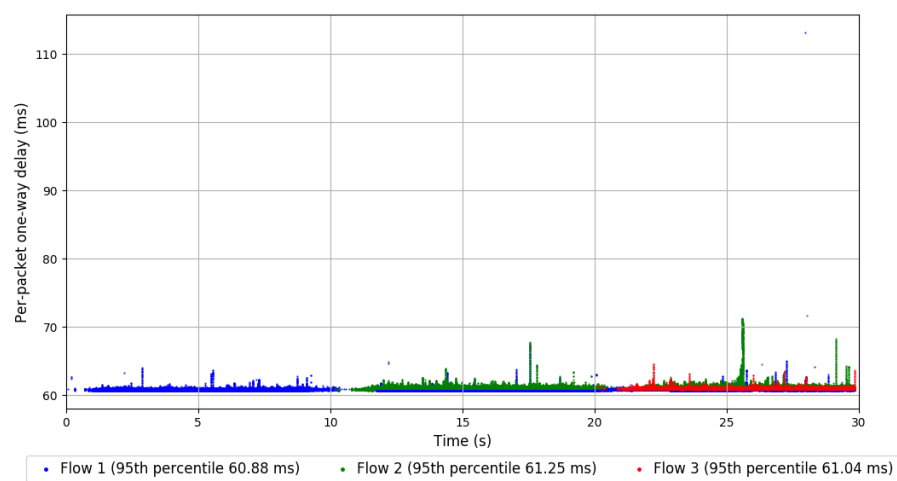
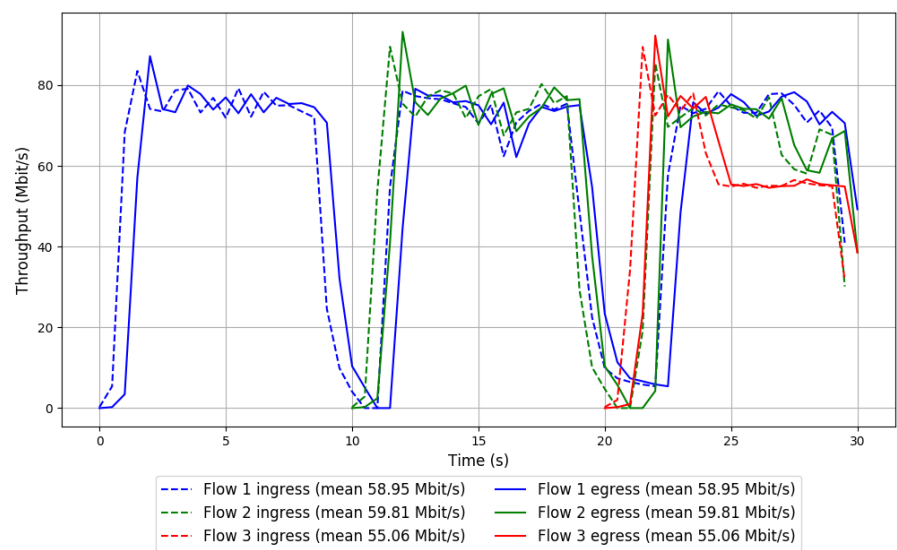


Run 6: Statistics of QUIC Cubic

Start at: 2018-06-30 18:06:44
End at: 2018-06-30 18:07:15
Local clock offset: 0.238 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-06-30 21:39:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 116.62 Mbit/s
95th percentile per-packet one-way delay: 61.150 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: 60.879 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.81 Mbit/s
95th percentile per-packet one-way delay: 61.251 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.06 Mbit/s
95th percentile per-packet one-way delay: 61.040 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-06-30 18:30:32

End at: 2018-06-30 18:31:02

Local clock offset: 0.05 ms

Remote clock offset: 1.41 ms

Below is generated by plot.py at 2018-06-30 21:39:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 119.03 Mbit/s

95th percentile per-packet one-way delay: 62.752 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 62.50 Mbit/s

95th percentile per-packet one-way delay: 62.772 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 54.35 Mbit/s

95th percentile per-packet one-way delay: 62.704 ms

Loss rate: 0.00%

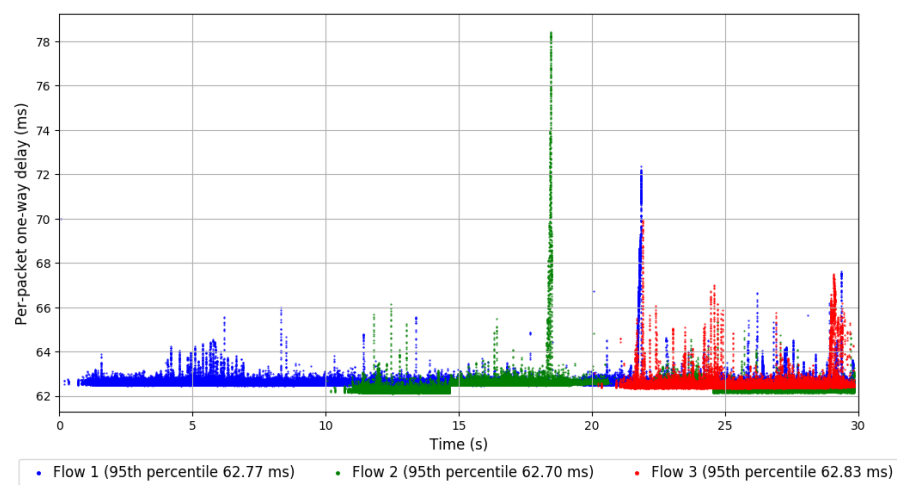
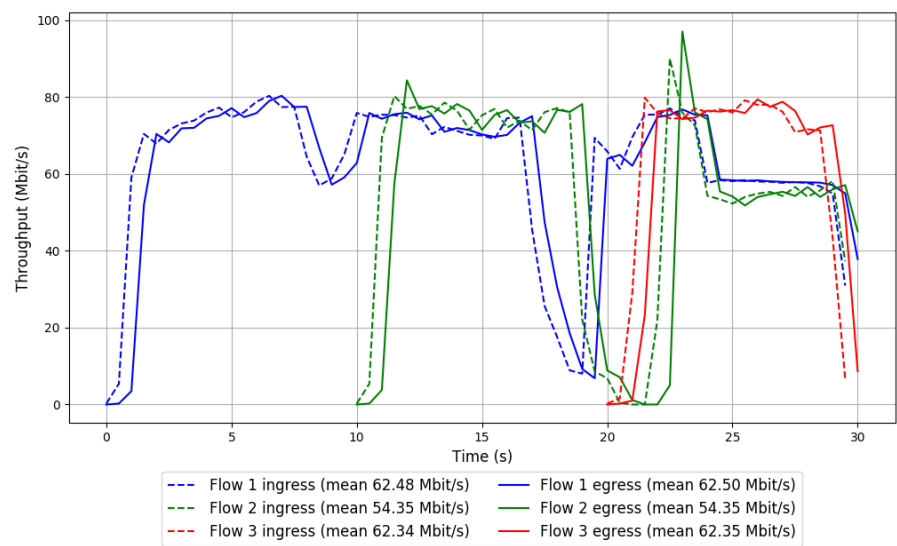
-- Flow 3:

Average throughput: 62.35 Mbit/s

95th percentile per-packet one-way delay: 62.825 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-30 18:54:19

End at: 2018-06-30 18:54:49

Local clock offset: -0.081 ms

Remote clock offset: 0.111 ms

Below is generated by plot.py at 2018-06-30 21:39:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.51 Mbit/s

95th percentile per-packet one-way delay: 61.192 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 59.63 Mbit/s

95th percentile per-packet one-way delay: 61.188 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.41 Mbit/s

95th percentile per-packet one-way delay: 61.340 ms

Loss rate: 3.25%

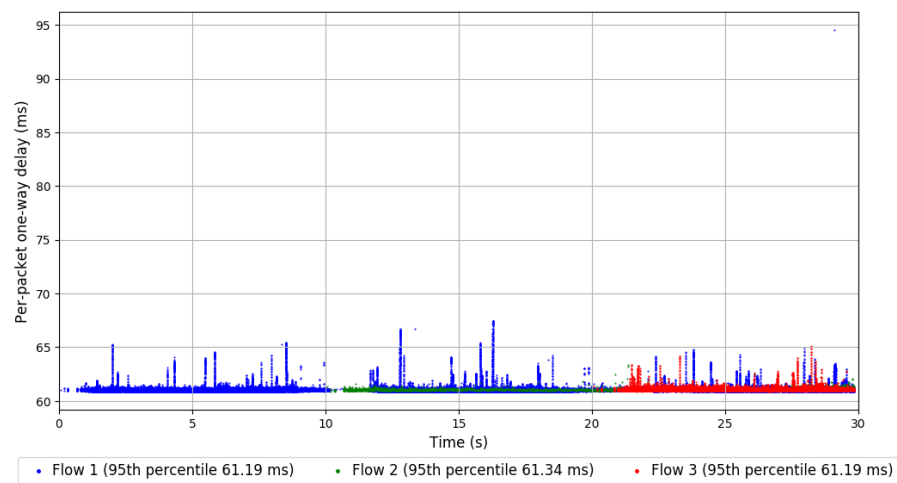
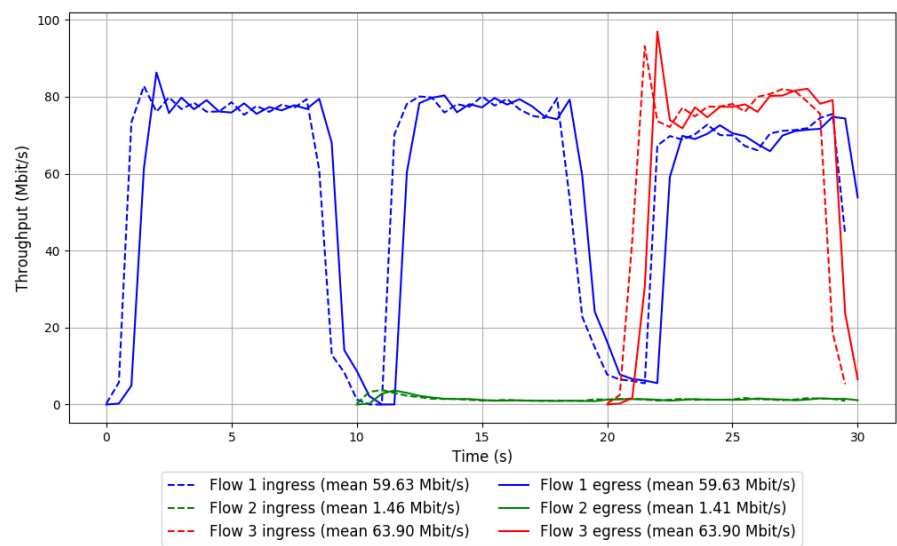
-- Flow 3:

Average throughput: 63.90 Mbit/s

95th percentile per-packet one-way delay: 61.188 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-30 19:17:54

End at: 2018-06-30 19:18:24

Local clock offset: -0.036 ms

Remote clock offset: 0.206 ms

Below is generated by plot.py at 2018-06-30 21:39:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 121.28 Mbit/s

95th percentile per-packet one-way delay: 61.432 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 62.80 Mbit/s

95th percentile per-packet one-way delay: 61.379 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 58.10 Mbit/s

95th percentile per-packet one-way delay: 61.424 ms

Loss rate: 0.00%

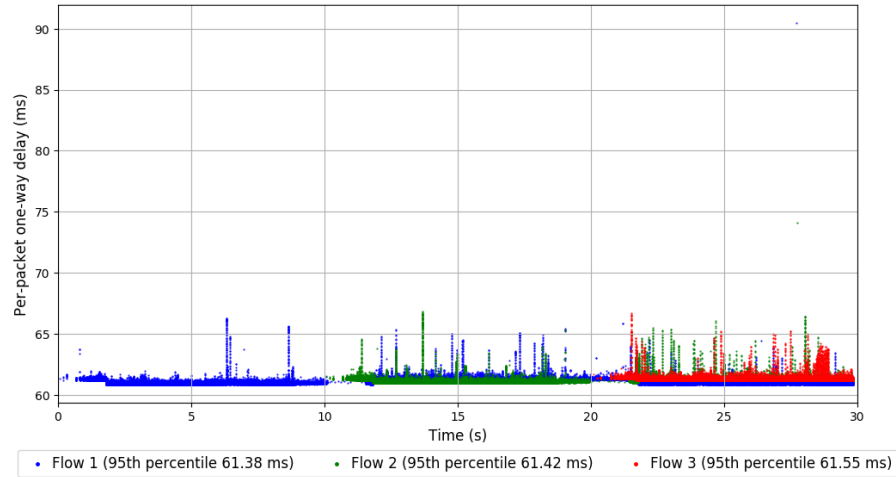
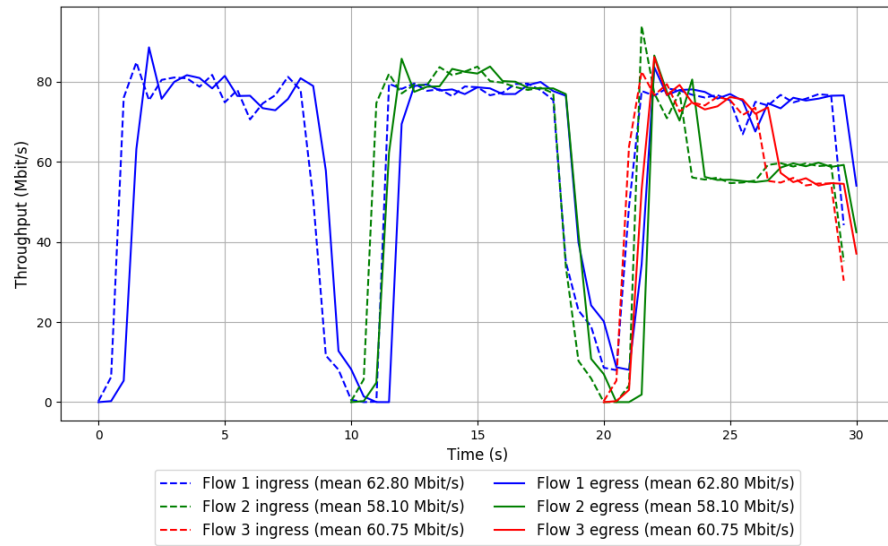
-- Flow 3:

Average throughput: 60.75 Mbit/s

95th percentile per-packet one-way delay: 61.550 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-30 19:42:31

End at: 2018-06-30 19:43:01

Local clock offset: 0.131 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-06-30 21:39:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 116.74 Mbit/s

95th percentile per-packet one-way delay: 61.130 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.84 Mbit/s

95th percentile per-packet one-way delay: 61.022 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.31 Mbit/s

95th percentile per-packet one-way delay: 61.181 ms

Loss rate: 0.00%

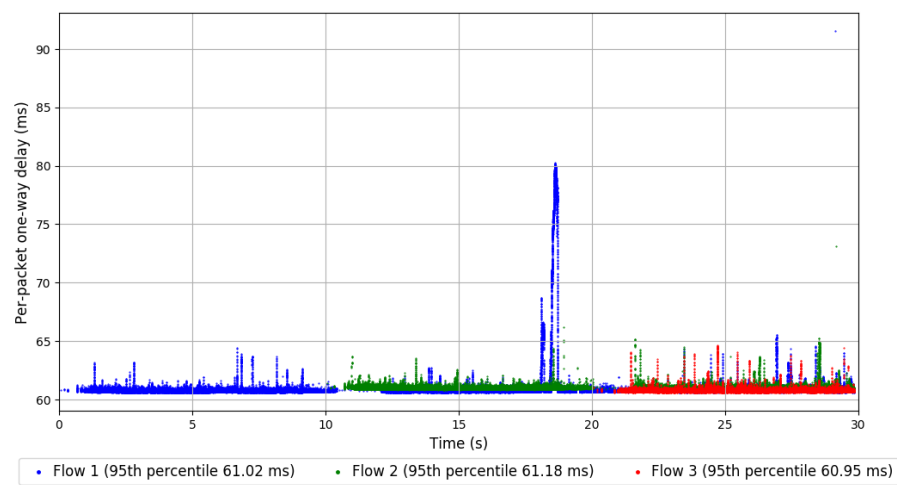
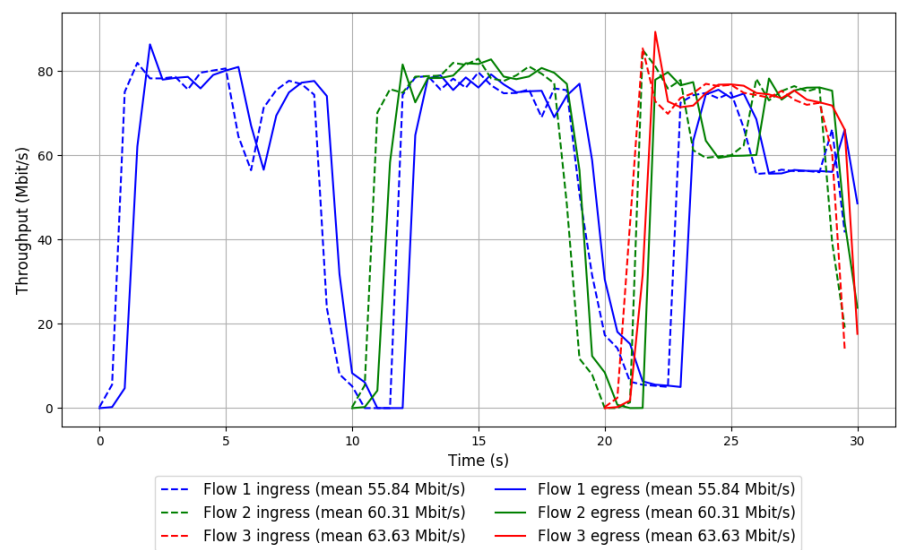
-- Flow 3:

Average throughput: 63.63 Mbit/s

95th percentile per-packet one-way delay: 60.953 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

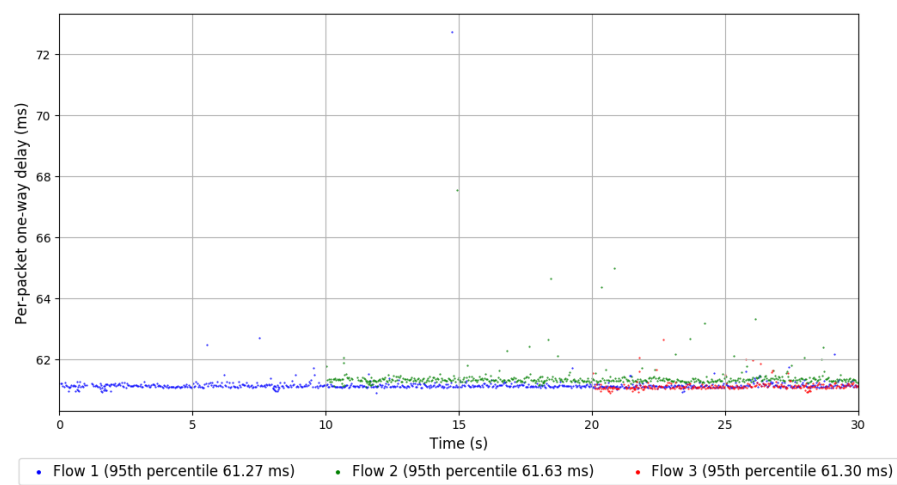
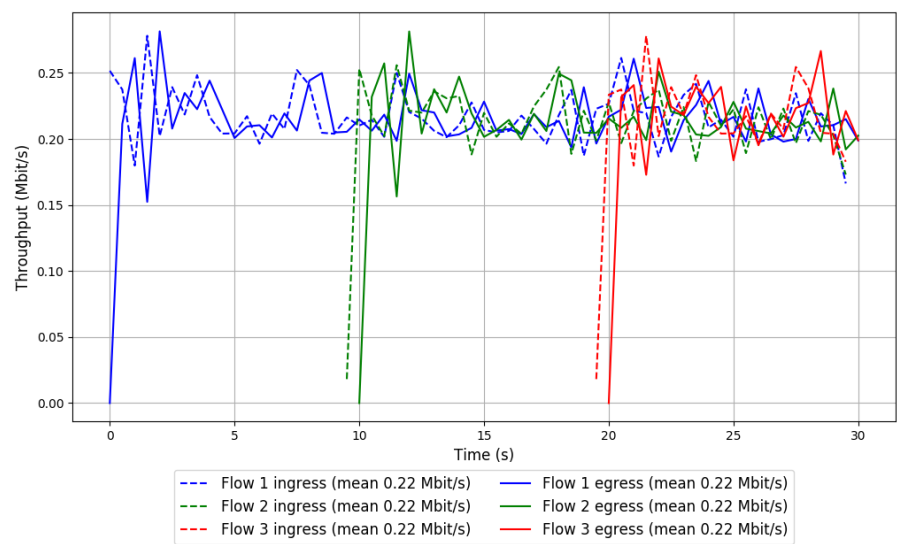


```
Run 1: Statistics of SReAM

Start at: 2018-06-30 15:58:15
End at: 2018-06-30 15:58:45
Local clock offset: -0.419 ms
Remote clock offset: 0.085 ms

# Below is generated by plot.py at 2018-06-30 21:39:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.450 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.268 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.626 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.295 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link

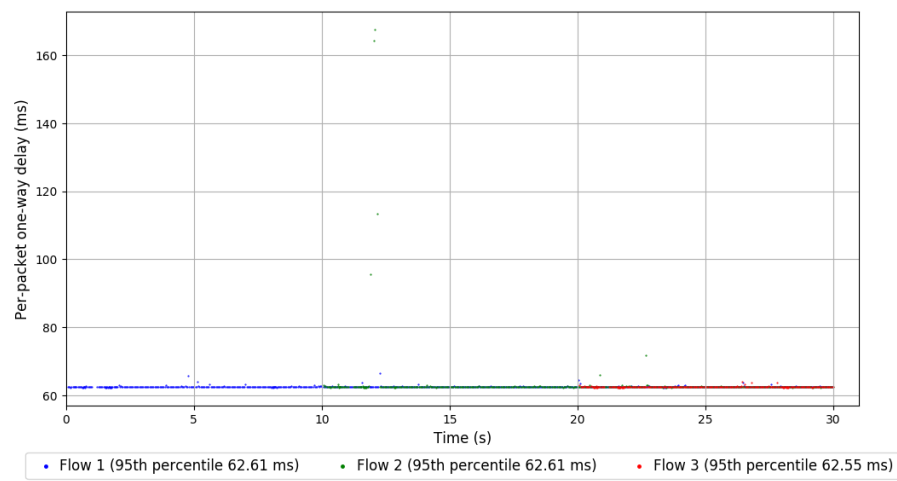
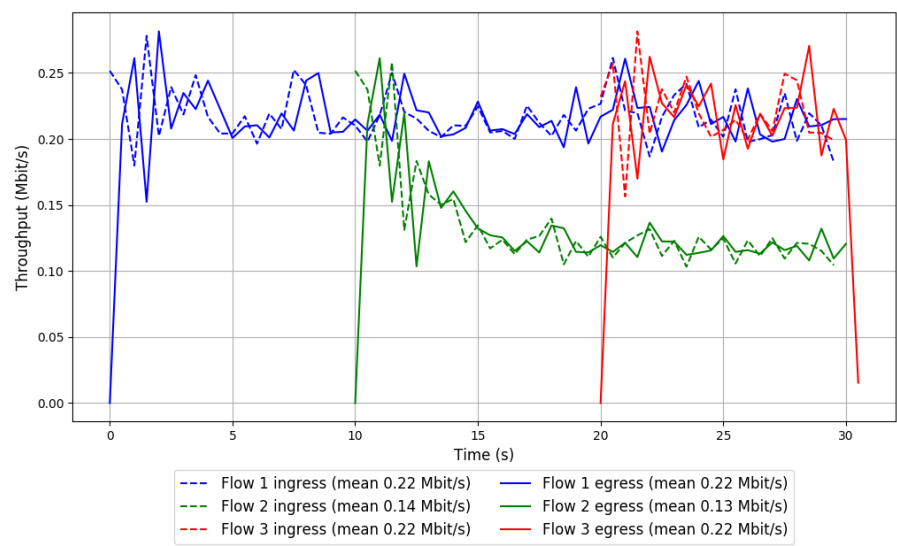


```
Run 2: Statistics of SCReAM

Start at: 2018-06-30 16:21:39
End at: 2018-06-30 16:22:09
Local clock offset: 0.115 ms
Remote clock offset: 1.187 ms

# Below is generated by plot.py at 2018-06-30 21:39:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 62.606 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.614 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 62.606 ms
Loss rate: 1.80%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.550 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link

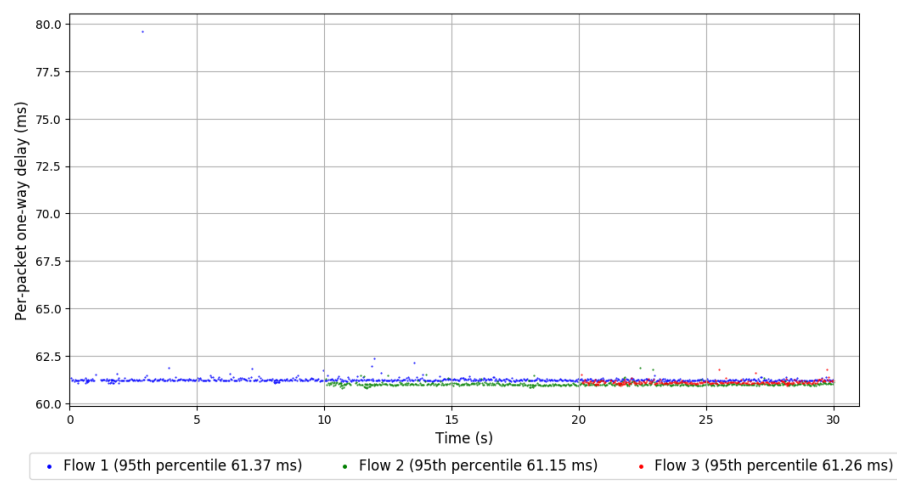
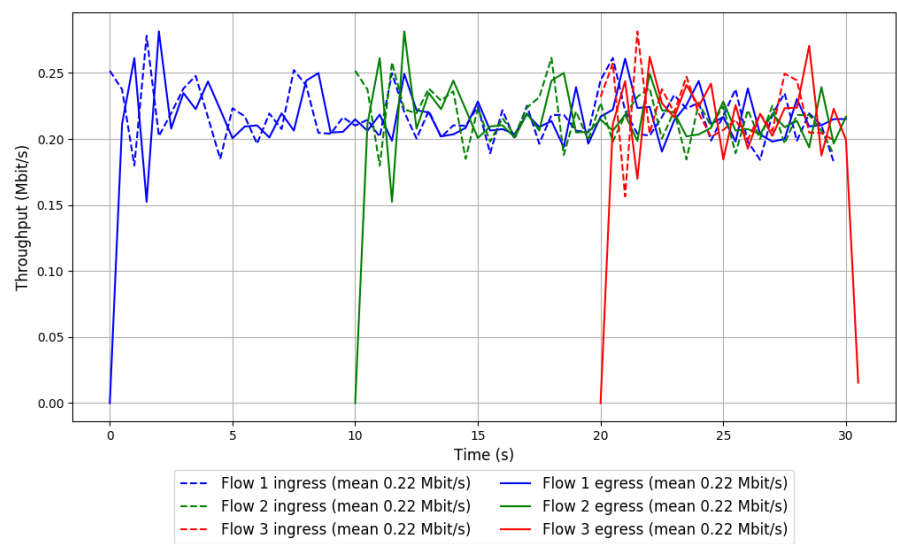


Run 3: Statistics of SReAM

Start at: 2018-06-30 16:45:27
End at: 2018-06-30 16:45:57
Local clock offset: -0.047 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-06-30 21:39:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.329 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.372 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.146 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.255 ms
Loss rate: 0.00%

Run 3: Report of SCReAM — Data Link

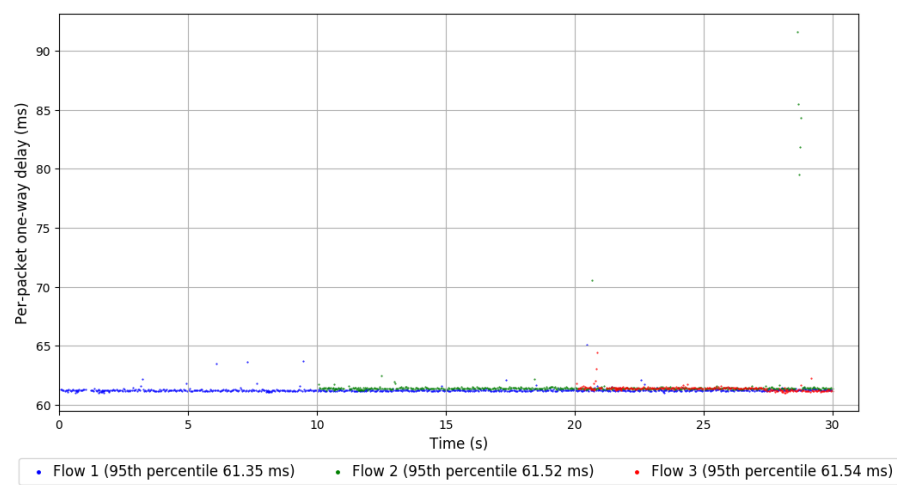
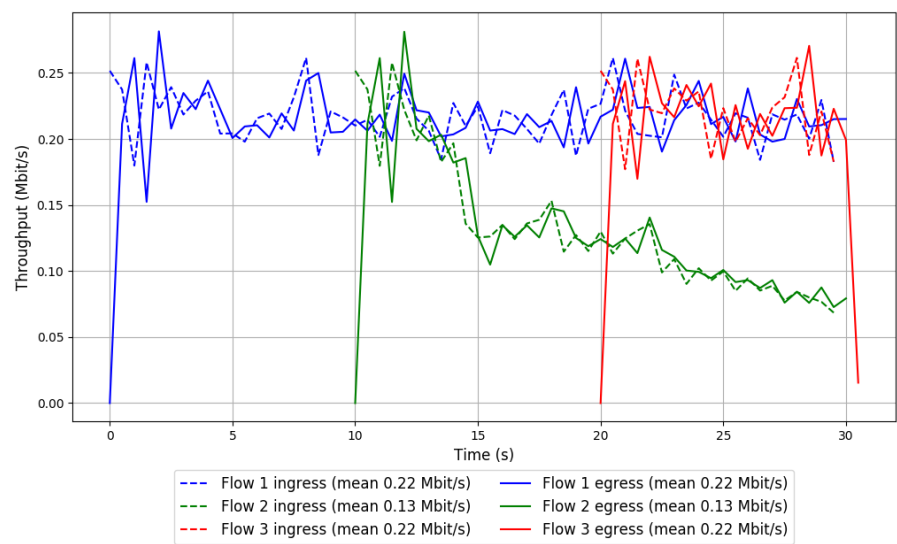


Run 4: Statistics of SReAM

Start at: 2018-06-30 17:09:09
End at: 2018-06-30 17:09:39
Local clock offset: -0.127 ms
Remote clock offset: 0.065 ms

```
# Below is generated by plot.py at 2018-06-30 21:39:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 61.487 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.351 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 61.517 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.543 ms
Loss rate: 0.00%
```

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-06-30 17:32:51

End at: 2018-06-30 17:33:21

Local clock offset: 0.088 ms

Remote clock offset: 1.031 ms

Below is generated by plot.py at 2018-06-30 21:39:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 62.327 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.280 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.252 ms

