

Pantheon Report

Generated at 2018-07-11 08:26:51 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

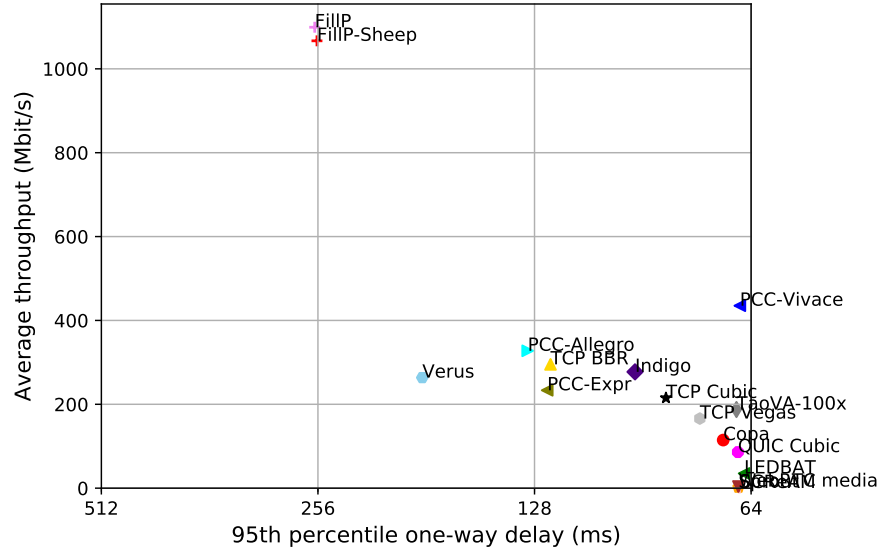
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

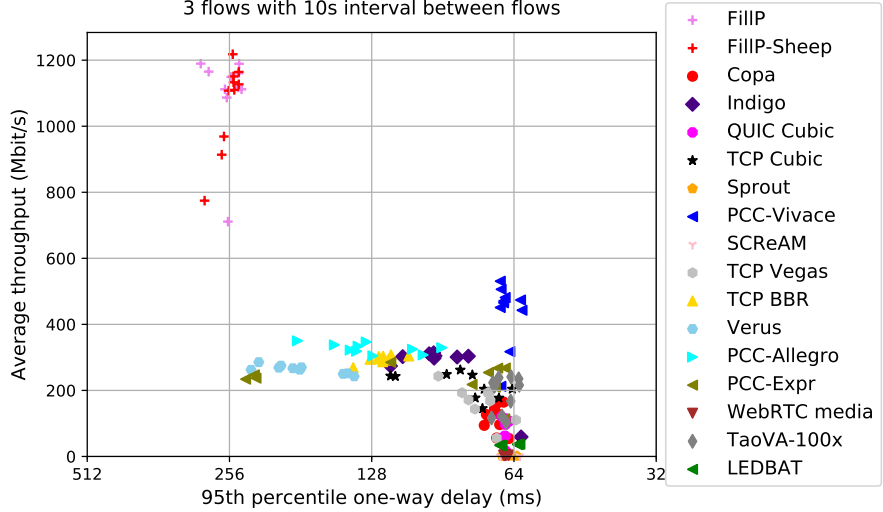
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



