

Pantheon Report

Generated at 2018-07-01 22:57:23 (UTC).

Data path: GCE Sydney 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.

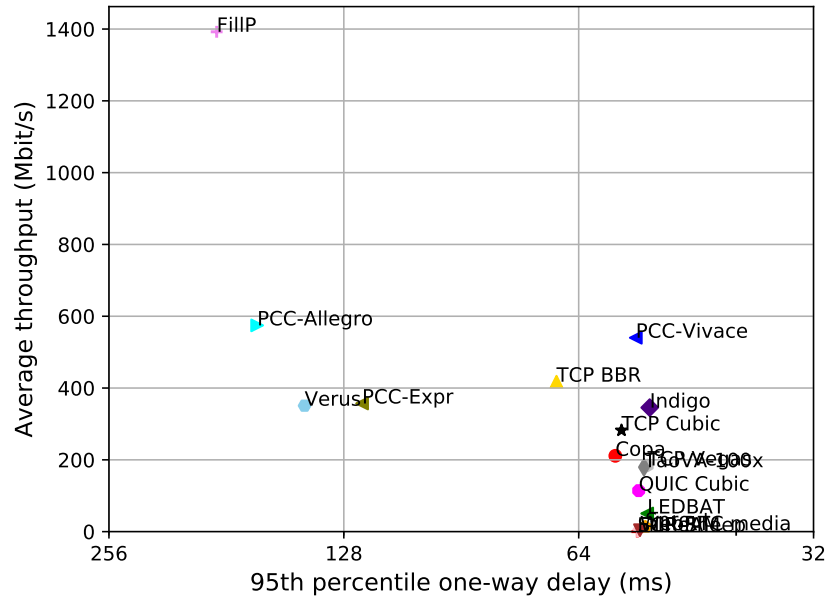
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

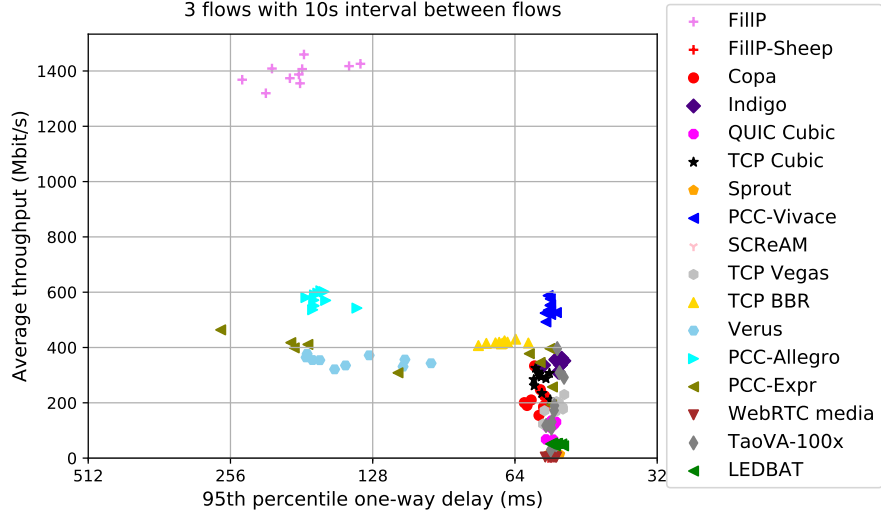
Git summary:

```
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-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



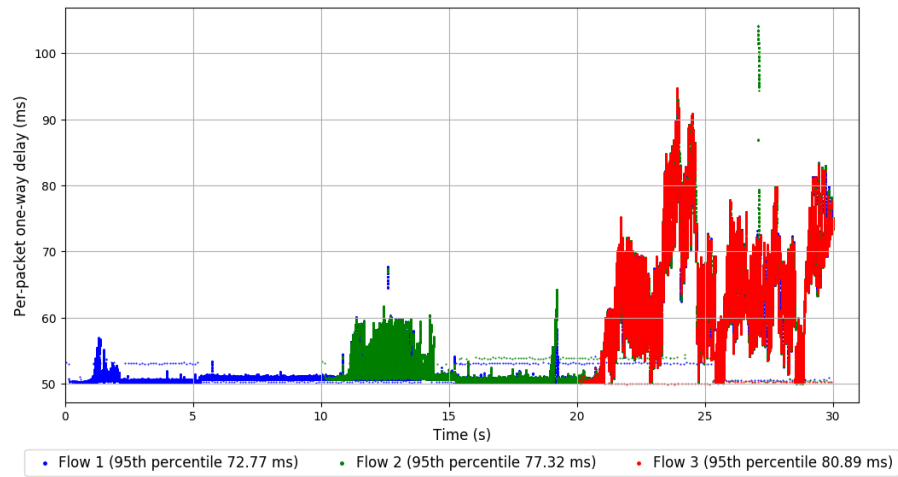
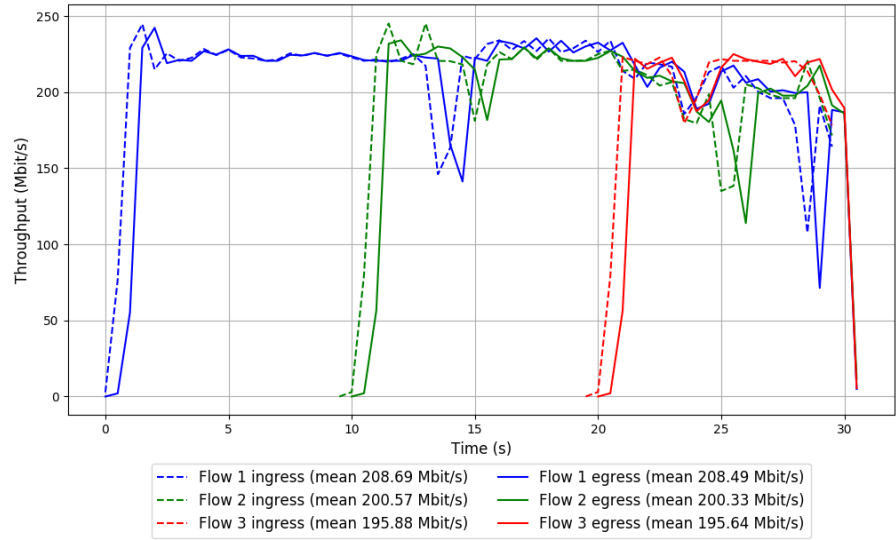
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	213.39	207.01	199.76	66.11	68.52	71.56	0.04	0.04	0.14
Copa	10	87.44	149.56	80.85	55.77	57.86	59.47	0.00	0.00	0.01
TCP Cubic	10	157.30	143.57	87.85	56.04	56.38	56.98	0.00	0.00	0.04
FillP	10	761.55	674.39	549.74	176.11	177.91	136.81	1.36	1.11	0.43
FillP-Sheep	10	0.00	0.00	0.00	52.40	52.67	53.36	0.00	0.00	0.00
Indigo	10	184.09	170.60	148.48	51.36	52.13	53.08	0.00	0.00	0.00
LEDBAT	10	33.14	20.67	11.10	52.37	52.23	52.03	0.00	0.00	0.01
PCC-Allegro	10	519.18	68.92	29.09	165.35	165.33	150.44	1.20	1.30	2.01
PCC-Expr	10	229.87	160.80	60.94	115.43	99.88	98.92	2.70	2.48	3.16
QUIC Cubic	10	52.38	63.27	60.34	52.87	53.33	51.96	0.00	0.01	0.00
SCReAM	10	0.21	0.21	0.22	53.66	52.97	52.31	0.00	0.00	0.07
Sprout	10	6.88	6.89	6.37	52.85	52.48	52.47	0.00	0.00	0.00
TaoVA-100x	10	75.52	109.95	140.81	52.69	52.62	52.39	0.00	0.00	0.00
TCP Vegas	10	99.53	88.45	77.93	52.11	51.75	52.28	0.00	0.00	0.02
Verus	10	204.18	163.82	115.54	136.82	125.13	156.15	0.75	0.59	2.25
PCC-Vivace	10	313.71	258.72	164.78	54.16	53.00	53.49	0.00	0.00	0.02
WebRTC media	10	2.07	1.31	0.55	52.56	51.89	51.59	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-01 16:33:40
End at: 2018-07-01 16:34:10
Local clock offset: 0.033 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-01 20:46:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 407.08 Mbit/s
95th percentile per-packet one-way delay: 76.470 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 208.49 Mbit/s
95th percentile per-packet one-way delay: 72.773 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 200.33 Mbit/s
95th percentile per-packet one-way delay: 77.319 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 195.64 Mbit/s
95th percentile per-packet one-way delay: 80.889 ms
Loss rate: 0.19%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-01 16:58:01

End at: 2018-07-01 16:58:31

Local clock offset: 0.115 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-01 20:47:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 415.63 Mbit/s

95th percentile per-packet one-way delay: 67.960 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 213.65 Mbit/s

95th percentile per-packet one-way delay: 64.528 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 202.51 Mbit/s

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

Loss rate: 0.04%

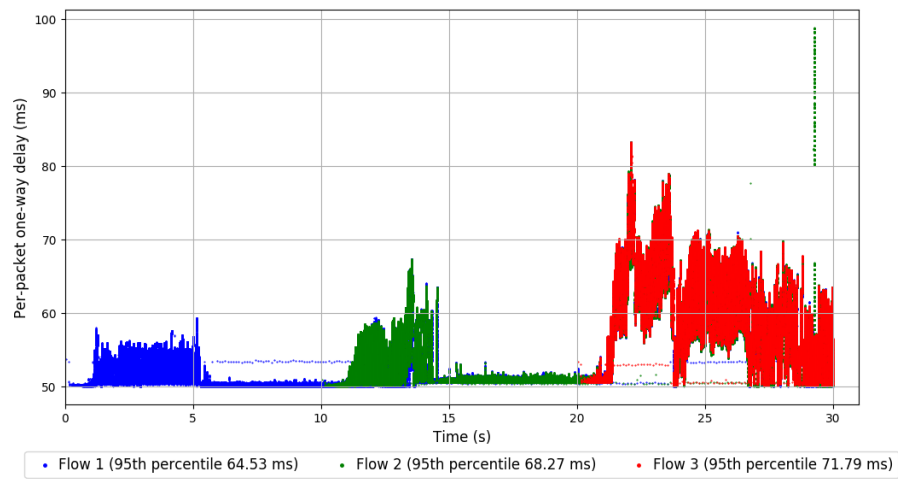
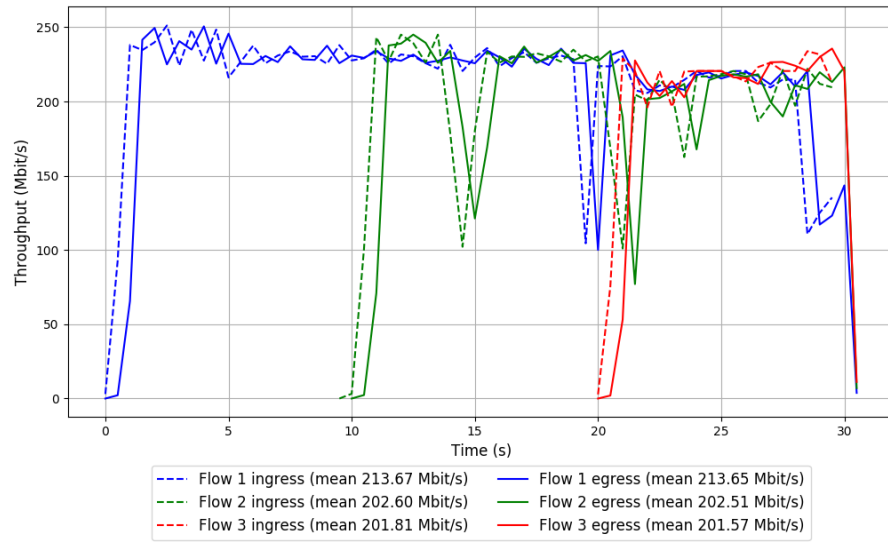
-- Flow 3:

Average throughput: 201.57 Mbit/s

95th percentile per-packet one-way delay: 71.787 ms

Loss rate: 0.14%

Run 2: Report of TCP BBR — Data Link

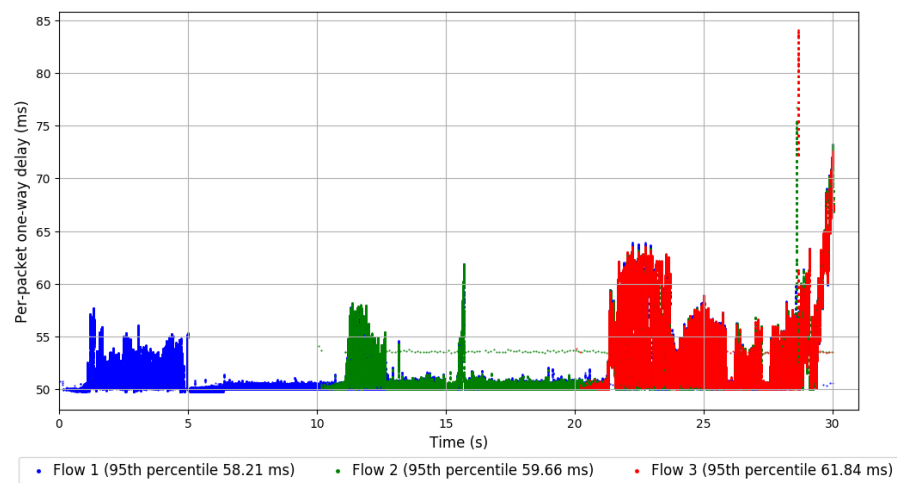
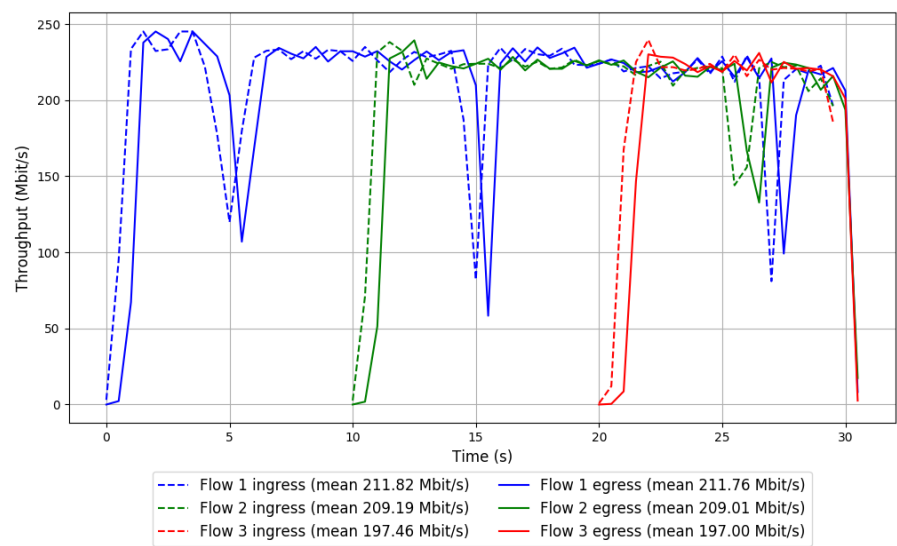


Run 3: Statistics of TCP BBR

Start at: 2018-07-01 17:22:19
End at: 2018-07-01 17:22:49
Local clock offset: 0.022 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-01 20:47:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 416.23 Mbit/s
95th percentile per-packet one-way delay: 59.947 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 211.76 Mbit/s
95th percentile per-packet one-way delay: 58.212 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 209.01 Mbit/s
95th percentile per-packet one-way delay: 59.657 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 197.00 Mbit/s
95th percentile per-packet one-way delay: 61.842 ms
Loss rate: 0.25%

Run 3: Report of TCP BBR — Data Link

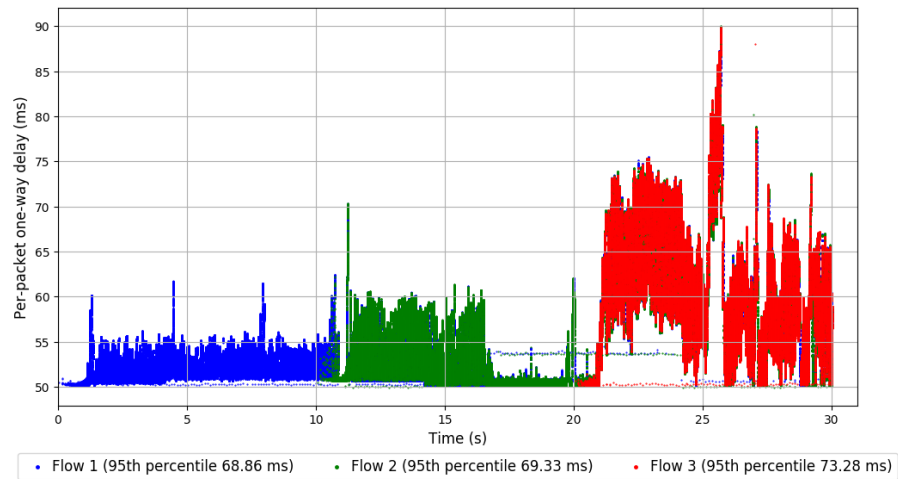
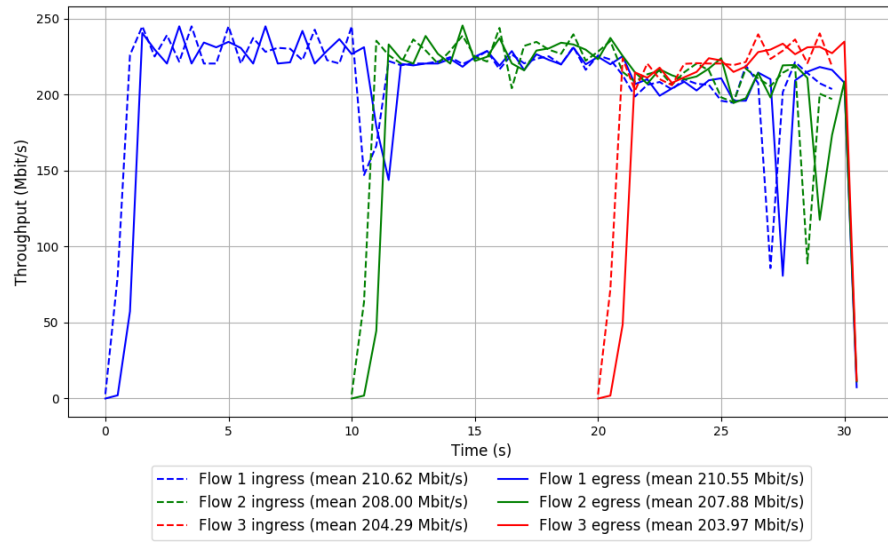


Run 4: Statistics of TCP BBR

Start at: 2018-07-01 17:46:41
End at: 2018-07-01 17:47:11
Local clock offset: -0.116 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2018-07-01 20:47:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 416.81 Mbit/s
95th percentile per-packet one-way delay: 70.365 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 210.55 Mbit/s
95th percentile per-packet one-way delay: 68.860 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 207.88 Mbit/s
95th percentile per-packet one-way delay: 69.330 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 203.97 Mbit/s
95th percentile per-packet one-way delay: 73.277 ms
Loss rate: 0.15%

Run 4: Report of TCP BBR — Data Link

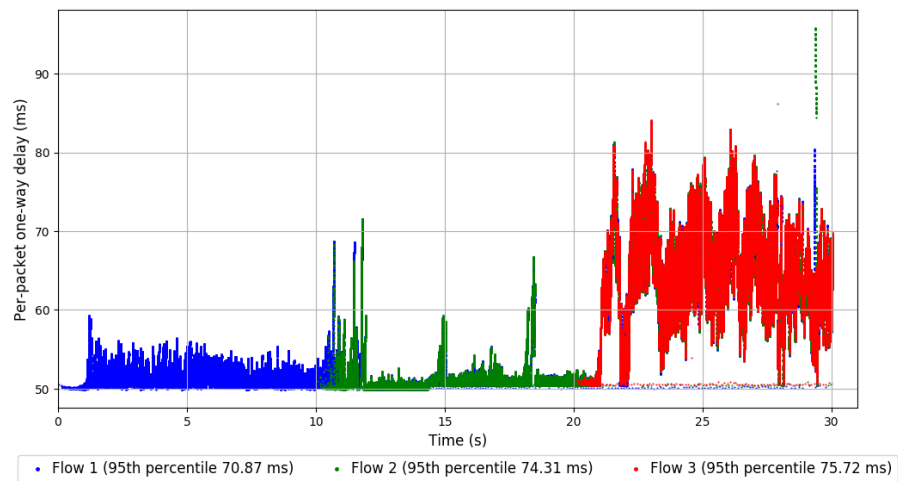
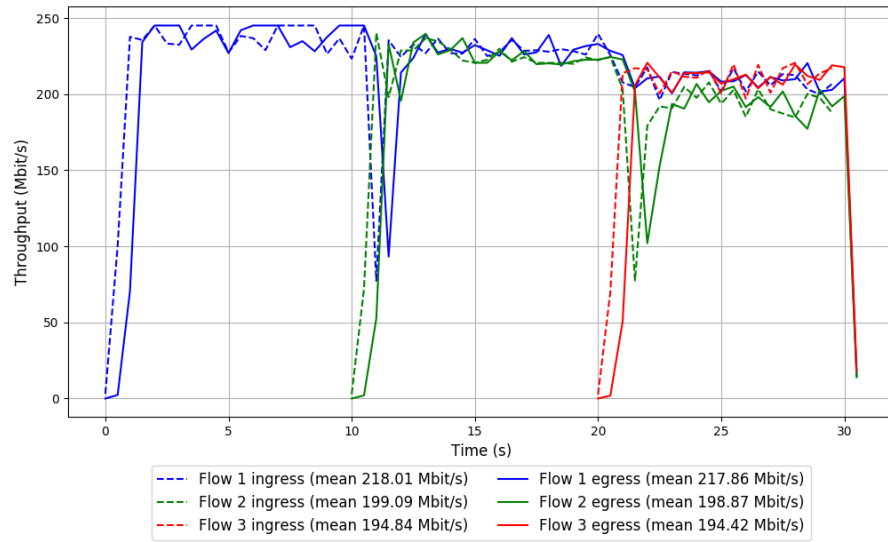


Run 5: Statistics of TCP BBR

Start at: 2018-07-01 18:10:41
End at: 2018-07-01 18:11:11
Local clock offset: 0.172 ms
Remote clock offset: -0.266 ms

Below is generated by plot.py at 2018-07-01 20:47:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 414.97 Mbit/s
95th percentile per-packet one-way delay: 73.573 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 217.86 Mbit/s
95th percentile per-packet one-way delay: 70.873 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 198.87 Mbit/s
95th percentile per-packet one-way delay: 74.306 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 194.42 Mbit/s
95th percentile per-packet one-way delay: 75.715 ms
Loss rate: 0.16%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-01 18:34:29

End at: 2018-07-01 18:34:59

Local clock offset: 0.402 ms

Remote clock offset: 1.388 ms

Below is generated by plot.py at 2018-07-01 20:47:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 418.78 Mbit/s

95th percentile per-packet one-way delay: 69.115 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 210.46 Mbit/s

95th percentile per-packet one-way delay: 67.542 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 211.67 Mbit/s

95th percentile per-packet one-way delay: 69.485 ms

Loss rate: 0.01%

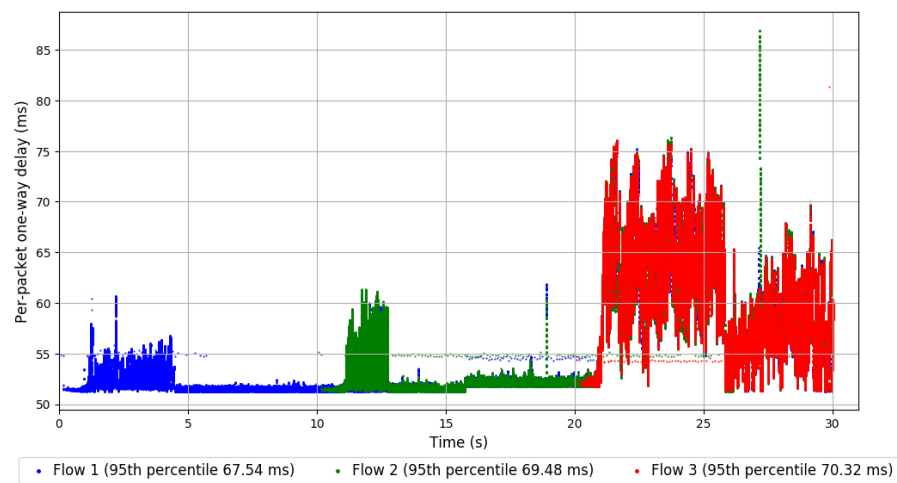
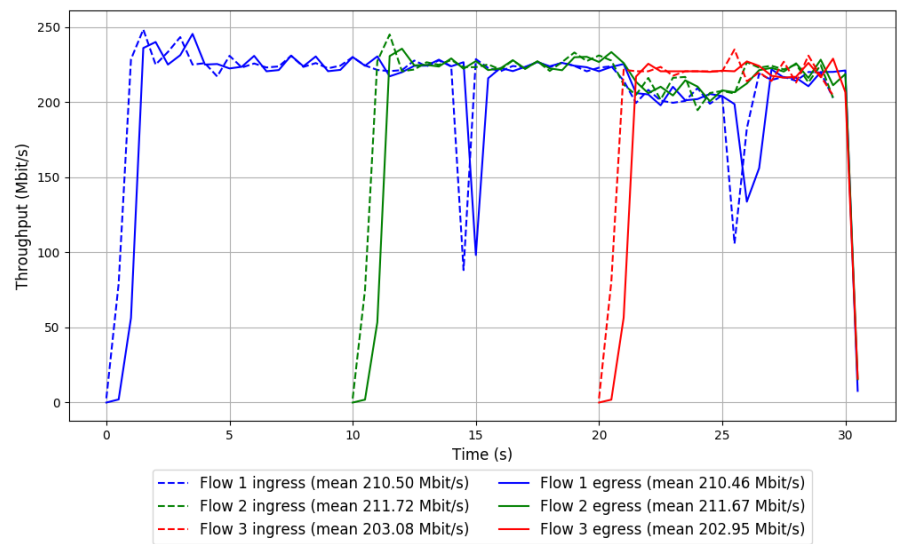
-- Flow 3:

Average throughput: 202.95 Mbit/s

95th percentile per-packet one-way delay: 70.320 ms

Loss rate: 0.09%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-01 18:58:26

End at: 2018-07-01 18:58:56

Local clock offset: -0.033 ms

Remote clock offset: 1.475 ms

Below is generated by plot.py at 2018-07-01 20:47:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 424.21 Mbit/s

95th percentile per-packet one-way delay: 67.336 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 217.51 Mbit/s

95th percentile per-packet one-way delay: 65.768 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 209.76 Mbit/s

95th percentile per-packet one-way delay: 67.739 ms

Loss rate: 0.06%

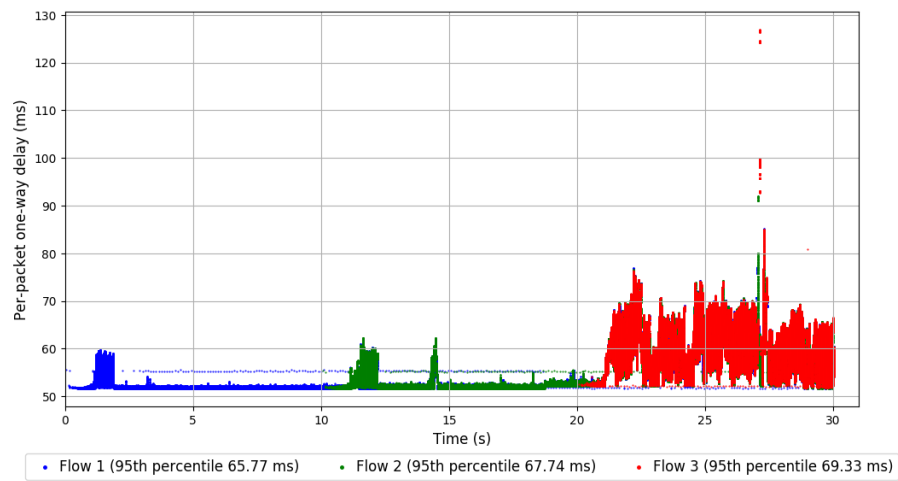
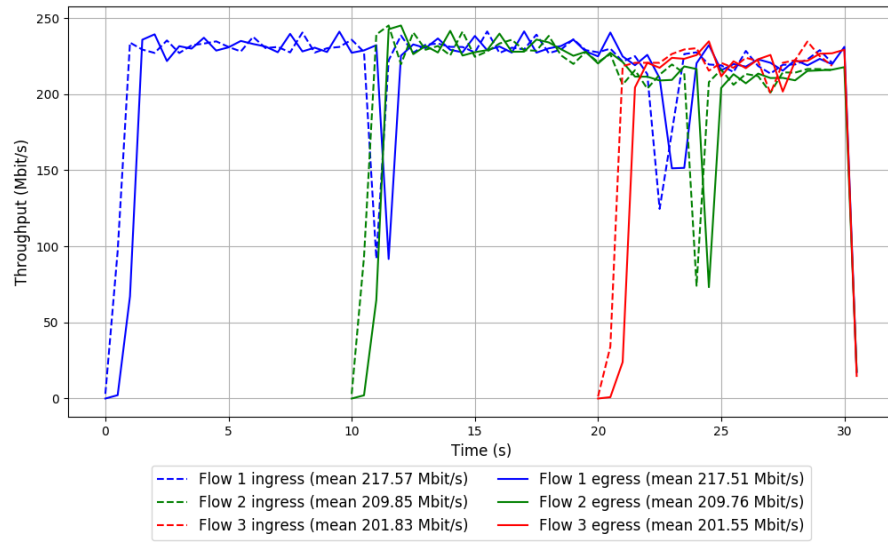
-- Flow 3:

Average throughput: 201.55 Mbit/s

95th percentile per-packet one-way delay: 69.334 ms

Loss rate: 0.14%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-01 19:22:16

End at: 2018-07-01 19:22:46

Local clock offset: -0.352 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-07-01 20:47:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 413.18 Mbit/s

95th percentile per-packet one-way delay: 68.370 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 212.55 Mbit/s

95th percentile per-packet one-way delay: 65.910 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 206.64 Mbit/s

95th percentile per-packet one-way delay: 68.231 ms

Loss rate: 0.00%

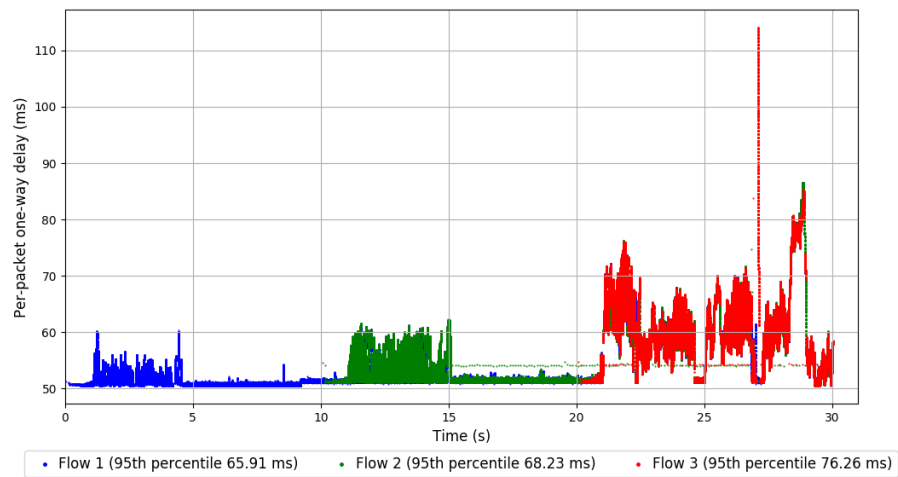
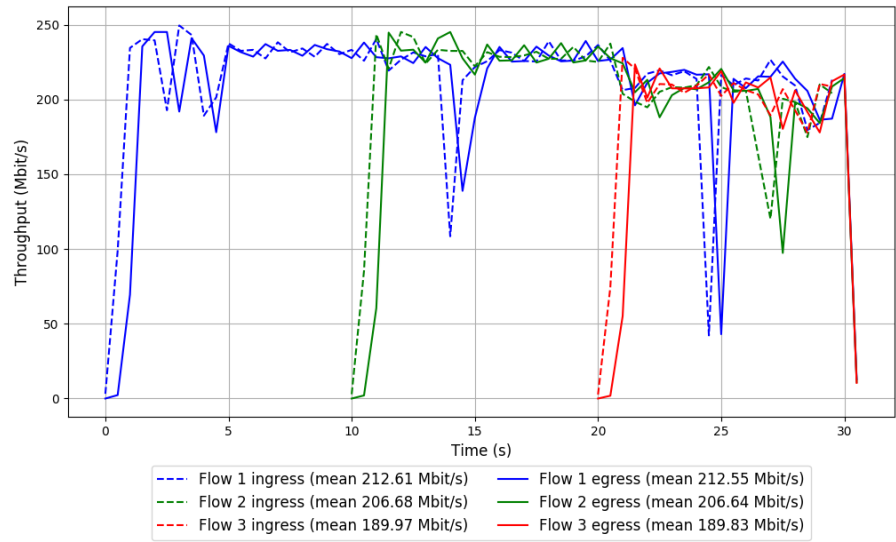
-- Flow 3:

Average throughput: 189.83 Mbit/s

95th percentile per-packet one-way delay: 76.261 ms

Loss rate: 0.10%

Run 8: Report of TCP BBR — Data Link

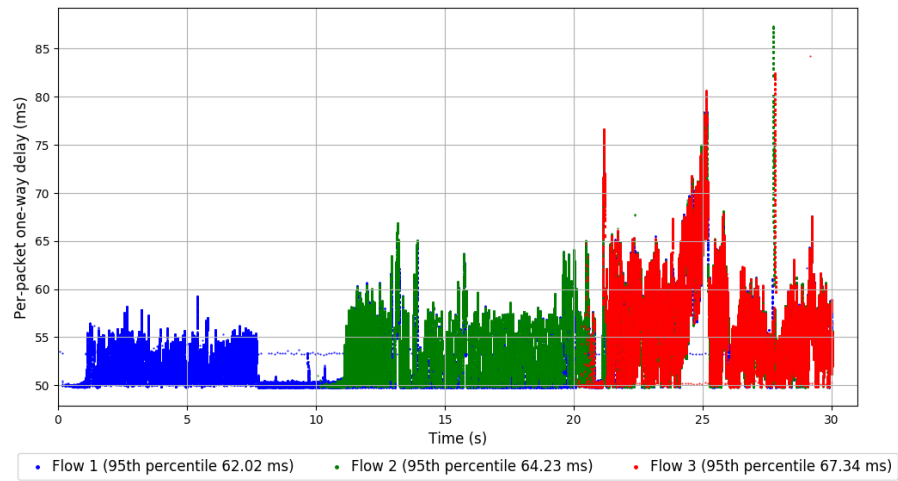
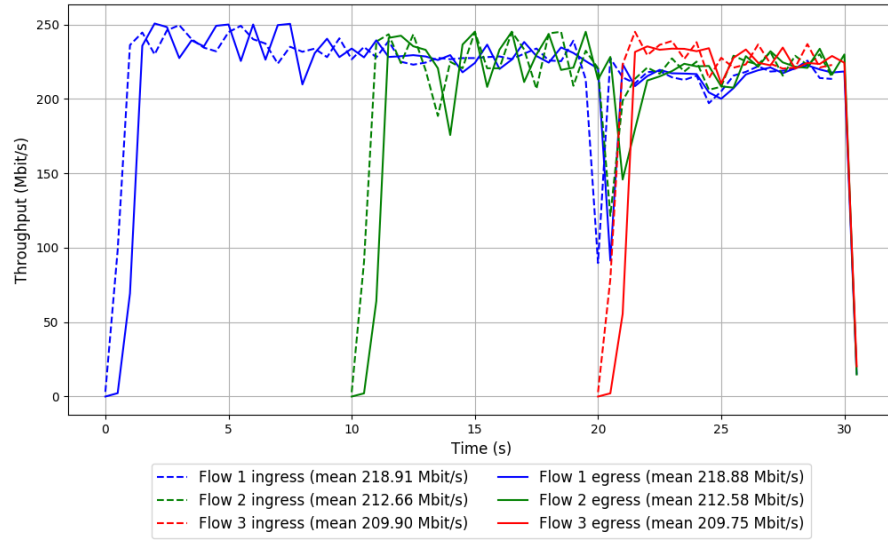


Run 9: Statistics of TCP BBR

Start at: 2018-07-01 19:46:25
End at: 2018-07-01 19:46:55
Local clock offset: -0.024 ms
Remote clock offset: -0.241 ms

Below is generated by plot.py at 2018-07-01 20:54:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 430.26 Mbit/s
95th percentile per-packet one-way delay: 63.783 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 218.88 Mbit/s
95th percentile per-packet one-way delay: 62.019 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 212.58 Mbit/s
95th percentile per-packet one-way delay: 64.235 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 209.75 Mbit/s
95th percentile per-packet one-way delay: 67.340 ms
Loss rate: 0.07%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-01 20:10:35

End at: 2018-07-01 20:11:05

Local clock offset: 0.034 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-07-01 20:54:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 419.39 Mbit/s

95th percentile per-packet one-way delay: 66.371 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 212.24 Mbit/s

95th percentile per-packet one-way delay: 64.604 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 210.87 Mbit/s

95th percentile per-packet one-way delay: 66.660 ms

Loss rate: 0.00%

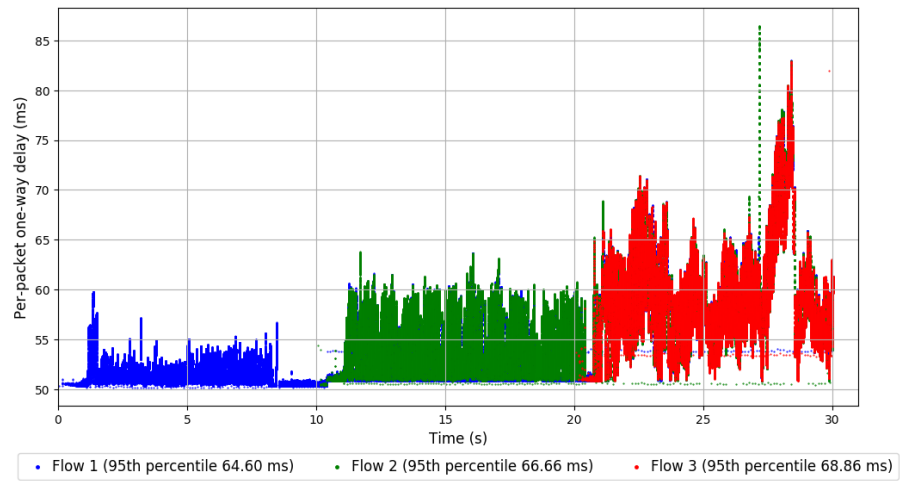
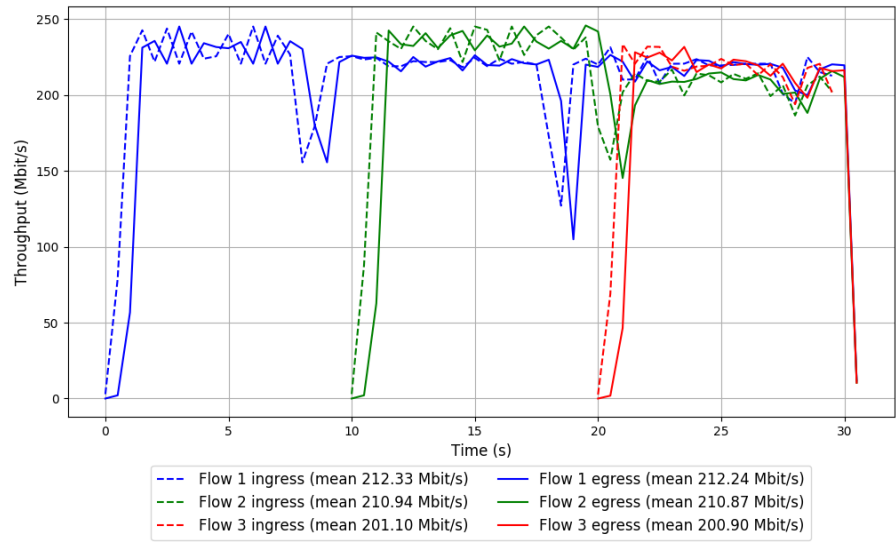
-- Flow 3:

Average throughput: 200.90 Mbit/s

95th percentile per-packet one-way delay: 68.856 ms

Loss rate: 0.10%

Run 10: Report of TCP BBR — Data Link

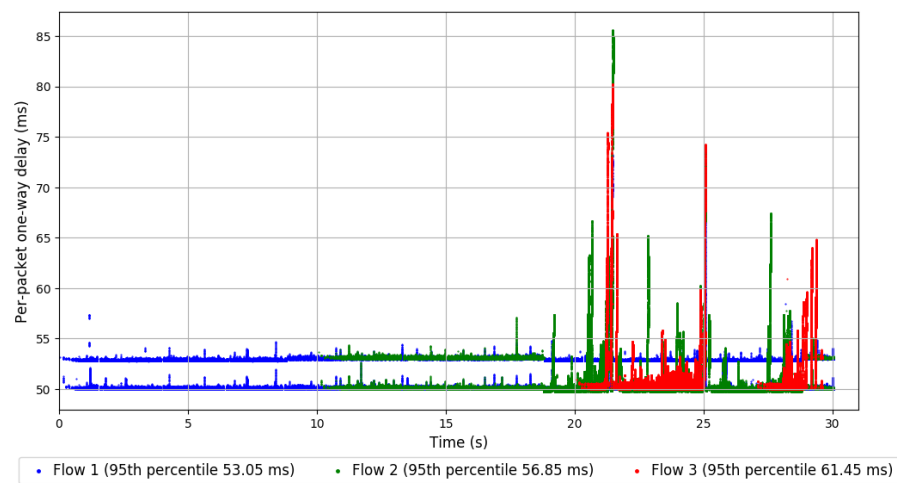
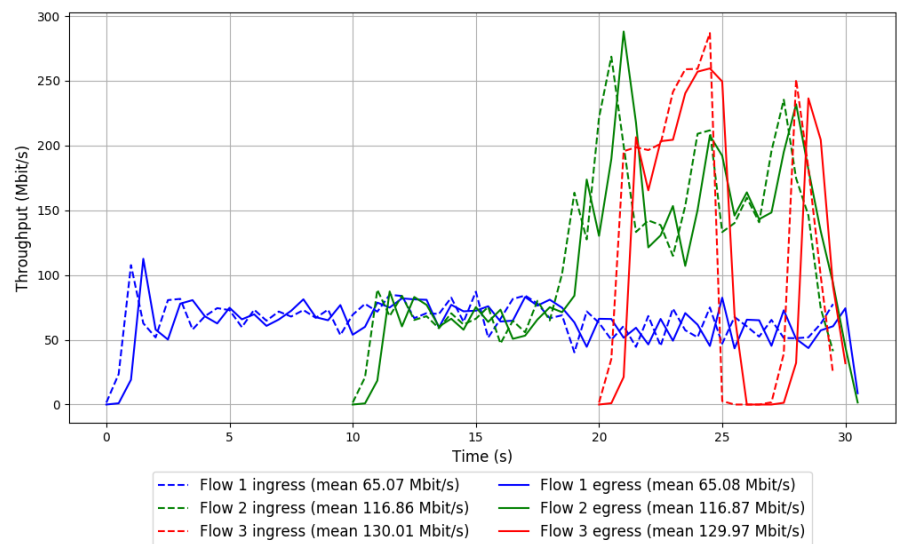


Run 1: Statistics of Copa

Start at: 2018-07-01 16:37:56
End at: 2018-07-01 16:38:26
Local clock offset: 0.018 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-07-01 20:54:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 184.21 Mbit/s
95th percentile per-packet one-way delay: 55.670 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.08 Mbit/s
95th percentile per-packet one-way delay: 53.055 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 116.87 Mbit/s
95th percentile per-packet one-way delay: 56.850 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 129.97 Mbit/s
95th percentile per-packet one-way delay: 61.446 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-01 17:02:20

End at: 2018-07-01 17:02:50

Local clock offset: -0.101 ms

Remote clock offset: -0.25 ms

Below is generated by plot.py at 2018-07-01 20:55:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 247.42 Mbit/s

95th percentile per-packet one-way delay: 56.536 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 85.87 Mbit/s

95th percentile per-packet one-way delay: 54.802 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 236.14 Mbit/s

95th percentile per-packet one-way delay: 56.961 ms

Loss rate: 0.00%

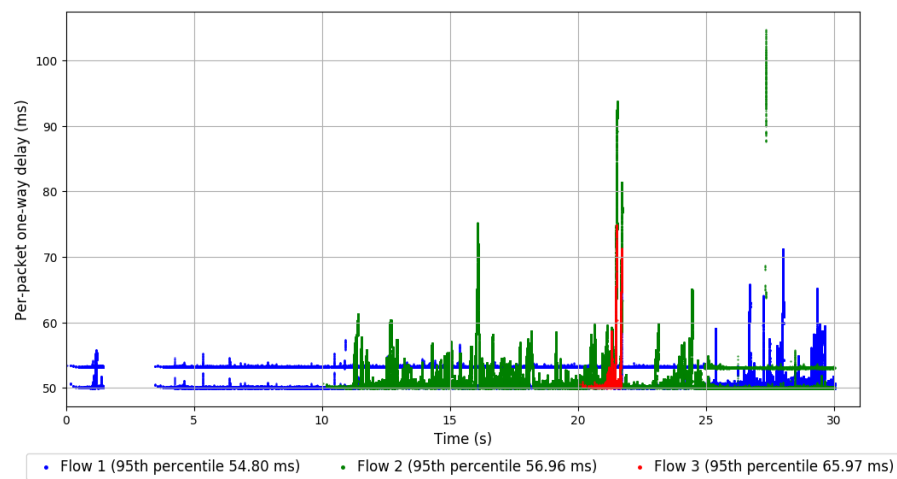
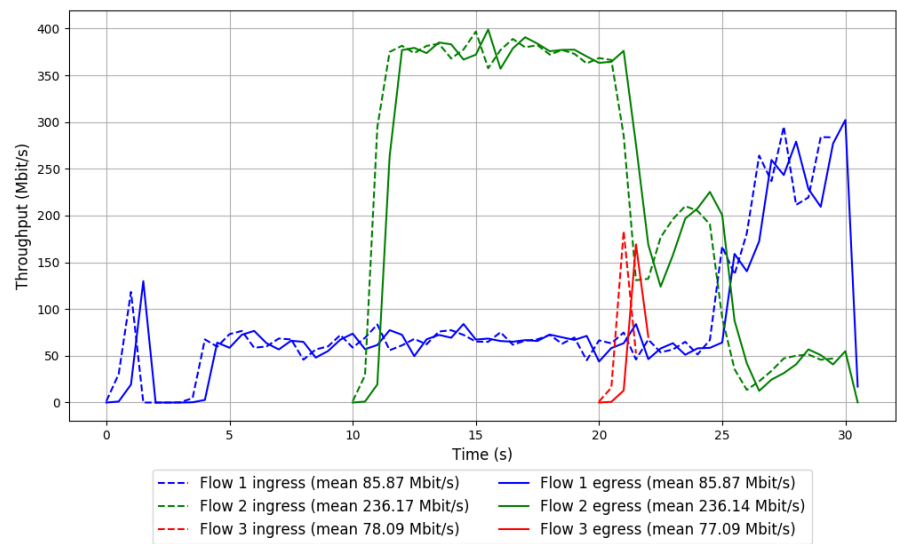
-- Flow 3:

Average throughput: 77.09 Mbit/s

95th percentile per-packet one-way delay: 65.971 ms

Loss rate: 0.01%

Run 2: Report of Copa — Data Link

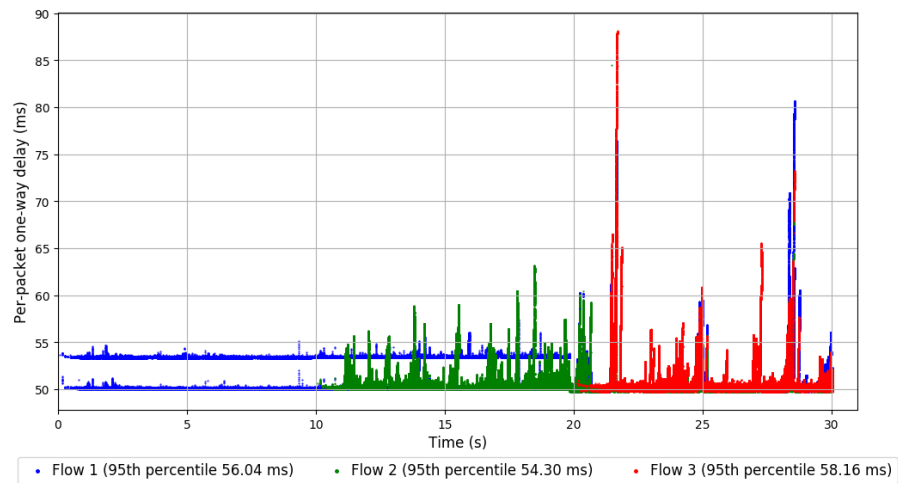
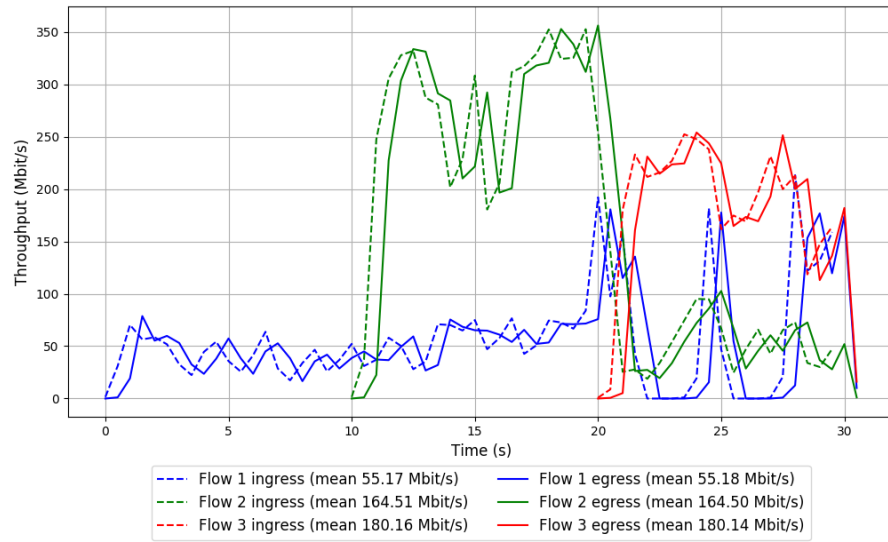


Run 3: Statistics of Copa

Start at: 2018-07-01 17:26:35
End at: 2018-07-01 17:27:05
Local clock offset: 0.018 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-07-01 20:55:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 224.63 Mbit/s
95th percentile per-packet one-way delay: 55.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.18 Mbit/s
95th percentile per-packet one-way delay: 56.036 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 164.50 Mbit/s
95th percentile per-packet one-way delay: 54.297 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 180.14 Mbit/s
95th percentile per-packet one-way delay: 58.165 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-01 17:51:00

End at: 2018-07-01 17:51:30

Local clock offset: 0.026 ms

Remote clock offset: 0.976 ms

Below is generated by plot.py at 2018-07-01 20:55:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 210.21 Mbit/s

95th percentile per-packet one-way delay: 59.130 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 63.07 Mbit/s

95th percentile per-packet one-way delay: 56.138 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 189.68 Mbit/s

95th percentile per-packet one-way delay: 60.645 ms

Loss rate: 0.00%

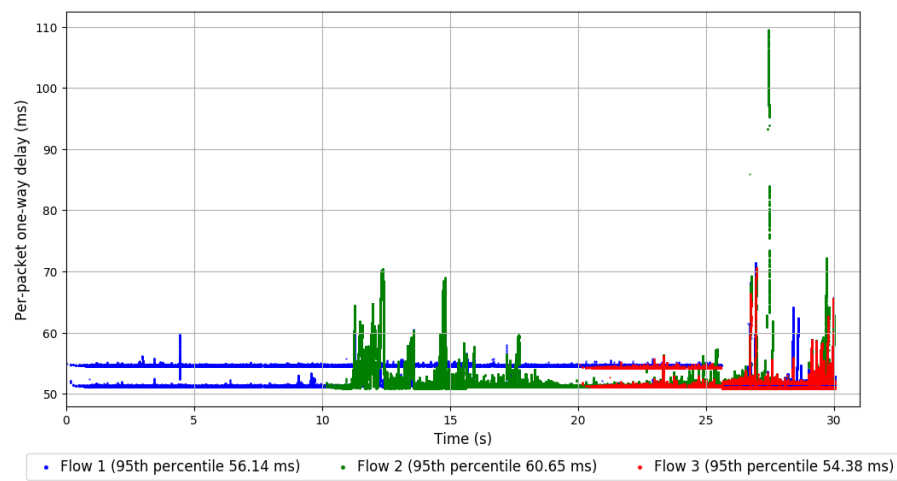
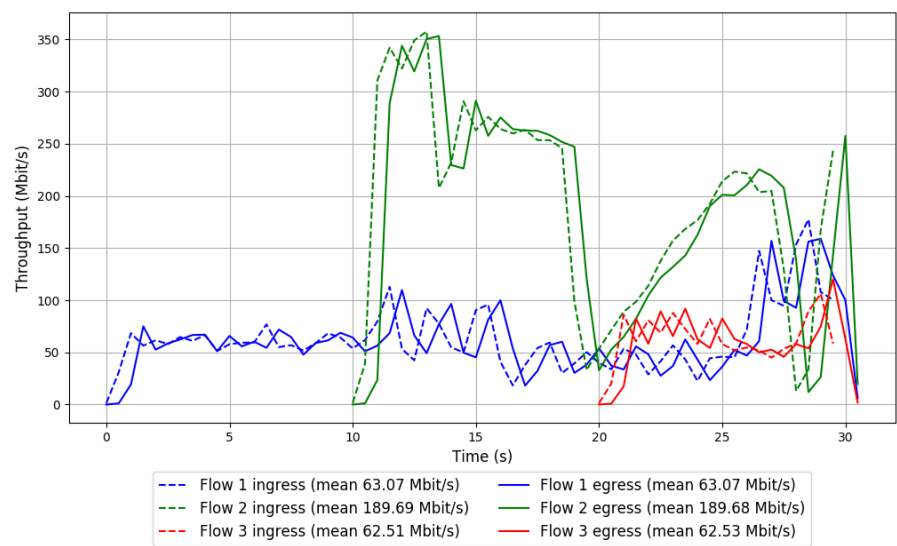
-- Flow 3:

Average throughput: 62.53 Mbit/s

95th percentile per-packet one-way delay: 54.379 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-01 18:14:58

End at: 2018-07-01 18:15:28

Local clock offset: 0.301 ms

Remote clock offset: 1.147 ms

Below is generated by plot.py at 2018-07-01 20:55:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 200.57 Mbit/s

95th percentile per-packet one-way delay: 61.143 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 83.61 Mbit/s

95th percentile per-packet one-way delay: 58.982 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 135.27 Mbit/s

95th percentile per-packet one-way delay: 60.434 ms

Loss rate: 0.00%

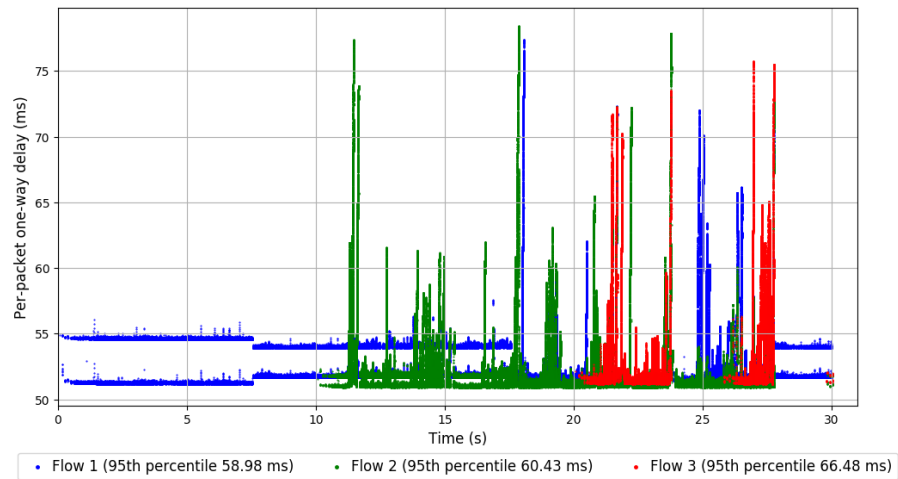
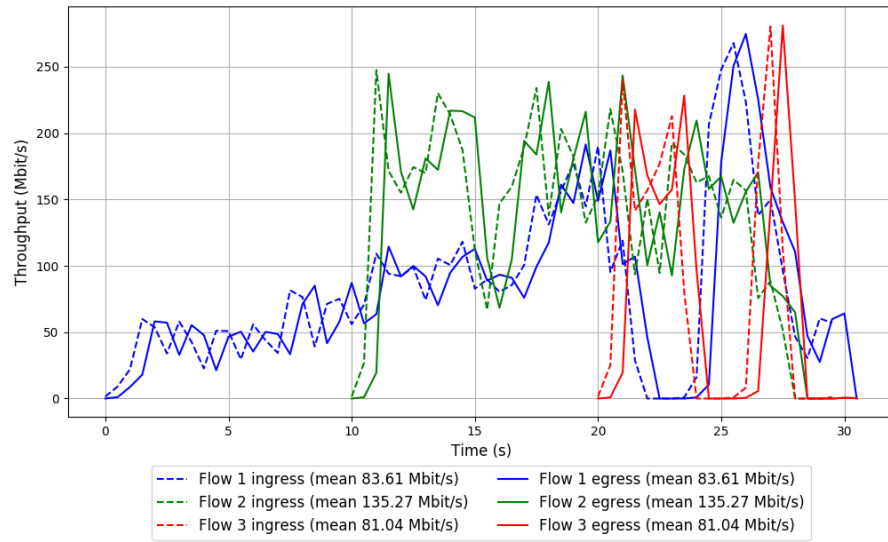
-- Flow 3:

Average throughput: 81.04 Mbit/s

95th percentile per-packet one-way delay: 66.477 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

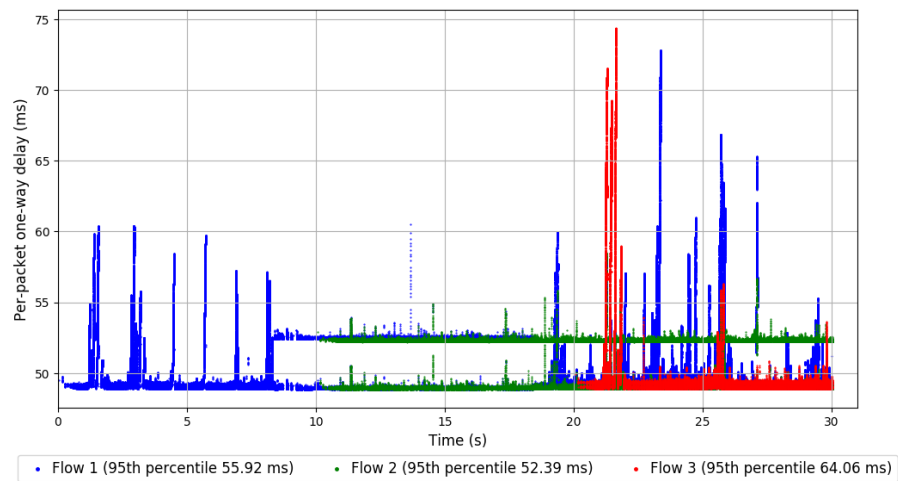
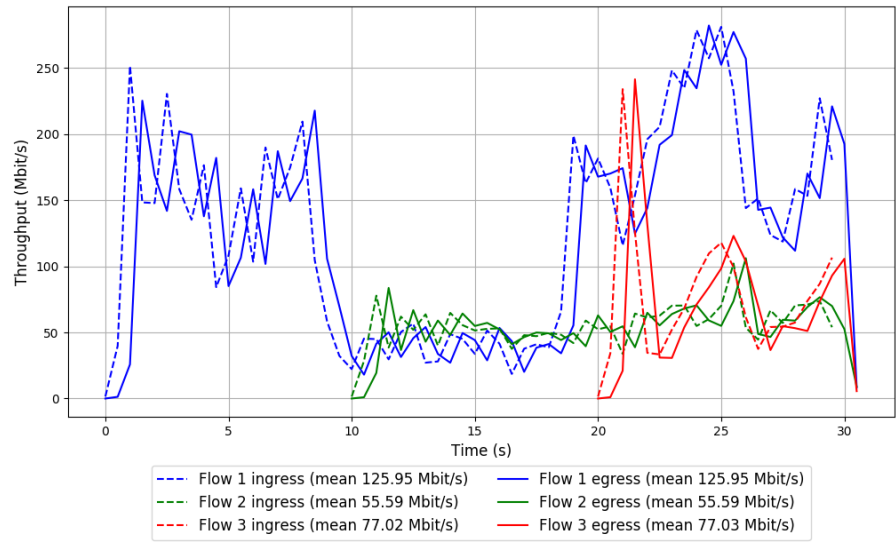


Run 6: Statistics of Copa

Start at: 2018-07-01 18:38:47
End at: 2018-07-01 18:39:17
Local clock offset: 0.03 ms
Remote clock offset: -1.335 ms

Below is generated by plot.py at 2018-07-01 20:55:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 188.57 Mbit/s
95th percentile per-packet one-way delay: 55.577 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 125.95 Mbit/s
95th percentile per-packet one-way delay: 55.918 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 55.59 Mbit/s
95th percentile per-packet one-way delay: 52.392 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 77.03 Mbit/s
95th percentile per-packet one-way delay: 64.059 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

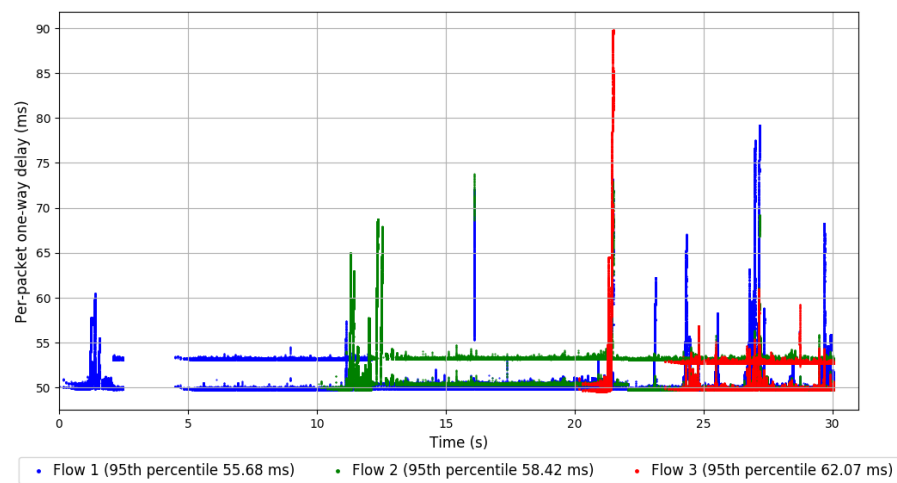
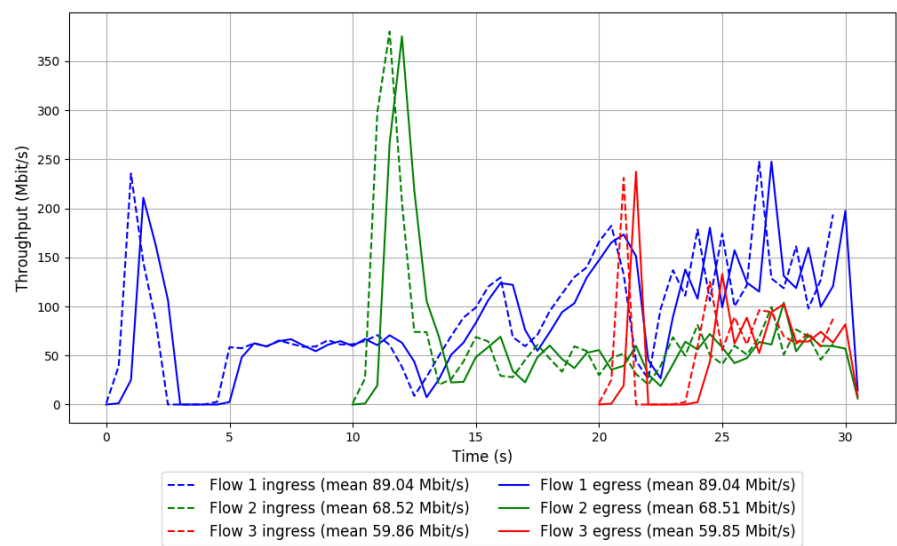


Run 7: Statistics of Copa

Start at: 2018-07-01 19:02:43
End at: 2018-07-01 19:03:13
Local clock offset: 0.048 ms
Remote clock offset: -0.341 ms

Below is generated by plot.py at 2018-07-01 20:57:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 154.55 Mbit/s
95th percentile per-packet one-way delay: 56.931 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.04 Mbit/s
95th percentile per-packet one-way delay: 55.682 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.51 Mbit/s
95th percentile per-packet one-way delay: 58.425 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.85 Mbit/s
95th percentile per-packet one-way delay: 62.069 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

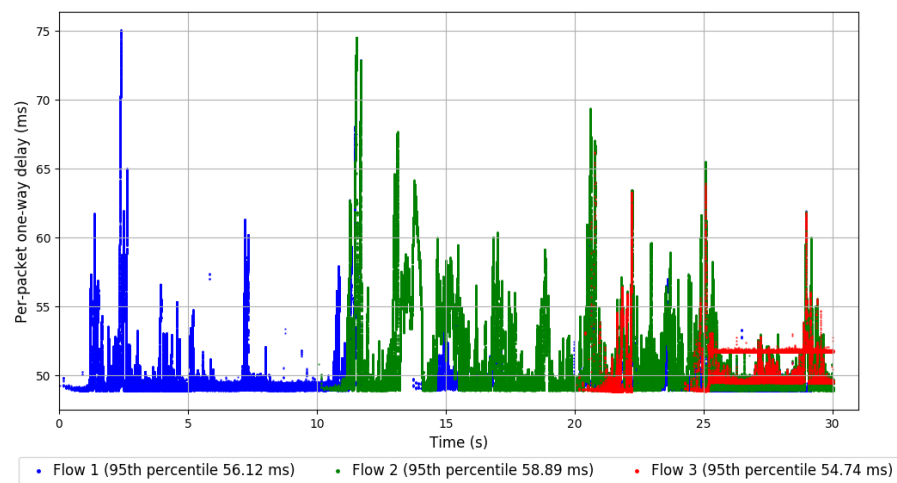
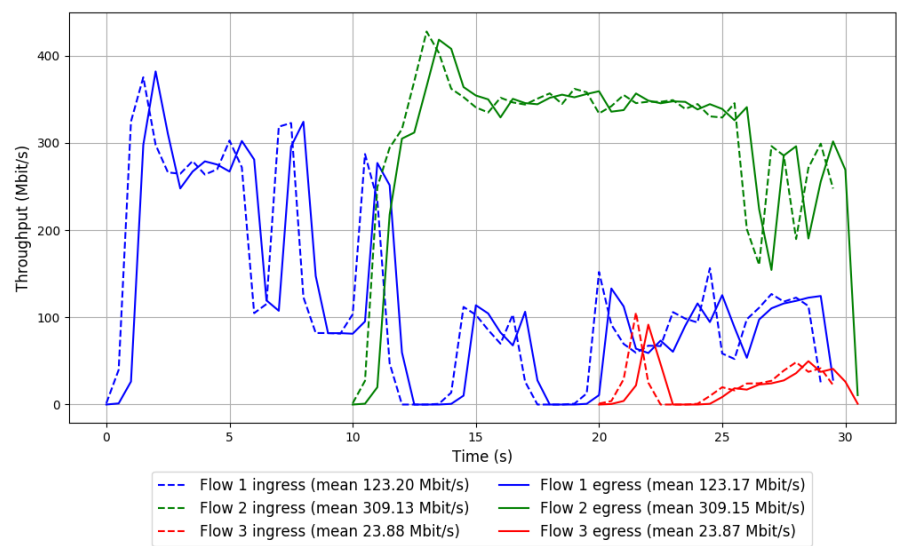


Run 8: Statistics of Copa

Start at: 2018-07-01 19:26:30
End at: 2018-07-01 19:27:00
Local clock offset: -0.251 ms
Remote clock offset: -1.364 ms

Below is generated by plot.py at 2018-07-01 21:04:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 333.41 Mbit/s
95th percentile per-packet one-way delay: 58.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.17 Mbit/s
95th percentile per-packet one-way delay: 56.124 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 309.15 Mbit/s
95th percentile per-packet one-way delay: 58.886 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 54.742 ms
Loss rate: 0.03%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-01 19:50:45

End at: 2018-07-01 19:51:15

Local clock offset: -0.135 ms

Remote clock offset: 1.393 ms

Below is generated by plot.py at 2018-07-01 21:04:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 178.12 Mbit/s

95th percentile per-packet one-way delay: 55.502 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 112.76 Mbit/s

95th percentile per-packet one-way delay: 57.489 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 66.89 Mbit/s

95th percentile per-packet one-way delay: 54.968 ms

Loss rate: 0.00%

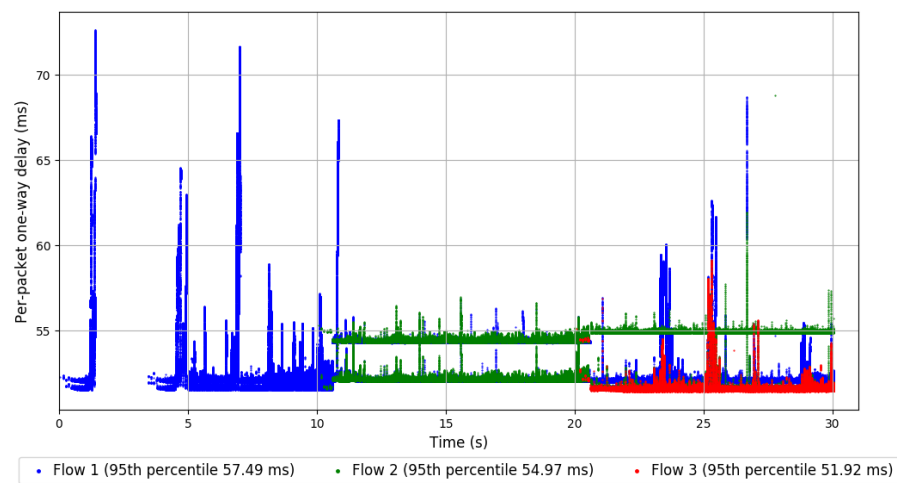
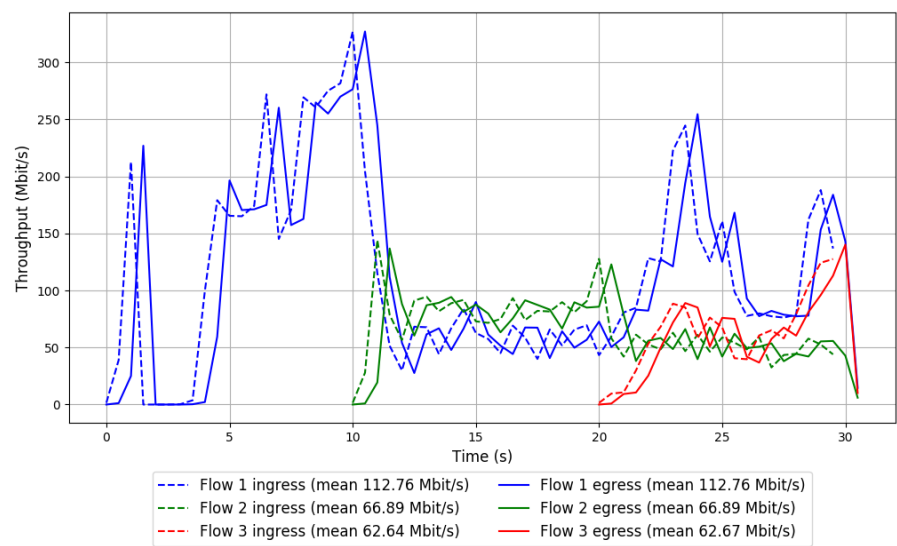
-- Flow 3:

Average throughput: 62.67 Mbit/s

95th percentile per-packet one-way delay: 51.924 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-01 20:14:52

End at: 2018-07-01 20:15:22

Local clock offset: 0.411 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-01 21:04:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 190.34 Mbit/s

95th percentile per-packet one-way delay: 60.339 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 70.63 Mbit/s

95th percentile per-packet one-way delay: 53.473 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 153.05 Mbit/s

95th percentile per-packet one-way delay: 64.732 ms

Loss rate: 0.00%

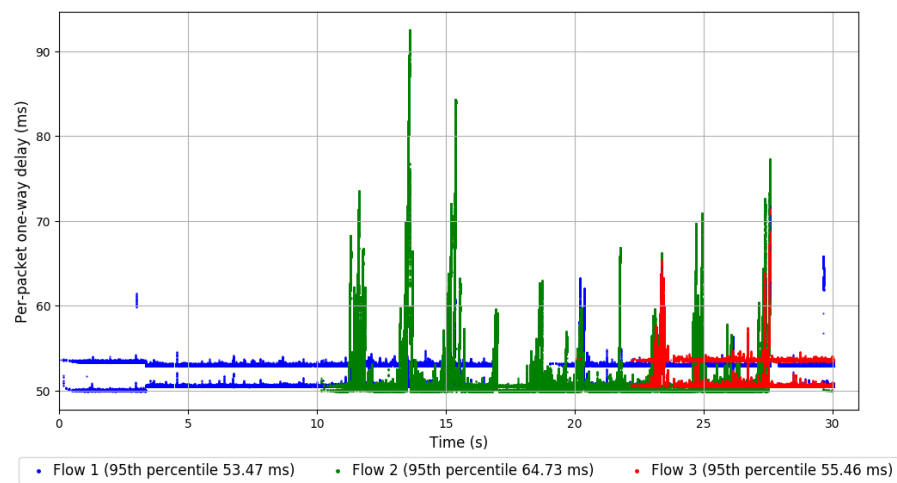
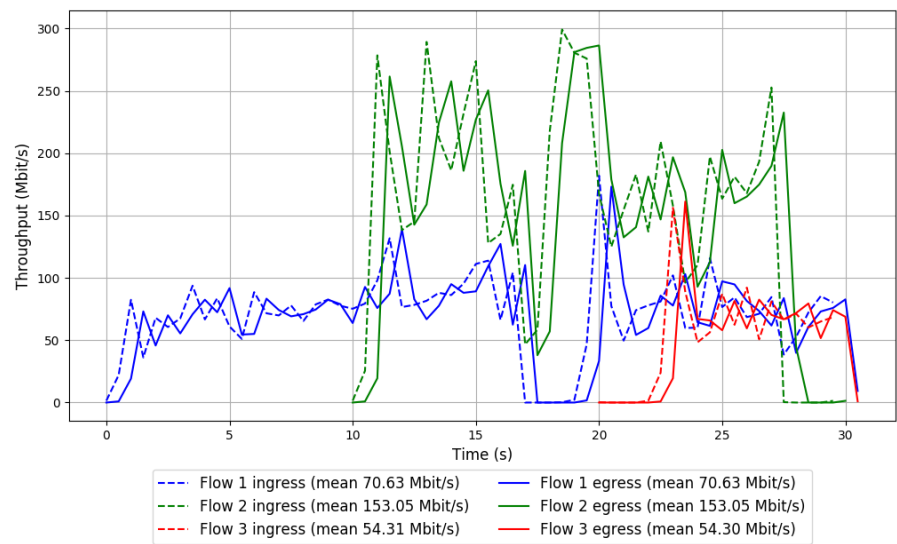
-- Flow 3:

Average throughput: 54.30 Mbit/s

95th percentile per-packet one-way delay: 55.462 ms

Loss rate: 0.02%

Run 10: Report of Copa — Data Link

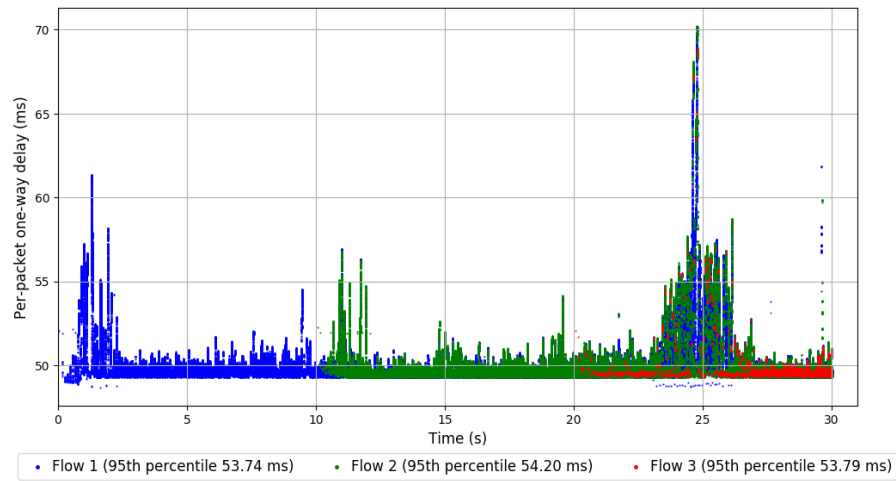
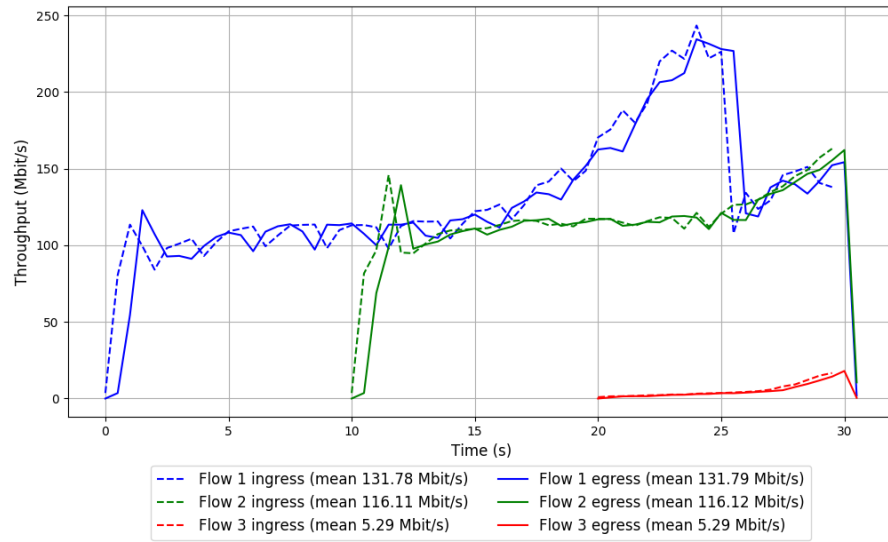


Run 1: Statistics of TCP Cubic

Start at: 2018-07-01 16:44:04
End at: 2018-07-01 16:44:34
Local clock offset: 0.0 ms
Remote clock offset: -1.389 ms

Below is generated by plot.py at 2018-07-01 21:04:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 210.86 Mbit/s
95th percentile per-packet one-way delay: 53.881 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.79 Mbit/s
95th percentile per-packet one-way delay: 53.737 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 116.12 Mbit/s
95th percentile per-packet one-way delay: 54.204 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.29 Mbit/s
95th percentile per-packet one-way delay: 53.790 ms
Loss rate: 0.11%

Run 1: Report of TCP Cubic — Data Link

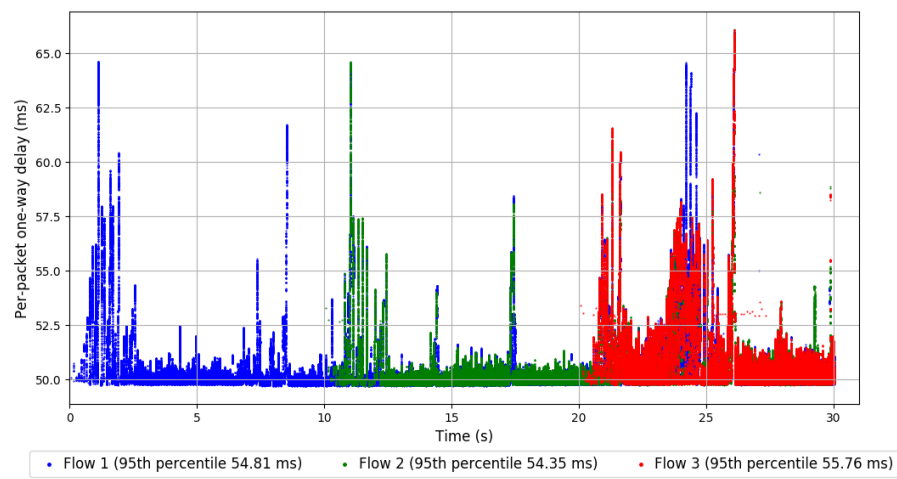
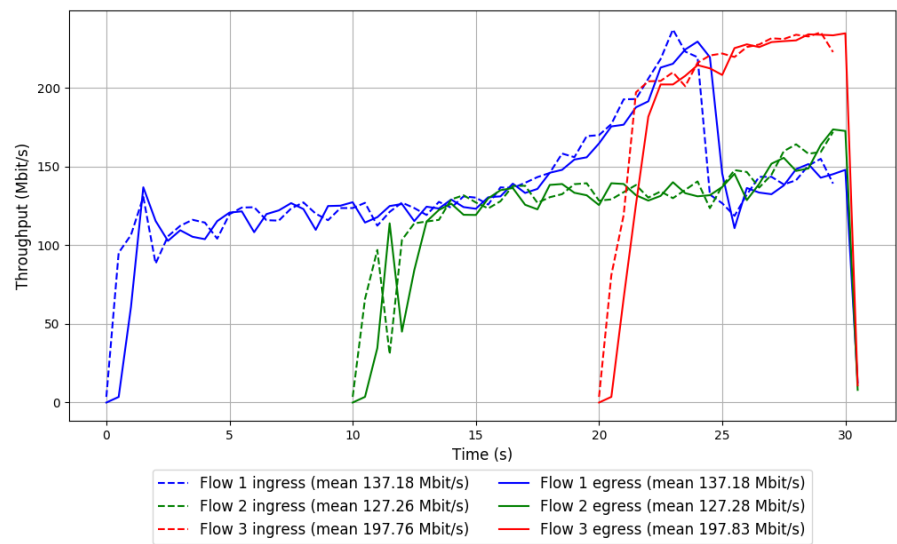


Run 2: Statistics of TCP Cubic

Start at: 2018-07-01 17:08:38
End at: 2018-07-01 17:09:08
Local clock offset: 0.063 ms
Remote clock offset: -0.308 ms

Below is generated by plot.py at 2018-07-01 21:04:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 287.62 Mbit/s
95th percentile per-packet one-way delay: 55.030 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 137.18 Mbit/s
95th percentile per-packet one-way delay: 54.806 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 127.28 Mbit/s
95th percentile per-packet one-way delay: 54.354 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 197.83 Mbit/s
95th percentile per-packet one-way delay: 55.757 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-01 17:32:48

End at: 2018-07-01 17:33:18

Local clock offset: -0.046 ms

Remote clock offset: 0.996 ms

Below is generated by plot.py at 2018-07-01 21:04:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 311.59 Mbit/s

95th percentile per-packet one-way delay: 57.100 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 215.72 Mbit/s

95th percentile per-packet one-way delay: 57.337 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 141.39 Mbit/s

95th percentile per-packet one-way delay: 56.484 ms

Loss rate: 0.00%

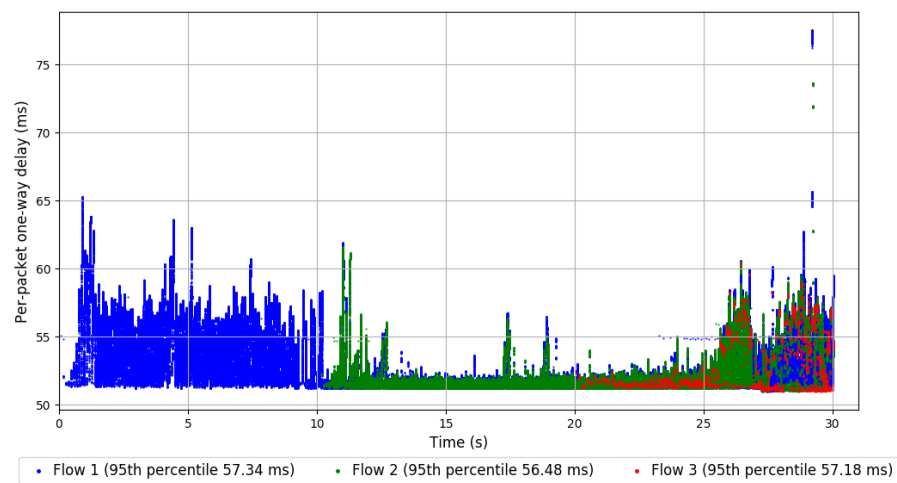
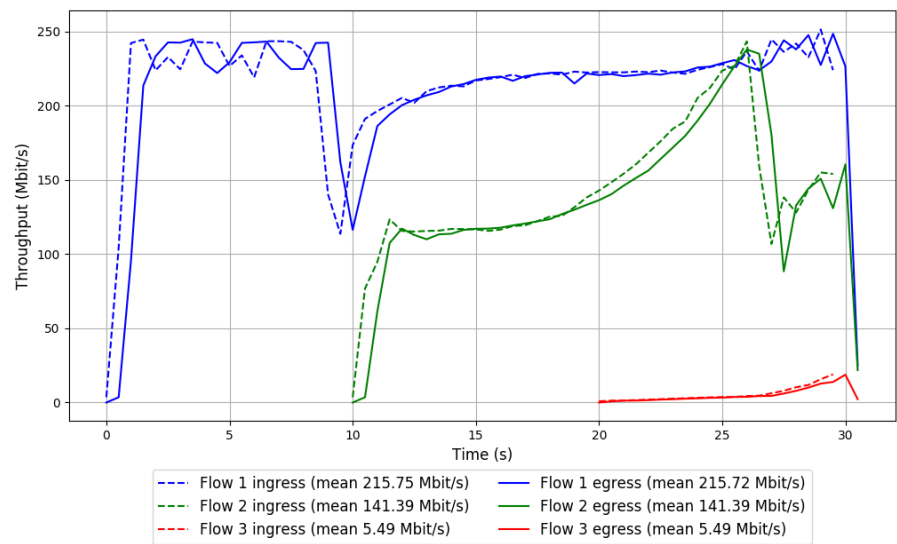
-- Flow 3:

Average throughput: 5.49 Mbit/s

95th percentile per-packet one-way delay: 57.183 ms

Loss rate: 0.07%

Run 3: Report of TCP Cubic — Data Link

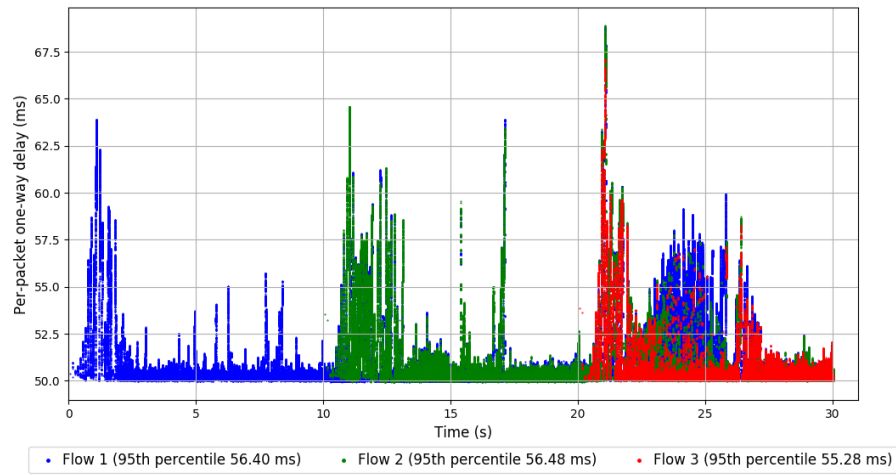
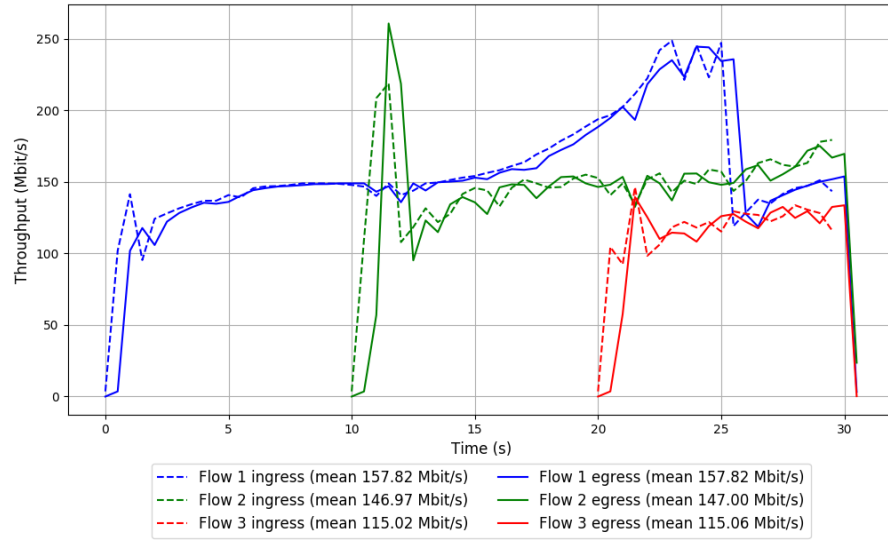


Run 4: Statistics of TCP Cubic

Start at: 2018-07-01 17:57:15
End at: 2018-07-01 17:57:45
Local clock offset: -0.004 ms
Remote clock offset: -0.299 ms