Loss rate: 0.00%

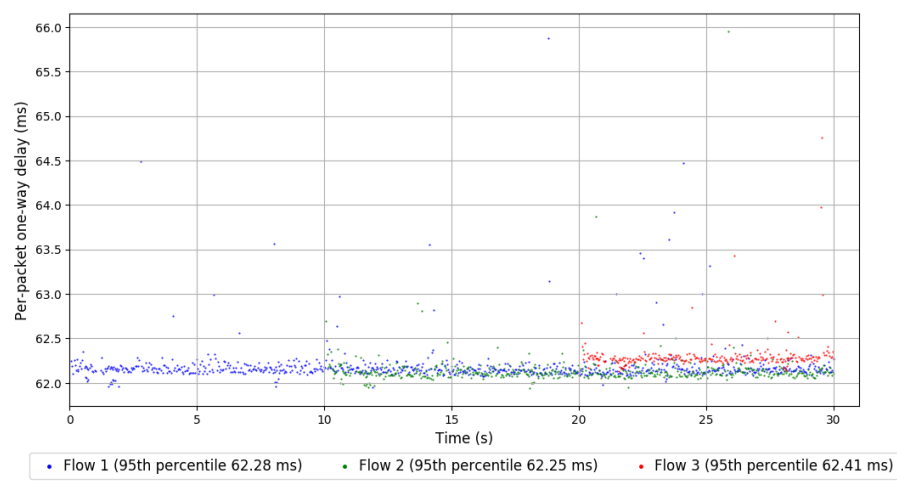
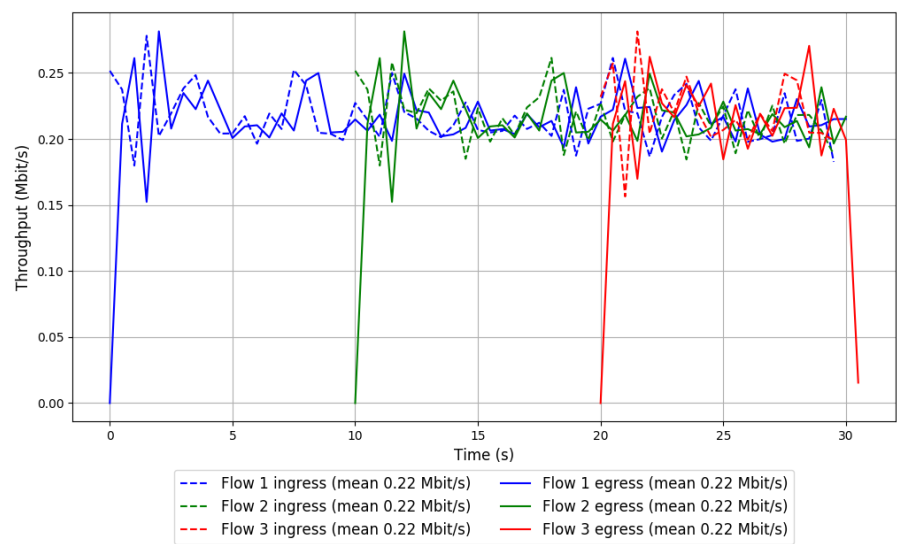
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.406 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

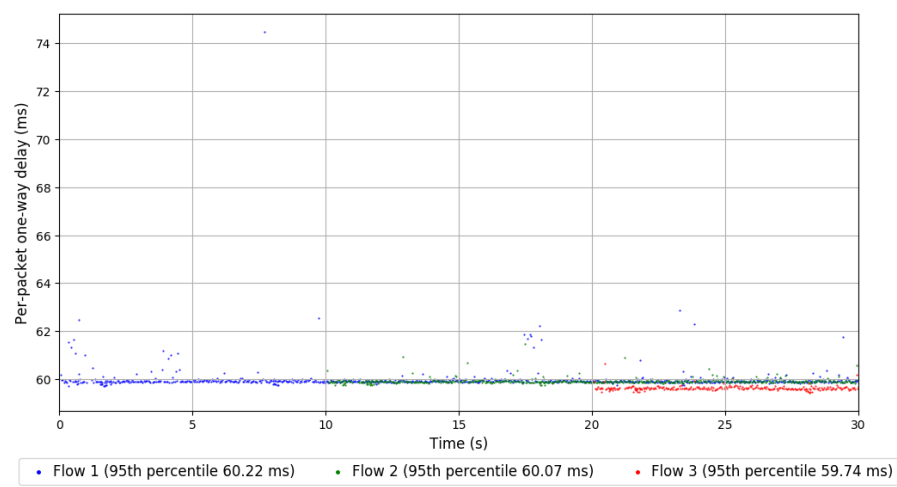
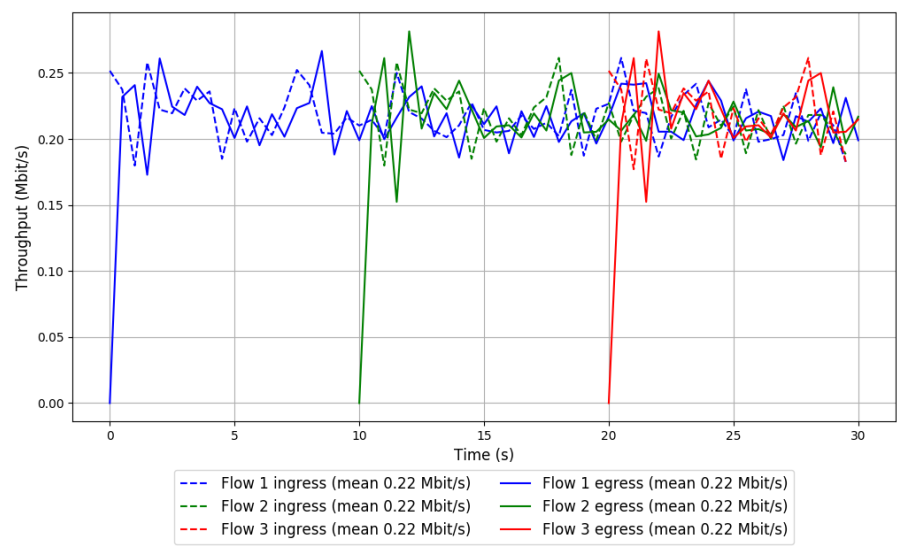


Run 6: Statistics of SReAM

Start at: 2018-06-30 17:56:22
End at: 2018-06-30 17:56:52
Local clock offset: 0.227 ms
Remote clock offset: -1.387 ms

Below is generated by plot.py at 2018-06-30 21:39:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 60.082 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.224 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.071 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.743 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-06-30 18:20:18

End at: 2018-06-30 18:20:48

Local clock offset: 0.26 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-06-30 21:39:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 61.479 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 61.546 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.156 ms

Loss rate: 0.00%

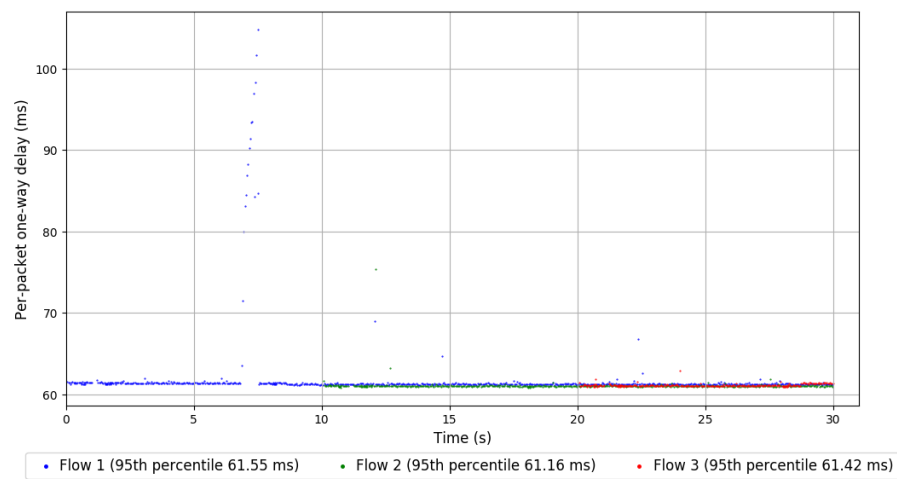
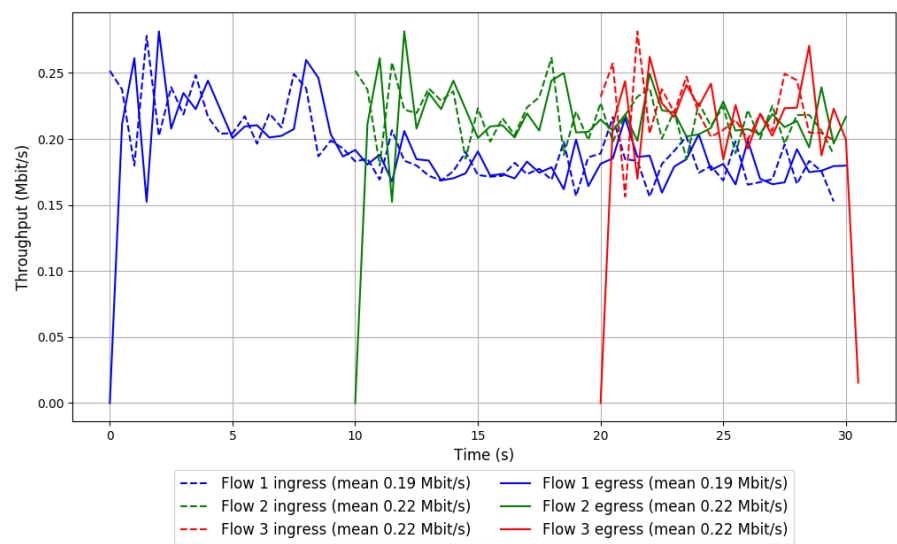
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.422 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-06-30 18:43:57

End at: 2018-06-30 18:44:27

Local clock offset: -0.046 ms

Remote clock offset: 1.124 ms

Below is generated by plot.py at 2018-06-30 21:39:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 62.515 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.572 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.401 ms

Loss rate: 0.00%

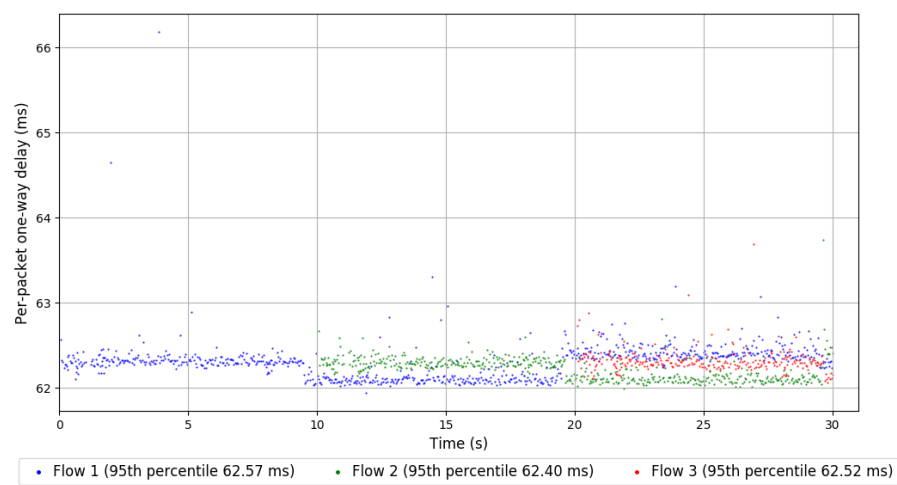
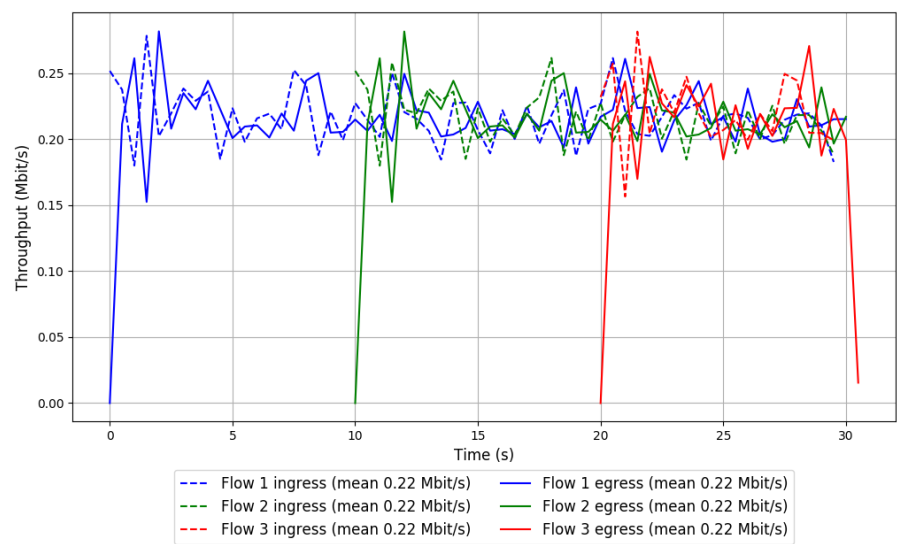
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.521 ms

Loss rate: 0.00%

Run 8: Report of SCReAM — Data Link

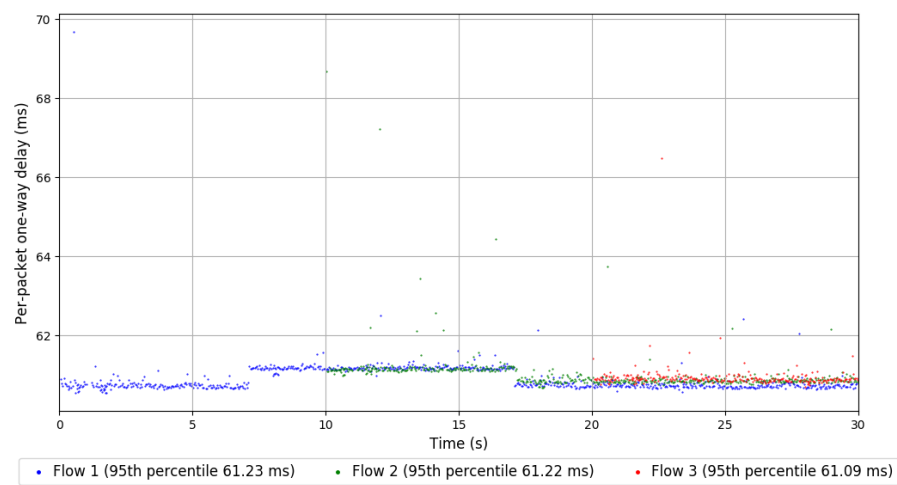
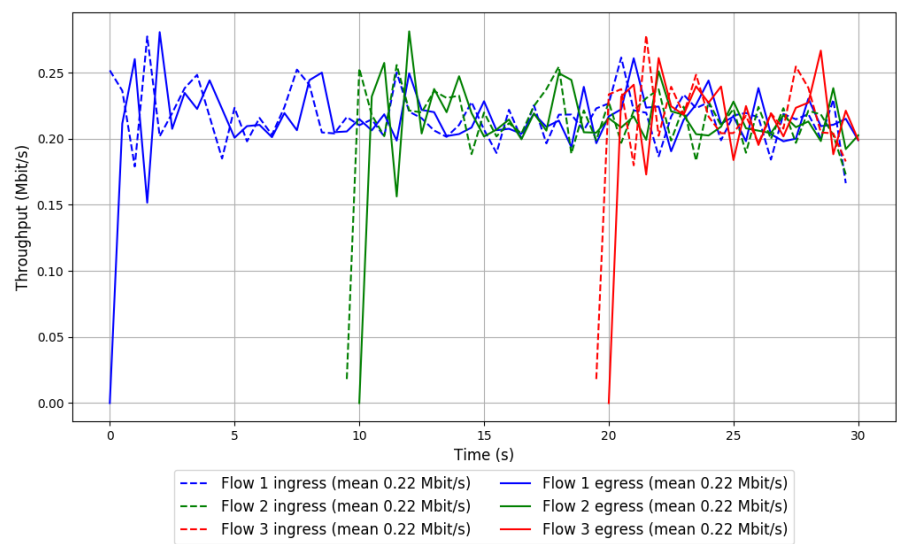


Run 9: Statistics of SReAM

Start at: 2018-06-30 19:07:29
End at: 2018-06-30 19:07:59
Local clock offset: -0.073 ms
Remote clock offset: -0.225 ms

Below is generated by plot.py at 2018-06-30 21:39:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.219 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.226 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.219 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.086 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-06-30 19:31:39

End at: 2018-06-30 19:32:09

Local clock offset: 0.009 ms

Remote clock offset: 1.225 ms

Below is generated by plot.py at 2018-06-30 21:39:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 62.555 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.599 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.361 ms

Loss rate: 0.00%

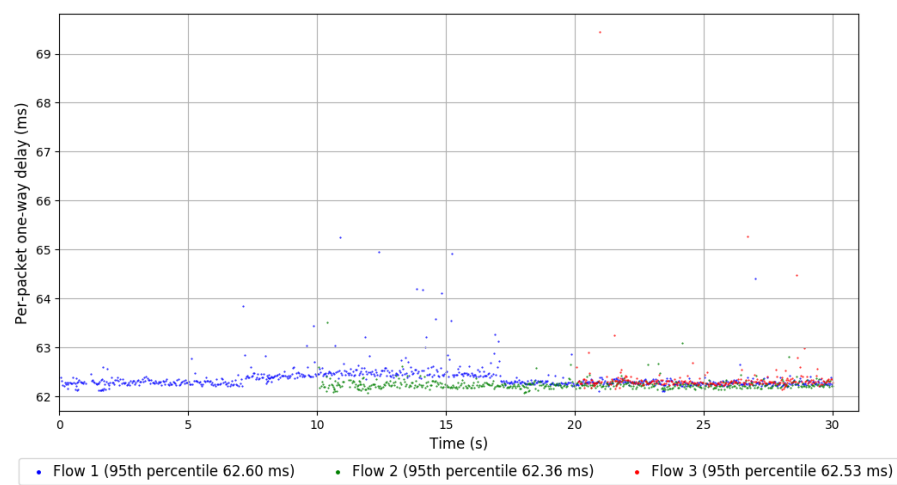
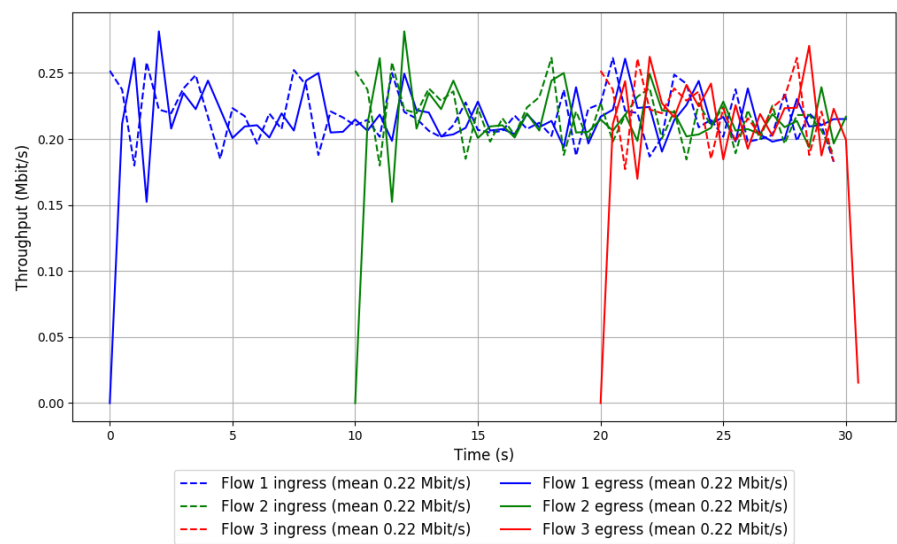
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.534 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-06-30 16:00:58

End at: 2018-06-30 16:01:28

Local clock offset: -0.451 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-06-30 21:39:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.61 Mbit/s

95th percentile per-packet one-way delay: 61.605 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.22 Mbit/s

95th percentile per-packet one-way delay: 61.607 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.61 Mbit/s

95th percentile per-packet one-way delay: 61.635 ms

Loss rate: 0.00%

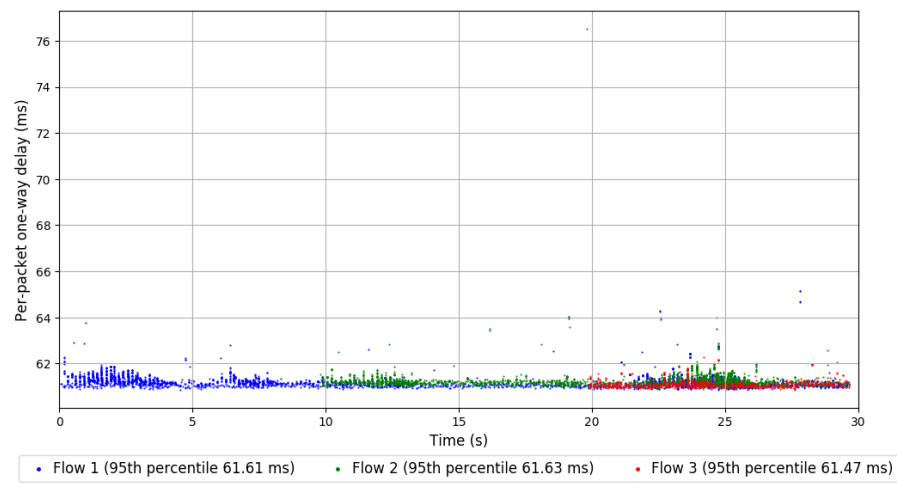
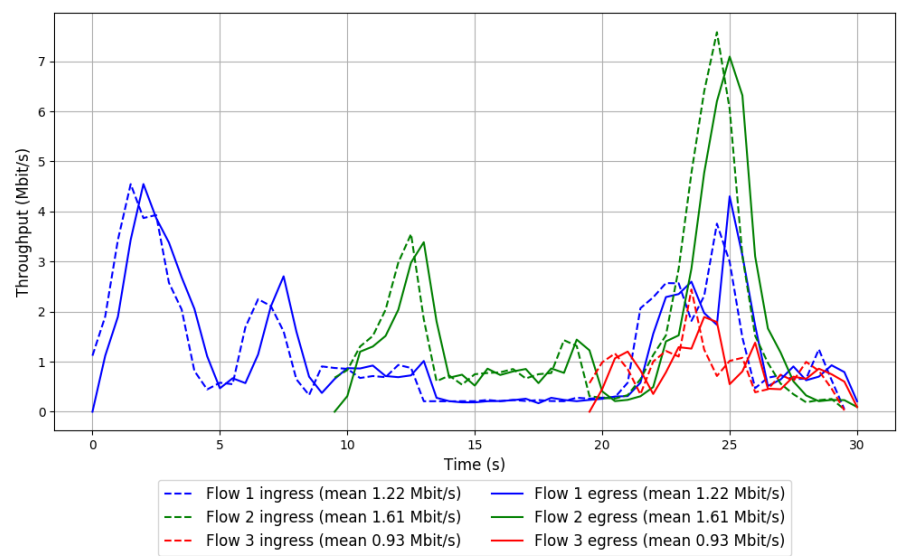
-- Flow 3:

Average throughput: 0.93 Mbit/s

95th percentile per-packet one-way delay: 61.470 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

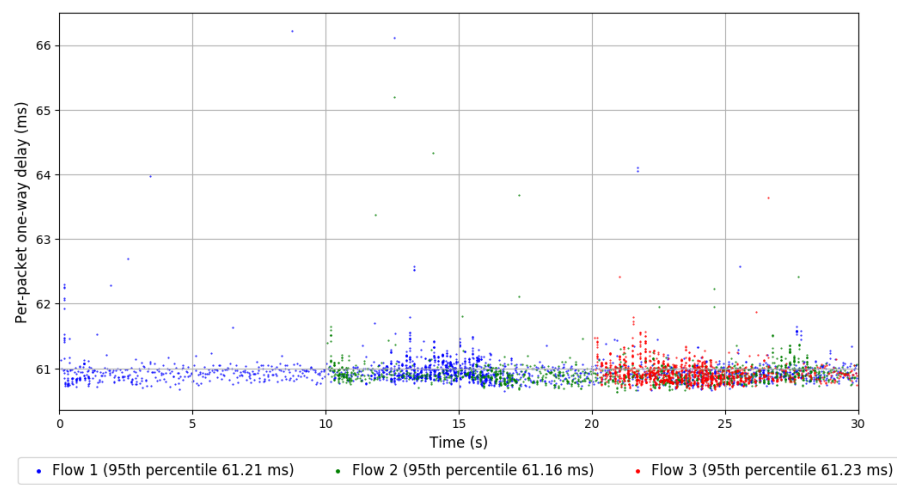
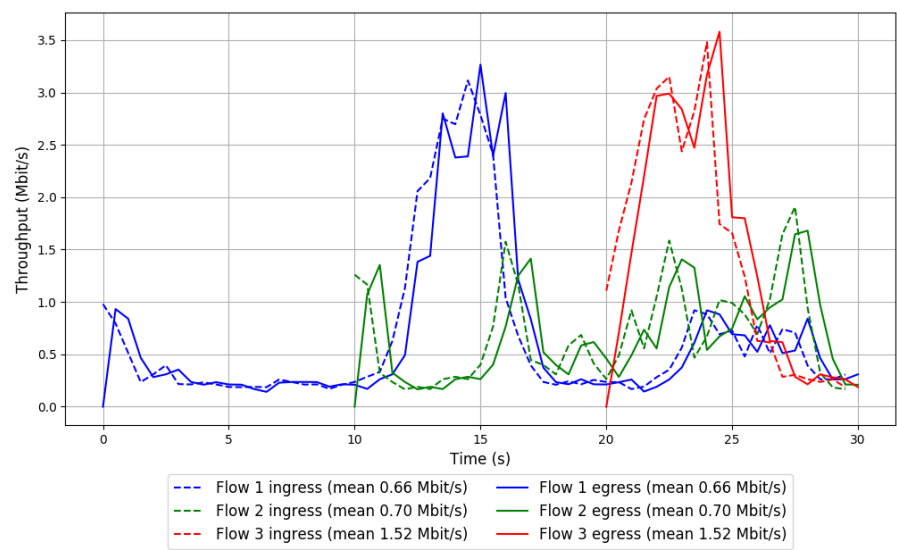


Run 2: Statistics of Sprout

Start at: 2018-06-30 16:24:21
End at: 2018-06-30 16:24:51
Local clock offset: 0.176 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-06-30 21:39:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 61.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 61.212 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 61.165 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 61.228 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

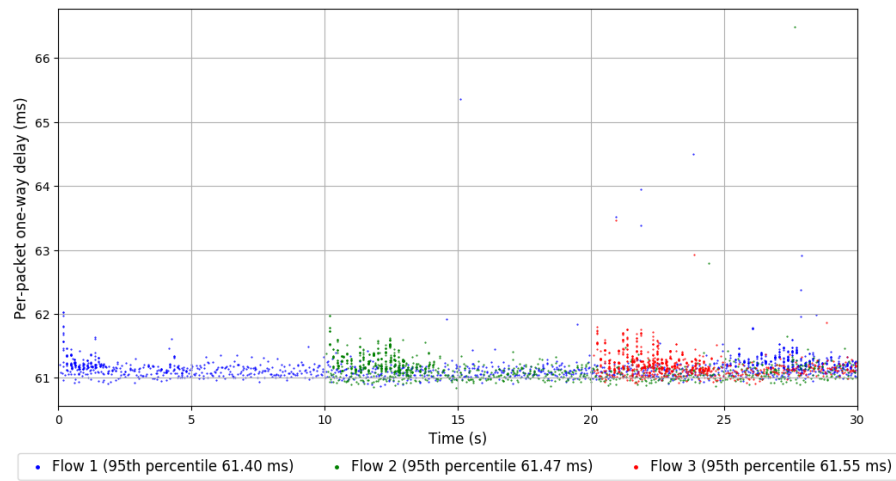
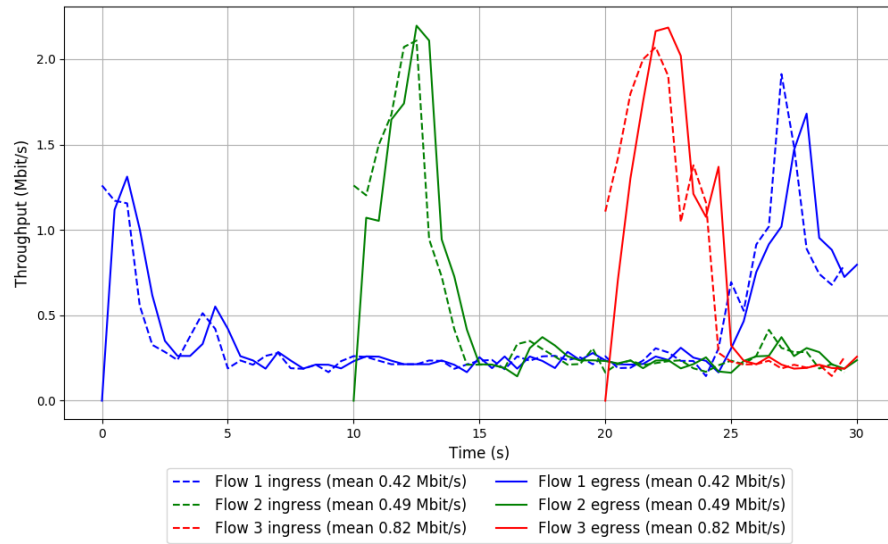


Run 3: Statistics of Sprout

Start at: 2018-06-30 16:48:10
End at: 2018-06-30 16:48:40
Local clock offset: -0.063 ms
Remote clock offset: -0.093 ms

```
# Below is generated by plot.py at 2018-06-30 21:39:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 61.466 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 61.404 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 61.466 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.82 Mbit/s
95th percentile per-packet one-way delay: 61.554 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

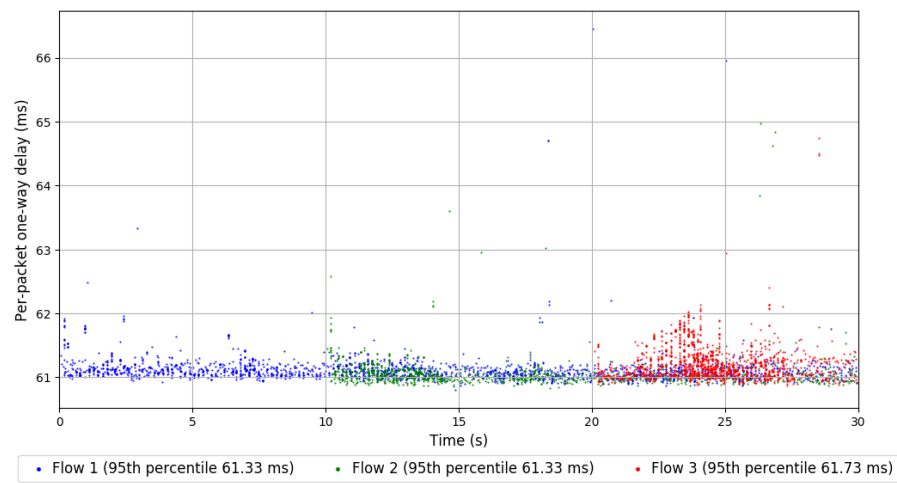
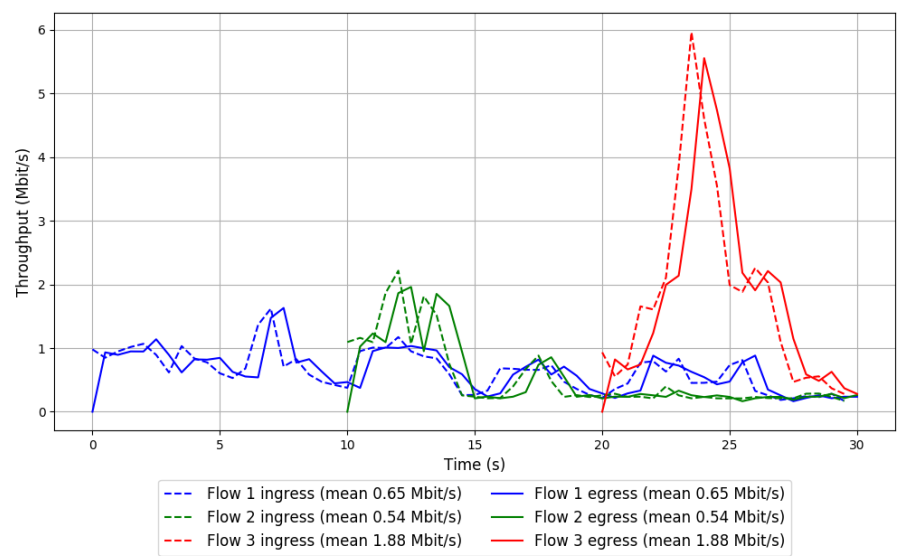


Run 4: Statistics of Sprout

Start at: 2018-06-30 17:11:51
End at: 2018-06-30 17:12:21
Local clock offset: -0.096 ms
Remote clock offset: -0.031 ms

```
# Below is generated by plot.py at 2018-06-30 21:39:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 61.548 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 61.325 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 61.328 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 61.730 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