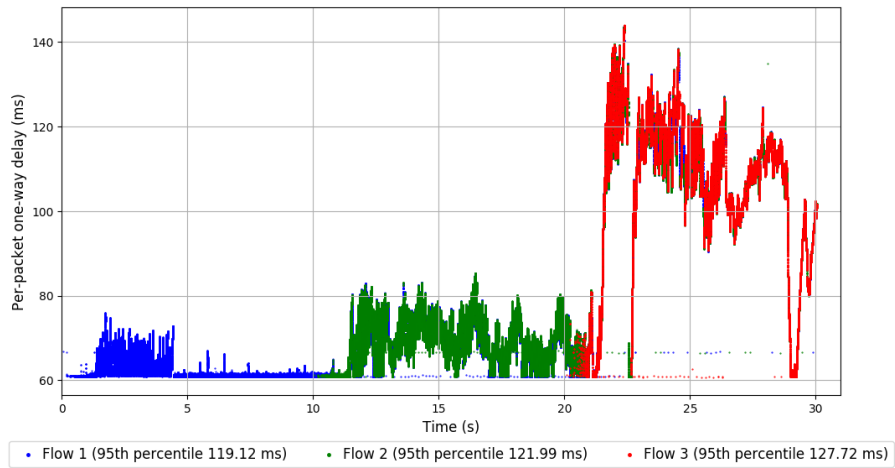
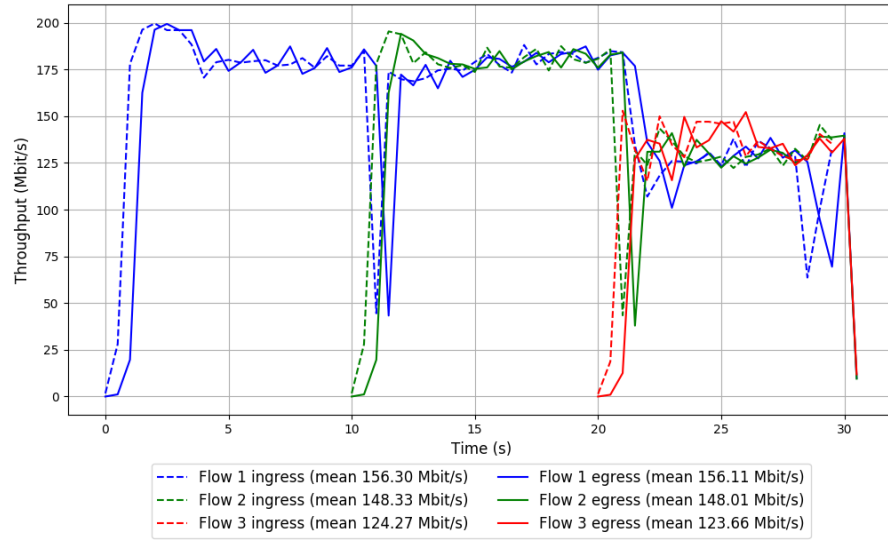
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	157.61	145.55	122.85	117.31	121.18	128.31	0.11	0.17	0.41
Copa	10	63.33	48.17	59.77	67.76	71.68	71.95	0.00	0.01	9.16
TCP Cubic	10	138.74	92.82	44.16	83.57	82.45	83.15	0.03	0.07	0.10
FillP	10	550.16	548.60	555.11	251.96	265.70	247.46	0.32	0.72	0.89
FillP-Sheep	10	506.39	585.32	515.80	260.18	252.96	229.46	0.51	0.35	0.70
Indigo	10	165.16	129.71	80.81	88.56	93.91	100.29	0.03	0.04	0.13
LEDBAT	10	22.60	15.07	7.43	65.49	65.41	65.18	0.00	0.00	0.01
PCC-Allegro	10	300.14	31.78	19.18	130.94	129.44	114.40	0.16	0.05	0.10
PCC-Expr	10	122.43	131.82	70.71	111.85	124.82	127.76	1.01	1.45	2.66
QUIC Cubic	10	35.98	47.80	56.02	65.67	63.46	66.25	0.00	0.00	0.01
SCReAM	10	0.22	0.22	0.22	65.77	65.10	62.49	0.00	0.00	0.07
Sprout	10	0.76	0.79	0.93	65.52	65.88	66.56	0.00	0.00	0.00
TaoVA-100x	10	115.45	115.97	58.43	66.04	67.37	70.66	0.01	0.00	0.00
TCP Vegas	10	88.86	89.47	52.81	73.35	74.96	74.21	0.00	0.01	0.05
Verus	10	176.39	102.18	63.46	175.72	197.19	196.59	0.43	0.69	2.08
PCC-Vivace	10	261.71	216.52	89.49	66.03	65.72	65.15	0.37	0.37	0.67
WebRTC media	10	2.00	1.34	0.53	65.03	64.89	66.11	0.00	0.04	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-11 02:08:15
End at: 2018-07-11 02:08:45
Local clock offset: 0.0 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-07-11 06:19:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 295.82 Mbit/s
95th percentile per-packet one-way delay: 122.826 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 156.11 Mbit/s
95th percentile per-packet one-way delay: 119.118 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 148.01 Mbit/s
95th percentile per-packet one-way delay: 121.990 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 123.66 Mbit/s
95th percentile per-packet one-way delay: 127.724 ms
Loss rate: 0.49%