```
# Below is generated by plot.py at 2018-07-01 21:04:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 293.90 Mbit/s
95th percentile per-packet one-way delay: 56.341 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 157.82 Mbit/s
95th percentile per-packet one-way delay: 56.400 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 147.00 Mbit/s
95th percentile per-packet one-way delay: 56.478 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 115.06 Mbit/s
95th percentile per-packet one-way delay: 55.279 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Cubic — Data Link

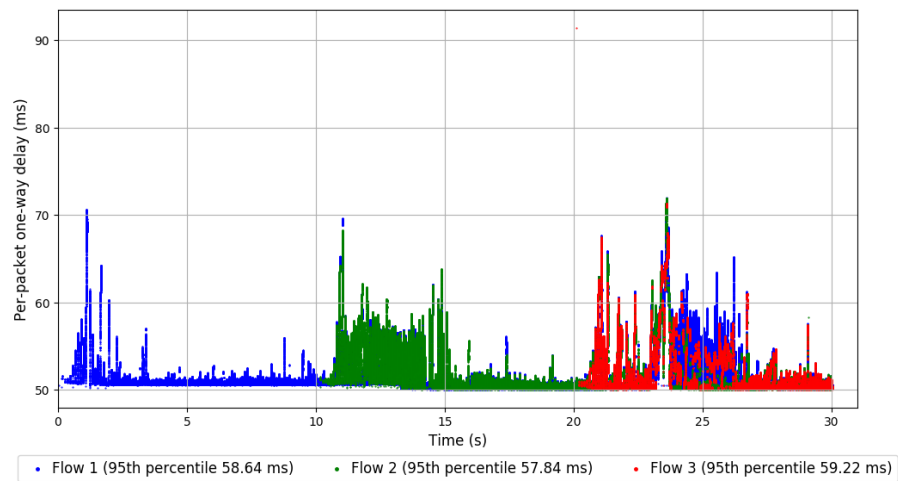
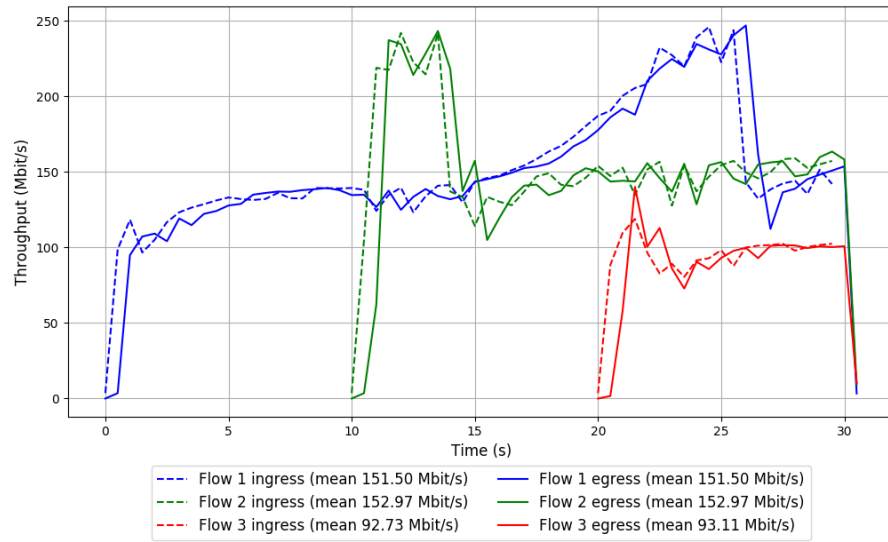


Run 5: Statistics of TCP Cubic

Start at: 2018-07-01 18:21:12
End at: 2018-07-01 18:21:42
Local clock offset: 0.128 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-07-01 21:04:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 284.24 Mbit/s
95th percentile per-packet one-way delay: 58.367 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 151.50 Mbit/s
95th percentile per-packet one-way delay: 58.644 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 152.97 Mbit/s
95th percentile per-packet one-way delay: 57.835 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 59.221 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-01 18:44:58

End at: 2018-07-01 18:45:28

Local clock offset: 0.025 ms

Remote clock offset: 0.355 ms

Below is generated by plot.py at 2018-07-01 21:04:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 234.36 Mbit/s

95th percentile per-packet one-way delay: 56.163 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 142.36 Mbit/s

95th percentile per-packet one-way delay: 56.143 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 135.74 Mbit/s

95th percentile per-packet one-way delay: 56.195 ms

Loss rate: 0.00%

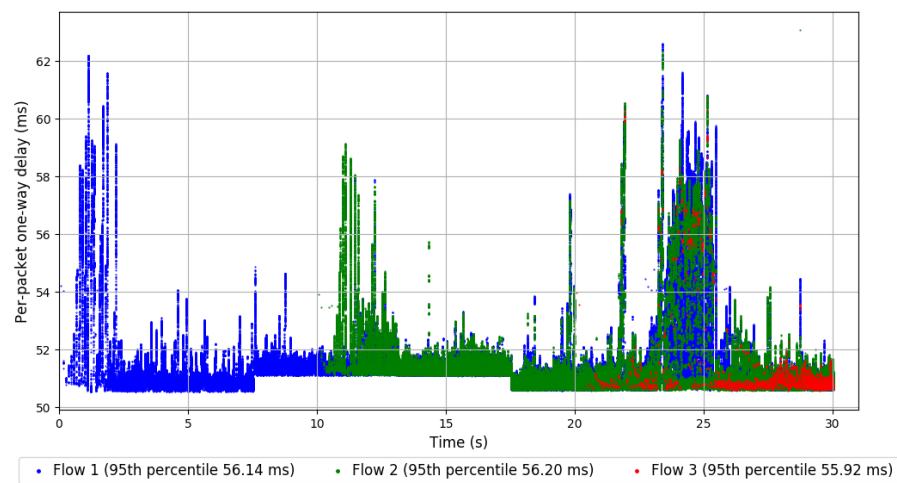
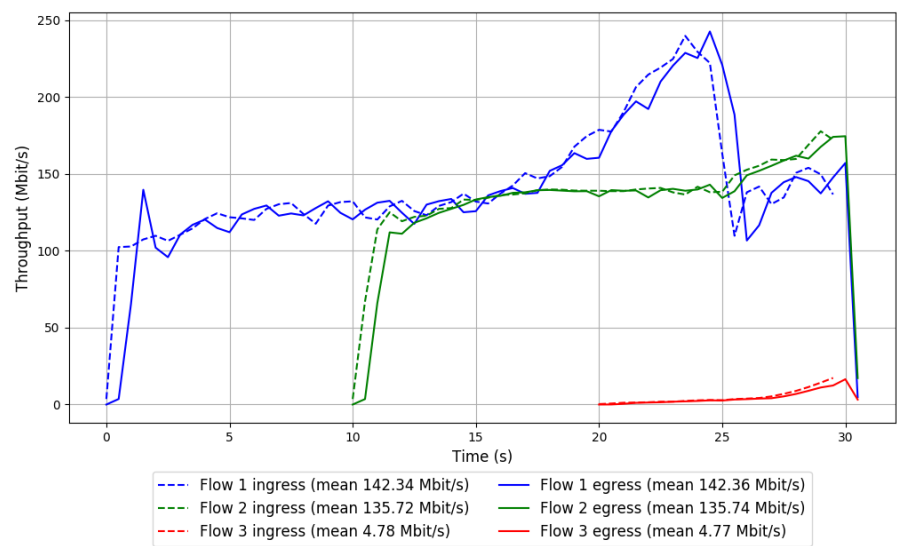
-- Flow 3:

Average throughput: 4.77 Mbit/s

95th percentile per-packet one-way delay: 55.924 ms

Loss rate: 0.25%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-01 19:08:51

End at: 2018-07-01 19:09:21

Local clock offset: 0.054 ms

Remote clock offset: 0.172 ms

Below is generated by plot.py at 2018-07-01 21:04:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 325.40 Mbit/s

95th percentile per-packet one-way delay: 57.881 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 145.06 Mbit/s

95th percentile per-packet one-way delay: 56.701 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 205.62 Mbit/s

95th percentile per-packet one-way delay: 57.546 ms

Loss rate: 0.00%

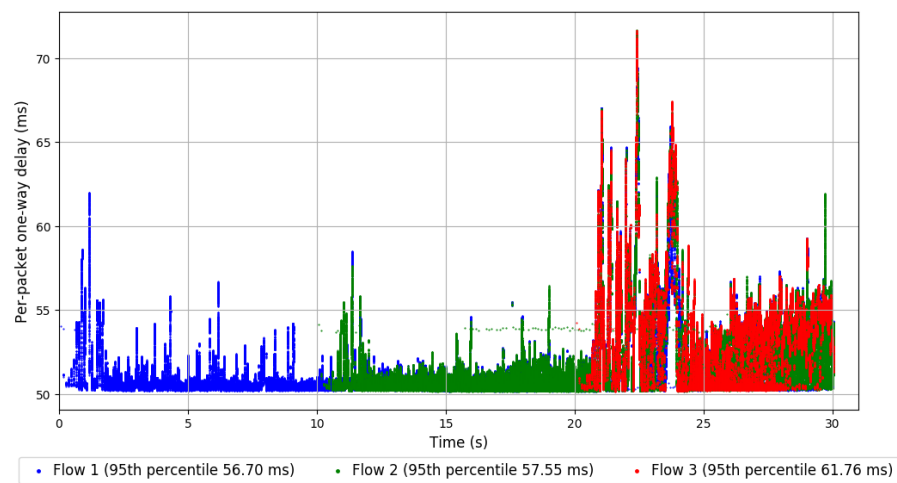
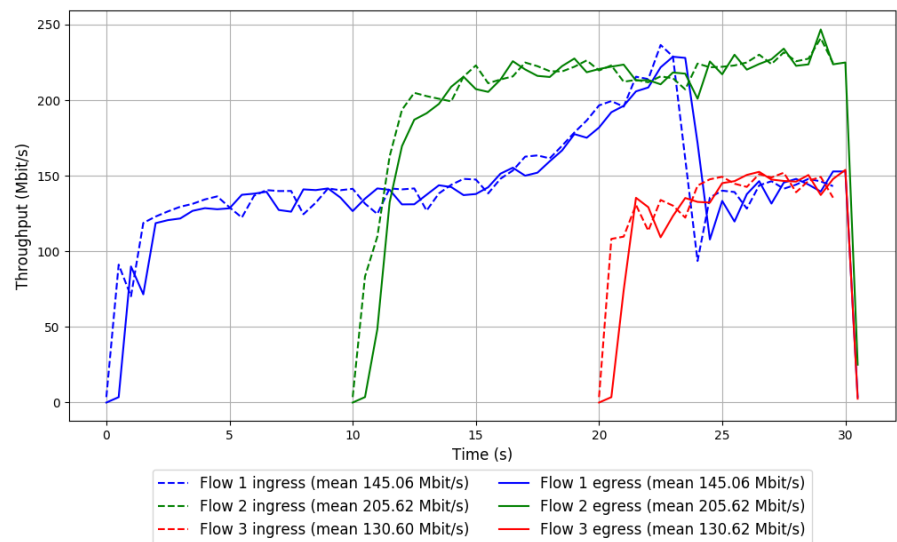
-- Flow 3:

Average throughput: 130.62 Mbit/s

95th percentile per-packet one-way delay: 61.758 ms

Loss rate: 0.02%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-01 19:32:56

End at: 2018-07-01 19:33:26

Local clock offset: 0.057 ms

Remote clock offset: 1.21 ms

Below is generated by plot.py at 2018-07-01 21:04:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 303.69 Mbit/s

95th percentile per-packet one-way delay: 56.902 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 168.39 Mbit/s

95th percentile per-packet one-way delay: 56.539 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 145.73 Mbit/s

95th percentile per-packet one-way delay: 57.032 ms

Loss rate: 0.00%

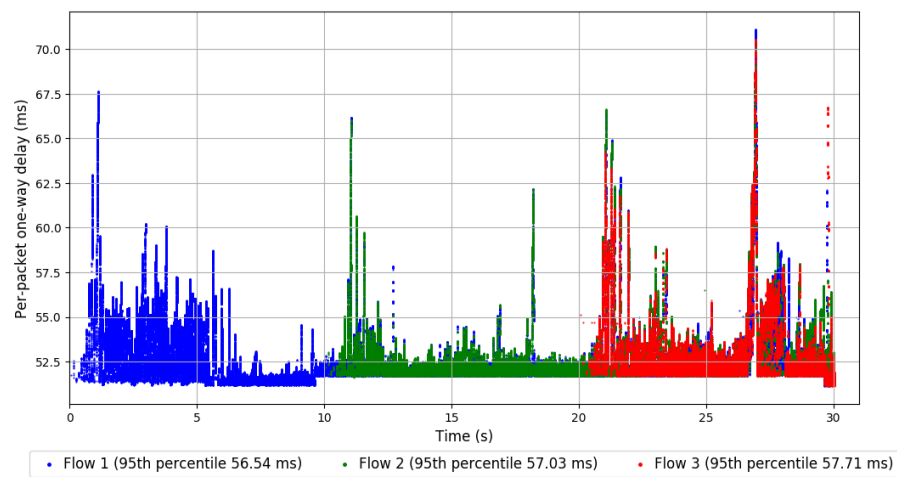
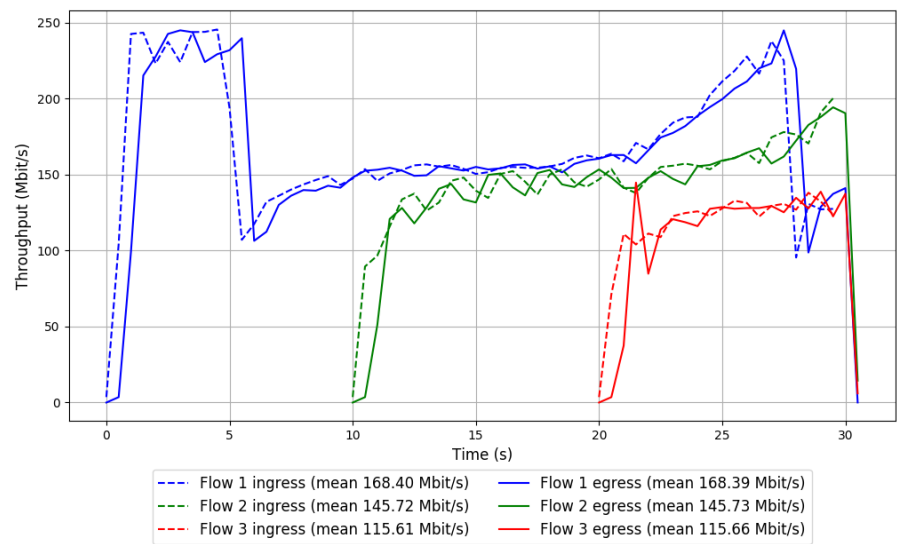
-- Flow 3:

Average throughput: 115.66 Mbit/s

95th percentile per-packet one-way delay: 57.707 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

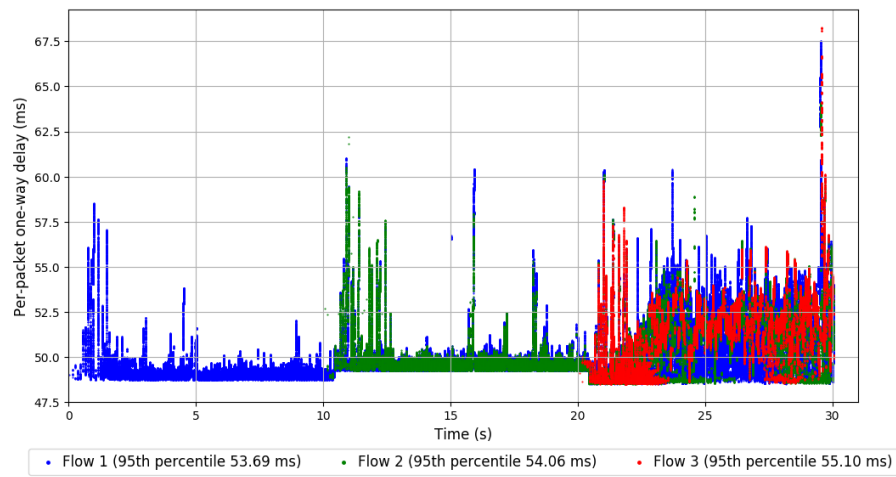
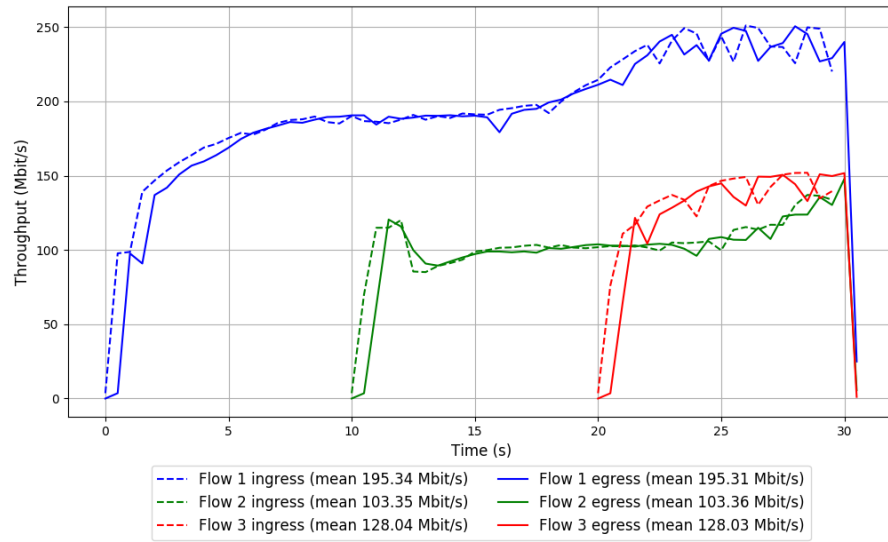


Run 9: Statistics of TCP Cubic

Start at: 2018-07-01 19:56:55
End at: 2018-07-01 19:57:25
Local clock offset: -0.217 ms
Remote clock offset: -1.461 ms

Below is generated by plot.py at 2018-07-01 21:05:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 306.68 Mbit/s
95th percentile per-packet one-way delay: 54.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 195.31 Mbit/s
95th percentile per-packet one-way delay: 53.686 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 103.36 Mbit/s
95th percentile per-packet one-way delay: 54.064 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 128.03 Mbit/s
95th percentile per-packet one-way delay: 55.097 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-01 20:21:02

End at: 2018-07-01 20:21:32

Local clock offset: 0.286 ms

Remote clock offset: 1.219 ms

Below is generated by plot.py at 2018-07-01 21:05:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 262.11 Mbit/s

95th percentile per-packet one-way delay: 58.282 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 127.85 Mbit/s

95th percentile per-packet one-way delay: 56.392 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 160.47 Mbit/s

95th percentile per-packet one-way delay: 59.560 ms

Loss rate: 0.00%

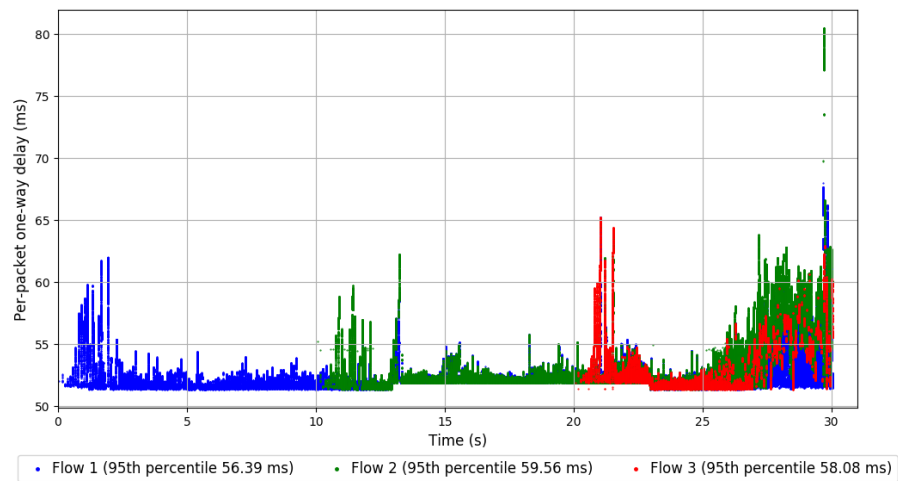
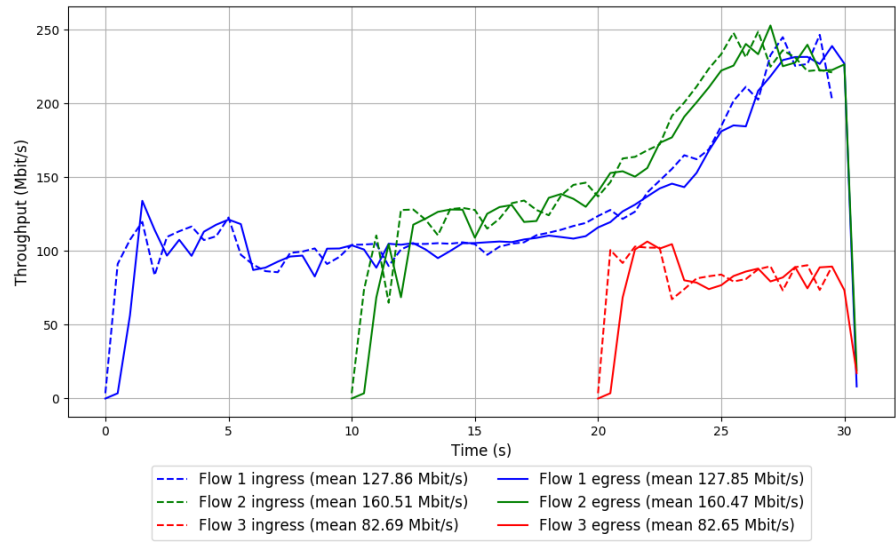
-- Flow 3:

Average throughput: 82.65 Mbit/s

95th percentile per-packet one-way delay: 58.077 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

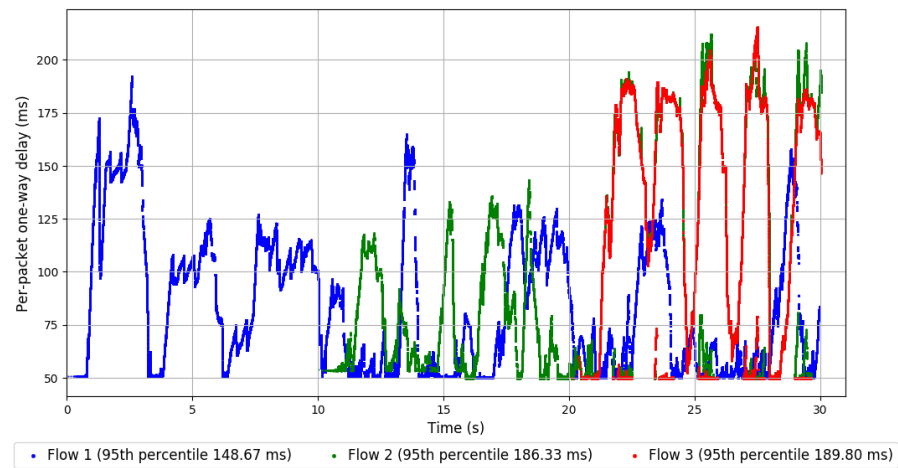
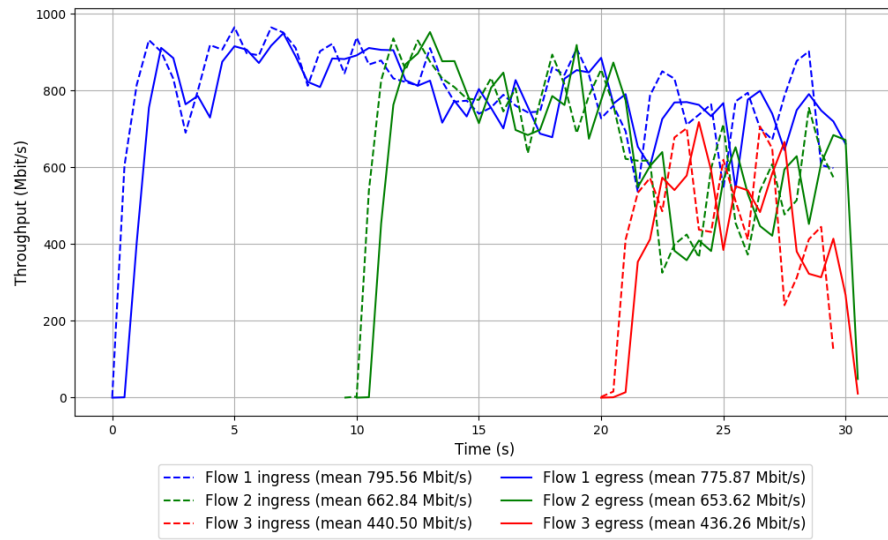


Run 1: Statistics of FillP

Start at: 2018-07-01 16:40:49
End at: 2018-07-01 16:41:19
Local clock offset: 0.232 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-01 21:28:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 1355.30 Mbit/s
95th percentile per-packet one-way delay: 182.368 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 775.87 Mbit/s
95th percentile per-packet one-way delay: 148.671 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 653.62 Mbit/s
95th percentile per-packet one-way delay: 186.326 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 436.26 Mbit/s
95th percentile per-packet one-way delay: 189.798 ms
Loss rate: 0.00%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-01 17:05:23

End at: 2018-07-01 17:05:53

Local clock offset: 0.001 ms

Remote clock offset: 1.255 ms

Below is generated by plot.py at 2018-07-01 21:32:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 1387.42 Mbit/s

95th percentile per-packet one-way delay: 183.439 ms

Loss rate: 1.03%

-- Flow 1:

Average throughput: 745.99 Mbit/s

95th percentile per-packet one-way delay: 211.736 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 679.10 Mbit/s

95th percentile per-packet one-way delay: 131.787 ms

Loss rate: 2.43%

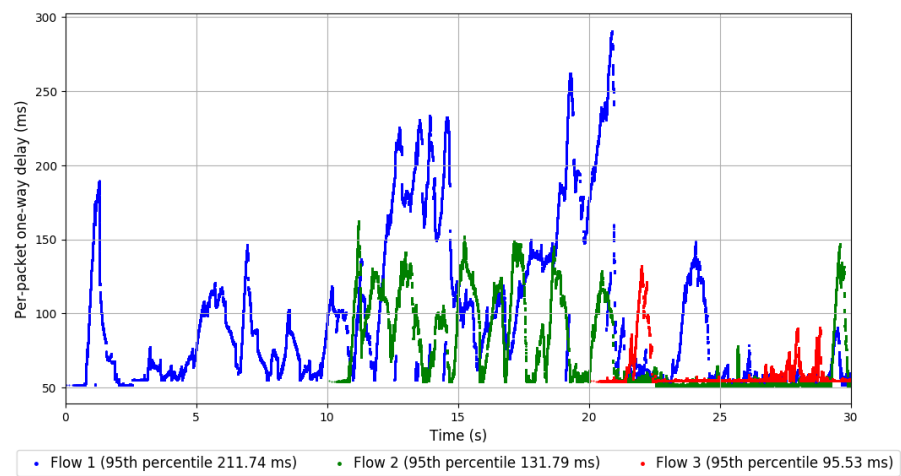
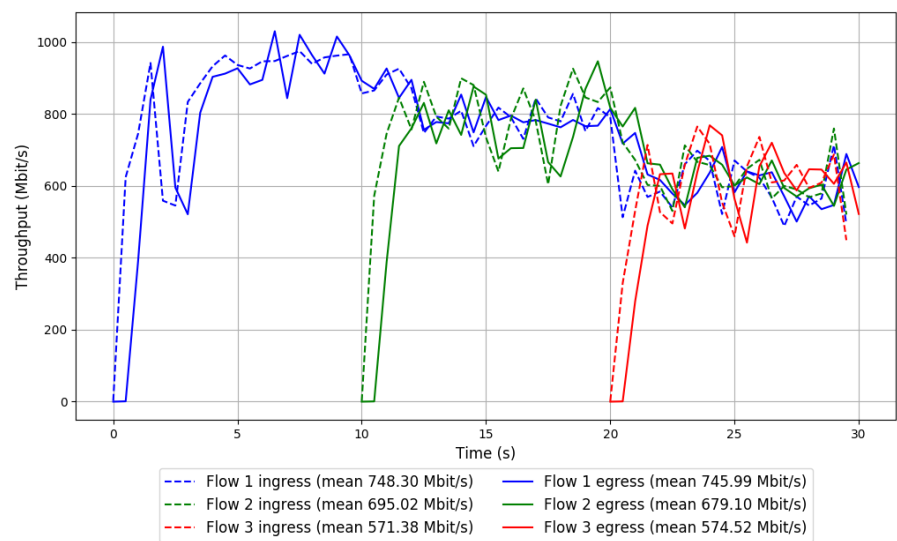
-- Flow 3:

Average throughput: 574.52 Mbit/s

95th percentile per-packet one-way delay: 95.529 ms

Loss rate: 0.12%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-01 17:29:35

End at: 2018-07-01 17:30:05

Local clock offset: 0.019 ms

Remote clock offset: 0.16 ms

Below is generated by plot.py at 2018-07-01 21:32:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 1319.54 Mbit/s

95th percentile per-packet one-way delay: 215.456 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 781.94 Mbit/s

95th percentile per-packet one-way delay: 179.222 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 527.37 Mbit/s

95th percentile per-packet one-way delay: 231.065 ms

Loss rate: 0.39%

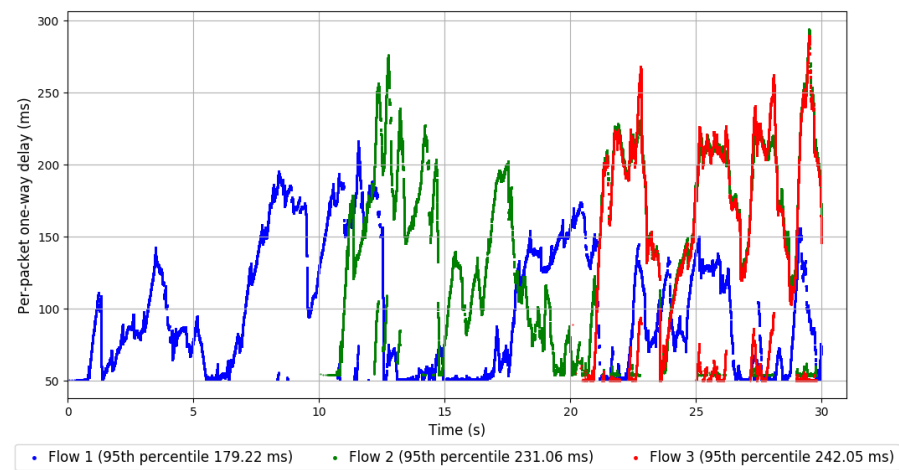
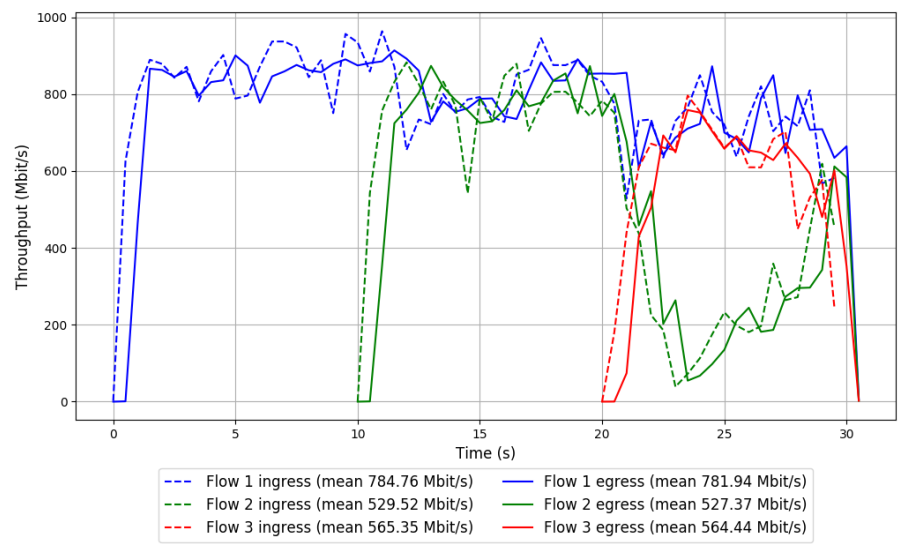
-- Flow 3:

Average throughput: 564.44 Mbit/s

95th percentile per-packet one-way delay: 242.048 ms

Loss rate: 0.50%

Run 3: Report of FillP — Data Link

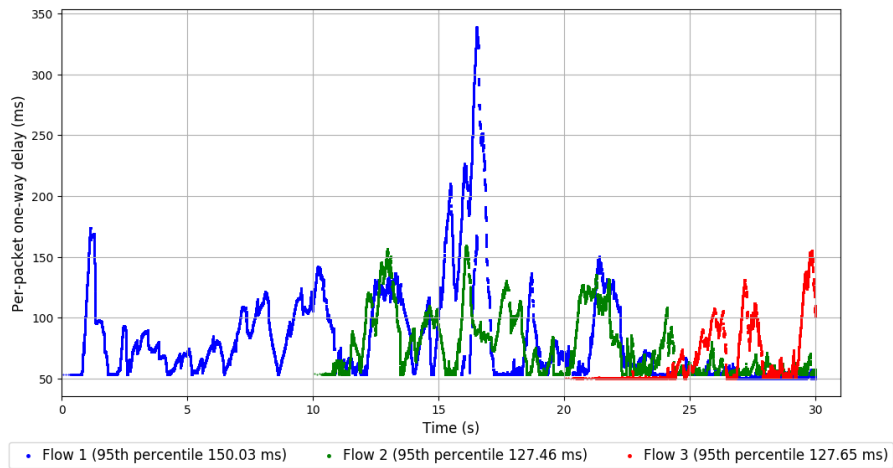
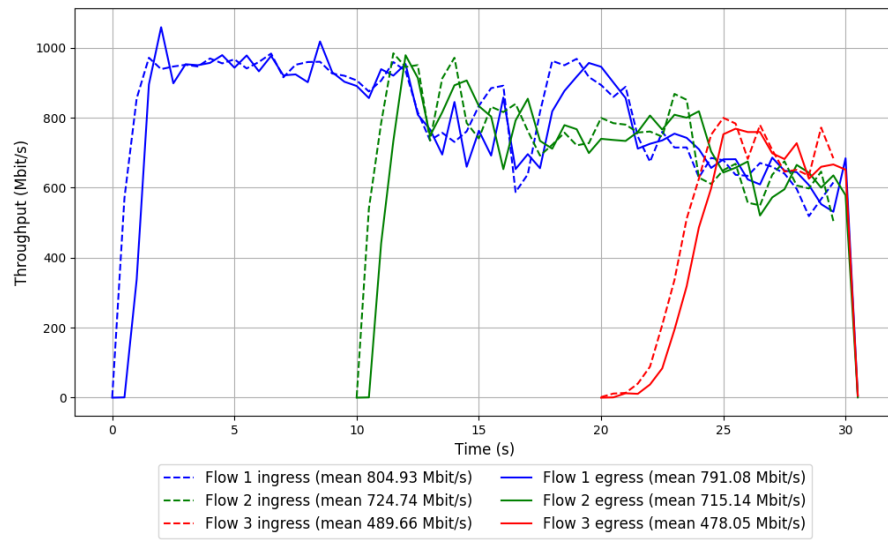


Run 4: Statistics of FillP

Start at: 2018-07-01 17:53:58
End at: 2018-07-01 17:54:28
Local clock offset: 0.066 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-01 21:34:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 1425.89 Mbit/s
95th percentile per-packet one-way delay: 135.890 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 791.08 Mbit/s
95th percentile per-packet one-way delay: 150.029 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 715.14 Mbit/s
95th percentile per-packet one-way delay: 127.462 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 478.05 Mbit/s
95th percentile per-packet one-way delay: 127.654 ms
Loss rate: 2.36%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-01 18:17:55

End at: 2018-07-01 18:18:25

Local clock offset: 0.133 ms

Remote clock offset: 1.014 ms

Below is generated by plot.py at 2018-07-01 21:35:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 1459.64 Mbit/s

95th percentile per-packet one-way delay: 178.939 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 778.21 Mbit/s

95th percentile per-packet one-way delay: 192.165 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 728.22 Mbit/s

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

Loss rate: 0.00%

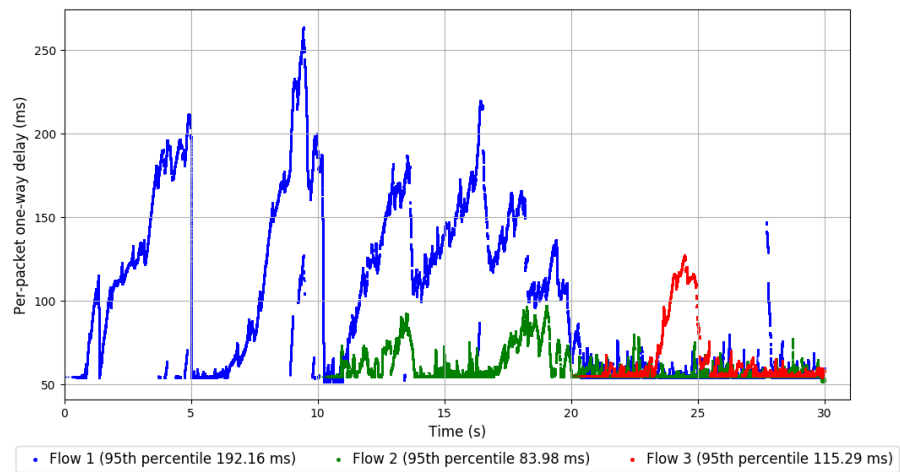
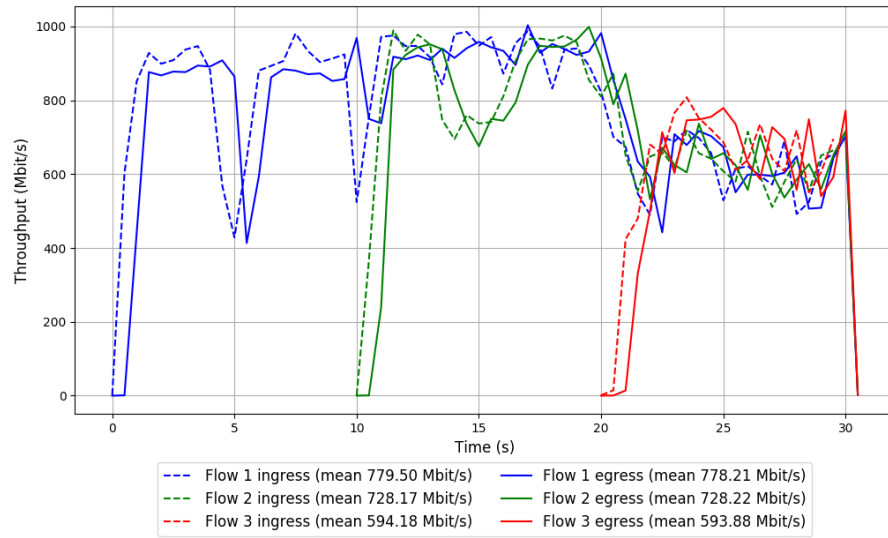
-- Flow 3:

Average throughput: 593.88 Mbit/s

95th percentile per-packet one-way delay: 115.288 ms

Loss rate: 0.08%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-01 18:41:43

End at: 2018-07-01 18:42:13

Local clock offset: 0.151 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-01 21:35:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 1417.53 Mbit/s

95th percentile per-packet one-way delay: 143.632 ms

Loss rate: 1.86%

-- Flow 1:

Average throughput: 784.42 Mbit/s

95th percentile per-packet one-way delay: 126.550 ms

Loss rate: 2.00%

-- Flow 2:

Average throughput: 653.32 Mbit/s

95th percentile per-packet one-way delay: 190.613 ms

Loss rate: 1.94%

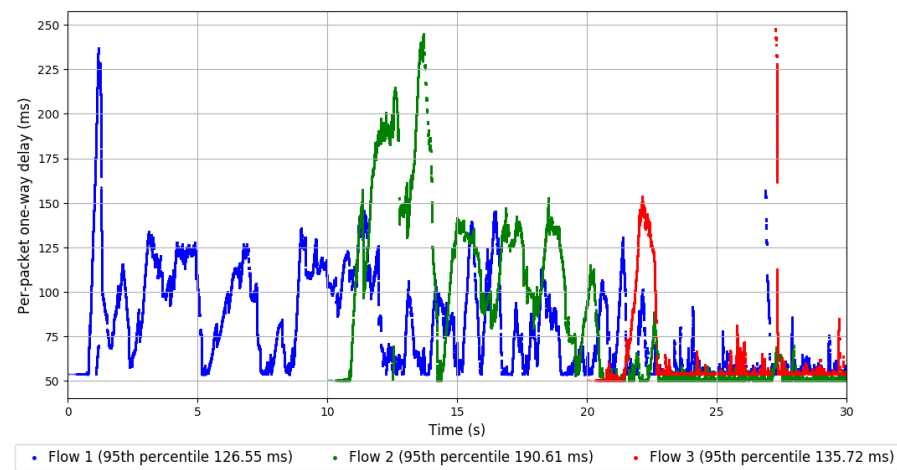
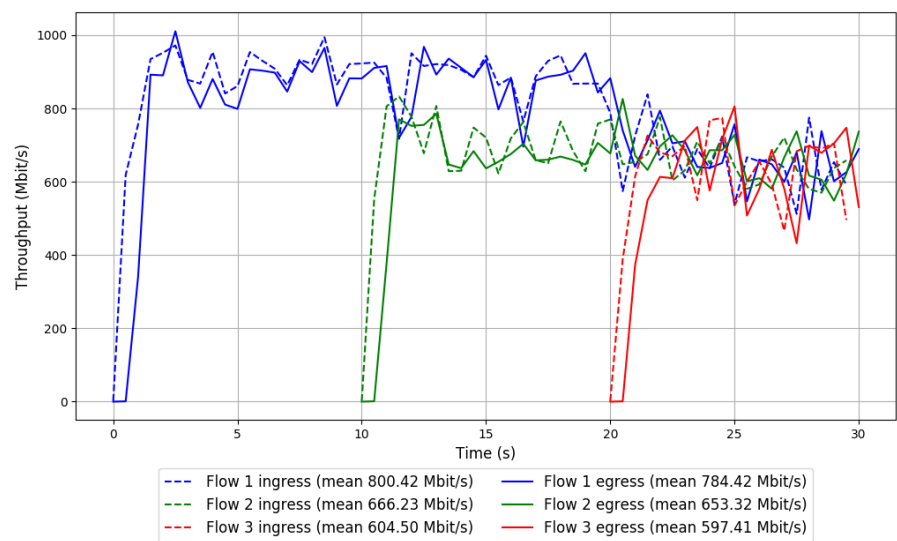
-- Flow 3:

Average throughput: 597.41 Mbit/s

95th percentile per-packet one-way delay: 135.722 ms

Loss rate: 1.13%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-01 19:05:37

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

Local clock offset: 0.078 ms

Remote clock offset: 1.288 ms

Below is generated by plot.py at 2018-07-01 21:35:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 1373.81 Mbit/s

95th percentile per-packet one-way delay: 191.646 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 717.67 Mbit/s

95th percentile per-packet one-way delay: 190.538 ms

Loss rate: 1.12%

-- Flow 2:

Average throughput: 778.35 Mbit/s

95th percentile per-packet one-way delay: 118.274 ms

Loss rate: 0.54%

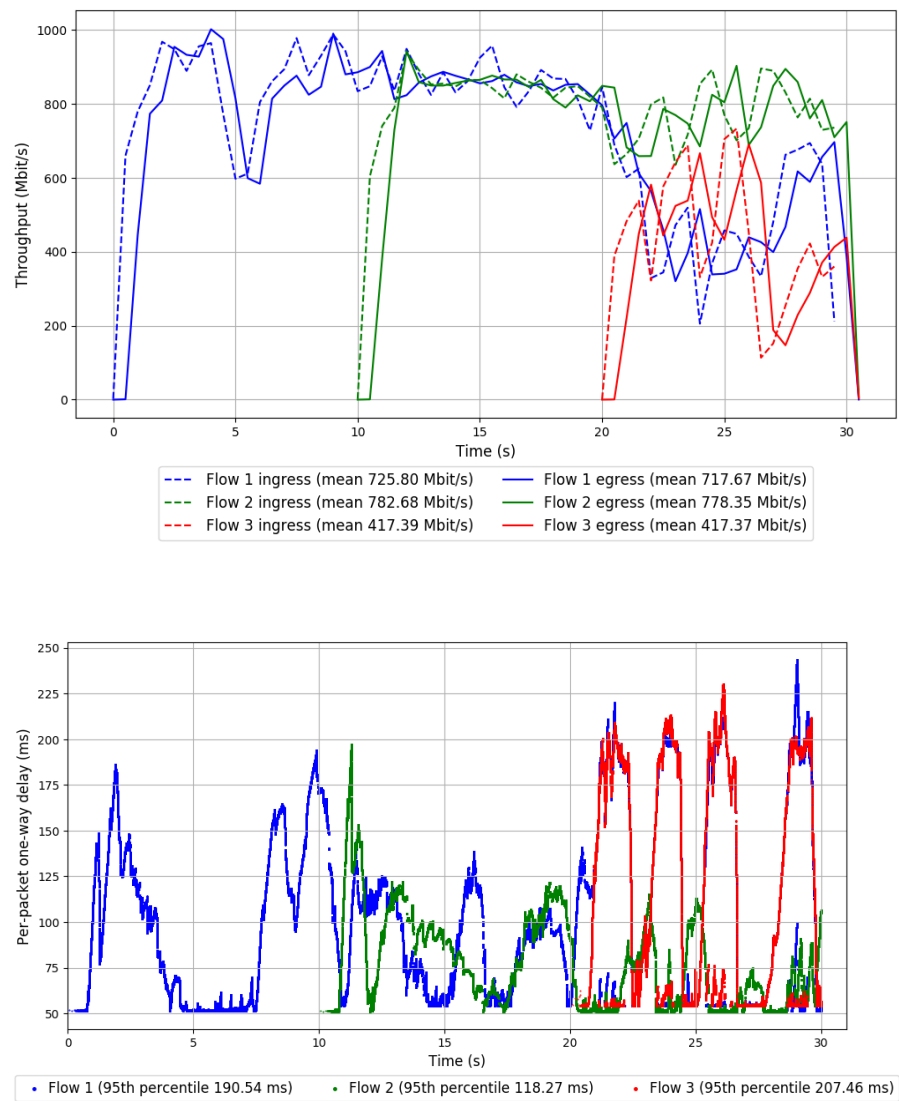
-- Flow 3:

Average throughput: 417.37 Mbit/s

95th percentile per-packet one-way delay: 207.463 ms

Loss rate: 0.00%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-01 19:29:40

End at: 2018-07-01 19:30:10

Local clock offset: -0.08 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-07-01 21:35:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 1408.77 Mbit/s

95th percentile per-packet one-way delay: 209.119 ms

Loss rate: 2.29%

-- Flow 1:

Average throughput: 760.64 Mbit/s

95th percentile per-packet one-way delay: 157.613 ms

Loss rate: 2.19%

-- Flow 2:

Average throughput: 655.43 Mbit/s

95th percentile per-packet one-way delay: 280.782 ms

Loss rate: 3.53%

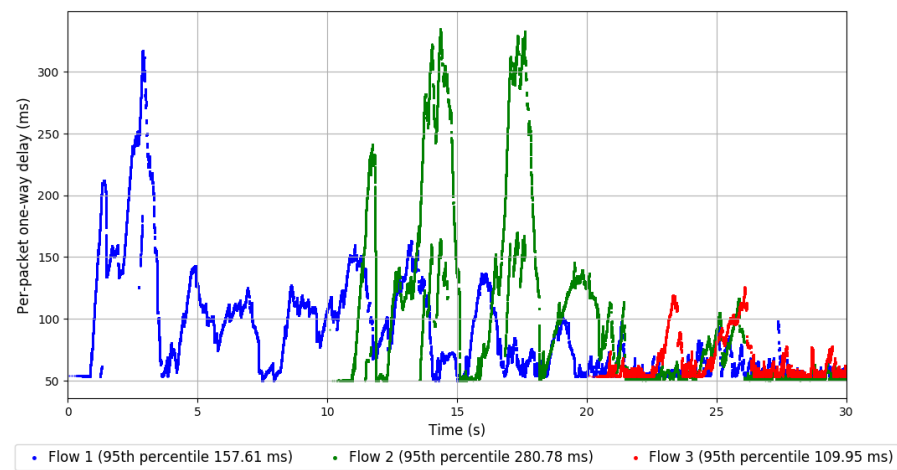
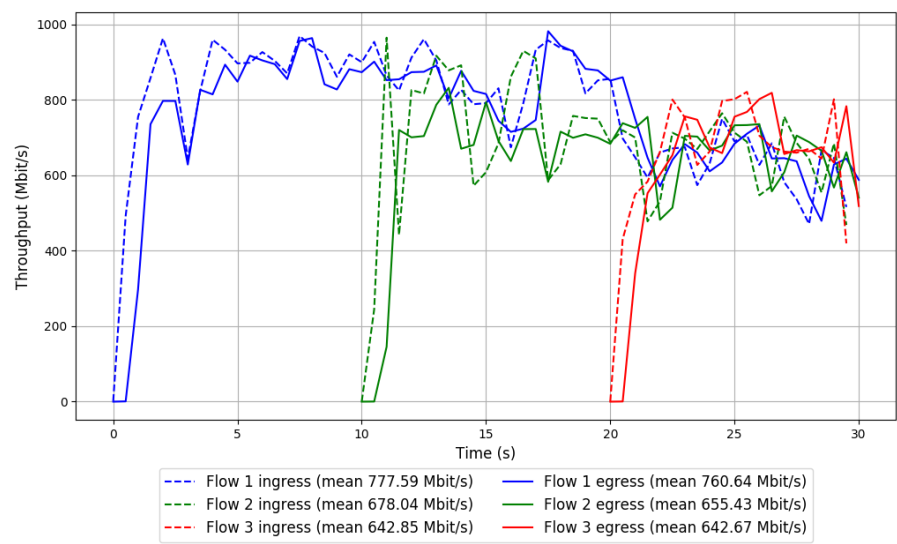
-- Flow 3:

Average throughput: 642.67 Mbit/s

95th percentile per-packet one-way delay: 109.950 ms

Loss rate: 0.04%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-01 19:53:40

End at: 2018-07-01 19:54:10

Local clock offset: -0.103 ms

Remote clock offset: 0.13 ms

Below is generated by plot.py at 2018-07-01 22:02:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 1406.85 Mbit/s

95th percentile per-packet one-way delay: 180.506 ms

Loss rate: 1.13%

-- Flow 1:

Average throughput: 737.70 Mbit/s

95th percentile per-packet one-way delay: 150.669 ms

Loss rate: 2.13%

-- Flow 2:

Average throughput: 703.86 Mbit/s

95th percentile per-packet one-way delay: 204.329 ms

Loss rate: 0.00%

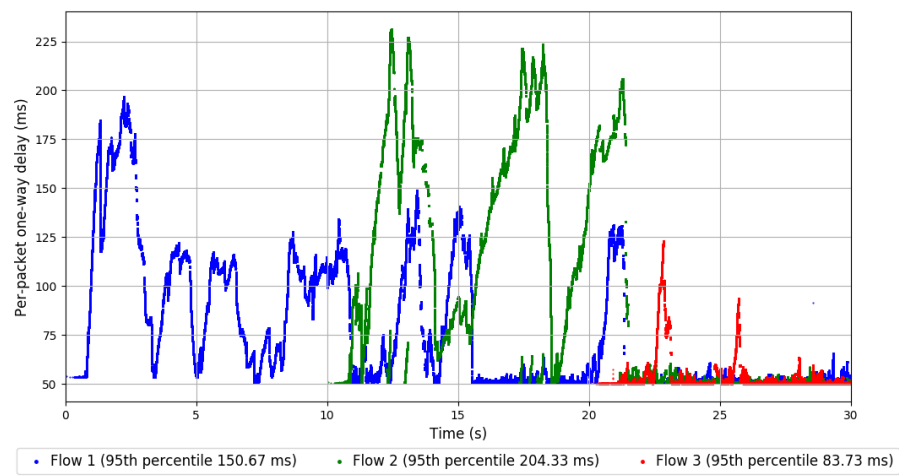
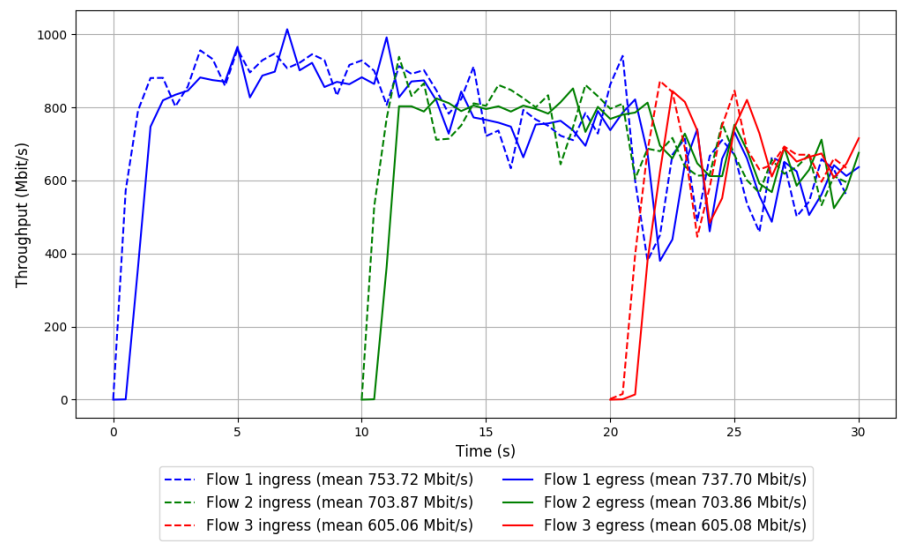
-- Flow 3:

Average throughput: 605.08 Mbit/s

95th percentile per-packet one-way delay: 83.727 ms

Loss rate: 0.00%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-01 20:17:48

End at: 2018-07-01 20:18:18

Local clock offset: 0.195 ms

Remote clock offset: 0.204 ms

Below is generated by plot.py at 2018-07-01 22:02:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 1368.37 Mbit/s

95th percentile per-packet one-way delay: 241.778 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 742.02 Mbit/s

95th percentile per-packet one-way delay: 253.881 ms

Loss rate: 1.12%

-- Flow 2:

Average throughput: 649.46 Mbit/s

95th percentile per-packet one-way delay: 224.433 ms

Loss rate: 0.00%

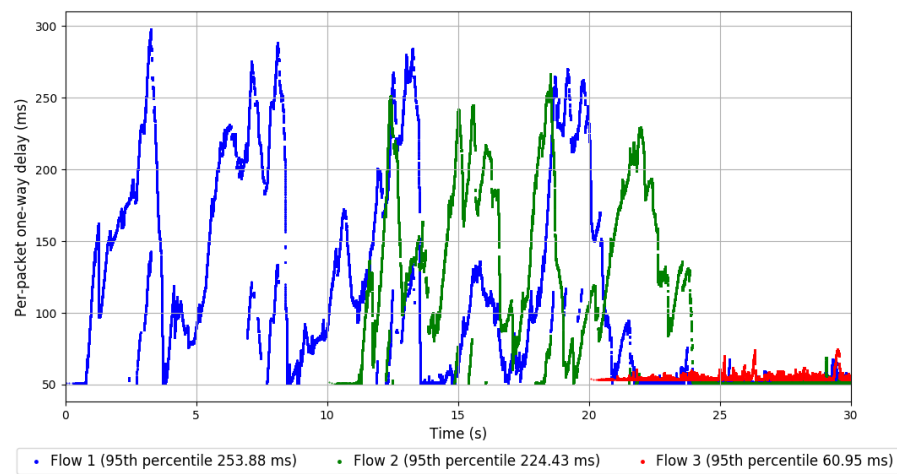
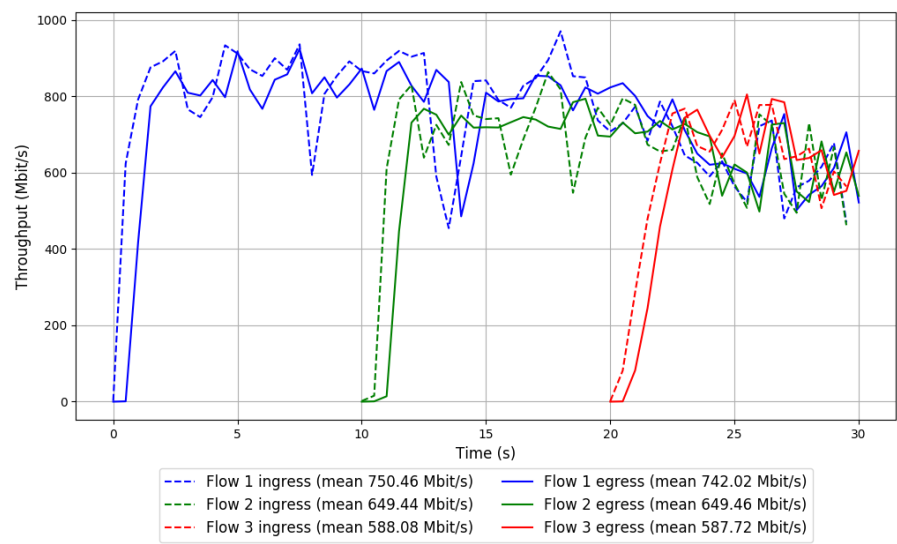
-- Flow 3:

Average throughput: 587.72 Mbit/s

95th percentile per-packet one-way delay: 60.954 ms

Loss rate: 0.09%

Run 10: Report of FillP — Data Link

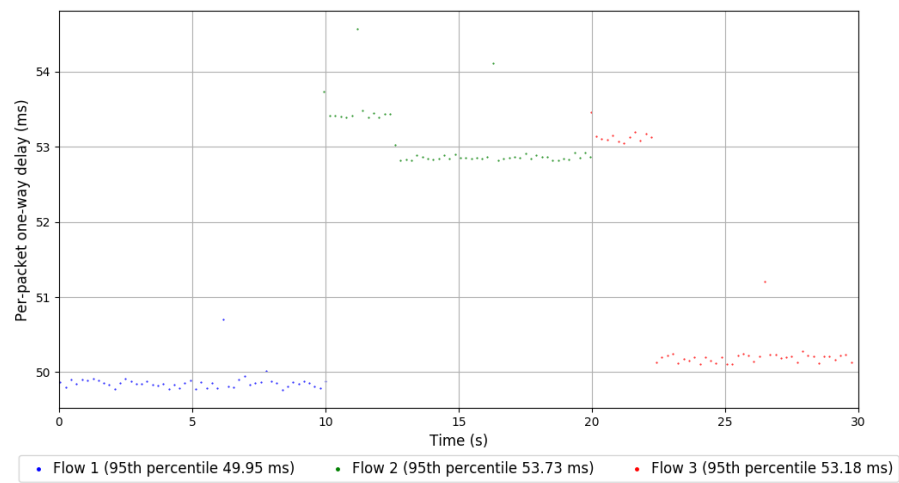
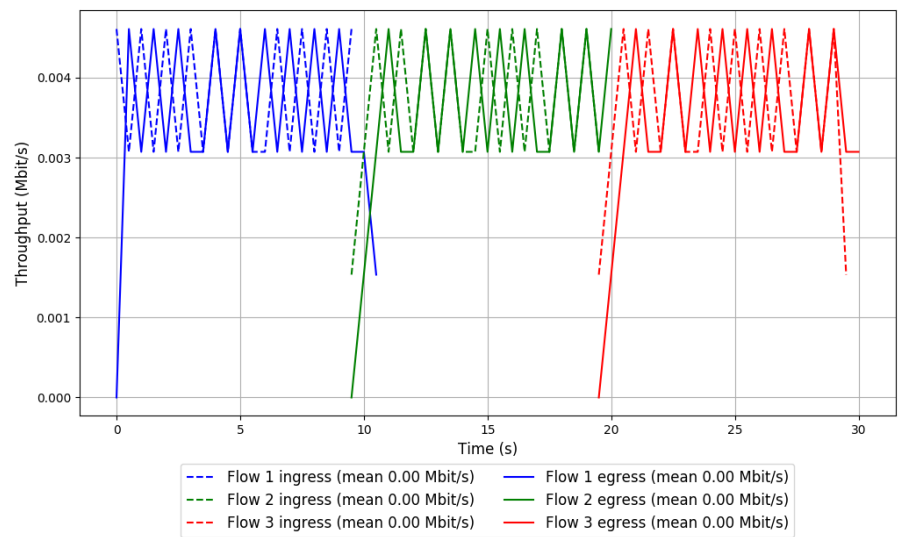


```
Run 1: Statistics of FillP-Sheep

Start at: 2018-07-01 16:29:33
End at: 2018-07-01 16:30:03
Local clock offset: -0.01 ms
Remote clock offset: -0.361 ms

# Below is generated by plot.py at 2018-07-01 22:02:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 53.430 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 49.949 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 53.734 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 53.177 ms
Loss rate: 0.00%
```


Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-01 16:53:24

End at: 2018-07-01 16:53:54

Local clock offset: 0.099 ms

Remote clock offset: 0.152 ms

Below is generated by plot.py at 2018-07-01 22:02:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 53.446 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 53.696 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 50.770 ms

Loss rate: 0.00%

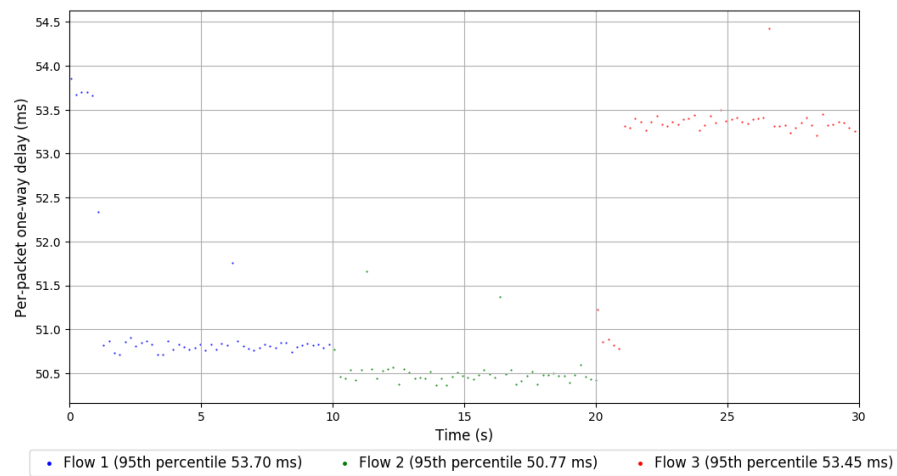
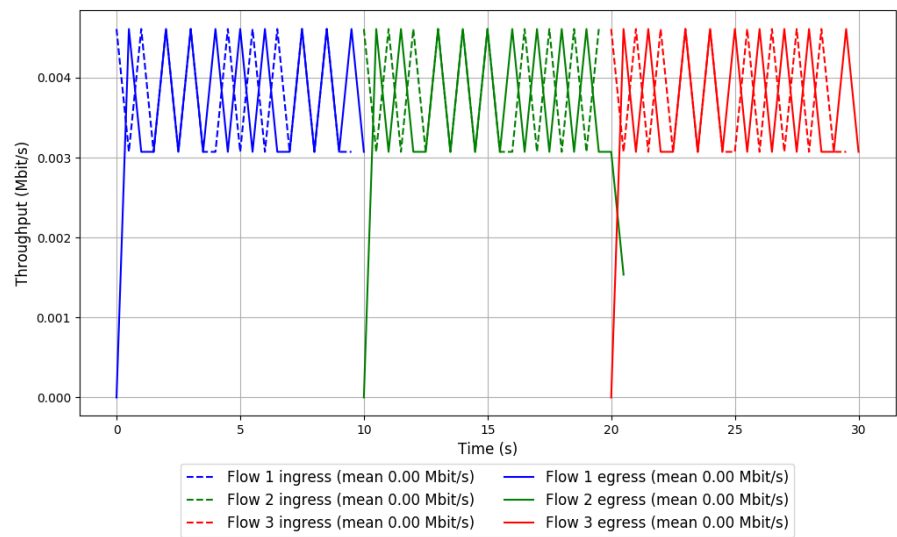
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 53.446 ms

Loss rate: 0.00%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-01 17:18:02

End at: 2018-07-01 17:18:32

Local clock offset: 0.03 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2018-07-01 22:02:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 54.072 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 53.453 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 54.114 ms

Loss rate: 0.00%

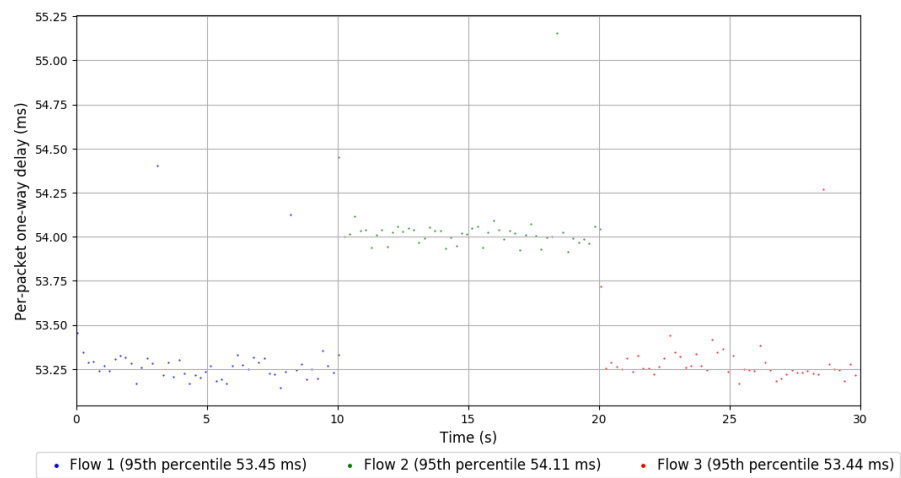
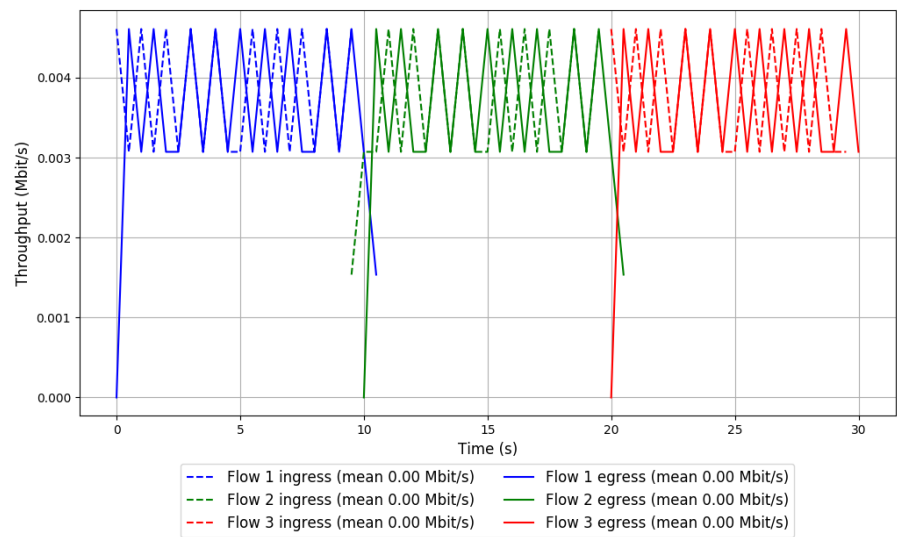
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 53.440 ms

Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-01 17:42:15

End at: 2018-07-01 17:42:45

Local clock offset: -0.217 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-07-01 22:02:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 54.337 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 54.243 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 54.315 ms

Loss rate: 0.00%

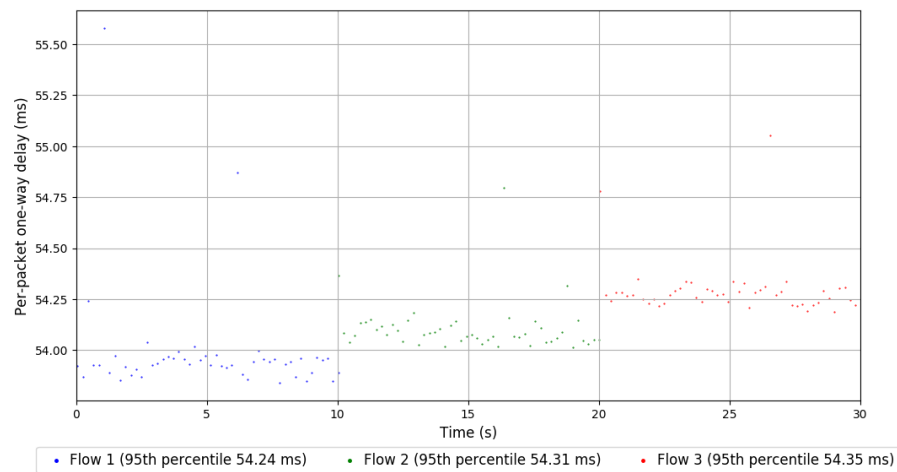
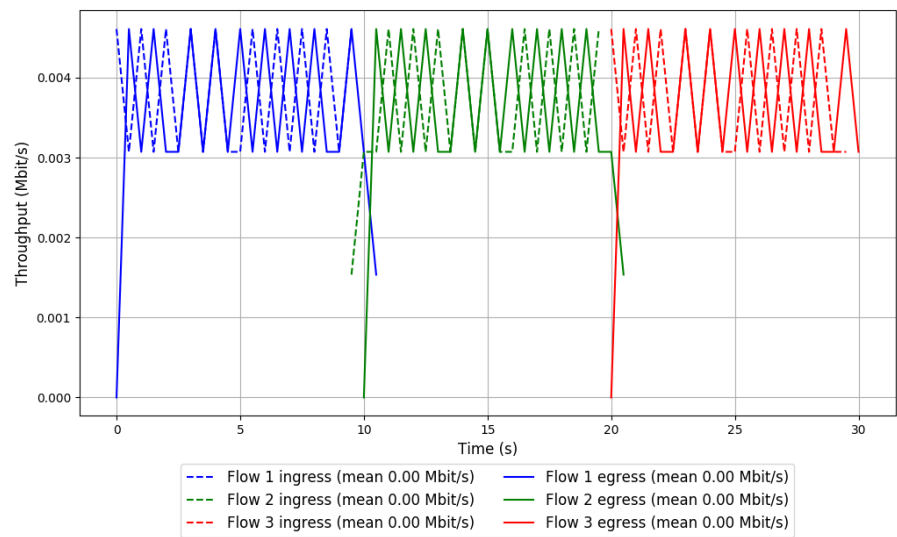
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 54.351 ms

Loss rate: 0.00%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-01 18:06:38

End at: 2018-07-01 18:07:08

Local clock offset: 0.111 ms

Remote clock offset: -0.39 ms

Below is generated by plot.py at 2018-07-01 22:02:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 53.645 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 53.559 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 53.717 ms

Loss rate: 0.00%

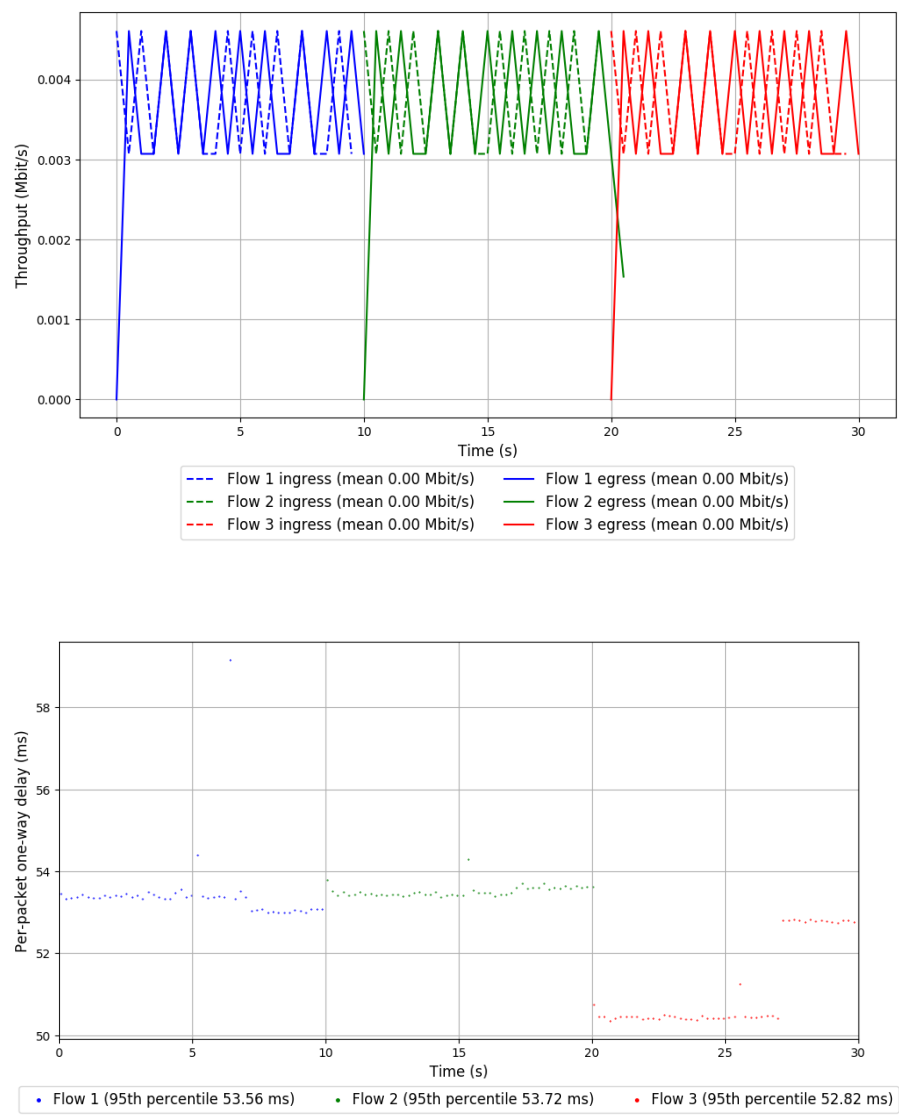
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 52.817 ms

Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link

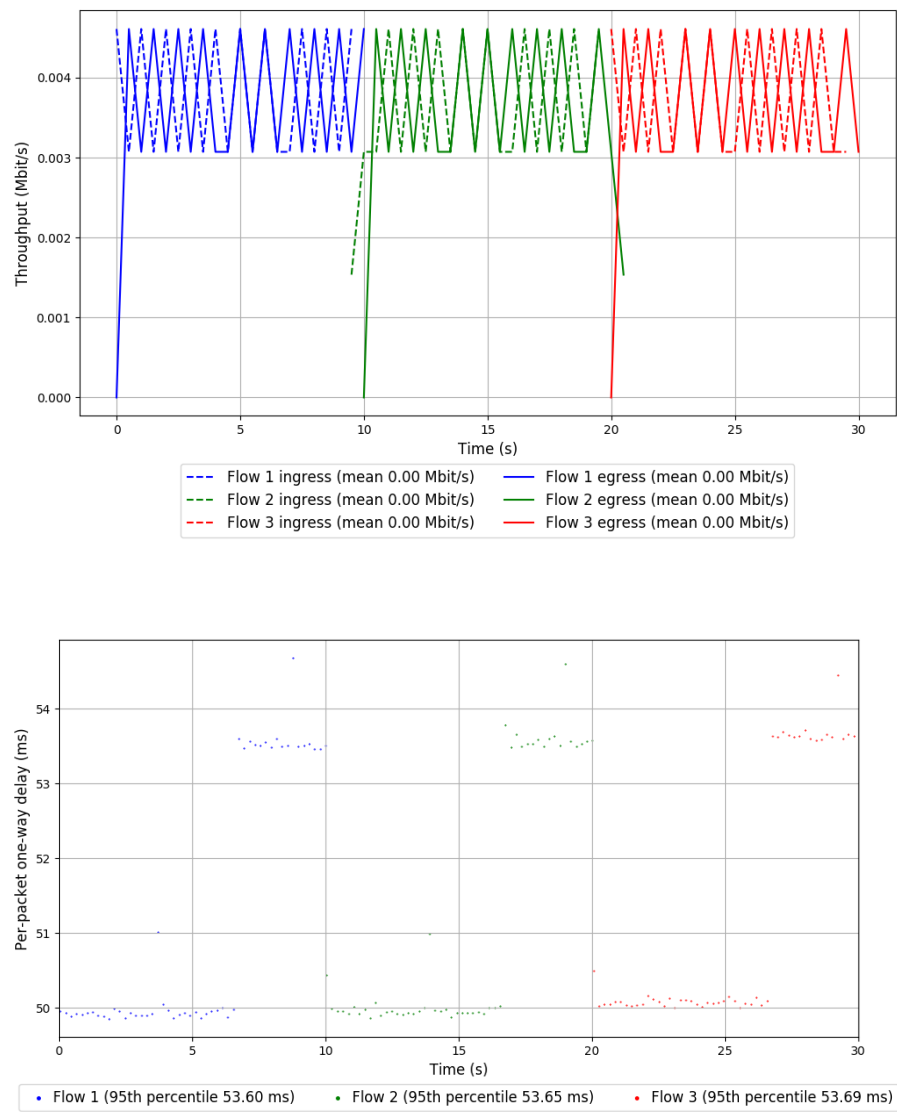


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-01 18:30:39
End at: 2018-07-01 18:31:09
Local clock offset: 0.029 ms
Remote clock offset: -0.363 ms

Below is generated by plot.py at 2018-07-01 22:02:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 53.654 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 53.596 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 53.654 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 53.690 ms
Loss rate: 0.00%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-01 18:54:17

End at: 2018-07-01 18:54:47

Local clock offset: 0.356 ms

Remote clock offset: 0.208 ms

Below is generated by plot.py at 2018-07-01 22:02:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 53.962 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 50.201 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 54.019 ms

Loss rate: 0.00%

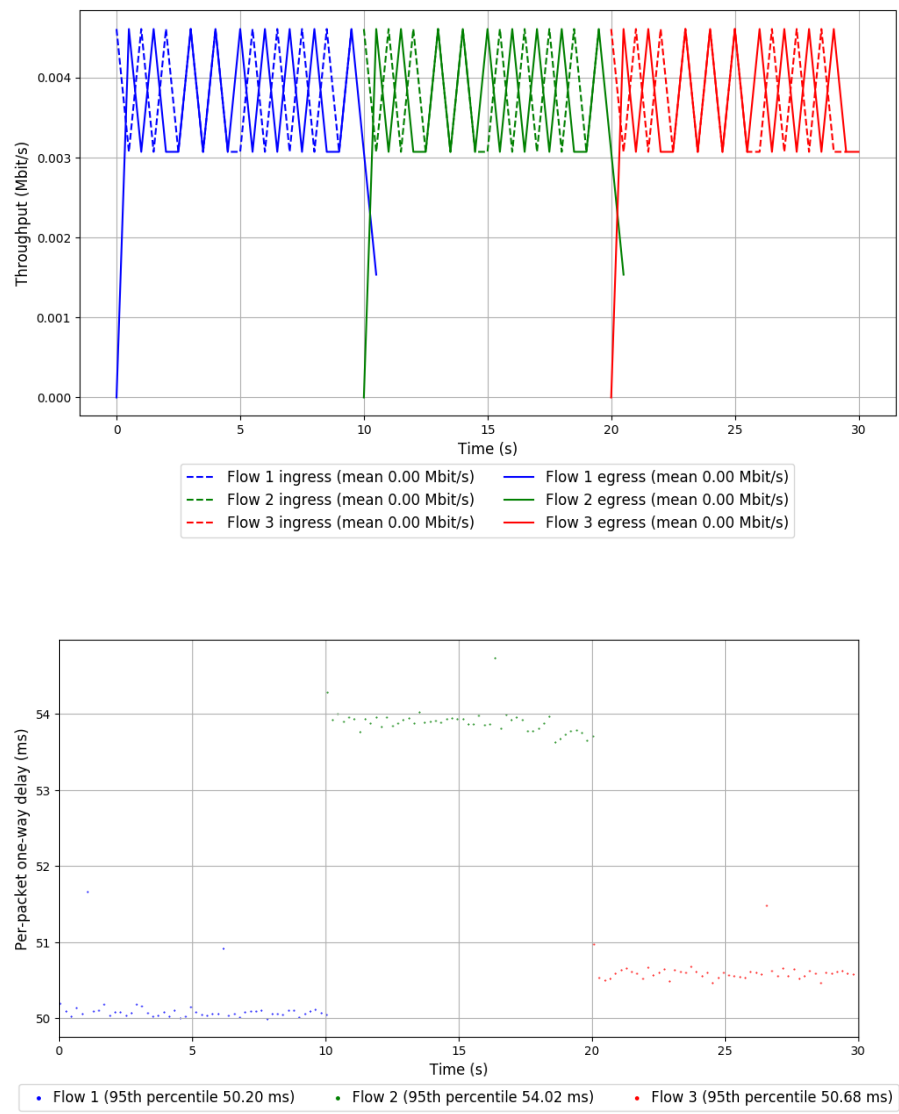
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 50.679 ms

Loss rate: 0.00%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-01 19:18:15

End at: 2018-07-01 19:18:45

Local clock offset: -0.181 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-01 22:02:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 54.017 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 54.043 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 50.480 ms

Loss rate: 0.00%

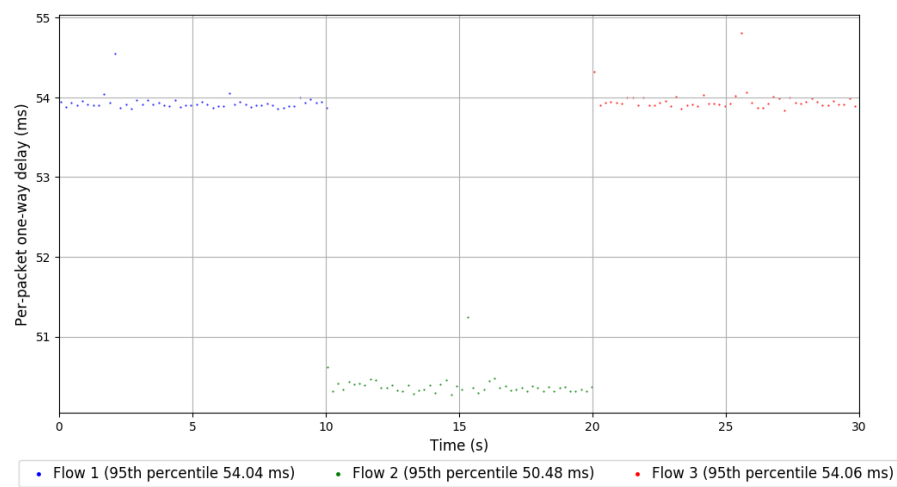
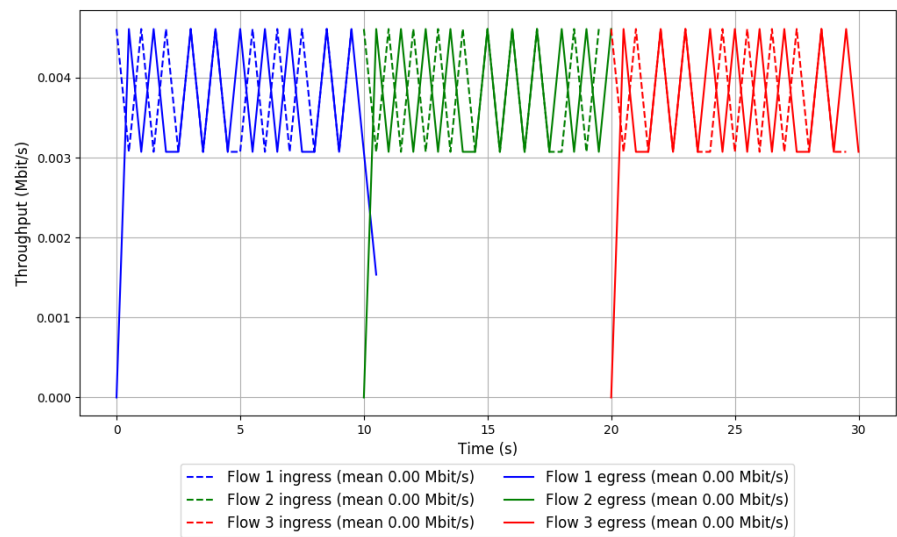
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 54.062 ms

Loss rate: 0.00%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-01 19:42:20

End at: 2018-07-01 19:42:50

Local clock offset: -0.142 ms

Remote clock offset: 0.103 ms

Below is generated by plot.py at 2018-07-01 22:02:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 54.174 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.032 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 50.847 ms

Loss rate: 0.00%

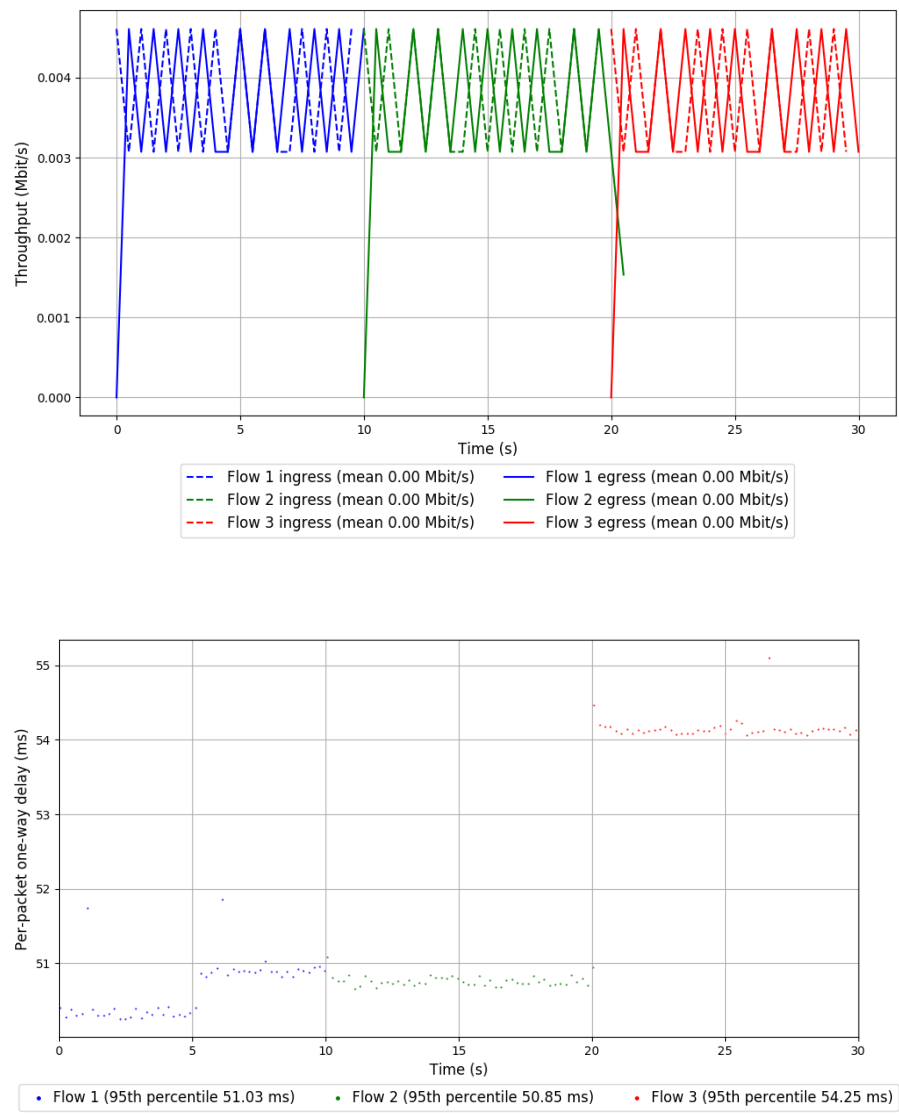
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 54.254 ms

Loss rate: 0.00%

Run 9: Report of FillP-Sheep — Data Link

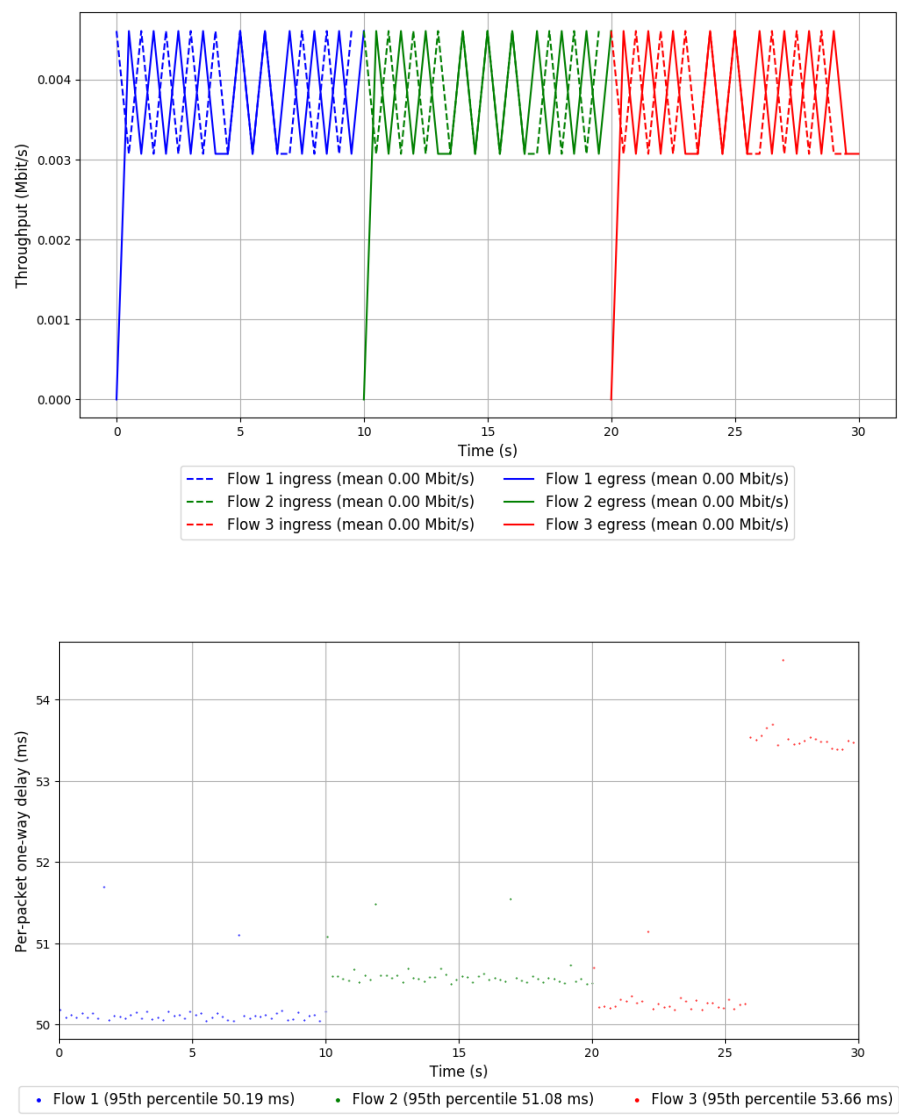


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-01 20:06:19
End at: 2018-07-01 20:06:49
Local clock offset: 0.11 ms
Remote clock offset: -0.238 ms

Below is generated by plot.py at 2018-07-01 22:02:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 53.516 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 50.185 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 51.083 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 53.658 ms
Loss rate: 0.00%

Run 10: Report of FillP-Sheep — Data Link

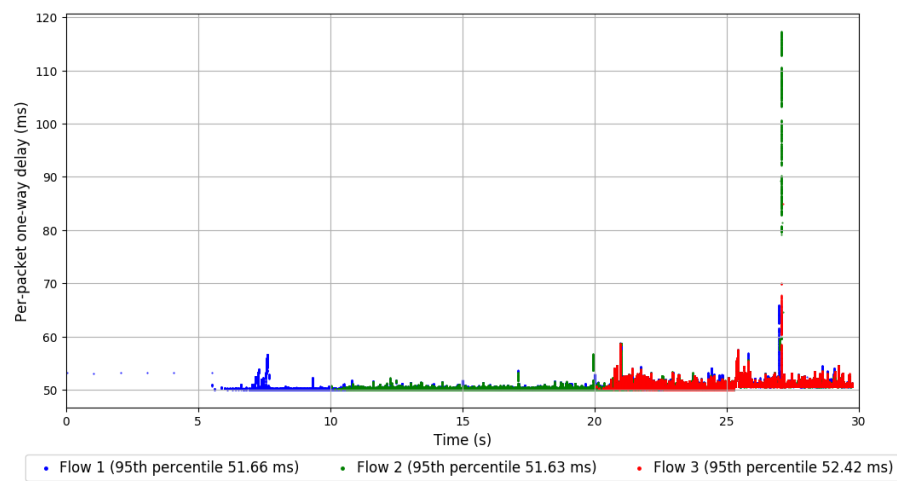
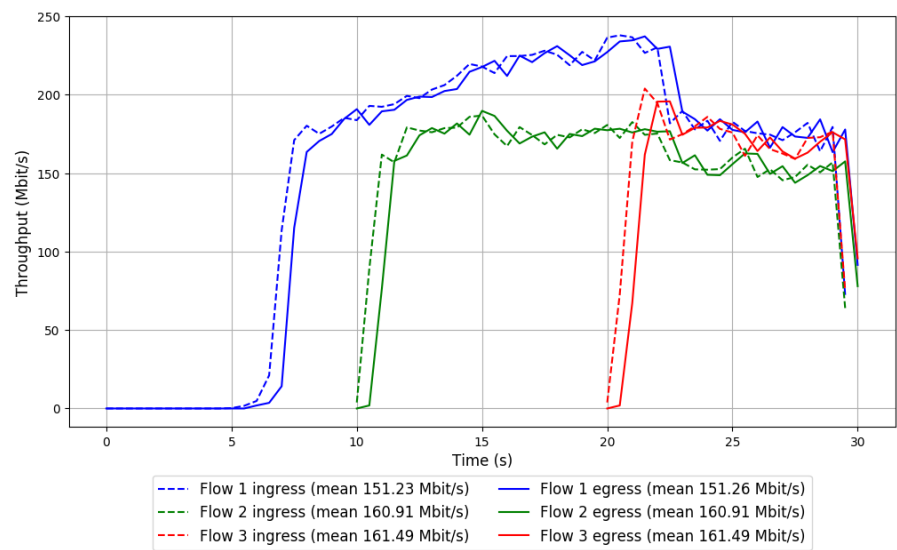


```
Run 1: Statistics of Indigo

Start at: 2018-07-01 16:39:20
End at: 2018-07-01 16:39:50
Local clock offset: 0.27 ms
Remote clock offset: 0.172 ms

# Below is generated by plot.py at 2018-07-01 22:02:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 310.69 Mbit/s
95th percentile per-packet one-way delay: 51.831 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 151.26 Mbit/s
95th percentile per-packet one-way delay: 51.664 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 160.91 Mbit/s
95th percentile per-packet one-way delay: 51.632 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 161.49 Mbit/s
95th percentile per-packet one-way delay: 52.421 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-01 17:03:51

End at: 2018-07-01 17:04:21

Local clock offset: -0.048 ms

Remote clock offset: 0.249 ms

Below is generated by plot.py at 2018-07-01 22:02:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 338.14 Mbit/s

95th percentile per-packet one-way delay: 51.247 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 177.94 Mbit/s

95th percentile per-packet one-way delay: 51.177 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 167.20 Mbit/s

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

Loss rate: 0.00%

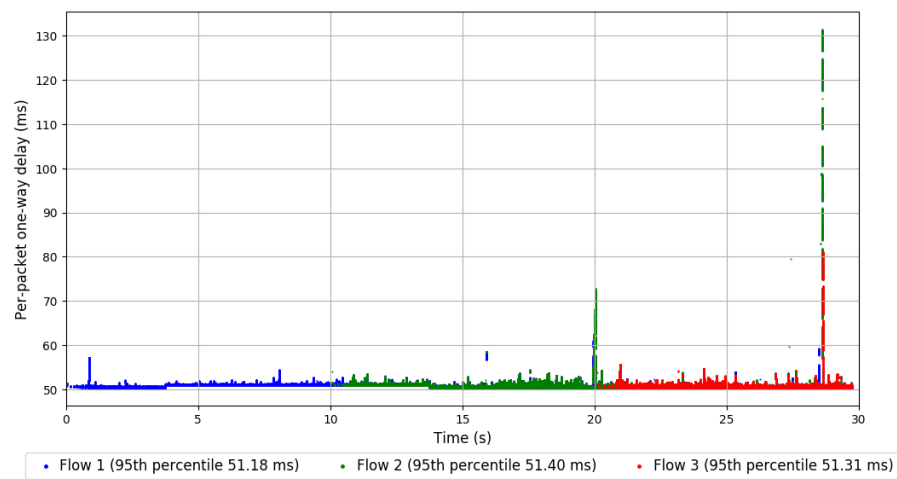
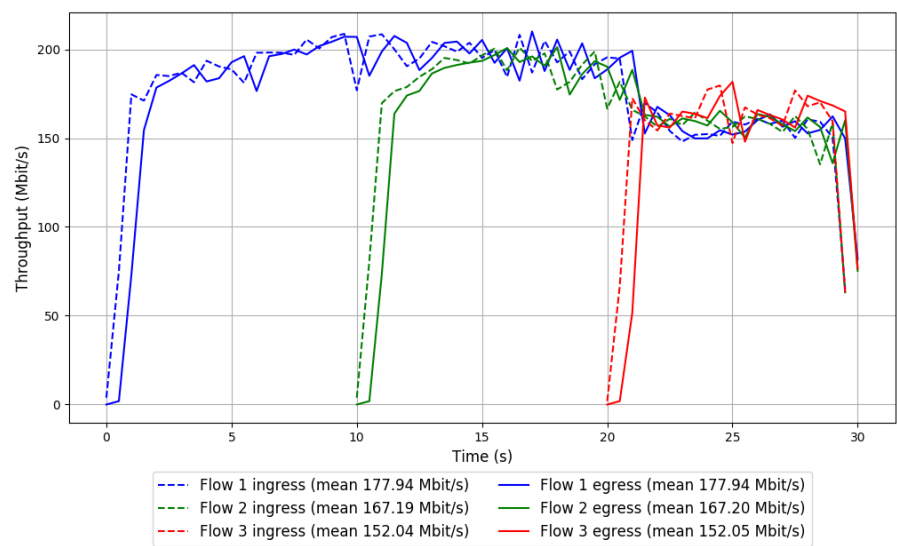
-- Flow 3:

Average throughput: 152.05 Mbit/s

95th percentile per-packet one-way delay: 51.309 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

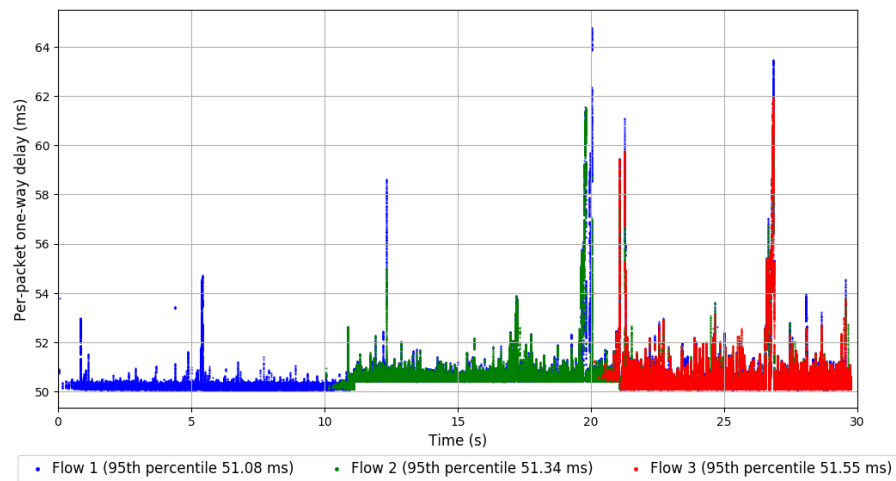
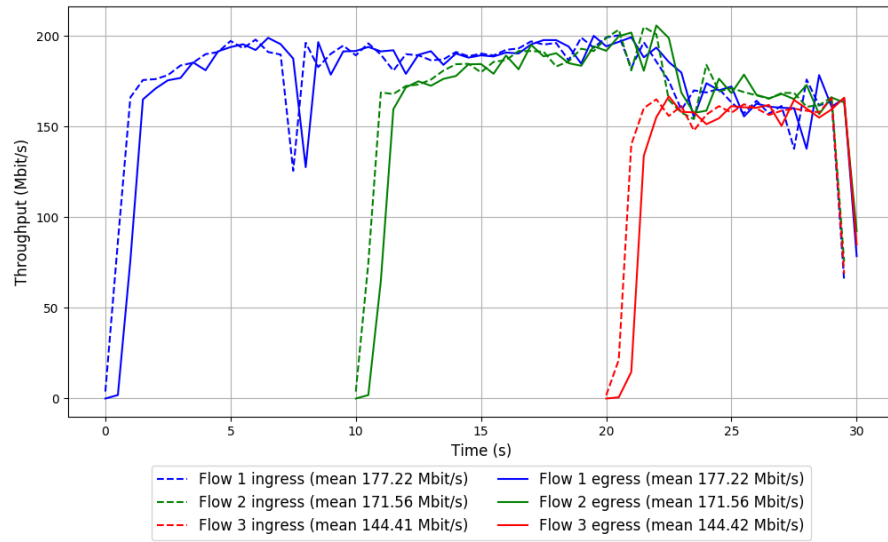


Run 3: Statistics of Indigo

Start at: 2018-07-01 17:28:04
End at: 2018-07-01 17:28:34
Local clock offset: 0.037 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-01 22:02:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 337.72 Mbit/s
95th percentile per-packet one-way delay: 51.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.22 Mbit/s
95th percentile per-packet one-way delay: 51.083 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 171.56 Mbit/s
95th percentile per-packet one-way delay: 51.345 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 144.42 Mbit/s
95th percentile per-packet one-way delay: 51.552 ms
Loss rate: 0.01%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-01 17:52:26

End at: 2018-07-01 17:52:56

Local clock offset: 0.156 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-01 22:02:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 357.41 Mbit/s

95th percentile per-packet one-way delay: 52.179 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 190.94 Mbit/s

95th percentile per-packet one-way delay: 51.409 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 180.12 Mbit/s

95th percentile per-packet one-way delay: 52.701 ms

Loss rate: 0.01%

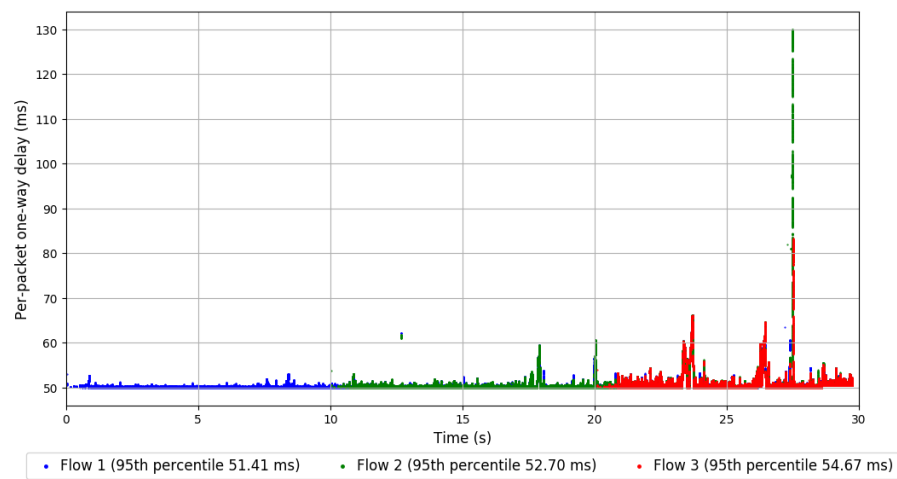
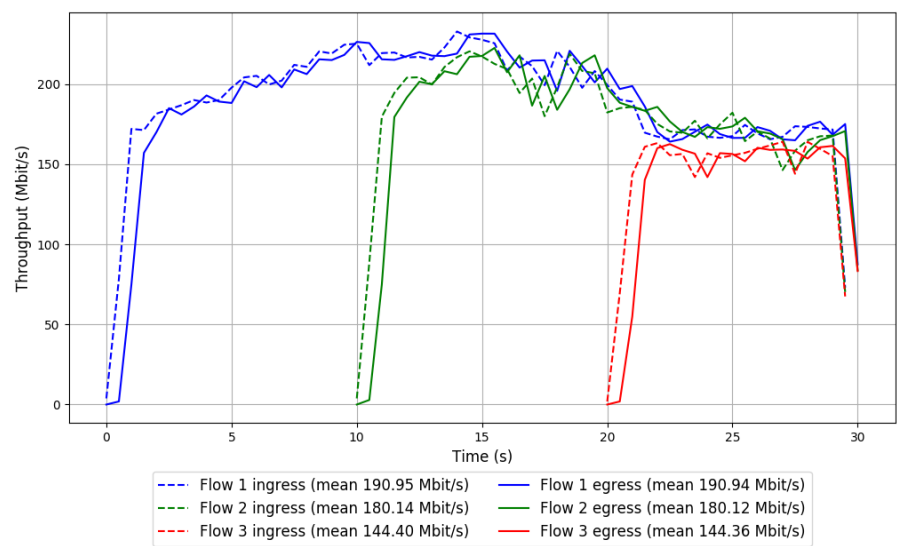
-- Flow 3:

Average throughput: 144.36 Mbit/s

95th percentile per-packet one-way delay: 54.671 ms

Loss rate: 0.01%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-01 18:16:23

End at: 2018-07-01 18:16:53

Local clock offset: 0.005 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2018-07-01 22:02:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 356.02 Mbit/s

95th percentile per-packet one-way delay: 52.458 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 192.22 Mbit/s

95th percentile per-packet one-way delay: 51.612 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 172.11 Mbit/s

95th percentile per-packet one-way delay: 52.767 ms

Loss rate: 0.00%

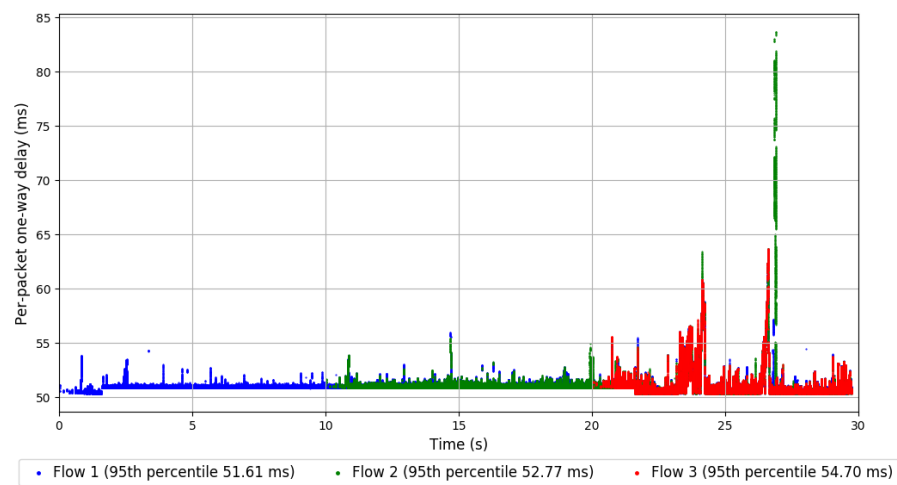
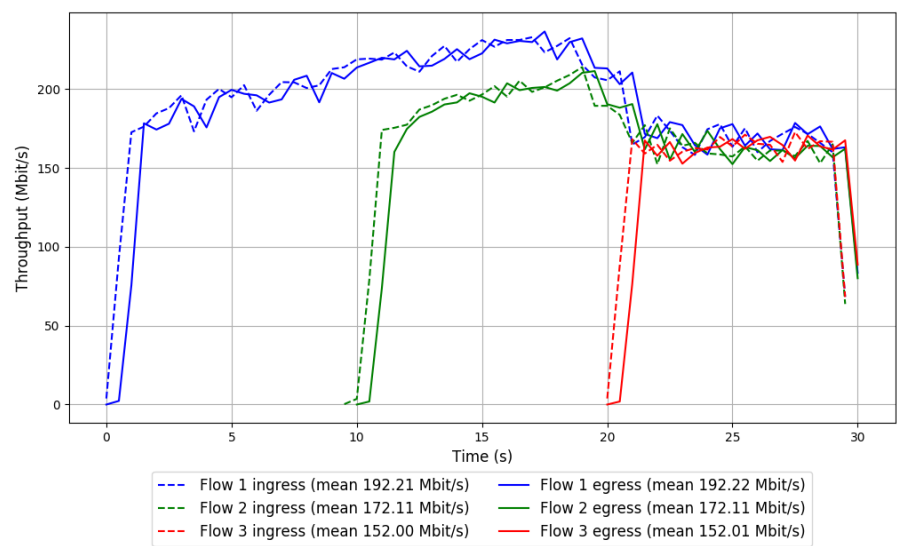
-- Flow 3:

Average throughput: 152.01 Mbit/s

95th percentile per-packet one-way delay: 54.701 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

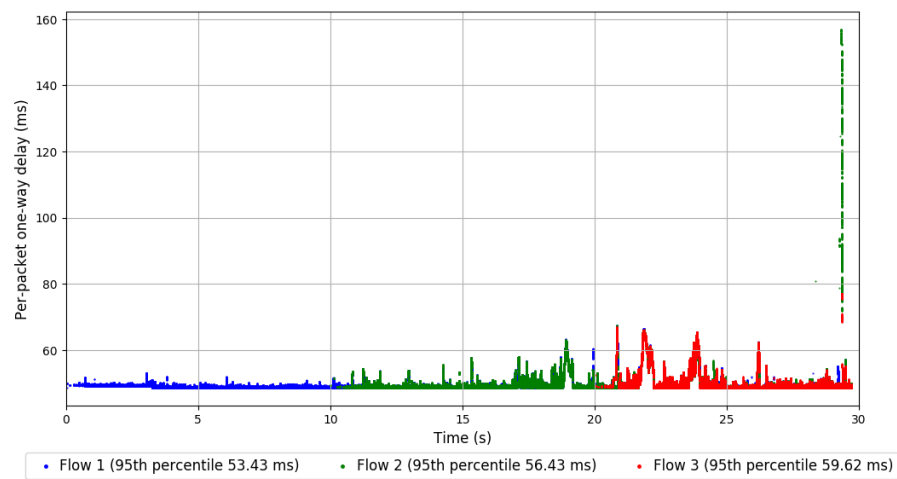
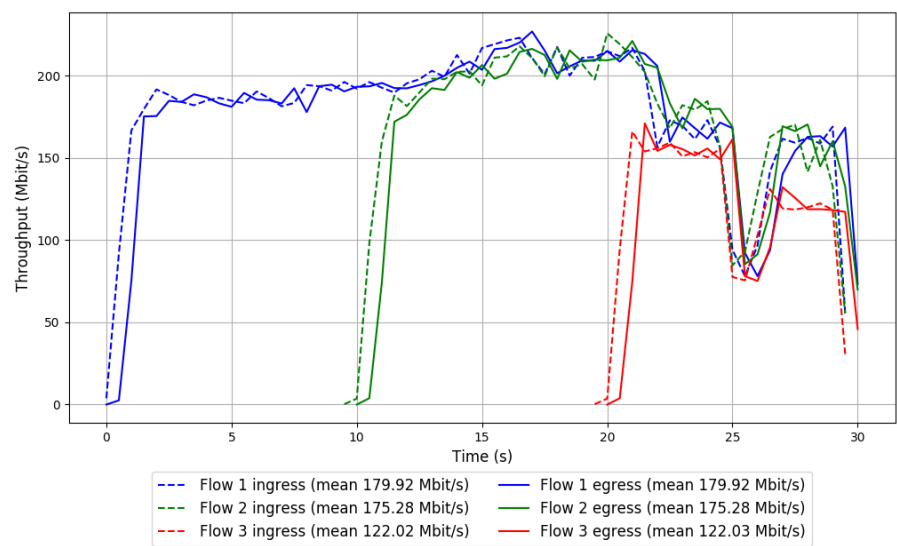


Run 6: Statistics of Indigo

Start at: 2018-07-01 18:40:12
End at: 2018-07-01 18:40:42
Local clock offset: 0.146 ms
Remote clock offset: -1.437 ms

Below is generated by plot.py at 2018-07-01 22:02:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 336.13 Mbit/s
95th percentile per-packet one-way delay: 55.680 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.92 Mbit/s
95th percentile per-packet one-way delay: 53.429 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 175.28 Mbit/s
95th percentile per-packet one-way delay: 56.431 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 122.03 Mbit/s
95th percentile per-packet one-way delay: 59.617 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

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

End at: 2018-07-01 19:04:34

Local clock offset: 0.175 ms

Remote clock offset: 0.091 ms

Below is generated by plot.py at 2018-07-01 22:02:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 361.25 Mbit/s

95th percentile per-packet one-way delay: 50.965 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 198.38 Mbit/s

95th percentile per-packet one-way delay: 50.787 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 173.42 Mbit/s

95th percentile per-packet one-way delay: 51.025 ms

Loss rate: 0.00%

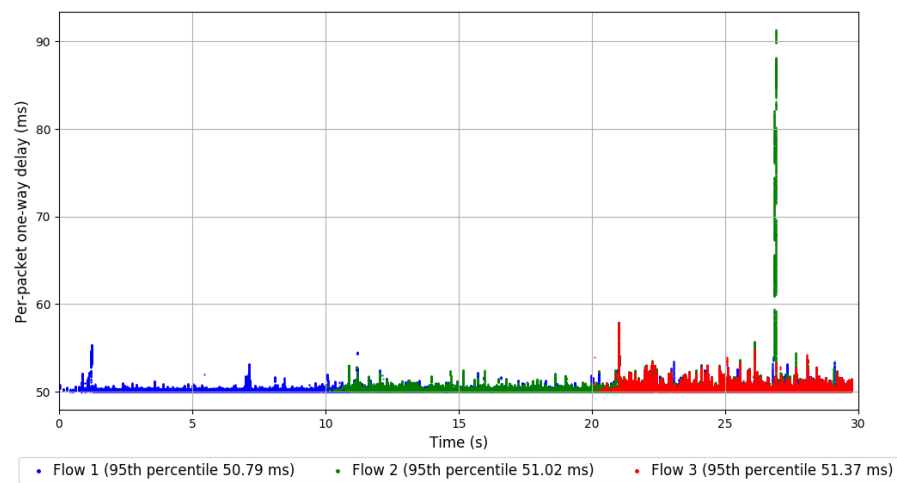
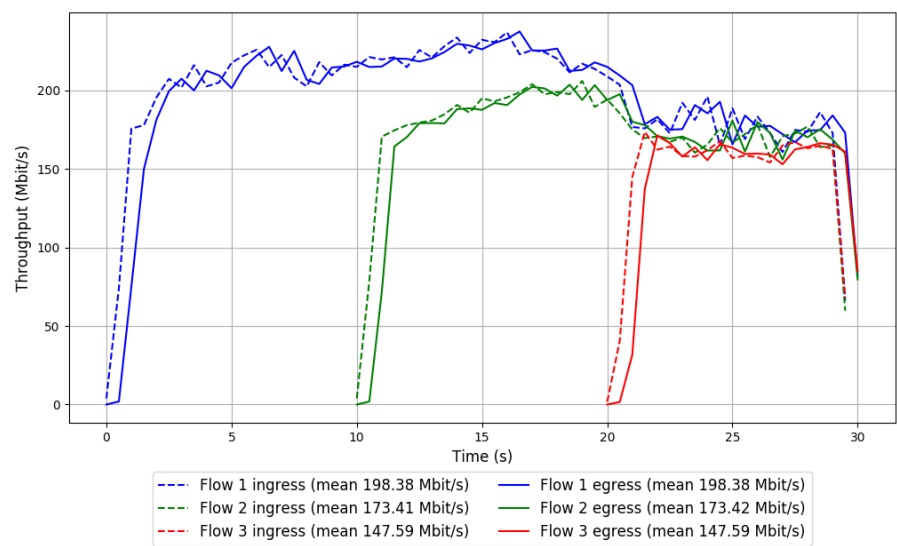
-- Flow 3:

Average throughput: 147.59 Mbit/s

95th percentile per-packet one-way delay: 51.373 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-01 19:28:08

End at: 2018-07-01 19:28:38

Local clock offset: -0.002 ms

Remote clock offset: -1.29 ms

Below is generated by plot.py at 2018-07-01 22:02:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 351.70 Mbit/s

95th percentile per-packet one-way delay: 50.438 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 188.89 Mbit/s

95th percentile per-packet one-way delay: 49.869 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 167.33 Mbit/s

95th percentile per-packet one-way delay: 50.657 ms

Loss rate: 0.00%

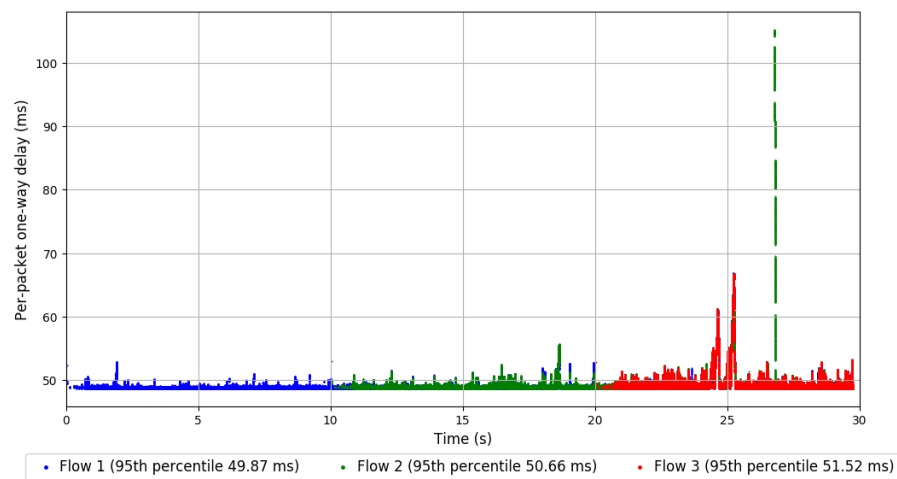
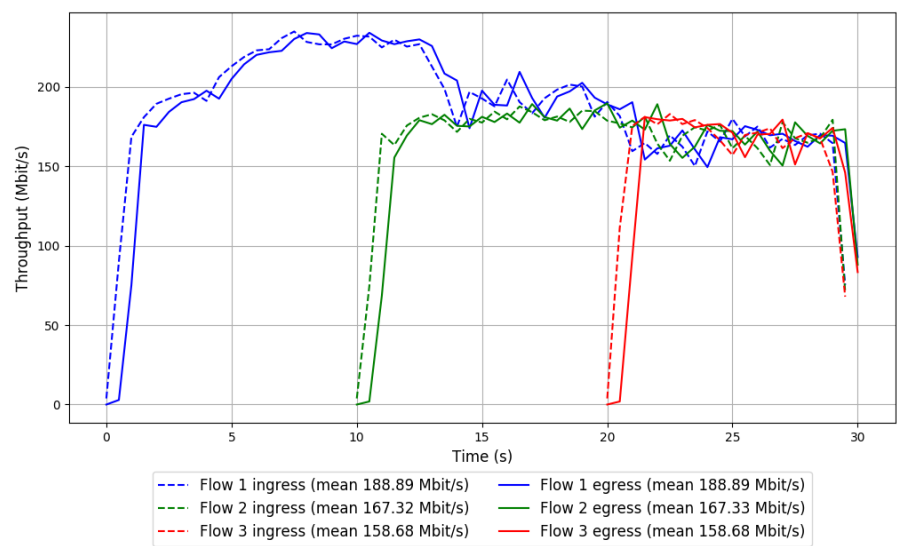
-- Flow 3:

Average throughput: 158.68 Mbit/s

95th percentile per-packet one-way delay: 51.525 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

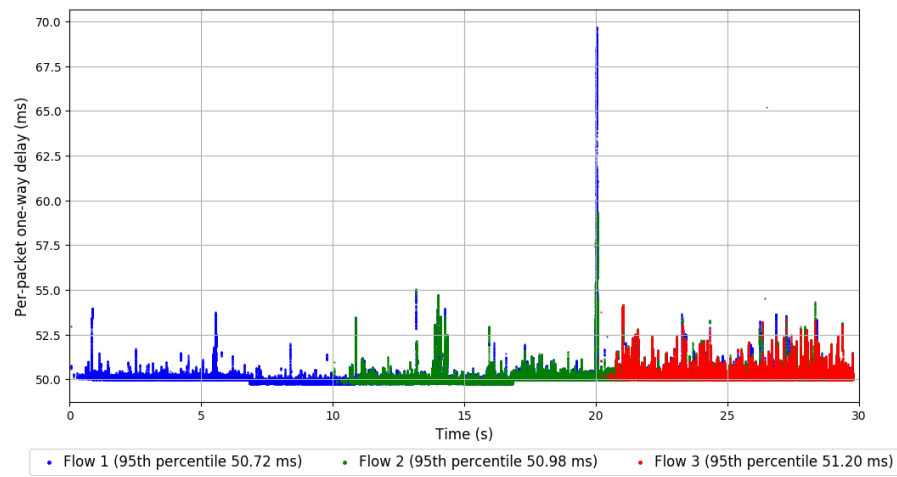
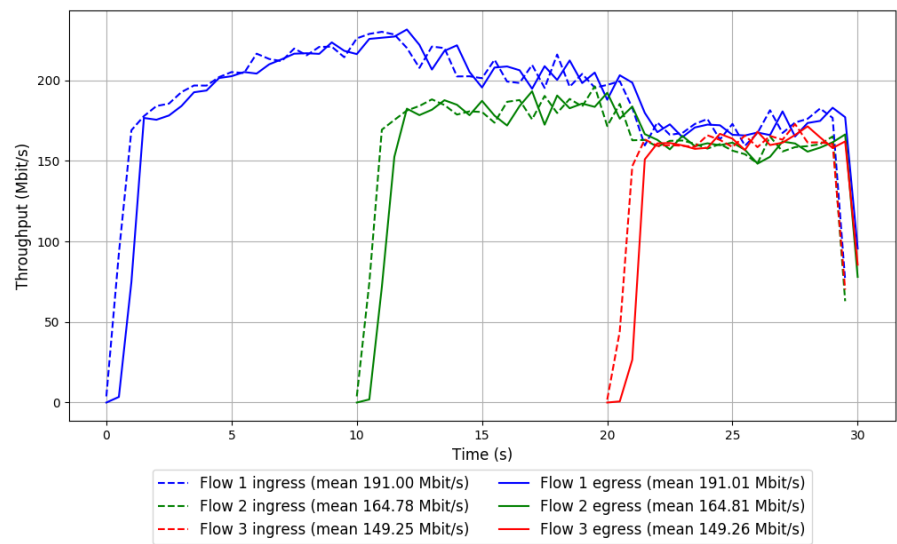


Run 9: Statistics of Indigo

Start at: 2018-07-01 19:52:08
End at: 2018-07-01 19:52:38
Local clock offset: -0.191 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-07-01 22:02:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 348.42 Mbit/s
95th percentile per-packet one-way delay: 50.877 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 191.01 Mbit/s
95th percentile per-packet one-way delay: 50.715 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 164.81 Mbit/s
95th percentile per-packet one-way delay: 50.975 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 149.26 Mbit/s
95th percentile per-packet one-way delay: 51.202 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

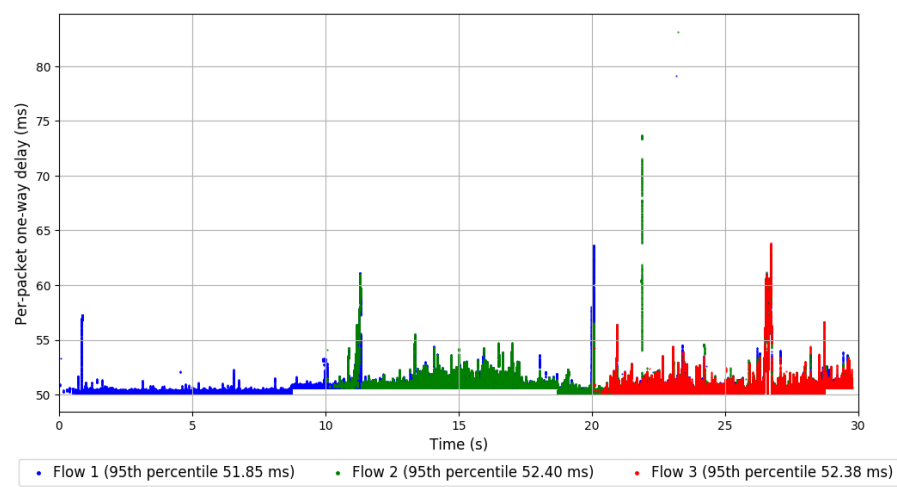
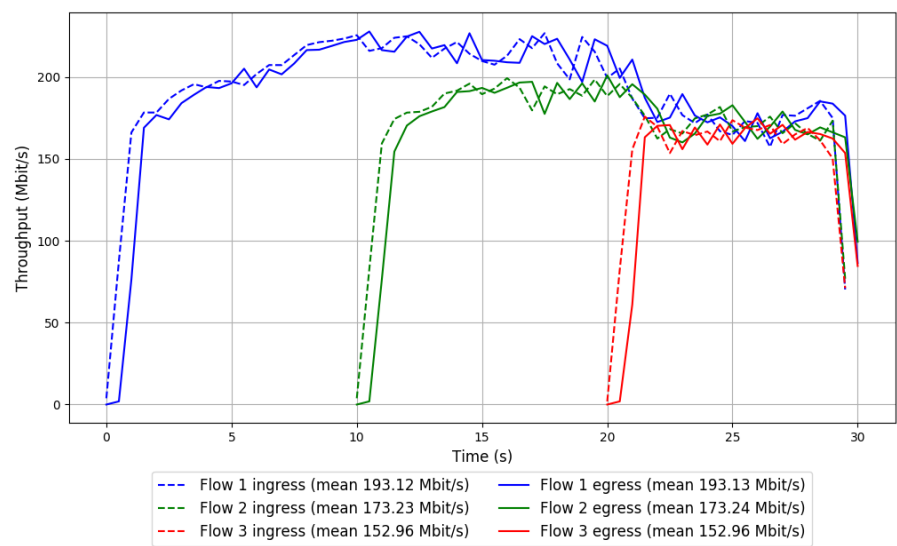


Run 10: Statistics of Indigo

Start at: 2018-07-01 20:16:16
End at: 2018-07-01 20:16:46
Local clock offset: 0.184 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-01 22:02:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 357.67 Mbit/s
95th percentile per-packet one-way delay: 52.086 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 193.13 Mbit/s
95th percentile per-packet one-way delay: 51.846 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 173.24 Mbit/s
95th percentile per-packet one-way delay: 52.395 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 152.96 Mbit/s
95th percentile per-packet one-way delay: 52.379 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

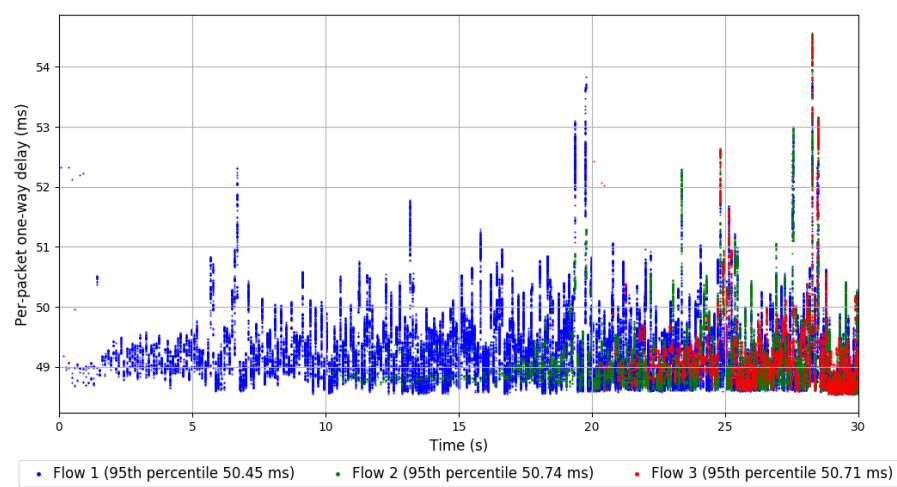
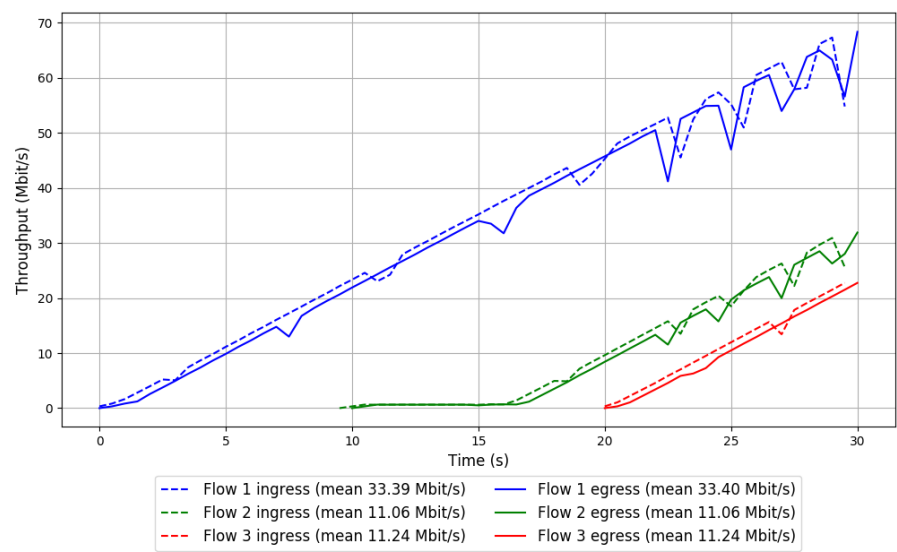


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-01 16:26:36
End at: 2018-07-01 16:27:06
Local clock offset: 0.111 ms
Remote clock offset: -1.489 ms

# Below is generated by plot.py at 2018-07-01 22:02:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.43 Mbit/s
95th percentile per-packet one-way delay: 50.503 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.40 Mbit/s
95th percentile per-packet one-way delay: 50.455 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.06 Mbit/s
95th percentile per-packet one-way delay: 50.736 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.24 Mbit/s
95th percentile per-packet one-way delay: 50.706 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

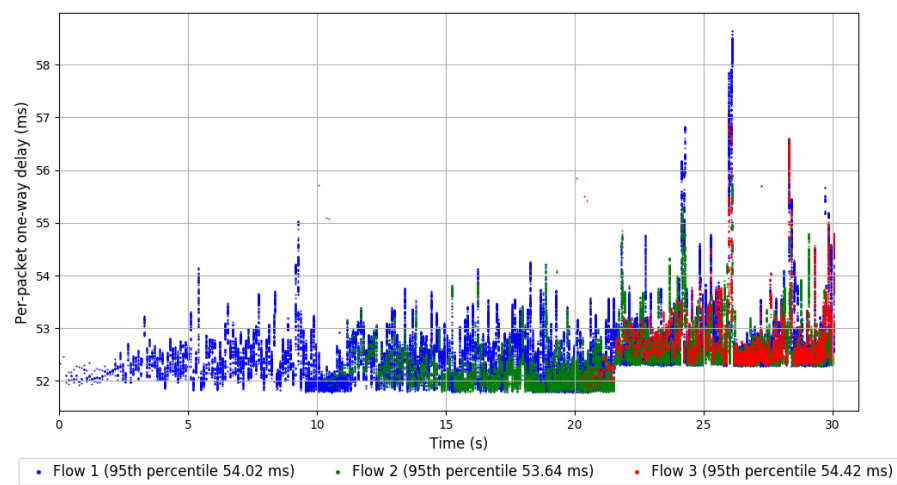
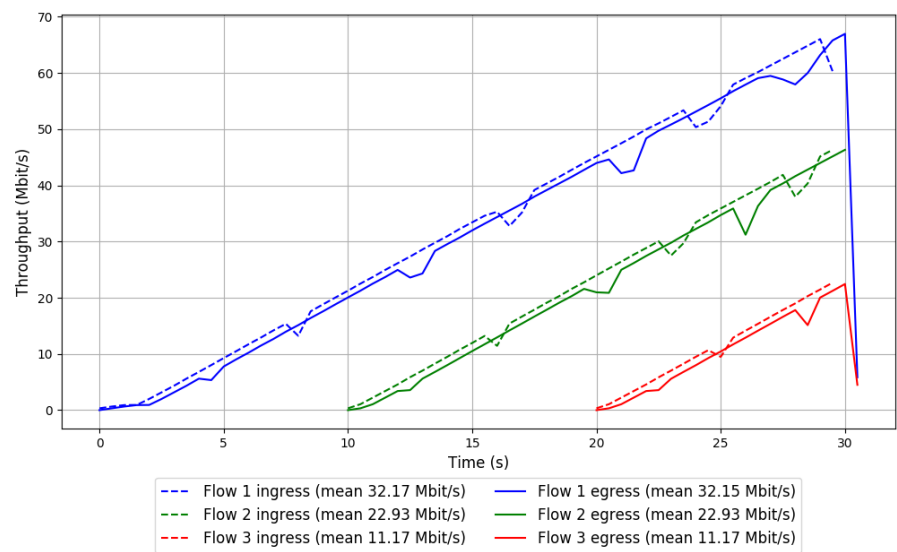


```
Run 2: Statistics of LEDBAT

Start at: 2018-07-01 16:50:24
End at: 2018-07-01 16:50:54
Local clock offset: -0.283 ms
Remote clock offset: 1.351 ms