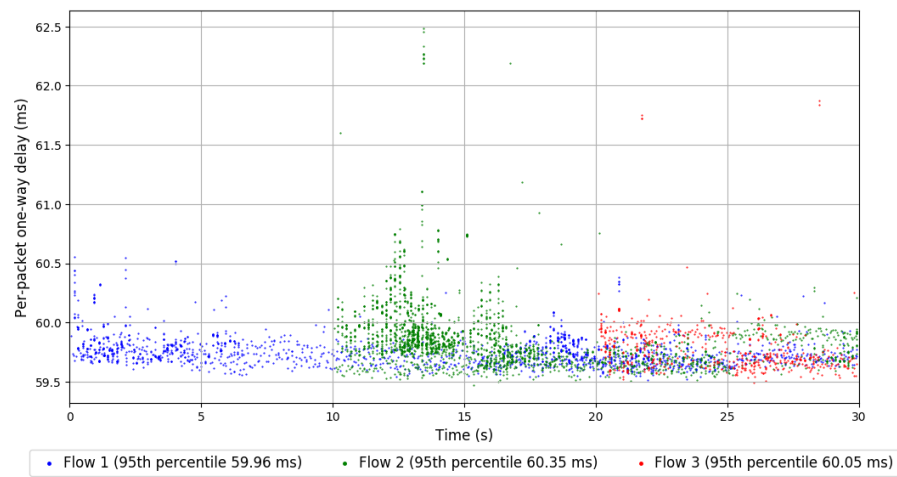
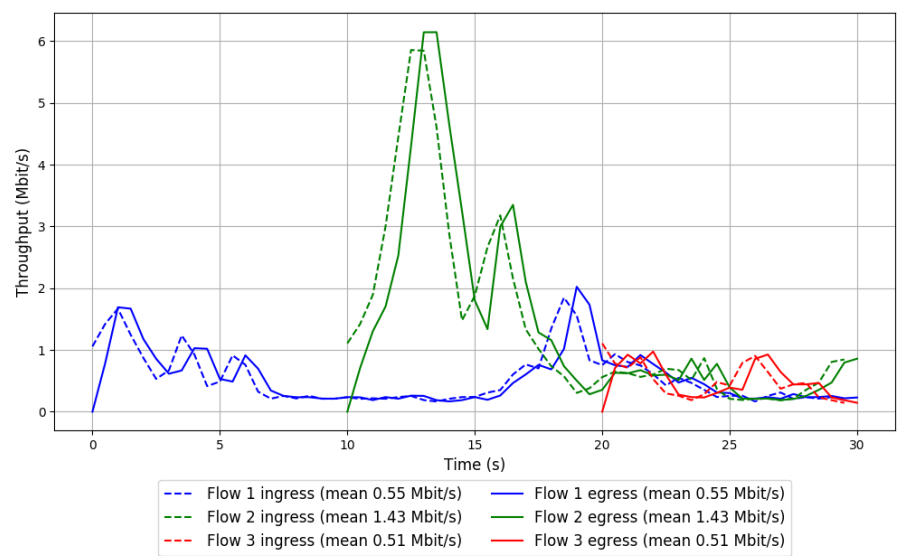


Run 5: Statistics of Sprout

Start at: 2018-06-30 17:35:31
End at: 2018-06-30 17:36:01
Local clock offset: 0.116 ms
Remote clock offset: -1.4 ms

Below is generated by plot.py at 2018-06-30 21:39:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 60.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 59.959 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 60.350 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 60.049 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-06-30 17:59:06

End at: 2018-06-30 17:59:36

Local clock offset: 0.221 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-06-30 21:39:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.03 Mbit/s

95th percentile per-packet one-way delay: 62.282 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.15 Mbit/s

95th percentile per-packet one-way delay: 61.993 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.97 Mbit/s

95th percentile per-packet one-way delay: 62.503 ms

Loss rate: 0.00%

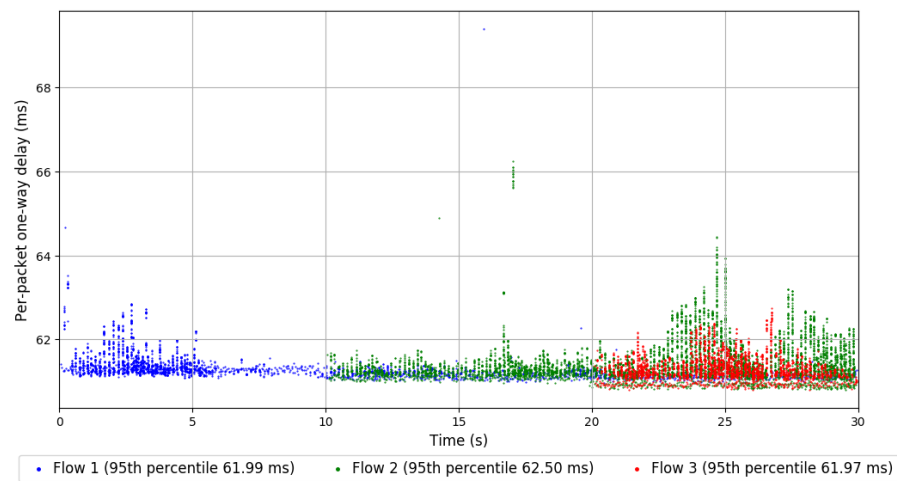
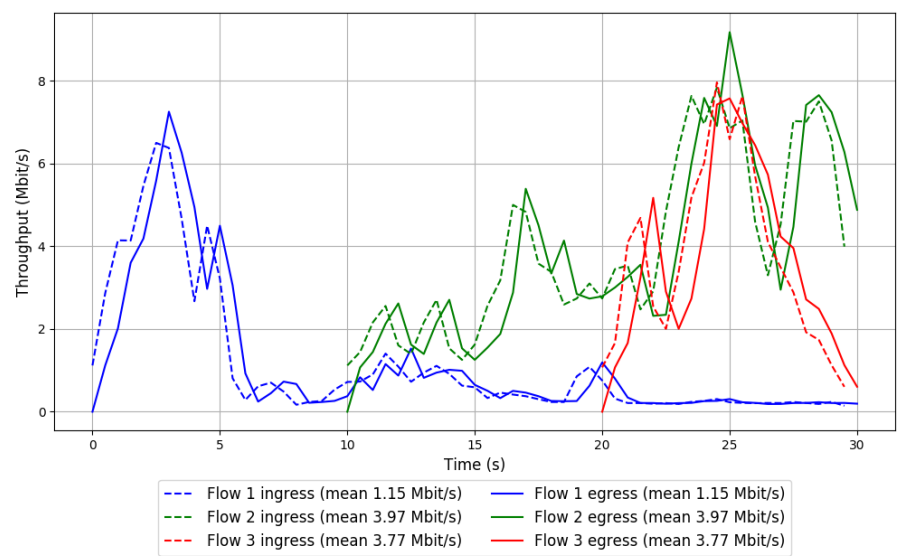
-- Flow 3:

Average throughput: 3.77 Mbit/s

95th percentile per-packet one-way delay: 61.966 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

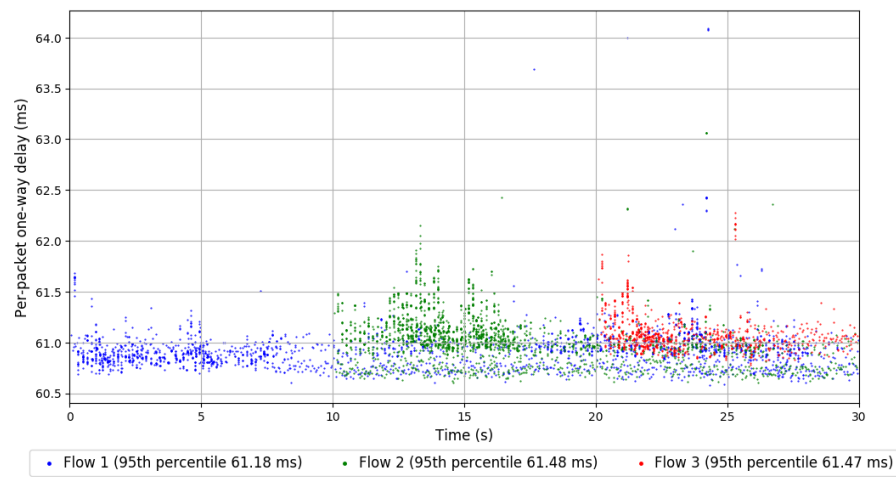
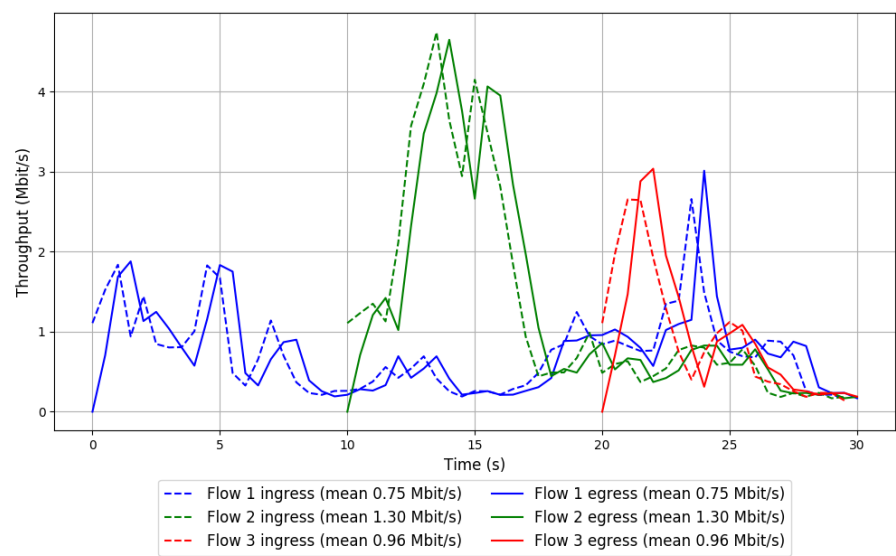


Run 7: Statistics of Sprout

Start at: 2018-06-30 18:22:59
End at: 2018-06-30 18:23:29
Local clock offset: 0.198 ms
Remote clock offset: -0.15 ms

```
# Below is generated by plot.py at 2018-06-30 21:39:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 61.399 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 61.183 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 61.475 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 61.472 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link

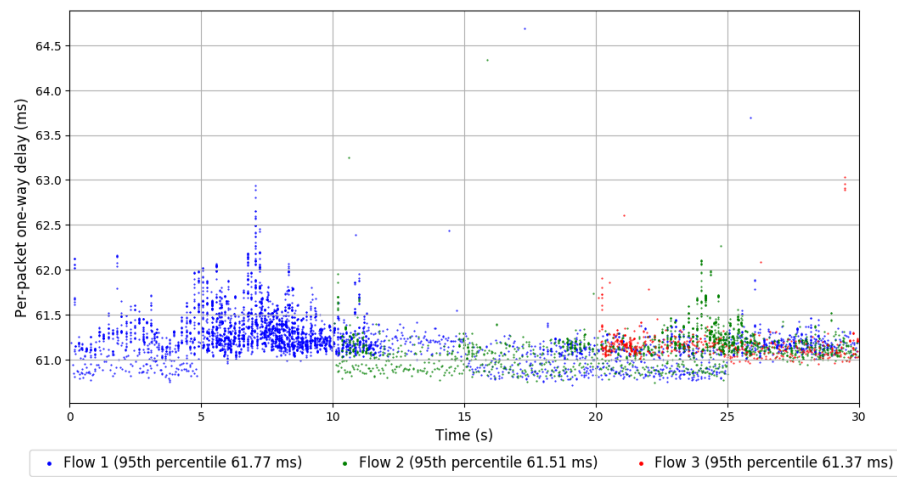
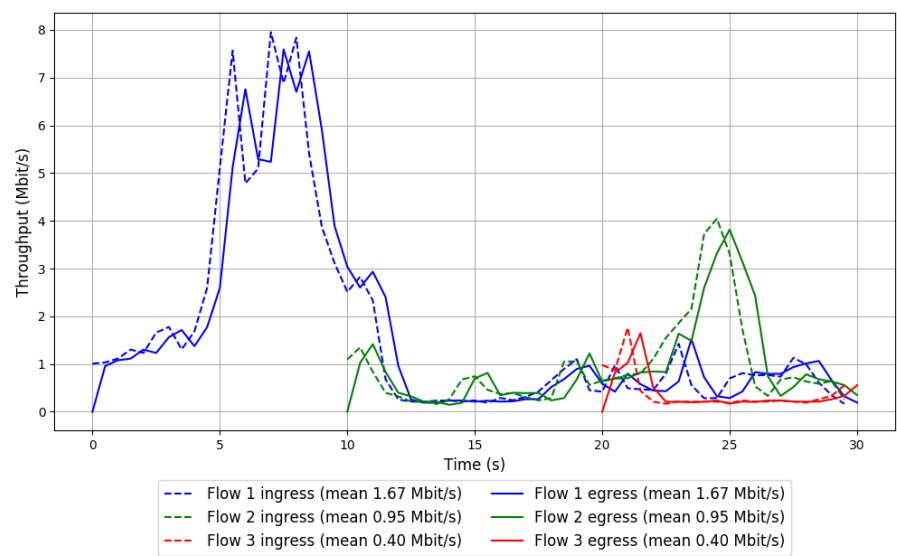


Run 8: Statistics of Sprout

Start at: 2018-06-30 18:46:41
End at: 2018-06-30 18:47:11
Local clock offset: -0.049 ms
Remote clock offset: -0.041 ms

```
# Below is generated by plot.py at 2018-06-30 21:39:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 61.694 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 61.769 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 61.513 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 61.365 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

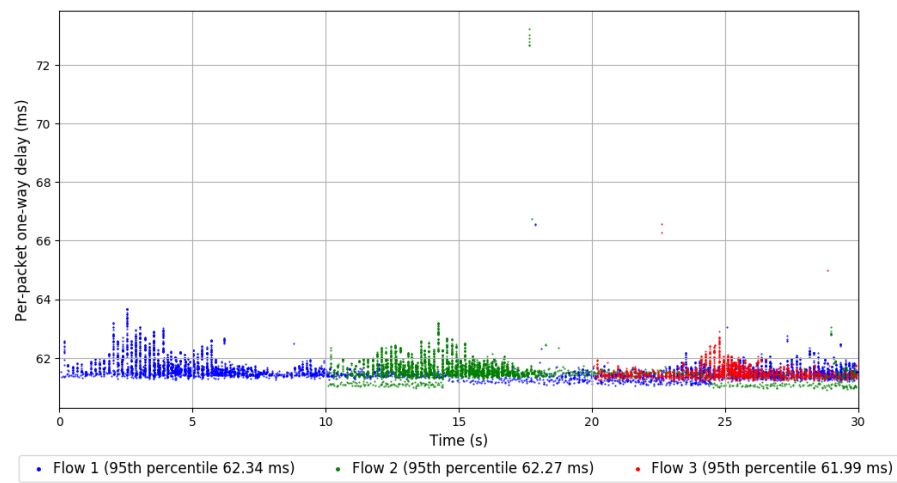
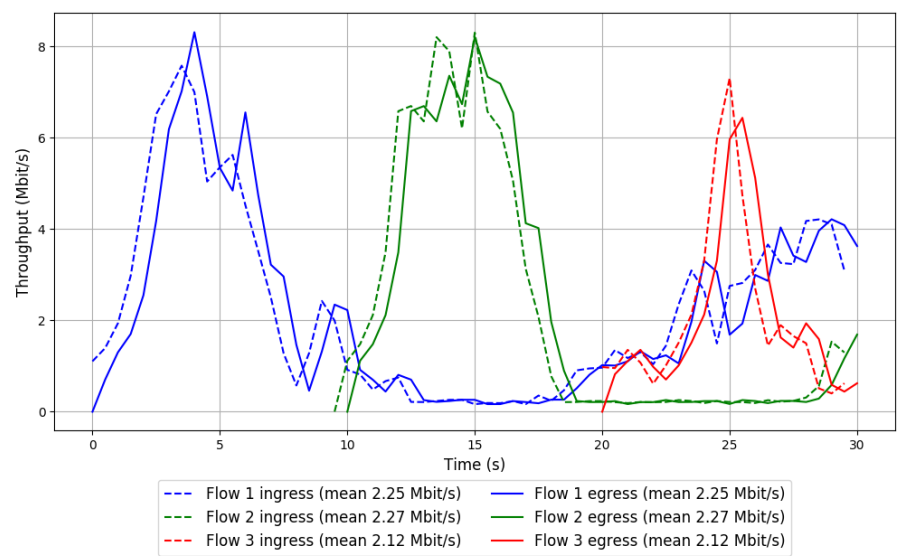


Run 9: Statistics of Sprout

Start at: 2018-06-30 19:10:12
End at: 2018-06-30 19:10:42
Local clock offset: -0.046 ms
Remote clock offset: 0.206 ms

Below is generated by plot.py at 2018-06-30 21:39:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 62.268 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 62.340 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 62.267 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 61.993 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

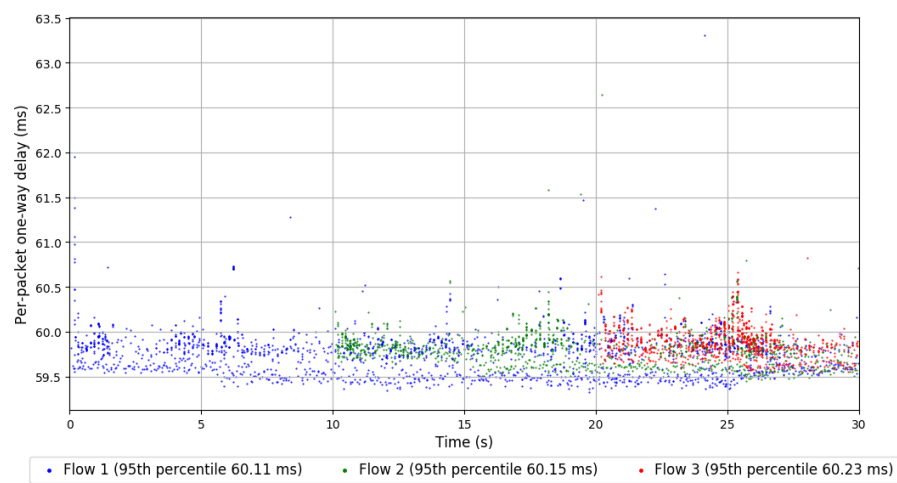
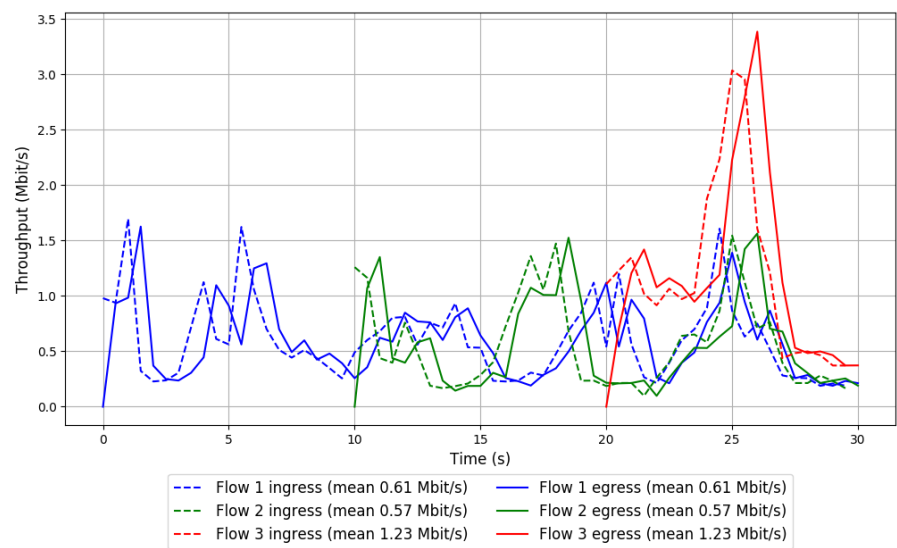


Run 10: Statistics of Sprout

Start at: 2018-06-30 19:34:31
End at: 2018-06-30 19:35:01
Local clock offset: 0.024 ms
Remote clock offset: -1.349 ms

Below is generated by plot.py at 2018-06-30 21:39:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 60.167 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 60.113 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 60.153 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 60.234 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

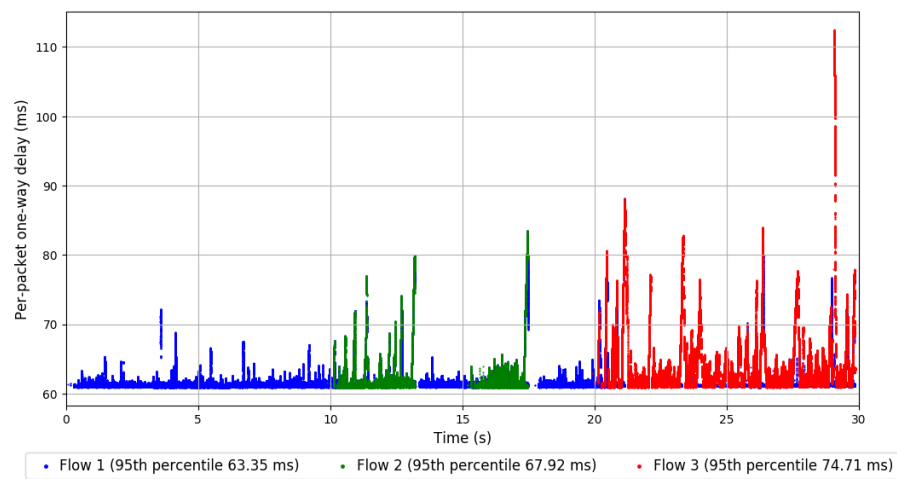
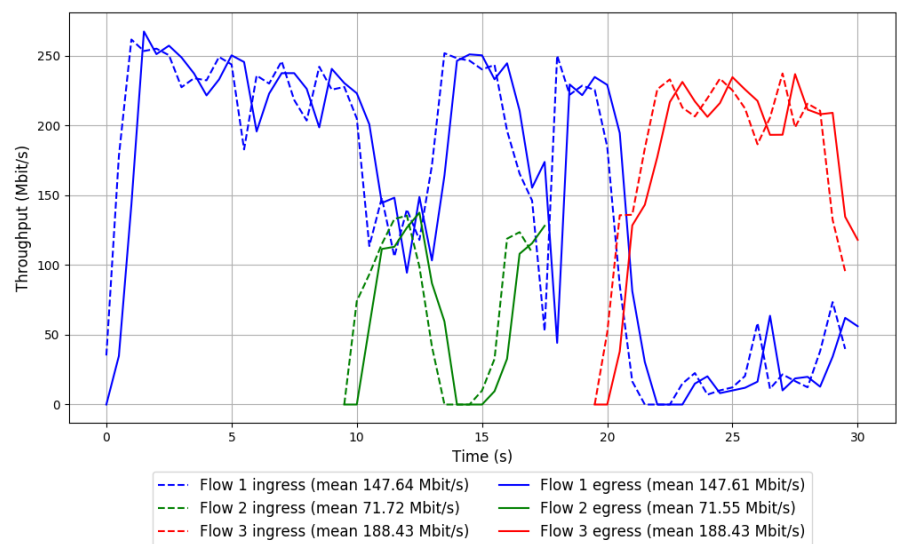


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-06-30 16:05:53
End at: 2018-06-30 16:06:23
Local clock offset: -0.305 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2018-06-30 21:39:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 228.79 Mbit/s
95th percentile per-packet one-way delay: 68.495 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 147.61 Mbit/s
95th percentile per-packet one-way delay: 63.351 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 71.55 Mbit/s
95th percentile per-packet one-way delay: 67.919 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 188.43 Mbit/s
95th percentile per-packet one-way delay: 74.707 ms
Loss rate: 0.02%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-30 16:29:16

End at: 2018-06-30 16:29:46

Local clock offset: 0.205 ms

Remote clock offset: -0.26 ms

Below is generated by plot.py at 2018-06-30 21:39:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 188.66 Mbit/s

95th percentile per-packet one-way delay: 64.549 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 151.68 Mbit/s

95th percentile per-packet one-way delay: 62.897 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.25 Mbit/s

95th percentile per-packet one-way delay: 74.132 ms

Loss rate: 0.00%

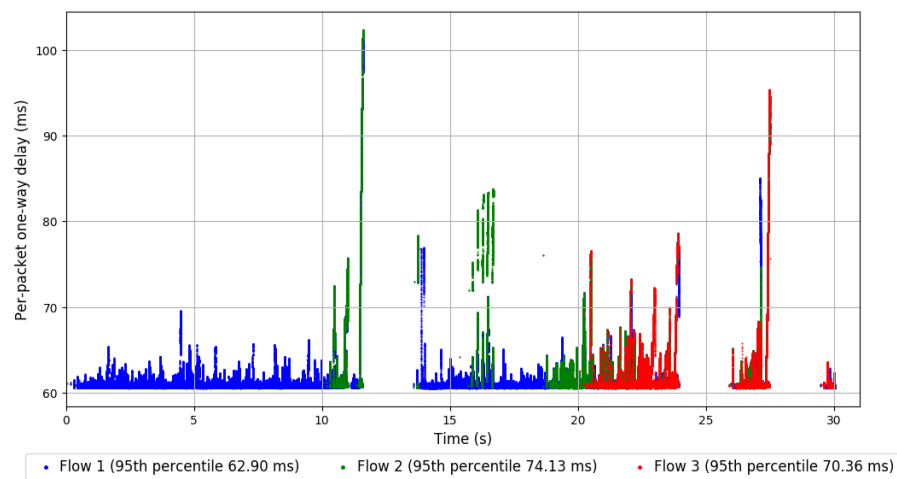
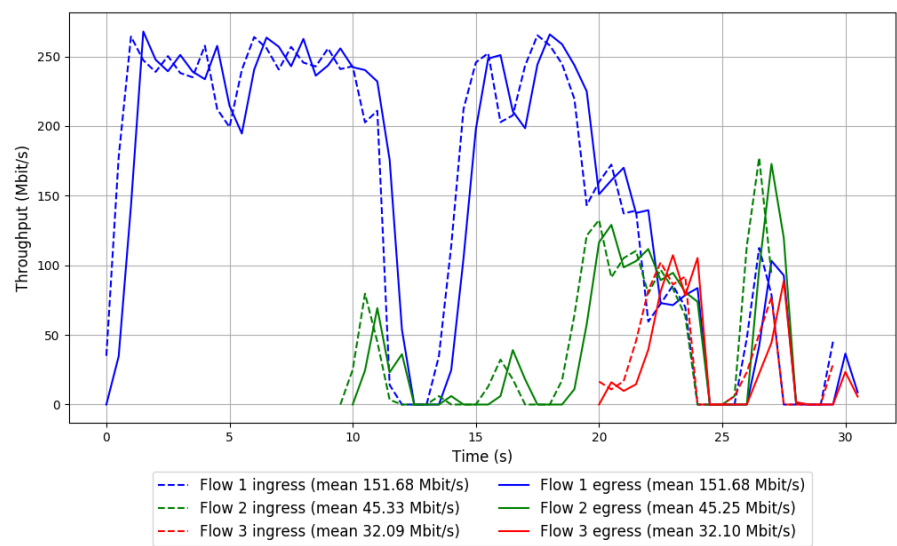
-- Flow 3:

Average throughput: 32.10 Mbit/s

95th percentile per-packet one-way delay: 70.355 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-30 16:53:04

End at: 2018-06-30 16:53:34

Local clock offset: -0.084 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2018-06-30 21:39:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 228.33 Mbit/s

95th percentile per-packet one-way delay: 65.177 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 139.37 Mbit/s

95th percentile per-packet one-way delay: 63.400 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 99.82 Mbit/s

95th percentile per-packet one-way delay: 65.927 ms

Loss rate: 0.00%

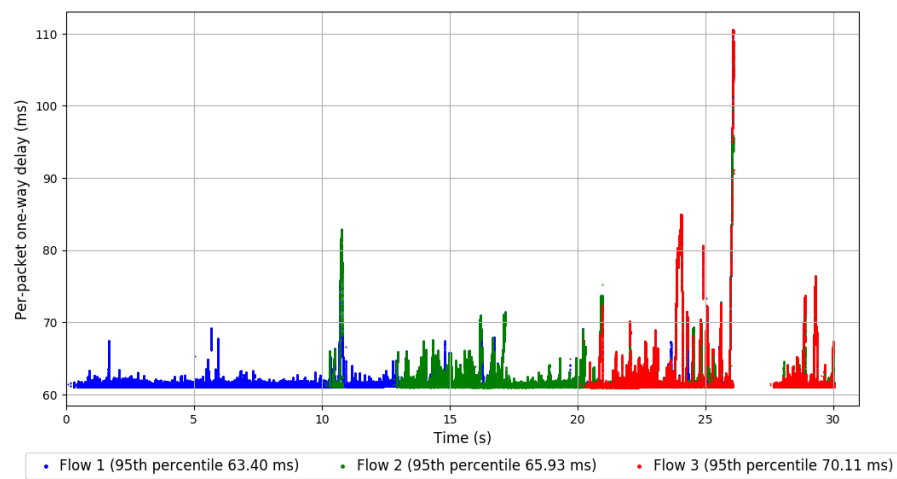
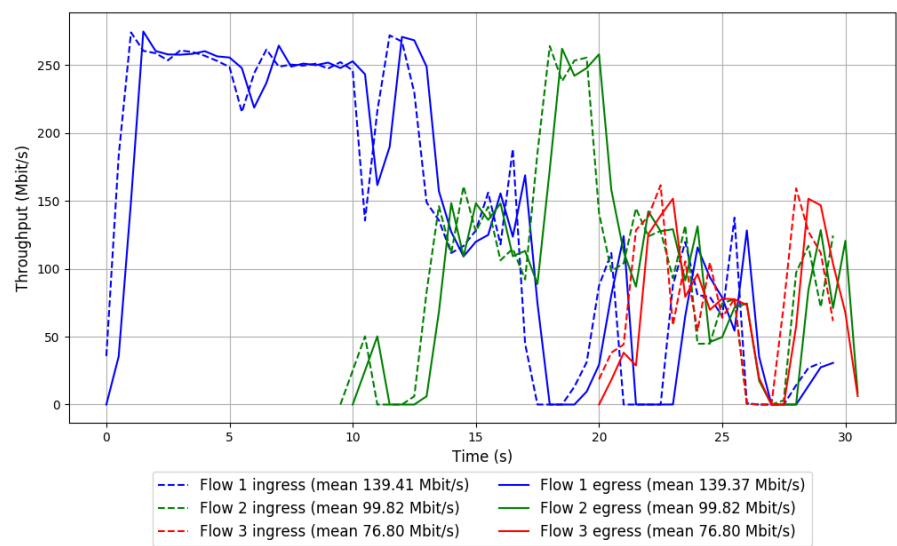
-- Flow 3:

Average throughput: 76.80 Mbit/s

95th percentile per-packet one-way delay: 70.112 ms

Loss rate: 0.00%

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

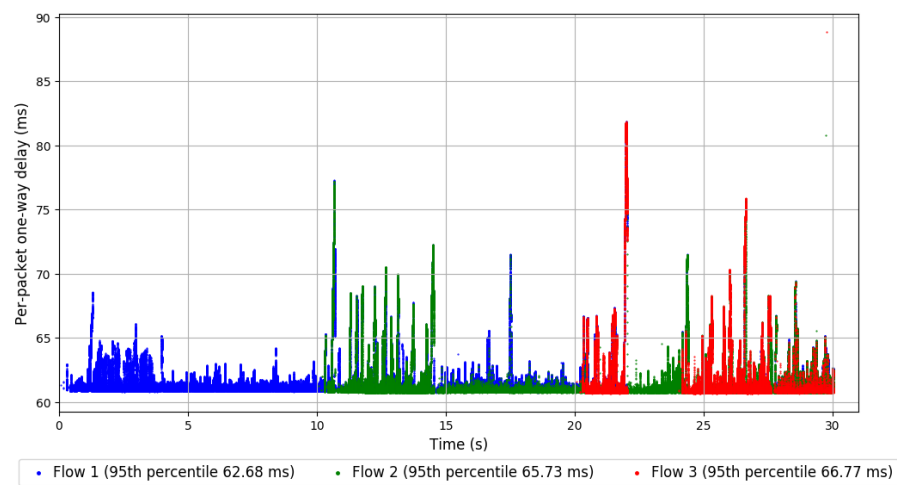
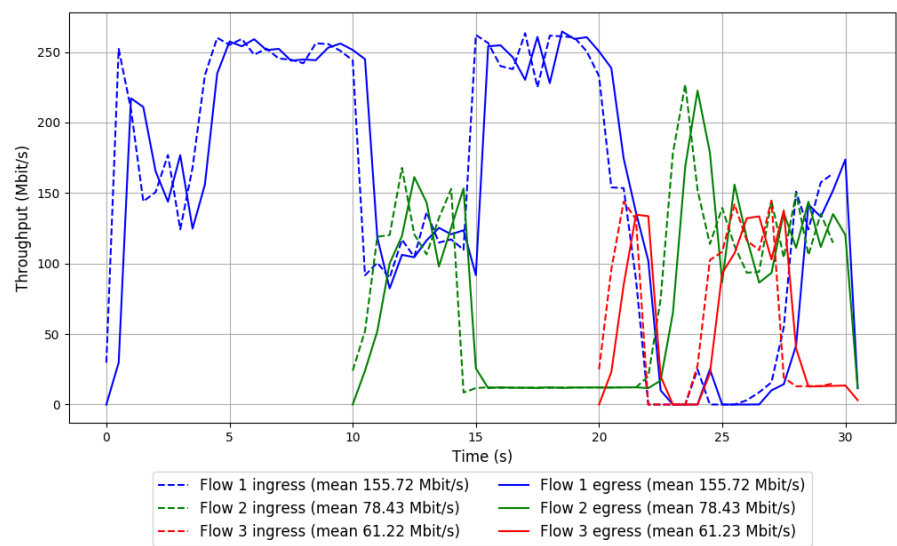


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-30 17:16:45
End at: 2018-06-30 17:17:15
Local clock offset: -0.015 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-06-30 21:39:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 228.33 Mbit/s
95th percentile per-packet one-way delay: 63.987 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.72 Mbit/s
95th percentile per-packet one-way delay: 62.680 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 78.43 Mbit/s
95th percentile per-packet one-way delay: 65.726 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 61.23 Mbit/s
95th percentile per-packet one-way delay: 66.769 ms
Loss rate: 0.00%

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

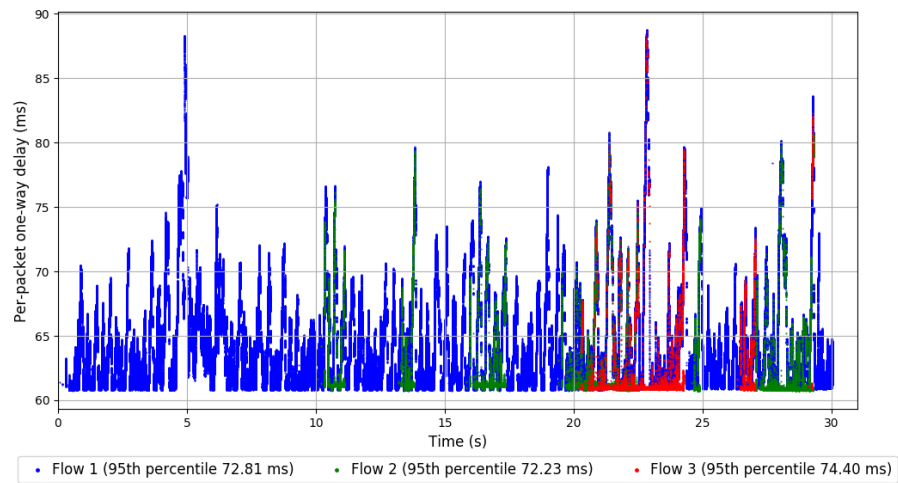
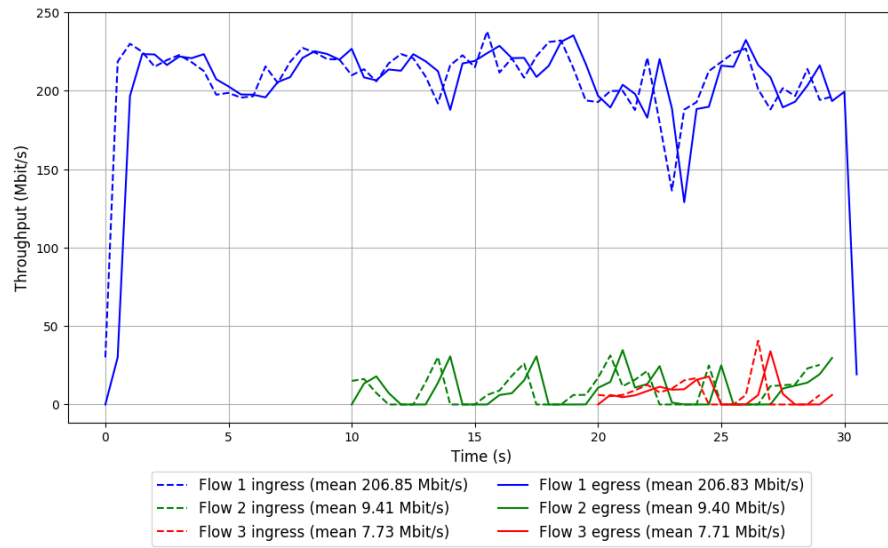


Run 5: Statistics of TaoVA-100x

Start at: 2018-06-30 17:40:25
End at: 2018-06-30 17:40:55
Local clock offset: 0.136 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-06-30 21:40:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 215.22 Mbit/s
95th percentile per-packet one-way delay: 72.794 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 206.83 Mbit/s
95th percentile per-packet one-way delay: 72.810 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 9.40 Mbit/s
95th percentile per-packet one-way delay: 72.227 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 74.401 ms
Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-30 18:04:02

End at: 2018-06-30 18:04:32

Local clock offset: 0.226 ms

Remote clock offset: 1.461 ms

Below is generated by plot.py at 2018-06-30 21:41:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 224.67 Mbit/s

95th percentile per-packet one-way delay: 64.303 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 171.94 Mbit/s

95th percentile per-packet one-way delay: 63.293 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 62.21 Mbit/s

95th percentile per-packet one-way delay: 72.576 ms

Loss rate: 0.00%

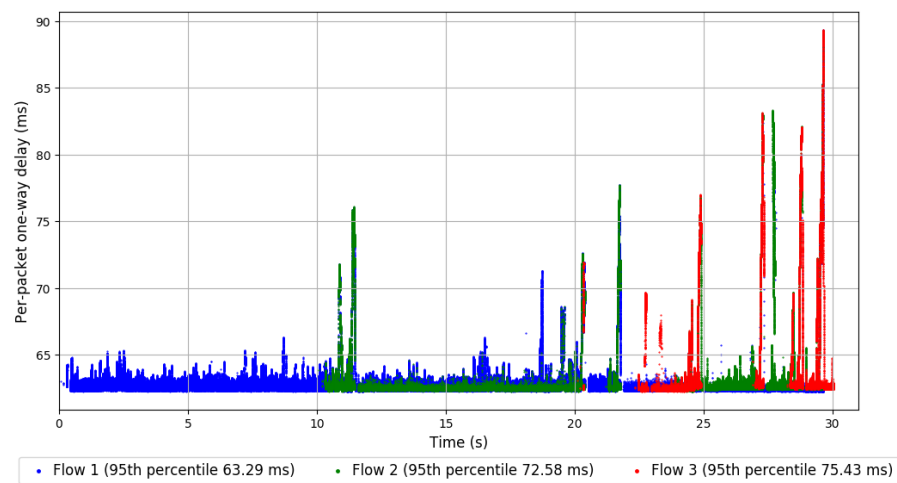
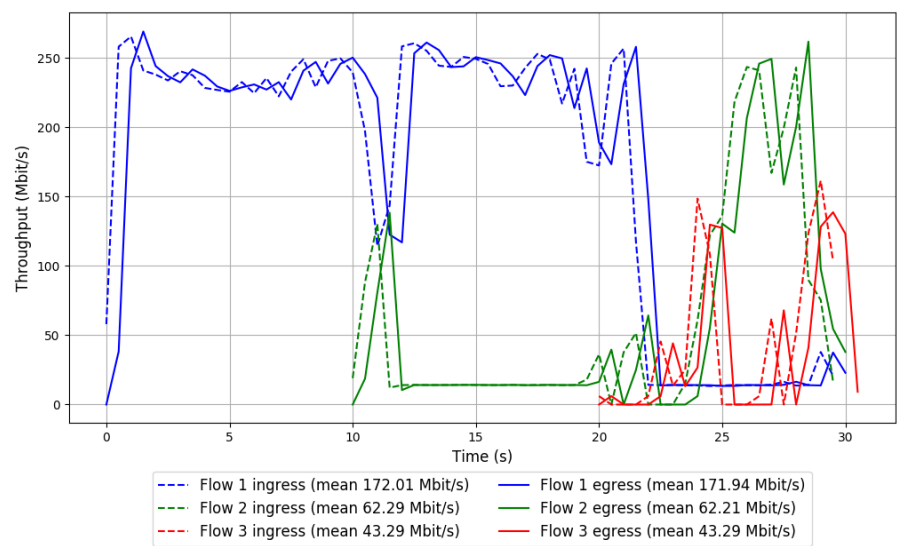
-- Flow 3:

Average throughput: 43.29 Mbit/s

95th percentile per-packet one-way delay: 75.433 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-06-30 18:27:54

End at: 2018-06-30 18:28:24

Local clock offset: 0.129 ms

Remote clock offset: 1.115 ms

Below is generated by plot.py at 2018-06-30 21:41:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 204.33 Mbit/s

95th percentile per-packet one-way delay: 64.914 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 164.60 Mbit/s

95th percentile per-packet one-way delay: 63.915 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 108.27 Mbit/s

95th percentile per-packet one-way delay: 72.819 ms

Loss rate: 0.00%

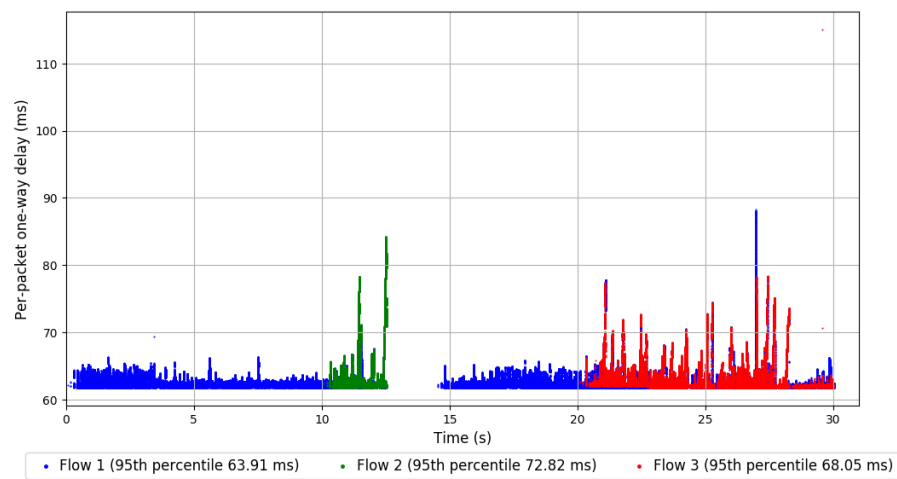
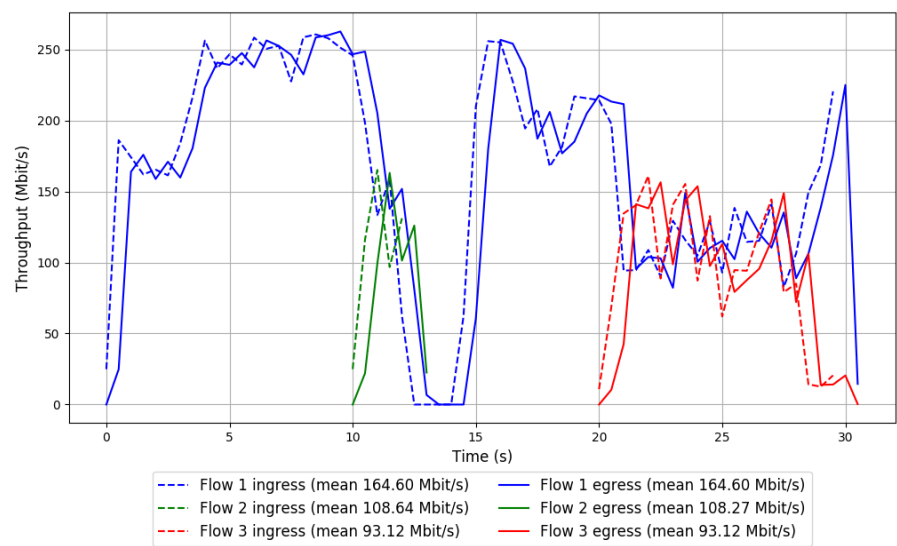
-- Flow 3:

Average throughput: 93.12 Mbit/s

95th percentile per-packet one-way delay: 68.053 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-30 18:51:36

End at: 2018-06-30 18:52:06

Local clock offset: -0.047 ms

Remote clock offset: 1.236 ms

Below is generated by plot.py at 2018-06-30 21:46:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 223.20 Mbit/s

95th percentile per-packet one-way delay: 63.839 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 98.90 Mbit/s

95th percentile per-packet one-way delay: 63.888 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 179.67 Mbit/s

95th percentile per-packet one-way delay: 63.693 ms

Loss rate: 0.01%

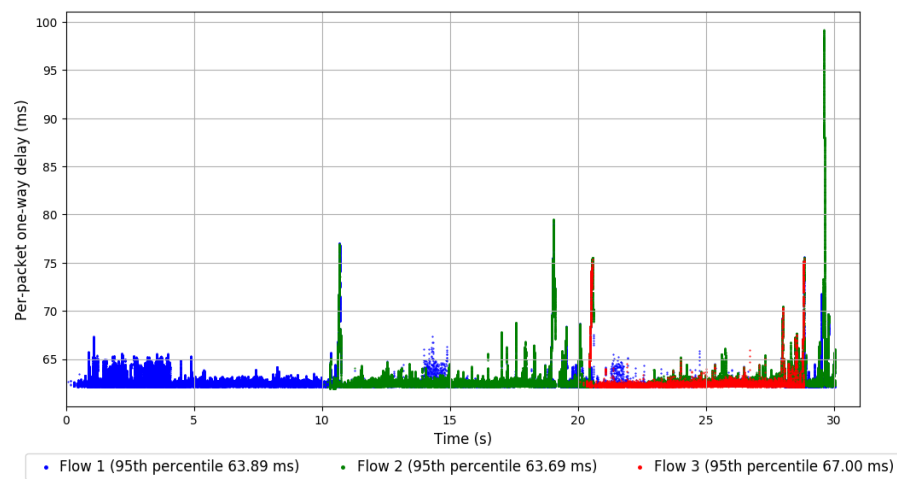
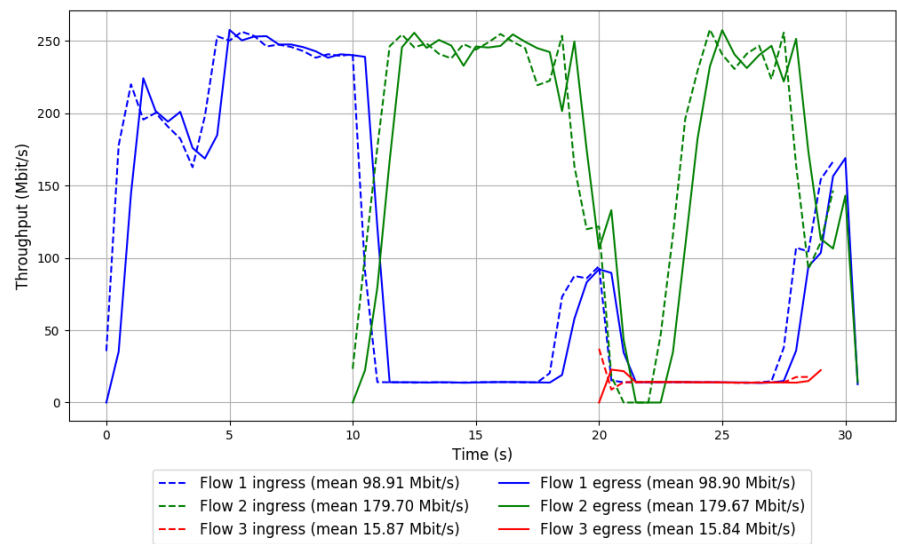
-- Flow 3:

Average throughput: 15.84 Mbit/s

95th percentile per-packet one-way delay: 67.004 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-30 19:15:13

End at: 2018-06-30 19:15:43

Local clock offset: -0.025 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-06-30 21:47:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 232.49 Mbit/s

95th percentile per-packet one-way delay: 64.755 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 125.60 Mbit/s

95th percentile per-packet one-way delay: 63.722 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 121.09 Mbit/s

95th percentile per-packet one-way delay: 65.240 ms

Loss rate: 0.05%

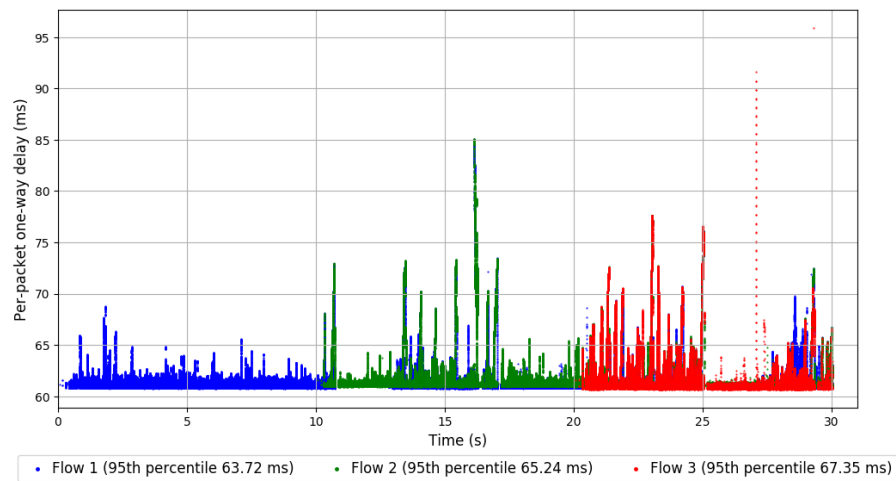
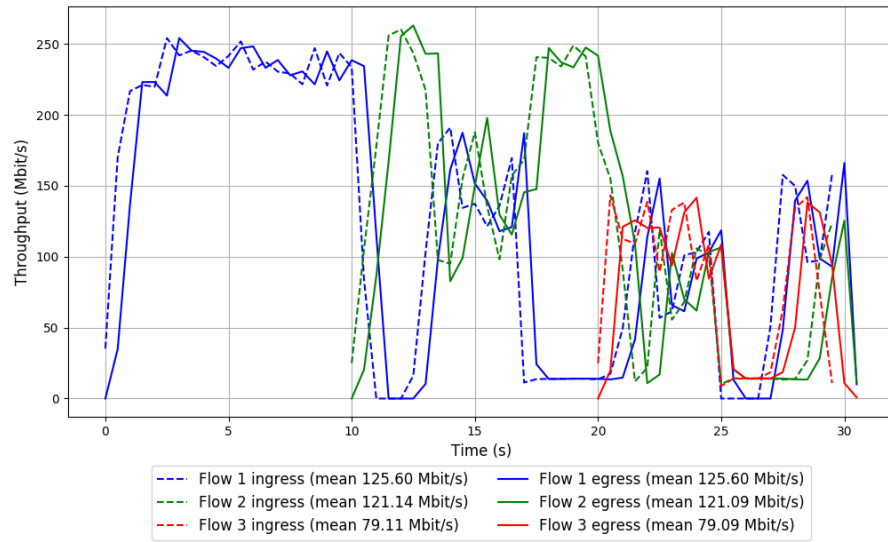
-- Flow 3:

Average throughput: 79.09 Mbit/s

95th percentile per-packet one-way delay: 67.353 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-30 19:39:40

End at: 2018-06-30 19:40:10

Local clock offset: 0.043 ms

Remote clock offset: 0.387 ms

Below is generated by plot.py at 2018-06-30 21:48:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 244.20 Mbit/s

95th percentile per-packet one-way delay: 65.270 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 155.96 Mbit/s

95th percentile per-packet one-way delay: 64.219 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 89.35 Mbit/s

95th percentile per-packet one-way delay: 66.475 ms

Loss rate: 0.00%

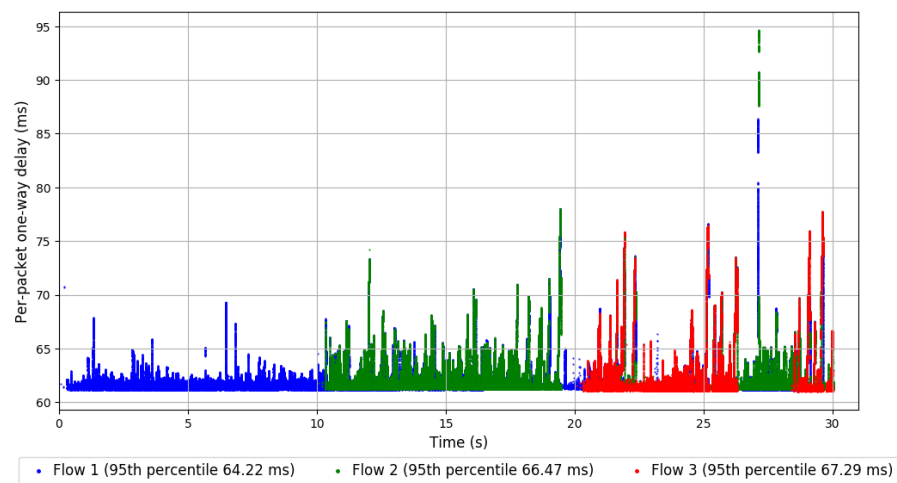
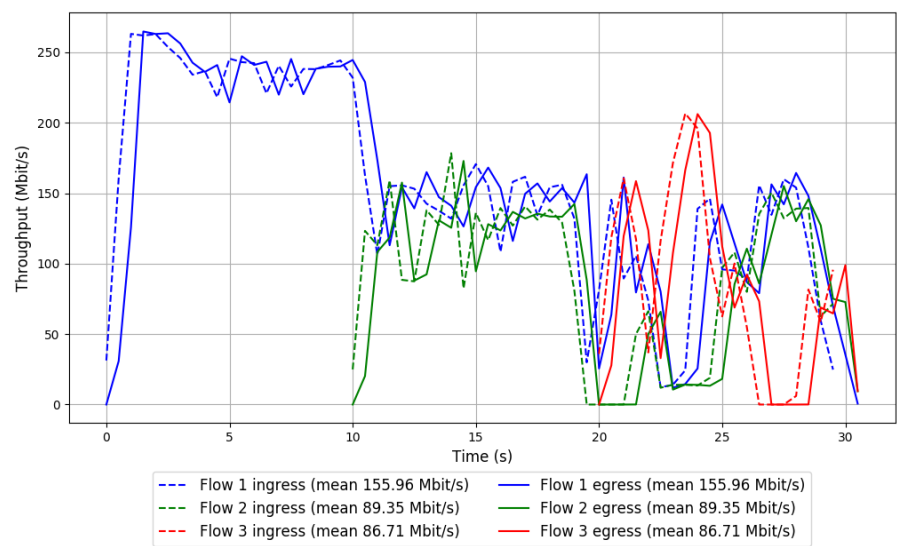
-- Flow 3:

Average throughput: 86.71 Mbit/s

95th percentile per-packet one-way delay: 67.290 ms

Loss rate: 0.00%

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

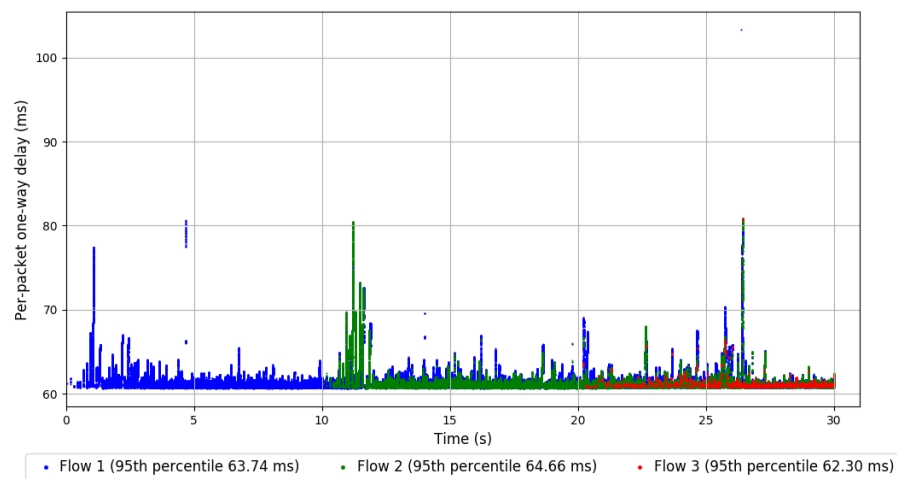
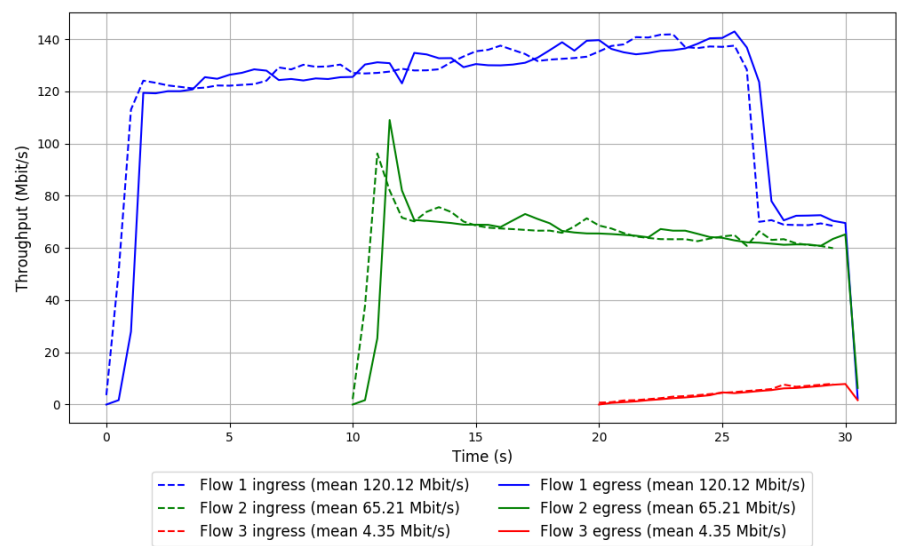


Run 1: Statistics of TCP Vegas

Start at: 2018-06-30 16:14:25
End at: 2018-06-30 16:14:55
Local clock offset: -0.016 ms
Remote clock offset: -0.215 ms

Below is generated by plot.py at 2018-06-30 21:48:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 164.92 Mbit/s
95th percentile per-packet one-way delay: 63.900 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 120.12 Mbit/s
95th percentile per-packet one-way delay: 63.740 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.21 Mbit/s
95th percentile per-packet one-way delay: 64.656 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 62.305 ms
Loss rate: 0.11%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-06-30 16:38:02

End at: 2018-06-30 16:38:32

Local clock offset: 0.175 ms

Remote clock offset: 1.194 ms

Below is generated by plot.py at 2018-06-30 21:48:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 230.92 Mbit/s

95th percentile per-packet one-way delay: 78.582 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 184.00 Mbit/s

95th percentile per-packet one-way delay: 79.105 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 6.35 Mbit/s

95th percentile per-packet one-way delay: 76.657 ms

Loss rate: 0.34%

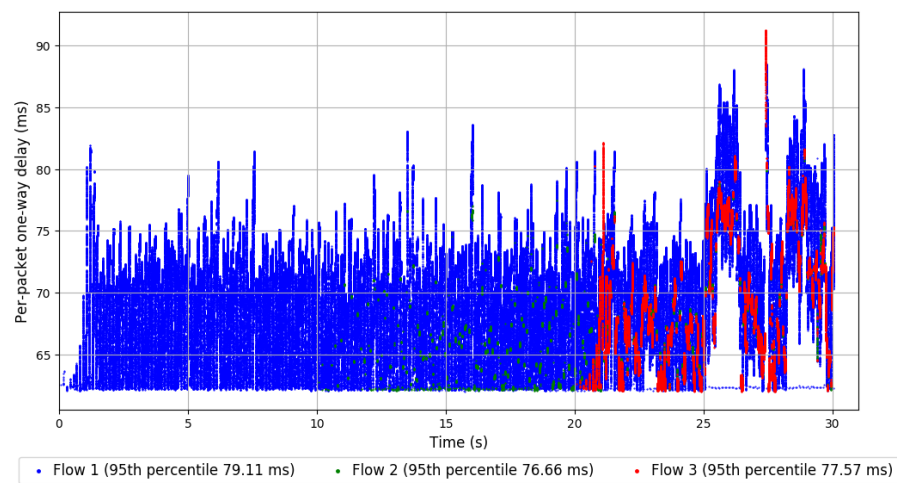
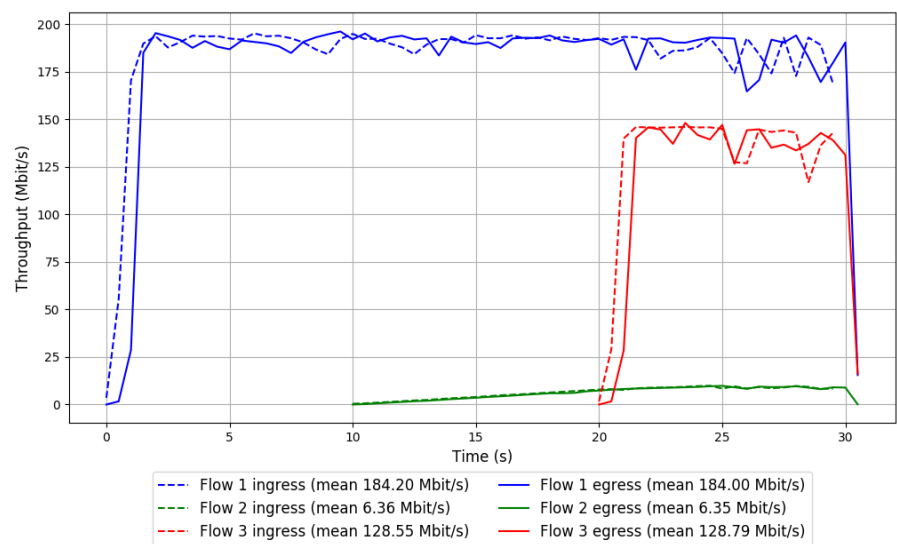
-- Flow 3:

Average throughput: 128.79 Mbit/s

95th percentile per-packet one-way delay: 77.567 ms

Loss rate: 0.02%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-06-30 17:01:56

End at: 2018-06-30 17:02:26

Local clock offset: -0.094 ms

Remote clock offset: 0.244 ms

Below is generated by plot.py at 2018-06-30 21:48:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 238.38 Mbit/s

95th percentile per-packet one-way delay: 67.337 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 146.25 Mbit/s

95th percentile per-packet one-way delay: 66.679 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 120.29 Mbit/s