Run 1: Report of TCP BBR — Data Link

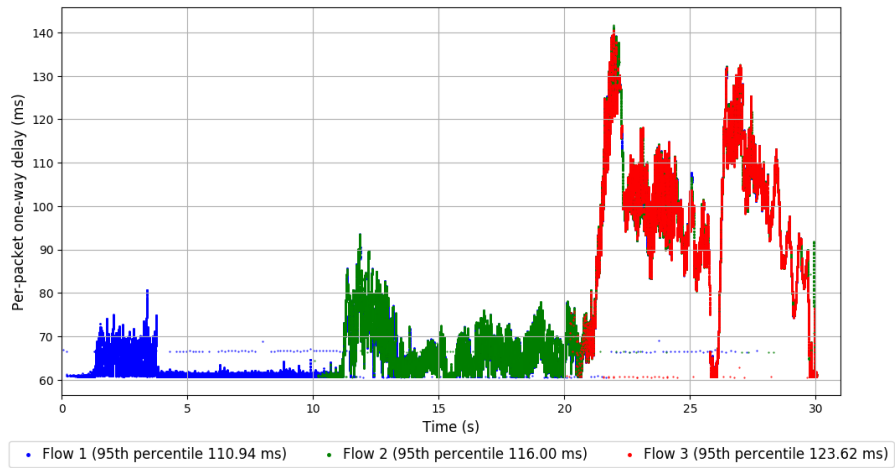
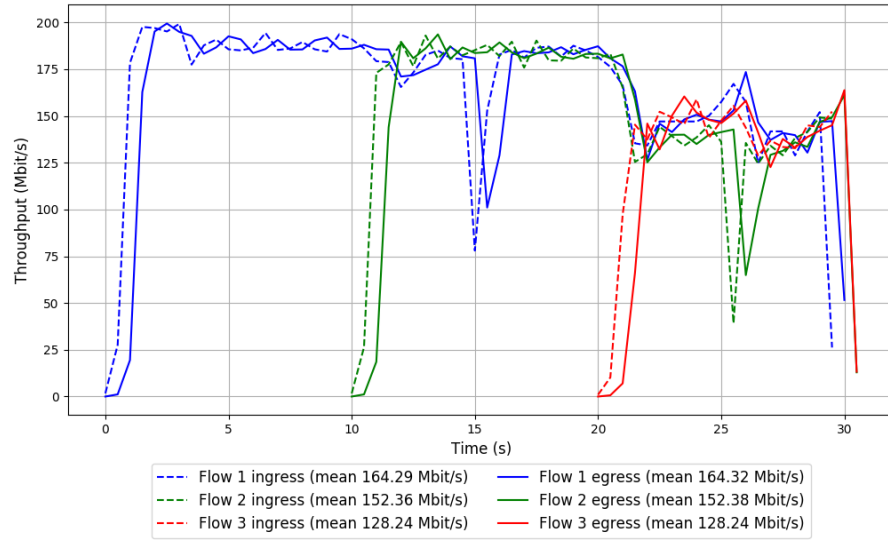


Run 2: Statistics of TCP BBR

Start at: 2018-07-11 02:32:06
End at: 2018-07-11 02:32:36
Local clock offset: -0.003 ms
Remote clock offset: -0.334 ms

Below is generated by plot.py at 2018-07-11 06:19:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 307.80 Mbit/s
95th percentile per-packet one-way delay: 116.502 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 164.32 Mbit/s
95th percentile per-packet one-way delay: 110.942 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 152.38 Mbit/s
95th percentile per-packet one-way delay: 115.998 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 128.24 Mbit/s
95th percentile per-packet one-way delay: 123.625 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-11 02:56:40

End at: 2018-07-11 02:57:10

Local clock offset: 0.004 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-11 06:19:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 303.46 Mbit/s

95th percentile per-packet one-way delay: 121.091 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 159.42 Mbit/s

95th percentile per-packet one-way delay: 117.812 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 150.09 Mbit/s

95th percentile per-packet one-way delay: 120.628 ms

Loss rate: 0.22%

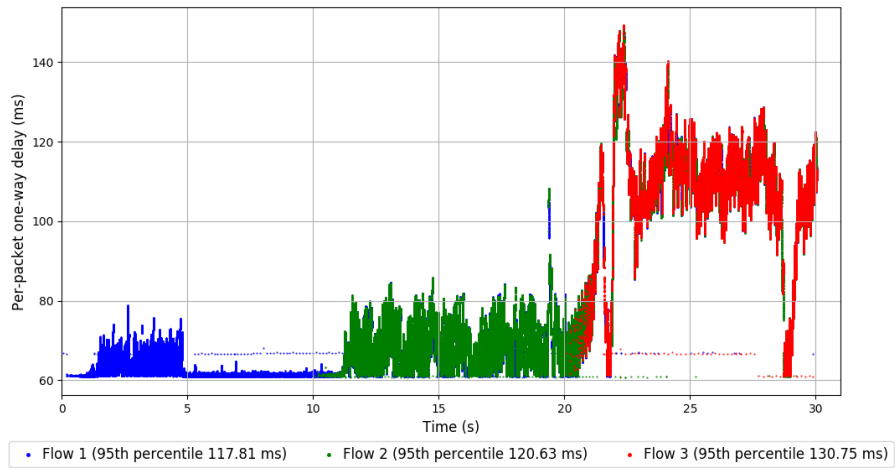
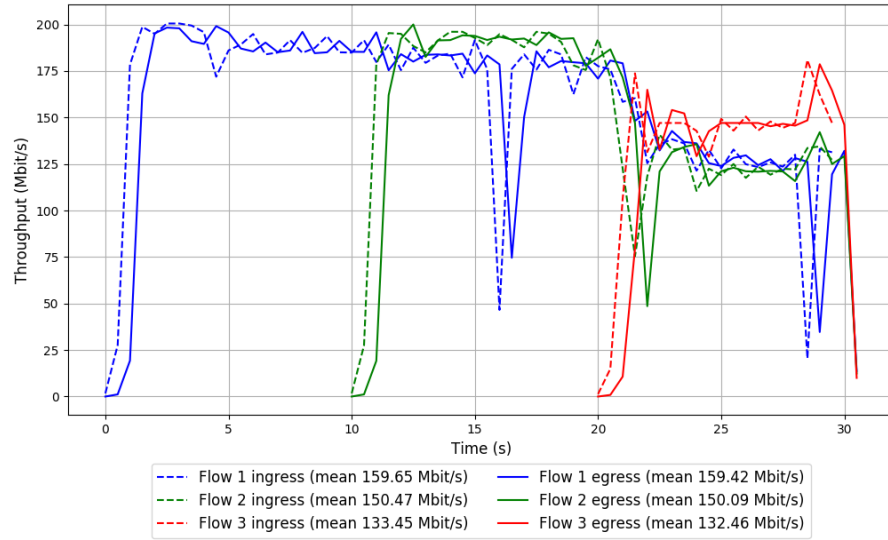
-- Flow 3:

Average throughput: 132.46 Mbit/s

95th percentile per-packet one-way delay: 130.753 ms

Loss rate: 0.58%

Run 3: Report of TCP BBR — Data Link

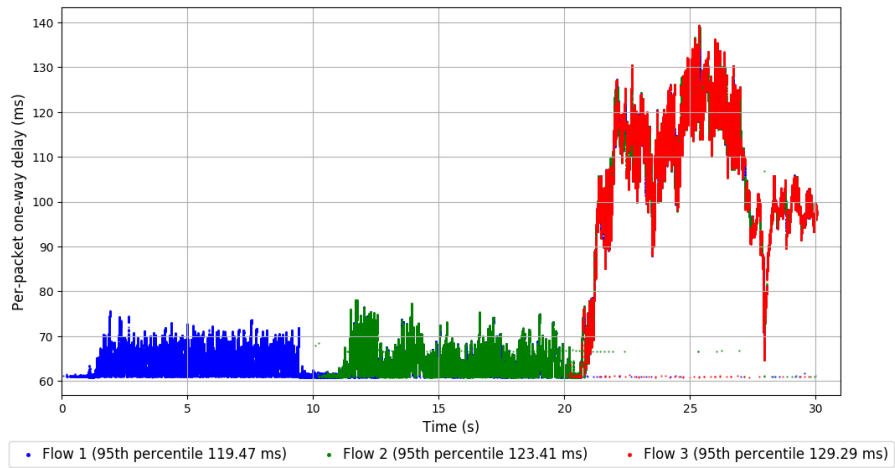
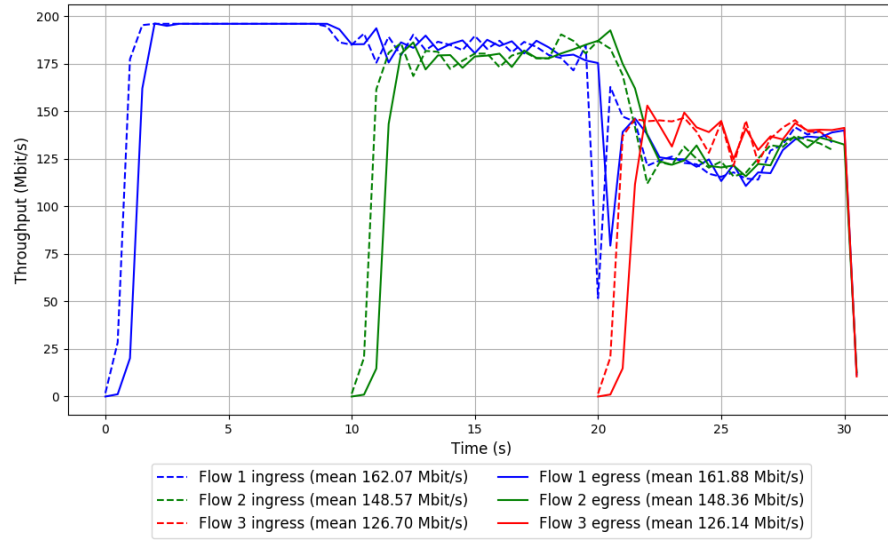


Run 4: Statistics of TCP BBR

Start at: 2018-07-11 03:21:21
End at: 2018-07-11 03:21:51
Local clock offset: -0.038 ms
Remote clock offset: -0.296 ms

Below is generated by plot.py at 2018-07-11 06:19:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 302.59 Mbit/s
95th percentile per-packet one-way delay: 123.677 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 161.88 Mbit/s
95th percentile per-packet one-way delay: 119.474 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 148.36 Mbit/s
95th percentile per-packet one-way delay: 123.408 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 126.14 Mbit/s
95th percentile per-packet one-way delay: 129.295 ms
Loss rate: 0.44%