# Below is generated by plot.py at 2018-07-01 22:02:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.10 Mbit/s
95th percentile per-packet one-way delay: 53.801 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 32.15 Mbit/s
95th percentile per-packet one-way delay: 54.025 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 22.93 Mbit/s
95th percentile per-packet one-way delay: 53.642 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.17 Mbit/s
95th percentile per-packet one-way delay: 54.425 ms
Loss rate: 0.05%
```

Run 2: Report of LEDBAT — Data Link

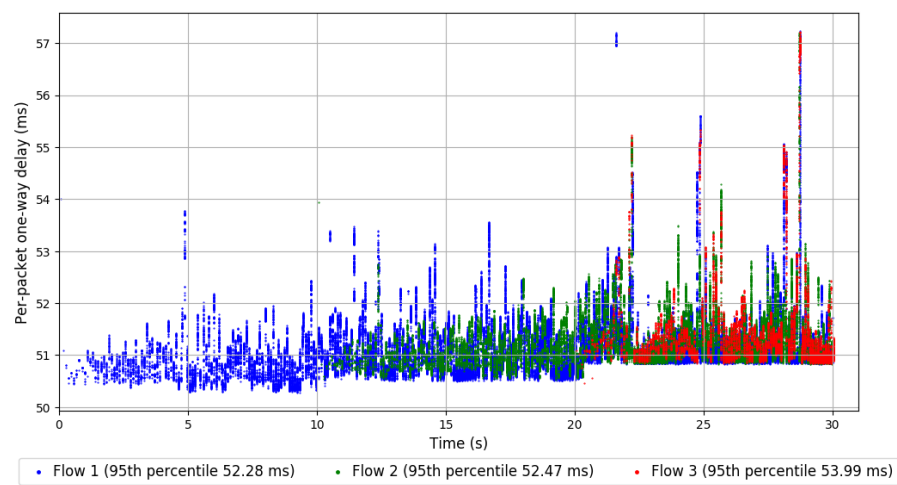
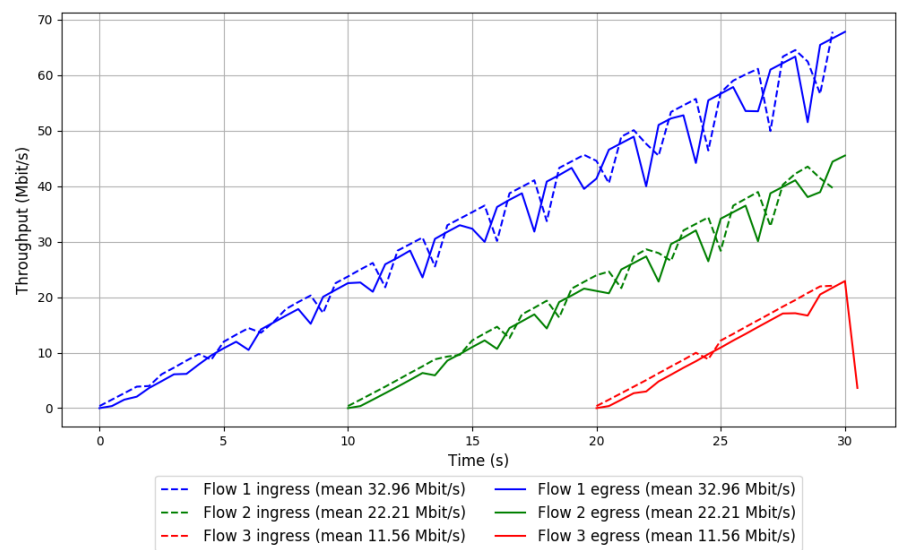


Run 3: Statistics of LEDBAT

Start at: 2018-07-01 17:15:05
End at: 2018-07-01 17:15:35
Local clock offset: -0.248 ms
Remote clock offset: 0.11 ms

Below is generated by plot.py at 2018-07-01 22:02:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.51 Mbit/s
95th percentile per-packet one-way delay: 52.415 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.96 Mbit/s
95th percentile per-packet one-way delay: 52.284 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 22.21 Mbit/s
95th percentile per-packet one-way delay: 52.472 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.56 Mbit/s
95th percentile per-packet one-way delay: 53.992 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

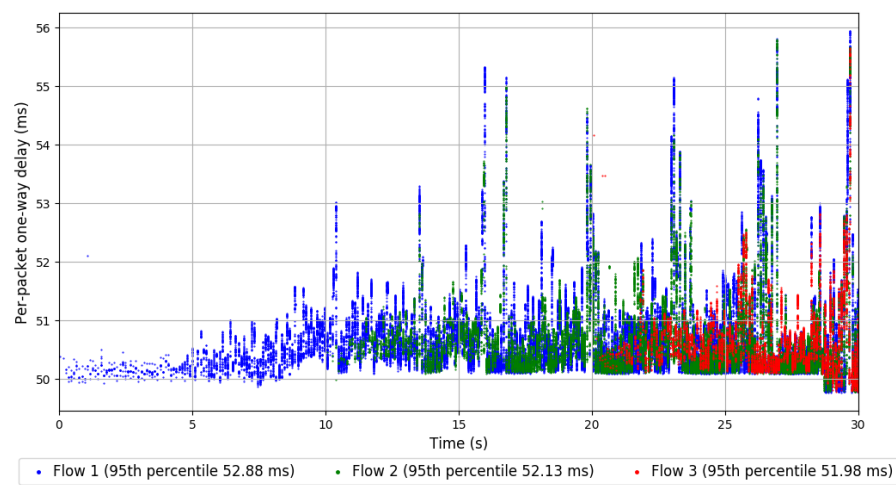
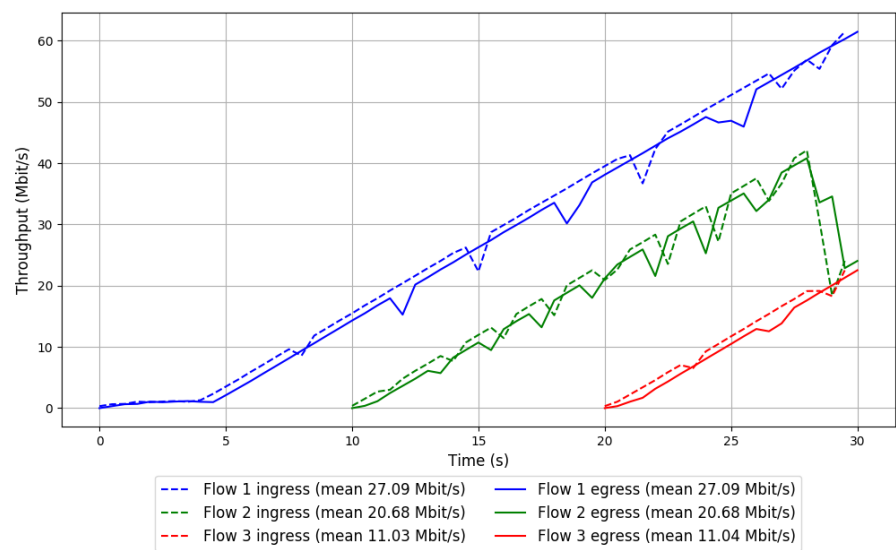


Run 4: Statistics of LEDBAT

Start at: 2018-07-01 17:39:16
End at: 2018-07-01 17:39:46
Local clock offset: 0.253 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-07-01 22:02:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.50 Mbit/s
95th percentile per-packet one-way delay: 52.557 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 27.09 Mbit/s
95th percentile per-packet one-way delay: 52.885 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.68 Mbit/s
95th percentile per-packet one-way delay: 52.133 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.04 Mbit/s
95th percentile per-packet one-way delay: 51.982 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

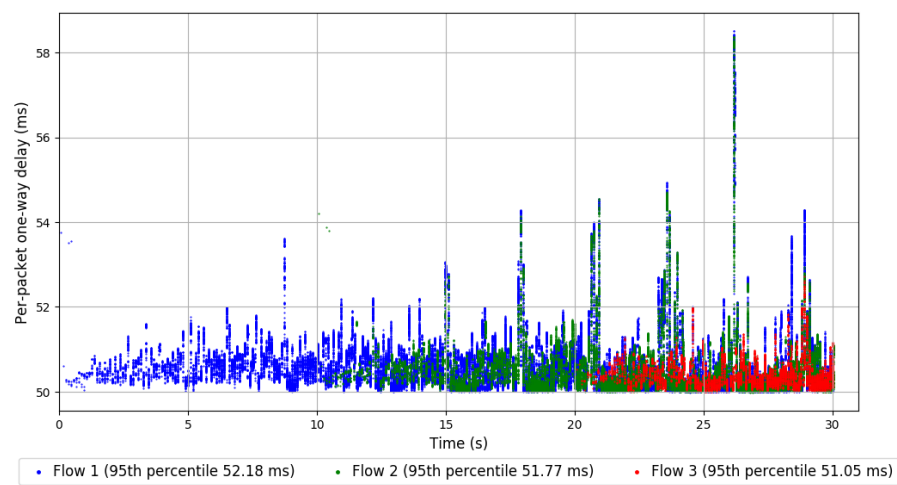
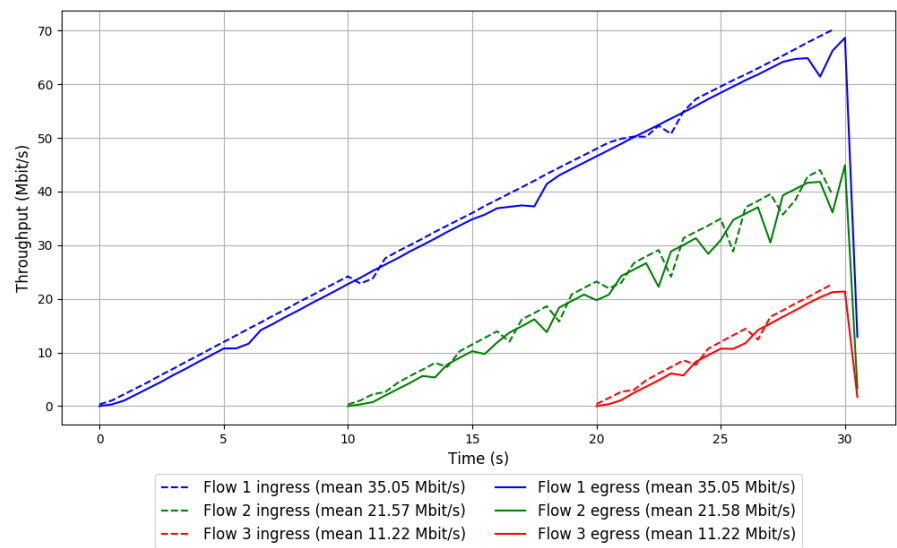


Run 5: Statistics of LEDBAT

Start at: 2018-07-01 18:03:38
End at: 2018-07-01 18:04:08
Local clock offset: 0.264 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-01 22:02:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.12 Mbit/s
95th percentile per-packet one-way delay: 52.001 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.05 Mbit/s
95th percentile per-packet one-way delay: 52.177 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.58 Mbit/s
95th percentile per-packet one-way delay: 51.771 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.22 Mbit/s
95th percentile per-packet one-way delay: 51.051 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

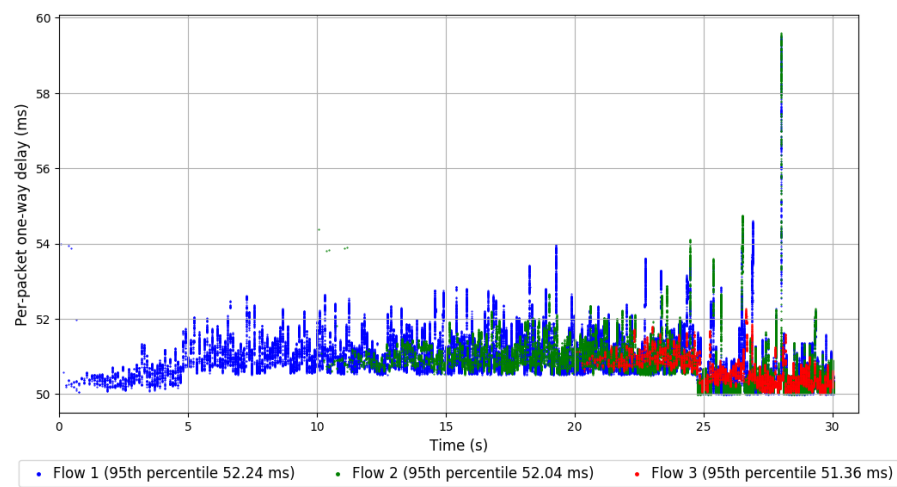
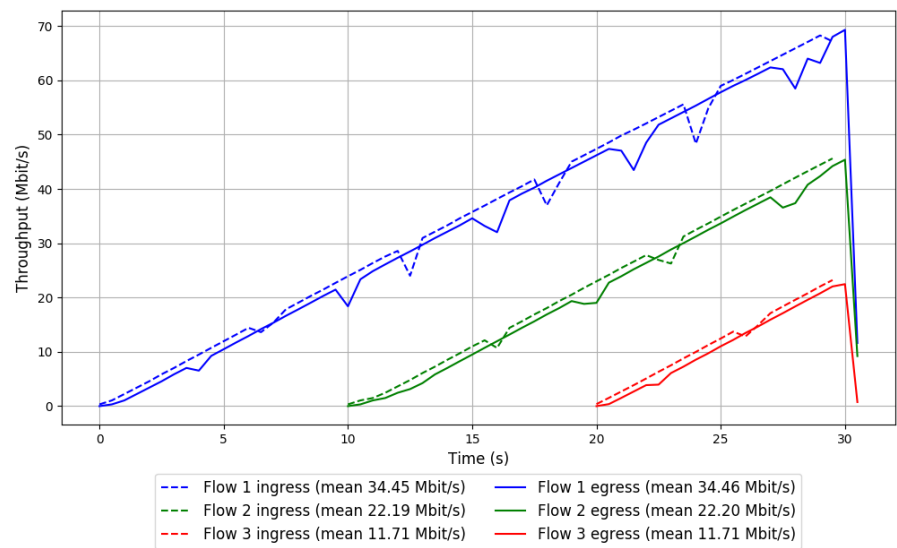


Run 6: Statistics of LEDBAT

Start at: 2018-07-01 18:27:40
End at: 2018-07-01 18:28:10
Local clock offset: 0.259 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-01 22:02:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.12 Mbit/s
95th percentile per-packet one-way delay: 52.148 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.46 Mbit/s
95th percentile per-packet one-way delay: 52.241 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 22.20 Mbit/s
95th percentile per-packet one-way delay: 52.042 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.71 Mbit/s
95th percentile per-packet one-way delay: 51.359 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-01 18:51:23

End at: 2018-07-01 18:51:53

Local clock offset: 0.195 ms

Remote clock offset: 1.196 ms

Below is generated by plot.py at 2018-07-01 22:02:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.22 Mbit/s

95th percentile per-packet one-way delay: 53.262 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.85 Mbit/s

95th percentile per-packet one-way delay: 53.339 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.58 Mbit/s

95th percentile per-packet one-way delay: 53.159 ms

Loss rate: 0.00%

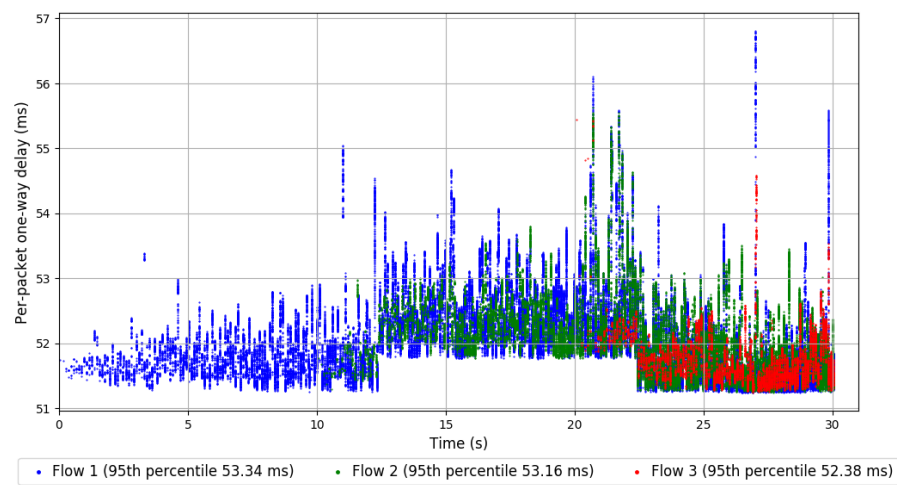
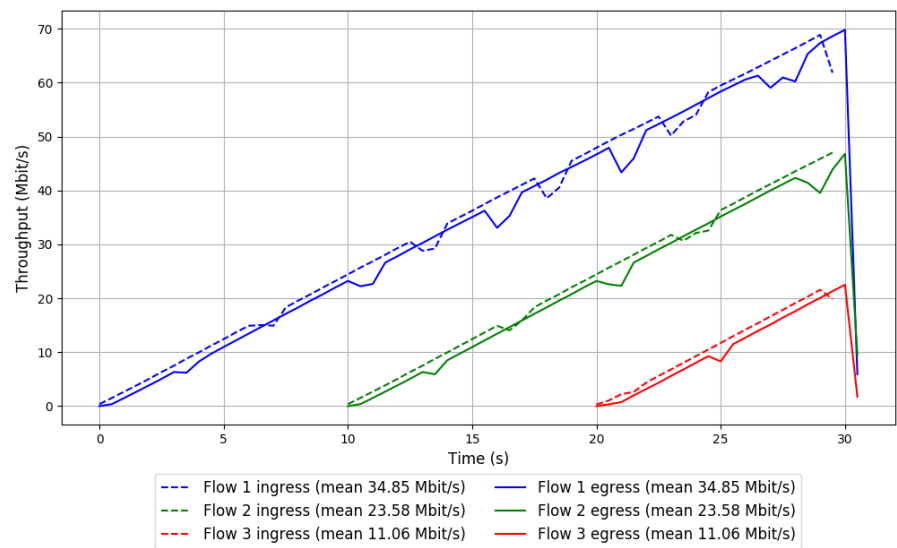
-- Flow 3:

Average throughput: 11.06 Mbit/s

95th percentile per-packet one-way delay: 52.379 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

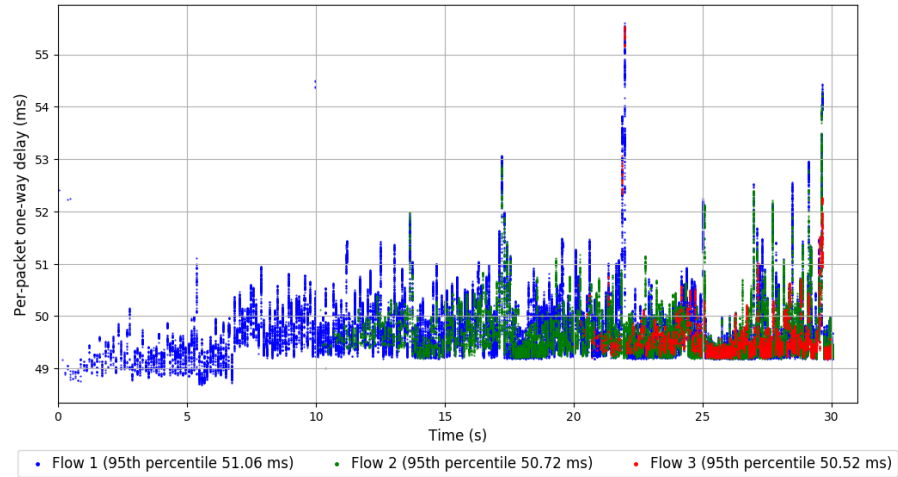
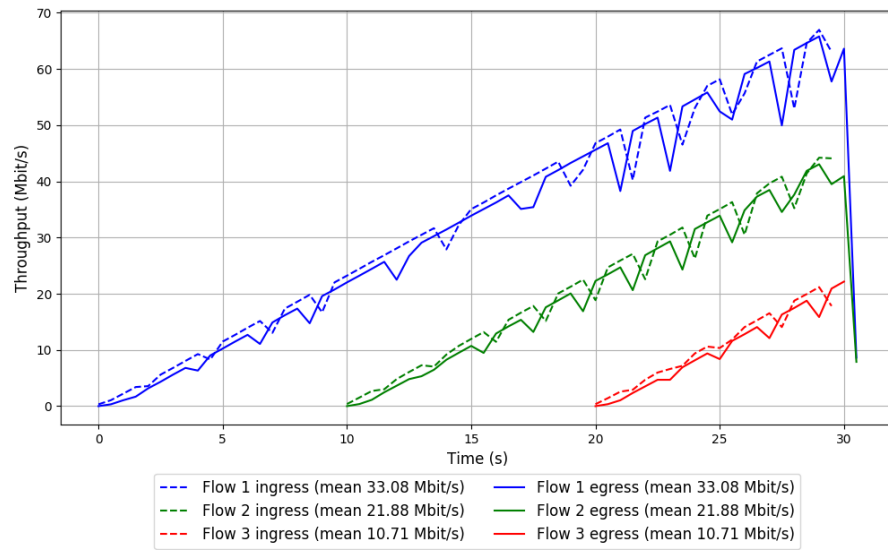


Run 8: Statistics of LEDBAT

Start at: 2018-07-01 19:15:18
End at: 2018-07-01 19:15:48
Local clock offset: 0.024 ms
Remote clock offset: -1.358 ms

Below is generated by plot.py at 2018-07-01 22:02:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.19 Mbit/s
95th percentile per-packet one-way delay: 50.943 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.08 Mbit/s
95th percentile per-packet one-way delay: 51.061 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.88 Mbit/s
95th percentile per-packet one-way delay: 50.720 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.71 Mbit/s
95th percentile per-packet one-way delay: 50.524 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-01 19:39:24

End at: 2018-07-01 19:39:54

Local clock offset: 0.061 ms

Remote clock offset: 0.977 ms

Below is generated by plot.py at 2018-07-01 22:02:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.24 Mbit/s

95th percentile per-packet one-way delay: 53.209 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.42 Mbit/s

95th percentile per-packet one-way delay: 53.230 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 17.45 Mbit/s

95th percentile per-packet one-way delay: 53.209 ms

Loss rate: 0.00%

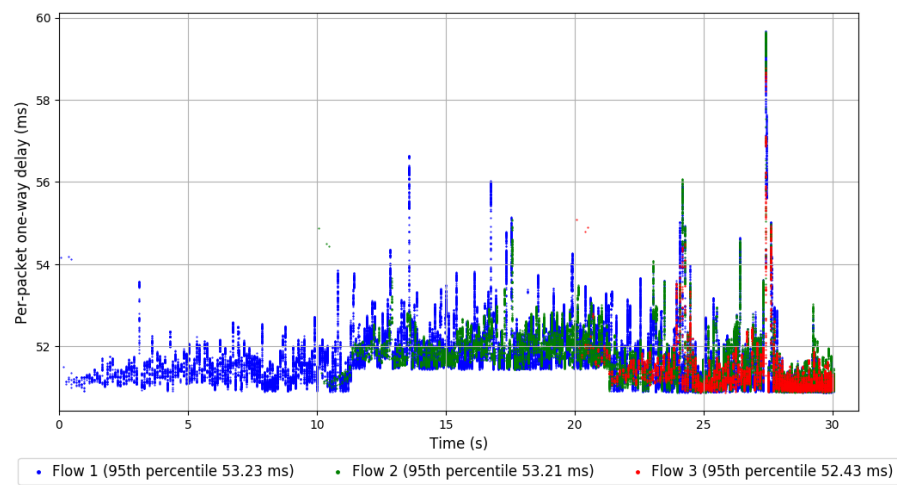
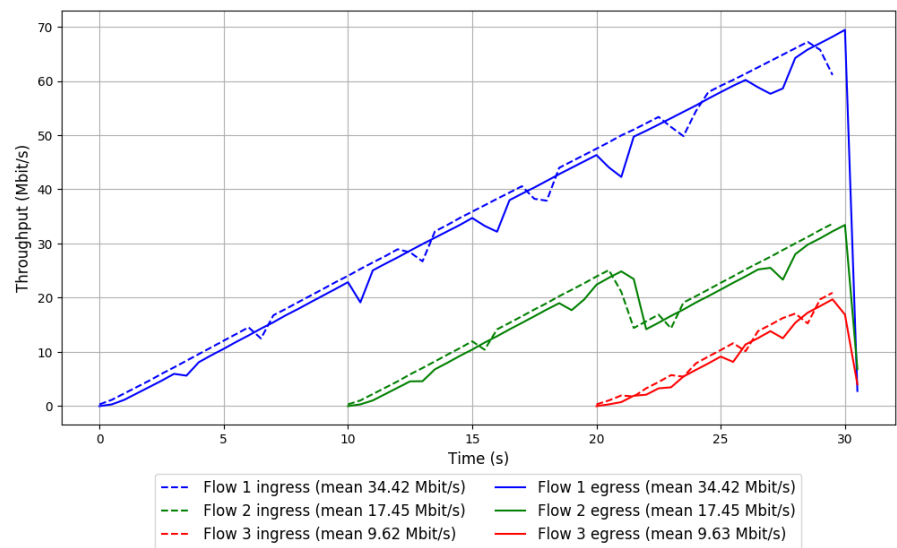
-- Flow 3:

Average throughput: 9.63 Mbit/s

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

Loss rate: 0.01%

Run 9: Report of LEDBAT — Data Link

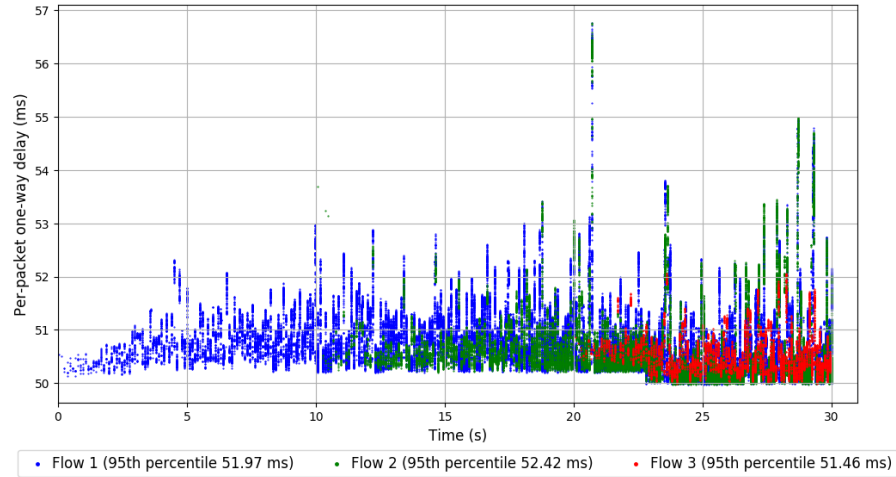
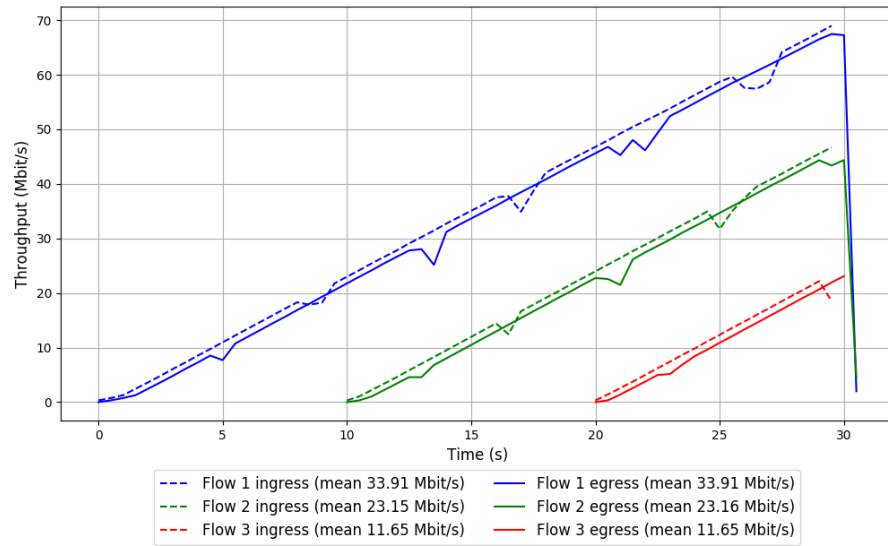


Run 10: Statistics of LEDBAT

Start at: 2018-07-01 20:03:22
End at: 2018-07-01 20:03:52
Local clock offset: -0.2 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-01 22:02:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.17 Mbit/s
95th percentile per-packet one-way delay: 52.051 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.91 Mbit/s
95th percentile per-packet one-way delay: 51.970 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.16 Mbit/s
95th percentile per-packet one-way delay: 52.418 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 51.459 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

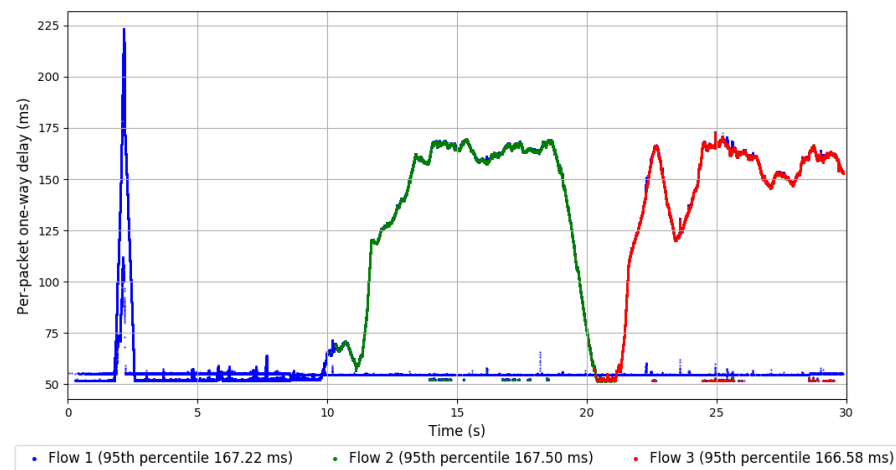
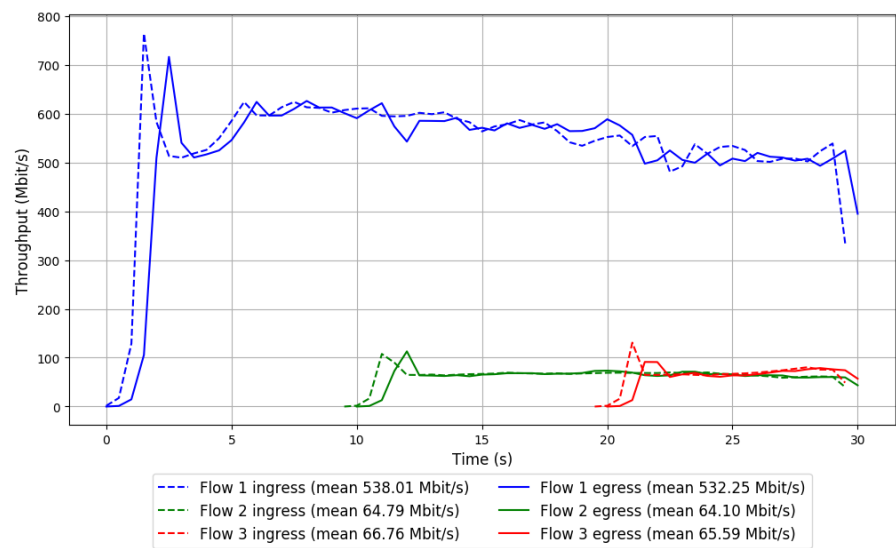


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-01 16:36:26
End at: 2018-07-01 16:36:56
Local clock offset: 0.165 ms
Remote clock offset: 1.432 ms

# Below is generated by plot.py at 2018-07-01 22:02:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 596.40 Mbit/s
95th percentile per-packet one-way delay: 167.234 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 532.25 Mbit/s
95th percentile per-packet one-way delay: 167.221 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 64.10 Mbit/s
95th percentile per-packet one-way delay: 167.501 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 65.59 Mbit/s
95th percentile per-packet one-way delay: 166.578 ms
Loss rate: 1.94%
```

Run 1: Report of PCC-Allegro — Data Link

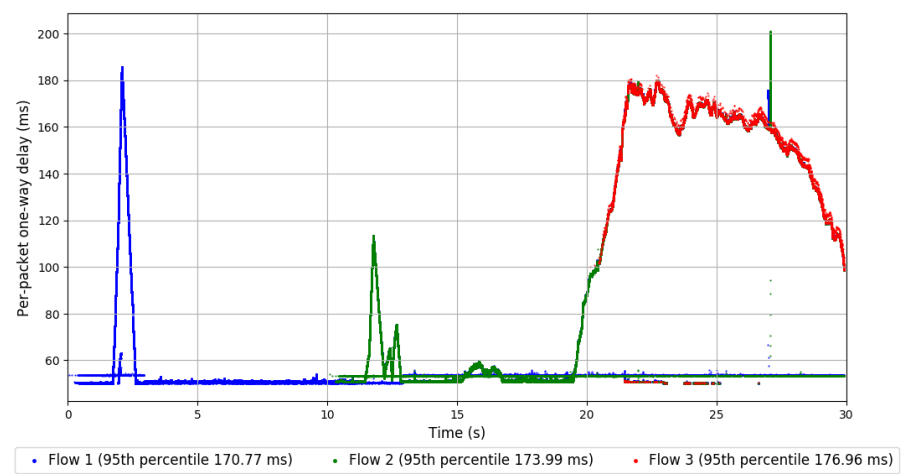
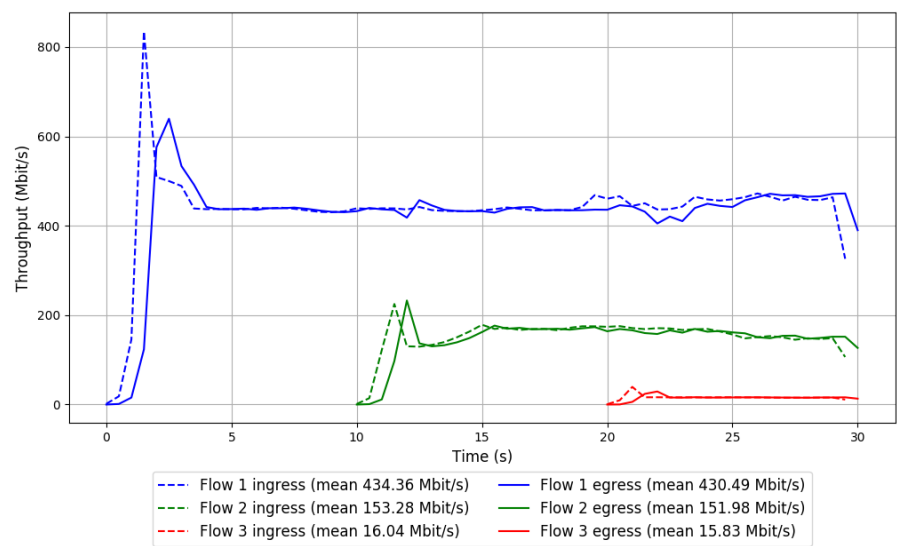


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-01 17:00:52
End at: 2018-07-01 17:01:22
Local clock offset: -0.151 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-07-01 22:02:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 536.47 Mbit/s
95th percentile per-packet one-way delay: 171.499 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 430.49 Mbit/s
95th percentile per-packet one-way delay: 170.771 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 151.98 Mbit/s
95th percentile per-packet one-way delay: 173.986 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 15.83 Mbit/s
95th percentile per-packet one-way delay: 176.955 ms
Loss rate: 1.73%

Run 2: Report of PCC-Allegro — Data Link

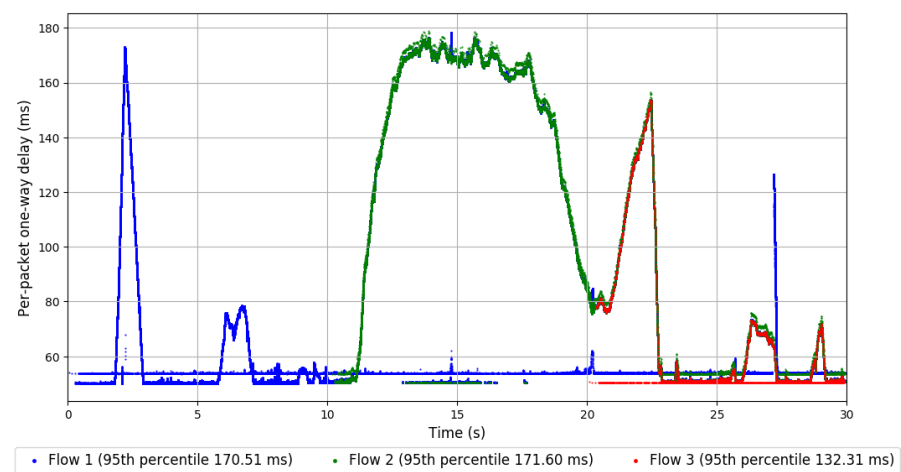
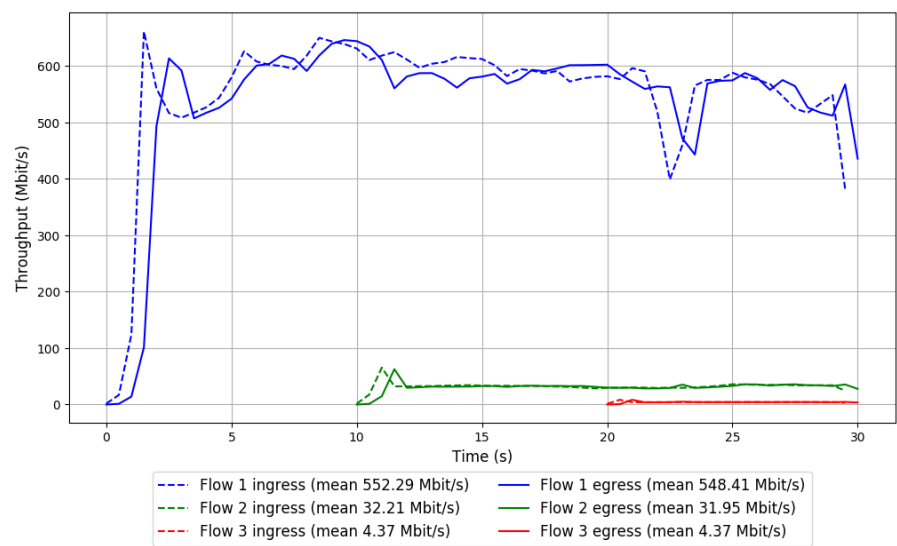


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-01 17:25:06
End at: 2018-07-01 17:25:36
Local clock offset: -0.24 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-07-01 22:02:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 571.09 Mbit/s
95th percentile per-packet one-way delay: 170.548 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 548.41 Mbit/s
95th percentile per-packet one-way delay: 170.512 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 31.95 Mbit/s
95th percentile per-packet one-way delay: 171.605 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 132.313 ms
Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link

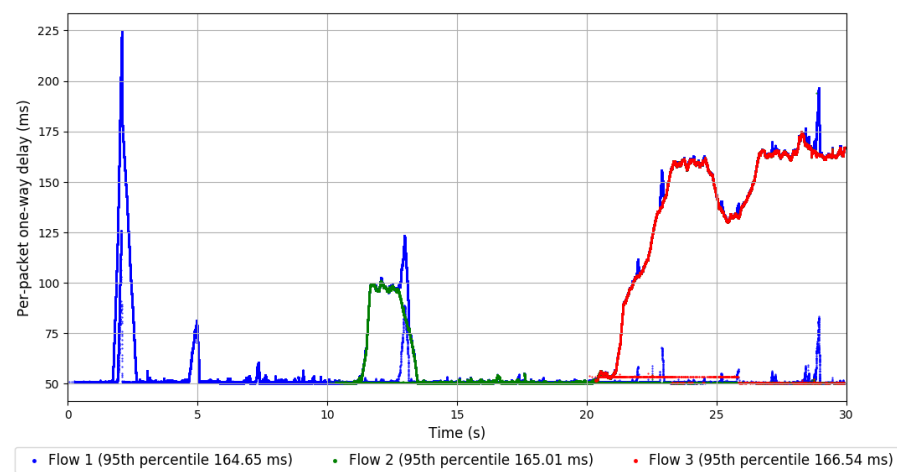
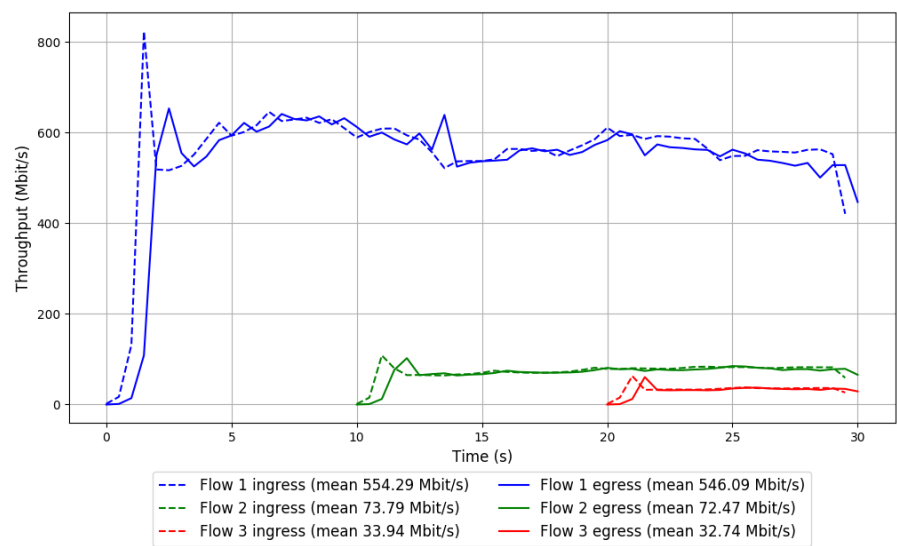


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-01 17:49:29
End at: 2018-07-01 17:49:59
Local clock offset: -0.029 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-07-01 22:02:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 604.97 Mbit/s
95th percentile per-packet one-way delay: 164.776 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 546.09 Mbit/s
95th percentile per-packet one-way delay: 164.653 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 72.47 Mbit/s
95th percentile per-packet one-way delay: 165.008 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 32.74 Mbit/s
95th percentile per-packet one-way delay: 166.541 ms
Loss rate: 3.52%

Run 4: Report of PCC-Allegro — Data Link

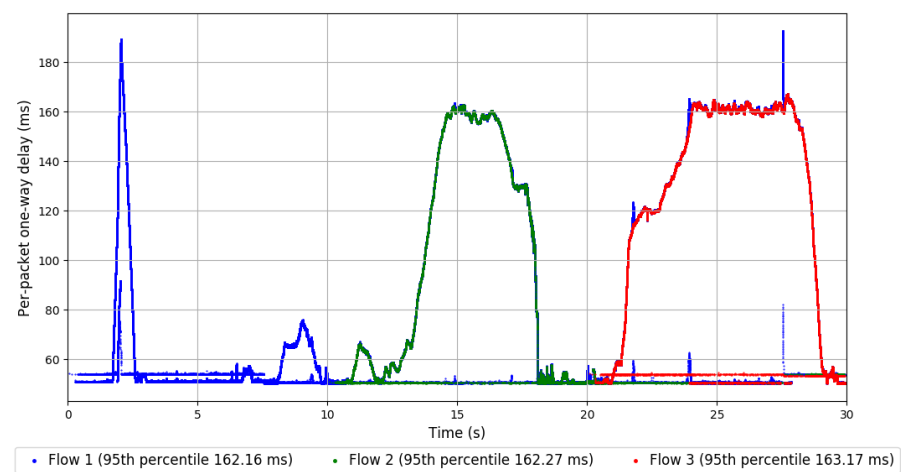
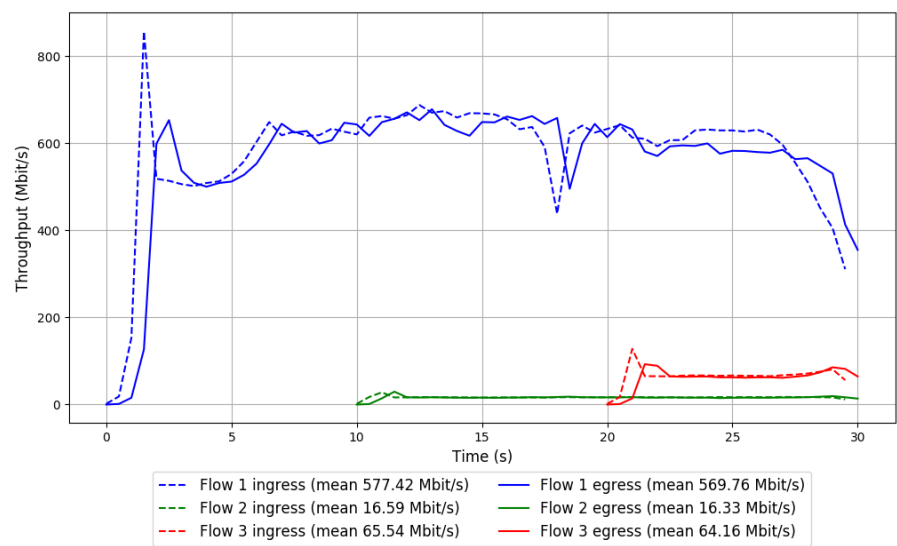


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-01 18:13:27
End at: 2018-07-01 18:13:57
Local clock offset: 0.096 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-01 22:02:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 601.75 Mbit/s
95th percentile per-packet one-way delay: 162.229 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 569.76 Mbit/s
95th percentile per-packet one-way delay: 162.159 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 16.33 Mbit/s
95th percentile per-packet one-way delay: 162.269 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 64.16 Mbit/s
95th percentile per-packet one-way delay: 163.174 ms
Loss rate: 2.15%

Run 5: Report of PCC-Allegro — Data Link

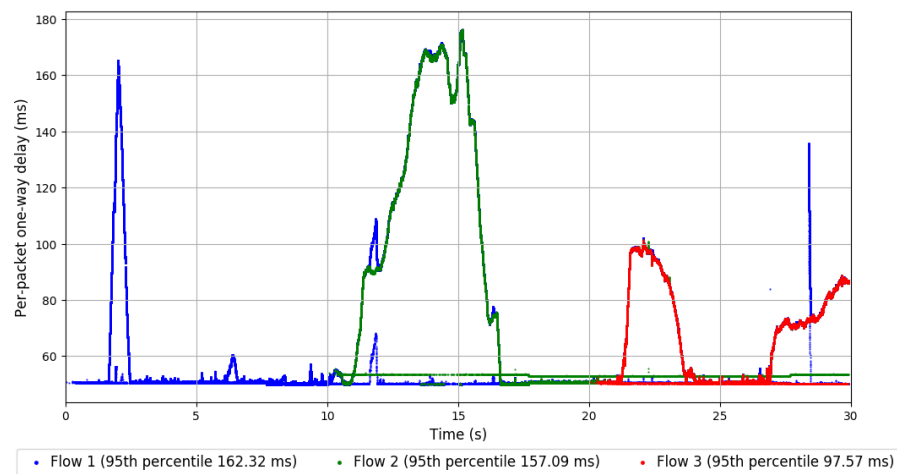
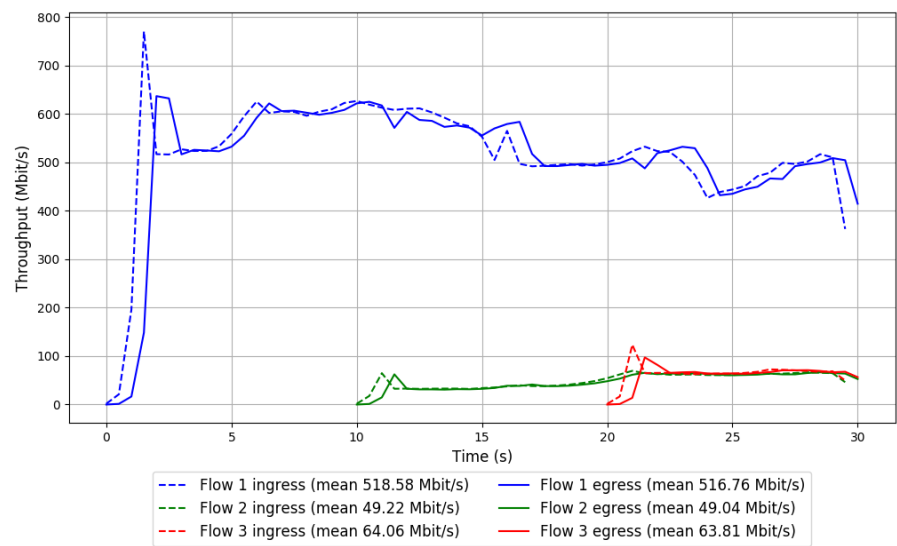


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-01 18:37:17
End at: 2018-07-01 18:37:47
Local clock offset: 0.235 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-01 22:02:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 570.33 Mbit/s
95th percentile per-packet one-way delay: 160.949 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 516.76 Mbit/s
95th percentile per-packet one-way delay: 162.323 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 49.04 Mbit/s
95th percentile per-packet one-way delay: 157.089 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 63.81 Mbit/s
95th percentile per-packet one-way delay: 97.569 ms
Loss rate: 0.38%

Run 6: Report of PCC-Allegro — Data Link

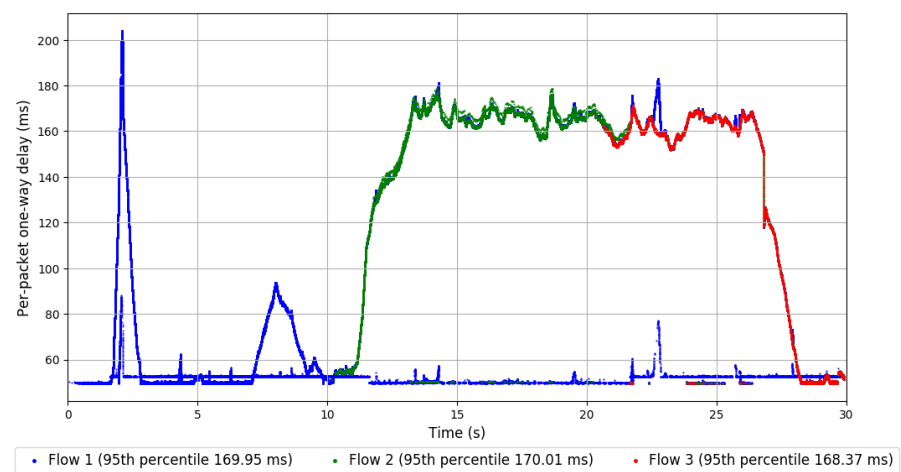
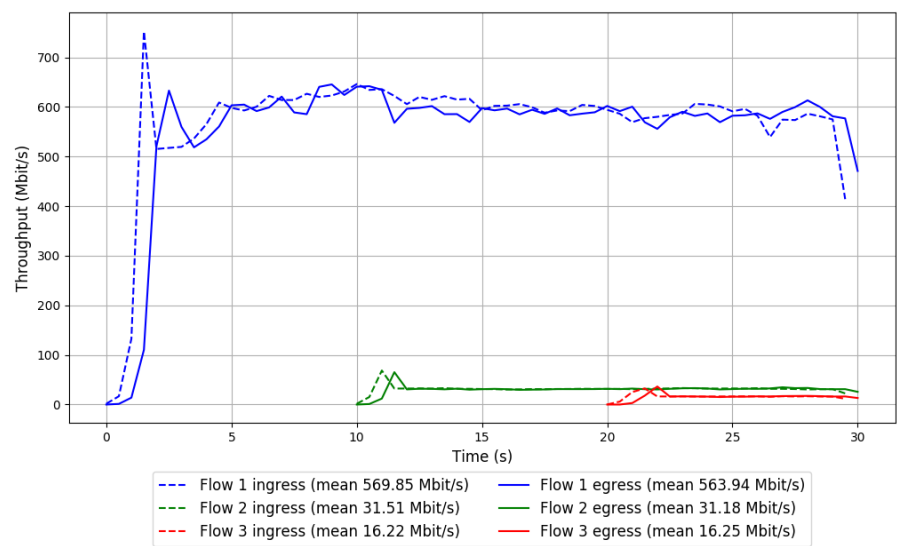


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-01 19:01:13
End at: 2018-07-01 19:01:43
Local clock offset: 0.14 ms
Remote clock offset: -0.383 ms

Below is generated by plot.py at 2018-07-01 22:08:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 589.94 Mbit/s
95th percentile per-packet one-way delay: 169.937 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 563.94 Mbit/s
95th percentile per-packet one-way delay: 169.952 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 31.18 Mbit/s
95th percentile per-packet one-way delay: 170.010 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 16.25 Mbit/s
95th percentile per-packet one-way delay: 168.374 ms
Loss rate: 1.04%

Run 7: Report of PCC-Allegro — Data Link

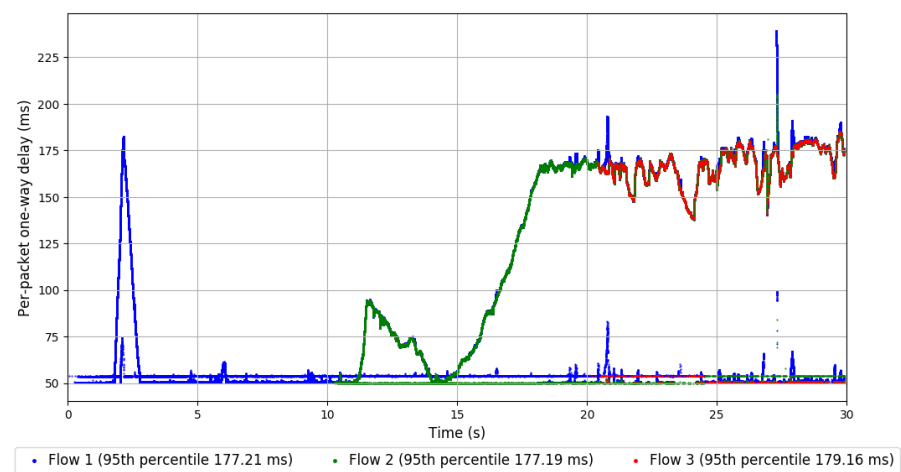
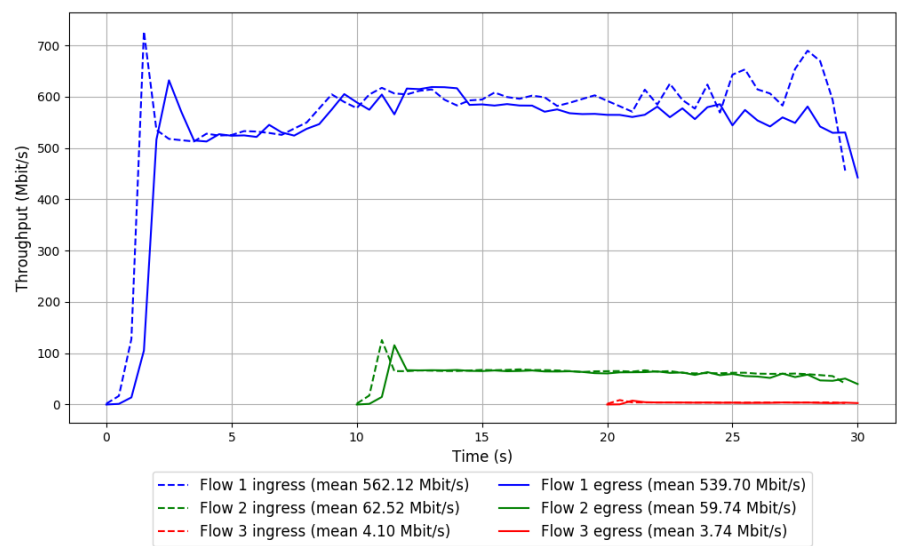


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-01 19:25:01
End at: 2018-07-01 19:25:31
Local clock offset: -0.074 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-01 22:08:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 580.60 Mbit/s
95th percentile per-packet one-way delay: 177.215 ms
Loss rate: 4.04%
-- Flow 1:
Average throughput: 539.70 Mbit/s
95th percentile per-packet one-way delay: 177.209 ms
Loss rate: 4.00%
-- Flow 2:
Average throughput: 59.74 Mbit/s
95th percentile per-packet one-way delay: 177.189 ms
Loss rate: 4.43%
-- Flow 3:
Average throughput: 3.74 Mbit/s
95th percentile per-packet one-way delay: 179.161 ms
Loss rate: 8.98%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-01 19:49:17

End at: 2018-07-01 19:49:47

Local clock offset: -0.153 ms

Remote clock offset: 1.261 ms

Below is generated by plot.py at 2018-07-01 22:08:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 542.51 Mbit/s

95th percentile per-packet one-way delay: 138.227 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 440.25 Mbit/s

95th percentile per-packet one-way delay: 138.358 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 145.94 Mbit/s

95th percentile per-packet one-way delay: 137.947 ms

Loss rate: 0.00%

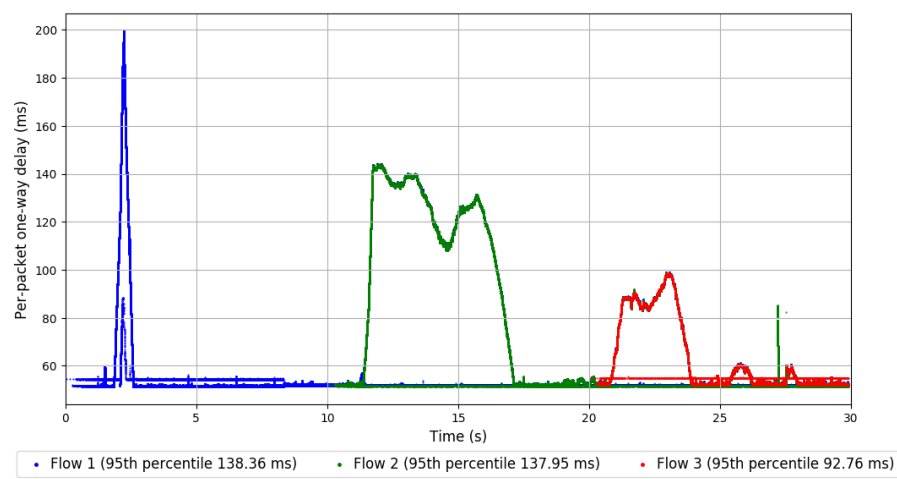
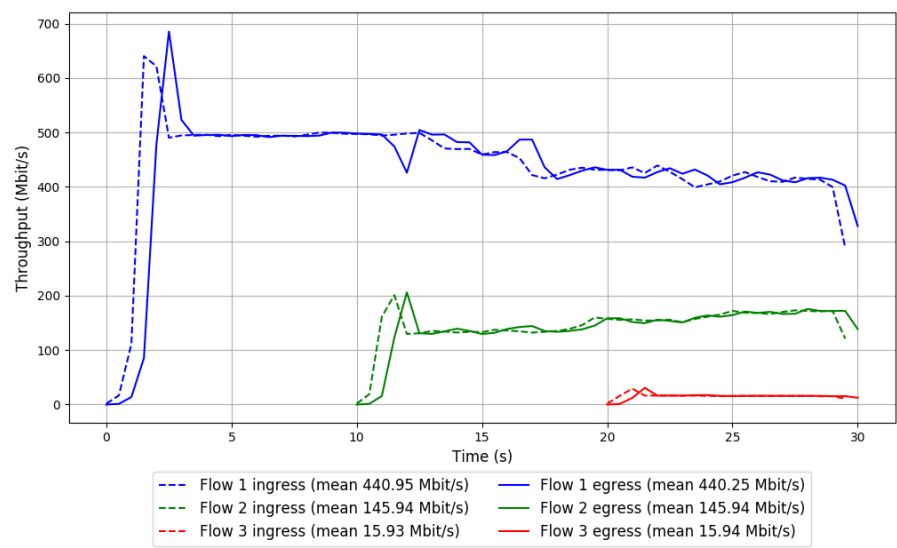
-- Flow 3:

Average throughput: 15.94 Mbit/s

95th percentile per-packet one-way delay: 92.756 ms

Loss rate: 0.00%

Run 9: Report of PCC-Allegro — Data Link

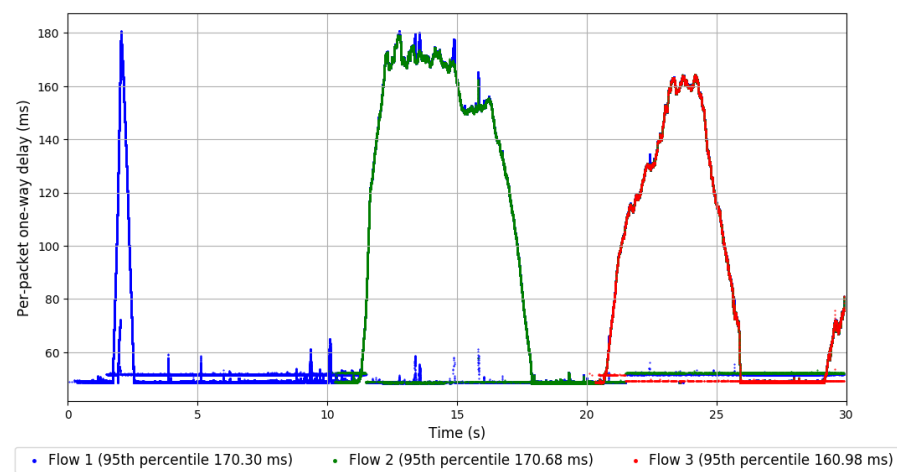
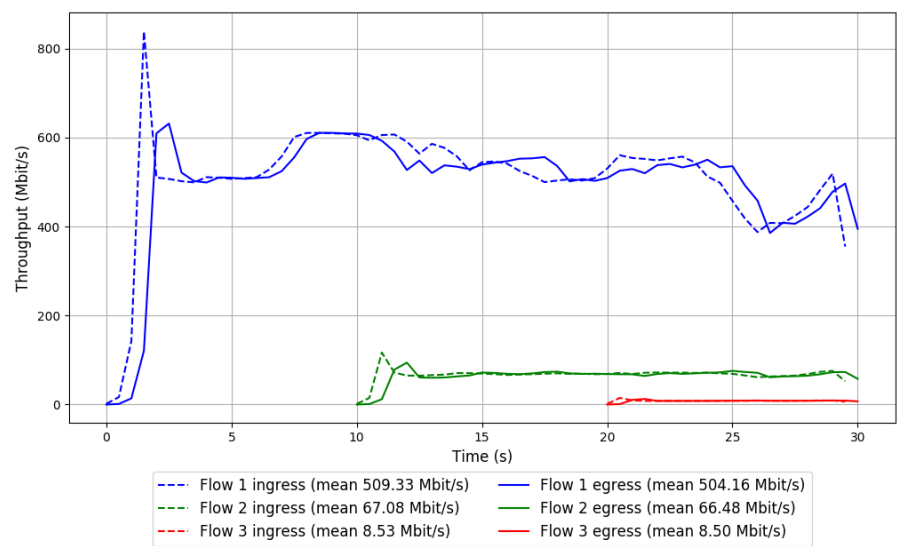


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-01 20:13:24
End at: 2018-07-01 20:13:54
Local clock offset: 0.436 ms
Remote clock offset: -1.352 ms

Below is generated by plot.py at 2018-07-01 22:09:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 551.09 Mbit/s
95th percentile per-packet one-way delay: 170.318 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 504.16 Mbit/s
95th percentile per-packet one-way delay: 170.299 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 66.48 Mbit/s
95th percentile per-packet one-way delay: 170.676 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 8.50 Mbit/s
95th percentile per-packet one-way delay: 160.980 ms
Loss rate: 0.37%

Run 10: Report of PCC-Allegro — Data Link

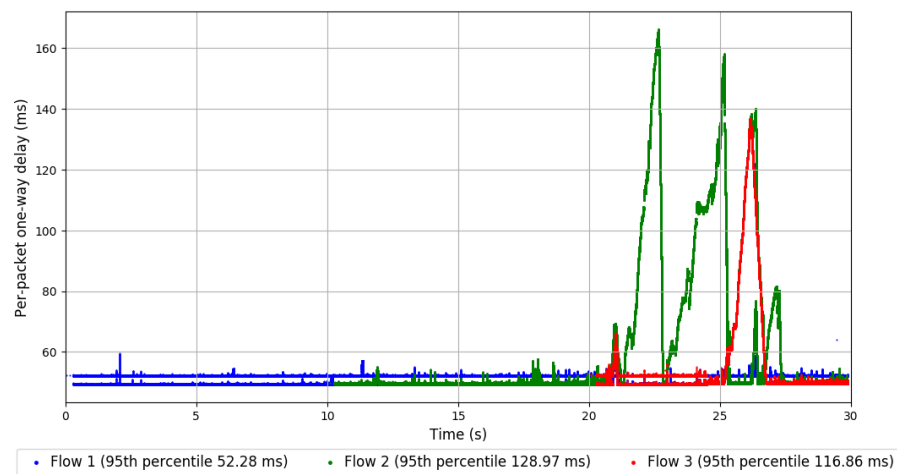
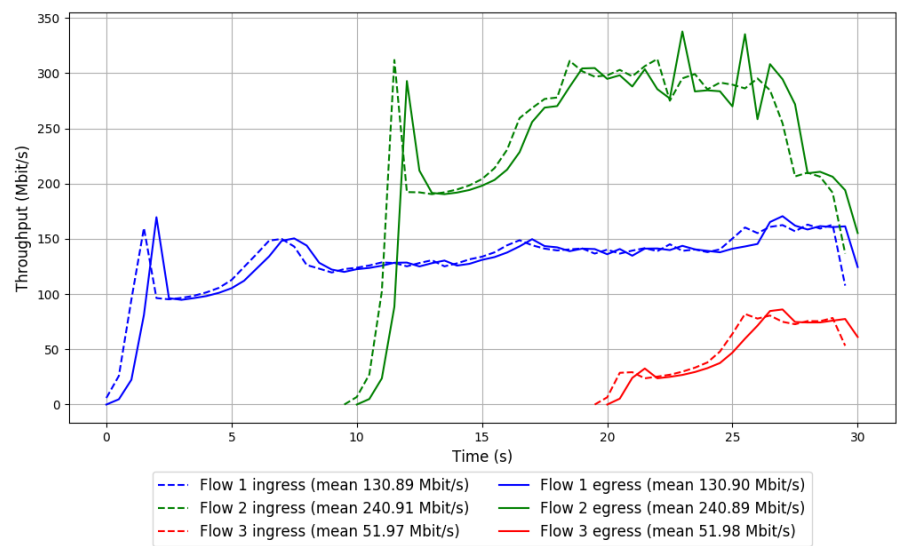


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-01 16:30:40
End at: 2018-07-01 16:31:10
Local clock offset: -0.126 ms
Remote clock offset: -0.995 ms

# Below is generated by plot.py at 2018-07-01 22:10:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 308.56 Mbit/s
95th percentile per-packet one-way delay: 113.176 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 130.90 Mbit/s
95th percentile per-packet one-way delay: 52.281 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 240.89 Mbit/s
95th percentile per-packet one-way delay: 128.967 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 51.98 Mbit/s
95th percentile per-packet one-way delay: 116.861 ms
Loss rate: 0.00%
```


Run 1: Report of PCC-Expr — Data Link

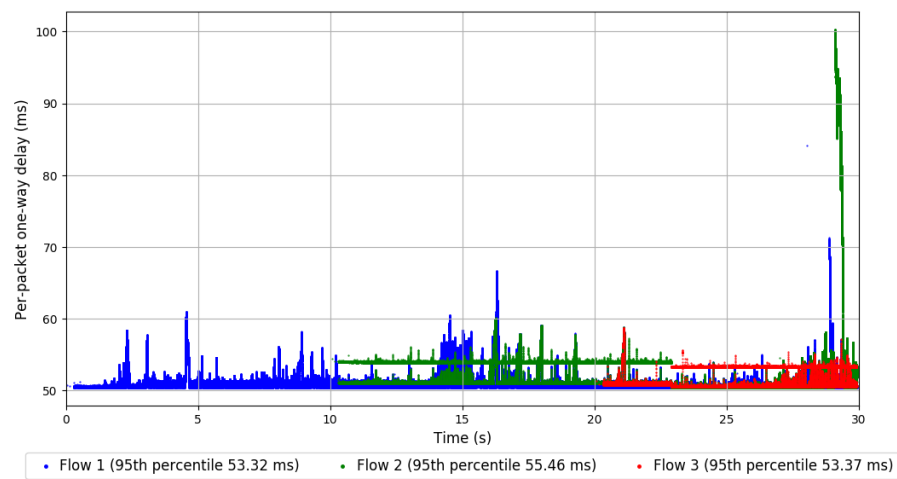
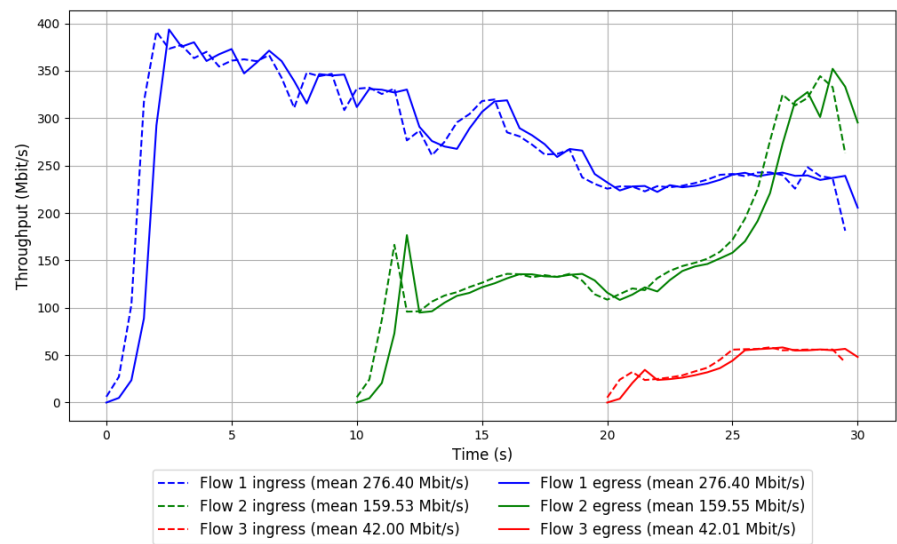


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-01 16:54:32
End at: 2018-07-01 16:55:02
Local clock offset: -0.171 ms
Remote clock offset: 0.136 ms

# Below is generated by plot.py at 2018-07-01 22:13:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 396.32 Mbit/s
95th percentile per-packet one-way delay: 53.985 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 276.40 Mbit/s
95th percentile per-packet one-way delay: 53.321 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 159.55 Mbit/s
95th percentile per-packet one-way delay: 55.461 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.01 Mbit/s
95th percentile per-packet one-way delay: 53.373 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Expr — Data Link

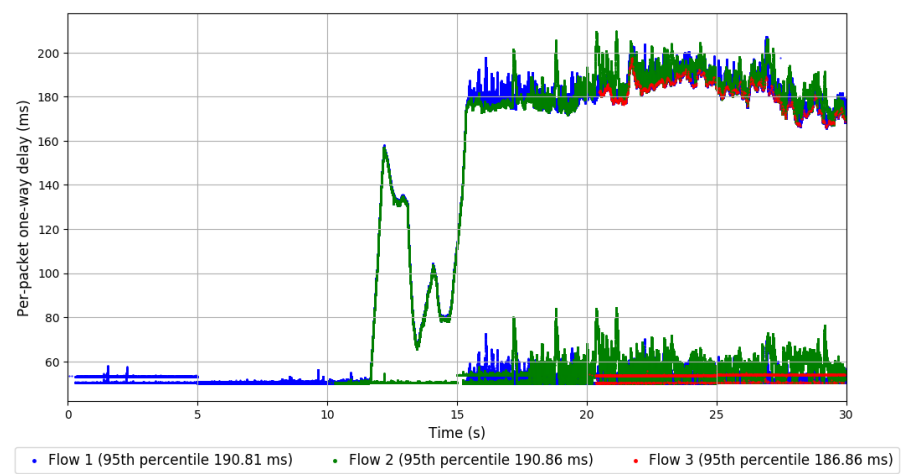
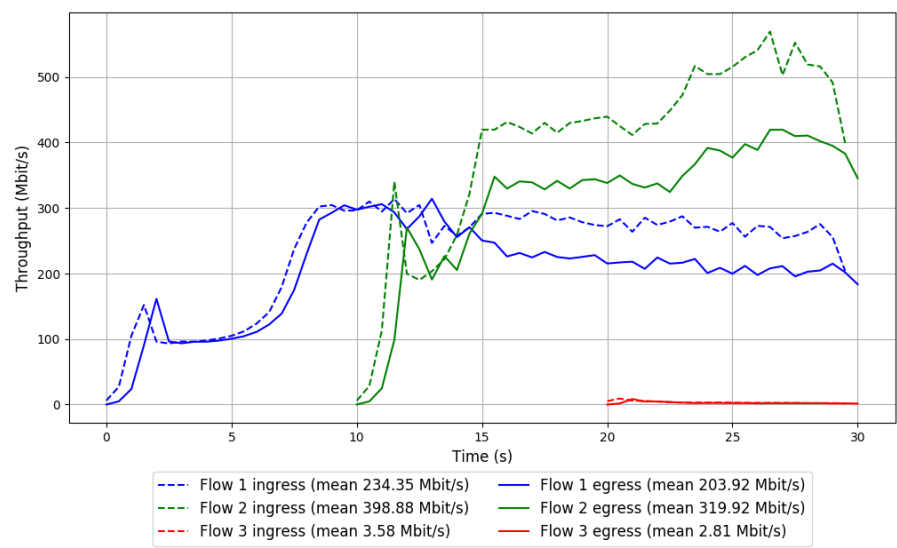


```
Run 3: Statistics of PCC-Expr

Start at: 2018-07-01 17:19:10
End at: 2018-07-01 17:19:40
Local clock offset: -0.03 ms
Remote clock offset: 0.106 ms