95th percentile per-packet one-way delay: 68.022 ms

Loss rate: 0.00%

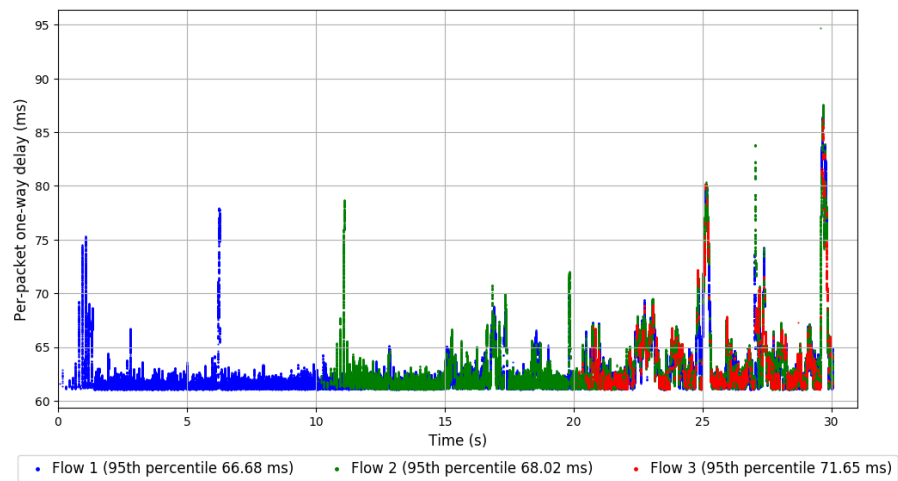
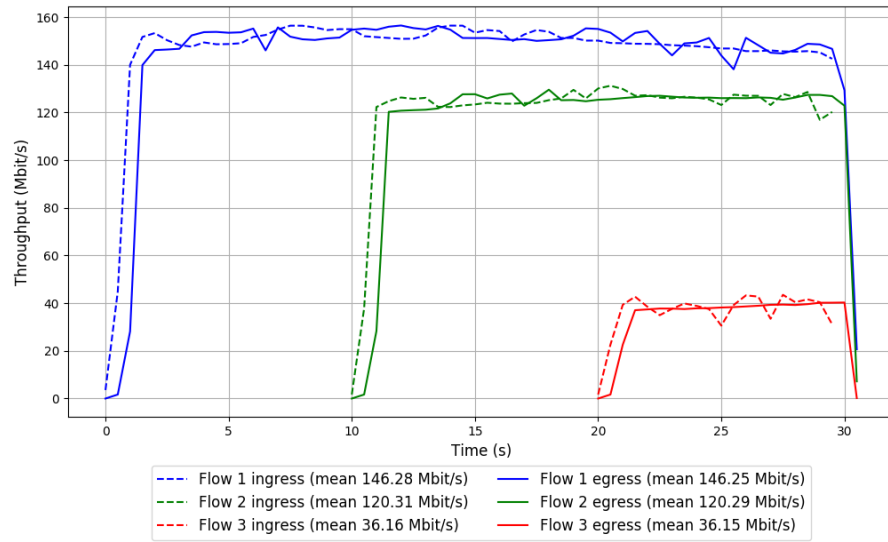
-- Flow 3:

Average throughput: 36.15 Mbit/s

95th percentile per-packet one-way delay: 71.646 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-06-30 17:25:33

End at: 2018-06-30 17:26:03

Local clock offset: 0.05 ms

Remote clock offset: 1.387 ms

Below is generated by plot.py at 2018-06-30 21:48:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 194.57 Mbit/s

95th percentile per-packet one-way delay: 76.669 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 185.45 Mbit/s

95th percentile per-packet one-way delay: 76.744 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 6.26 Mbit/s

95th percentile per-packet one-way delay: 74.456 ms

Loss rate: 0.10%

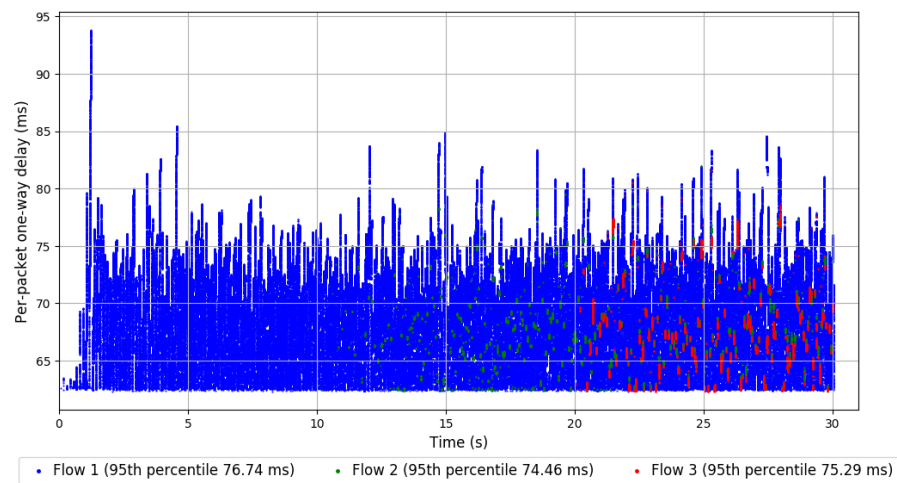
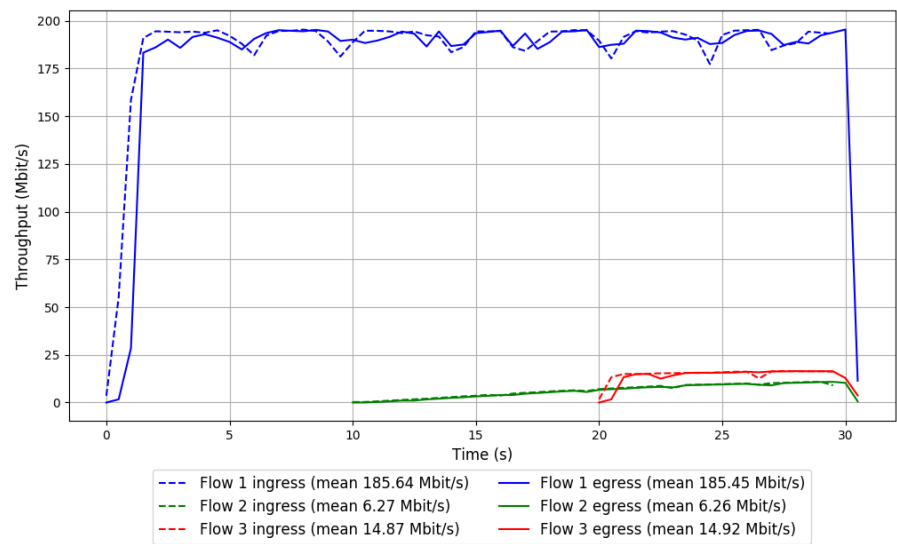
-- Flow 3:

Average throughput: 14.92 Mbit/s

95th percentile per-packet one-way delay: 75.289 ms

Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link

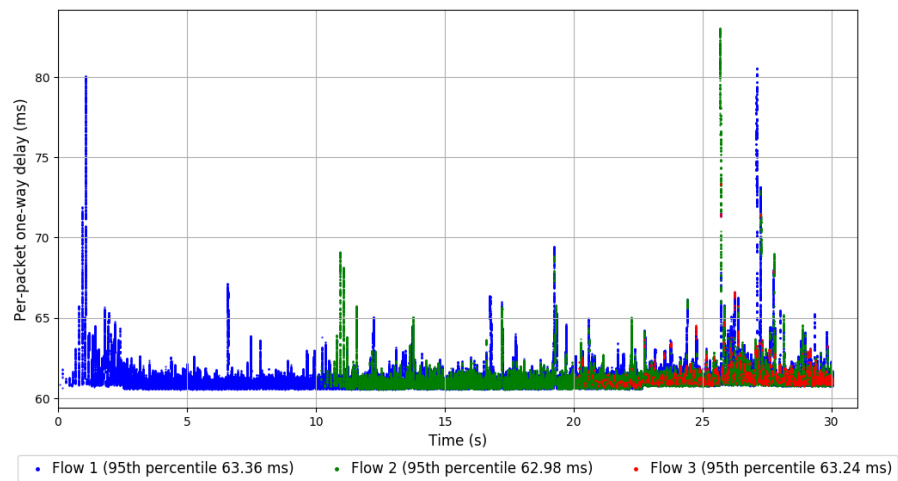
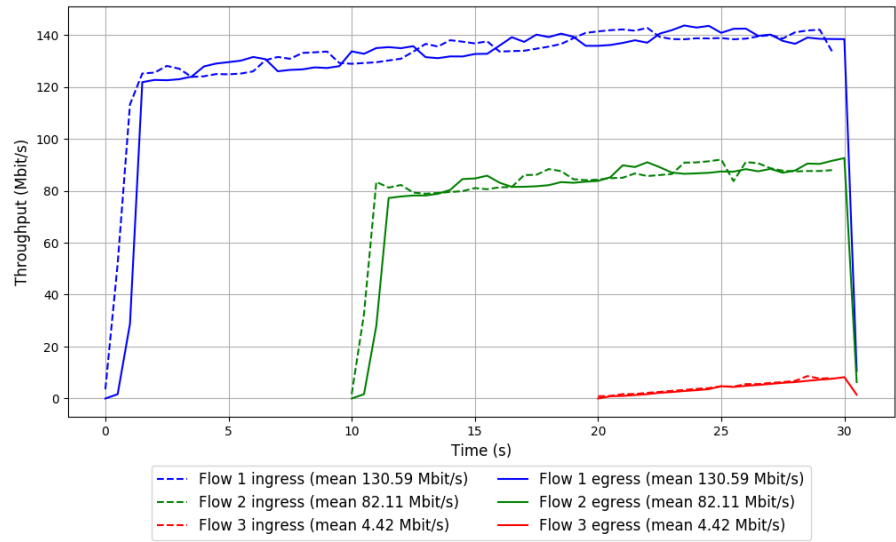


Run 5: Statistics of TCP Vegas

Start at: 2018-06-30 17:49:04
End at: 2018-06-30 17:49:34
Local clock offset: 0.188 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-06-30 21:48:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 186.66 Mbit/s
95th percentile per-packet one-way delay: 63.272 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 130.59 Mbit/s
95th percentile per-packet one-way delay: 63.360 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 82.11 Mbit/s
95th percentile per-packet one-way delay: 62.983 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 63.243 ms
Loss rate: 0.03%

Run 5: Report of TCP Vegas — Data Link

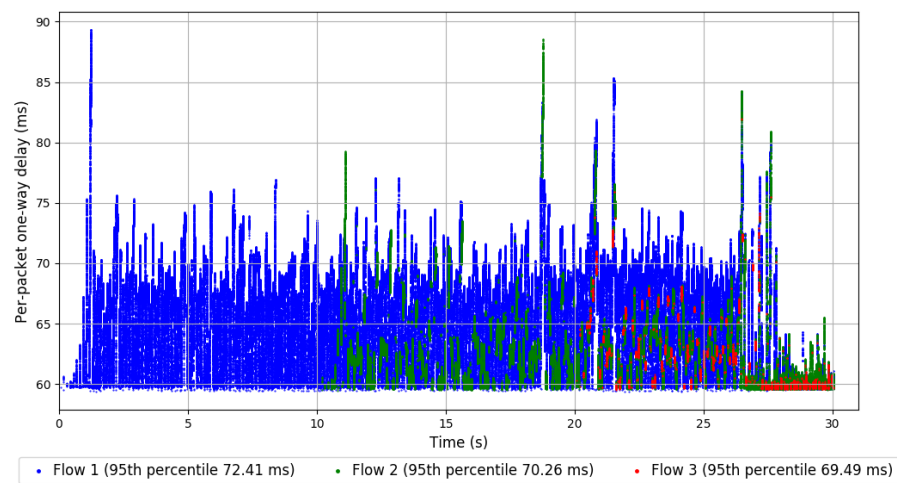
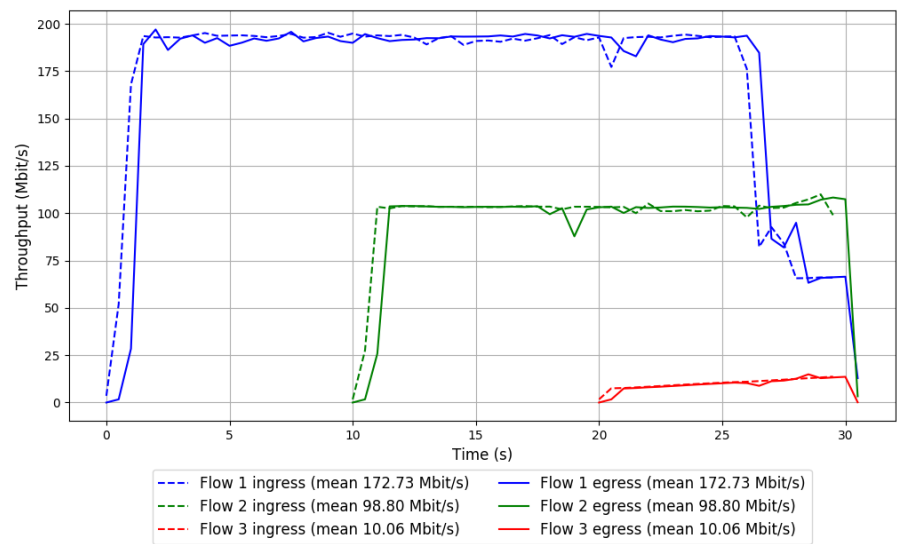


Run 6: Statistics of TCP Vegas

Start at: 2018-06-30 18:12:55
End at: 2018-06-30 18:13:25
Local clock offset: 0.296 ms
Remote clock offset: -1.416 ms

Below is generated by plot.py at 2018-06-30 21:48:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 241.87 Mbit/s
95th percentile per-packet one-way delay: 72.072 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 172.73 Mbit/s
95th percentile per-packet one-way delay: 72.409 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 98.80 Mbit/s
95th percentile per-packet one-way delay: 70.264 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.06 Mbit/s
95th percentile per-packet one-way delay: 69.486 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-06-30 18:36:39

End at: 2018-06-30 18:37:09

Local clock offset: 0.002 ms

Remote clock offset: 1.096 ms

Below is generated by plot.py at 2018-06-30 21:49:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 235.90 Mbit/s

95th percentile per-packet one-way delay: 74.918 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 125.77 Mbit/s

95th percentile per-packet one-way delay: 73.692 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 163.34 Mbit/s

95th percentile per-packet one-way delay: 75.686 ms

Loss rate: 0.00%

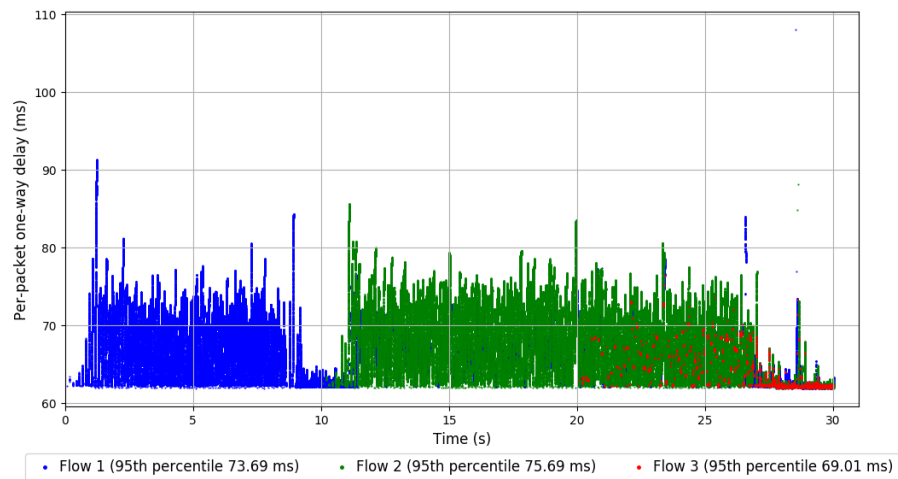
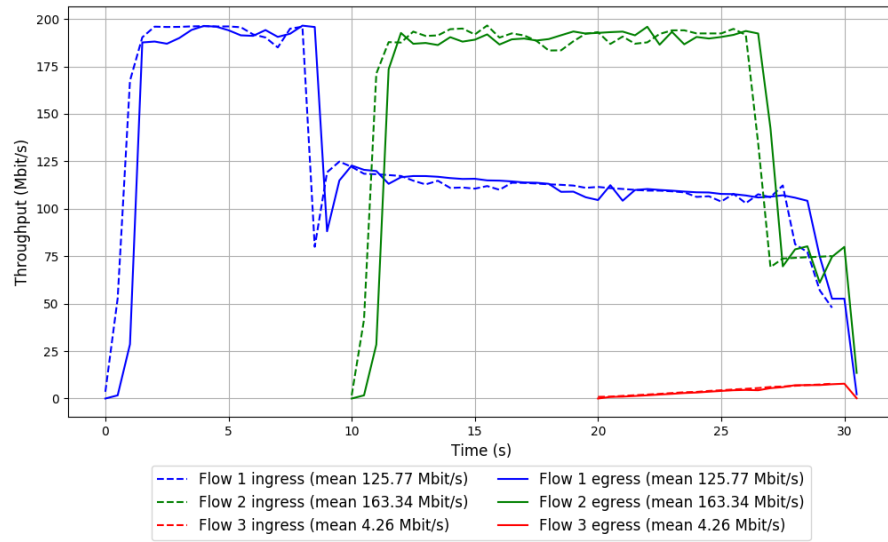
-- Flow 3:

Average throughput: 4.26 Mbit/s

95th percentile per-packet one-way delay: 69.006 ms

Loss rate: 0.03%

Run 7: Report of TCP Vegas — Data Link

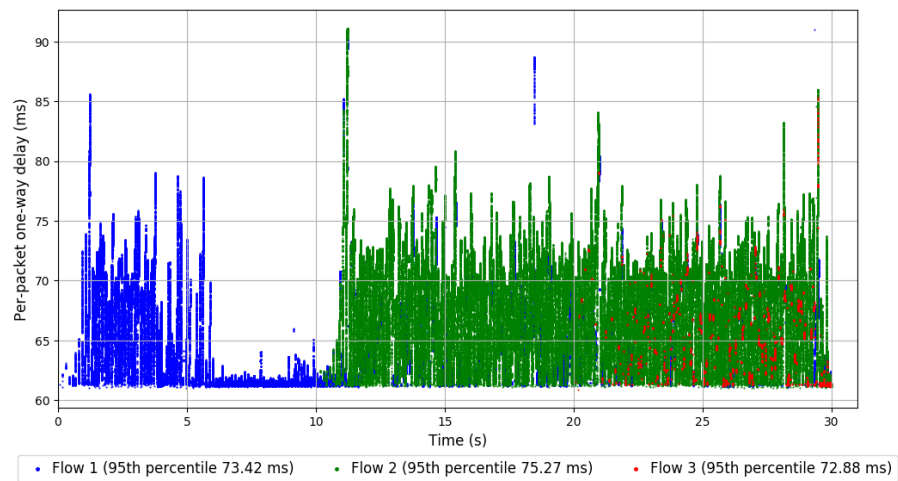
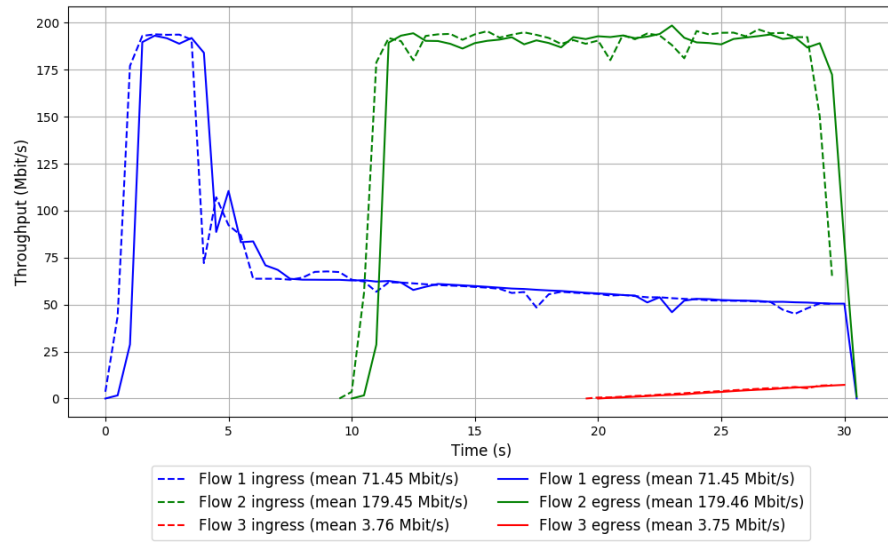


Run 8: Statistics of TCP Vegas

Start at: 2018-06-30 19:00:11
End at: 2018-06-30 19:00:41
Local clock offset: -0.052 ms
Remote clock offset: 0.148 ms

Below is generated by plot.py at 2018-06-30 21:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 192.31 Mbit/s
95th percentile per-packet one-way delay: 74.757 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.45 Mbit/s
95th percentile per-packet one-way delay: 73.423 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 179.46 Mbit/s
95th percentile per-packet one-way delay: 75.269 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.75 Mbit/s
95th percentile per-packet one-way delay: 72.875 ms
Loss rate: 0.22%

Run 8: Report of TCP Vegas — Data Link

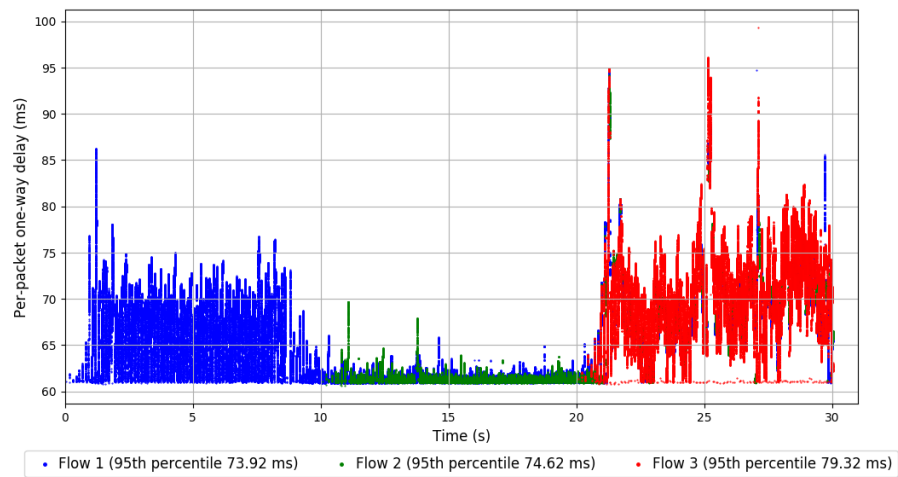
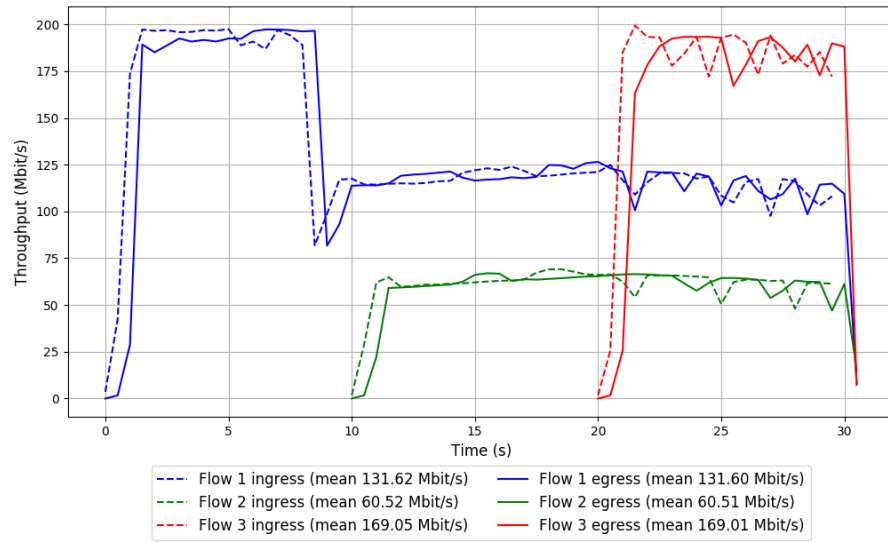


Run 9: Statistics of TCP Vegas

Start at: 2018-06-30 19:24:04
End at: 2018-06-30 19:24:34
Local clock offset: -0.046 ms
Remote clock offset: -0.098 ms

```
# Below is generated by plot.py at 2018-06-30 21:50:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 228.03 Mbit/s
95th percentile per-packet one-way delay: 76.653 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 131.60 Mbit/s
95th percentile per-packet one-way delay: 73.915 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.51 Mbit/s
95th percentile per-packet one-way delay: 74.625 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 169.01 Mbit/s
95th percentile per-packet one-way delay: 79.317 ms
Loss rate: 0.03%
```

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-30 19:49:00

End at: 2018-06-30 19:49:30

Local clock offset: 0.049 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2018-06-30 21:50:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 220.19 Mbit/s

95th percentile per-packet one-way delay: 74.943 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 119.16 Mbit/s

95th percentile per-packet one-way delay: 72.856 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 150.16 Mbit/s

95th percentile per-packet one-way delay: 75.872 ms

Loss rate: 0.00%

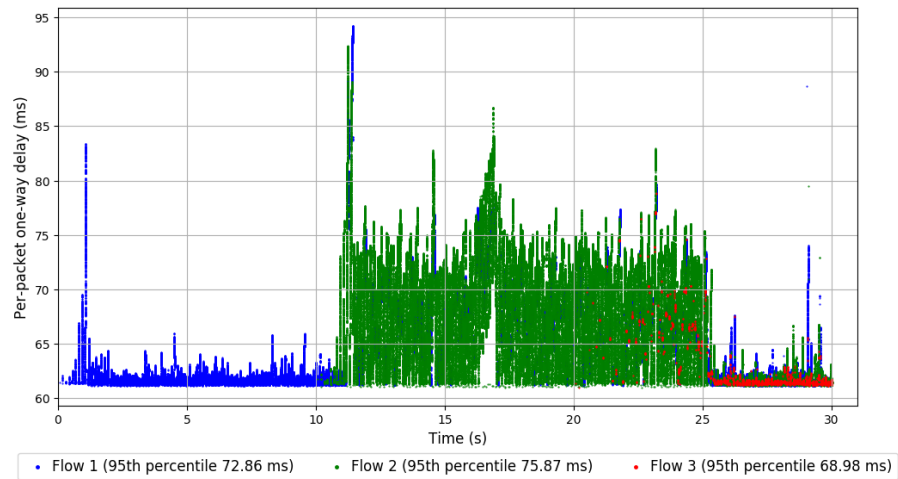
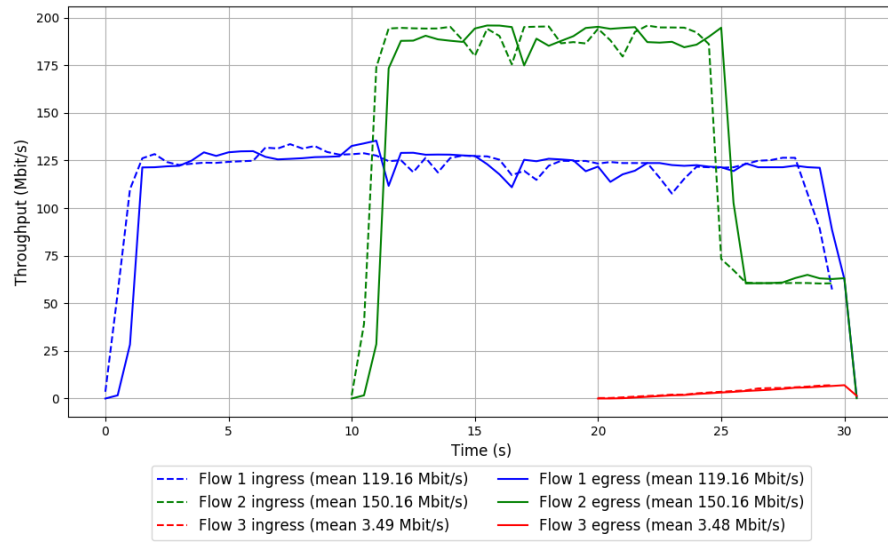
-- Flow 3:

Average throughput: 3.48 Mbit/s

95th percentile per-packet one-way delay: 68.976 ms

Loss rate: 0.35%

Run 10: Report of TCP Vegas — Data Link

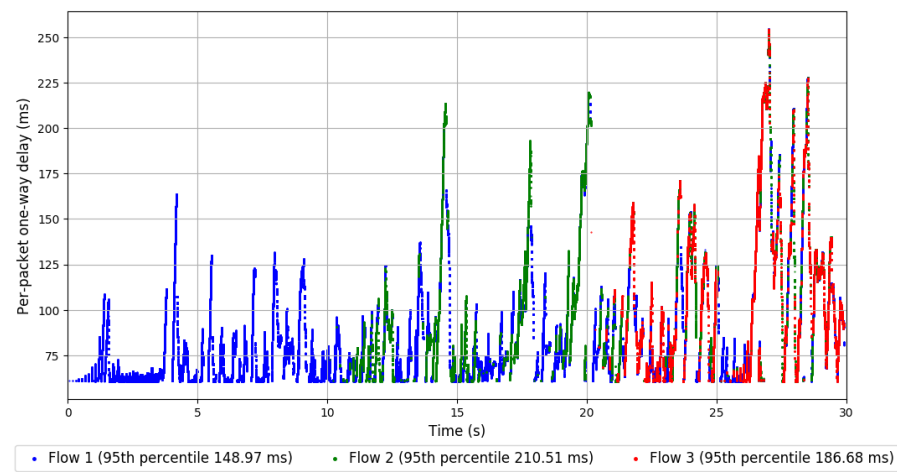
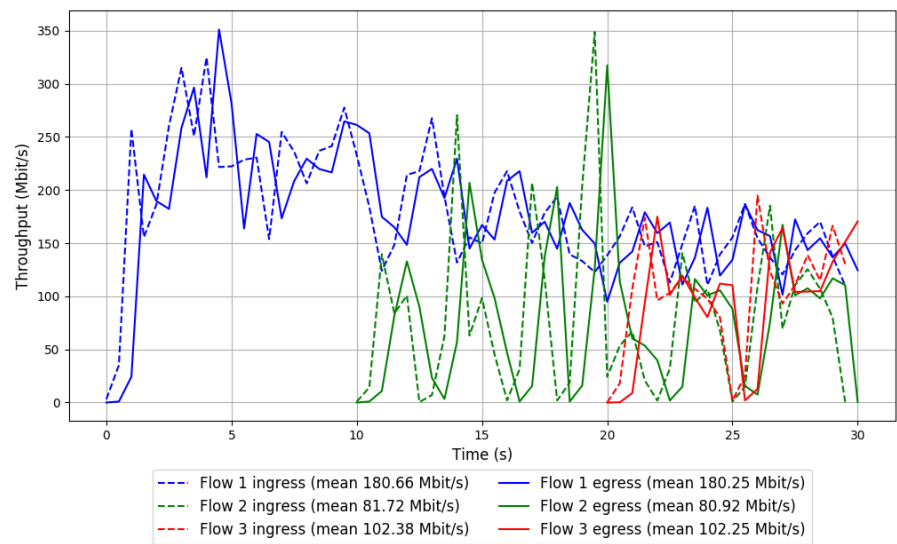


Run 1: Statistics of Verus

Start at: 2018-06-30 15:55:02
End at: 2018-06-30 15:55:32
Local clock offset: -0.417 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-06-30 21:51:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 267.17 Mbit/s
95th percentile per-packet one-way delay: 178.494 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 180.25 Mbit/s
95th percentile per-packet one-way delay: 148.970 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 80.92 Mbit/s
95th percentile per-packet one-way delay: 210.512 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 102.25 Mbit/s
95th percentile per-packet one-way delay: 186.681 ms
Loss rate: 0.64%