Run 4: Report of TCP BBR — Data Link

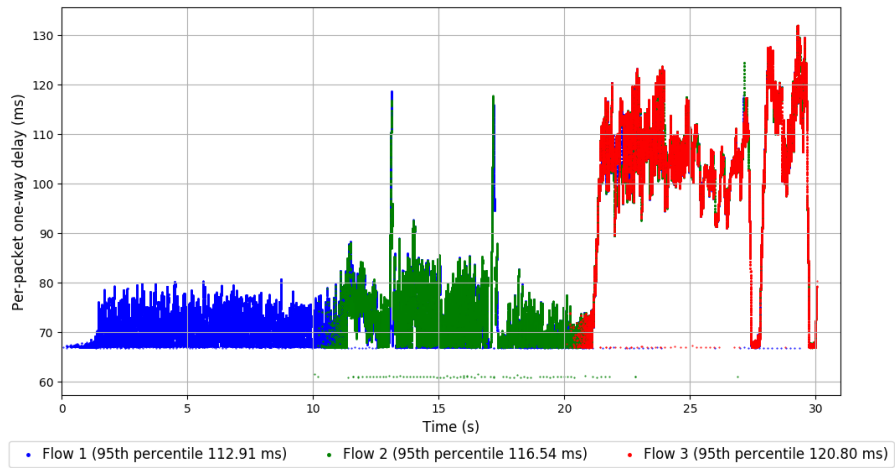
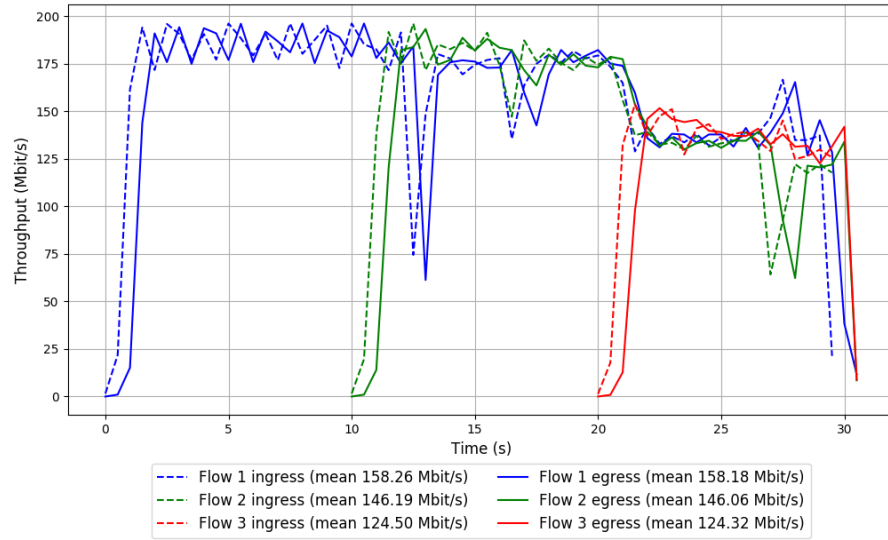


Run 5: Statistics of TCP BBR

Start at: 2018-07-11 03:45:21
End at: 2018-07-11 03:45:51
Local clock offset: -0.027 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-07-11 06:19:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 296.79 Mbit/s
95th percentile per-packet one-way delay: 116.417 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 158.18 Mbit/s
95th percentile per-packet one-way delay: 112.912 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 146.06 Mbit/s
95th percentile per-packet one-way delay: 116.543 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 124.32 Mbit/s
95th percentile per-packet one-way delay: 120.804 ms
Loss rate: 0.13%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-11 04:09:43

End at: 2018-07-11 04:10:13

Local clock offset: -0.036 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-07-11 06:19:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 269.34 Mbit/s

95th percentile per-packet one-way delay: 140.073 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 150.38 Mbit/s

95th percentile per-packet one-way delay: 134.956 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 122.35 Mbit/s