# Below is generated by plot.py at 2018-07-01 22:19:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 417.62 Mbit/s
95th percentile per-packet one-way delay: 190.815 ms
Loss rate: 16.61%
-- Flow 1:
Average throughput: 203.92 Mbit/s
95th percentile per-packet one-way delay: 190.805 ms
Loss rate: 12.99%
-- Flow 2:
Average throughput: 319.92 Mbit/s
95th percentile per-packet one-way delay: 190.858 ms
Loss rate: 19.79%
-- Flow 3:
Average throughput: 2.81 Mbit/s
95th percentile per-packet one-way delay: 186.856 ms
Loss rate: 21.57%
```

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-01 17:43:23

End at: 2018-07-01 17:43:53

Local clock offset: 0.121 ms

Remote clock offset: 0.902 ms

Below is generated by plot.py at 2018-07-01 22:19:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 398.68 Mbit/s

95th percentile per-packet one-way delay: 187.652 ms

Loss rate: 3.84%

-- Flow 1:

Average throughput: 299.28 Mbit/s

95th percentile per-packet one-way delay: 179.143 ms

Loss rate: 3.65%

-- Flow 2:

Average throughput: 103.90 Mbit/s

95th percentile per-packet one-way delay: 186.039 ms

Loss rate: 3.53%

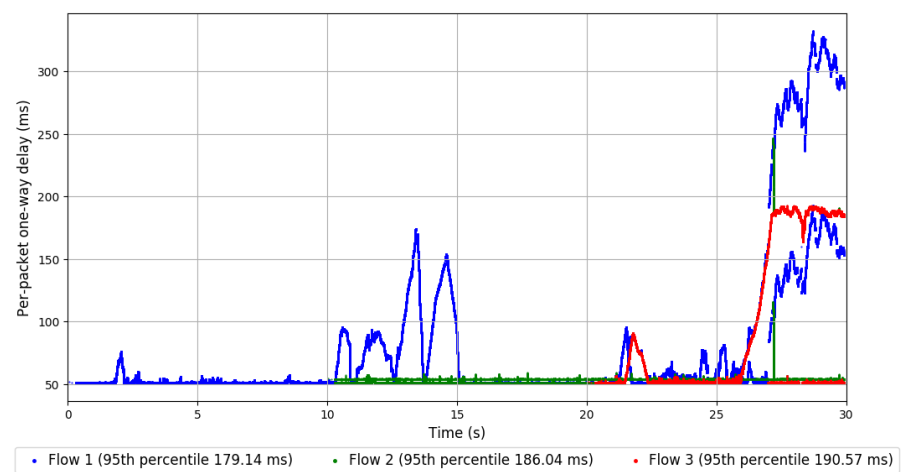
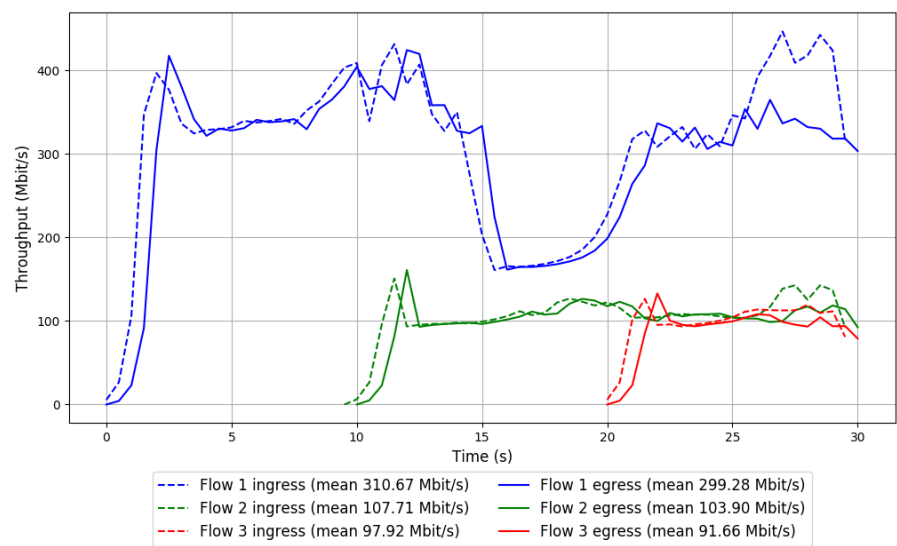
-- Flow 3:

Average throughput: 91.66 Mbit/s

95th percentile per-packet one-way delay: 190.570 ms

Loss rate: 6.32%

Run 4: Report of PCC-Expr — Data Link

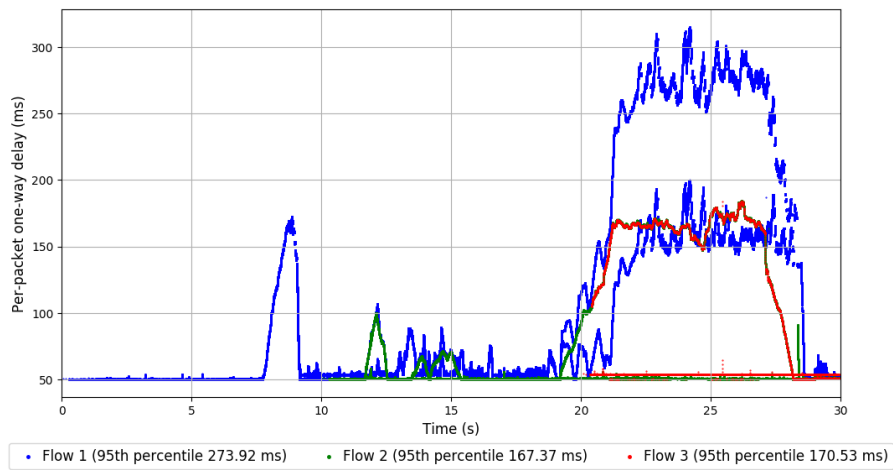
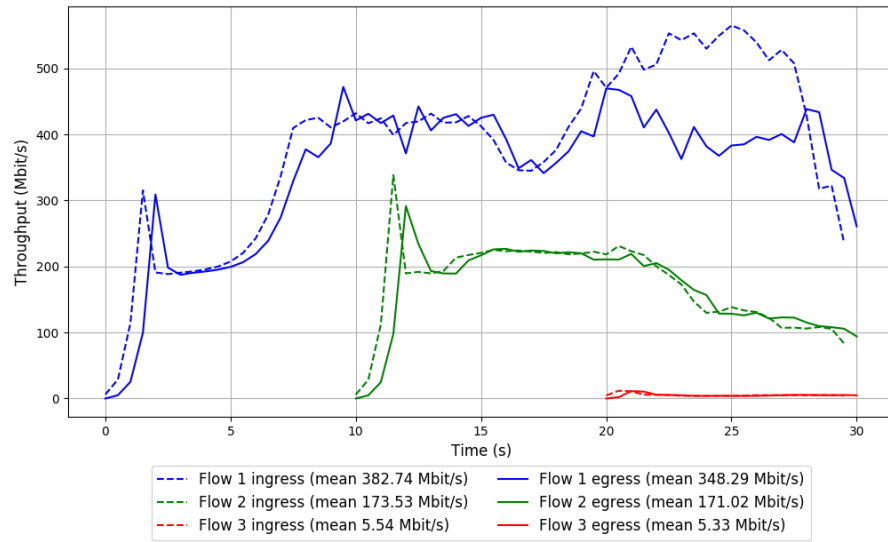


Run 5: Statistics of PCC-Expr

Start at: 2018-07-01 18:07:46
End at: 2018-07-01 18:08:16
Local clock offset: 0.069 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-07-01 22:25:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 463.75 Mbit/s
95th percentile per-packet one-way delay: 268.540 ms
Loss rate: 7.24%
-- Flow 1:
Average throughput: 348.29 Mbit/s
95th percentile per-packet one-way delay: 273.915 ms
Loss rate: 9.00%
-- Flow 2:
Average throughput: 171.02 Mbit/s
95th percentile per-packet one-way delay: 167.373 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 5.33 Mbit/s
95th percentile per-packet one-way delay: 170.533 ms
Loss rate: 3.71%

Run 5: Report of PCC-Expr — Data Link

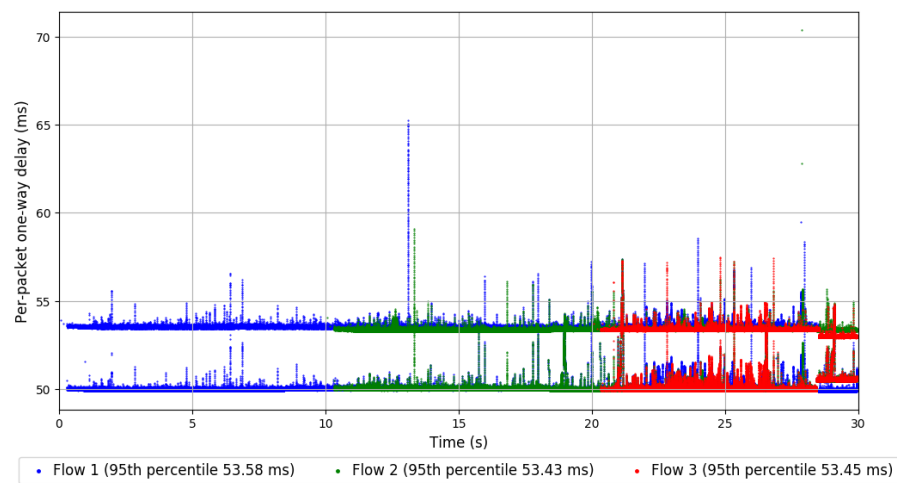
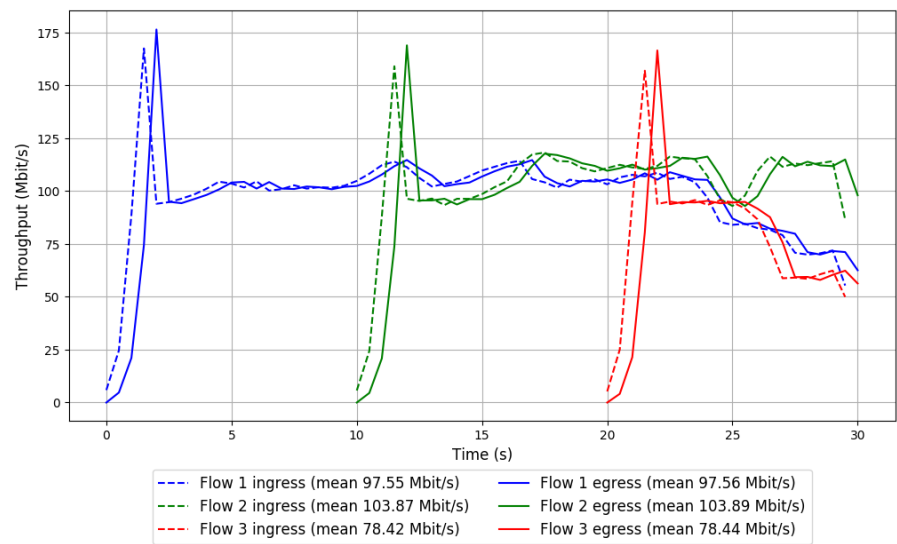


Run 6: Statistics of PCC-Expr

Start at: 2018-07-01 18:31:47
End at: 2018-07-01 18:32:17
Local clock offset: 0.172 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-07-01 22:25:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 192.52 Mbit/s
95th percentile per-packet one-way delay: 53.558 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.56 Mbit/s
95th percentile per-packet one-way delay: 53.581 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 103.89 Mbit/s
95th percentile per-packet one-way delay: 53.429 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 78.44 Mbit/s
95th percentile per-packet one-way delay: 53.452 ms
Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-01 18:55:25

End at: 2018-07-01 18:55:55

Local clock offset: 0.054 ms

Remote clock offset: 1.318 ms

Below is generated by plot.py at 2018-07-01 22:25:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 411.08 Mbit/s

95th percentile per-packet one-way delay: 175.572 ms

Loss rate: 1.04%

-- Flow 1:

Average throughput: 324.05 Mbit/s

95th percentile per-packet one-way delay: 177.989 ms

Loss rate: 1.31%

-- Flow 2:

Average throughput: 106.67 Mbit/s

95th percentile per-packet one-way delay: 54.918 ms

Loss rate: 0.00%

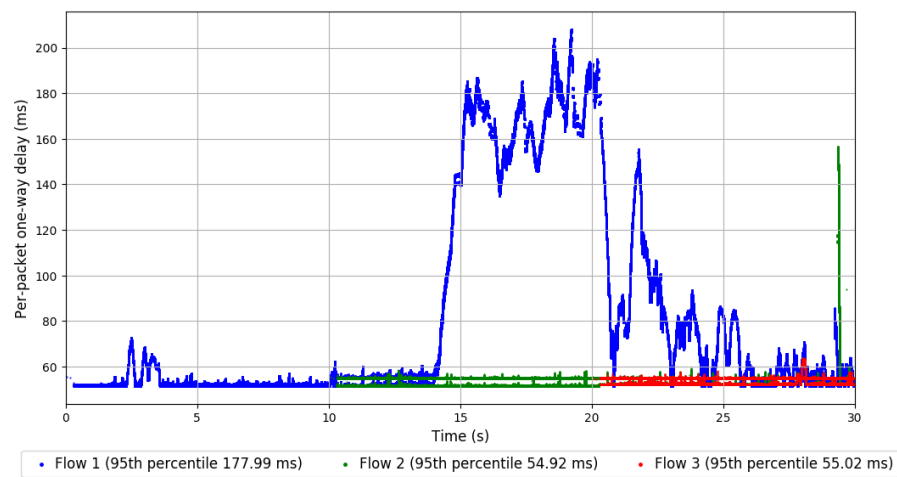
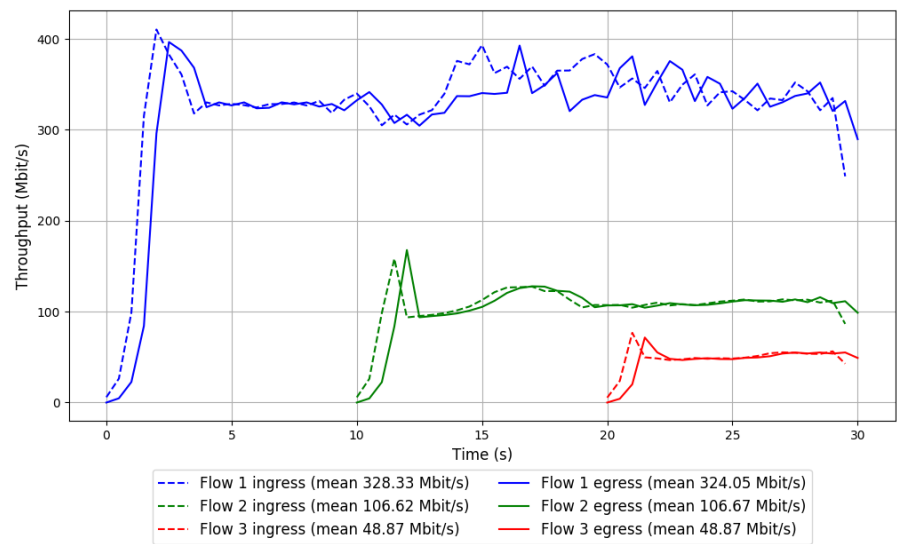
-- Flow 3:

Average throughput: 48.87 Mbit/s

95th percentile per-packet one-way delay: 55.018 ms

Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

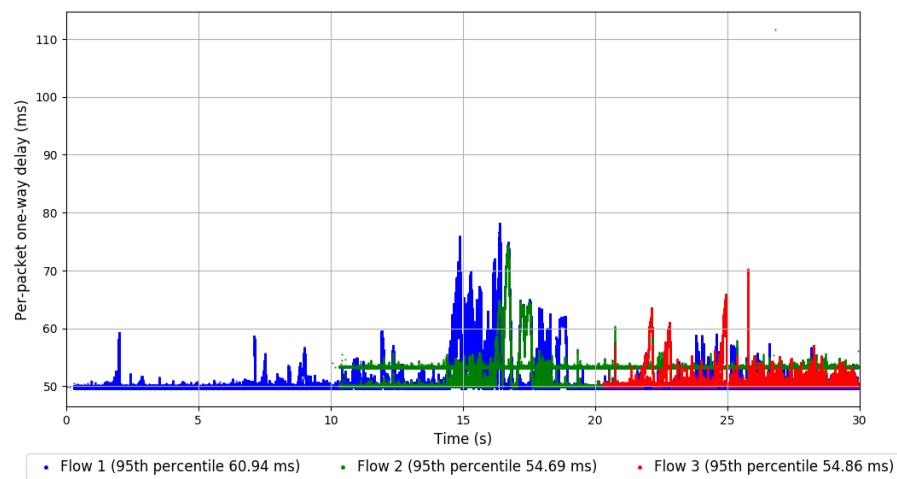
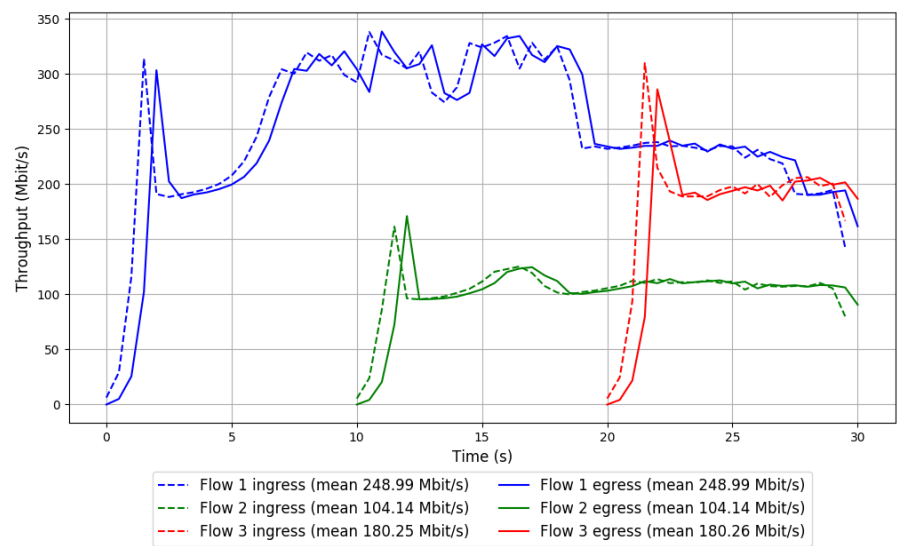


Run 8: Statistics of PCC-Expr

Start at: 2018-07-01 19:19:23
End at: 2018-07-01 19:19:53
Local clock offset: -0.062 ms
Remote clock offset: -0.221 ms

Below is generated by plot.py at 2018-07-01 22:25:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 377.66 Mbit/s
95th percentile per-packet one-way delay: 59.683 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 248.99 Mbit/s
95th percentile per-packet one-way delay: 60.942 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 104.14 Mbit/s
95th percentile per-packet one-way delay: 54.687 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 180.26 Mbit/s
95th percentile per-packet one-way delay: 54.857 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link

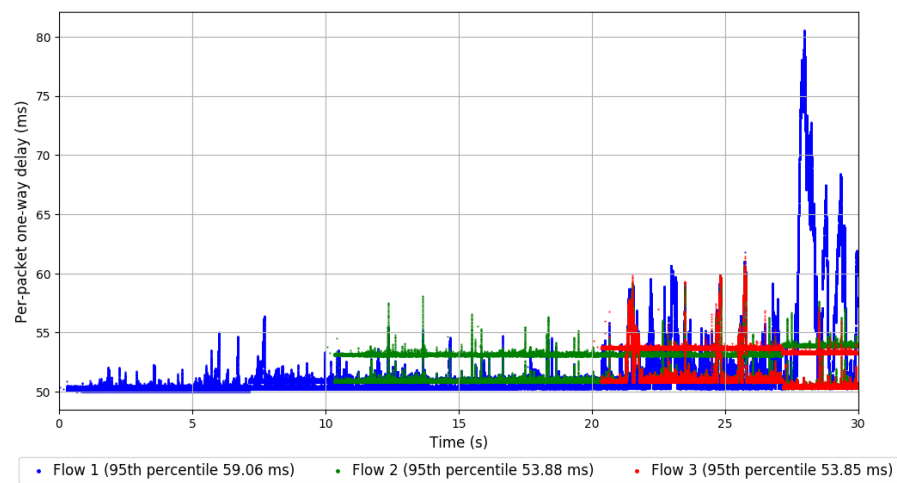
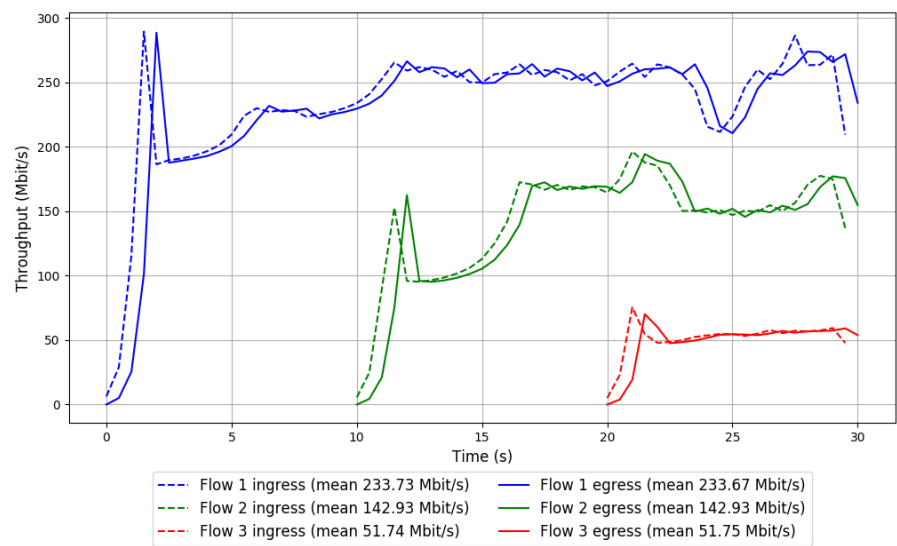


Run 9: Statistics of PCC-Expr

Start at: 2018-07-01 19:43:28
End at: 2018-07-01 19:43:58
Local clock offset: -0.296 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-01 22:25:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 345.76 Mbit/s
95th percentile per-packet one-way delay: 56.614 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 233.67 Mbit/s
95th percentile per-packet one-way delay: 59.061 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 142.93 Mbit/s
95th percentile per-packet one-way delay: 53.875 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.75 Mbit/s
95th percentile per-packet one-way delay: 53.854 ms
Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-01 20:07:28

End at: 2018-07-01 20:07:58

Local clock offset: -0.088 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-01 22:25:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 257.30 Mbit/s

95th percentile per-packet one-way delay: 53.323 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 135.62 Mbit/s

95th percentile per-packet one-way delay: 53.230 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 155.12 Mbit/s

95th percentile per-packet one-way delay: 53.214 ms

Loss rate: 0.00%

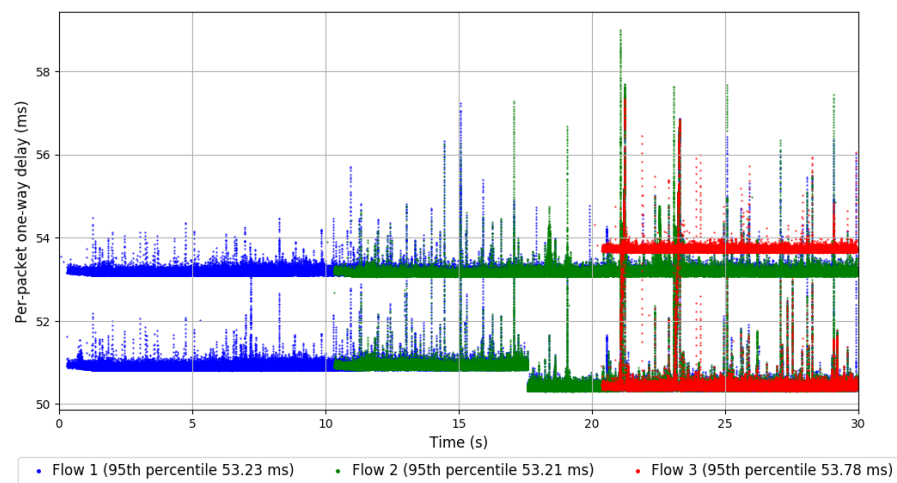
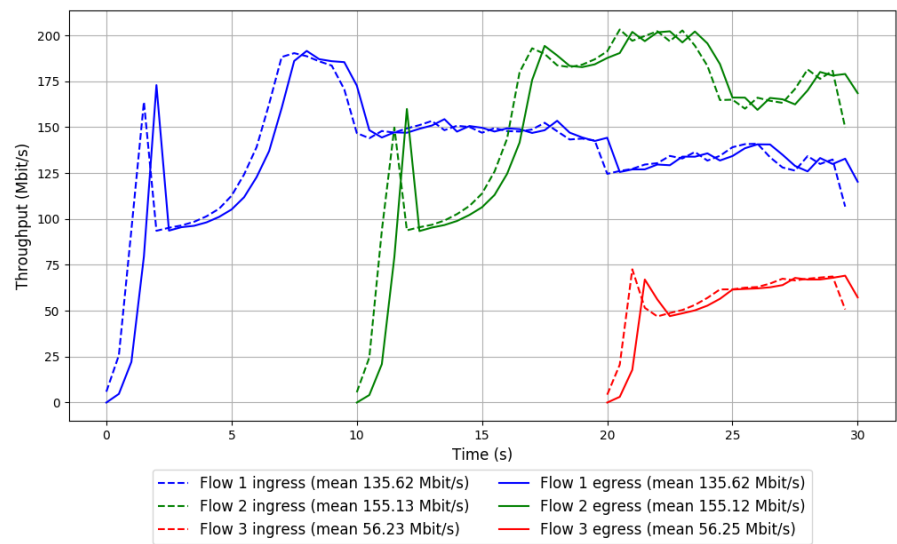
-- Flow 3:

Average throughput: 56.25 Mbit/s

95th percentile per-packet one-way delay: 53.778 ms

Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link

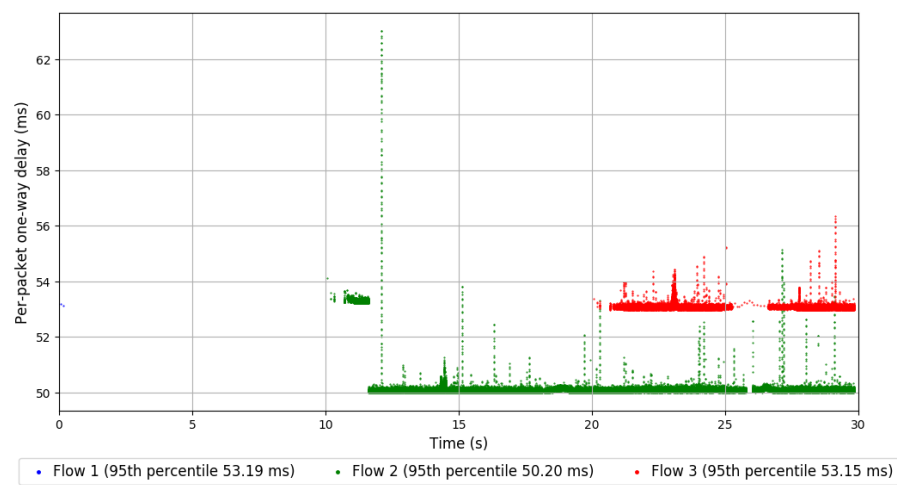
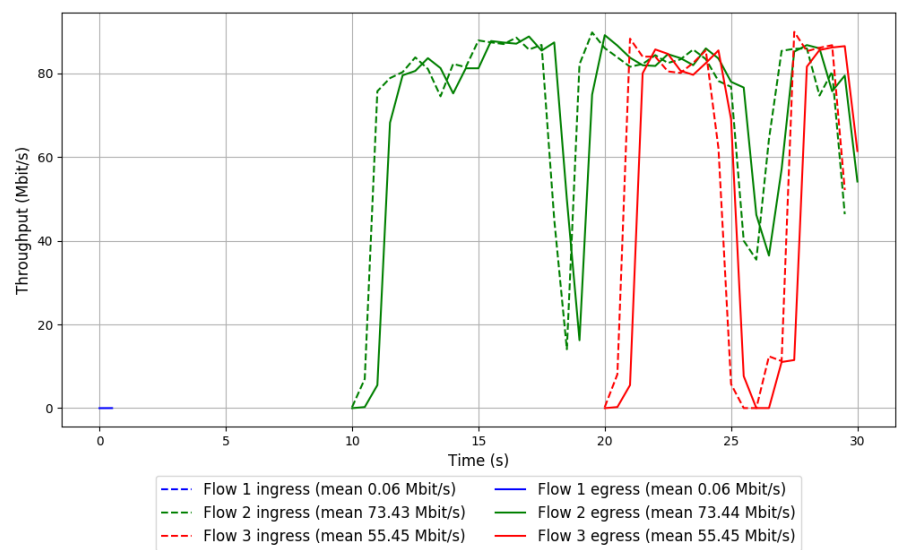


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-01 16:45:23
End at: 2018-07-01 16:45:53
Local clock offset: -0.169 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-01 22:25:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.95 Mbit/s
95th percentile per-packet one-way delay: 53.117 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 53.192 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 73.44 Mbit/s
95th percentile per-packet one-way delay: 50.205 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.45 Mbit/s
95th percentile per-packet one-way delay: 53.146 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-01 17:10:01

End at: 2018-07-01 17:10:31

Local clock offset: 0.069 ms

Remote clock offset: -0.28 ms

Below is generated by plot.py at 2018-07-01 22:25:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 127.78 Mbit/s

95th percentile per-packet one-way delay: 53.294 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 64.23 Mbit/s

95th percentile per-packet one-way delay: 52.901 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 68.70 Mbit/s

95th percentile per-packet one-way delay: 53.336 ms

Loss rate: 0.01%

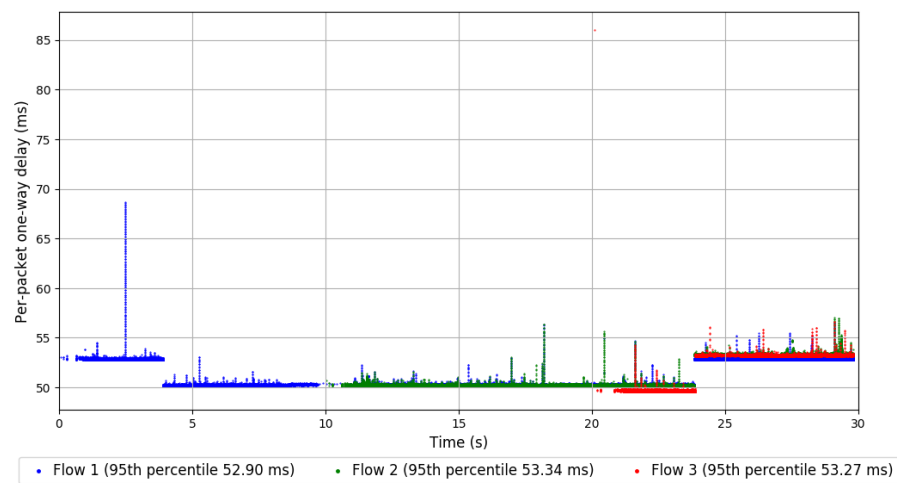
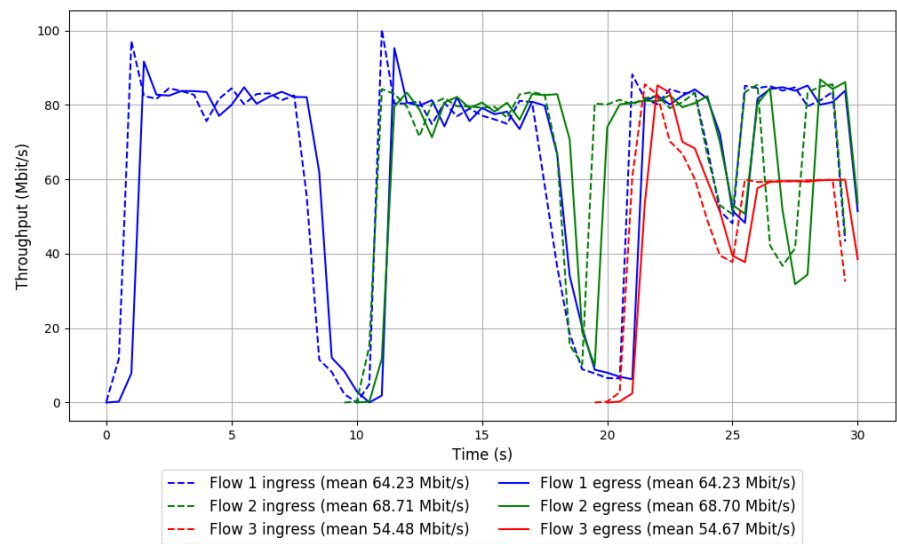
-- Flow 3:

Average throughput: 54.67 Mbit/s

95th percentile per-packet one-way delay: 53.273 ms

Loss rate: 0.03%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-01 17:34:12

End at: 2018-07-01 17:34:42

Local clock offset: -0.041 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-07-01 22:25:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 110.77 Mbit/s

95th percentile per-packet one-way delay: 53.747 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 66.49 Mbit/s

95th percentile per-packet one-way delay: 53.769 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.04 Mbit/s

95th percentile per-packet one-way delay: 53.608 ms

Loss rate: 0.00%

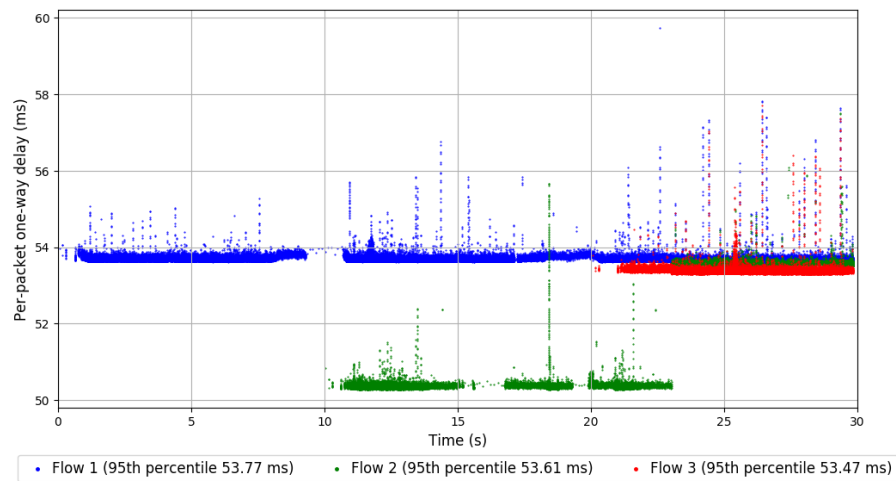
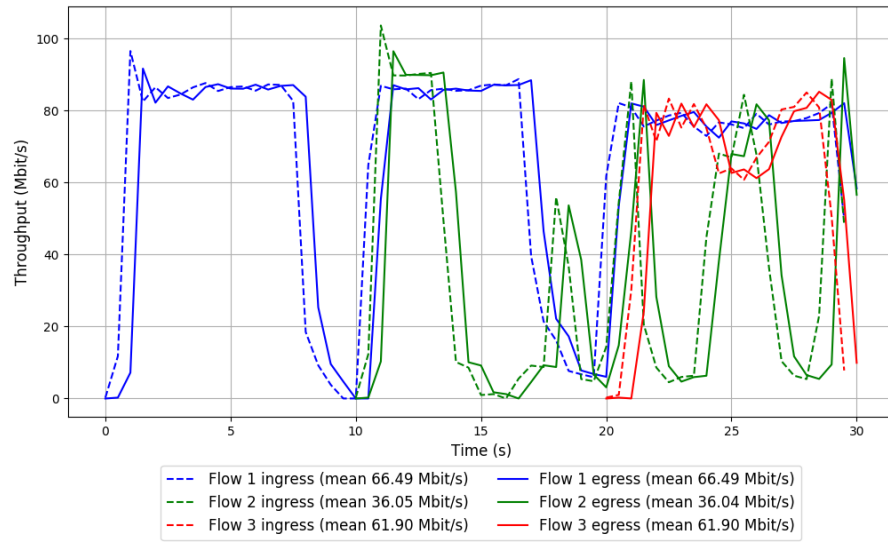
-- Flow 3:

Average throughput: 61.90 Mbit/s

95th percentile per-packet one-way delay: 53.465 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-01 17:58:39

End at: 2018-07-01 17:59:09

Local clock offset: 0.177 ms

Remote clock offset: 1.227 ms

Below is generated by plot.py at 2018-07-01 22:25:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.69 Mbit/s

95th percentile per-packet one-way delay: 55.006 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 54.980 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 70.73 Mbit/s

95th percentile per-packet one-way delay: 55.022 ms

Loss rate: 0.02%

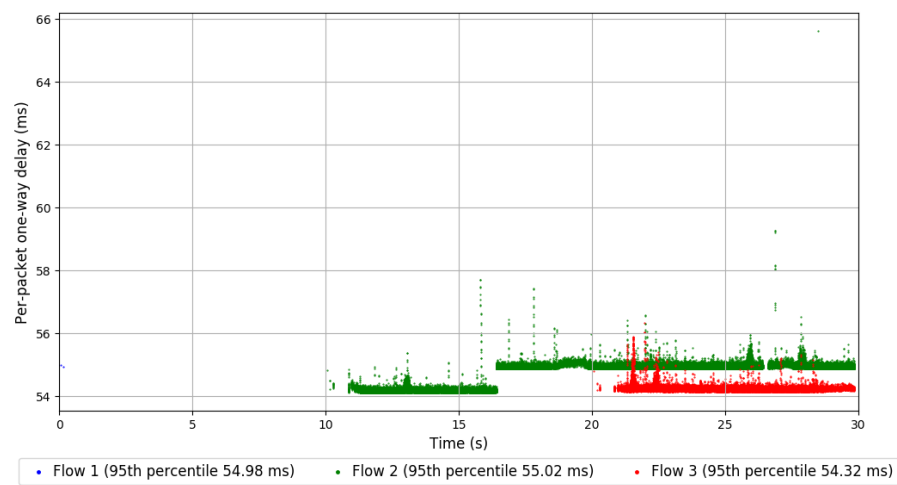
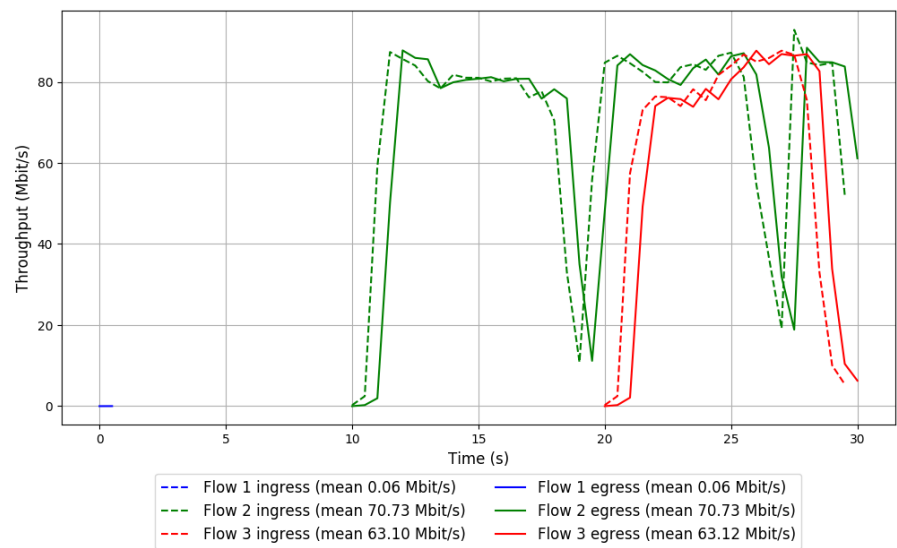
-- Flow 3:

Average throughput: 63.12 Mbit/s

95th percentile per-packet one-way delay: 54.316 ms

Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-01 18:22:35

End at: 2018-07-01 18:23:05

Local clock offset: 0.032 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-01 22:25:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 134.42 Mbit/s

95th percentile per-packet one-way delay: 53.567 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 71.16 Mbit/s

95th percentile per-packet one-way delay: 50.585 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 67.06 Mbit/s

95th percentile per-packet one-way delay: 53.608 ms

Loss rate: 0.01%

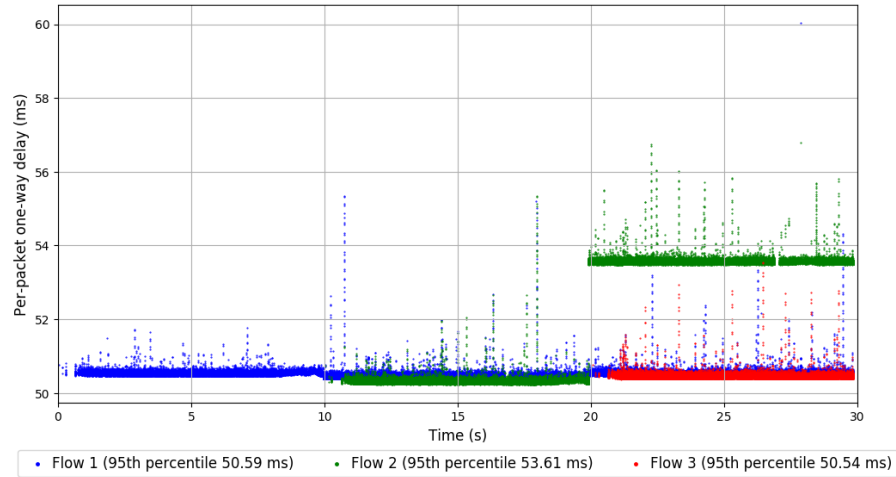
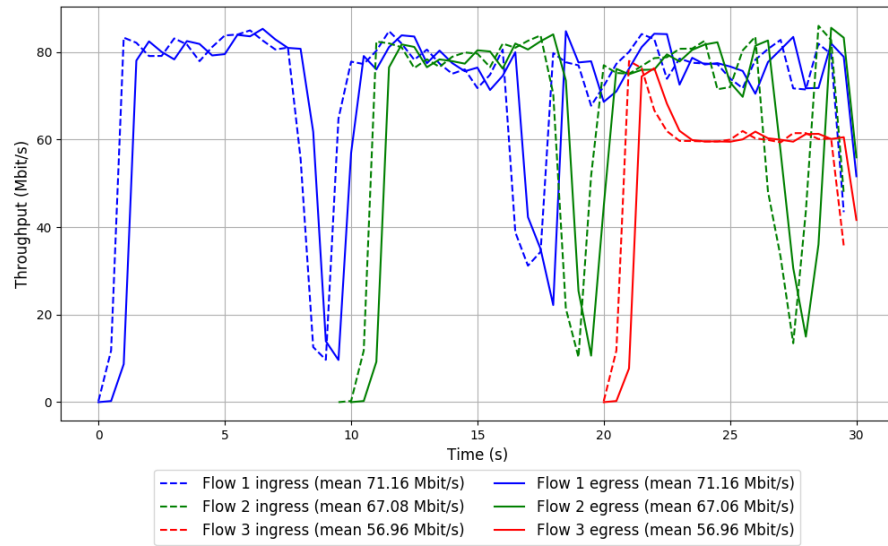
-- Flow 3:

Average throughput: 56.96 Mbit/s

95th percentile per-packet one-way delay: 50.536 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

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

End at: 2018-07-01 18:46:48

Local clock offset: 0.315 ms

Remote clock offset: 0.125 ms

Below is generated by plot.py at 2018-07-01 22:25:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 131.99 Mbit/s

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

Loss rate: 0.01%

-- Flow 1:

Average throughput: 61.70 Mbit/s

95th percentile per-packet one-way delay: 52.916 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 72.48 Mbit/s

95th percentile per-packet one-way delay: 53.705 ms

Loss rate: 0.01%

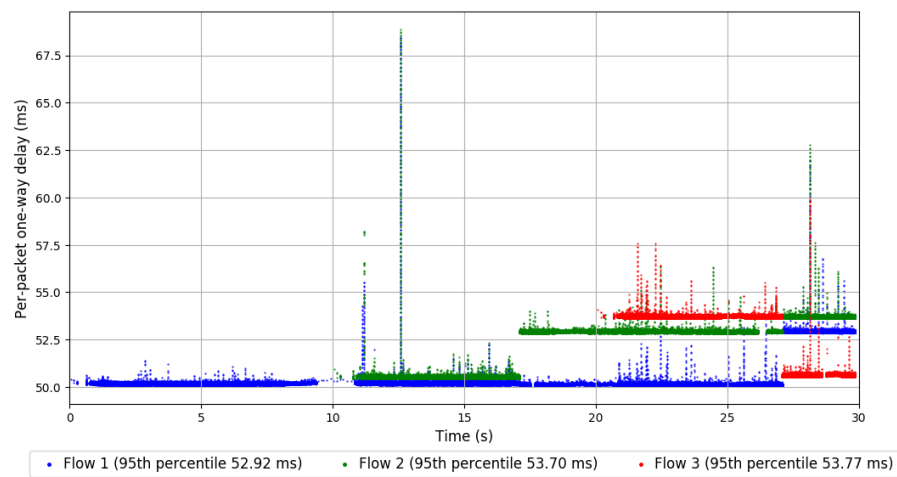
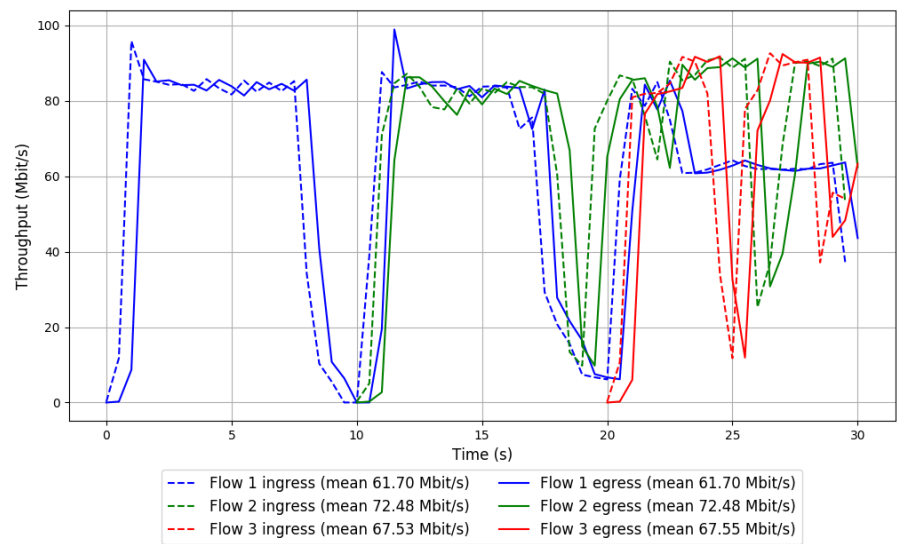
-- Flow 3:

Average throughput: 67.55 Mbit/s

95th percentile per-packet one-way delay: 53.772 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

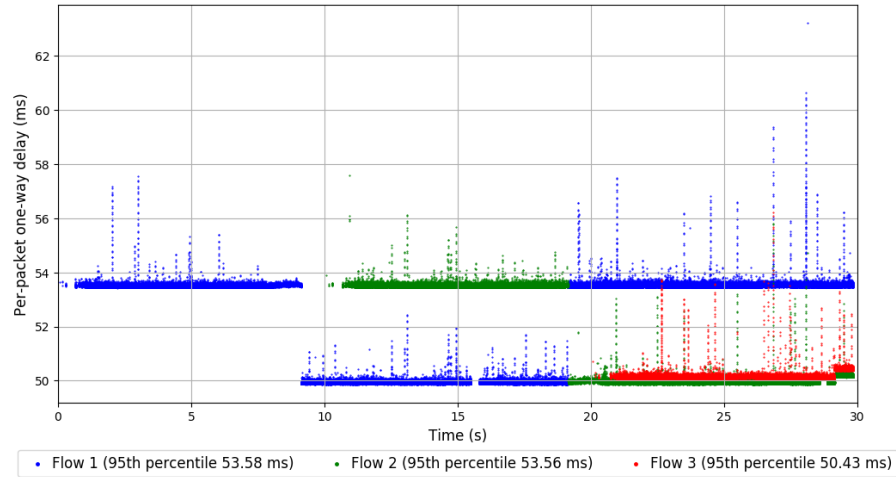
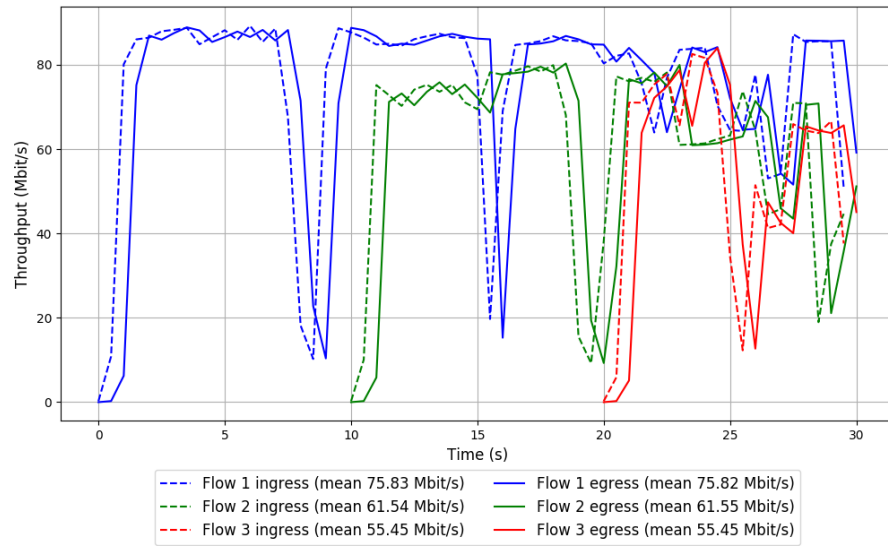


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-01 19:10:16
End at: 2018-07-01 19:10:46
Local clock offset: -0.151 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-07-01 22:25:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 134.90 Mbit/s
95th percentile per-packet one-way delay: 53.568 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 75.82 Mbit/s
95th percentile per-packet one-way delay: 53.579 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 61.55 Mbit/s
95th percentile per-packet one-way delay: 53.561 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.45 Mbit/s
95th percentile per-packet one-way delay: 50.428 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-01 19:34:21

End at: 2018-07-01 19:34:51

Local clock offset: -0.098 ms

Remote clock offset: 1.121 ms

Below is generated by plot.py at 2018-07-01 22:25:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 115.55 Mbit/s

95th percentile per-packet one-way delay: 54.836 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 57.12 Mbit/s

95th percentile per-packet one-way delay: 54.738 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 55.76 Mbit/s

95th percentile per-packet one-way delay: 54.880 ms

Loss rate: 0.00%

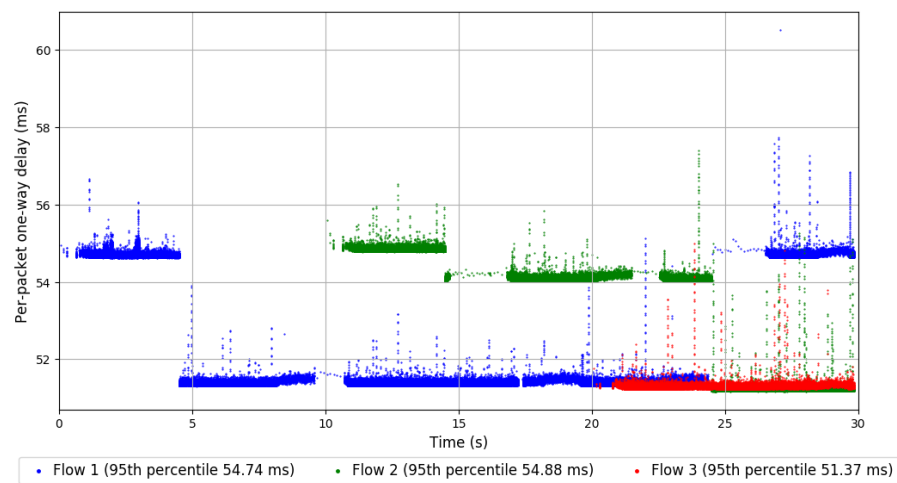
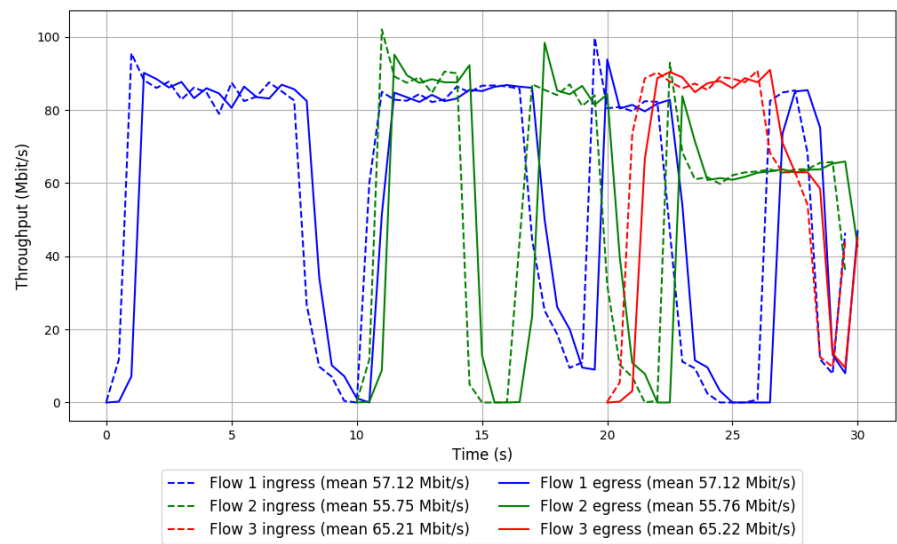
-- Flow 3:

Average throughput: 65.22 Mbit/s

95th percentile per-packet one-way delay: 51.365 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

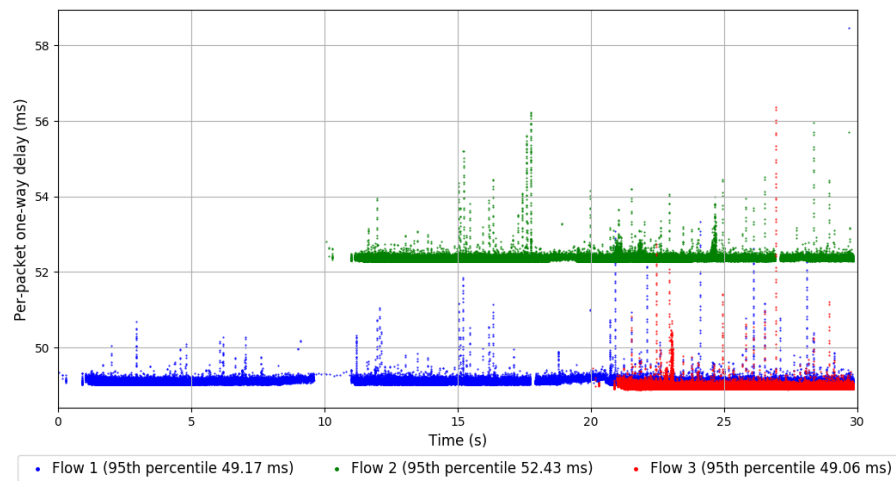
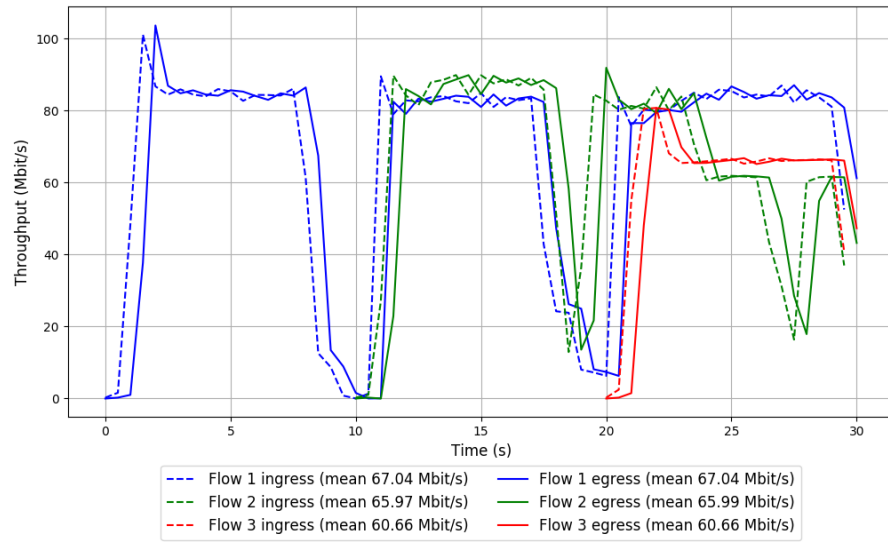


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-01 19:58:18
End at: 2018-07-01 19:58:48
Local clock offset: -0.262 ms
Remote clock offset: -1.306 ms

```
# Below is generated by plot.py at 2018-07-01 22:26:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 130.78 Mbit/s
95th percentile per-packet one-way delay: 52.385 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.04 Mbit/s
95th percentile per-packet one-way delay: 49.167 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.99 Mbit/s
95th percentile per-packet one-way delay: 52.429 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 60.66 Mbit/s
95th percentile per-packet one-way delay: 49.058 ms
Loss rate: 0.00%
```

Run 9: Report of QUIC Cubic — Data Link

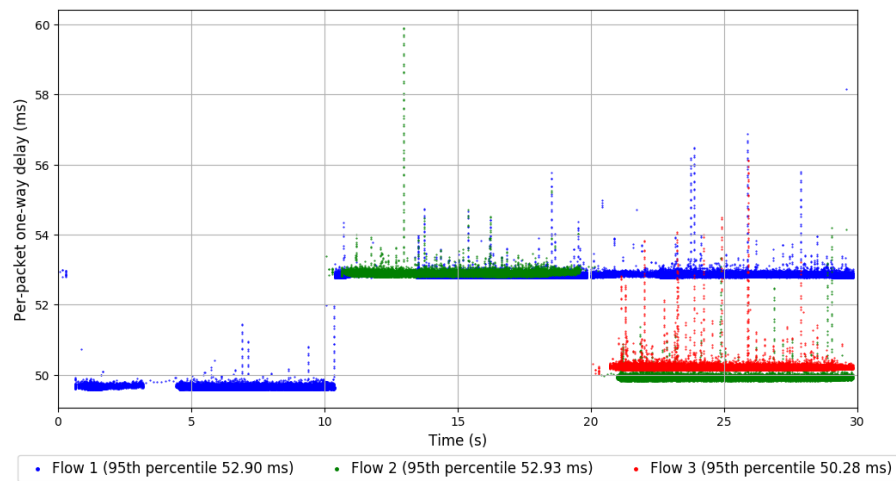
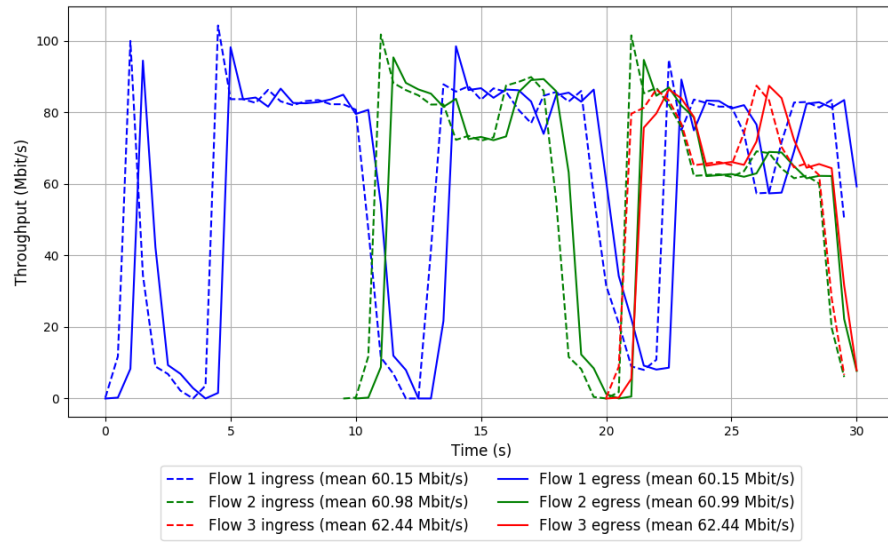


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-01 20:22:25
End at: 2018-07-01 20:22:55
Local clock offset: 0.359 ms
Remote clock offset: -0.236 ms

Below is generated by plot.py at 2018-07-01 22:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 121.17 Mbit/s
95th percentile per-packet one-way delay: 52.908 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.15 Mbit/s
95th percentile per-packet one-way delay: 52.903 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.99 Mbit/s
95th percentile per-packet one-way delay: 52.928 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.44 Mbit/s
95th percentile per-packet one-way delay: 50.278 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

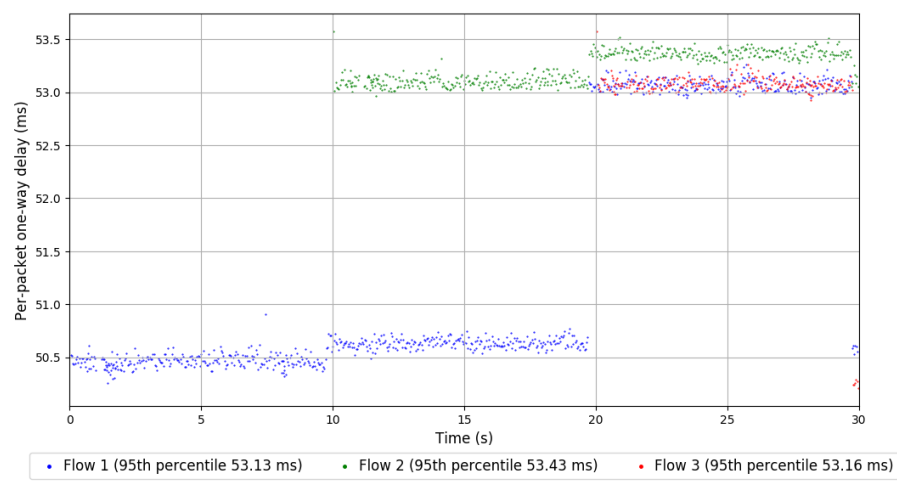
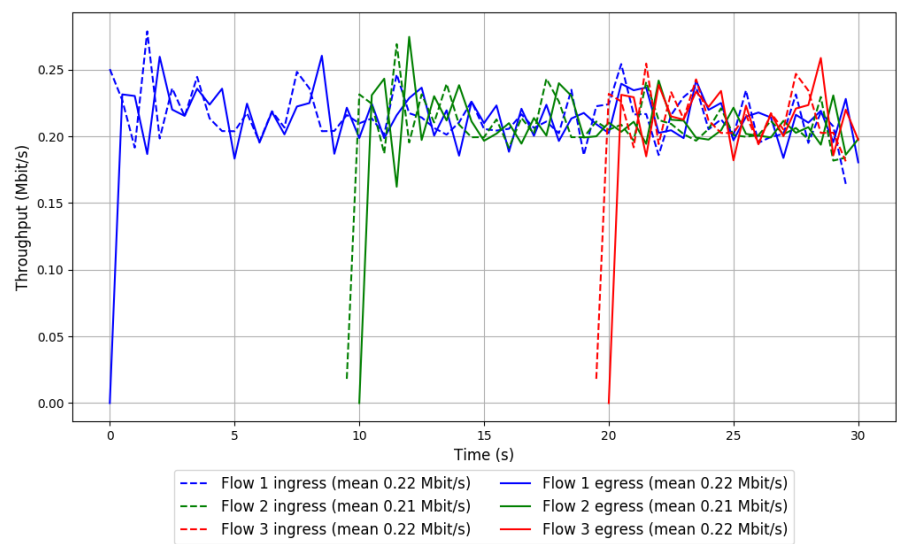


```
Run 1: Statistics of SReAM

Start at: 2018-07-01 16:46:35
End at: 2018-07-01 16:47:05
Local clock offset: 0.049 ms
Remote clock offset: -0.074 ms

# Below is generated by plot.py at 2018-07-01 22:26:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.394 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.130 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.430 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.155 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link