Run 1: Report of Verus — Data Link

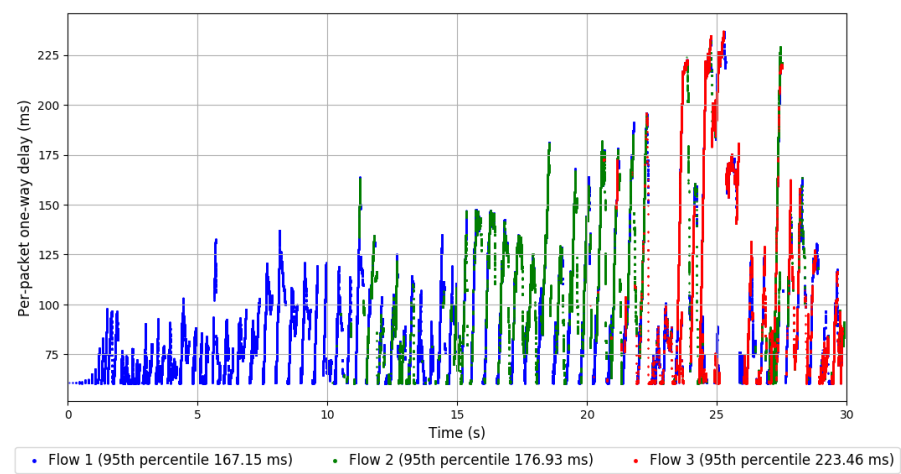
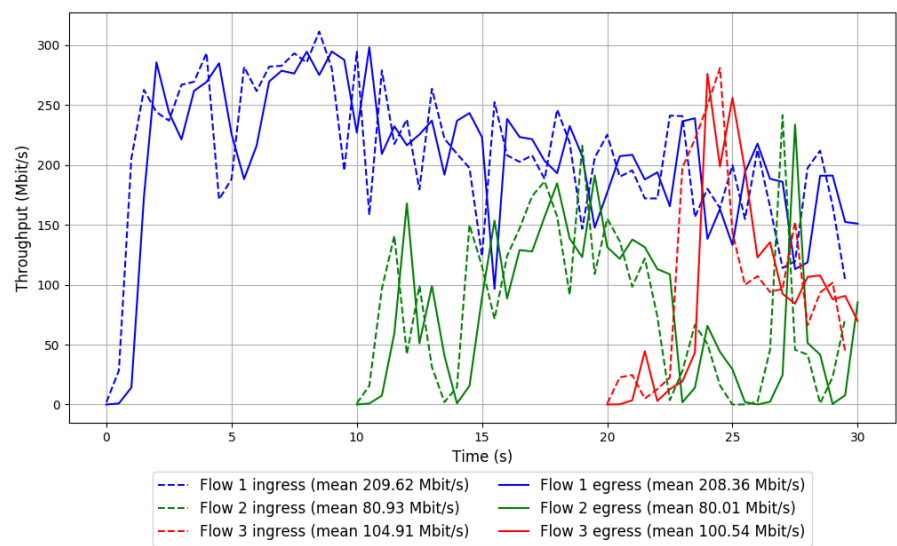


Run 2: Statistics of Verus

Start at: 2018-06-30 16:18:24
End at: 2018-06-30 16:18:54
Local clock offset: 0.113 ms
Remote clock offset: -0.312 ms

Below is generated by plot.py at 2018-06-30 21:53:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 293.81 Mbit/s
95th percentile per-packet one-way delay: 189.516 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 208.36 Mbit/s
95th percentile per-packet one-way delay: 167.153 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 80.01 Mbit/s
95th percentile per-packet one-way delay: 176.928 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 100.54 Mbit/s
95th percentile per-packet one-way delay: 223.461 ms
Loss rate: 4.28%

Run 2: Report of Verus — Data Link

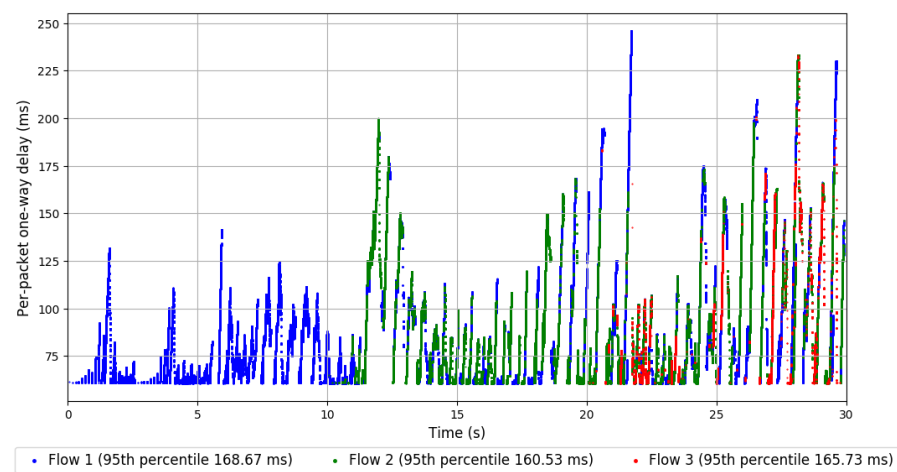
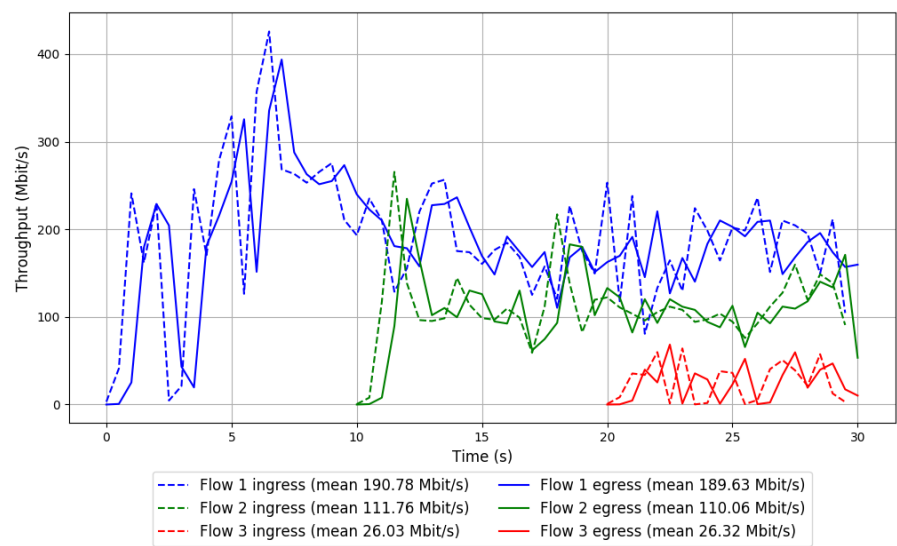


Run 3: Statistics of Verus

Start at: 2018-06-30 16:42:12
End at: 2018-06-30 16:42:42
Local clock offset: 0.074 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-06-30 21:53:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 271.28 Mbit/s
95th percentile per-packet one-way delay: 165.849 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 189.63 Mbit/s
95th percentile per-packet one-way delay: 168.671 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 110.06 Mbit/s
95th percentile per-packet one-way delay: 160.527 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 26.32 Mbit/s
95th percentile per-packet one-way delay: 165.728 ms
Loss rate: 0.15%

Run 3: Report of Verus — Data Link

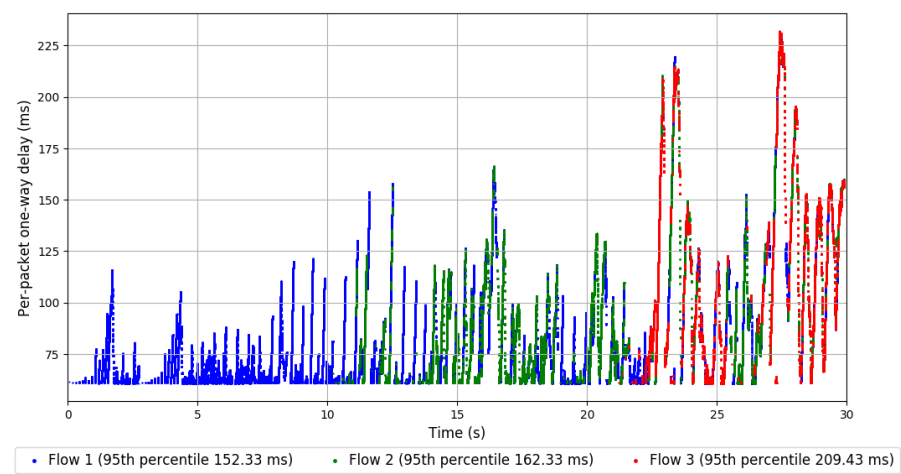
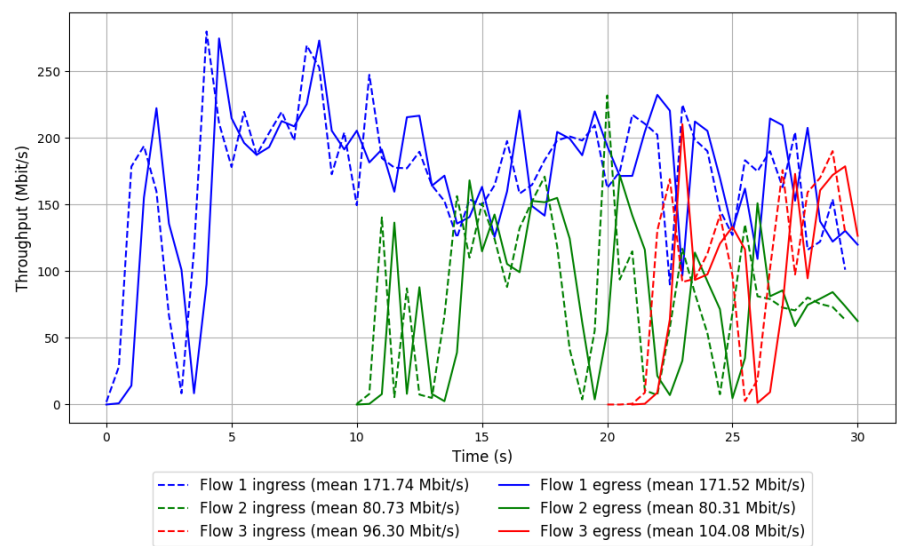


Run 4: Statistics of Verus

Start at: 2018-06-30 17:05:59
End at: 2018-06-30 17:06:29
Local clock offset: -0.119 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-06-30 21:53:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 255.61 Mbit/s
95th percentile per-packet one-way delay: 165.305 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 171.52 Mbit/s
95th percentile per-packet one-way delay: 152.327 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 80.31 Mbit/s
95th percentile per-packet one-way delay: 162.329 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 104.08 Mbit/s
95th percentile per-packet one-way delay: 209.425 ms
Loss rate: 3.01%

Run 4: Report of Verus — Data Link

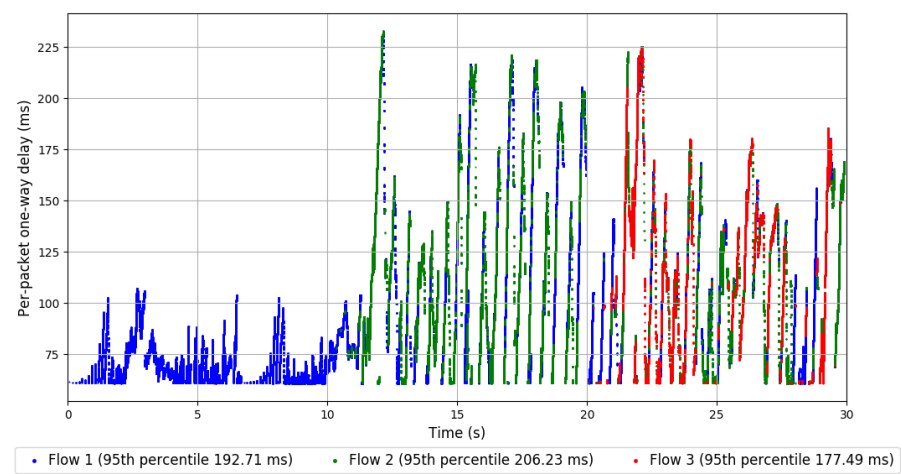
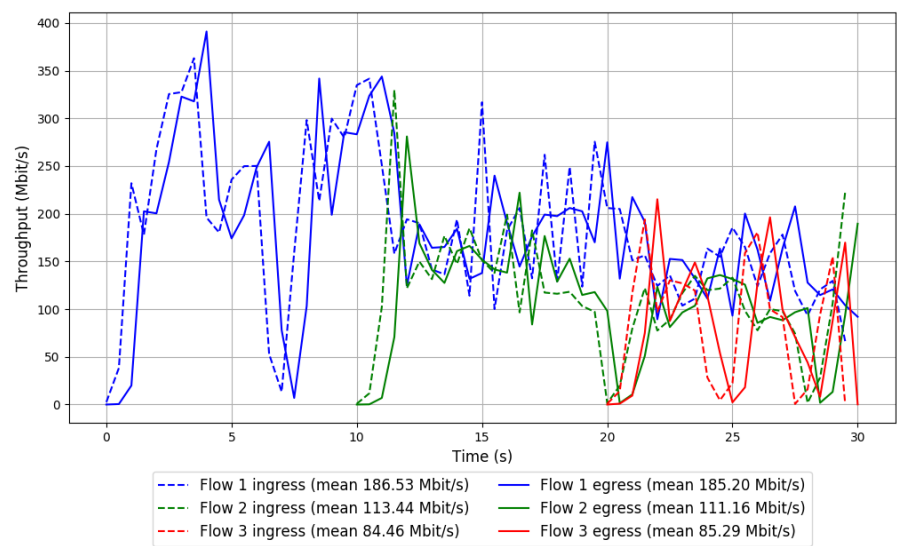


Run 5: Statistics of Verus

Start at: 2018-06-30 17:29:39
End at: 2018-06-30 17:30:09
Local clock offset: 0.093 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-06-30 21:54:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 285.87 Mbit/s
95th percentile per-packet one-way delay: 195.037 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 185.20 Mbit/s
95th percentile per-packet one-way delay: 192.712 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 111.16 Mbit/s
95th percentile per-packet one-way delay: 206.228 ms
Loss rate: 2.08%
-- Flow 3:
Average throughput: 85.29 Mbit/s
95th percentile per-packet one-way delay: 177.485 ms
Loss rate: 0.29%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-06-30 17:53:12

End at: 2018-06-30 17:53:42

Local clock offset: 0.173 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-06-30 21:54:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 278.74 Mbit/s

95th percentile per-packet one-way delay: 222.651 ms

Loss rate: 2.93%

-- Flow 1:

Average throughput: 193.82 Mbit/s

95th percentile per-packet one-way delay: 164.648 ms

Loss rate: 1.34%

-- Flow 2:

Average throughput: 99.30 Mbit/s

95th percentile per-packet one-way delay: 283.640 ms

Loss rate: 6.98%

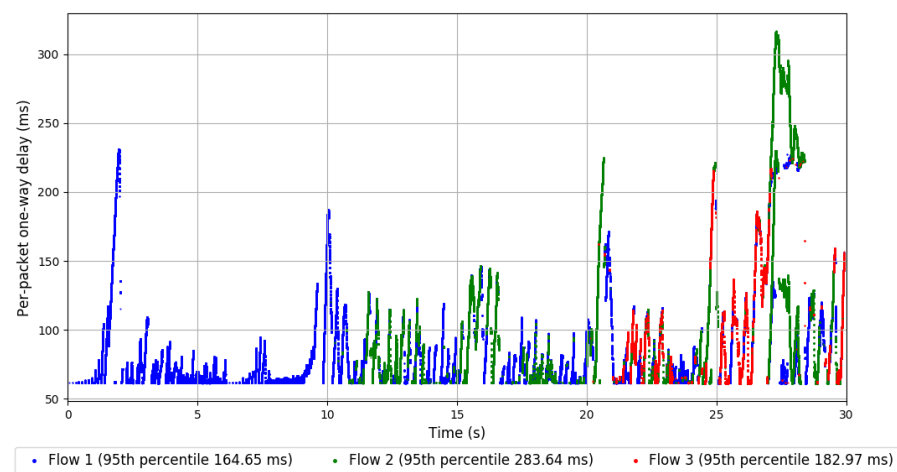
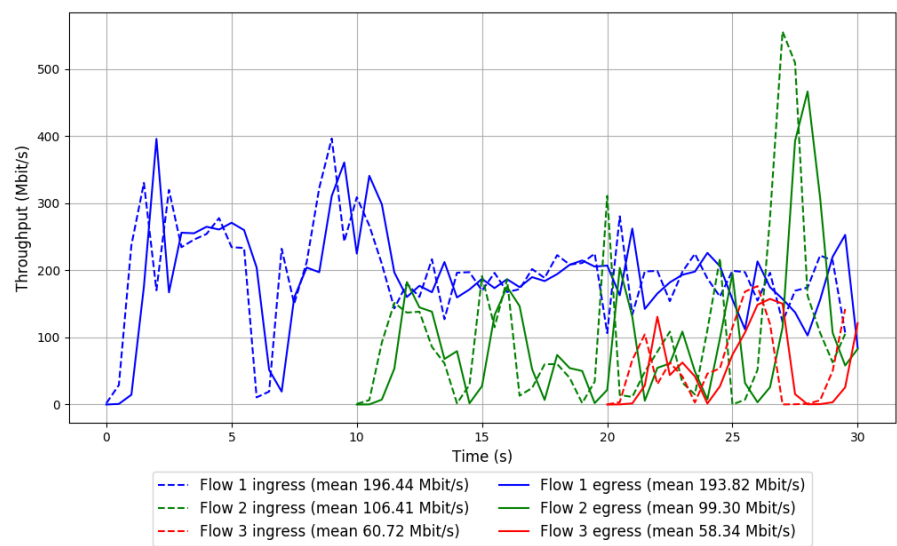
-- Flow 3:

Average throughput: 58.34 Mbit/s

95th percentile per-packet one-way delay: 182.969 ms

Loss rate: 4.21%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-06-30 18:17:03

End at: 2018-06-30 18:17:33

Local clock offset: 0.336 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-06-30 21:55:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 266.17 Mbit/s

95th percentile per-packet one-way delay: 173.337 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 163.79 Mbit/s

95th percentile per-packet one-way delay: 167.900 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 132.00 Mbit/s

95th percentile per-packet one-way delay: 180.187 ms

Loss rate: 1.55%

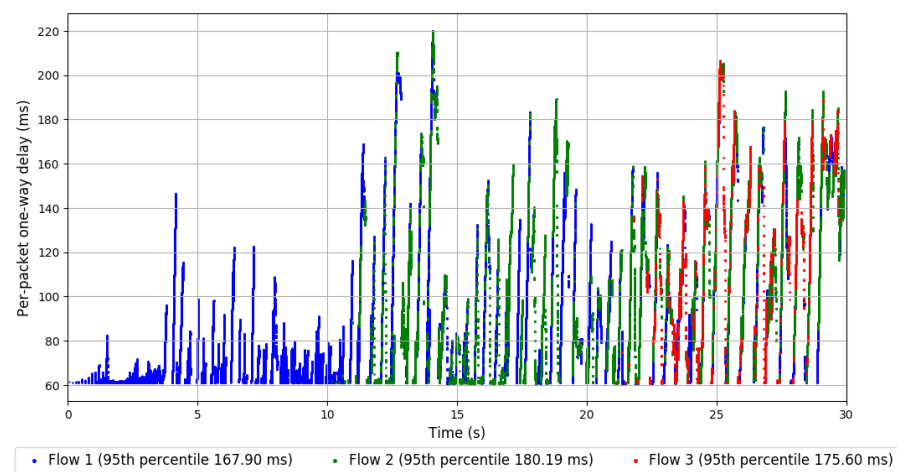
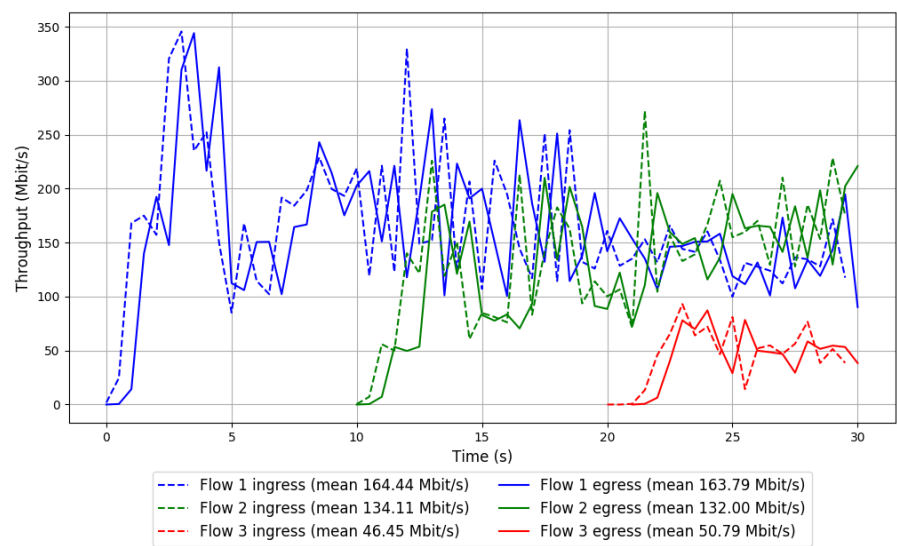
-- Flow 3:

Average throughput: 50.79 Mbit/s

95th percentile per-packet one-way delay: 175.605 ms

Loss rate: 4.07%

Run 7: Report of Verus — Data Link

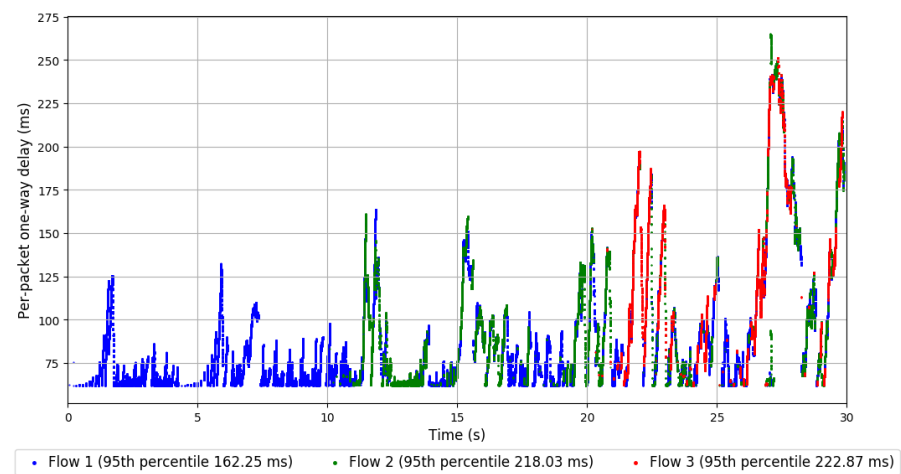
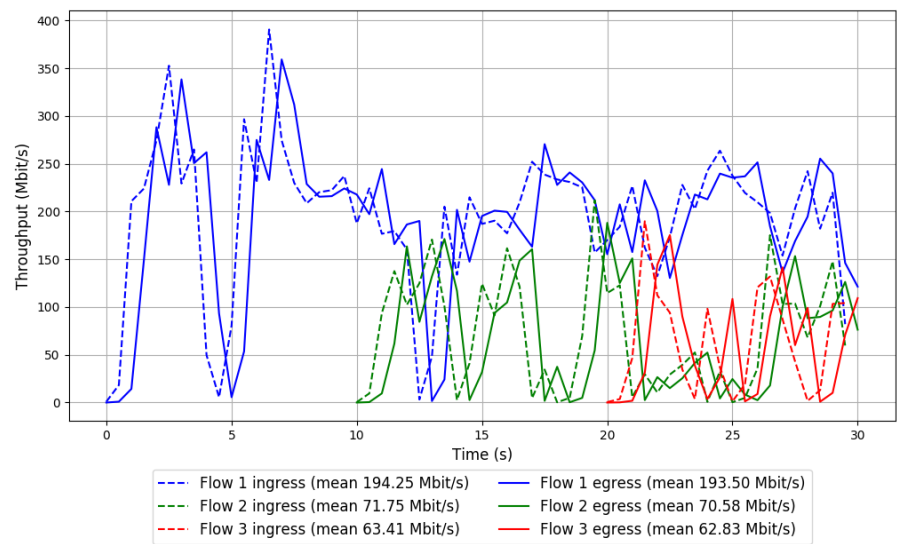


Run 8: Statistics of Verus

Start at: 2018-06-30 18:40:51
End at: 2018-06-30 18:41:21
Local clock offset: 0.016 ms
Remote clock offset: 1.144 ms

Below is generated by plot.py at 2018-06-30 21:55:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 260.66 Mbit/s
95th percentile per-packet one-way delay: 182.520 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 193.50 Mbit/s
95th percentile per-packet one-way delay: 162.247 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 70.58 Mbit/s
95th percentile per-packet one-way delay: 218.025 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 62.83 Mbit/s
95th percentile per-packet one-way delay: 222.870 ms
Loss rate: 2.64%

Run 8: Report of Verus — Data Link

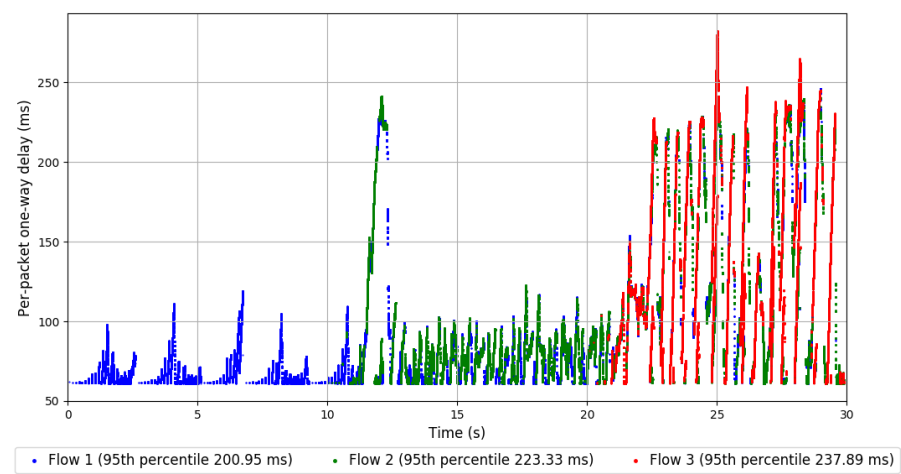
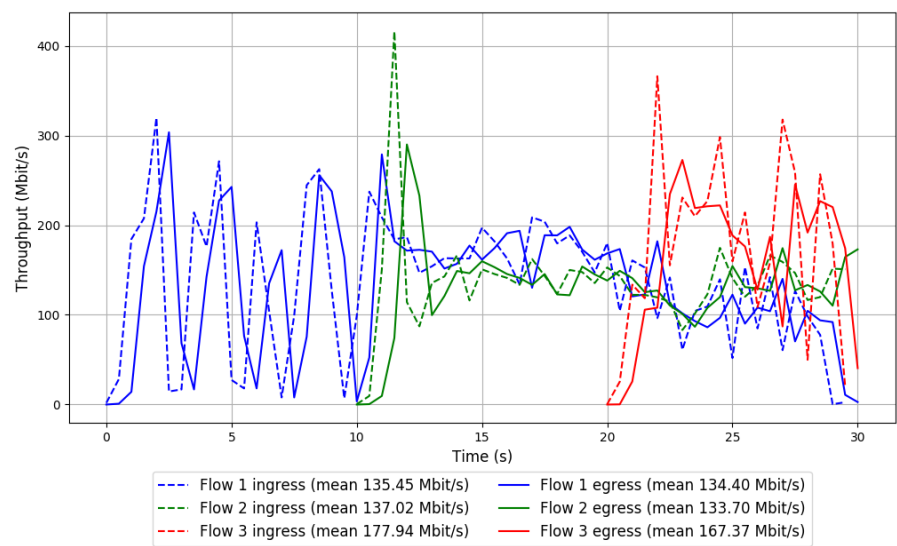


Run 9: Statistics of Verus

Start at: 2018-06-30 19:04:17
End at: 2018-06-30 19:04:47
Local clock offset: -0.028 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-06-30 21:57:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 277.85 Mbit/s
95th percentile per-packet one-way delay: 224.392 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 134.40 Mbit/s
95th percentile per-packet one-way delay: 200.954 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 133.70 Mbit/s
95th percentile per-packet one-way delay: 223.327 ms
Loss rate: 2.41%
-- Flow 3:
Average throughput: 167.37 Mbit/s
95th percentile per-packet one-way delay: 237.892 ms
Loss rate: 6.13%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-06-30 19:28:12

End at: 2018-06-30 19:28:42

Local clock offset: -0.052 ms

Remote clock offset: 1.324 ms

Below is generated by plot.py at 2018-06-30 21:58:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 274.90 Mbit/s

95th percentile per-packet one-way delay: 165.577 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 158.80 Mbit/s

95th percentile per-packet one-way delay: 147.136 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 139.85 Mbit/s

95th percentile per-packet one-way delay: 159.066 ms

Loss rate: 0.35%

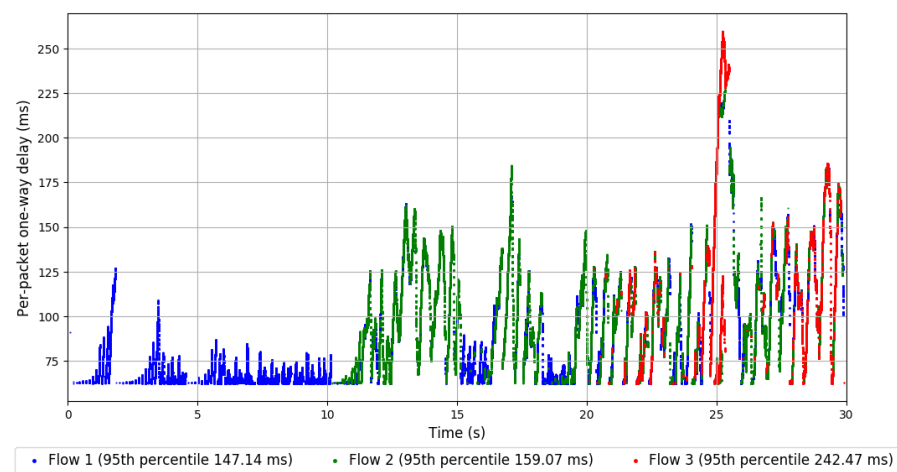
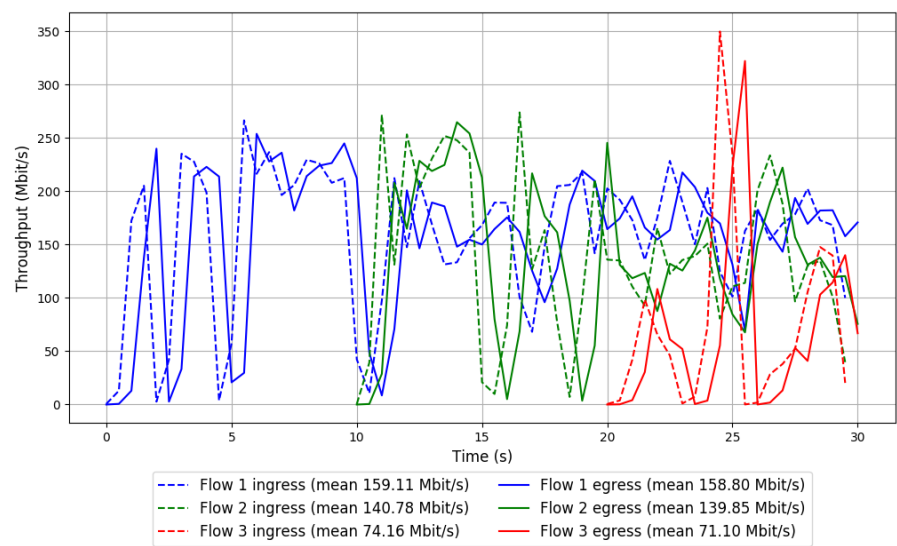
-- Flow 3:

Average throughput: 71.10 Mbit/s

95th percentile per-packet one-way delay: 242.468 ms

Loss rate: 4.15%

Run 10: Report of Verus — Data Link

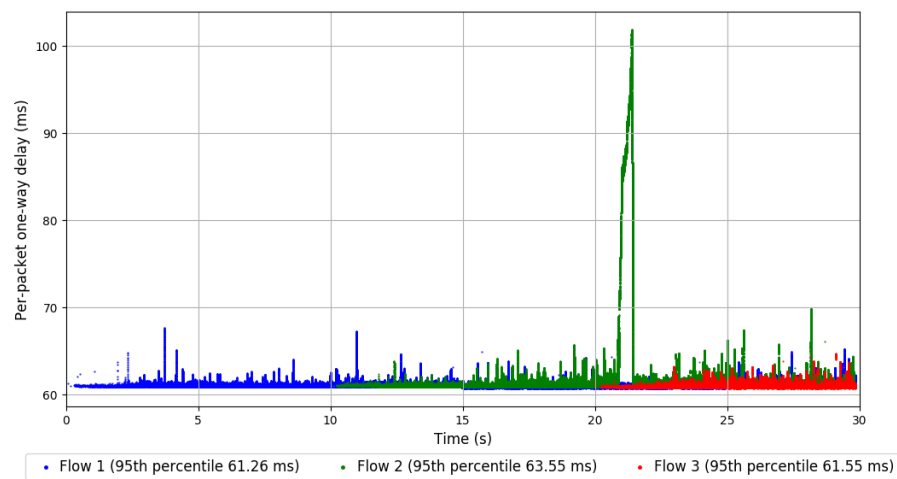
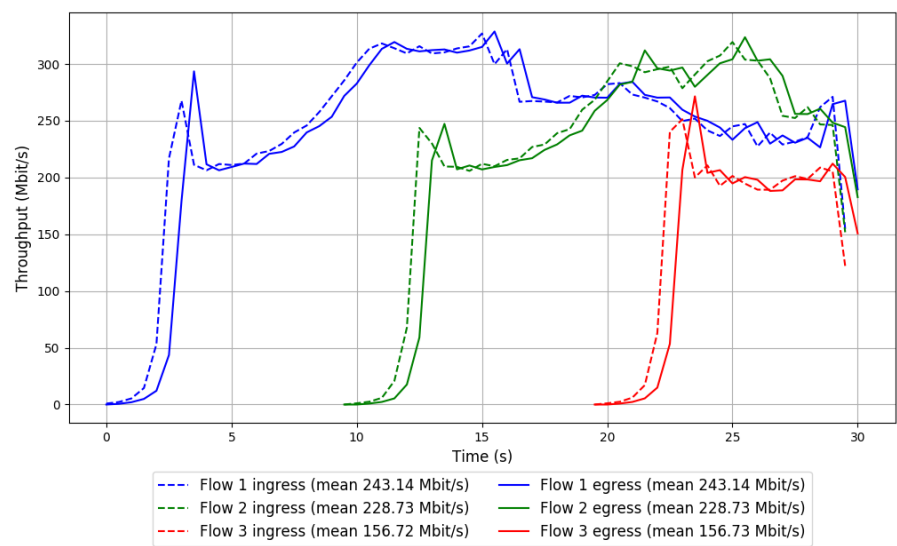