95th percentile per-packet one-way delay: 140.426 ms

Loss rate: 0.26%

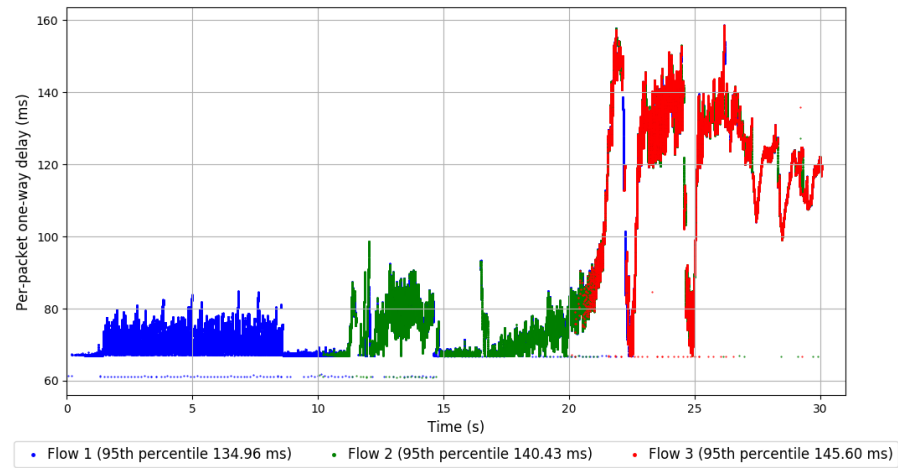
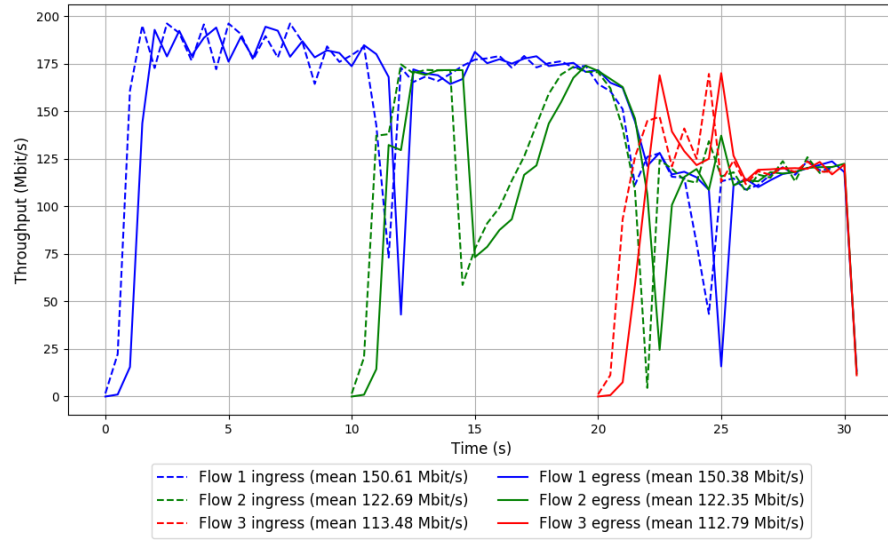
-- Flow 3:

Average throughput: 112.79 Mbit/s

95th percentile per-packet one-way delay: 145.603 ms

Loss rate: 0.59%

Run 6: Report of TCP BBR — Data Link

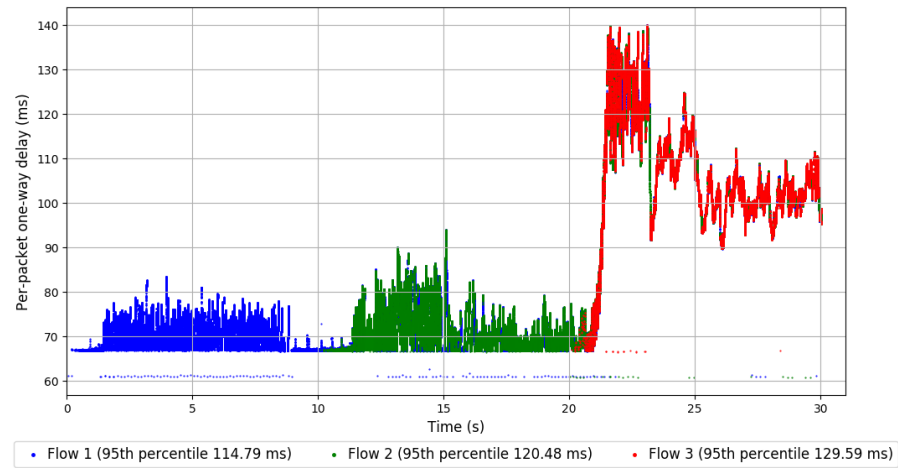
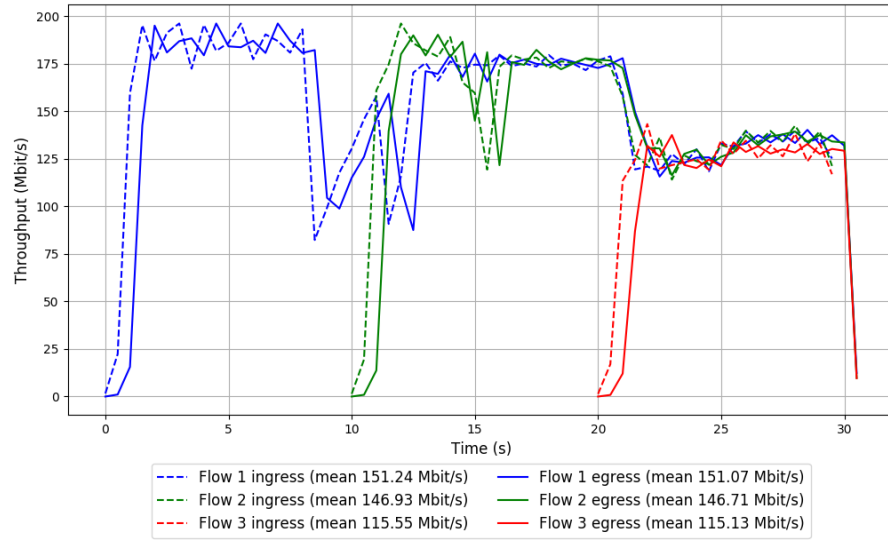