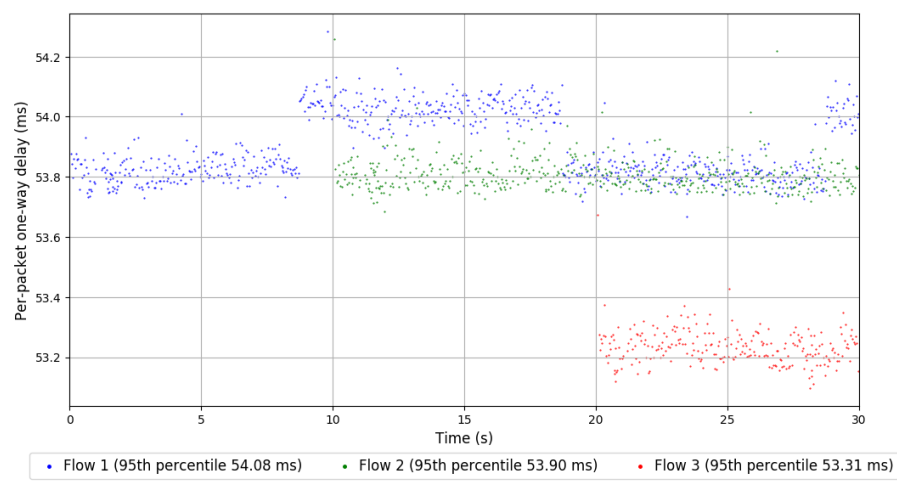
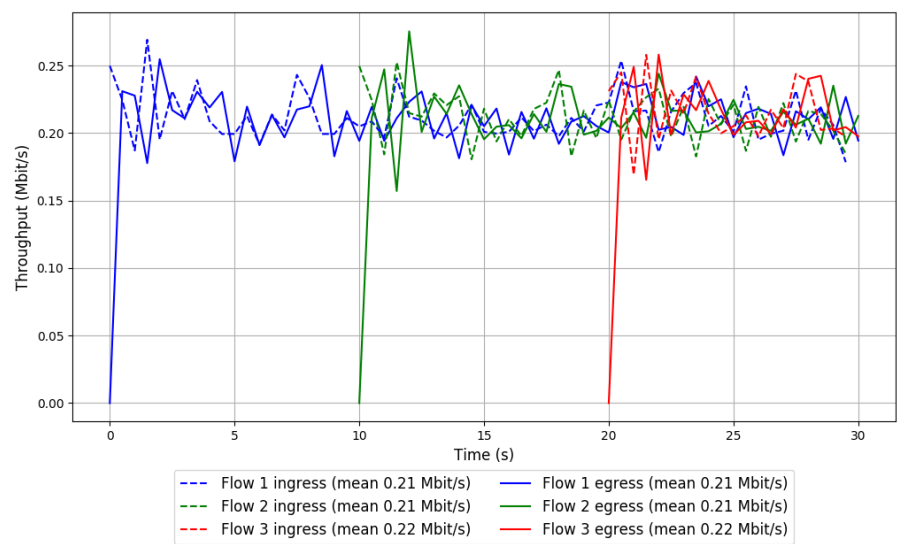


```
Run 2: Statistics of SReAM

Start at: 2018-07-01 17:11:16
End at: 2018-07-01 17:11:46
Local clock offset: 0.121 ms
Remote clock offset: 0.17 ms

# Below is generated by plot.py at 2018-07-01 22:26:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.054 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.078 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.895 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.312 ms
Loss rate: 0.36%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-07-01 17:35:26

End at: 2018-07-01 17:35:56

Local clock offset: 0.137 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2018-07-01 22:26:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 53.789 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.813 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.562 ms

Loss rate: 0.00%

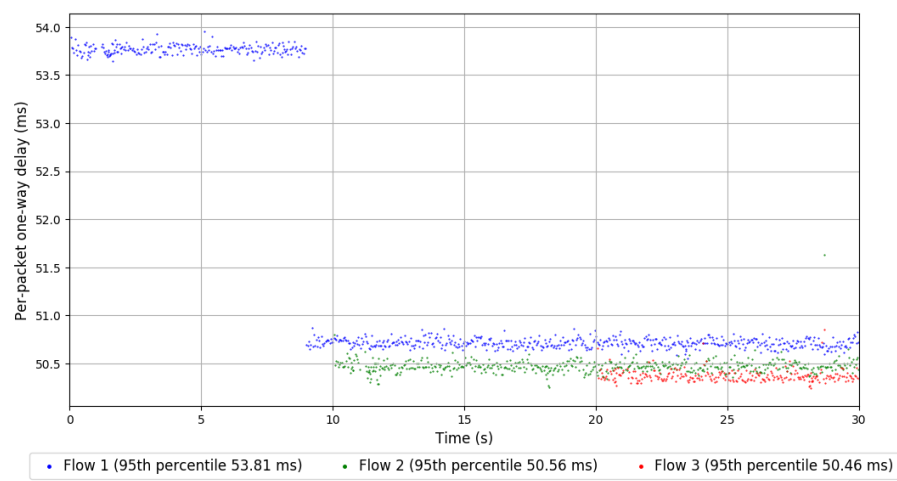
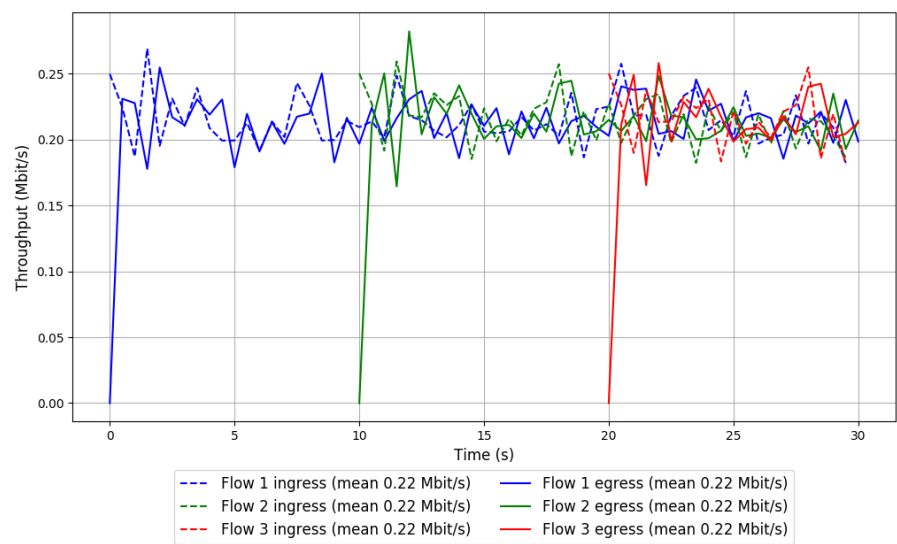
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.459 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

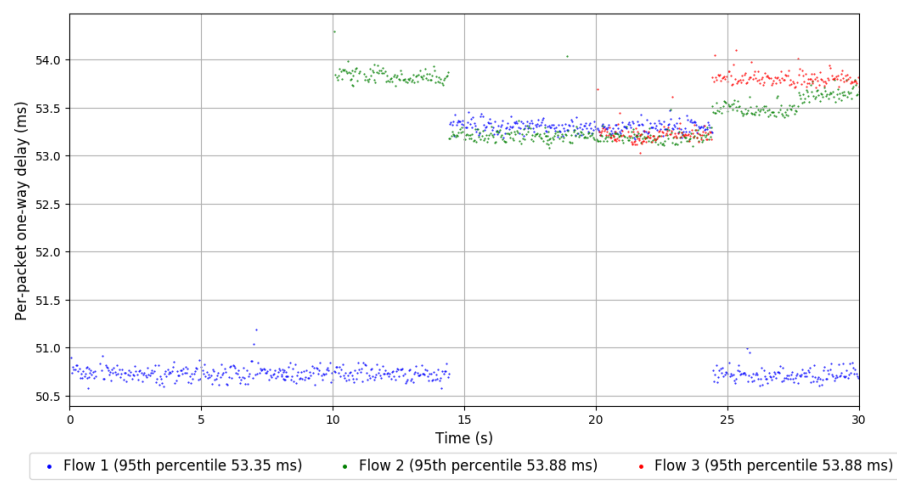
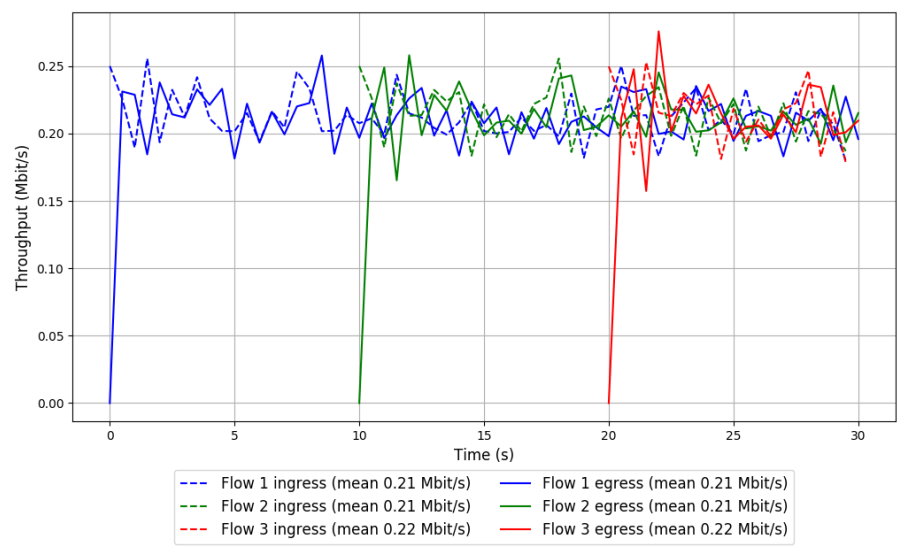


Run 4: Statistics of SReAM

Start at: 2018-07-01 17:59:51
End at: 2018-07-01 18:00:21
Local clock offset: 0.043 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-01 22:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.839 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.354 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.878 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.880 ms
Loss rate: 0.00%

Run 4: Report of SCSReAM — Data Link

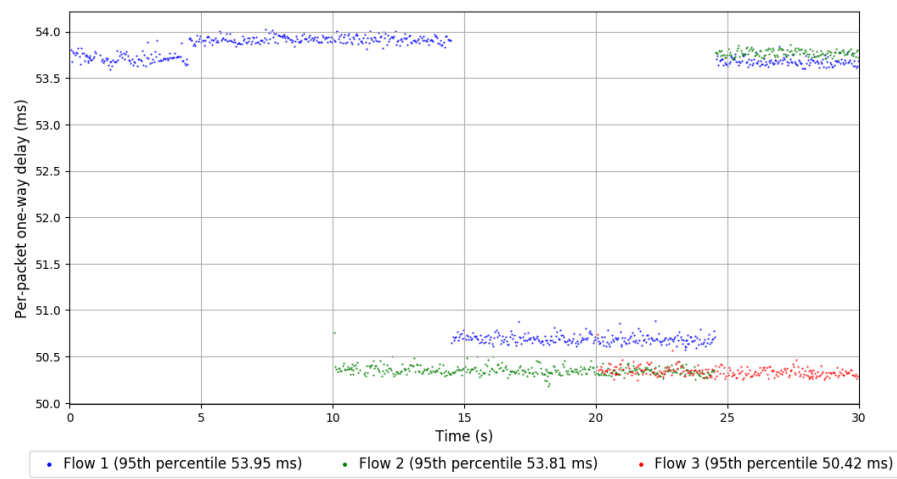
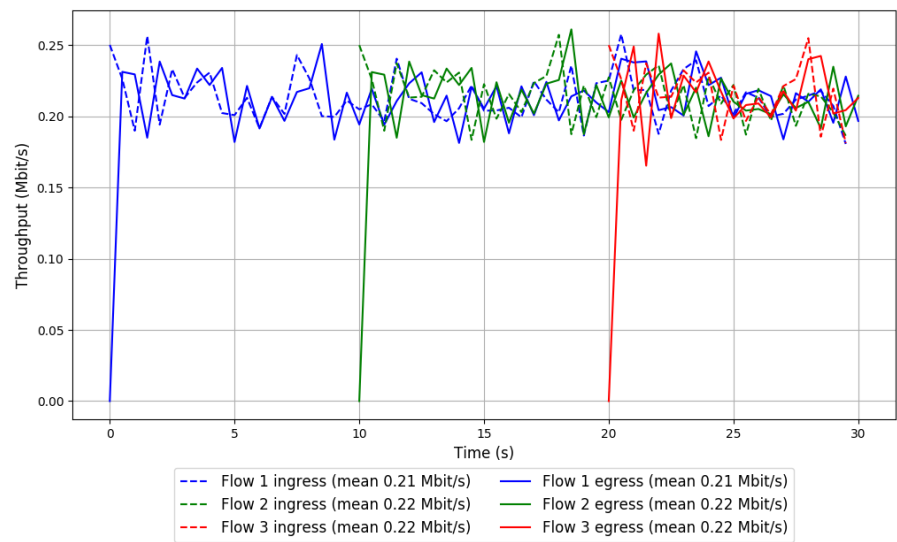


Run 5: Statistics of SReAM

Start at: 2018-07-01 18:23:51
End at: 2018-07-01 18:24:21
Local clock offset: 0.034 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-07-01 22:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.935 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.955 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.806 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.419 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

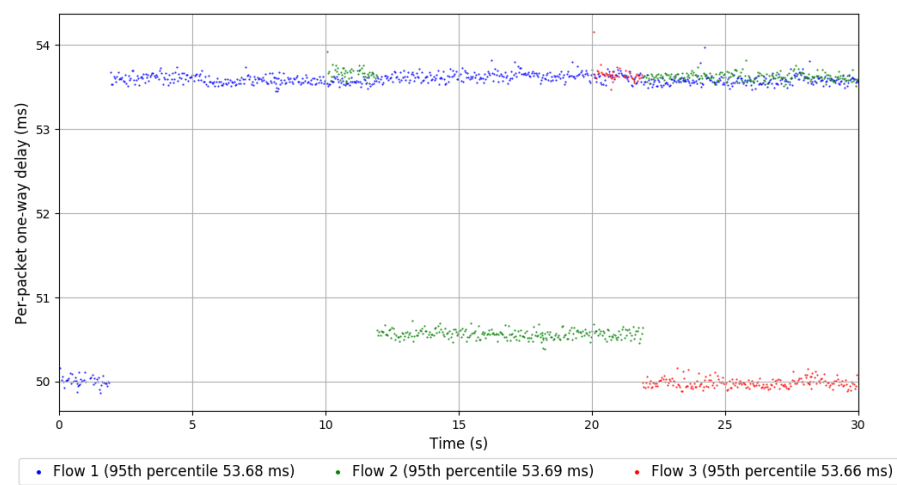
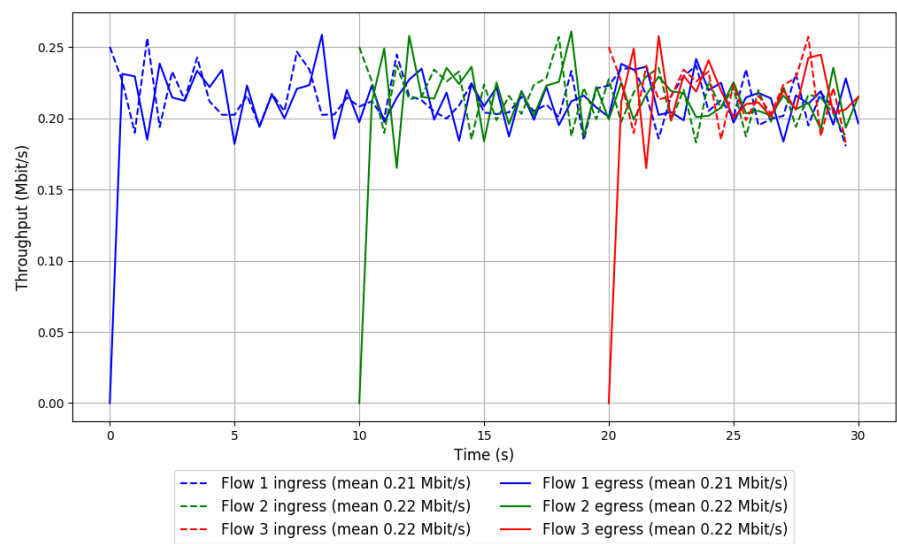


Run 6: Statistics of SReAM

Start at: 2018-07-01 18:47:33
End at: 2018-07-01 18:48:03
Local clock offset: 0.278 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-01 22:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.683 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.683 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.694 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.655 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

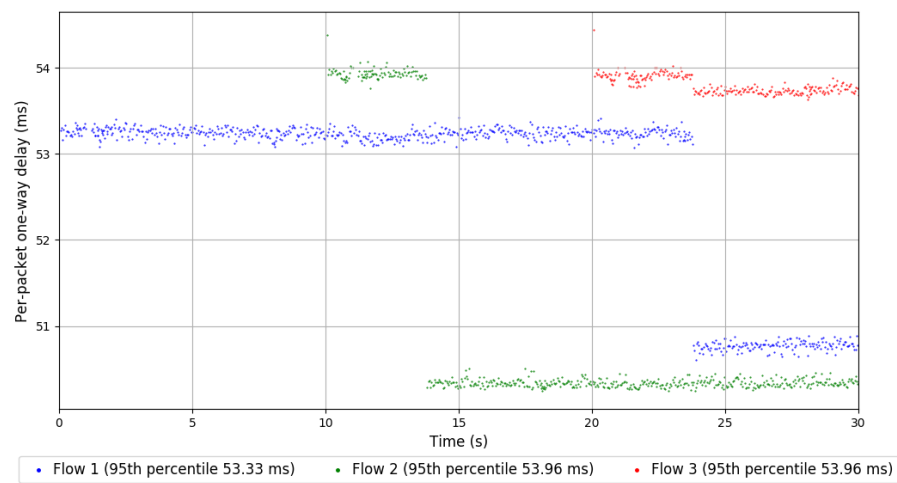
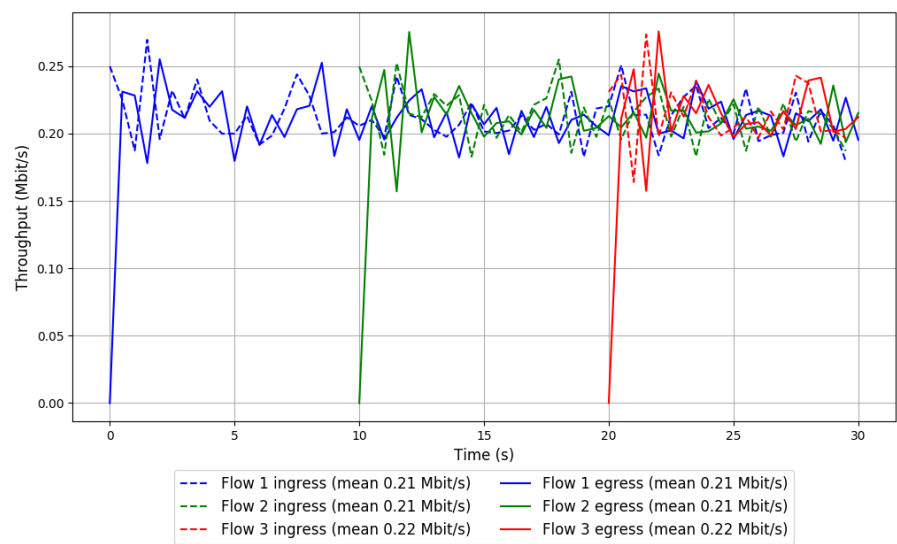


Run 7: Statistics of SReAM

Start at: 2018-07-01 19:11:31
End at: 2018-07-01 19:12:01
Local clock offset: 0.145 ms
Remote clock offset: 0.192 ms

Below is generated by plot.py at 2018-07-01 22:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.929 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.326 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.959 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.961 ms
Loss rate: 0.00%

Run 7: Report of SCReAM — Data Link

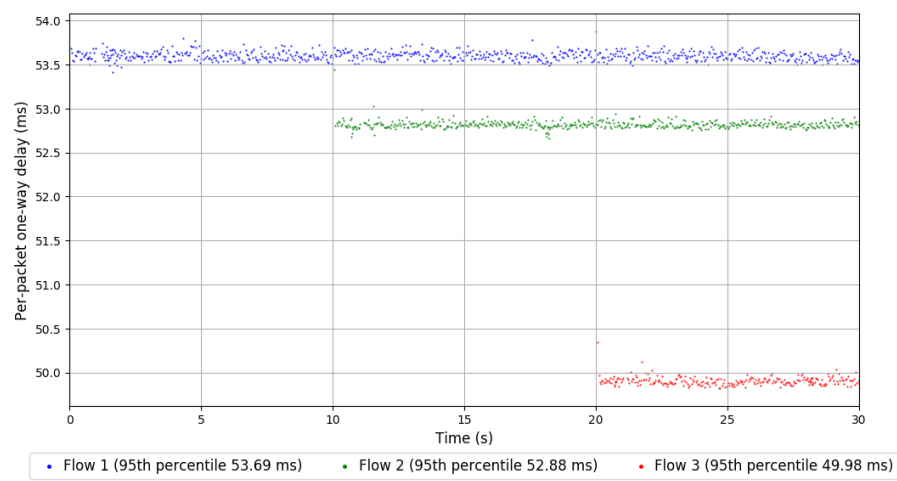
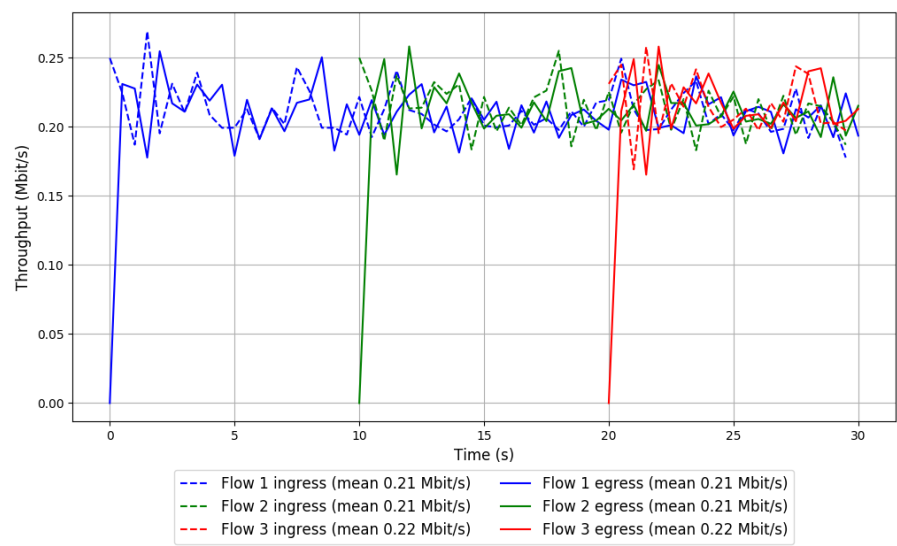


Run 8: Statistics of SReAM

Start at: 2018-07-01 19:35:35
End at: 2018-07-01 19:36:05
Local clock offset: -0.004 ms
Remote clock offset: -0.243 ms

Below is generated by plot.py at 2018-07-01 22:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.664 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.688 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 52.884 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.975 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

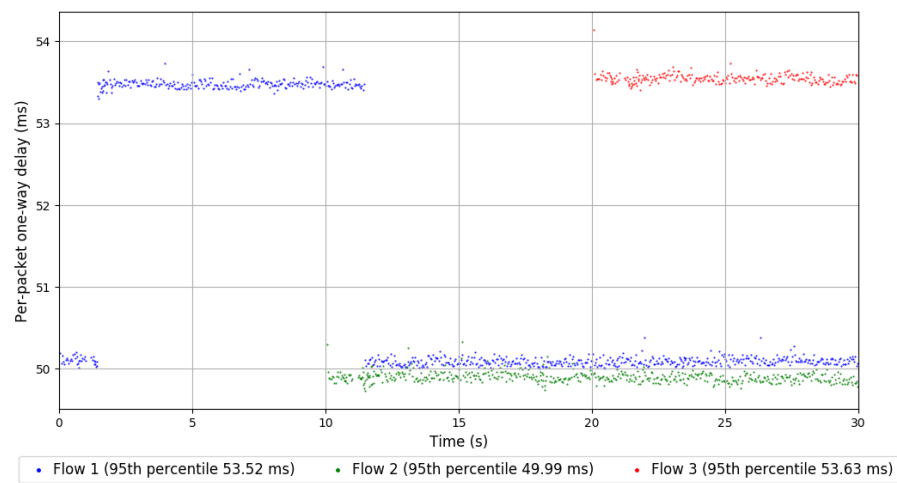
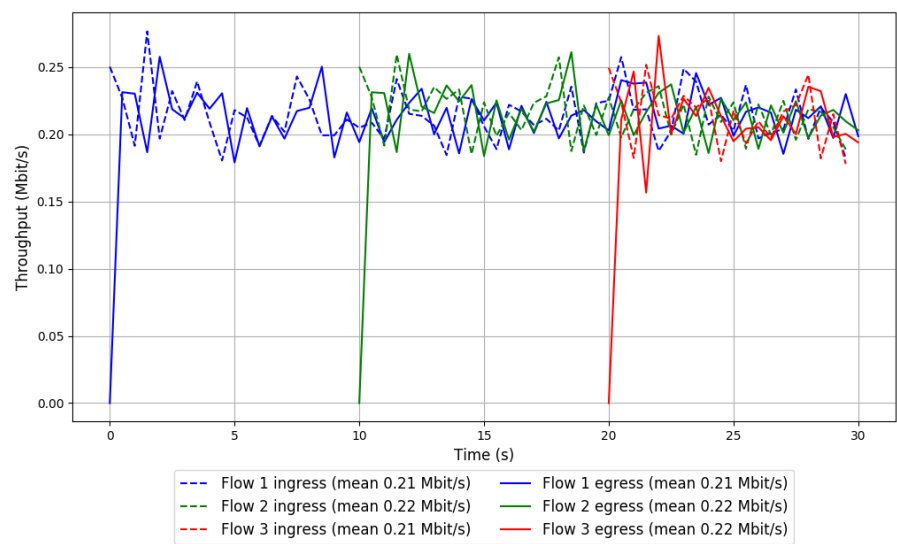


Run 9: Statistics of SReAM

Start at: 2018-07-01 19:59:34
End at: 2018-07-01 20:00:04
Local clock offset: -0.145 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-07-01 22:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.572 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.525 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.992 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.628 ms
Loss rate: 0.35%

Run 9: Report of SCReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-01 20:23:39

End at: 2018-07-01 20:24:09

Local clock offset: 0.17 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at 2018-07-01 22:26:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 53.990 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.018 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.560 ms

Loss rate: 0.00%

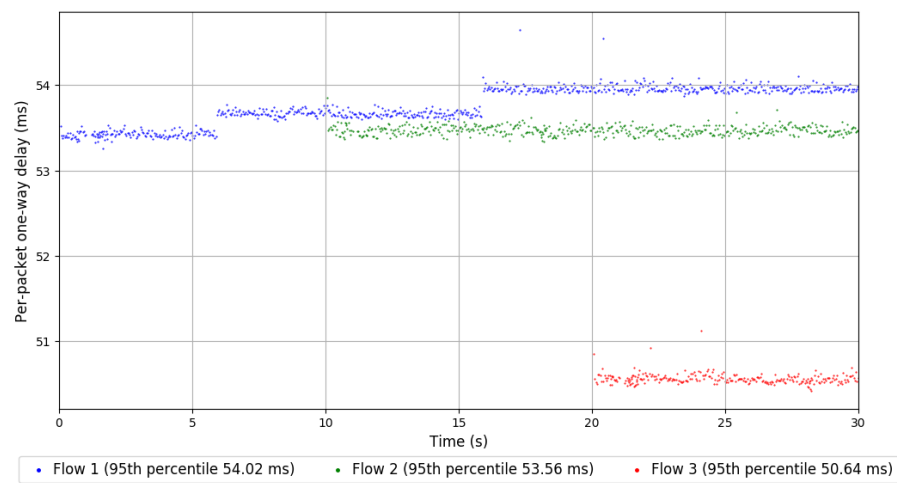
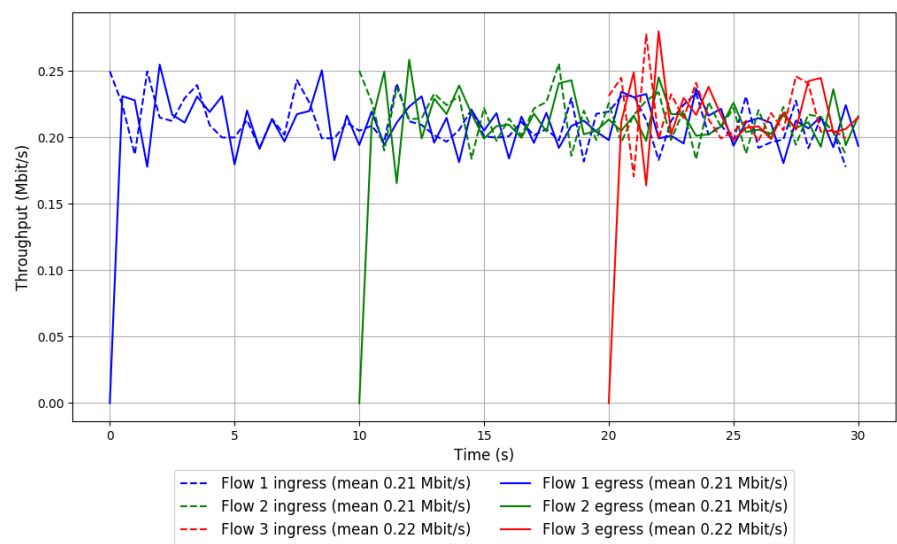
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.641 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

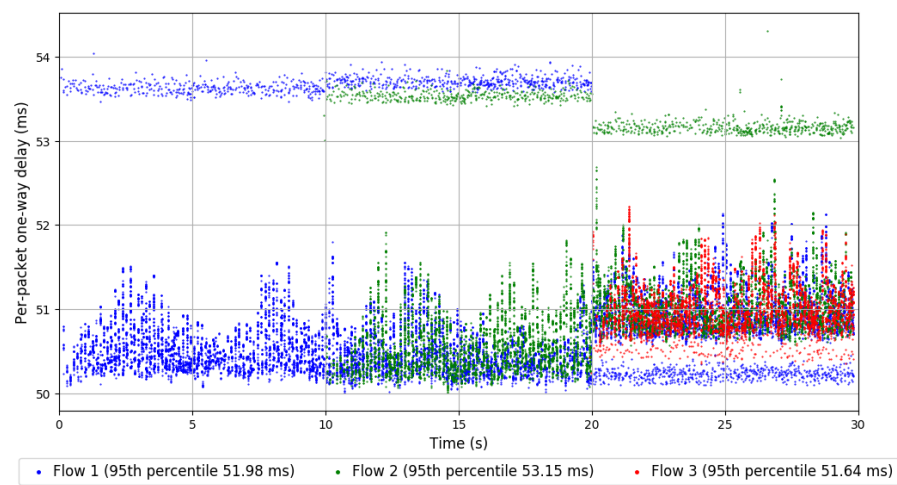
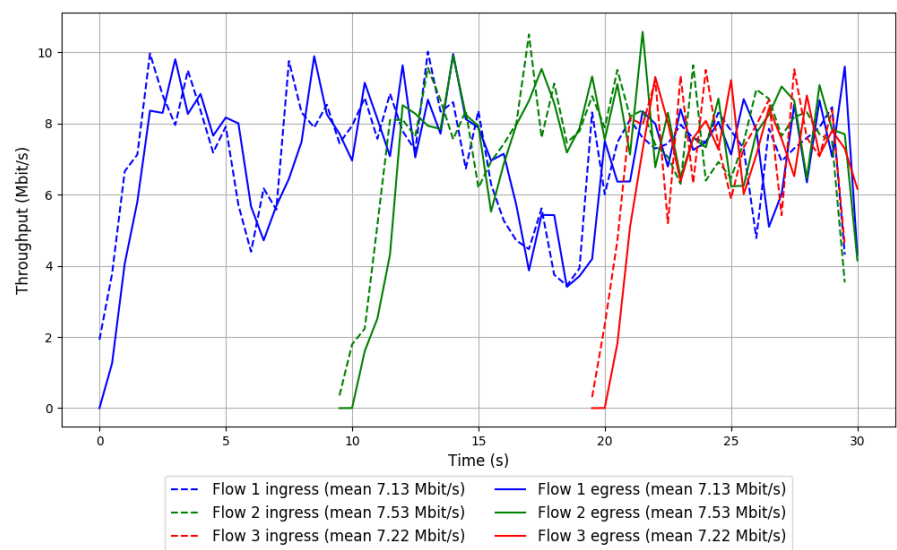


Run 1: Statistics of Sprout

Start at: 2018-07-01 16:42:55
End at: 2018-07-01 16:43:25
Local clock offset: -0.165 ms
Remote clock offset: -0.303 ms

Below is generated by plot.py at 2018-07-01 22:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.56 Mbit/s
95th percentile per-packet one-way delay: 52.077 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.13 Mbit/s
95th percentile per-packet one-way delay: 51.985 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.53 Mbit/s
95th percentile per-packet one-way delay: 53.151 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.22 Mbit/s
95th percentile per-packet one-way delay: 51.637 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

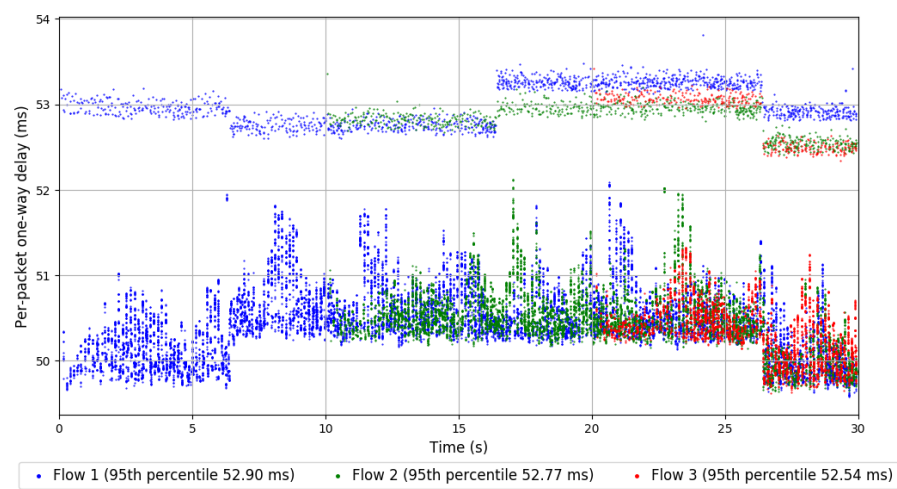
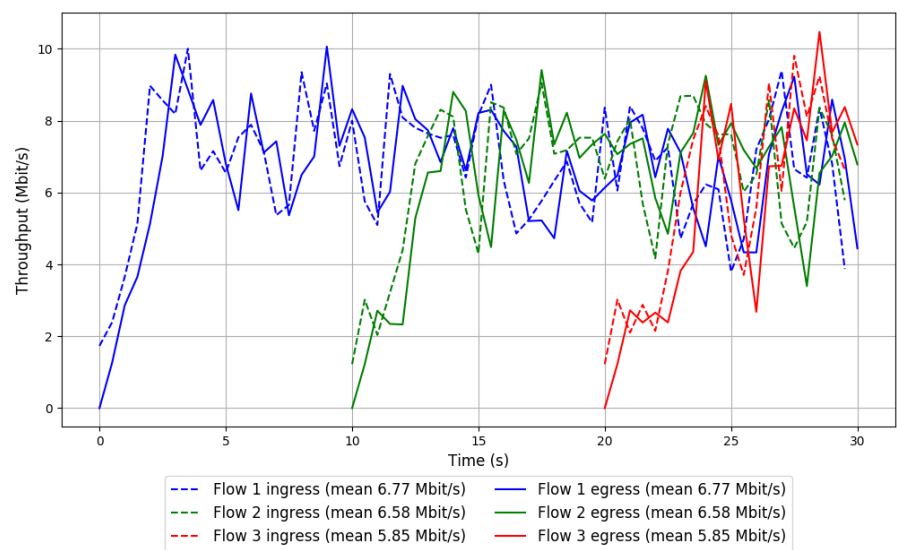


Run 2: Statistics of Sprout

Start at: 2018-07-01 17:07:29
End at: 2018-07-01 17:07:59
Local clock offset: 0.123 ms
Remote clock offset: -0.437 ms

Below is generated by plot.py at 2018-07-01 22:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.07 Mbit/s
95th percentile per-packet one-way delay: 52.855 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.77 Mbit/s
95th percentile per-packet one-way delay: 52.901 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.58 Mbit/s
95th percentile per-packet one-way delay: 52.773 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.85 Mbit/s
95th percentile per-packet one-way delay: 52.543 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

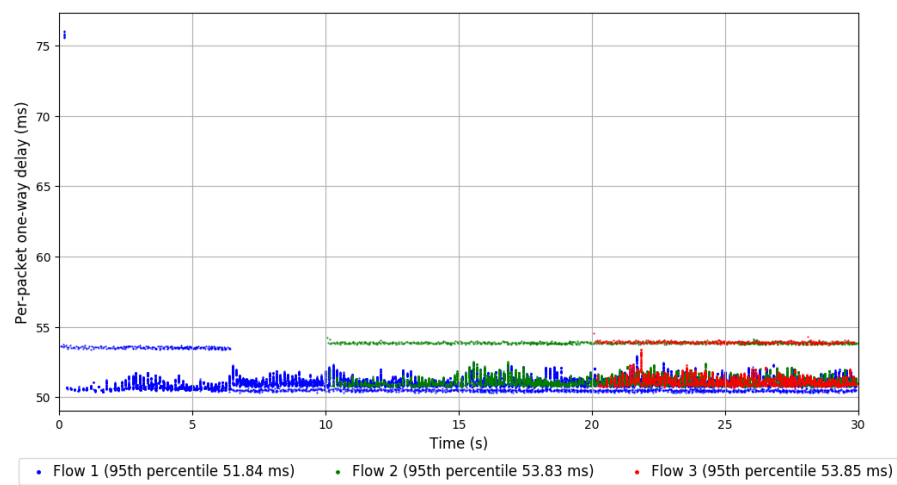
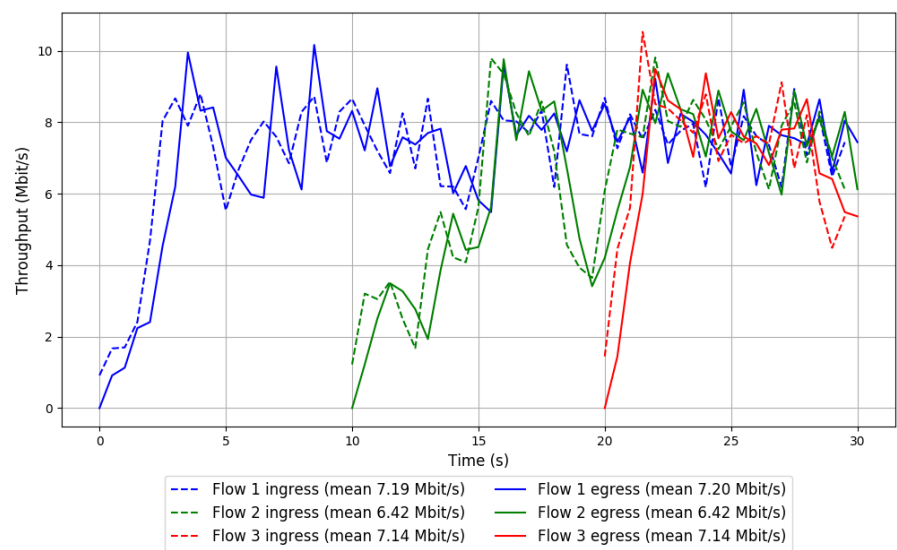


Run 3: Statistics of Sprout

Start at: 2018-07-01 17:31:39
End at: 2018-07-01 17:32:09
Local clock offset: -0.071 ms
Remote clock offset: 0.056 ms

```
# Below is generated by plot.py at 2018-07-01 22:26:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.80 Mbit/s
95th percentile per-packet one-way delay: 52.106 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 51.841 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 53.828 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.14 Mbit/s
95th percentile per-packet one-way delay: 53.849 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

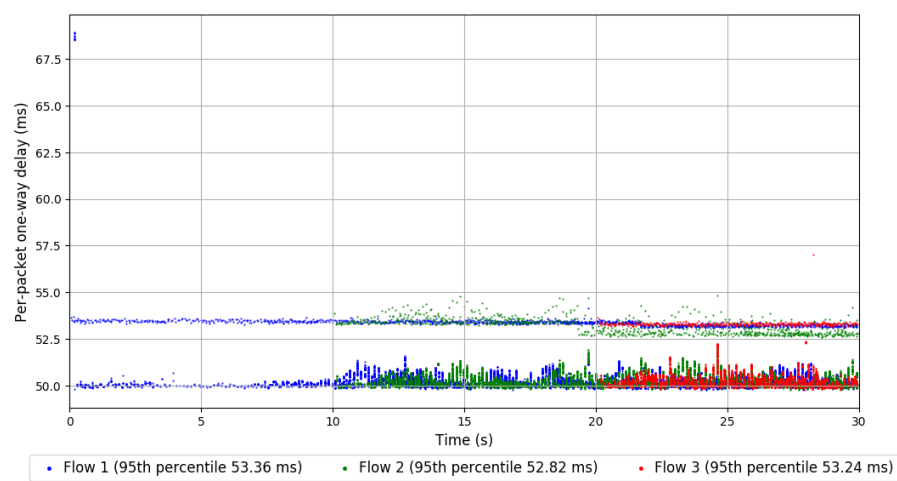
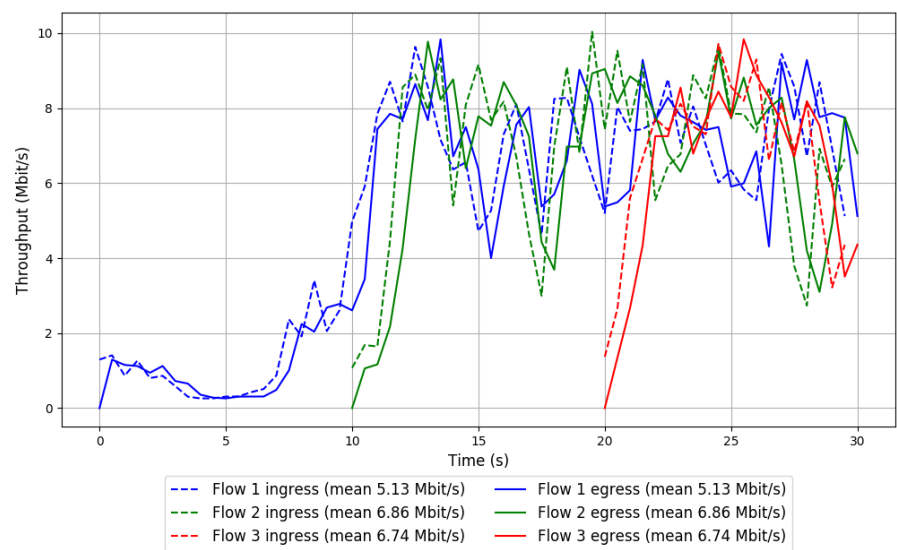


Run 4: Statistics of Sprout

Start at: 2018-07-01 17:56:06
End at: 2018-07-01 17:56:36
Local clock offset: 0.121 ms
Remote clock offset: -0.42 ms

```
# Below is generated by plot.py at 2018-07-01 22:26:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.91 Mbit/s
95th percentile per-packet one-way delay: 53.265 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.13 Mbit/s
95th percentile per-packet one-way delay: 53.357 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: 52.824 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.74 Mbit/s
95th percentile per-packet one-way delay: 53.244 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-01 18:20:03

End at: 2018-07-01 18:20:33

Local clock offset: 0.211 ms

Remote clock offset: 0.089 ms

Below is generated by plot.py at 2018-07-01 22:26:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.59 Mbit/s

95th percentile per-packet one-way delay: 51.772 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.62 Mbit/s

95th percentile per-packet one-way delay: 53.605 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.21 Mbit/s

95th percentile per-packet one-way delay: 51.195 ms

Loss rate: 0.00%

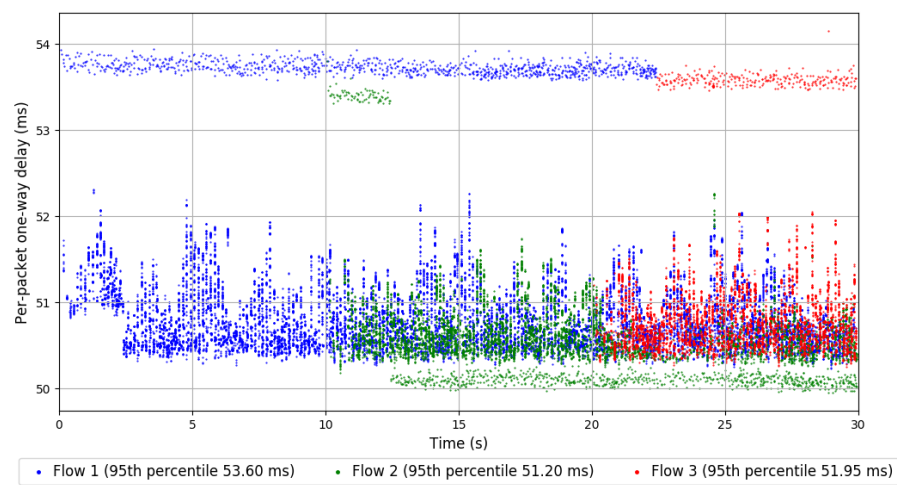
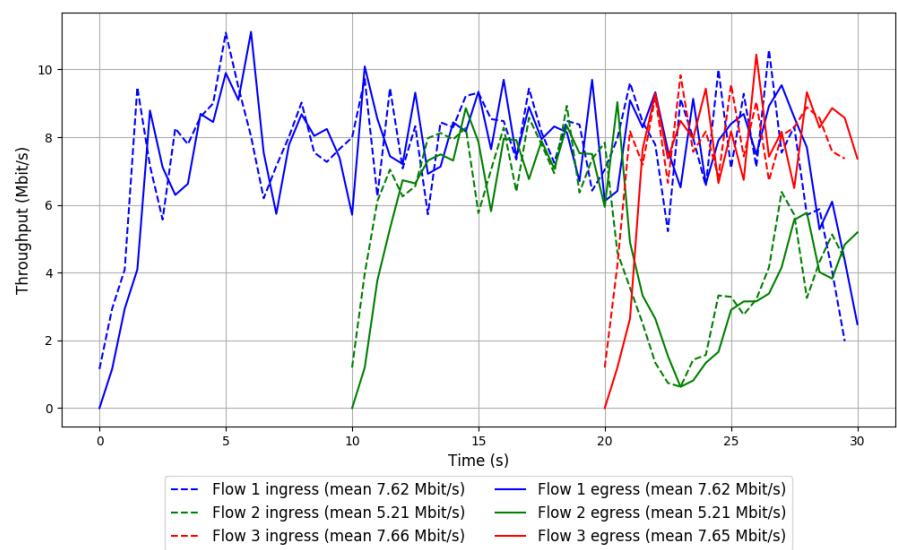
-- Flow 3:

Average throughput: 7.65 Mbit/s

95th percentile per-packet one-way delay: 51.953 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

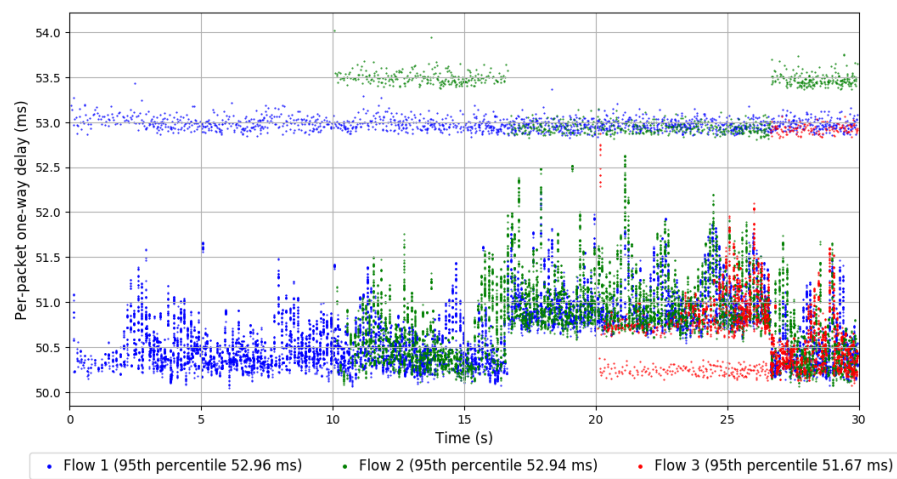
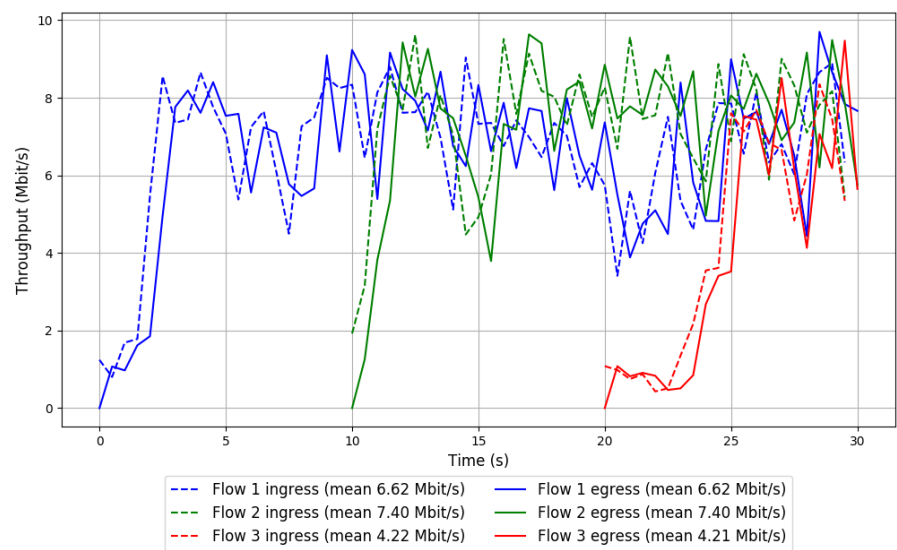


Run 6: Statistics of Sprout

Start at: 2018-07-01 18:43:48
End at: 2018-07-01 18:44:18
Local clock offset: 0.204 ms
Remote clock offset: -0.039 ms

```
# Below is generated by plot.py at 2018-07-01 22:26:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.93 Mbit/s
95th percentile per-packet one-way delay: 52.942 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 52.959 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.40 Mbit/s
95th percentile per-packet one-way delay: 52.939 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 51.666 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

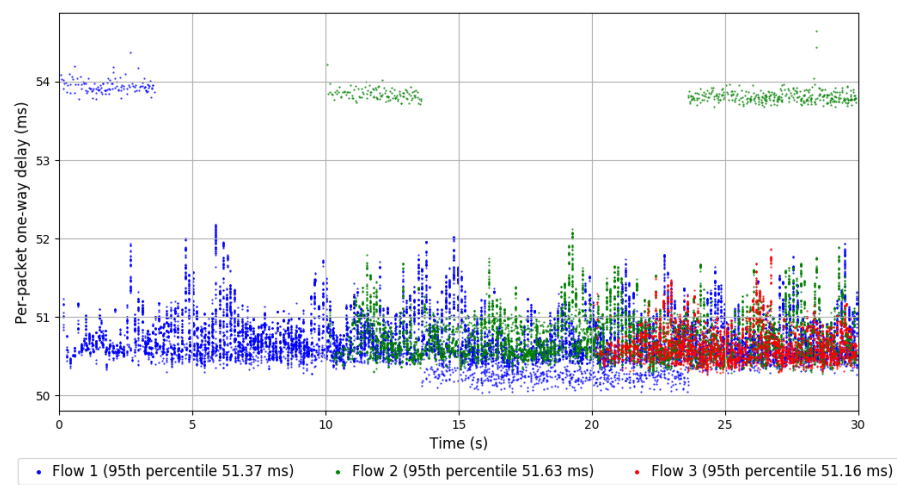
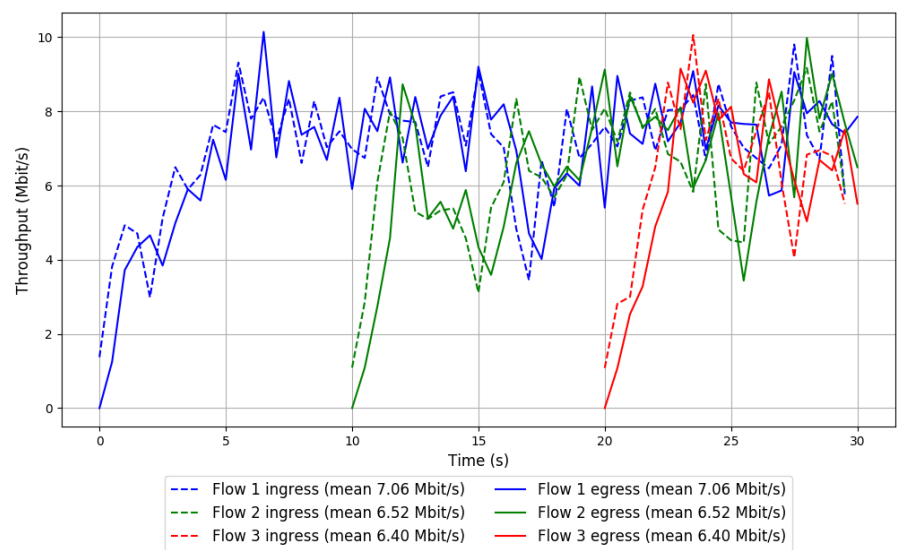


Run 7: Statistics of Sprout

Start at: 2018-07-01 19:07:41
End at: 2018-07-01 19:08:12
Local clock offset: -0.157 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-01 22:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.50 Mbit/s
95th percentile per-packet one-way delay: 51.424 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 51.373 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.52 Mbit/s
95th percentile per-packet one-way delay: 51.634 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 51.165 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

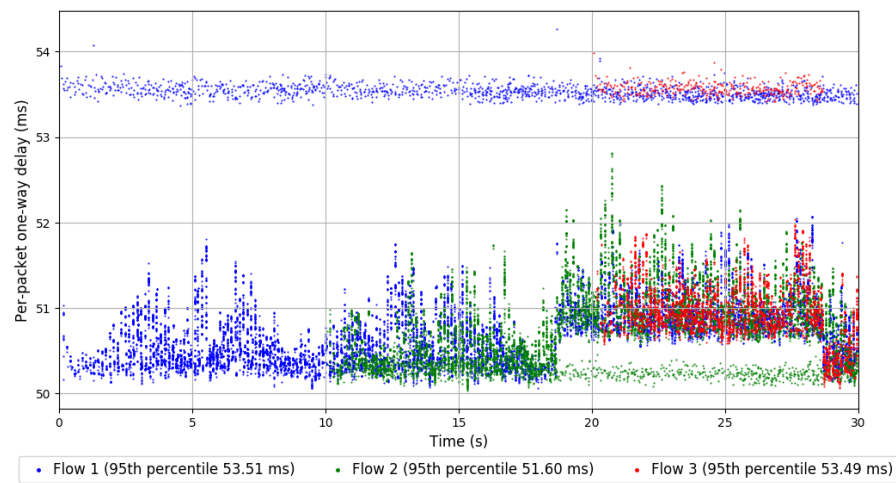
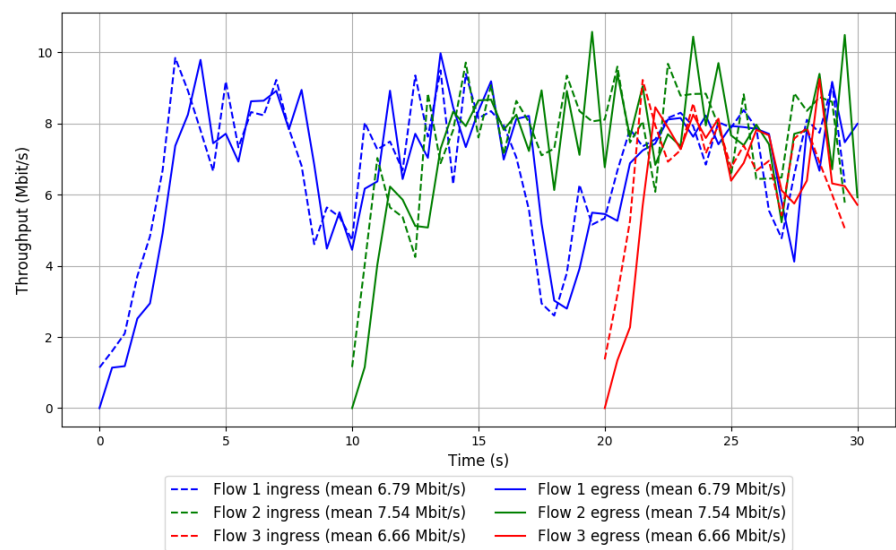


Run 8: Statistics of Sprout

Start at: 2018-07-01 19:31:46
End at: 2018-07-01 19:32:16
Local clock offset: -0.112 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-07-01 22:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.00 Mbit/s
95th percentile per-packet one-way delay: 52.601 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.79 Mbit/s
95th percentile per-packet one-way delay: 53.511 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.54 Mbit/s
95th percentile per-packet one-way delay: 51.596 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.66 Mbit/s
95th percentile per-packet one-way delay: 53.495 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

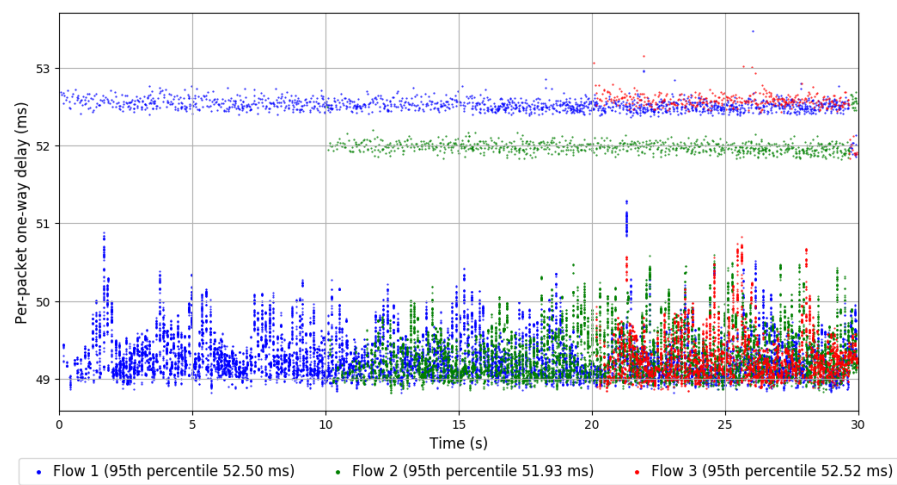
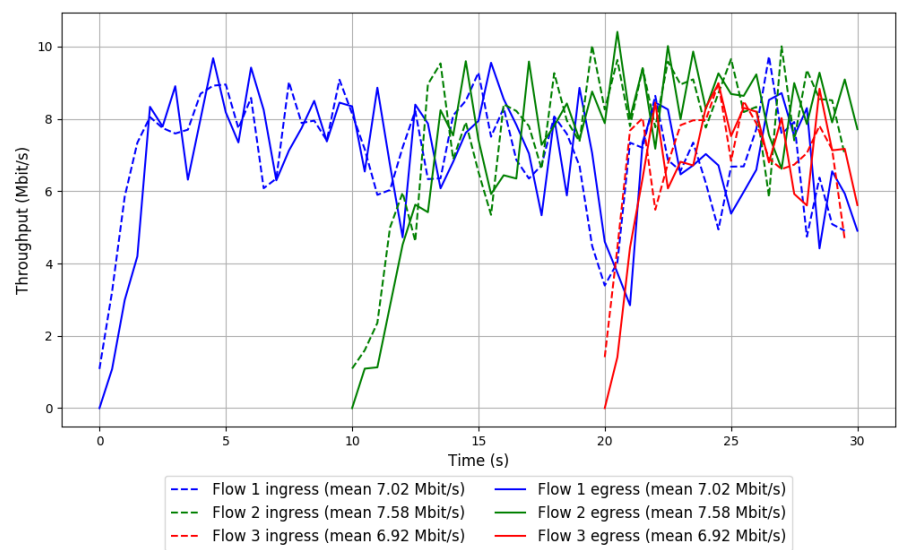


Run 9: Statistics of Sprout

Start at: 2018-07-01 19:55:45
End at: 2018-07-01 19:56:15
Local clock offset: -0.145 ms
Remote clock offset: -1.122 ms

Below is generated by plot.py at 2018-07-01 22:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.33 Mbit/s
95th percentile per-packet one-way delay: 52.407 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 52.496 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 51.933 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.92 Mbit/s
95th percentile per-packet one-way delay: 52.517 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

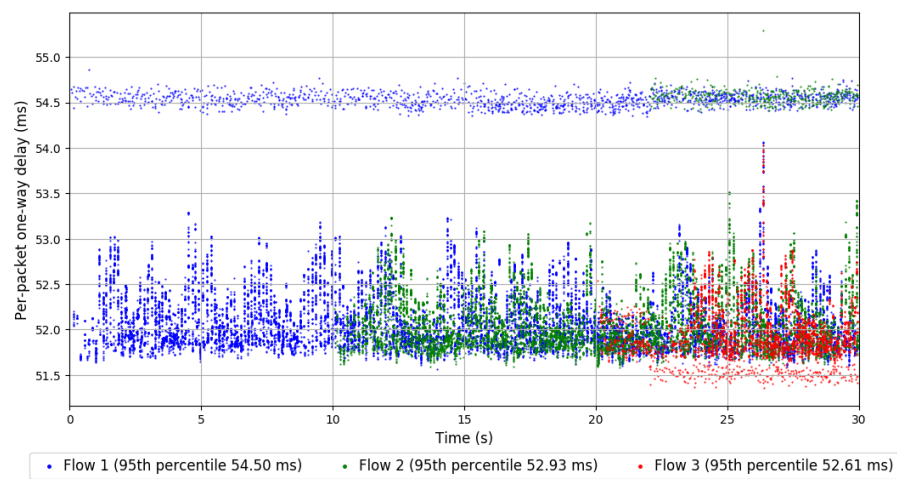
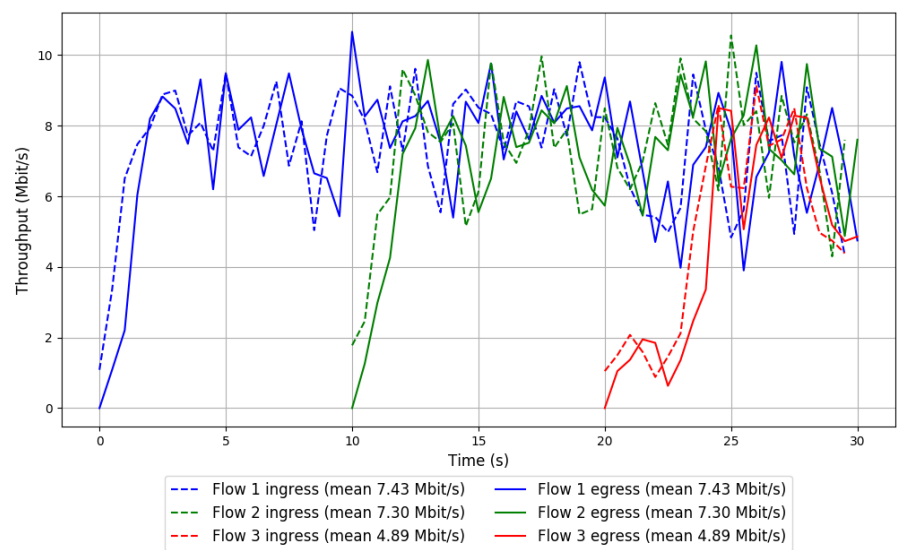


Run 10: Statistics of Sprout

Start at: 2018-07-01 20:19:53
End at: 2018-07-01 20:20:23
Local clock offset: 0.142 ms
Remote clock offset: 1.294 ms

```
# Below is generated by plot.py at 2018-07-01 22:26:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.89 Mbit/s
95th percentile per-packet one-way delay: 54.403 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.43 Mbit/s
95th percentile per-packet one-way delay: 54.498 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.30 Mbit/s
95th percentile per-packet one-way delay: 52.934 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.89 Mbit/s
95th percentile per-packet one-way delay: 52.611 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

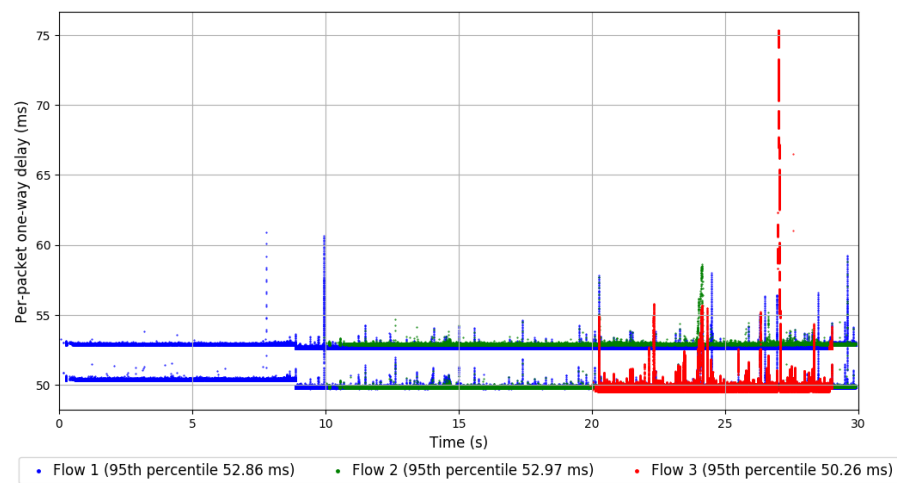
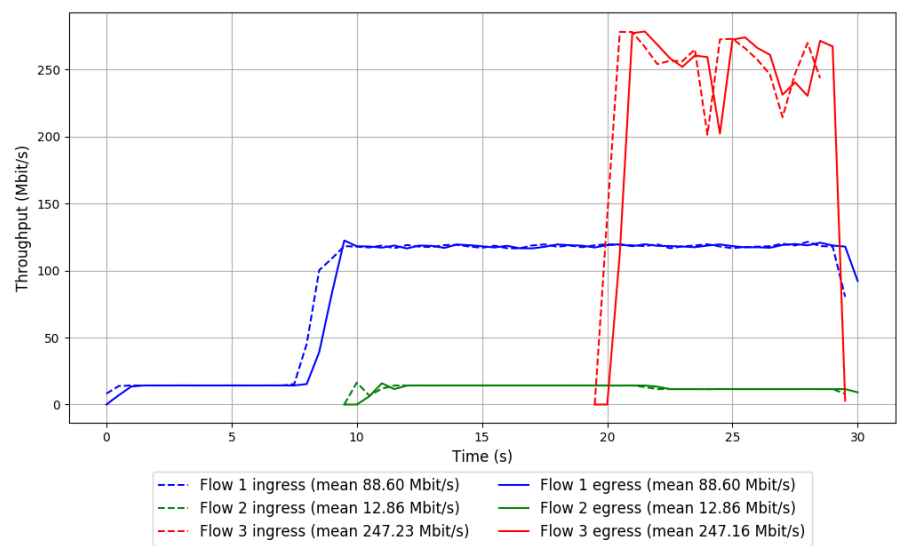


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-01 16:32:16
End at: 2018-07-01 16:32:46
Local clock offset: 0.007 ms
Remote clock offset: -0.396 ms

# Below is generated by plot.py at 2018-07-01 22:29:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 172.36 Mbit/s
95th percentile per-packet one-way delay: 52.873 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.60 Mbit/s
95th percentile per-packet one-way delay: 52.860 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.86 Mbit/s
95th percentile per-packet one-way delay: 52.970 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 247.16 Mbit/s
95th percentile per-packet one-way delay: 50.262 ms
Loss rate: 0.00%
```


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

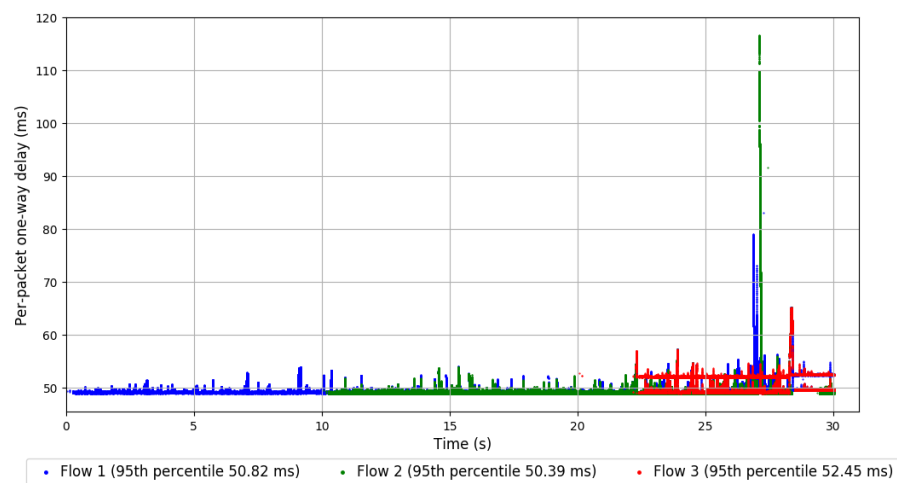
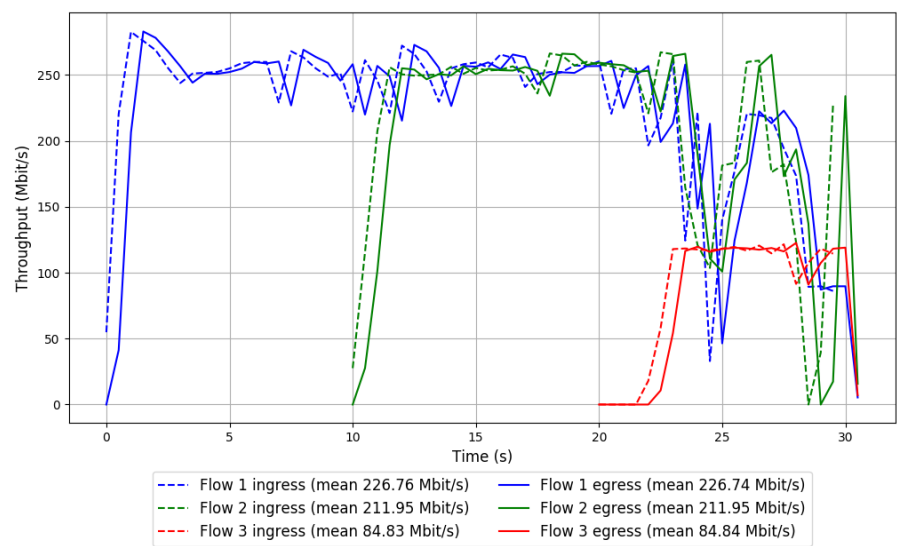


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-01 16:56:17
End at: 2018-07-01 16:56:47
Local clock offset: -0.215 ms
Remote clock offset: -1.367 ms

Below is generated by plot.py at 2018-07-01 22:37:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 396.09 Mbit/s
95th percentile per-packet one-way delay: 52.080 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.74 Mbit/s
95th percentile per-packet one-way delay: 50.816 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 211.95 Mbit/s
95th percentile per-packet one-way delay: 50.386 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 84.84 Mbit/s
95th percentile per-packet one-way delay: 52.449 ms
Loss rate: 0.00%

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

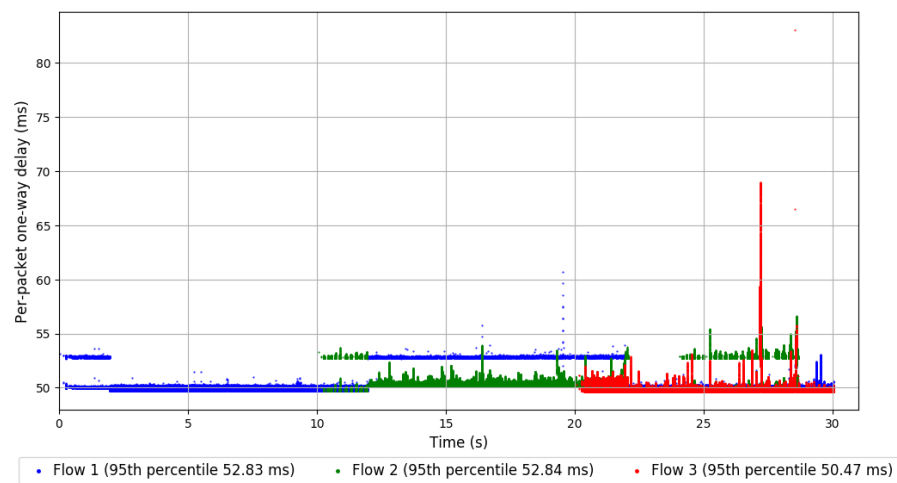
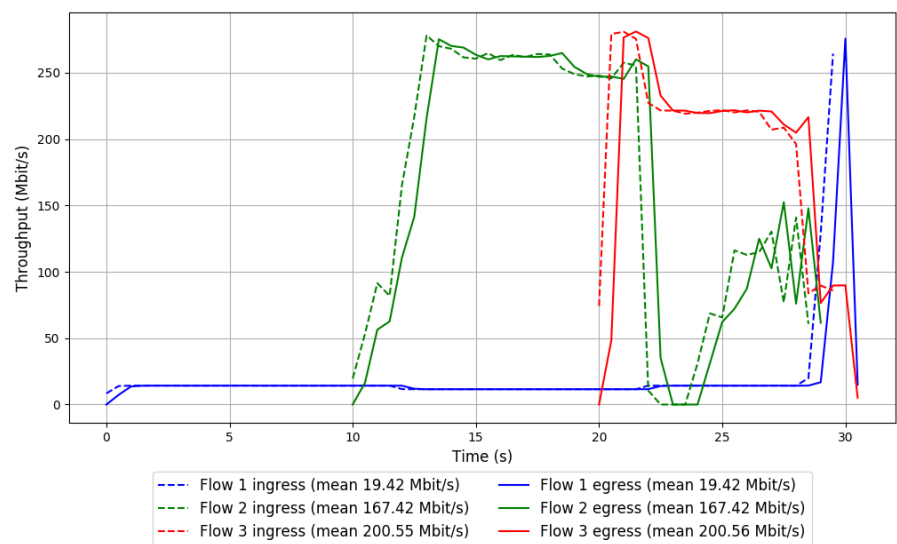


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-01 17:20:53
End at: 2018-07-01 17:21:23
Local clock offset: 0.102 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-07-01 22:37:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 189.91 Mbit/s
95th percentile per-packet one-way delay: 52.799 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 19.42 Mbit/s
95th percentile per-packet one-way delay: 52.827 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 167.42 Mbit/s
95th percentile per-packet one-way delay: 52.839 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 200.56 Mbit/s
95th percentile per-packet one-way delay: 50.472 ms
Loss rate: 0.00%

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

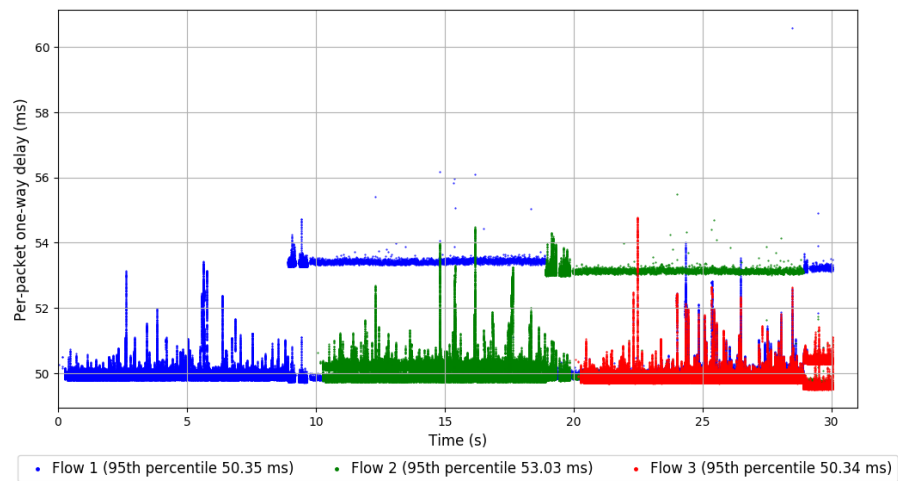
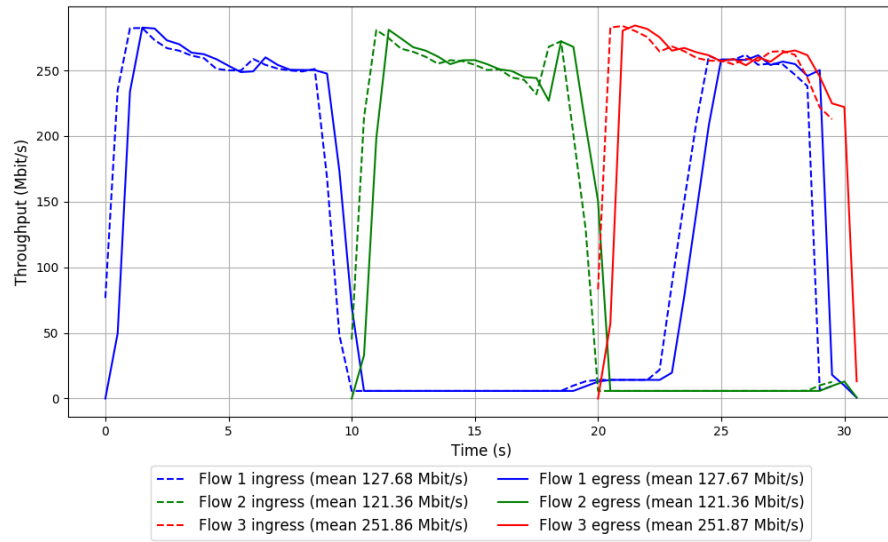


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-01 17:45:06
End at: 2018-07-01 17:45:36
Local clock offset: 0.113 ms
Remote clock offset: -0.282 ms

Below is generated by plot.py at 2018-07-01 22:37:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 292.17 Mbit/s
95th percentile per-packet one-way delay: 50.384 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 127.67 Mbit/s
95th percentile per-packet one-way delay: 50.349 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 121.36 Mbit/s
95th percentile per-packet one-way delay: 53.033 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 251.87 Mbit/s
95th percentile per-packet one-way delay: 50.335 ms
Loss rate: 0.00%

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

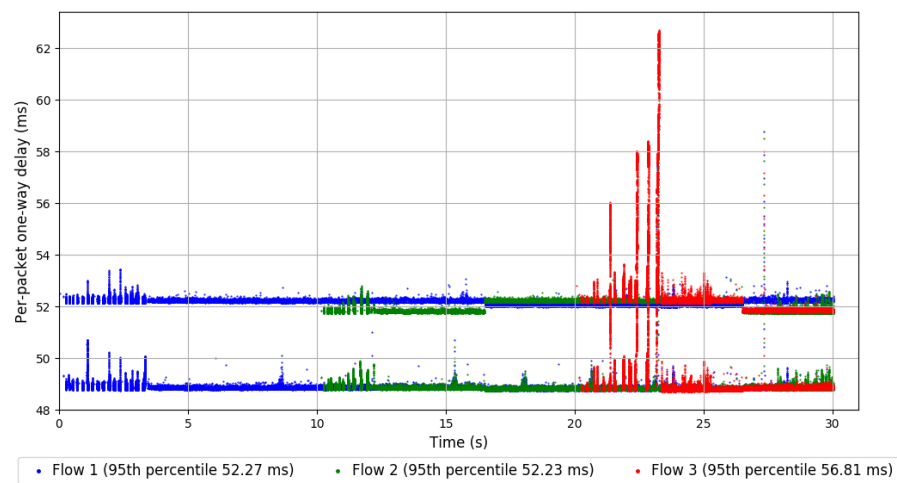
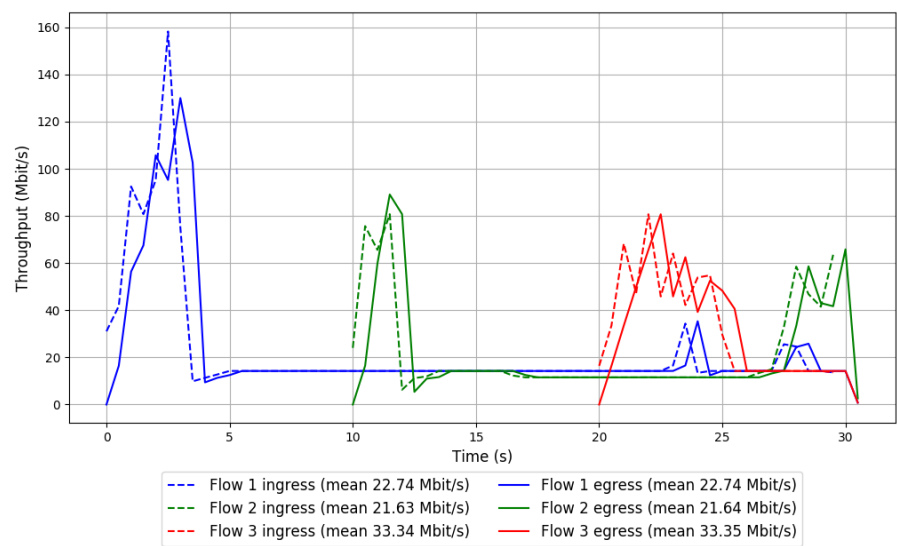


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-01 18:09:29
End at: 2018-07-01 18:09:59
Local clock offset: 0.064 ms
Remote clock offset: -1.498 ms

Below is generated by plot.py at 2018-07-01 22:37:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.22 Mbit/s
95th percentile per-packet one-way delay: 52.356 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.74 Mbit/s
95th percentile per-packet one-way delay: 52.275 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.64 Mbit/s
95th percentile per-packet one-way delay: 52.230 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.35 Mbit/s
95th percentile per-packet one-way delay: 56.808 ms
Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-01 18:33:12

End at: 2018-07-01 18:33:42

Local clock offset: 0.261 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-01 22:37:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 108.49 Mbit/s

95th percentile per-packet one-way delay: 53.574 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 27.23 Mbit/s

95th percentile per-packet one-way delay: 53.523 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 112.59 Mbit/s

95th percentile per-packet one-way delay: 53.734 ms

Loss rate: 0.00%

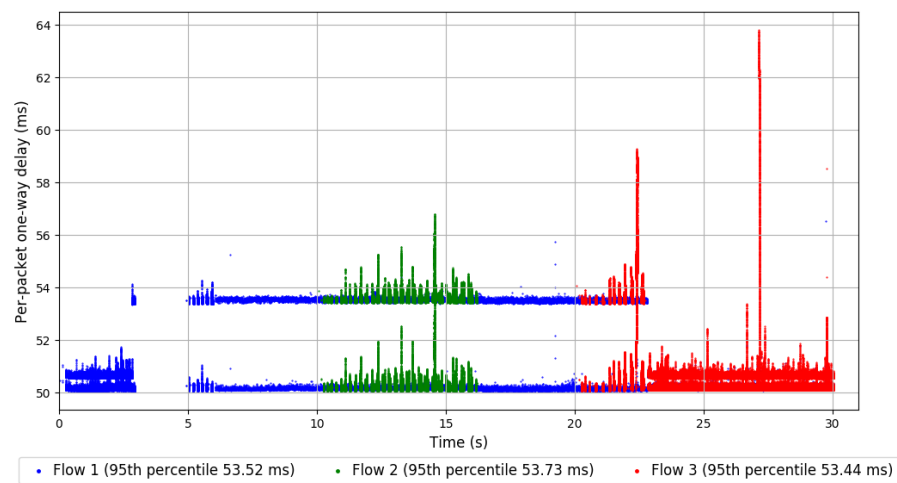
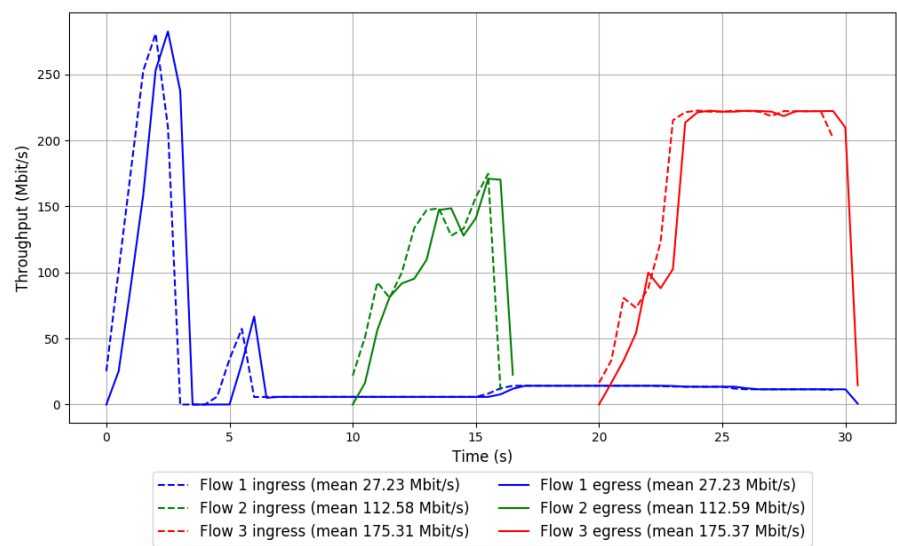
-- Flow 3:

Average throughput: 175.37 Mbit/s

95th percentile per-packet one-way delay: 53.441 ms

Loss rate: 0.00%

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

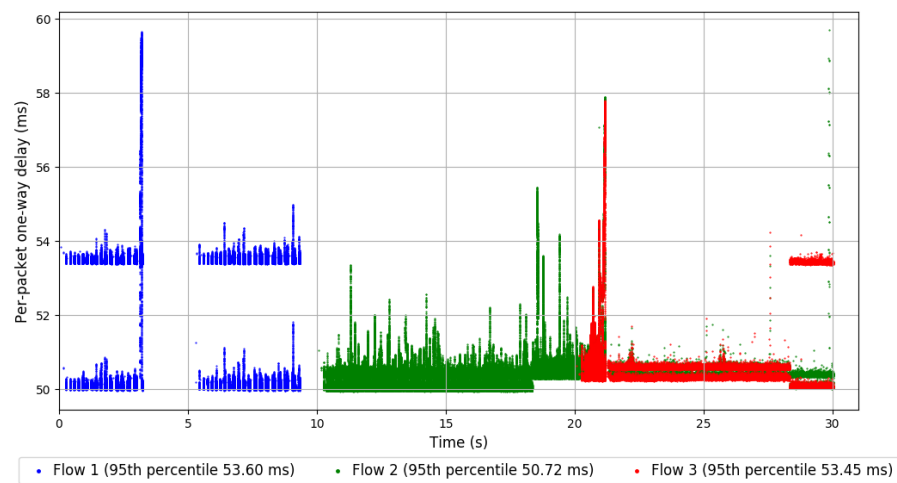
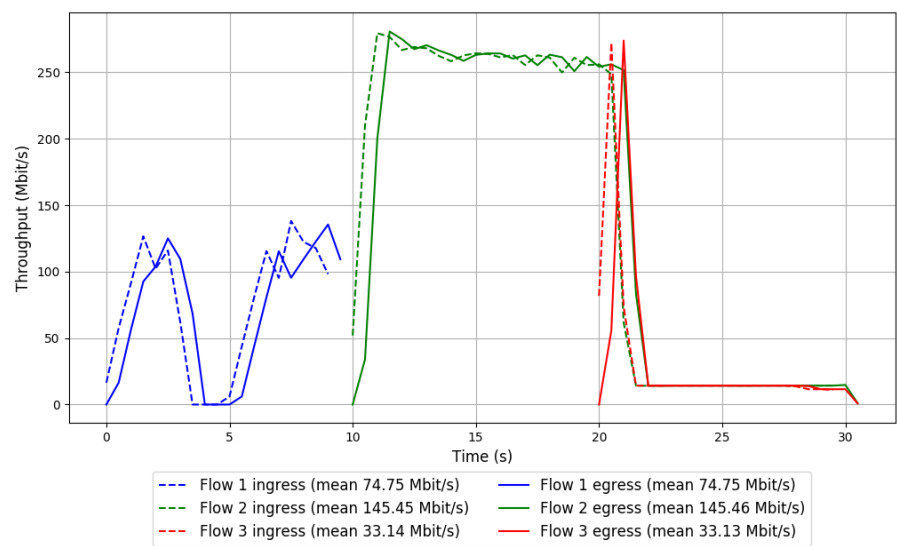


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-01 18:57:07
End at: 2018-07-01 18:57:37
Local clock offset: 0.143 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-01 22:37:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 131.09 Mbit/s
95th percentile per-packet one-way delay: 53.490 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.75 Mbit/s
95th percentile per-packet one-way delay: 53.596 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 145.46 Mbit/s
95th percentile per-packet one-way delay: 50.722 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.13 Mbit/s
95th percentile per-packet one-way delay: 53.449 ms
Loss rate: 0.00%

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

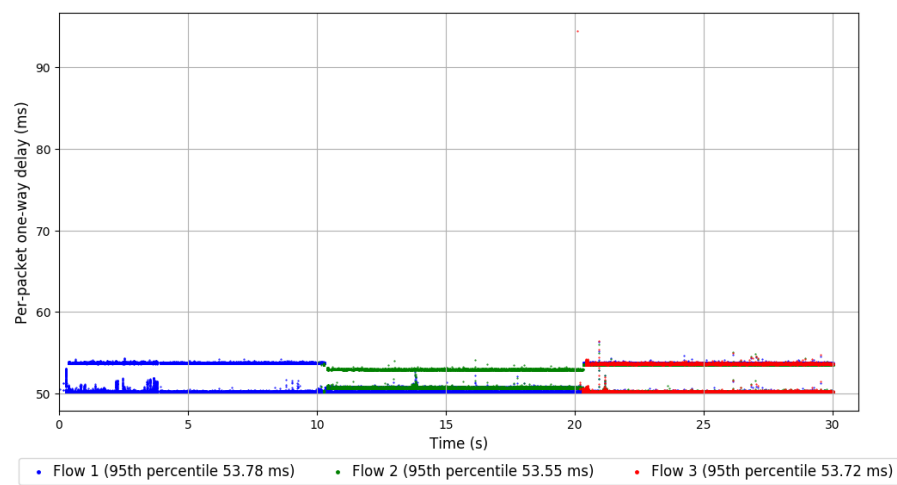
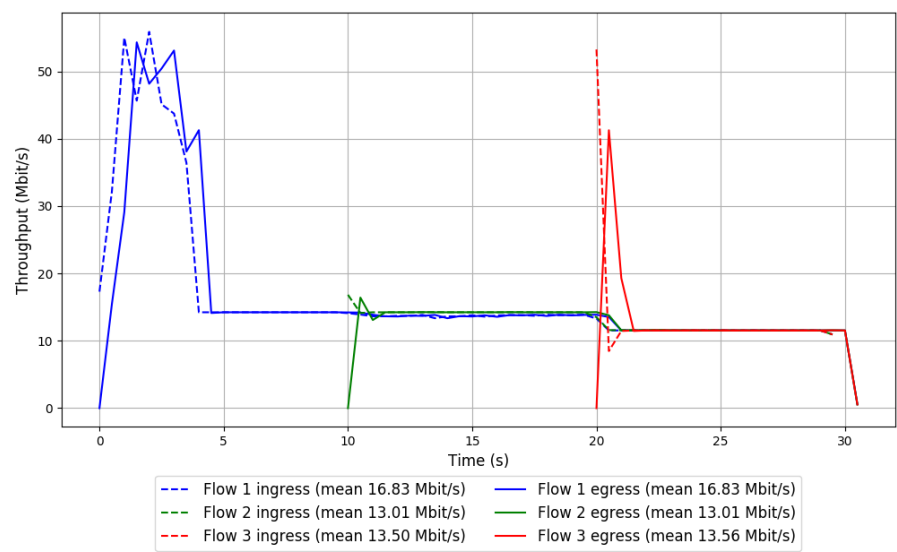


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-01 19:21:05
End at: 2018-07-01 19:21:35
Local clock offset: -0.2 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-07-01 22:37:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.97 Mbit/s
95th percentile per-packet one-way delay: 53.757 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.83 Mbit/s
95th percentile per-packet one-way delay: 53.777 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.01 Mbit/s
95th percentile per-packet one-way delay: 53.552 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.56 Mbit/s
95th percentile per-packet one-way delay: 53.718 ms
Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-01 19:45:07

End at: 2018-07-01 19:45:37

Local clock offset: -0.166 ms

Remote clock offset: 1.213 ms

Below is generated by plot.py at 2018-07-01 22:37:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 117.85 Mbit/s

95th percentile per-packet one-way delay: 55.008 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 18.56 Mbit/s

95th percentile per-packet one-way delay: 55.075 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 97.75 Mbit/s

95th percentile per-packet one-way delay: 55.233 ms

Loss rate: 0.00%

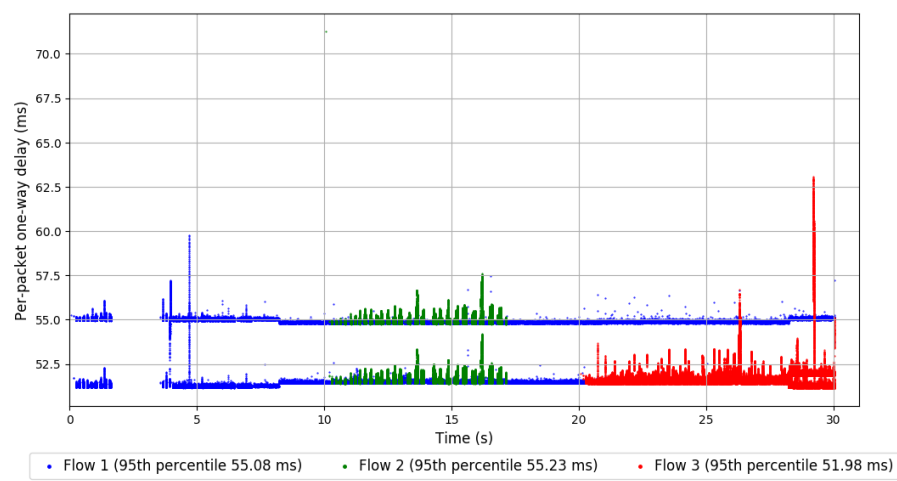
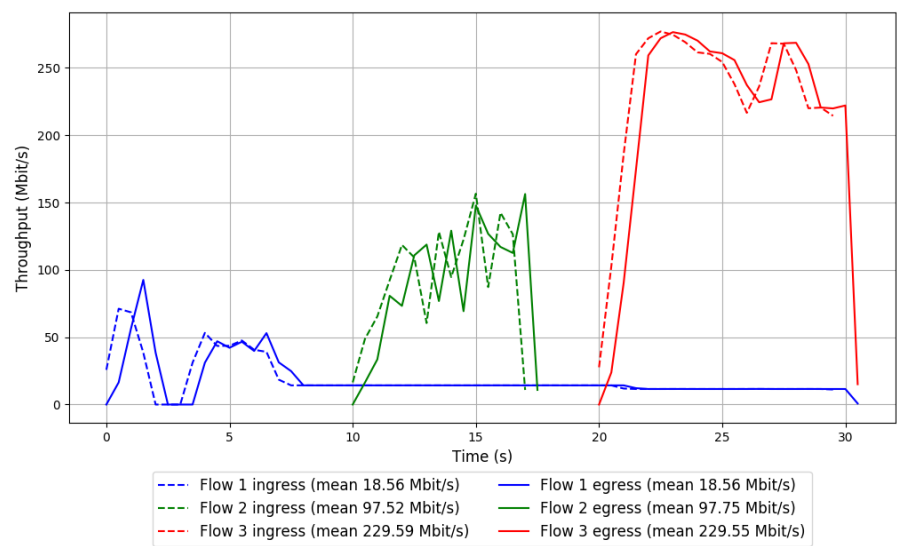
-- Flow 3:

Average throughput: 229.55 Mbit/s

95th percentile per-packet one-way delay: 51.979 ms

Loss rate: 0.00%

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

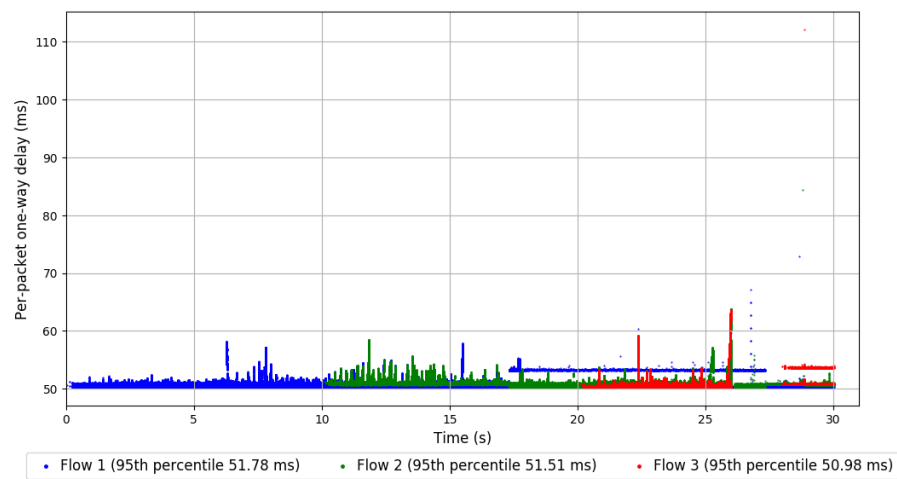
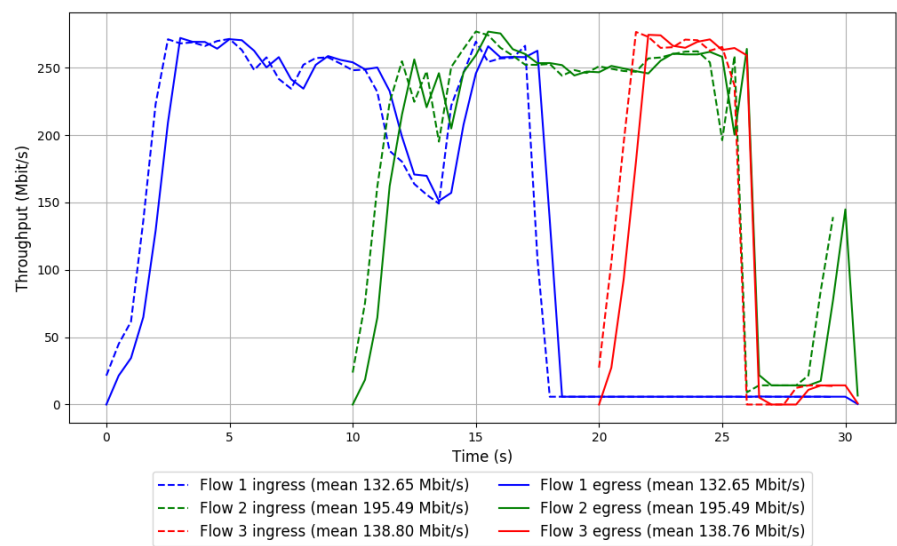


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-07-01 20:08:58
End at: 2018-07-01 20:09:28
Local clock offset: 0.122 ms
Remote clock offset: 0.087 ms