Run 1: Statistics of PCC-Vivace

Start at: 2018-06-30 15:56:31
End at: 2018-06-30 15:57:01
Local clock offset: -0.421 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-06-30 22:02:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 447.58 Mbit/s
95th percentile per-packet one-way delay: 61.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 243.14 Mbit/s
95th percentile per-packet one-way delay: 61.260 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 228.73 Mbit/s
95th percentile per-packet one-way delay: 63.555 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 156.73 Mbit/s
95th percentile per-packet one-way delay: 61.551 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

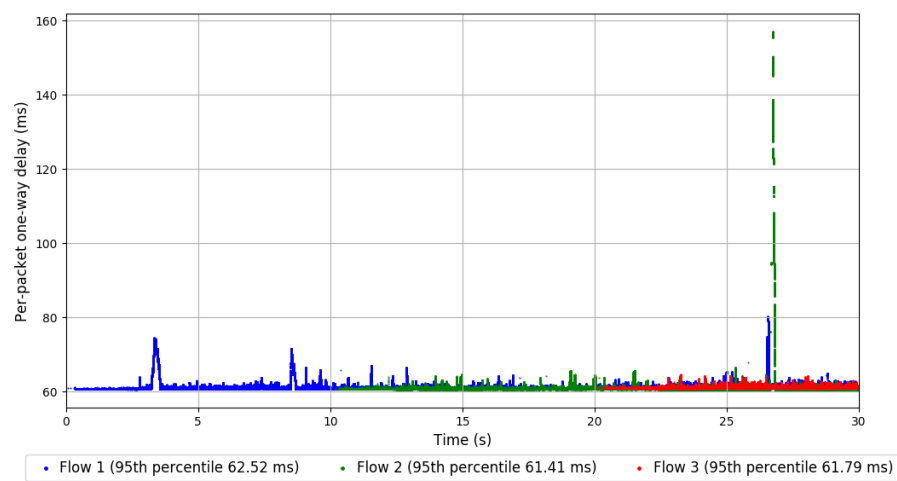
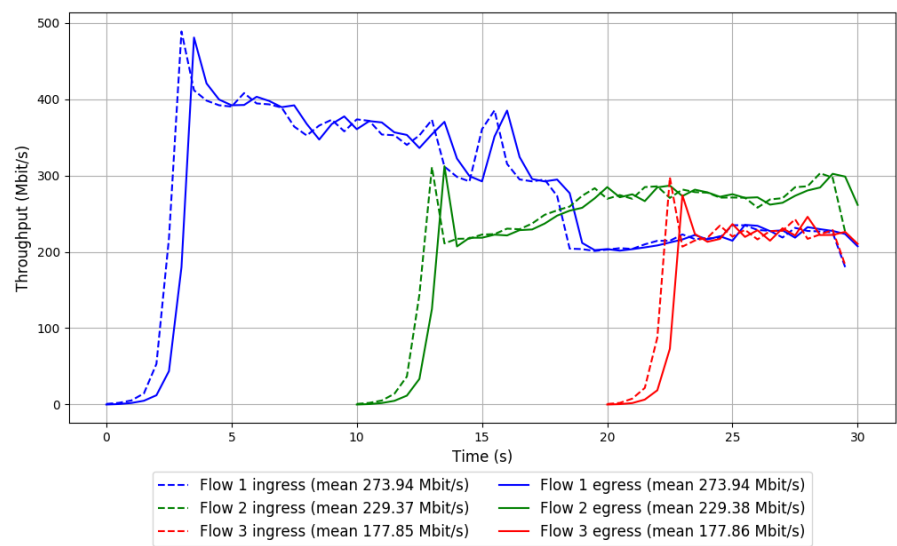


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-30 16:19:54
End at: 2018-06-30 16:20:24
Local clock offset: 0.09 ms
Remote clock offset: -0.222 ms

Below is generated by plot.py at 2018-06-30 22:03:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 485.14 Mbit/s
95th percentile per-packet one-way delay: 62.086 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 273.94 Mbit/s
95th percentile per-packet one-way delay: 62.521 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 229.38 Mbit/s
95th percentile per-packet one-way delay: 61.409 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 177.86 Mbit/s
95th percentile per-packet one-way delay: 61.790 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

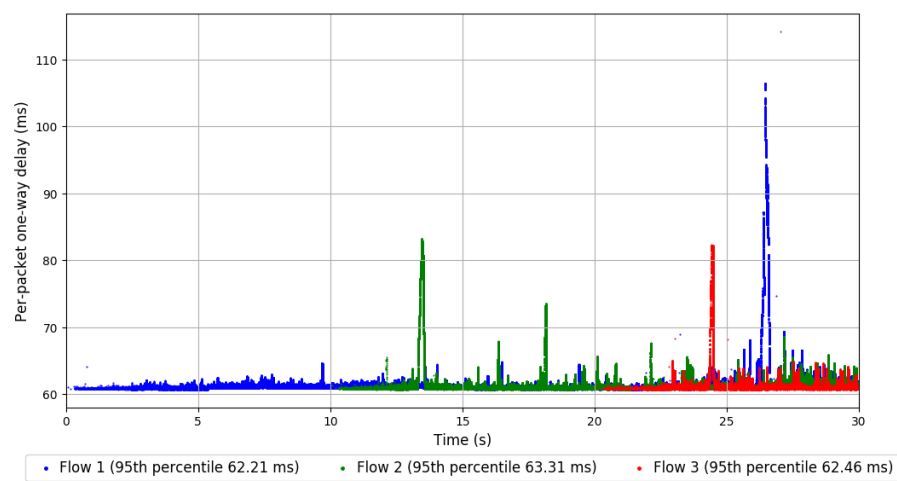
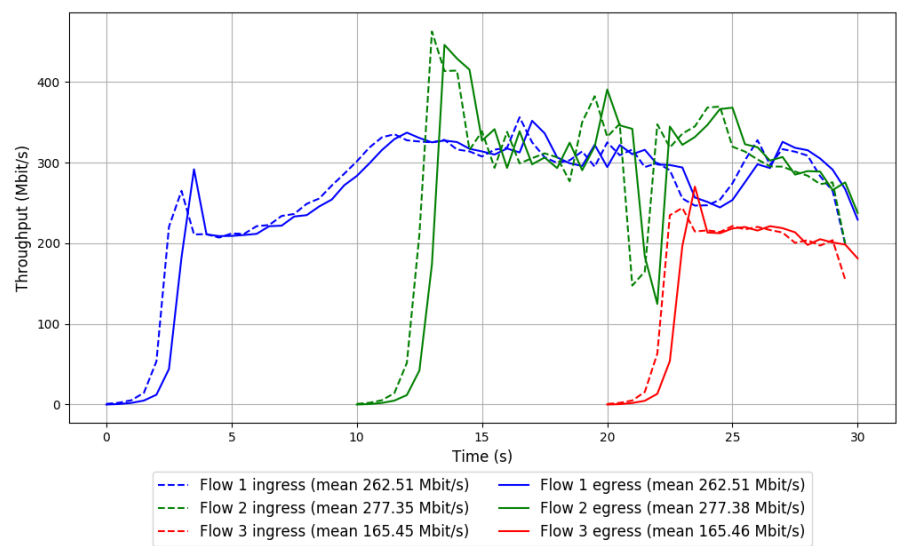


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-30 16:43:41
End at: 2018-06-30 16:44:11
Local clock offset: 0.049 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-06-30 22:05:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 501.50 Mbit/s
95th percentile per-packet one-way delay: 62.624 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 262.51 Mbit/s
95th percentile per-packet one-way delay: 62.212 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 277.38 Mbit/s
95th percentile per-packet one-way delay: 63.307 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 165.46 Mbit/s
95th percentile per-packet one-way delay: 62.461 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-06-30 17:07:26

End at: 2018-06-30 17:07:56

Local clock offset: -0.143 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-06-30 22:05:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 452.09 Mbit/s

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

Loss rate: 0.03%

-- Flow 1:

Average throughput: 256.90 Mbit/s

95th percentile per-packet one-way delay: 61.619 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 208.26 Mbit/s

95th percentile per-packet one-way delay: 61.717 ms

Loss rate: 0.00%

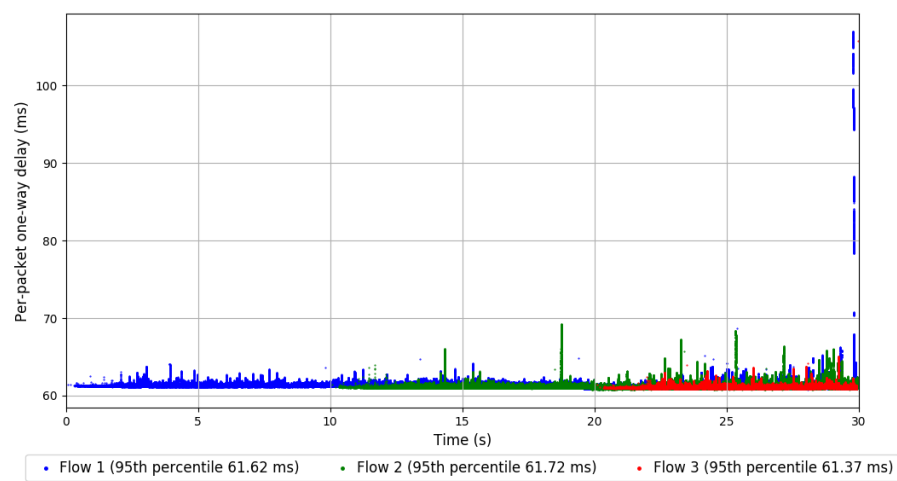
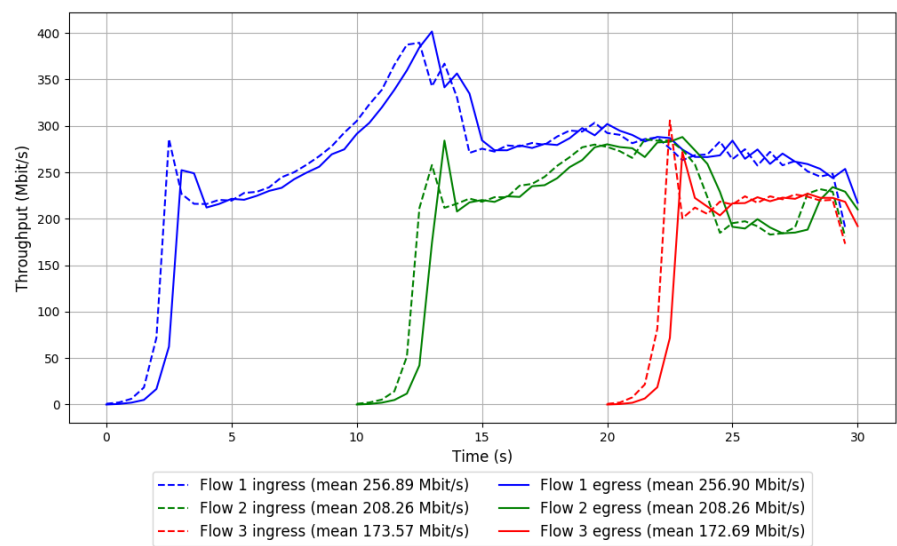
-- Flow 3:

Average throughput: 172.69 Mbit/s

95th percentile per-packet one-way delay: 61.373 ms

Loss rate: 0.24%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-30 17:31:09

End at: 2018-06-30 17:31:39

Local clock offset: 0.056 ms

Remote clock offset: 1.18 ms

Below is generated by plot.py at 2018-06-30 22:05:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 443.15 Mbit/s

95th percentile per-packet one-way delay: 63.044 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 222.69 Mbit/s

95th percentile per-packet one-way delay: 62.896 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 222.11 Mbit/s

95th percentile per-packet one-way delay: 62.995 ms

Loss rate: 0.00%

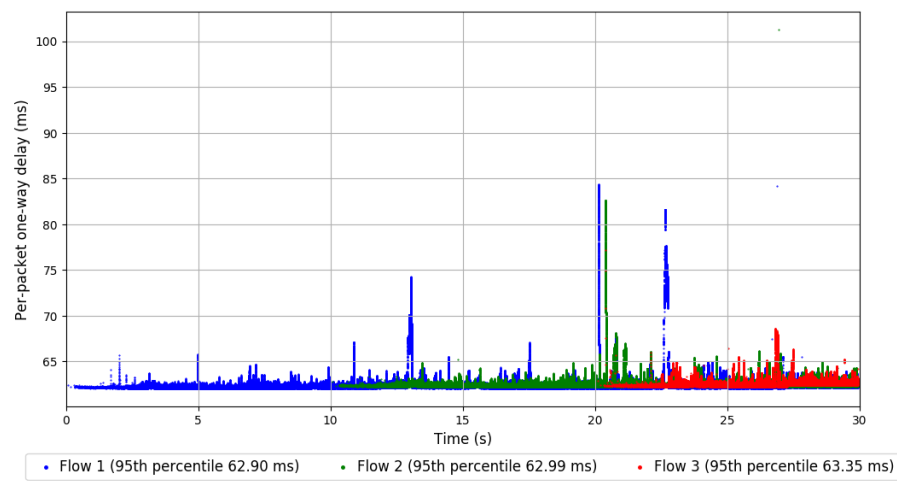
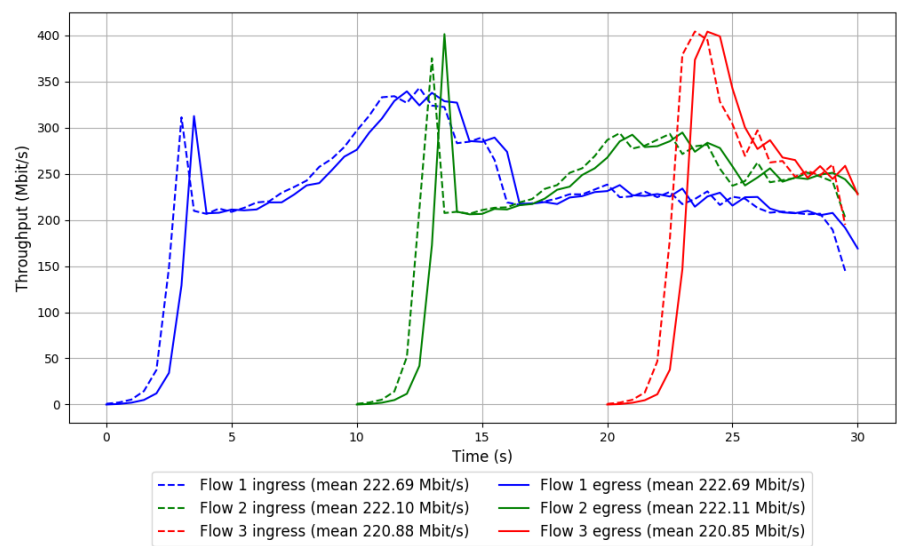
-- Flow 3:

Average throughput: 220.85 Mbit/s

95th percentile per-packet one-way delay: 63.350 ms

Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-30 17:54:41

End at: 2018-06-30 17:55:11

Local clock offset: 0.214 ms

Remote clock offset: 1.254 ms

Below is generated by plot.py at 2018-06-30 22:05:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 413.29 Mbit/s

95th percentile per-packet one-way delay: 62.781 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 227.68 Mbit/s

95th percentile per-packet one-way delay: 62.708 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 196.95 Mbit/s

95th percentile per-packet one-way delay: 62.724 ms

Loss rate: 0.00%

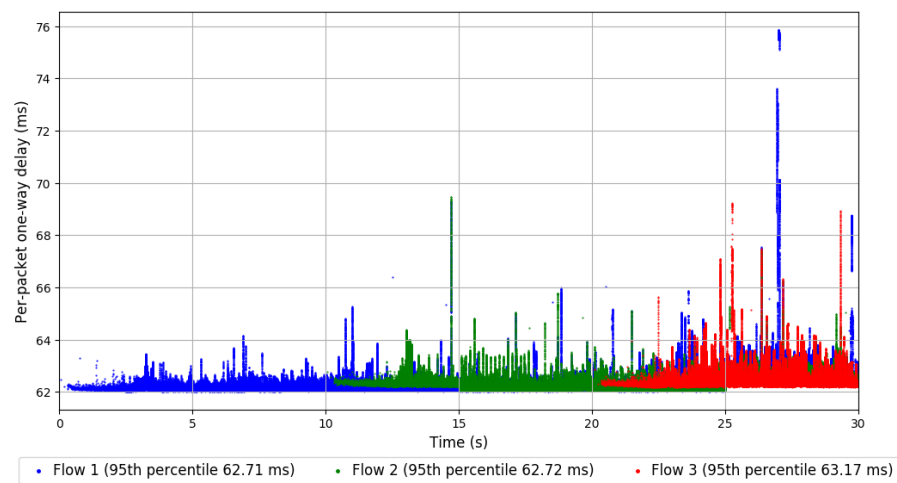
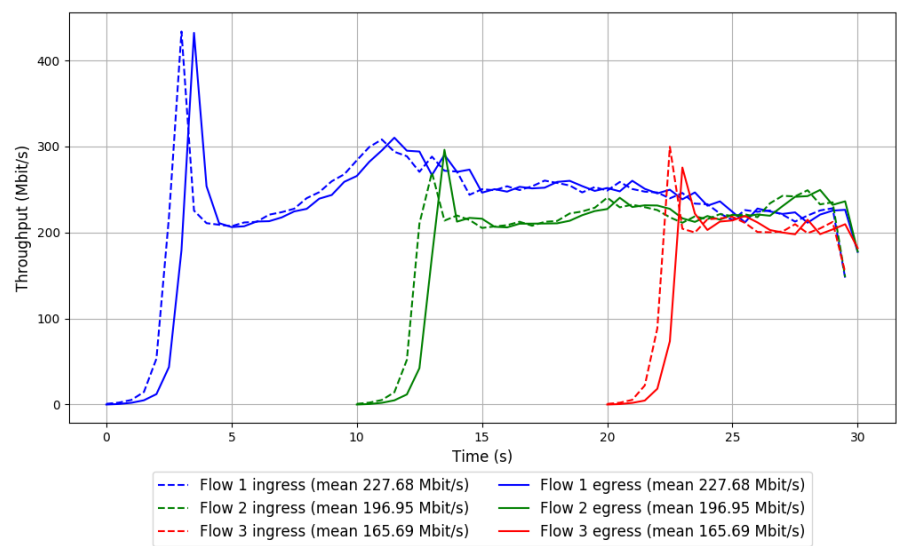
-- Flow 3:

Average throughput: 165.69 Mbit/s

95th percentile per-packet one-way delay: 63.171 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-06-30 18:18:31

End at: 2018-06-30 18:19:01

Local clock offset: 0.329 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-06-30 22:06:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 495.07 Mbit/s

95th percentile per-packet one-way delay: 63.057 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 292.04 Mbit/s

95th percentile per-packet one-way delay: 64.196 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 229.13 Mbit/s

95th percentile per-packet one-way delay: 61.687 ms

Loss rate: 0.00%

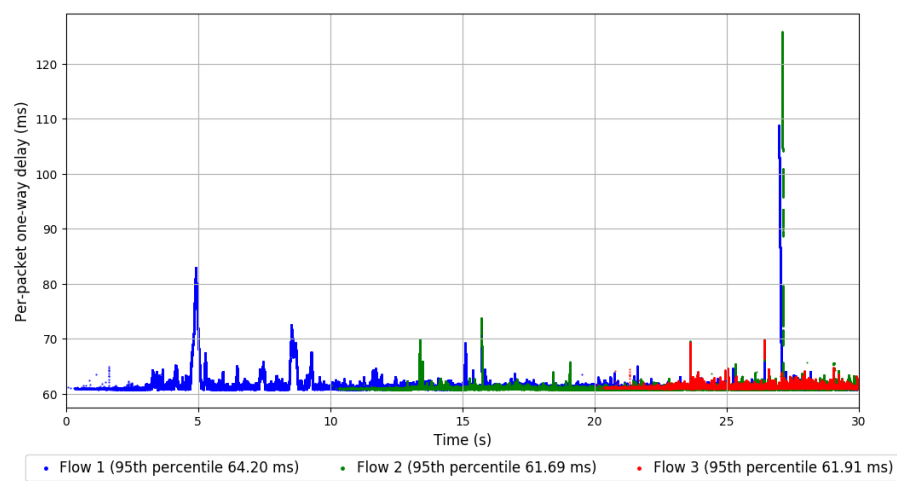
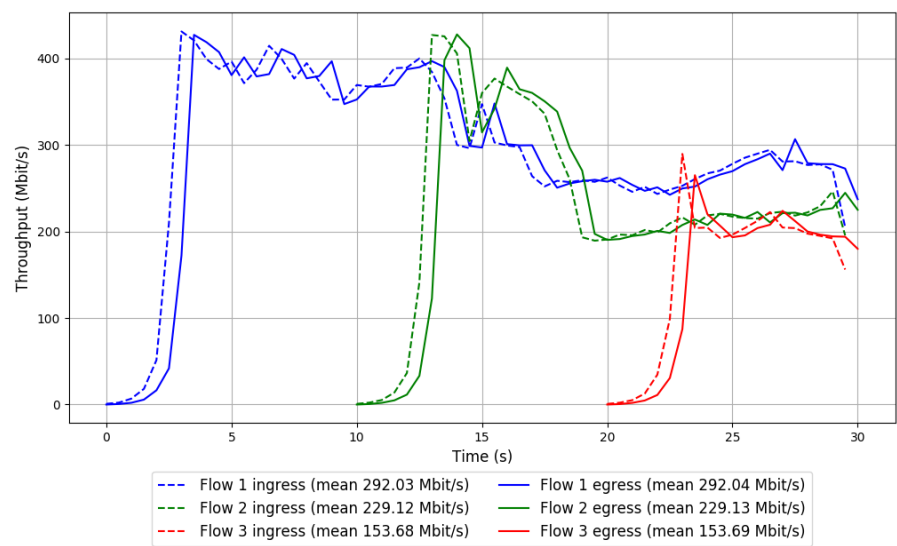
-- Flow 3:

Average throughput: 153.69 Mbit/s

95th percentile per-packet one-way delay: 61.906 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

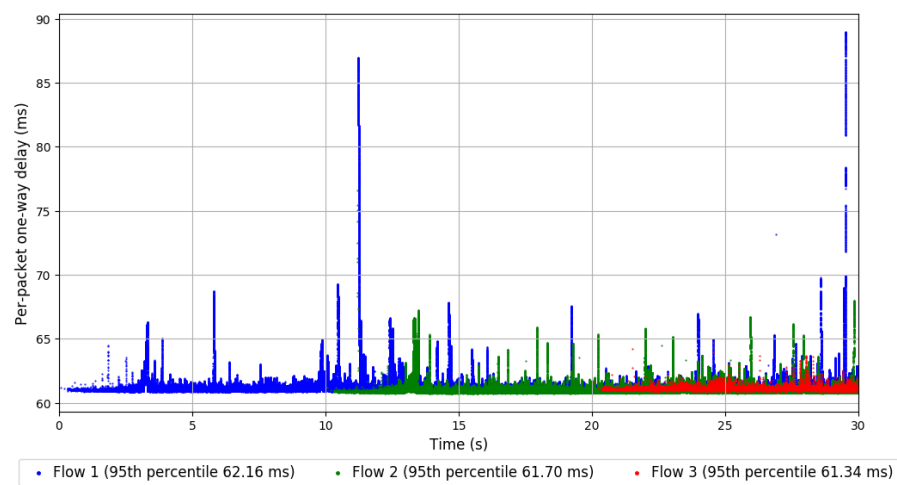
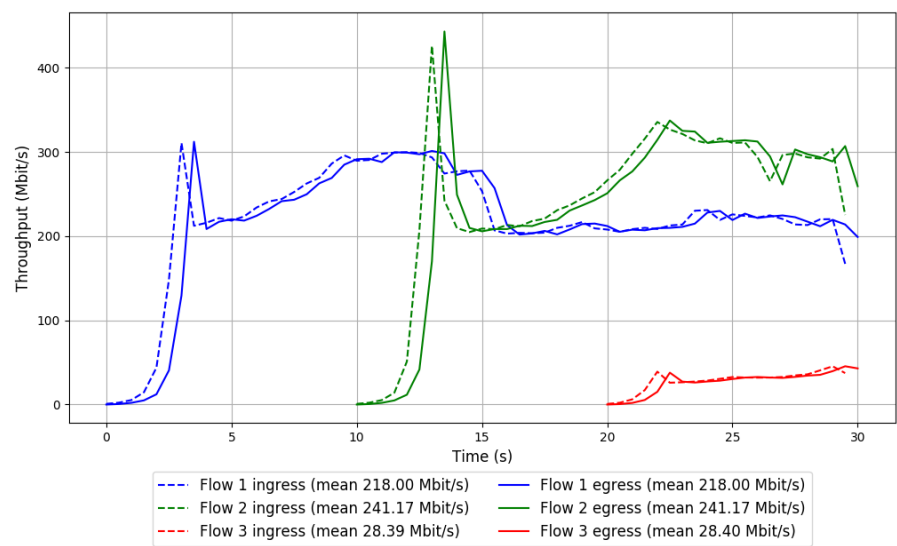


Run 8: Statistics of PCC-Vivace

Start at: 2018-06-30 18:42:18
End at: 2018-06-30 18:42:48
Local clock offset: -0.032 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-06-30 22:06:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 387.75 Mbit/s
95th percentile per-packet one-way delay: 61.917 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 218.00 Mbit/s
95th percentile per-packet one-way delay: 62.156 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 241.17 Mbit/s
95th percentile per-packet one-way delay: 61.702 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.40 Mbit/s
95th percentile per-packet one-way delay: 61.344 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-30 19:05:47

End at: 2018-06-30 19:06:17

Local clock offset: -0.021 ms

Remote clock offset: 0.233 ms

Below is generated by plot.py at 2018-06-30 22:06:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 441.76 Mbit/s

95th percentile per-packet one-way delay: 62.750 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 234.63 Mbit/s

95th percentile per-packet one-way delay: 67.319 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 230.15 Mbit/s

95th percentile per-packet one-way delay: 61.818 ms

Loss rate: 0.00%

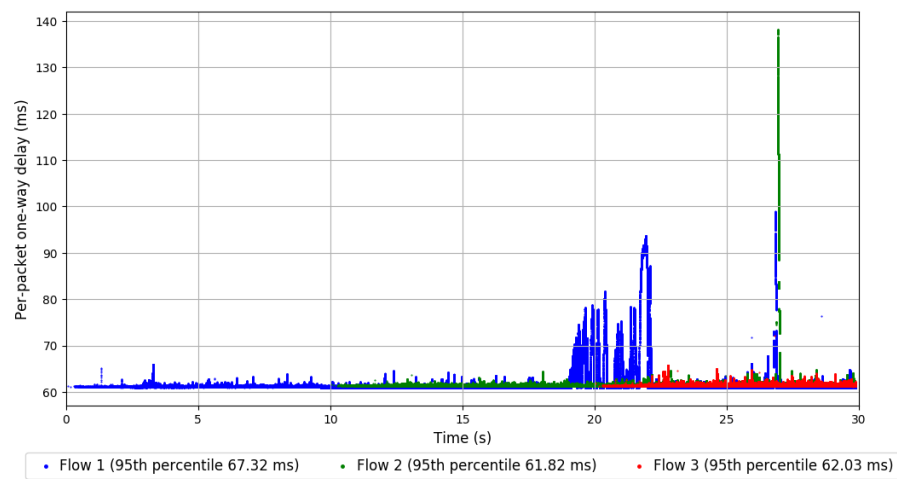
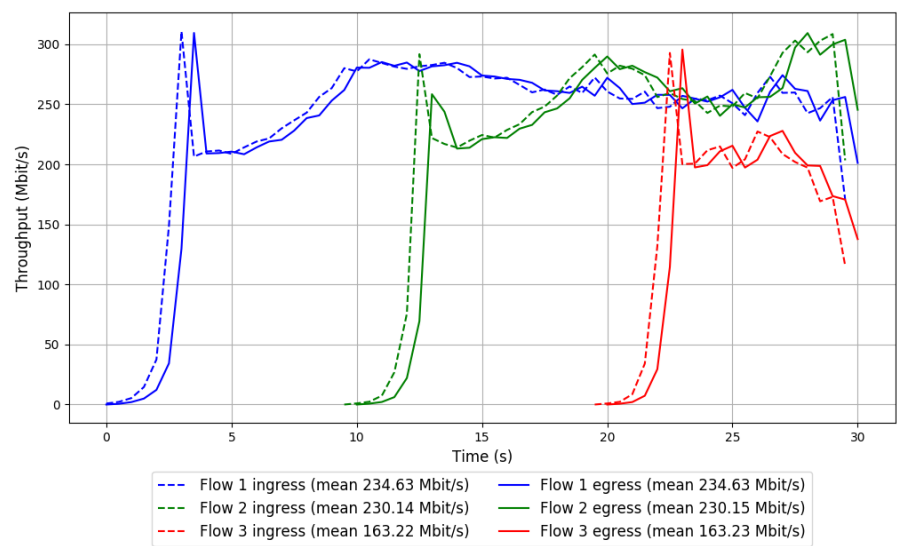
-- Flow 3:

Average throughput: 163.23 Mbit/s

95th percentile per-packet one-way delay: 62.035 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

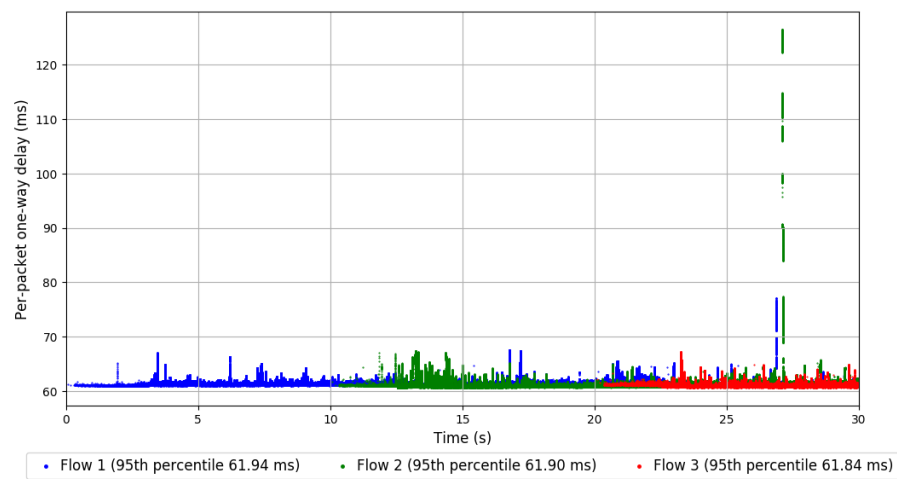
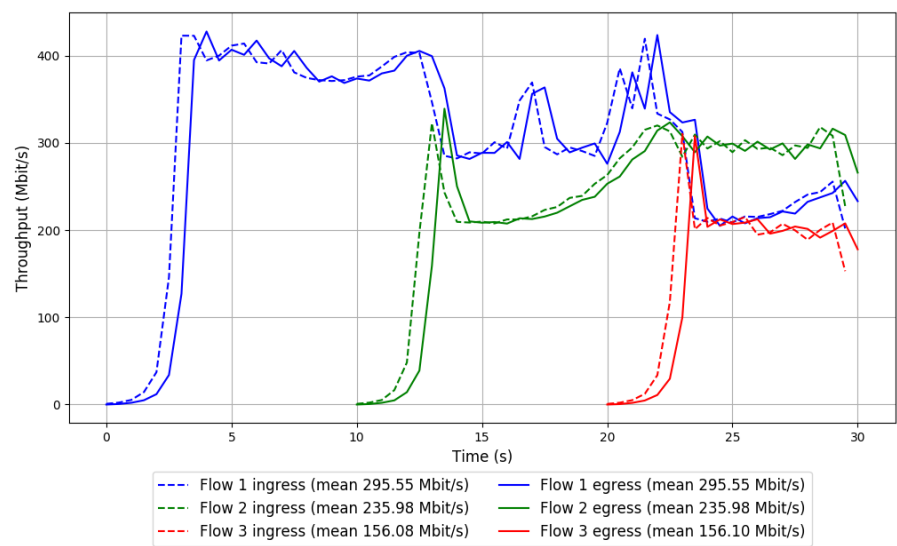