Run 7: Statistics of TCP BBR

Start at: 2018-07-11 04:34:08
End at: 2018-07-11 04:34:38
Local clock offset: 0.022 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-11 06:19:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 286.94 Mbit/s
95th percentile per-packet one-way delay: 121.403 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 151.07 Mbit/s
95th percentile per-packet one-way delay: 114.792 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 146.71 Mbit/s
95th percentile per-packet one-way delay: 120.479 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 115.13 Mbit/s
95th percentile per-packet one-way delay: 129.595 ms
Loss rate: 0.35%

Run 7: Report of TCP BBR — Data Link

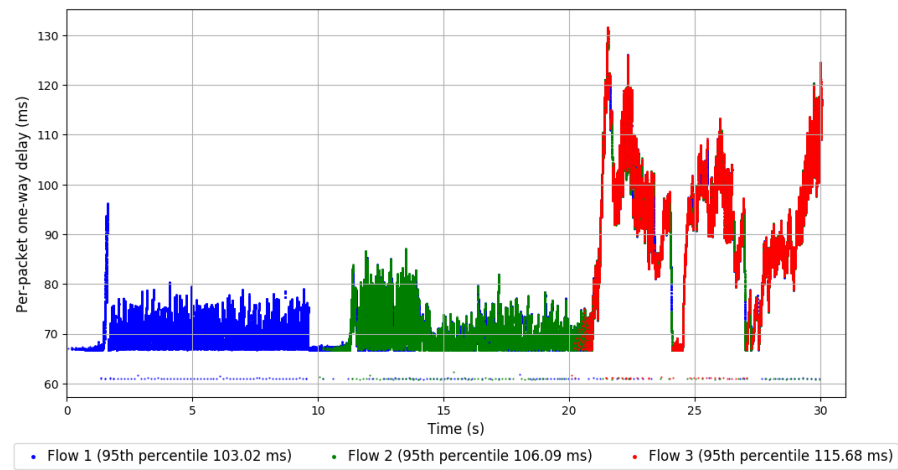
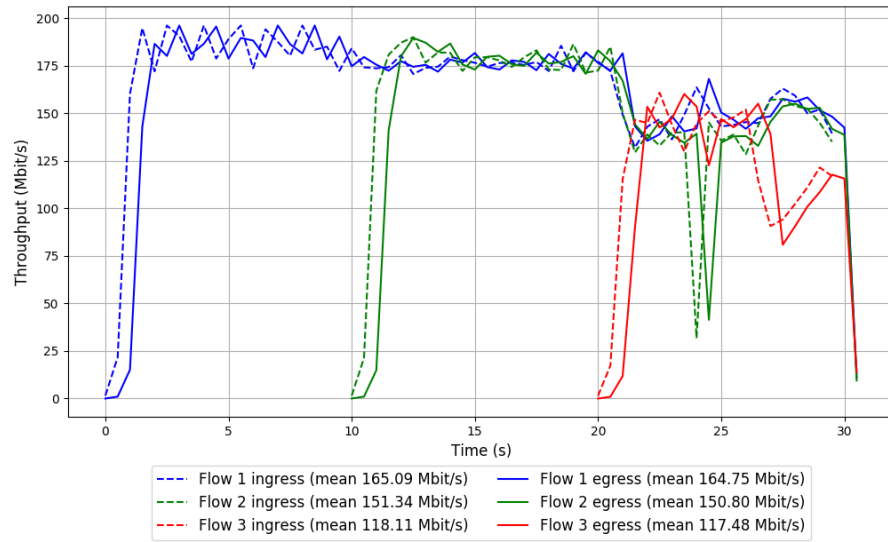


Run 8: Statistics of TCP BBR

Start at: 2018-07-11 04:58:06
End at: 2018-07-11 04:58:36
Local clock offset: 0.008 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-11 06:19:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 304.25 Mbit/s
95th percentile per-packet one-way delay: 106.885 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 164.75 Mbit/s
95th percentile per-packet one-way delay: 103.023 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 150.80 Mbit/s
95th percentile per-packet one-way delay: 106.091 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 117.48 Mbit/s
95th percentile per-packet one-way delay: 115.684 ms
Loss rate: 0.50%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-11 05:22:31

End at: 2018-07-11 05:23:01

Local clock offset: -0.061 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-11 06:24:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 291.80 Mbit/s

95th percentile per-packet one-way delay: 118.290 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 151.81 Mbit/s

95th percentile per-packet one-way delay: 115.631 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 147.08 Mbit/s