# Below is generated by plot.py at 2018-07-01 22:37:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 308.95 Mbit/s
95th percentile per-packet one-way delay: 51.516 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.65 Mbit/s
95th percentile per-packet one-way delay: 51.785 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 195.49 Mbit/s
95th percentile per-packet one-way delay: 51.514 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 138.76 Mbit/s
95th percentile per-packet one-way delay: 50.982 ms
Loss rate: 0.00%
```

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

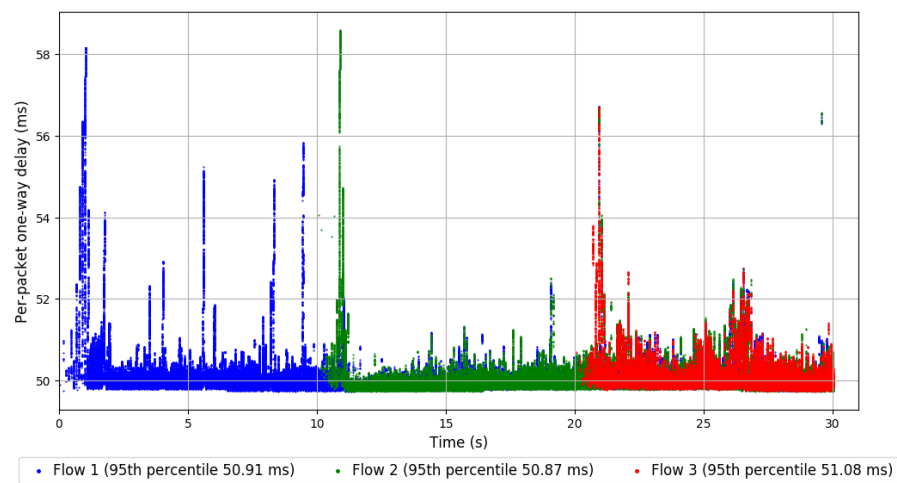
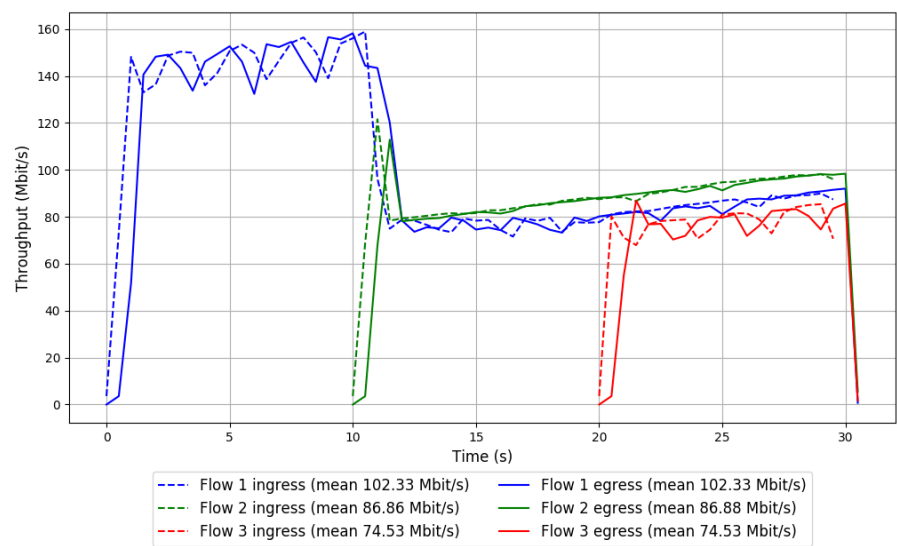


Run 1: Statistics of TCP Vegas

Start at: 2018-07-01 16:35:09
End at: 2018-07-01 16:35:39
Local clock offset: 0.268 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-07-01 22:37:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 184.94 Mbit/s
95th percentile per-packet one-way delay: 50.930 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.33 Mbit/s
95th percentile per-packet one-way delay: 50.912 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 50.865 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 74.53 Mbit/s
95th percentile per-packet one-way delay: 51.080 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

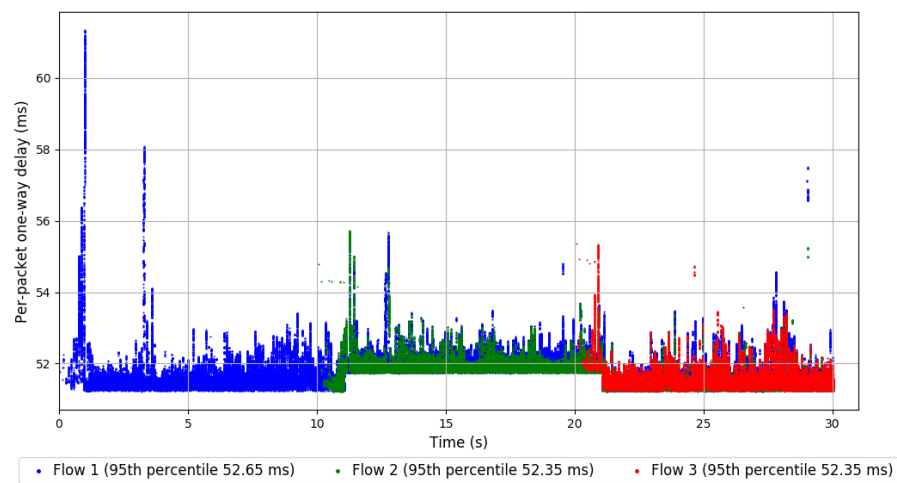
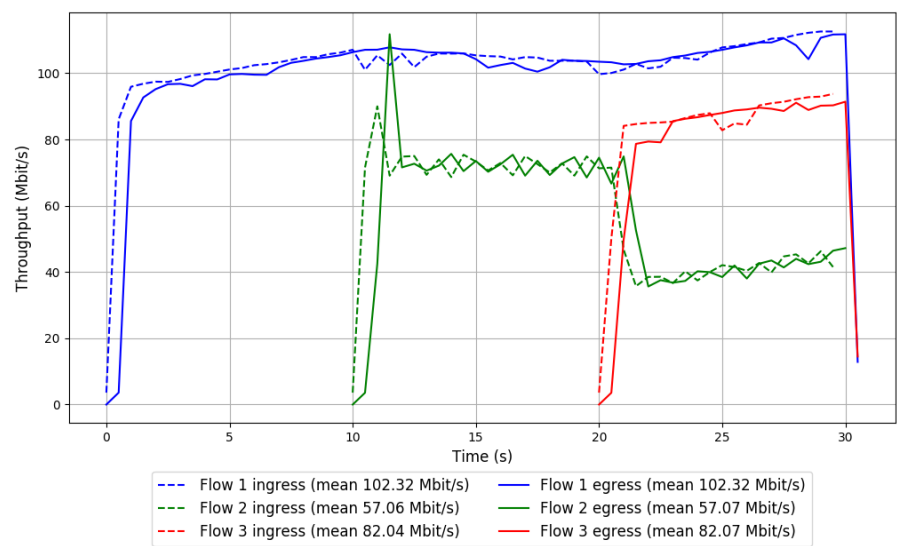


Run 2: Statistics of TCP Vegas

Start at: 2018-07-01 16:59:34
End at: 2018-07-01 17:00:04
Local clock offset: -0.139 ms
Remote clock offset: 0.964 ms

Below is generated by plot.py at 2018-07-01 22:37:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 167.54 Mbit/s
95th percentile per-packet one-way delay: 52.552 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.32 Mbit/s
95th percentile per-packet one-way delay: 52.652 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.07 Mbit/s
95th percentile per-packet one-way delay: 52.354 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 82.07 Mbit/s
95th percentile per-packet one-way delay: 52.347 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-01 17:23:47

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

Local clock offset: 0.0 ms

Remote clock offset: 0.14 ms

Below is generated by plot.py at 2018-07-01 22:37:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 200.20 Mbit/s

95th percentile per-packet one-way delay: 51.895 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 97.00 Mbit/s

95th percentile per-packet one-way delay: 51.786 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 112.19 Mbit/s

95th percentile per-packet one-way delay: 52.211 ms

Loss rate: 0.00%

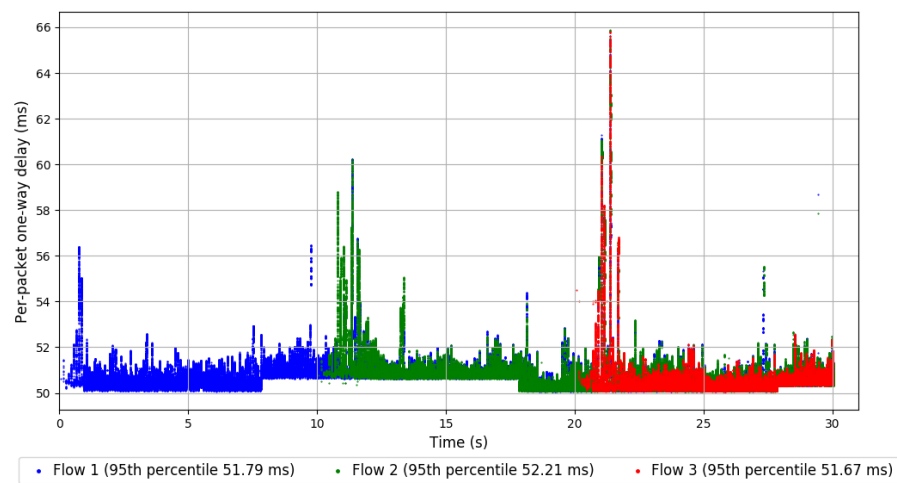
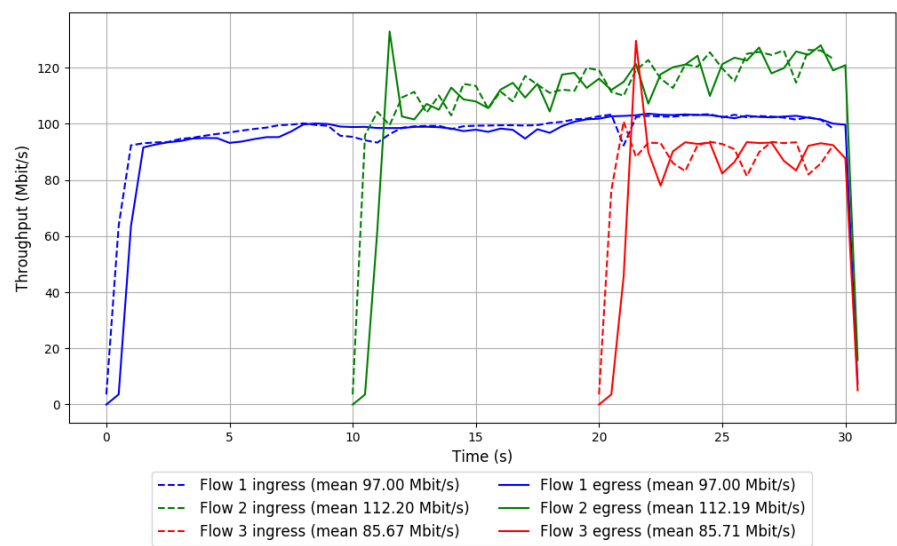
-- Flow 3:

Average throughput: 85.71 Mbit/s

95th percentile per-packet one-way delay: 51.670 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

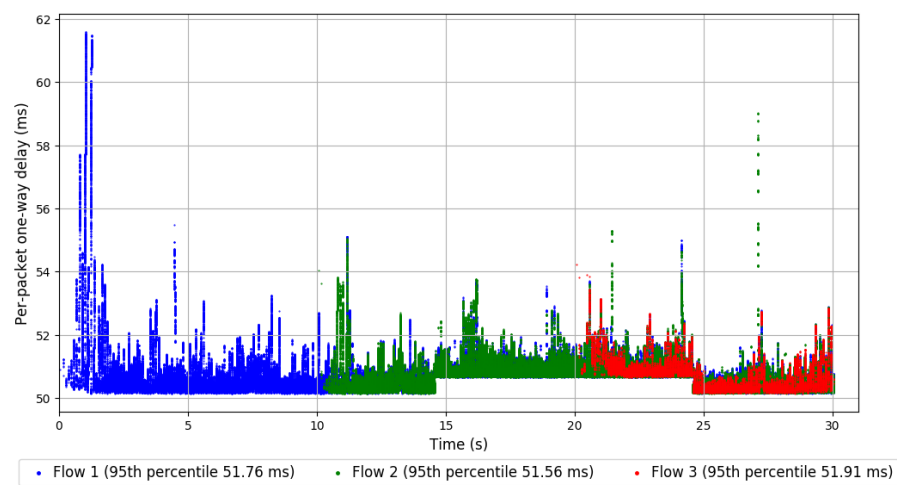
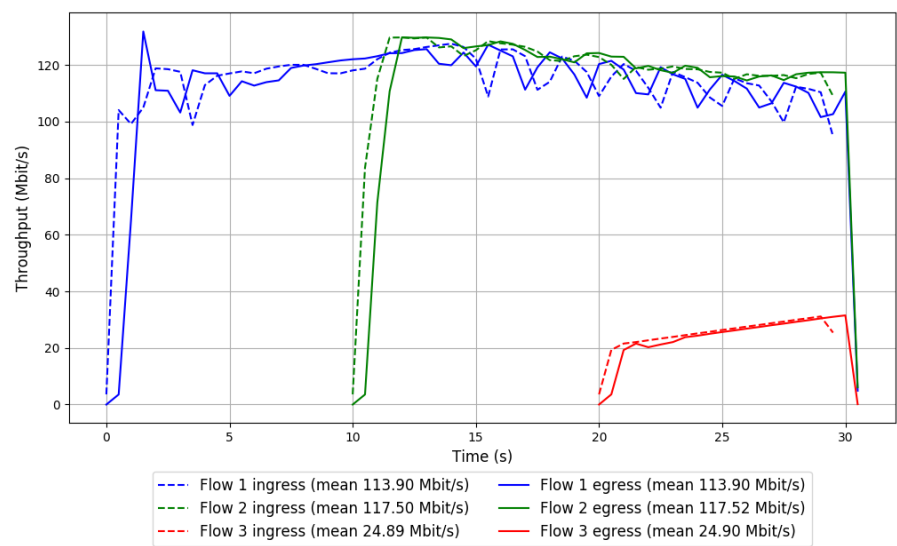


Run 4: Statistics of TCP Vegas

Start at: 2018-07-01 17:48:11
End at: 2018-07-01 17:48:41
Local clock offset: 0.021 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-01 22:37:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 200.41 Mbit/s
95th percentile per-packet one-way delay: 51.687 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 113.90 Mbit/s
95th percentile per-packet one-way delay: 51.757 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 117.52 Mbit/s
95th percentile per-packet one-way delay: 51.565 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.90 Mbit/s
95th percentile per-packet one-way delay: 51.905 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

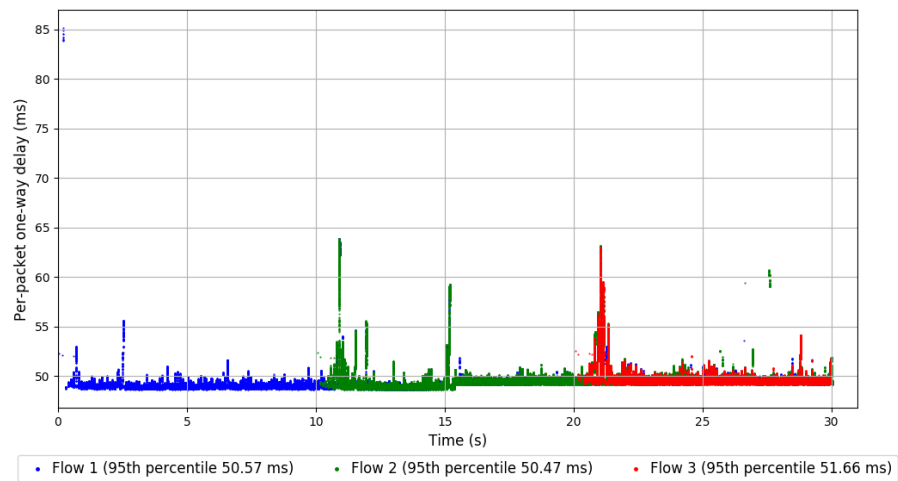
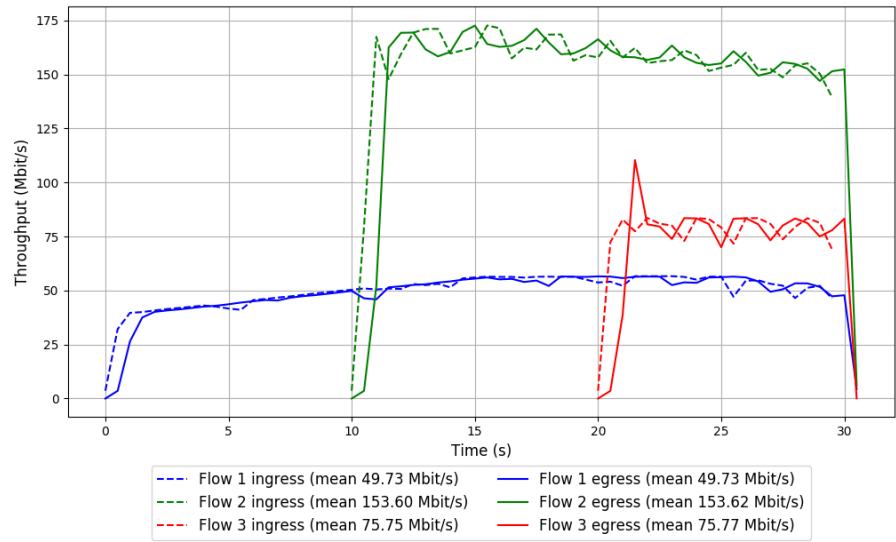


Run 5: Statistics of TCP Vegas

Start at: 2018-07-01 18:12:10
End at: 2018-07-01 18:12:40
Local clock offset: 0.069 ms
Remote clock offset: -1.623 ms

Below is generated by plot.py at 2018-07-01 22:37:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 177.19 Mbit/s
95th percentile per-packet one-way delay: 50.654 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.73 Mbit/s
95th percentile per-packet one-way delay: 50.571 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 153.62 Mbit/s
95th percentile per-packet one-way delay: 50.472 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 75.77 Mbit/s
95th percentile per-packet one-way delay: 51.663 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-01 18:35:58

End at: 2018-07-01 18:36:28

Local clock offset: 0.018 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-01 22:37:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 204.36 Mbit/s

95th percentile per-packet one-way delay: 52.269 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 172.00 Mbit/s

95th percentile per-packet one-way delay: 52.296 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 11.38 Mbit/s

95th percentile per-packet one-way delay: 51.592 ms

Loss rate: 0.03%

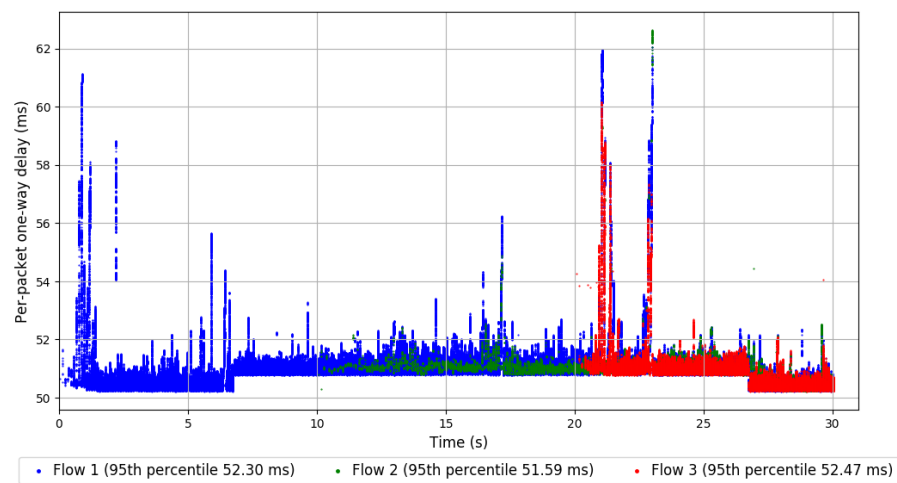
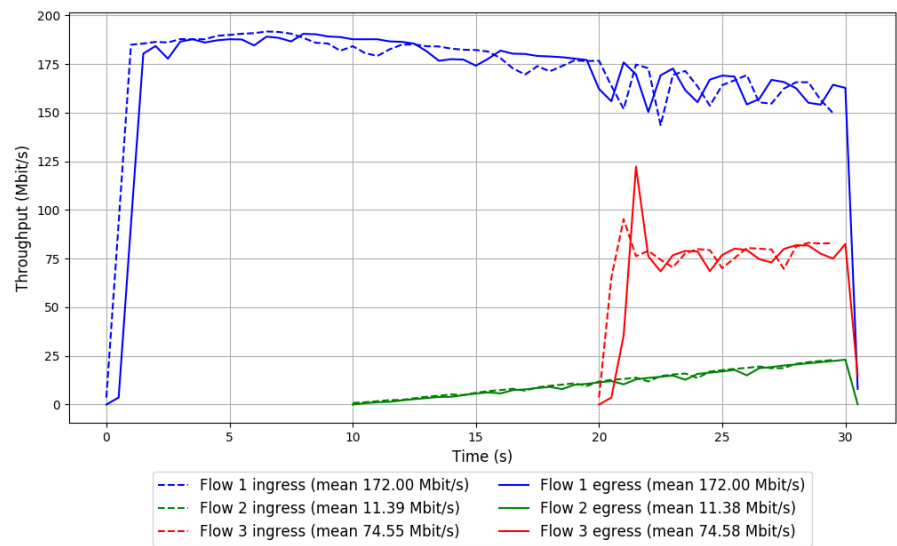
-- Flow 3:

Average throughput: 74.58 Mbit/s

95th percentile per-packet one-way delay: 52.471 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

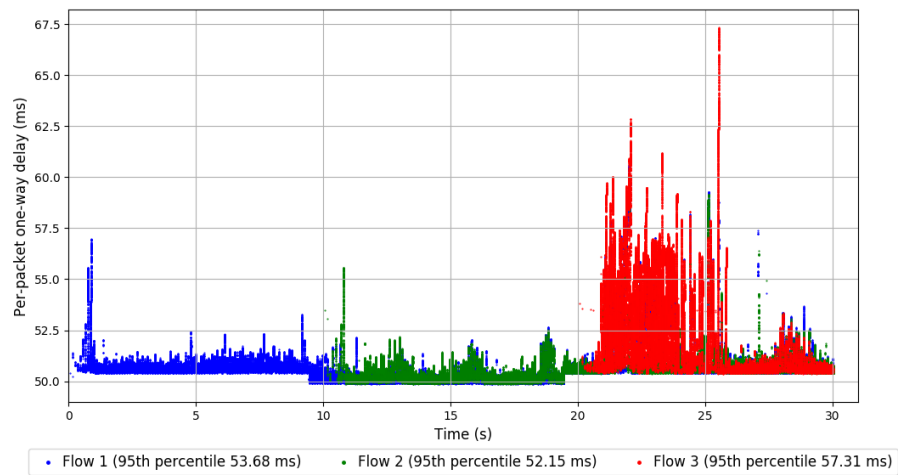
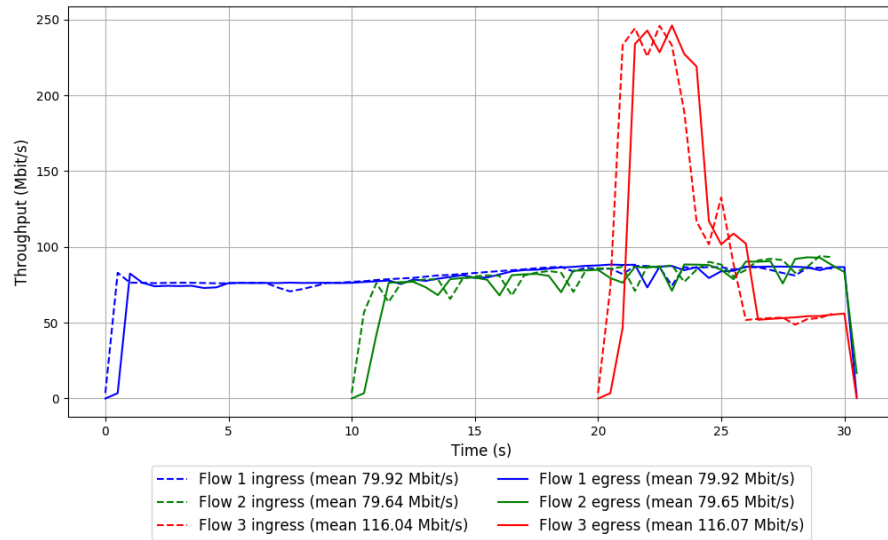


Run 7: Statistics of TCP Vegas

Start at: 2018-07-01 18:59:56
End at: 2018-07-01 19:00:26
Local clock offset: 0.251 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-01 22:37:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 171.40 Mbit/s
95th percentile per-packet one-way delay: 55.420 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.92 Mbit/s
95th percentile per-packet one-way delay: 53.682 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 79.65 Mbit/s
95th percentile per-packet one-way delay: 52.153 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 116.07 Mbit/s
95th percentile per-packet one-way delay: 57.307 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

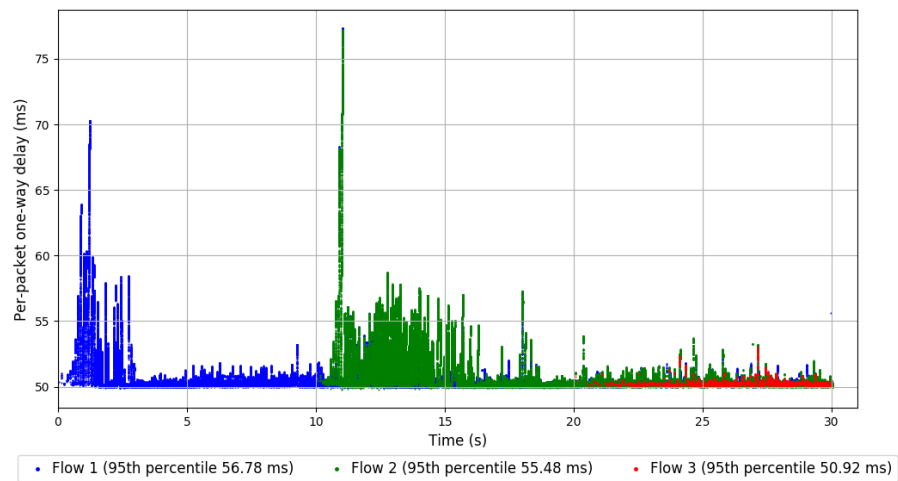
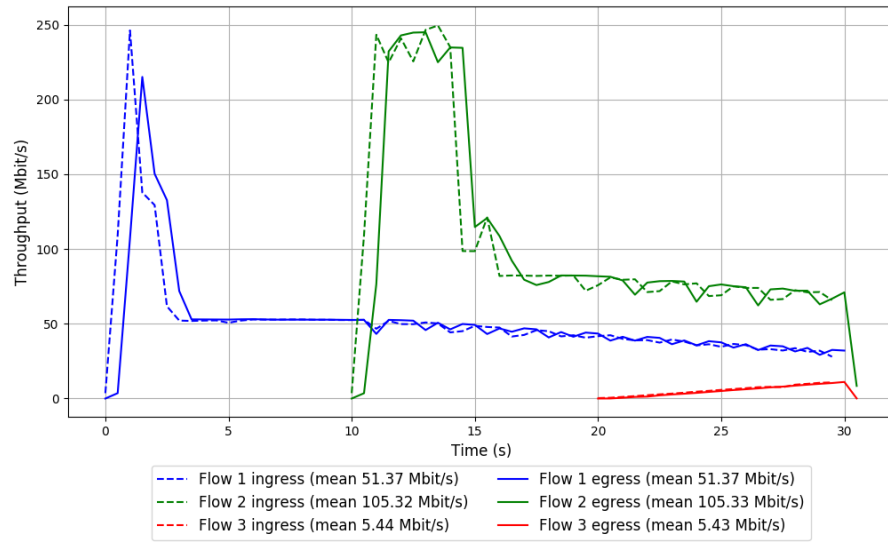


Run 8: Statistics of TCP Vegas

Start at: 2018-07-01 19:23:46
End at: 2018-07-01 19:24:16
Local clock offset: -0.079 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-07-01 22:37:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 123.26 Mbit/s
95th percentile per-packet one-way delay: 55.830 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.37 Mbit/s
95th percentile per-packet one-way delay: 56.776 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 105.33 Mbit/s
95th percentile per-packet one-way delay: 55.484 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.43 Mbit/s
95th percentile per-packet one-way delay: 50.917 ms
Loss rate: 0.22%

Run 8: Report of TCP Vegas — Data Link

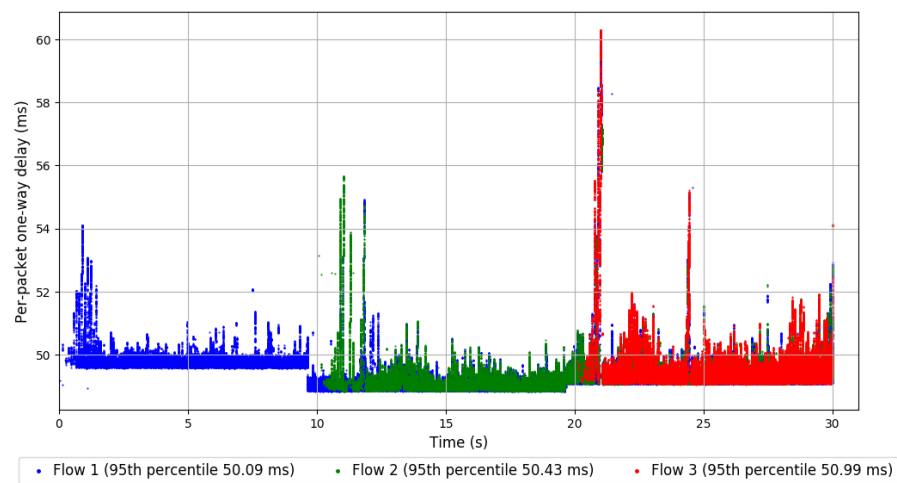
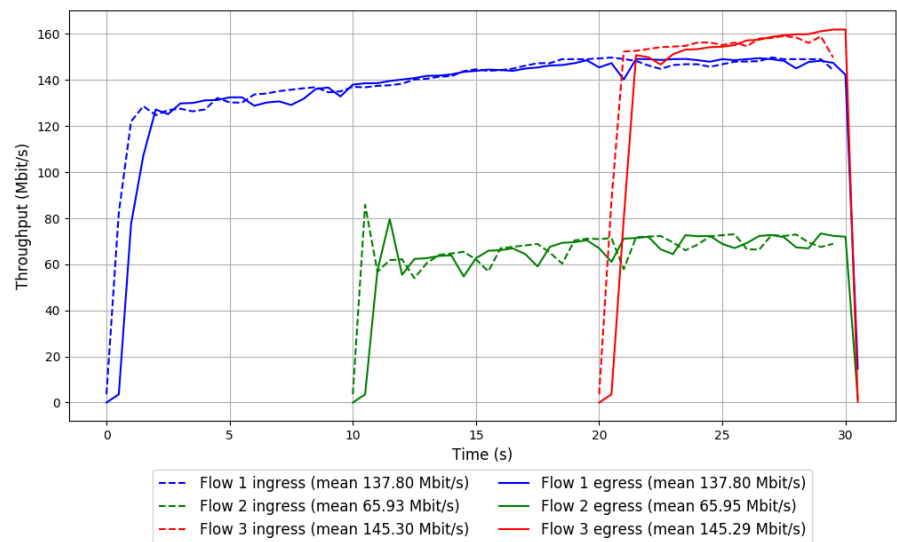


Run 9: Statistics of TCP Vegas

Start at: 2018-07-01 19:47:56
End at: 2018-07-01 19:48:26
Local clock offset: -0.405 ms
Remote clock offset: -1.338 ms

Below is generated by plot.py at 2018-07-01 22:38:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 229.93 Mbit/s
95th percentile per-packet one-way delay: 50.341 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 137.80 Mbit/s
95th percentile per-packet one-way delay: 50.095 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.95 Mbit/s
95th percentile per-packet one-way delay: 50.429 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 145.29 Mbit/s
95th percentile per-packet one-way delay: 50.987 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

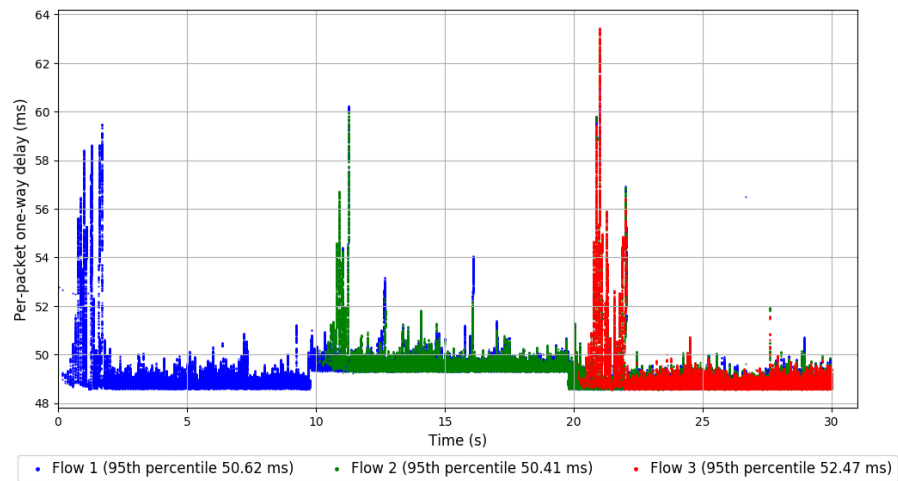
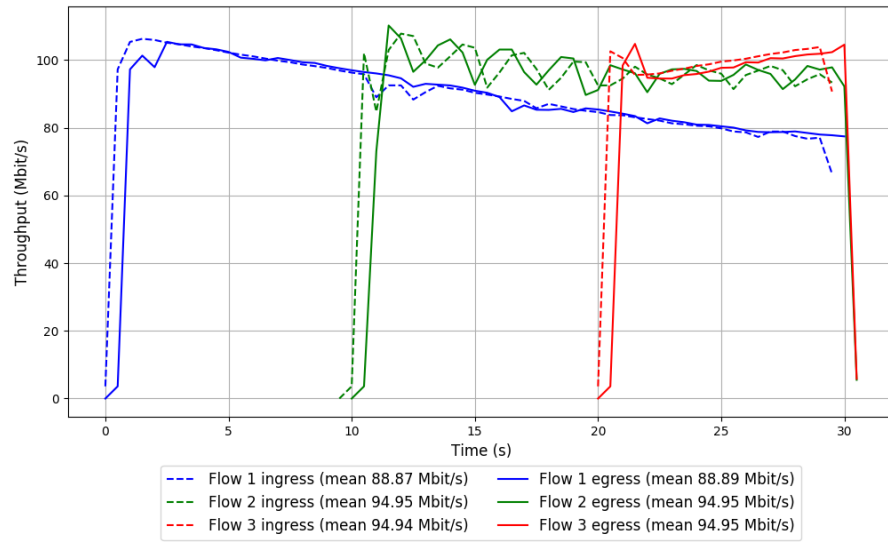


Run 10: Statistics of TCP Vegas

Start at: 2018-07-01 20:12:05
End at: 2018-07-01 20:12:35
Local clock offset: 0.18 ms
Remote clock offset: -1.335 ms

Below is generated by plot.py at 2018-07-01 22:38:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 183.69 Mbit/s
95th percentile per-packet one-way delay: 50.761 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.89 Mbit/s
95th percentile per-packet one-way delay: 50.615 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 94.95 Mbit/s
95th percentile per-packet one-way delay: 50.415 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 94.95 Mbit/s
95th percentile per-packet one-way delay: 52.472 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

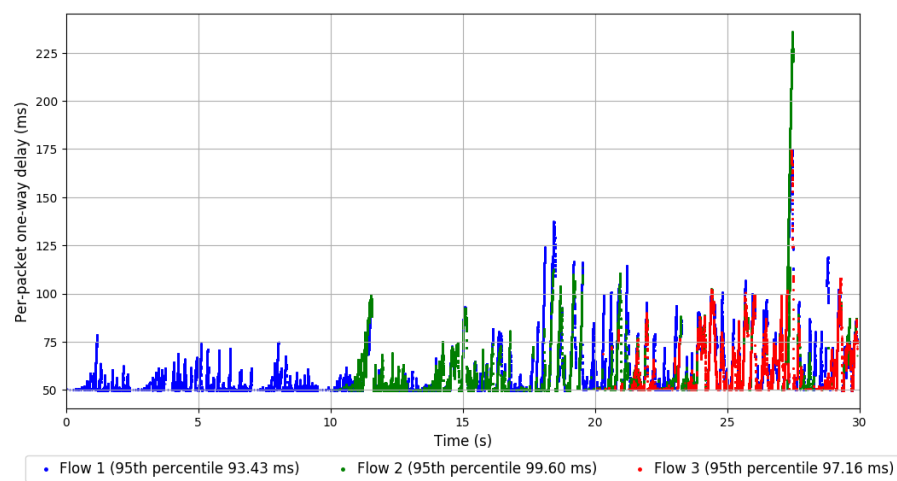
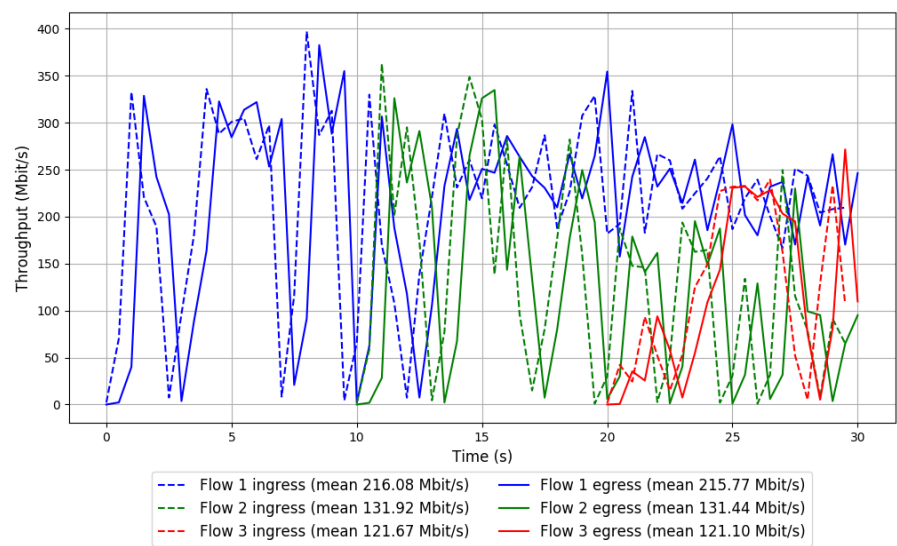


Run 1: Statistics of Verus

Start at: 2018-07-01 16:23:56
End at: 2018-07-01 16:24:26
Local clock offset: 0.308 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-07-01 22:40:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 343.00 Mbit/s
95th percentile per-packet one-way delay: 96.311 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 215.77 Mbit/s
95th percentile per-packet one-way delay: 93.426 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 131.44 Mbit/s
95th percentile per-packet one-way delay: 99.597 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 121.10 Mbit/s
95th percentile per-packet one-way delay: 97.161 ms
Loss rate: 0.47%

Run 1: Report of Verus — Data Link

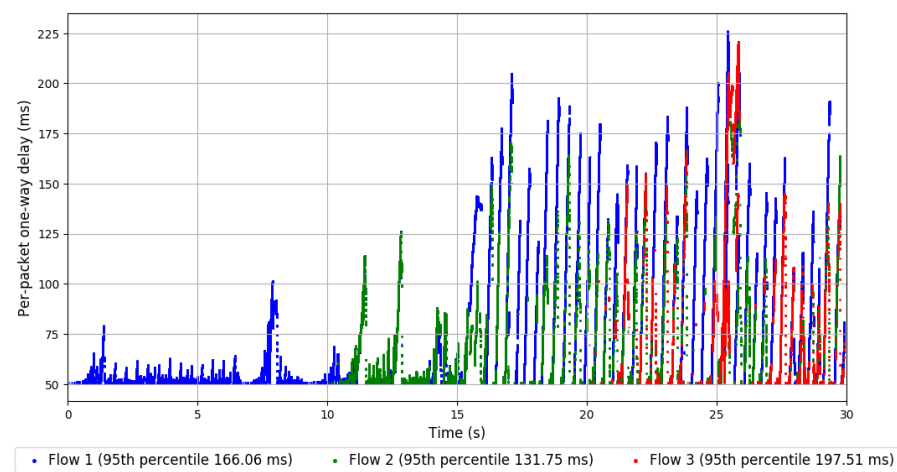
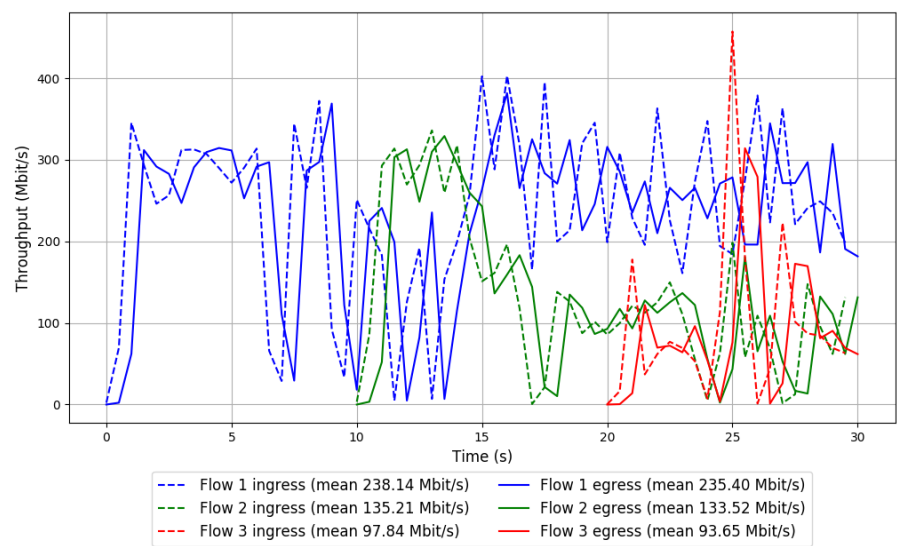


Run 2: Statistics of Verus

Start at: 2018-07-01 16:47:43
End at: 2018-07-01 16:48:13
Local clock offset: 0.018 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-07-01 22:42:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 354.19 Mbit/s
95th percentile per-packet one-way delay: 165.653 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 235.40 Mbit/s
95th percentile per-packet one-way delay: 166.063 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 133.52 Mbit/s
95th percentile per-packet one-way delay: 131.752 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 93.65 Mbit/s
95th percentile per-packet one-way delay: 197.509 ms
Loss rate: 4.49%

Run 2: Report of Verus — Data Link

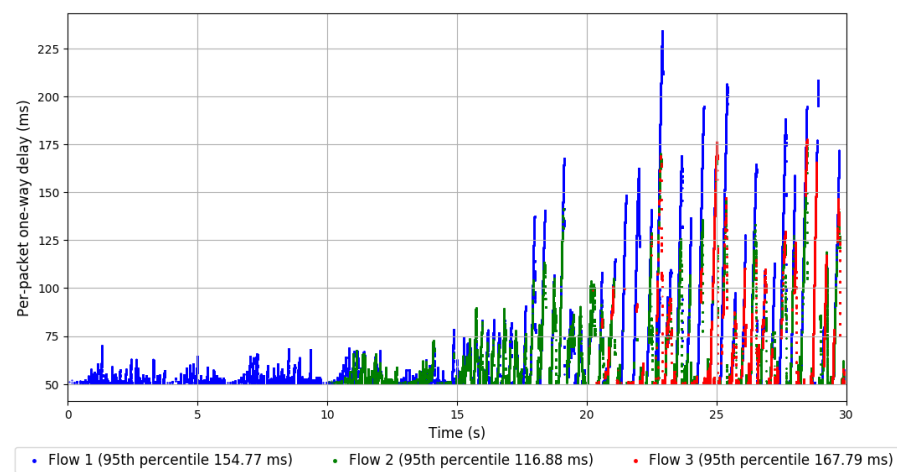
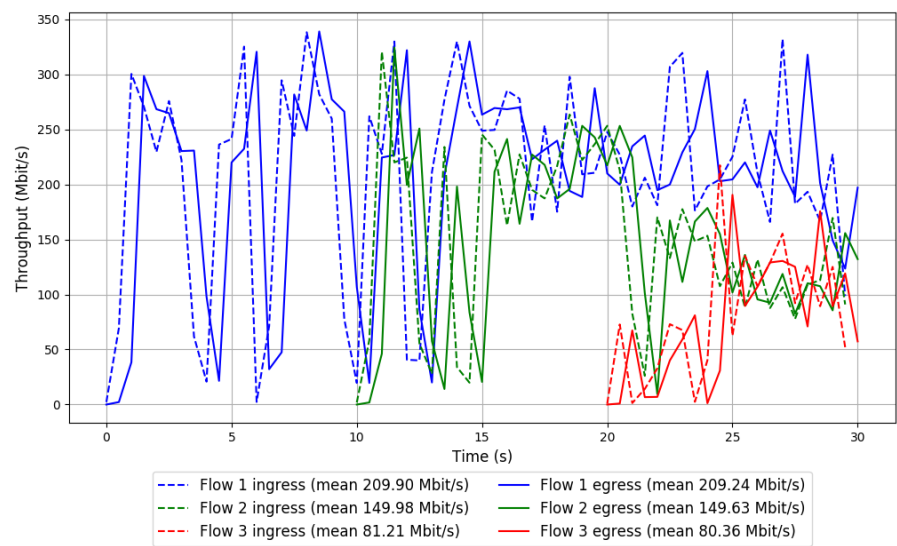


Run 3: Statistics of Verus

Start at: 2018-07-01 17:12:24
End at: 2018-07-01 17:12:54
Local clock offset: -0.052 ms
Remote clock offset: 0.256 ms

Below is generated by plot.py at 2018-07-01 22:42:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 335.13 Mbit/s
95th percentile per-packet one-way delay: 146.120 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 209.24 Mbit/s
95th percentile per-packet one-way delay: 154.771 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 149.63 Mbit/s
95th percentile per-packet one-way delay: 116.875 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 80.36 Mbit/s
95th percentile per-packet one-way delay: 167.793 ms
Loss rate: 1.19%

Run 3: Report of Verus — Data Link

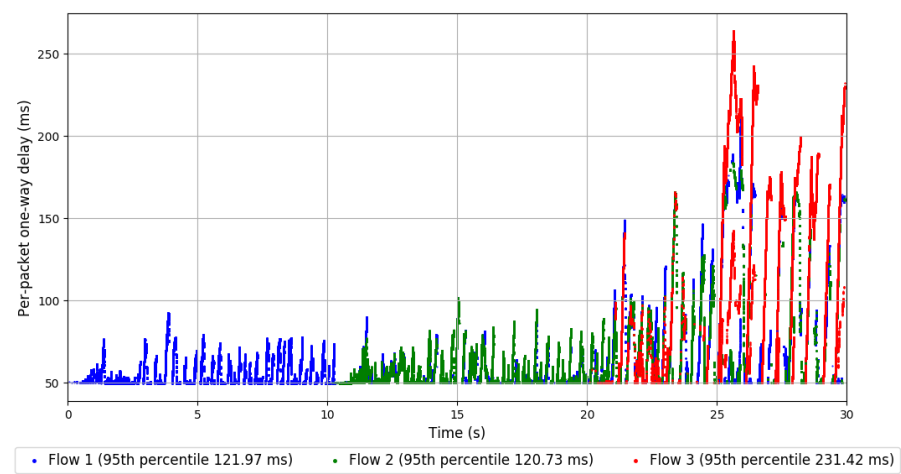
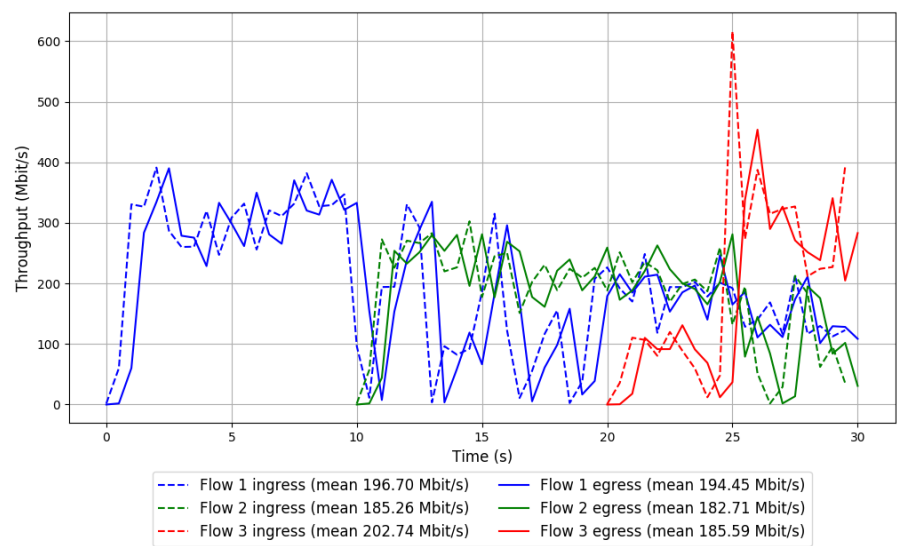


Run 4: Statistics of Verus

Start at: 2018-07-01 17:36:34
End at: 2018-07-01 17:37:04
Local clock offset: 0.163 ms
Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-01 22:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 377.00 Mbit/s
95th percentile per-packet one-way delay: 176.224 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 194.45 Mbit/s
95th percentile per-packet one-way delay: 121.970 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 182.71 Mbit/s
95th percentile per-packet one-way delay: 120.727 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 185.59 Mbit/s
95th percentile per-packet one-way delay: 231.418 ms
Loss rate: 7.86%

Run 4: Report of Verus — Data Link

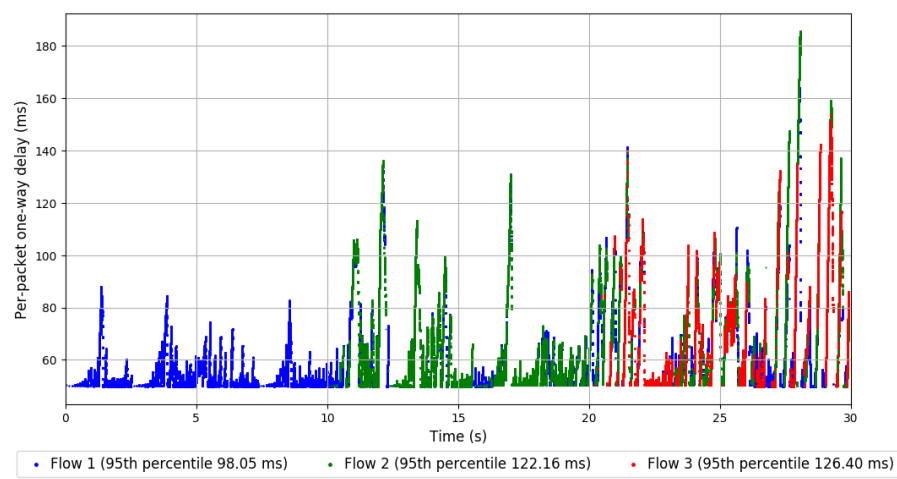
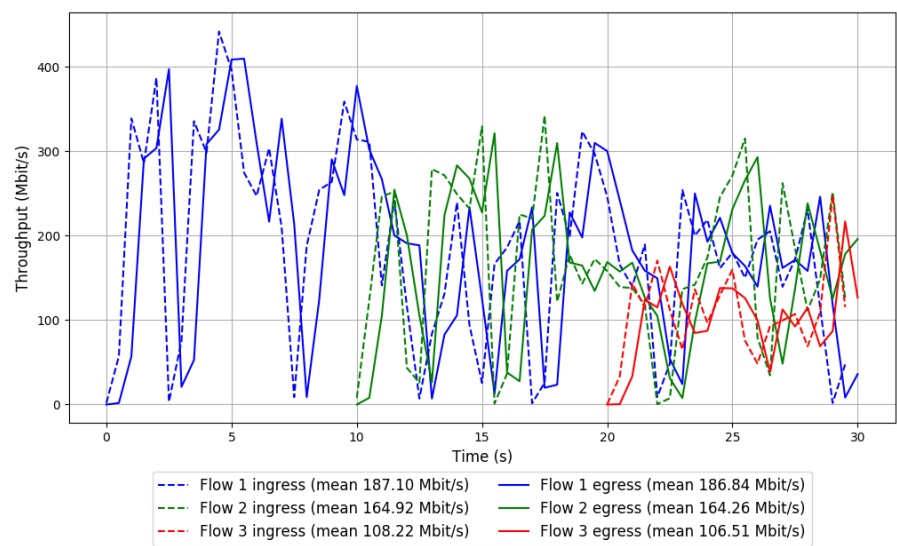


Run 5: Statistics of Verus

Start at: 2018-07-01 18:00:59
End at: 2018-07-01 18:01:29
Local clock offset: 0.191 ms
Remote clock offset: -0.288 ms

Below is generated by plot.py at 2018-07-01 22:43:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 330.95 Mbit/s
95th percentile per-packet one-way delay: 110.413 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 186.84 Mbit/s
95th percentile per-packet one-way delay: 98.050 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 164.26 Mbit/s
95th percentile per-packet one-way delay: 122.160 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 106.51 Mbit/s
95th percentile per-packet one-way delay: 126.399 ms
Loss rate: 1.99%

Run 5: Report of Verus — Data Link

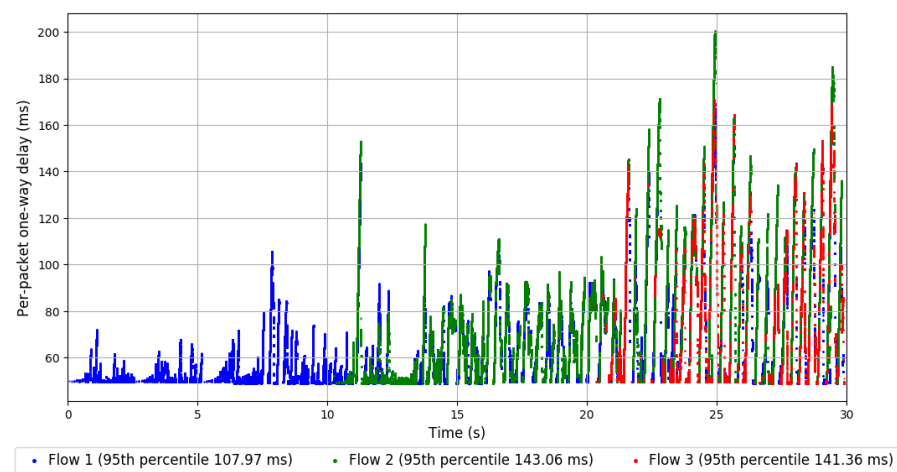
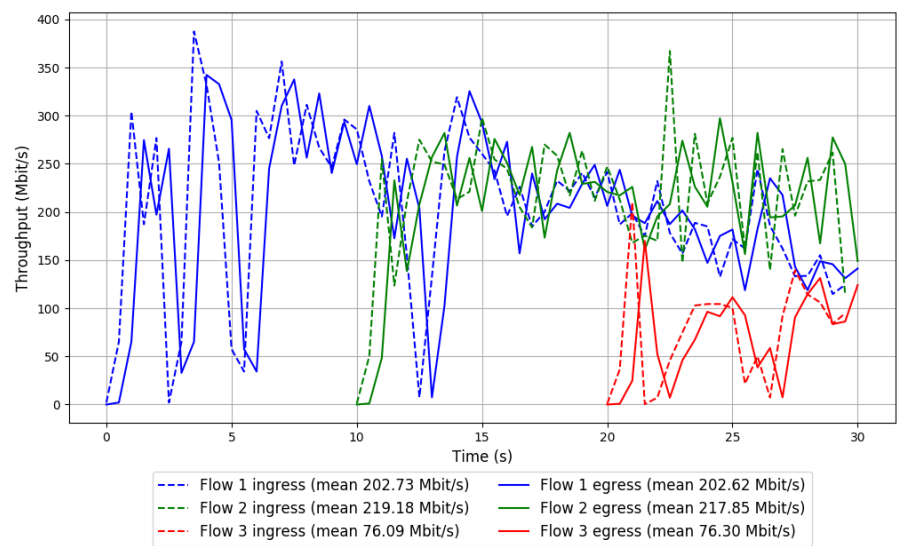


Run 6: Statistics of Verus

Start at: 2018-07-01 18:24:59
End at: 2018-07-01 18:25:29
Local clock offset: -0.027 ms
Remote clock offset: -1.349 ms

Below is generated by plot.py at 2018-07-01 22:44:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.70 Mbit/s
95th percentile per-packet one-way delay: 130.215 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 202.62 Mbit/s
95th percentile per-packet one-way delay: 107.968 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 217.85 Mbit/s
95th percentile per-packet one-way delay: 143.062 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 76.30 Mbit/s
95th percentile per-packet one-way delay: 141.357 ms
Loss rate: 0.10%

Run 6: Report of Verus — Data Link

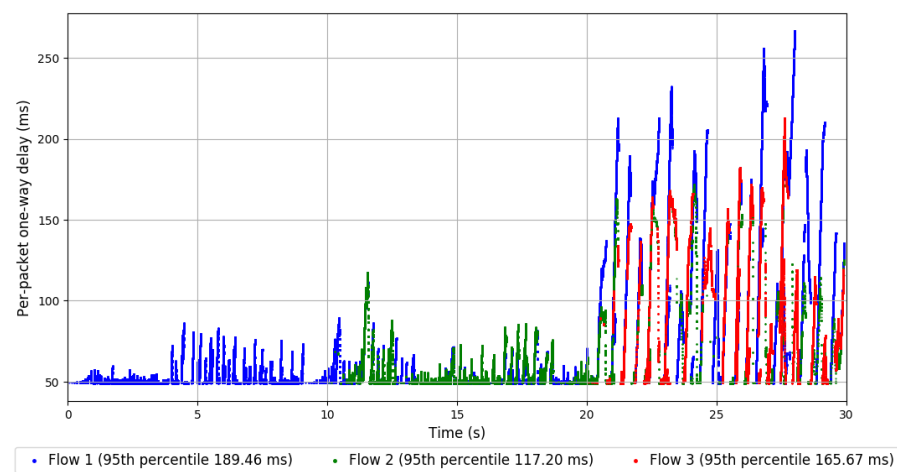
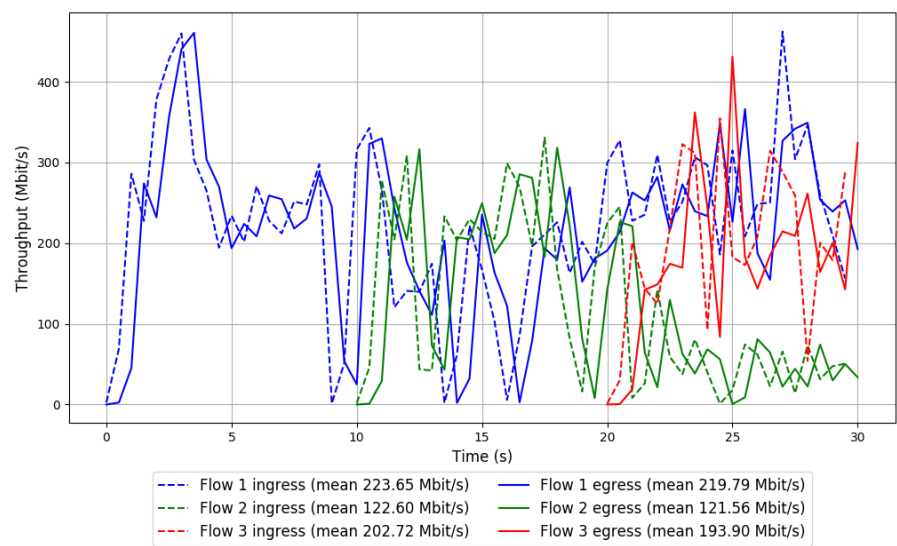


Run 7: Statistics of Verus

Start at: 2018-07-01 18:48:41
End at: 2018-07-01 18:49:11
Local clock offset: 0.254 ms
Remote clock offset: -1.051 ms

Below is generated by plot.py at 2018-07-01 22:44:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 364.28 Mbit/s
95th percentile per-packet one-way delay: 177.064 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 219.79 Mbit/s
95th percentile per-packet one-way delay: 189.463 ms
Loss rate: 1.72%
-- Flow 2:
Average throughput: 121.56 Mbit/s
95th percentile per-packet one-way delay: 117.198 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 193.90 Mbit/s
95th percentile per-packet one-way delay: 165.674 ms
Loss rate: 3.67%

Run 7: Report of Verus — Data Link

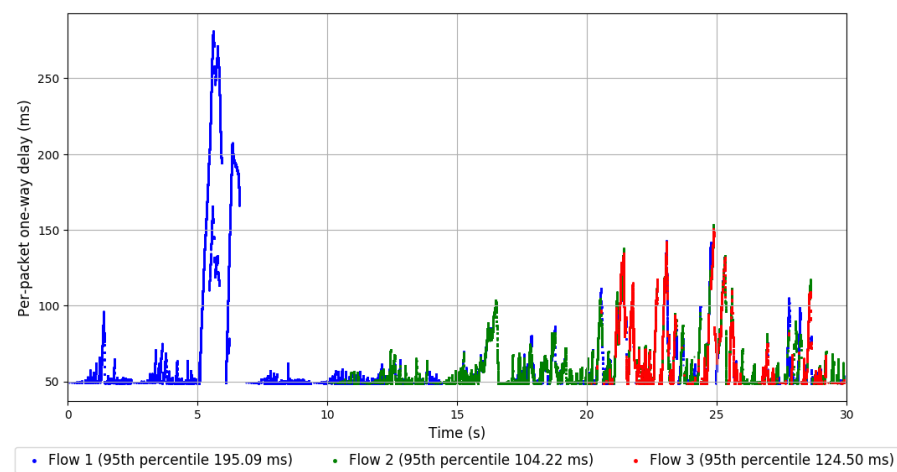
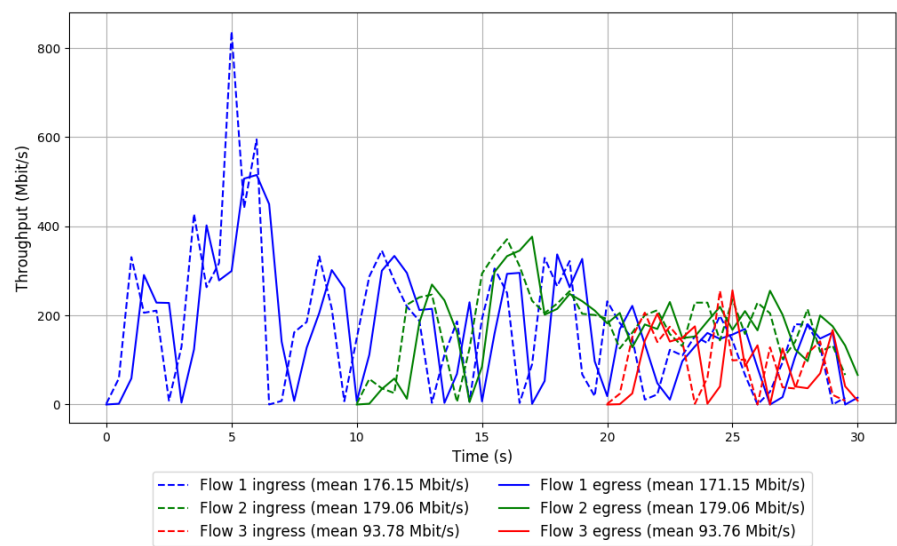


Run 8: Statistics of Verus

Start at: 2018-07-01 19:12:39
End at: 2018-07-01 19:13:09
Local clock offset: -0.063 ms
Remote clock offset: -1.306 ms

Below is generated by plot.py at 2018-07-01 22:44:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 321.07 Mbit/s
95th percentile per-packet one-way delay: 154.113 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 171.15 Mbit/s
95th percentile per-packet one-way delay: 195.089 ms
Loss rate: 2.84%
-- Flow 2:
Average throughput: 179.06 Mbit/s
95th percentile per-packet one-way delay: 104.220 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 93.76 Mbit/s
95th percentile per-packet one-way delay: 124.498 ms
Loss rate: 0.00%

Run 8: Report of Verus — Data Link

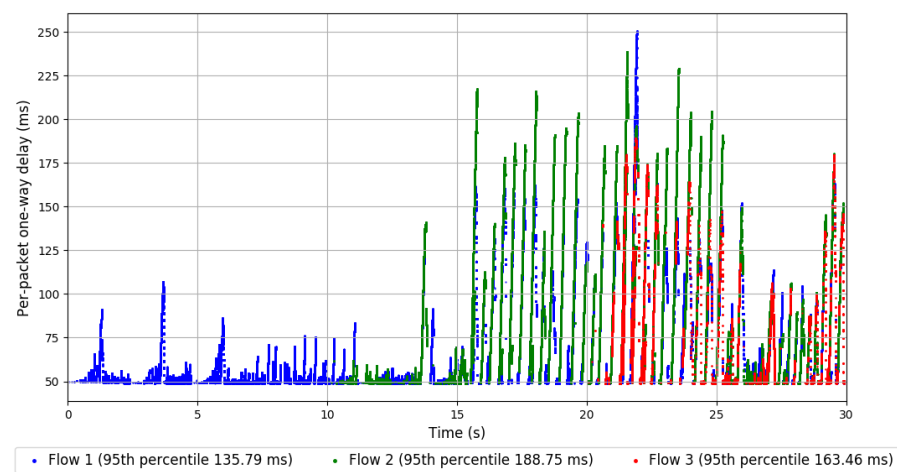
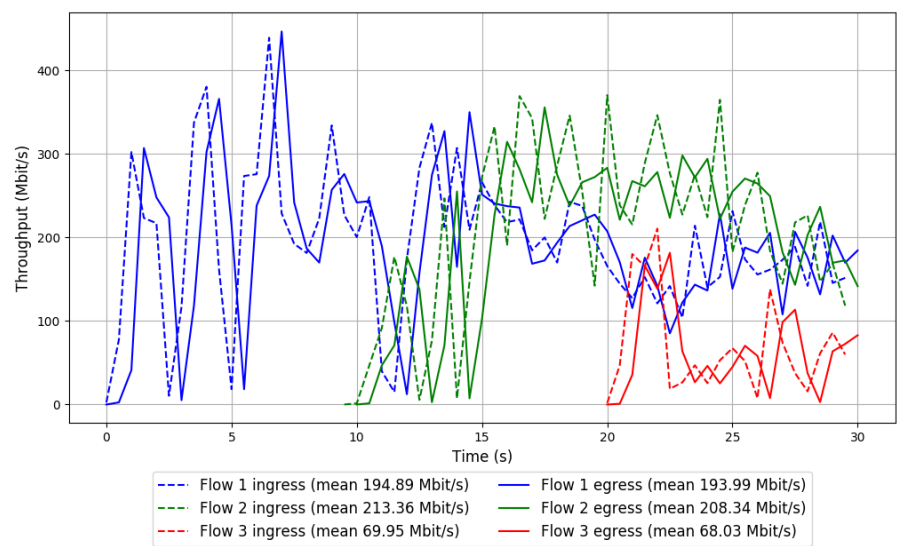


Run 9: Statistics of Verus

Start at: 2018-07-01 19:36:43
End at: 2018-07-01 19:37:13
Local clock offset: -0.121 ms
Remote clock offset: -1.201 ms

Below is generated by plot.py at 2018-07-01 22:47:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 354.71 Mbit/s
95th percentile per-packet one-way delay: 171.666 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 193.99 Mbit/s
95th percentile per-packet one-way delay: 135.786 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 208.34 Mbit/s
95th percentile per-packet one-way delay: 188.748 ms
Loss rate: 1.85%
-- Flow 3:
Average throughput: 68.03 Mbit/s
95th percentile per-packet one-way delay: 163.460 ms
Loss rate: 2.73%

Run 9: Report of Verus — Data Link

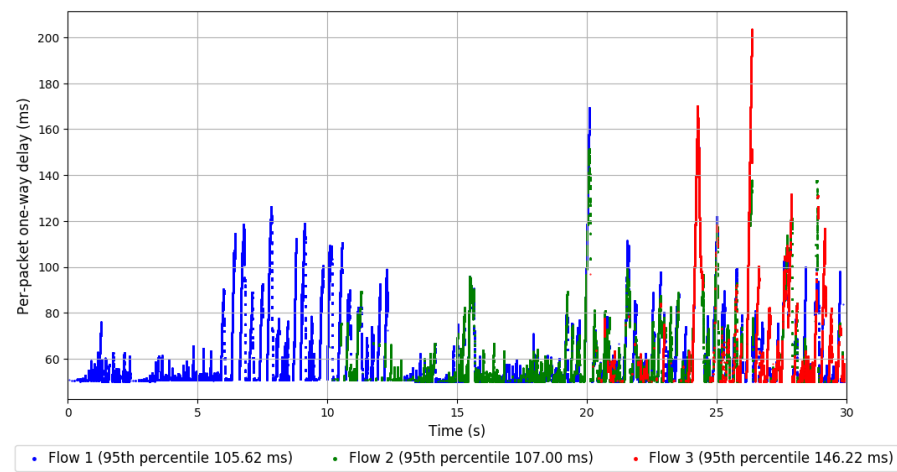
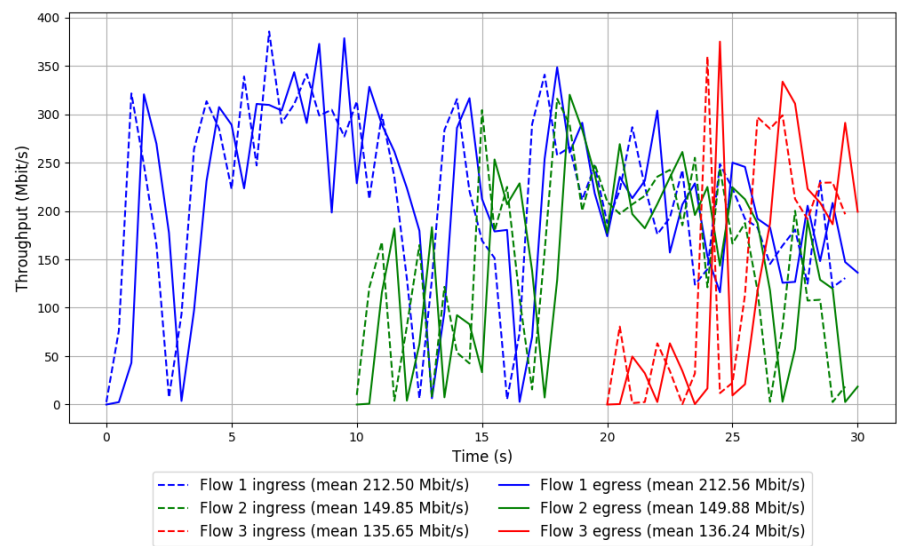


Run 10: Statistics of Verus

Start at: 2018-07-01 20:00:42
End at: 2018-07-01 20:01:12
Local clock offset: -0.255 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-01 22:48:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 356.35 Mbit/s
95th percentile per-packet one-way delay: 109.412 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.56 Mbit/s
95th percentile per-packet one-way delay: 105.624 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 149.88 Mbit/s
95th percentile per-packet one-way delay: 107.000 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 136.24 Mbit/s
95th percentile per-packet one-way delay: 146.218 ms
Loss rate: 0.00%

Run 10: Report of Verus — Data Link

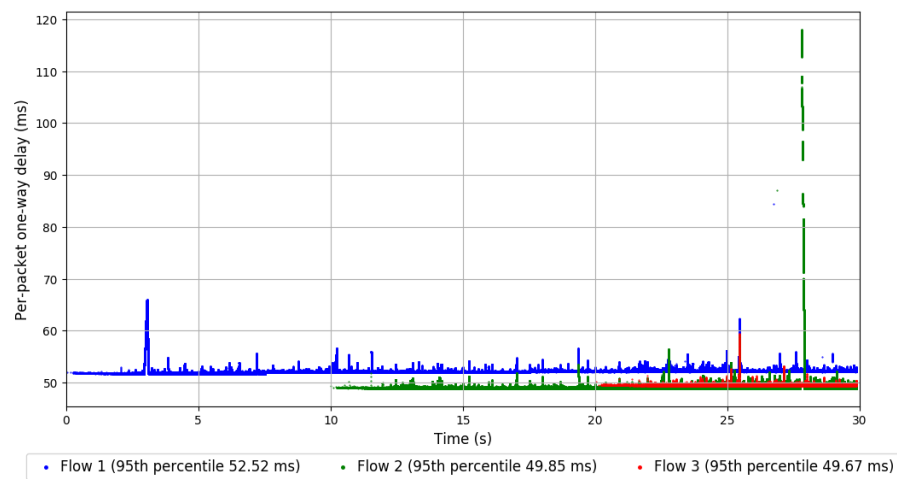
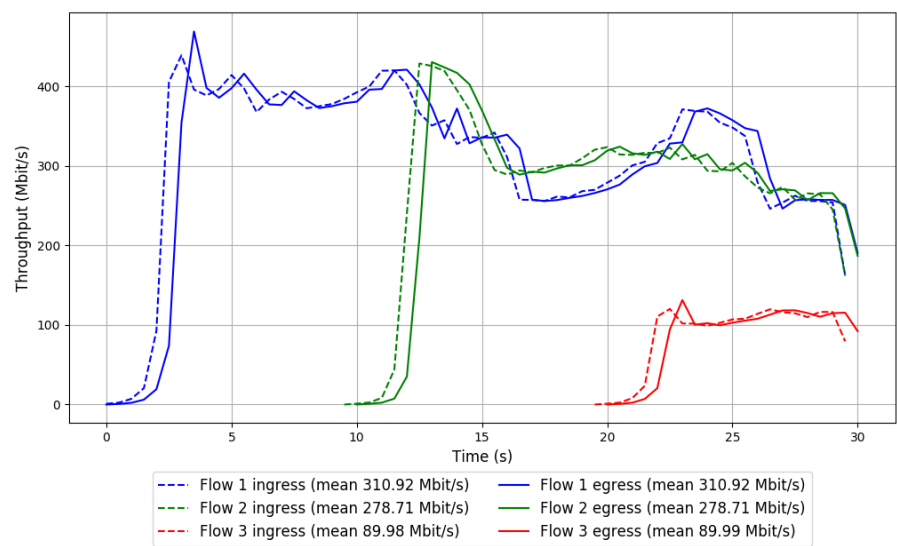


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-01 16:27:47
End at: 2018-07-01 16:28:17
Local clock offset: 0.073 ms
Remote clock offset: -1.212 ms

Below is generated by plot.py at 2018-07-01 22:52:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 526.31 Mbit/s
95th percentile per-packet one-way delay: 52.306 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 310.92 Mbit/s
95th percentile per-packet one-way delay: 52.525 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 278.71 Mbit/s
95th percentile per-packet one-way delay: 49.853 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 89.99 Mbit/s
95th percentile per-packet one-way delay: 49.668 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

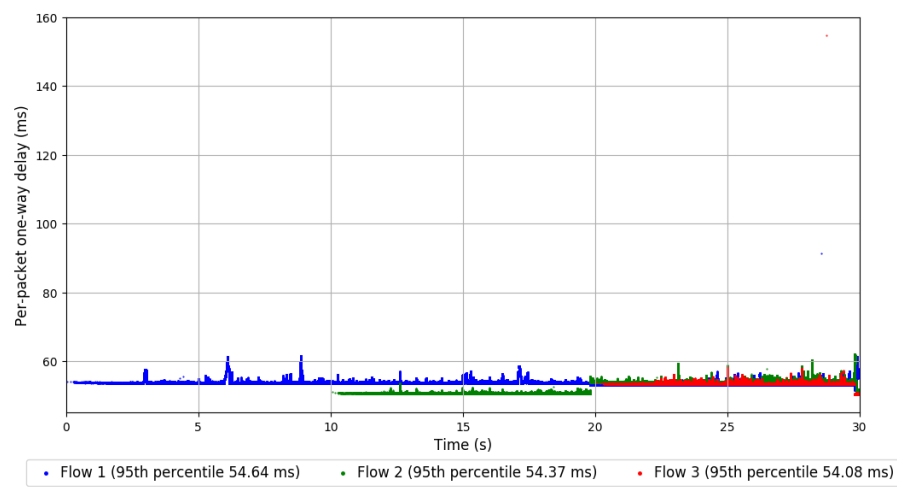
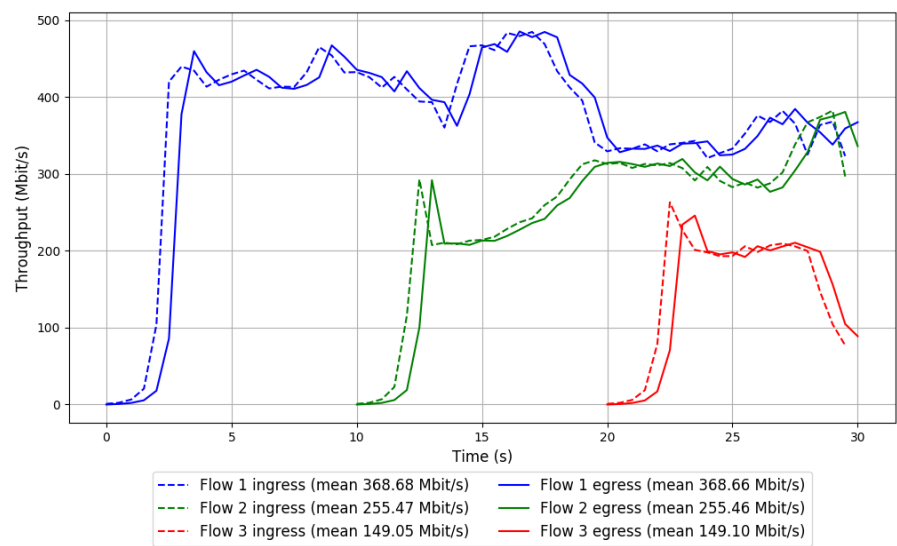


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-01 16:51:35
End at: 2018-07-01 16:52:05
Local clock offset: -0.144 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-01 22:53:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 587.69 Mbit/s
95th percentile per-packet one-way delay: 54.462 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 368.66 Mbit/s
95th percentile per-packet one-way delay: 54.642 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 255.46 Mbit/s
95th percentile per-packet one-way delay: 54.368 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 149.10 Mbit/s
95th percentile per-packet one-way delay: 54.077 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-01 17:16:16

End at: 2018-07-01 17:16:46

Local clock offset: 0.043 ms

Remote clock offset: 1.454 ms

Below is generated by plot.py at 2018-07-01 22:53:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 524.51 Mbit/s

95th percentile per-packet one-way delay: 55.246 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 305.29 Mbit/s

95th percentile per-packet one-way delay: 54.849 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 232.54 Mbit/s

95th percentile per-packet one-way delay: 55.553 ms

Loss rate: 0.01%

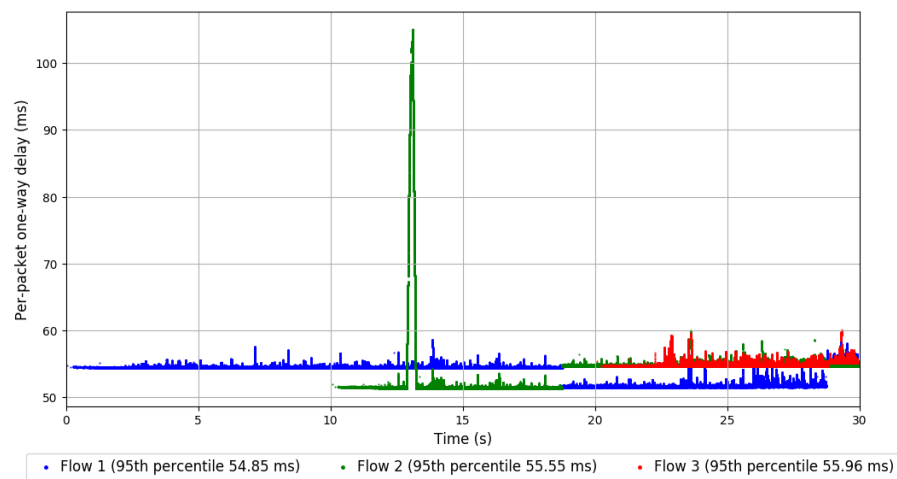
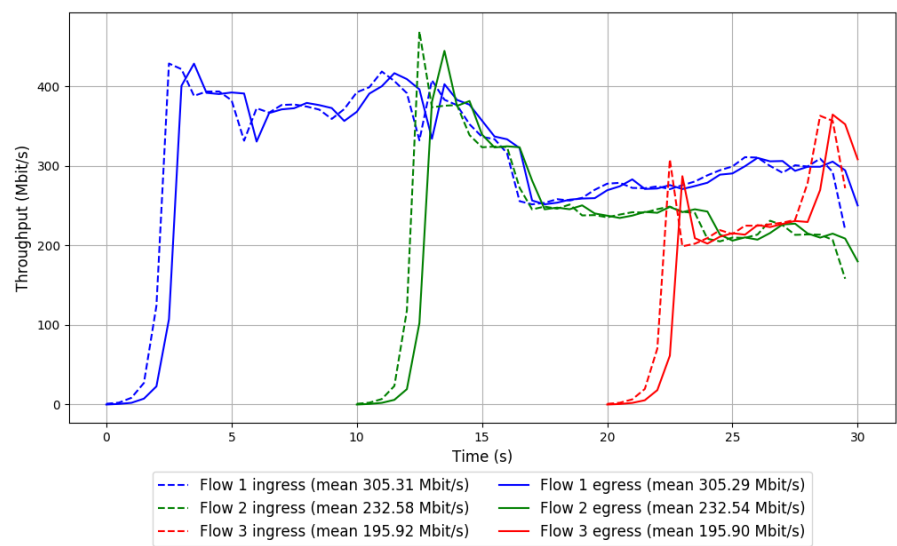
-- Flow 3:

Average throughput: 195.90 Mbit/s

95th percentile per-packet one-way delay: 55.956 ms

Loss rate: 0.04%

Run 3: Report of PCC-Vivace — Data Link

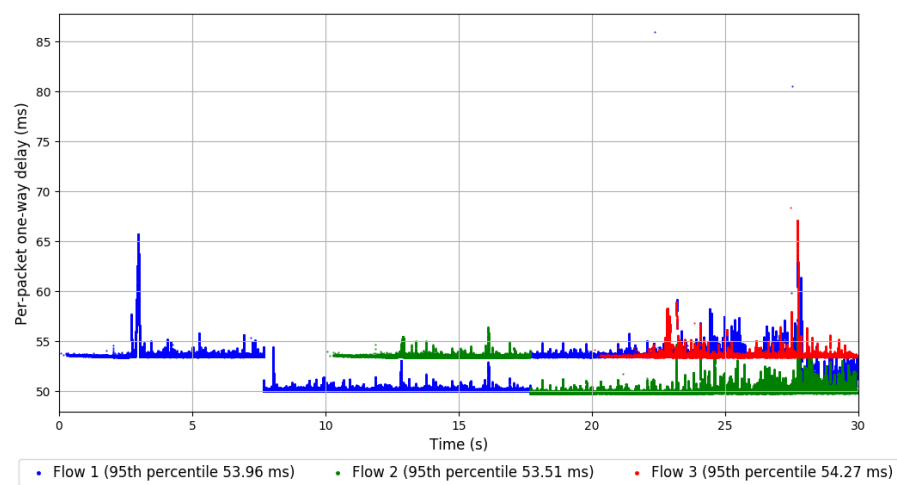
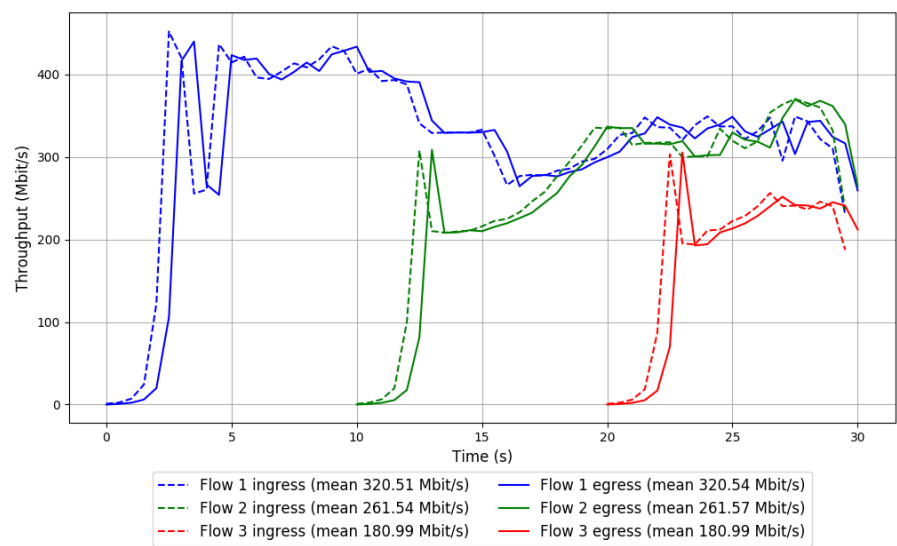


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-01 17:40:27
End at: 2018-07-01 17:40:57
Local clock offset: 0.038 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-07-01 22:54:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 554.11 Mbit/s
95th percentile per-packet one-way delay: 53.784 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 320.54 Mbit/s
95th percentile per-packet one-way delay: 53.964 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 261.57 Mbit/s
95th percentile per-packet one-way delay: 53.507 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 180.99 Mbit/s
95th percentile per-packet one-way delay: 54.274 ms
Loss rate: 0.04%

Run 4: Report of PCC-Vivace — Data Link

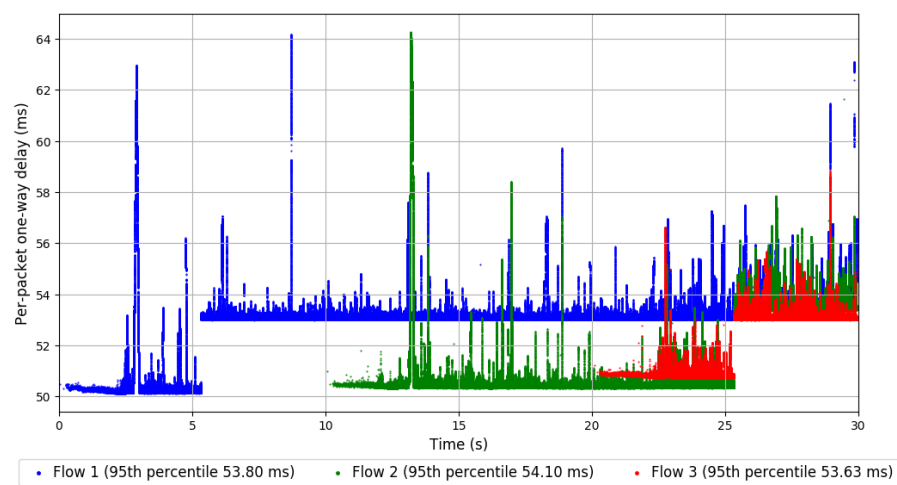
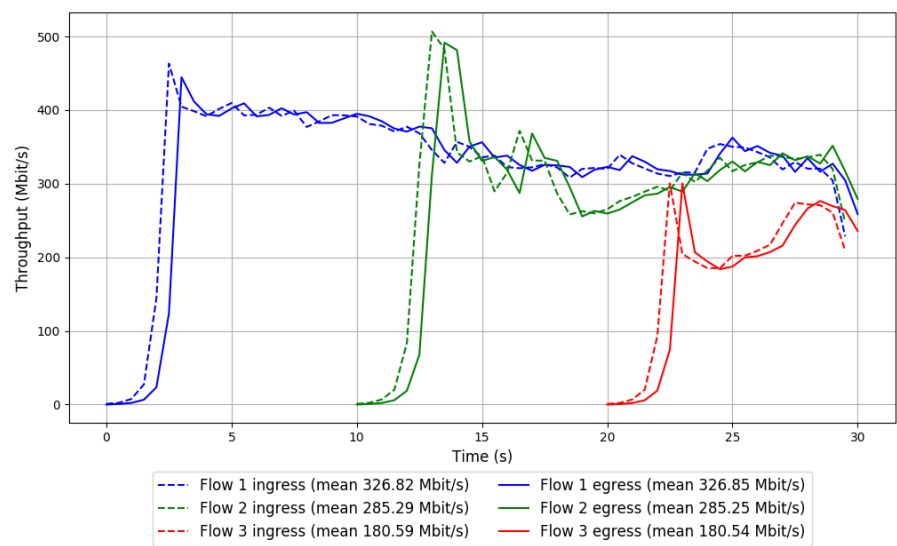


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-01 18:04:50
End at: 2018-07-01 18:05:20
Local clock offset: -0.062 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-07-01 22:55:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 575.99 Mbit/s
95th percentile per-packet one-way delay: 53.889 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 326.85 Mbit/s
95th percentile per-packet one-way delay: 53.805 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 285.25 Mbit/s
95th percentile per-packet one-way delay: 54.096 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 180.54 Mbit/s
95th percentile per-packet one-way delay: 53.633 ms
Loss rate: 0.03%

Run 5: Report of PCC-Vivace — Data Link

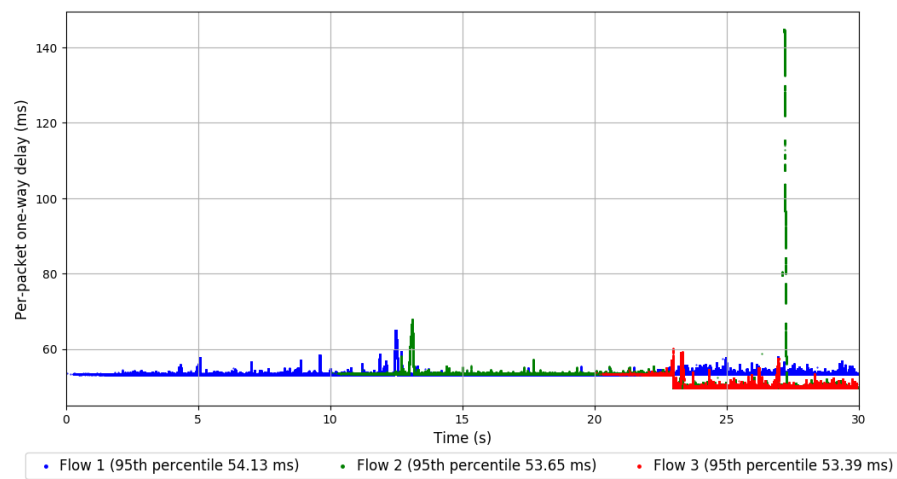
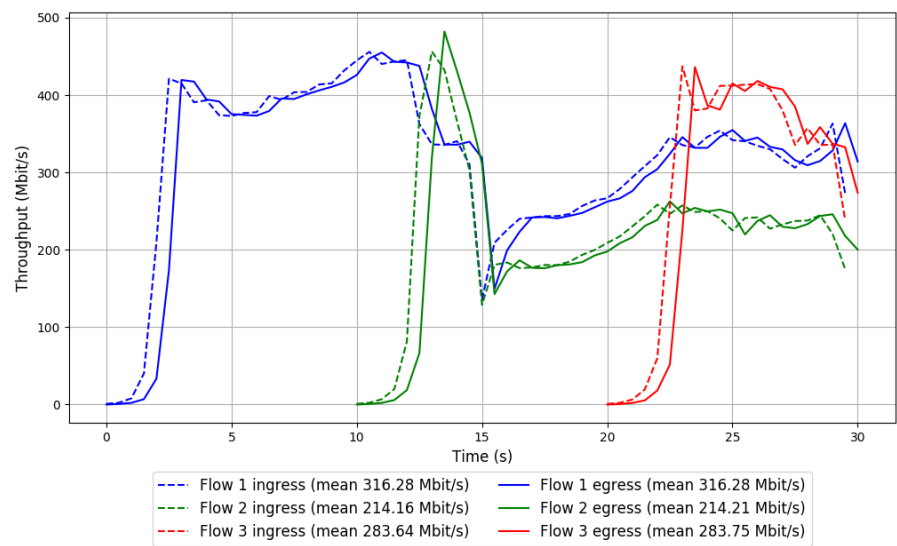


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-01 18:28:52
End at: 2018-07-01 18:29:22
Local clock offset: 0.313 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-07-01 22:55:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 552.17 Mbit/s
95th percentile per-packet one-way delay: 53.980 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 316.28 Mbit/s
95th percentile per-packet one-way delay: 54.127 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 214.21 Mbit/s
95th percentile per-packet one-way delay: 53.648 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 283.75 Mbit/s
95th percentile per-packet one-way delay: 53.386 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-01 18:52:35

End at: 2018-07-01 18:53:05

Local clock offset: 0.164 ms

Remote clock offset: 1.247 ms

Below is generated by plot.py at 2018-07-01 22:55:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 492.55 Mbit/s

95th percentile per-packet one-way delay: 55.044 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 272.17 Mbit/s

95th percentile per-packet one-way delay: 54.911 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 261.45 Mbit/s

95th percentile per-packet one-way delay: 55.356 ms

Loss rate: 0.01%

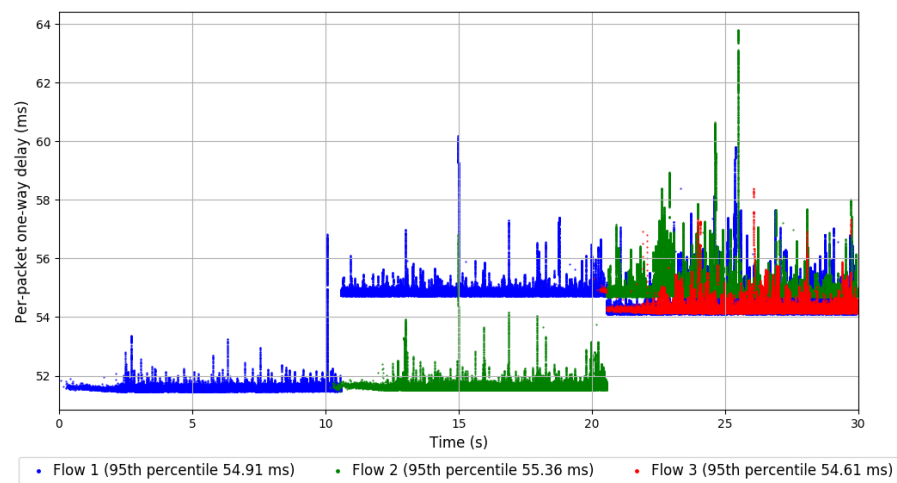
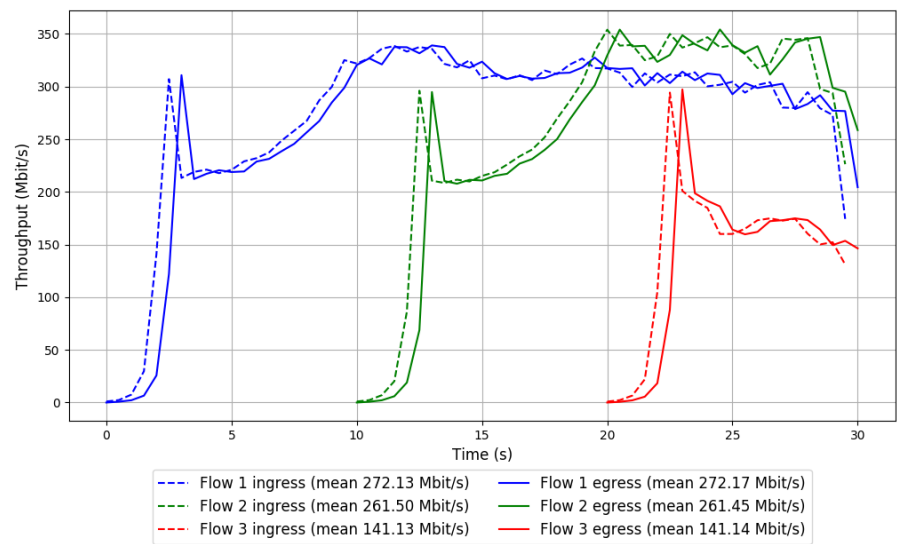
-- Flow 3:

Average throughput: 141.14 Mbit/s

95th percentile per-packet one-way delay: 54.611 ms

Loss rate: 0.02%

Run 7: Report of PCC-Vivace — Data Link

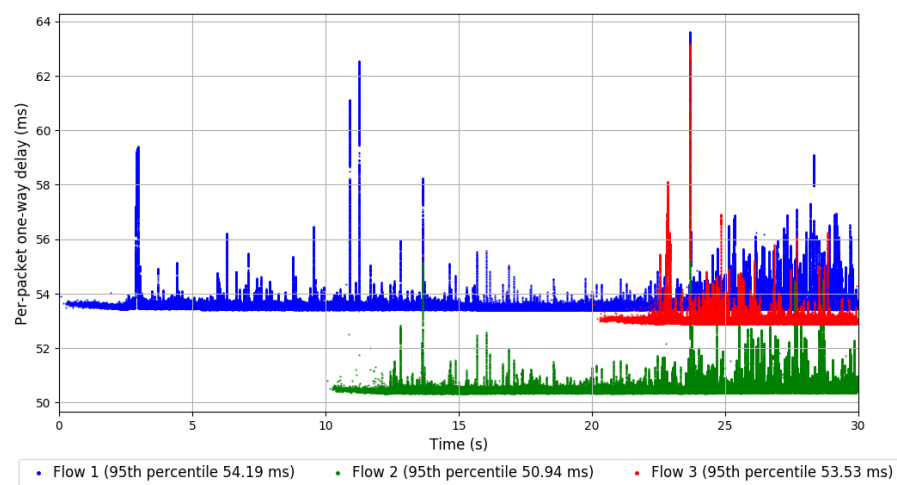
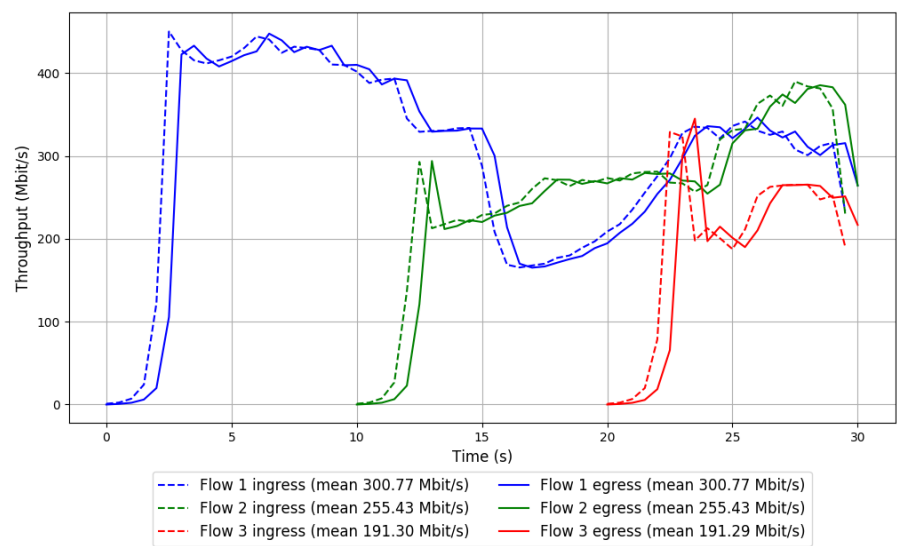


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-01 19:16:30
End at: 2018-07-01 19:17:00
Local clock offset: -0.111 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-07-01 22:56:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 533.73 Mbit/s
95th percentile per-packet one-way delay: 53.821 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 300.77 Mbit/s
95th percentile per-packet one-way delay: 54.194 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 255.43 Mbit/s
95th percentile per-packet one-way delay: 50.942 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 191.29 Mbit/s
95th percentile per-packet one-way delay: 53.529 ms
Loss rate: 0.01%

Run 8: Report of PCC-Vivace — Data Link

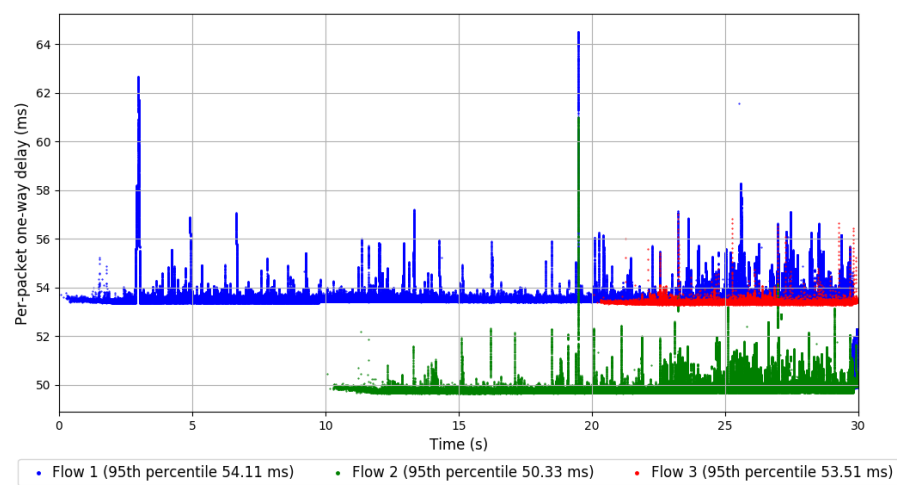
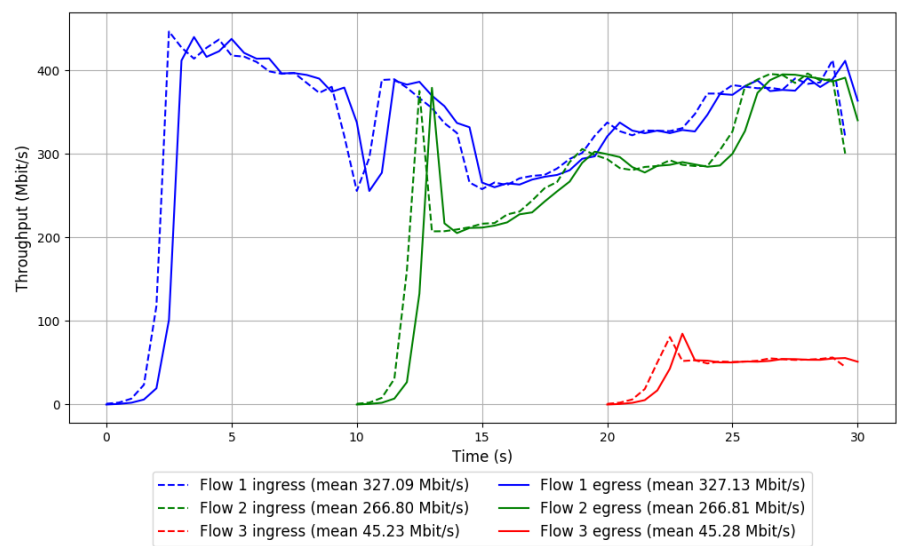


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-01 19:40:35
End at: 2018-07-01 19:41:05
Local clock offset: -0.092 ms
Remote clock offset: -0.211 ms

Below is generated by plot.py at 2018-07-01 22:57:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 519.41 Mbit/s
95th percentile per-packet one-way delay: 53.787 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 327.13 Mbit/s
95th percentile per-packet one-way delay: 54.107 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 266.81 Mbit/s
95th percentile per-packet one-way delay: 50.334 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.28 Mbit/s
95th percentile per-packet one-way delay: 53.505 ms
Loss rate: 0.02%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-01 20:04:34

End at: 2018-07-01 20:05:04

Local clock offset: -0.164 ms

Remote clock offset: 0.997 ms

Below is generated by plot.py at 2018-07-01 22:57:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 534.39 Mbit/s

95th percentile per-packet one-way delay: 54.437 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 288.48 Mbit/s

95th percentile per-packet one-way delay: 54.477 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 275.73 Mbit/s

95th percentile per-packet one-way delay: 52.305 ms

Loss rate: 0.00%

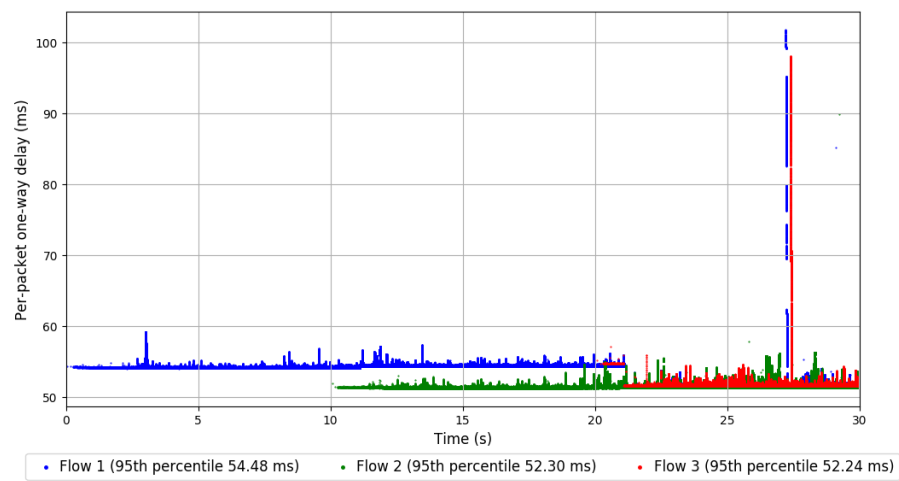
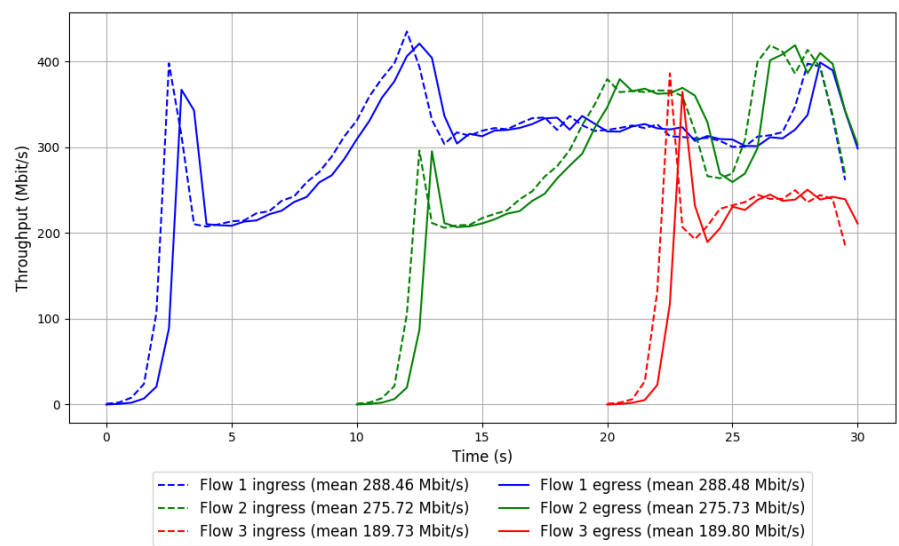
-- Flow 3:

Average throughput: 189.80 Mbit/s

95th percentile per-packet one-way delay: 52.244 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-01 16:25:28

End at: 2018-07-01 16:25:58

Local clock offset: 0.004 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-01 22:57:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.24 Mbit/s

95th percentile per-packet one-way delay: 53.504 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 53.511 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.47 Mbit/s

95th percentile per-packet one-way delay: 50.601 ms

Loss rate: 0.00%

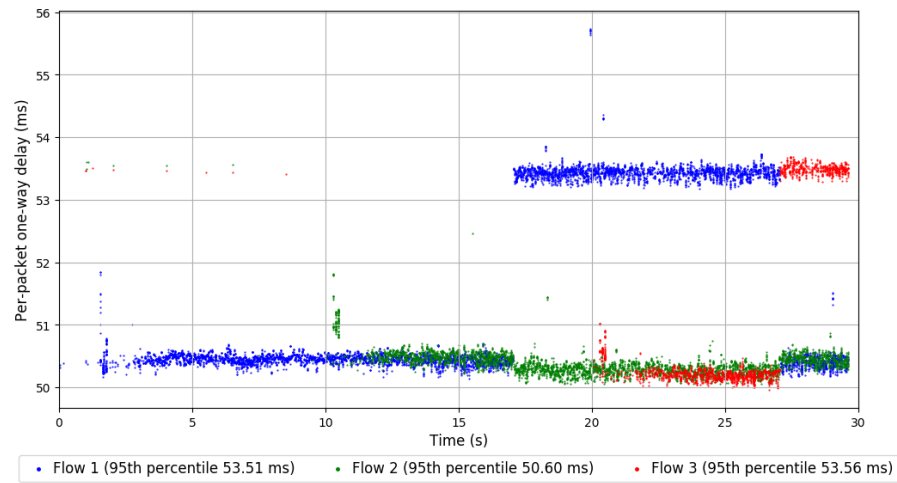
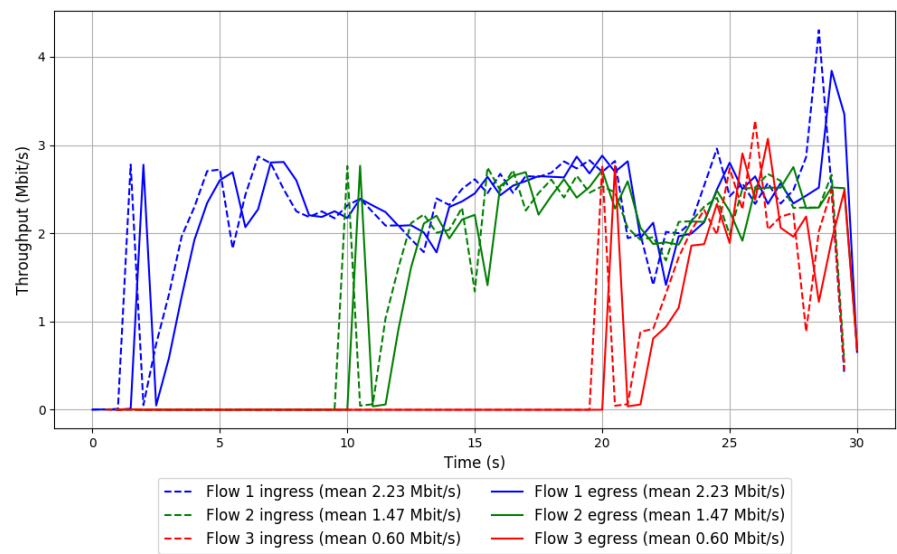
-- Flow 3:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 53.560 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

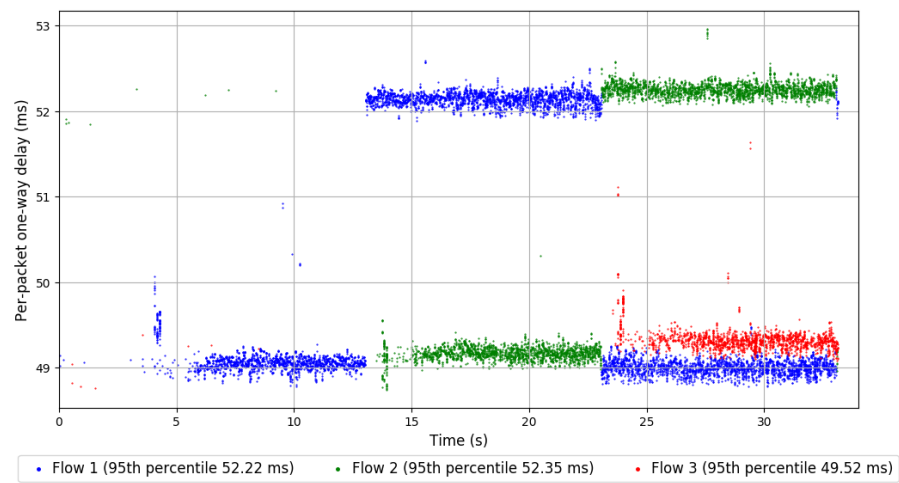
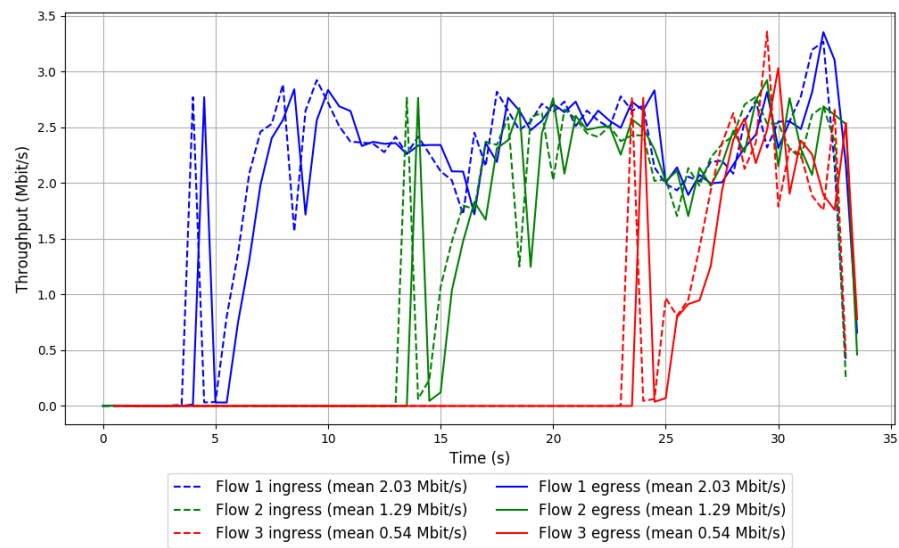


Run 2: Statistics of WebRTC media

Start at: 2018-07-01 16:49:15
End at: 2018-07-01 16:49:45
Local clock offset: 0.065 ms
Remote clock offset: -1.379 ms

Below is generated by plot.py at 2018-07-01 22:57:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 52.295 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 52.218 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 52.347 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 49.523 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

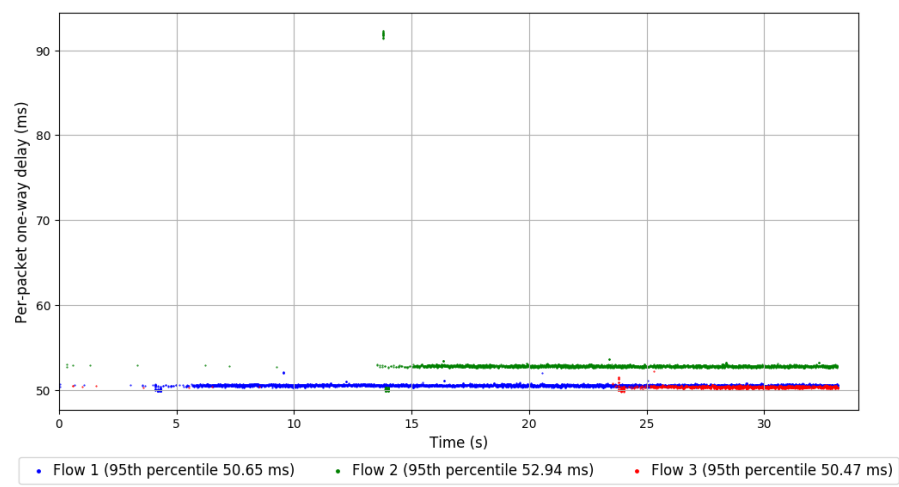
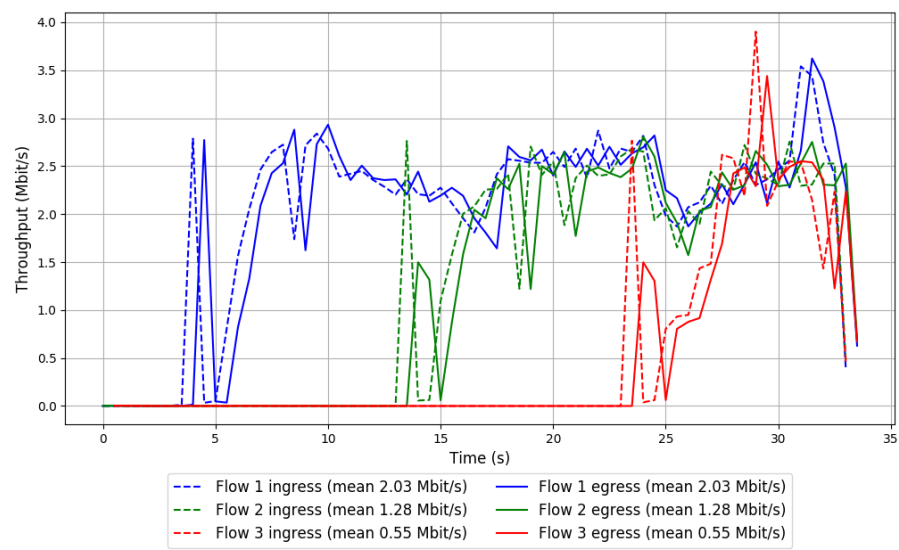


Run 3: Statistics of WebRTC media

Start at: 2018-07-01 17:13:56
End at: 2018-07-01 17:14:26
Local clock offset: 0.021 ms
Remote clock offset: -0.385 ms

Below is generated by plot.py at 2018-07-01 22:57:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 52.879 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 50.649 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 52.938 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 50.466 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-01 17:38:08

End at: 2018-07-01 17:38:38

Local clock offset: -0.119 ms

Remote clock offset: 1.118 ms

Below is generated by plot.py at 2018-07-01 22:57:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.82 Mbit/s

95th percentile per-packet one-way delay: 55.202 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 55.126 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 55.250 ms

Loss rate: 0.00%

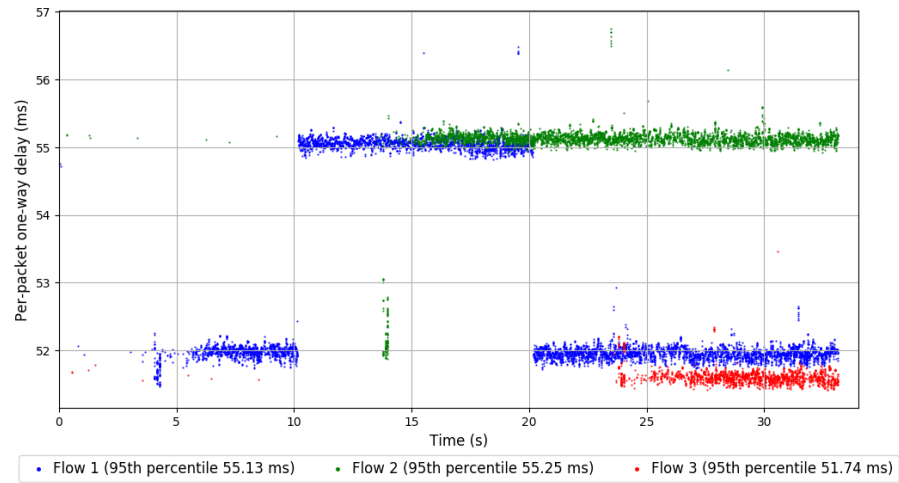
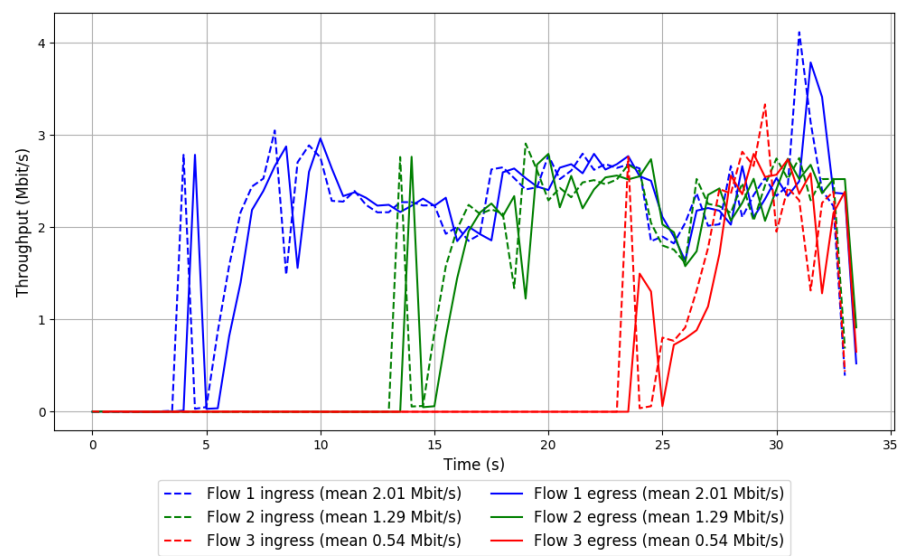
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 51.741 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-01 18:02:30

End at: 2018-07-01 18:03:00

Local clock offset: 0.285 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-07-01 22:57:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.82 Mbit/s

95th percentile per-packet one-way delay: 53.748 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 53.759 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.28 Mbit/s

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

Loss rate: 0.00%

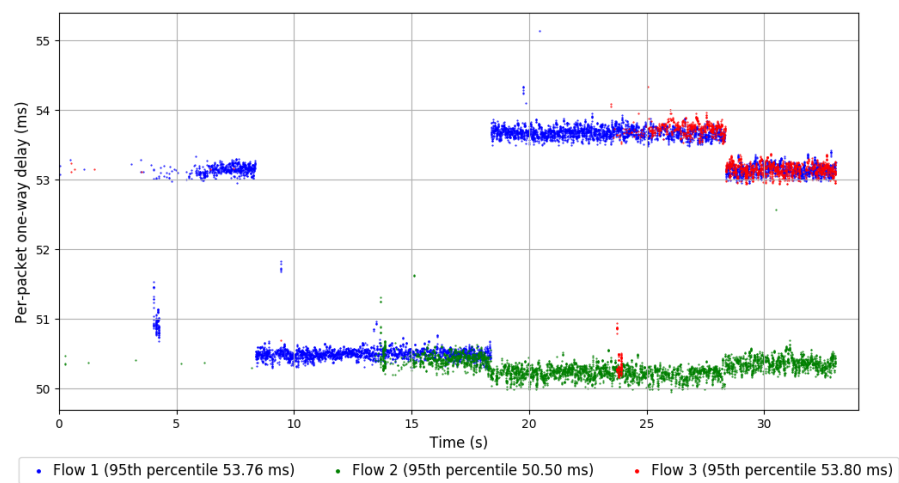
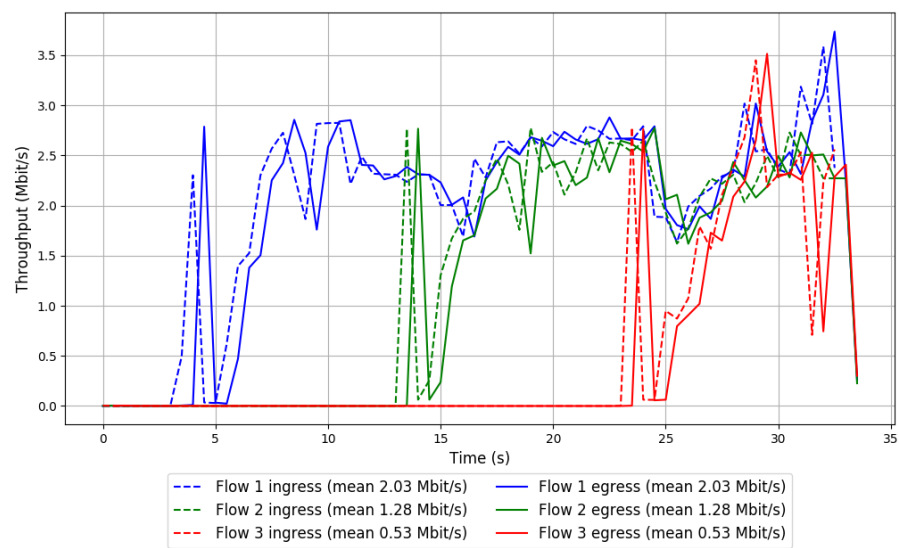
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 53.803 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-01 18:26:32

End at: 2018-07-01 18:27:02

Local clock offset: -0.095 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-01 22:57:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.84 Mbit/s

95th percentile per-packet one-way delay: 54.196 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 50.728 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 54.262 ms

Loss rate: 0.00%

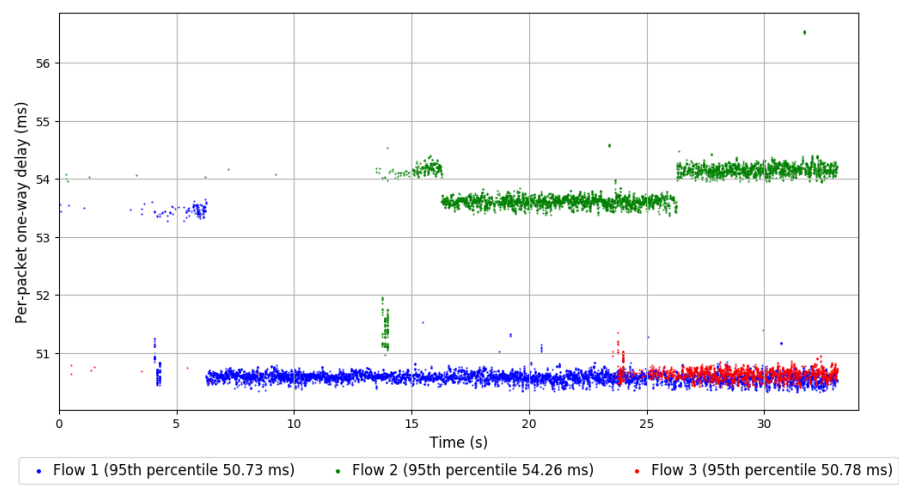
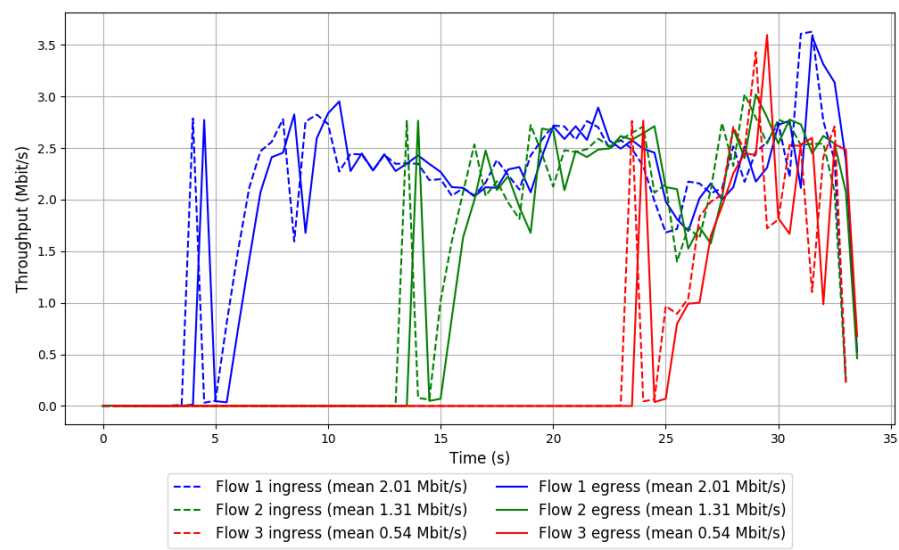
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 50.785 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-01 18:50:14

End at: 2018-07-01 18:50:44

Local clock offset: 0.31 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-07-01 22:57:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 53.577 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 50.641 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 53.634 ms

Loss rate: 0.00%

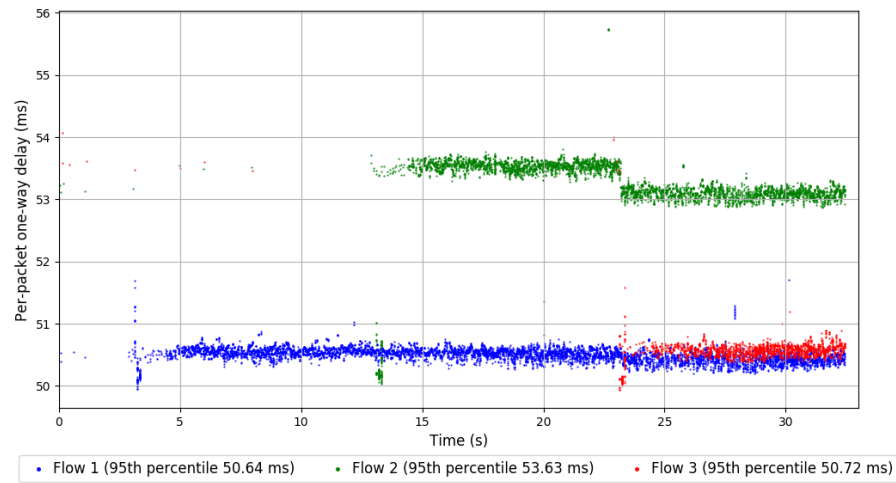
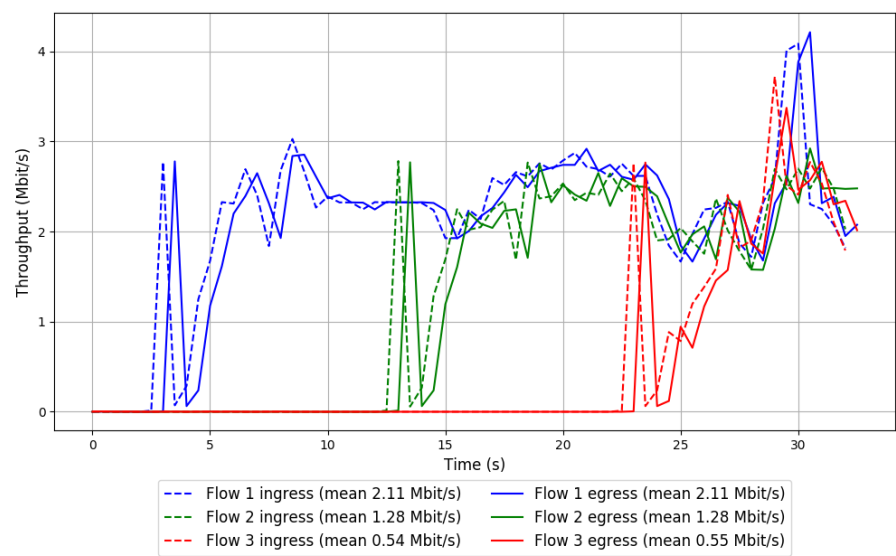
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 50.723 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

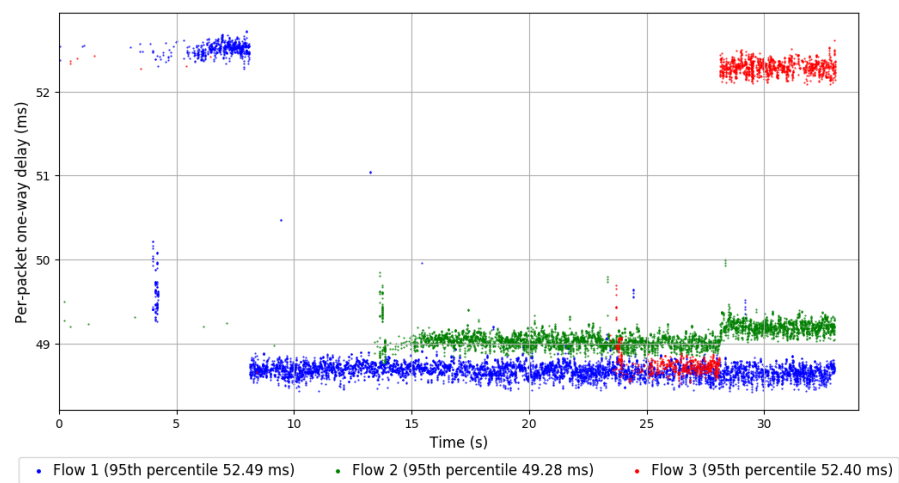
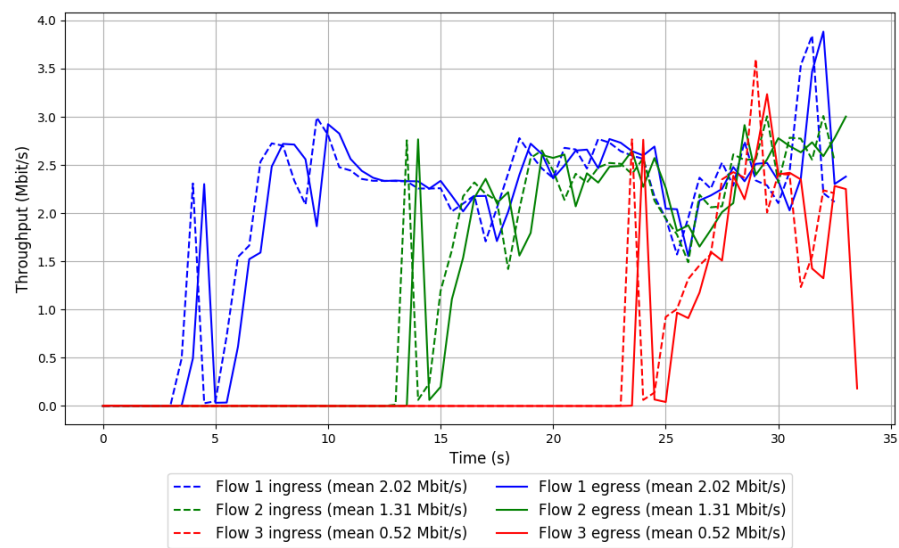


Run 8: Statistics of WebRTC media

Start at: 2018-07-01 19:14:10
End at: 2018-07-01 19:14:40
Local clock offset: 0.065 ms
Remote clock offset: -1.326 ms

Below is generated by plot.py at 2018-07-01 22:57:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 52.382 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 52.493 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 49.278 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 52.397 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

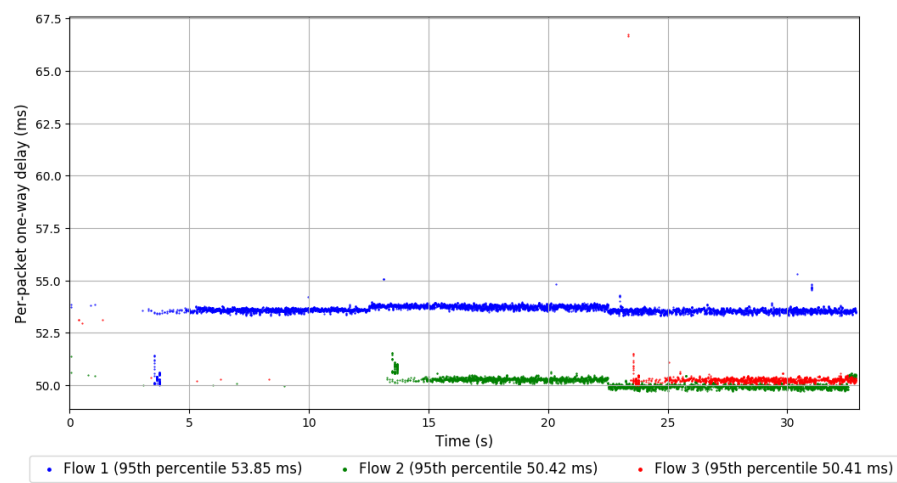
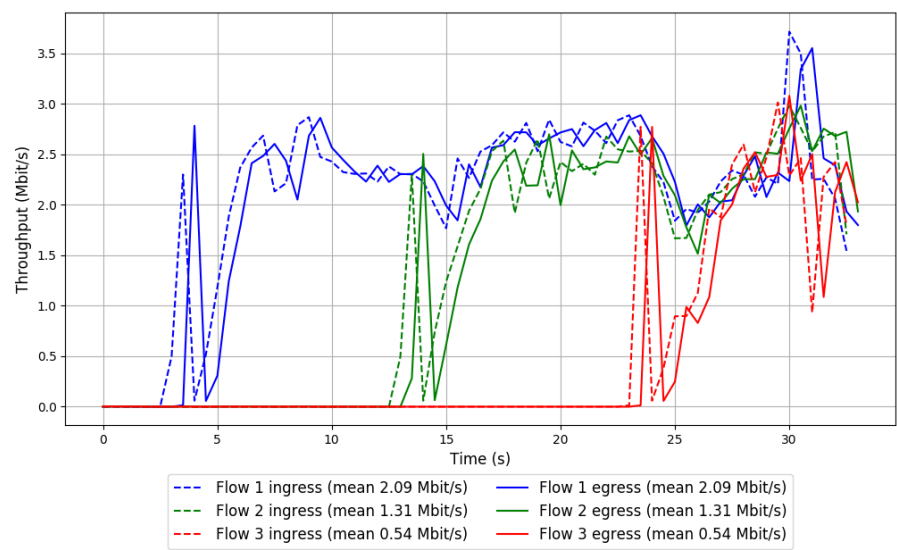


Run 9: Statistics of WebRTC media

Start at: 2018-07-01 19:38:16
End at: 2018-07-01 19:38:46
Local clock offset: -0.035 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-07-01 22:57:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 53.813 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 53.846 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 50.417 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 50.408 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-01 20:02:14
End at: 2018-07-01 20:02:44
Local clock offset: -0.156 ms
Remote clock offset: -1.429 ms

Below is generated by plot.py at 2018-07-01 22:57:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 52.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 52.593 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 49.627 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 52.537 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