Run 10: Statistics of PCC-Vivace

Start at: 2018-06-30 19:29:44
End at: 2018-06-30 19:30:14
Local clock offset: -0.014 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-06-30 22:07:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 503.93 Mbit/s
95th percentile per-packet one-way delay: 61.922 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 295.55 Mbit/s
95th percentile per-packet one-way delay: 61.939 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 235.98 Mbit/s
95th percentile per-packet one-way delay: 61.900 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 156.10 Mbit/s
95th percentile per-packet one-way delay: 61.844 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-06-30 16:07:24

End at: 2018-06-30 16:07:54

Local clock offset: -0.232 ms

Remote clock offset: 0.21 ms

Below is generated by plot.py at 2018-06-30 22:07:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.55 Mbit/s

95th percentile per-packet one-way delay: 61.608 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.56 Mbit/s

95th percentile per-packet one-way delay: 61.565 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 61.567 ms

Loss rate: 0.00%

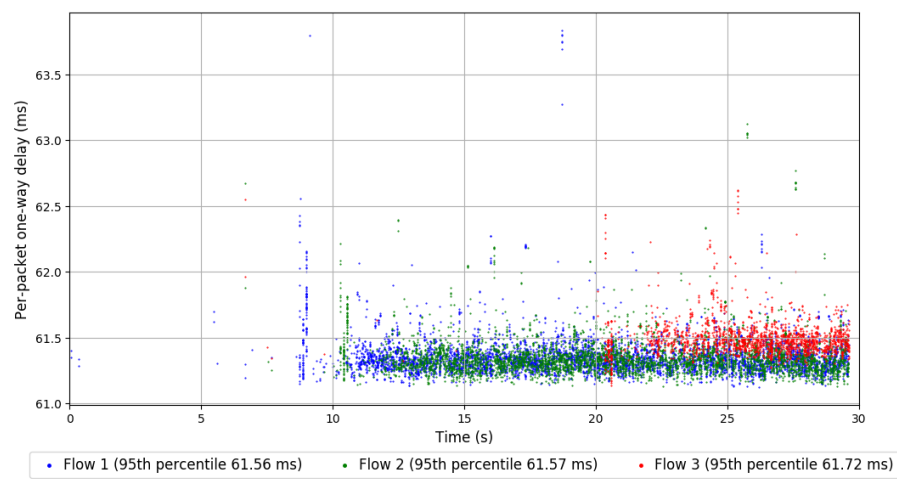
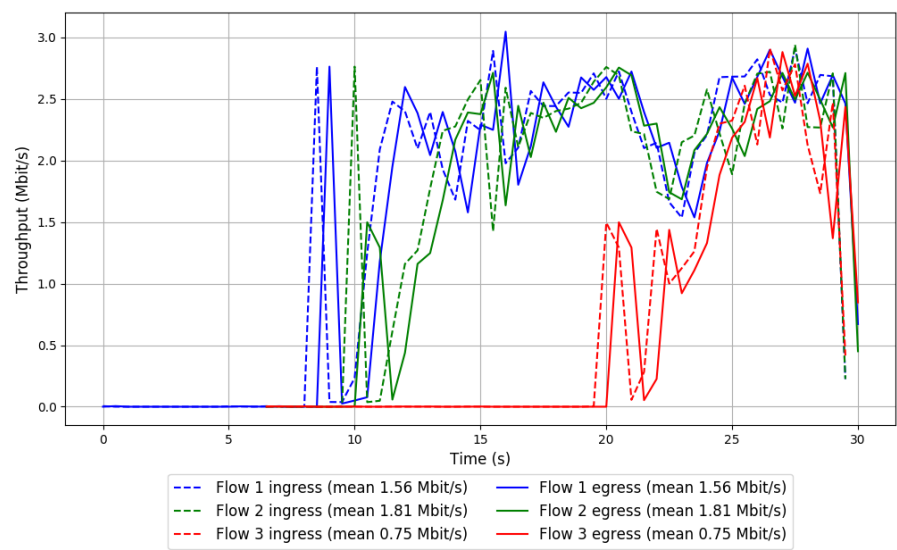
-- Flow 3:

Average throughput: 0.75 Mbit/s

95th percentile per-packet one-way delay: 61.719 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

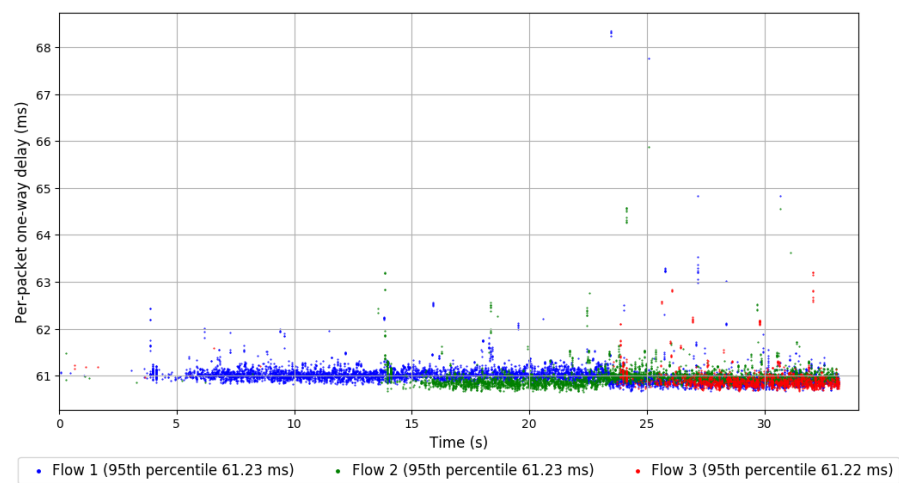
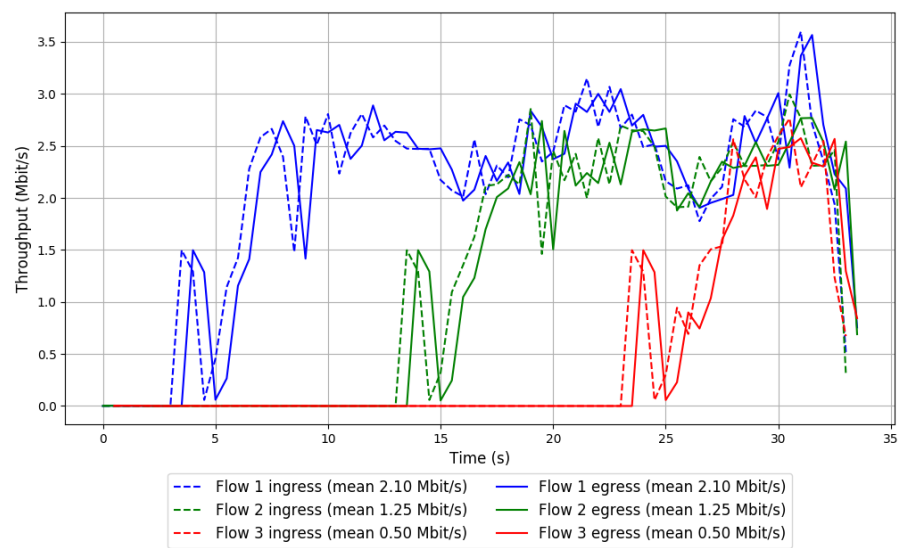


Run 2: Statistics of WebRTC media

Start at: 2018-06-30 16:30:46
End at: 2018-06-30 16:31:16
Local clock offset: 0.188 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-06-30 22:07:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 61.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 61.230 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 61.231 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 61.223 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-06-30 16:54:40

End at: 2018-06-30 16:55:10

Local clock offset: -0.118 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-06-30 22:07:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.71 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 61.436 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 61.504 ms

Loss rate: 0.00%

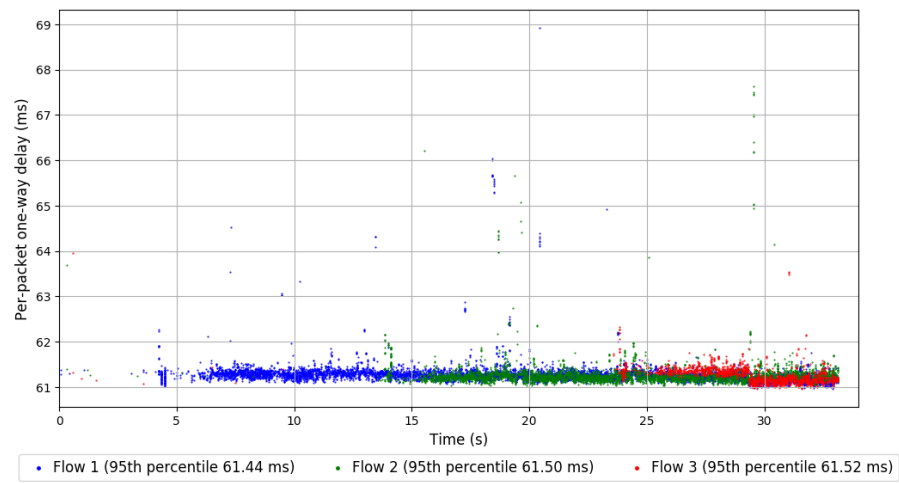
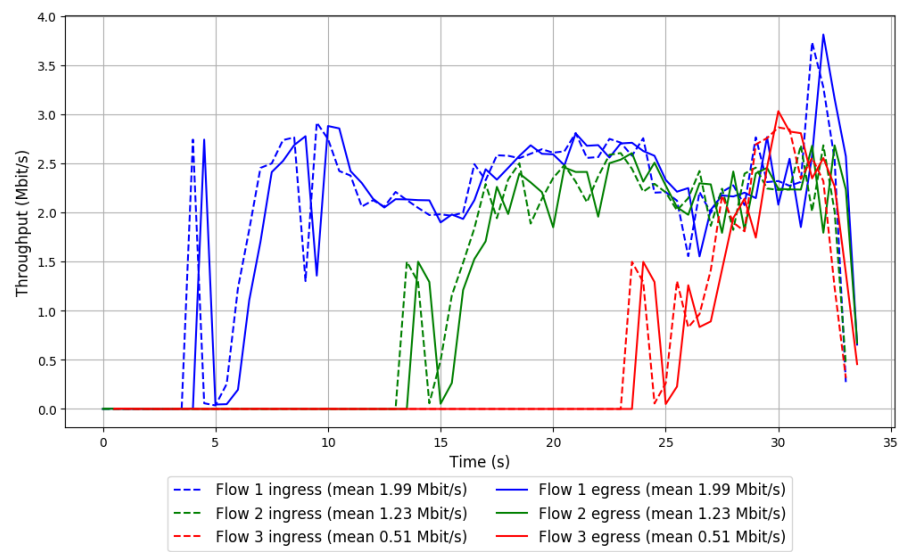
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 61.517 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-06-30 17:18:17

End at: 2018-06-30 17:18:47

Local clock offset: 0.032 ms

Remote clock offset: 0.305 ms

Below is generated by plot.py at 2018-06-30 22:07:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.79 Mbit/s

95th percentile per-packet one-way delay: 61.654 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 61.574 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 61.715 ms

Loss rate: 0.00%

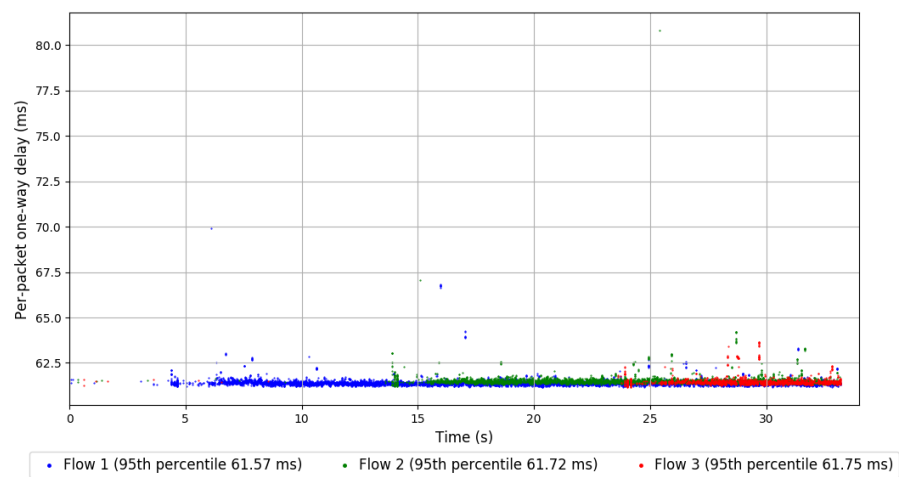
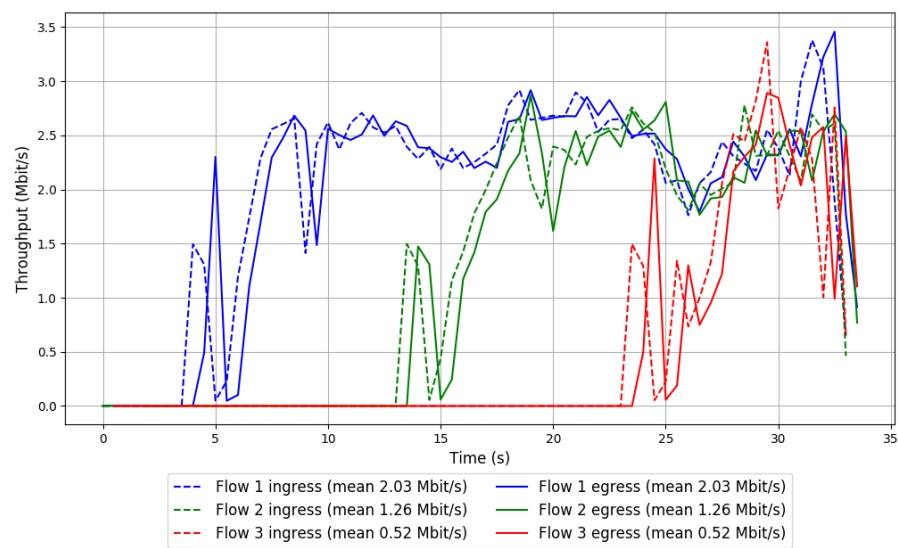
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 61.746 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

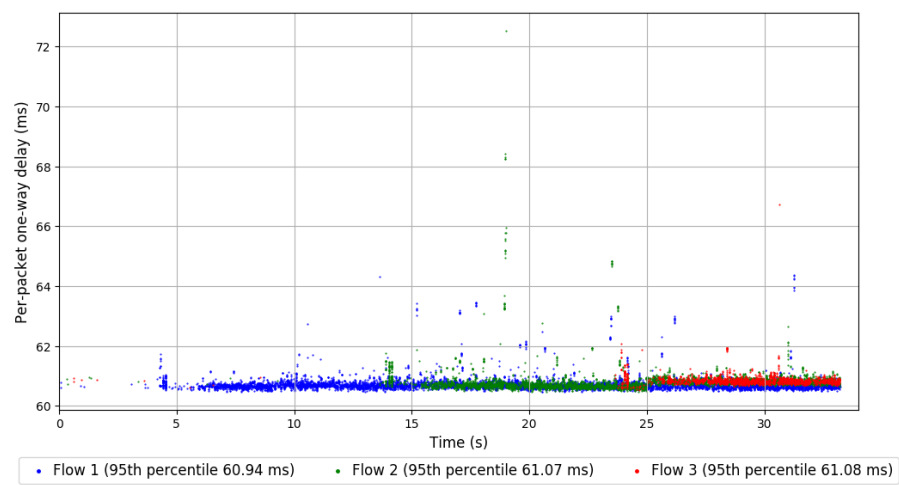
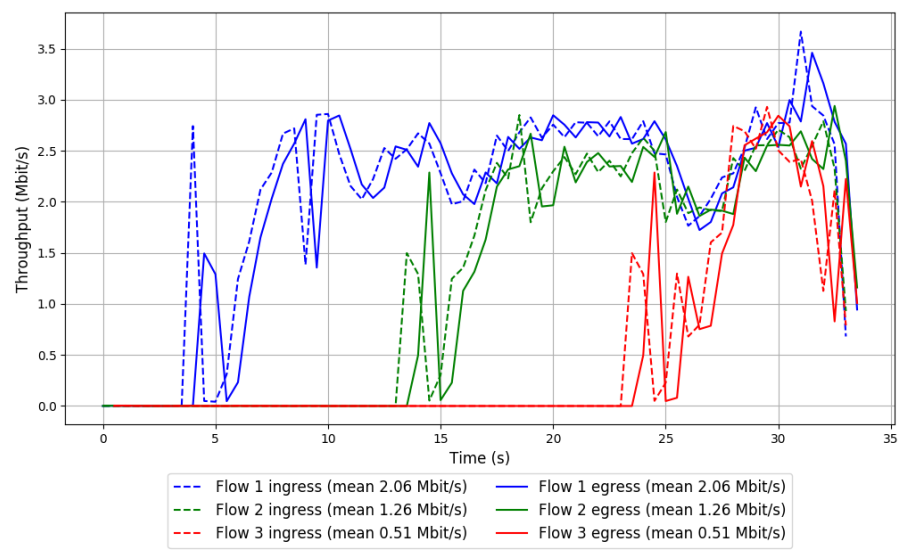


Run 5: Statistics of WebRTC media

Start at: 2018-06-30 17:41:54
End at: 2018-06-30 17:42:24
Local clock offset: 0.105 ms
Remote clock offset: -0.438 ms

Below is generated by plot.py at 2018-06-30 22:07:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.81 Mbit/s
95th percentile per-packet one-way delay: 61.005 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 60.940 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 61.072 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 61.075 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-06-30 18:05:35

End at: 2018-06-30 18:06:05

Local clock offset: 0.265 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-06-30 22:07:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.78 Mbit/s

95th percentile per-packet one-way delay: 61.459 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.02 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 61.529 ms

Loss rate: 0.00%

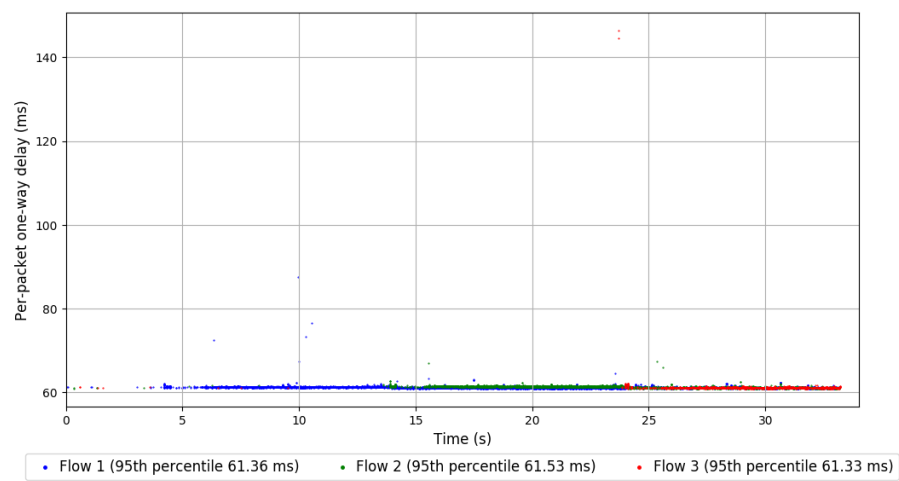
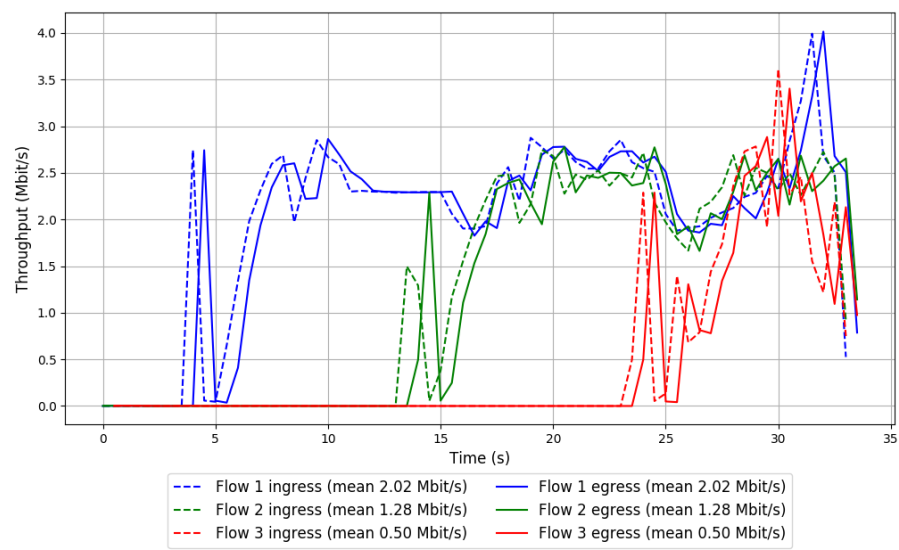
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 61.334 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-06-30 18:29:22

End at: 2018-06-30 18:29:52

Local clock offset: 0.114 ms

Remote clock offset: 1.149 ms

Below is generated by plot.py at 2018-06-30 22:07:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.81 Mbit/s

95th percentile per-packet one-way delay: 62.521 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 62.559 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 62.418 ms

Loss rate: 0.00%

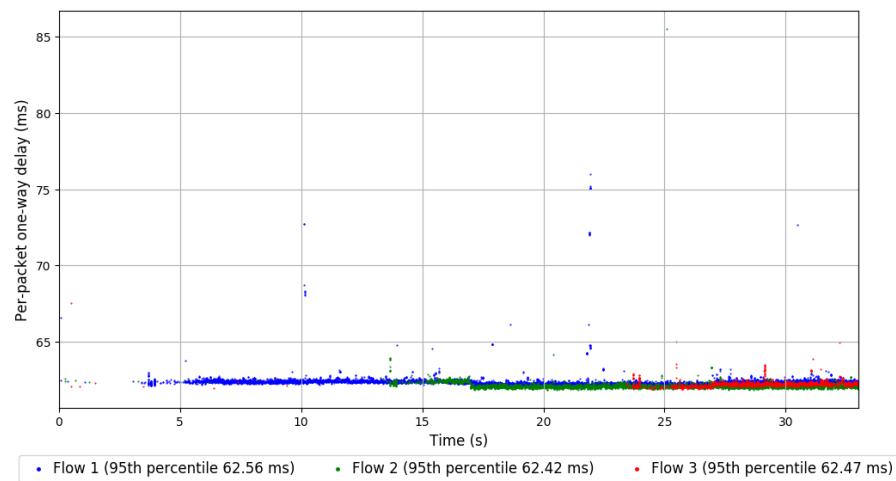
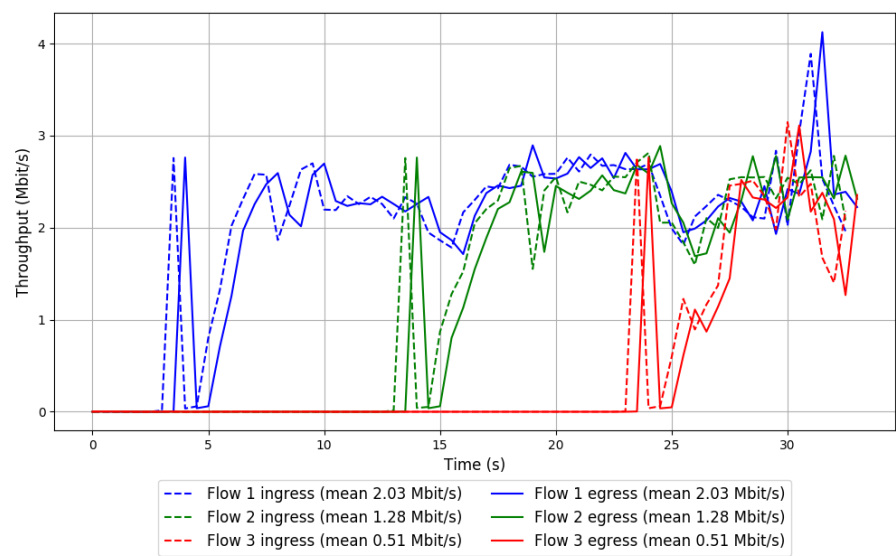
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 62.472 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

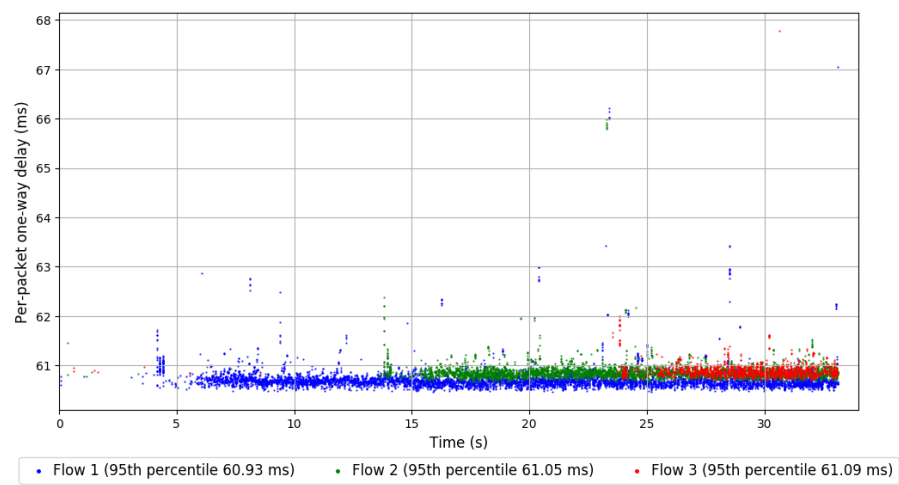
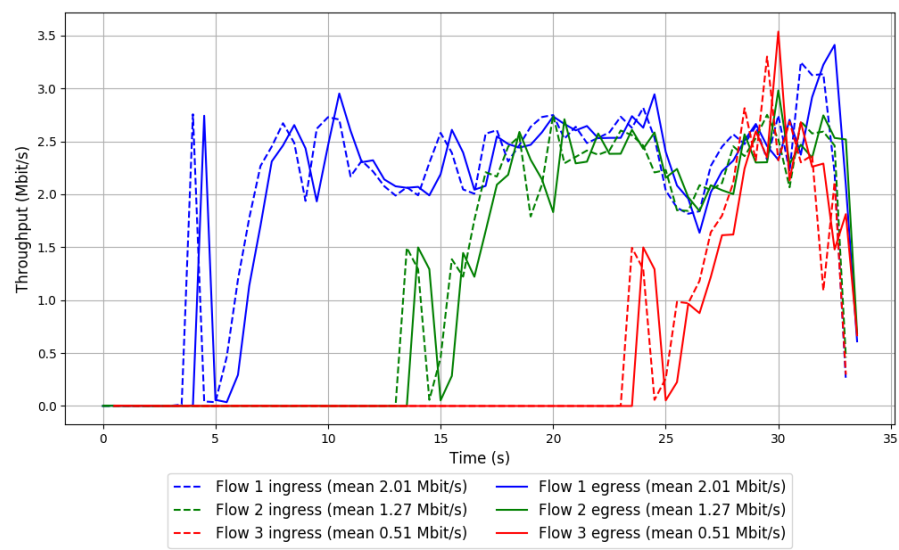


Run 8: Statistics of WebRTC media

Start at: 2018-06-30 18:53:09
End at: 2018-06-30 18:53:39
Local clock offset: -0.099 ms
Remote clock offset: -0.334 ms

Below is generated by plot.py at 2018-06-30 22:07:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 61.021 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 60.928 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 61.054 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 61.089 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

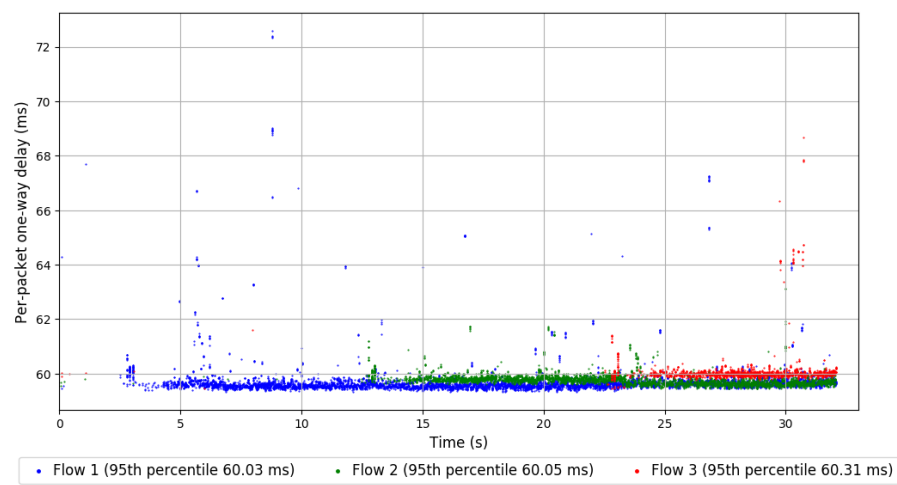
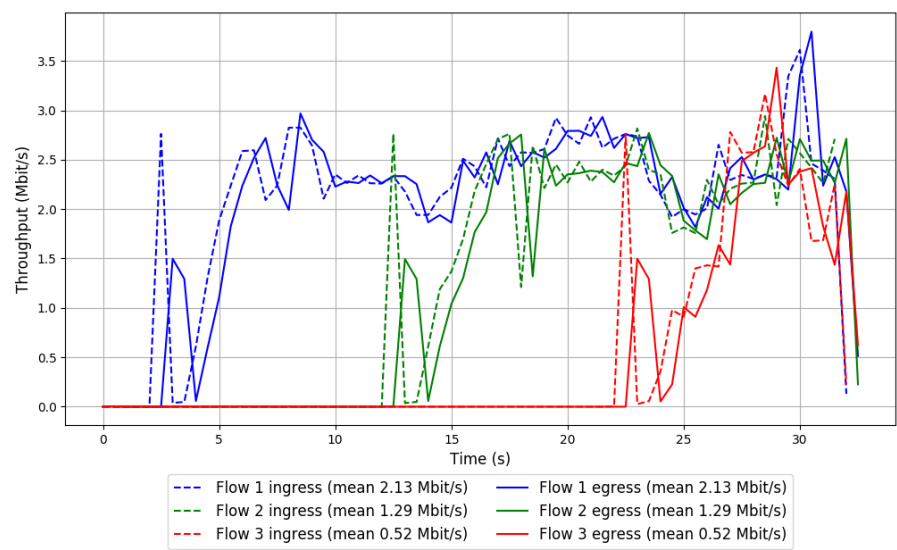


Run 9: Statistics of WebRTC media

Start at: 2018-06-30 19:16:45
End at: 2018-06-30 19:17:15
Local clock offset: -0.015 ms
Remote clock offset: -1.348 ms

Below is generated by plot.py at 2018-06-30 22:07:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 60.114 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 60.026 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 60.050 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 60.311 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-30 19:41:22

End at: 2018-06-30 19:41:52

Local clock offset: 0.065 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-06-30 22:07:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.84 Mbit/s

95th percentile per-packet one-way delay: 61.366 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 61.301 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 61.380 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 61.471 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