95th percentile per-packet one-way delay: 118.415 ms

Loss rate: 0.15%

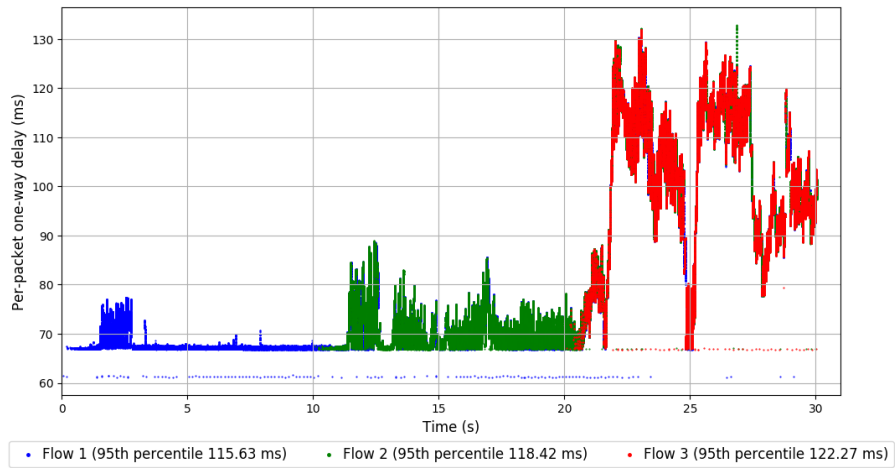
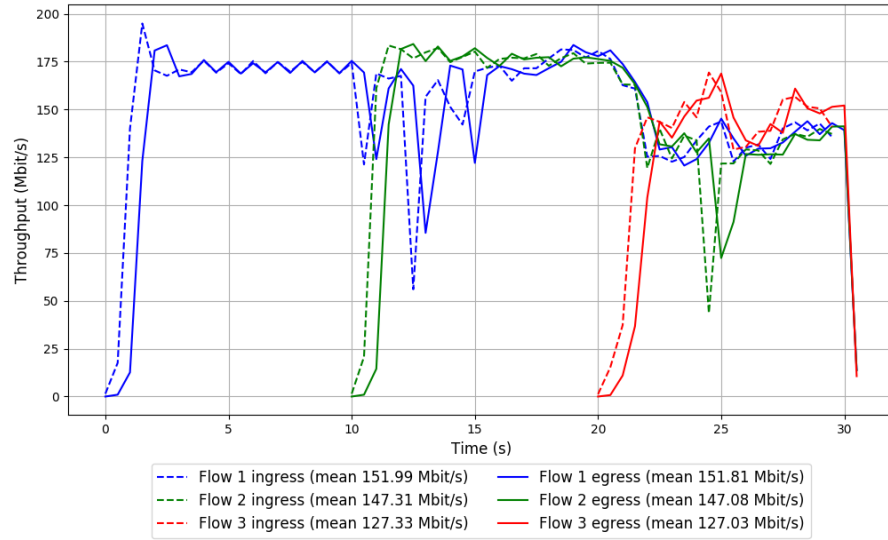
-- Flow 3:

Average throughput: 127.03 Mbit/s

95th percentile per-packet one-way delay: 122.267 ms

Loss rate: 0.45%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-11 05:46:45

End at: 2018-07-11 05:47:15

Local clock offset: 0.002 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-11 06:24:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 294.13 Mbit/s

95th percentile per-packet one-way delay: 129.021 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 158.18 Mbit/s

95th percentile per-packet one-way delay: 124.407 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 143.62 Mbit/s

95th percentile per-packet one-way delay: 127.815 ms

Loss rate: 0.22%

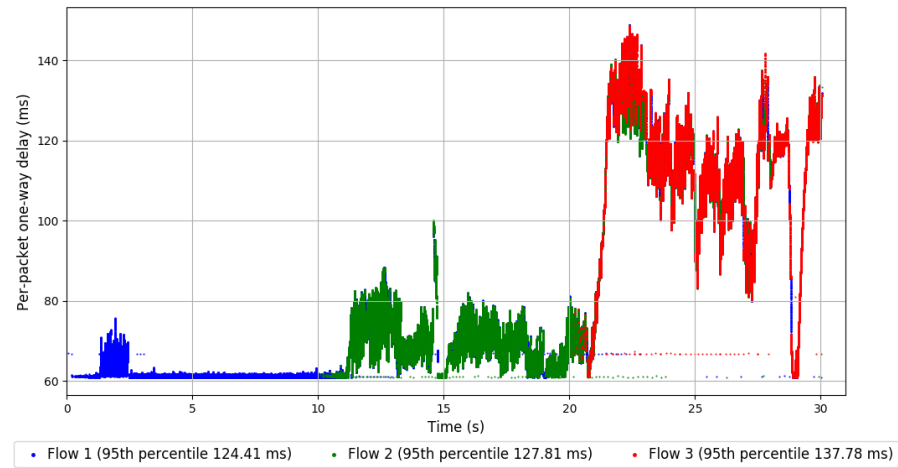
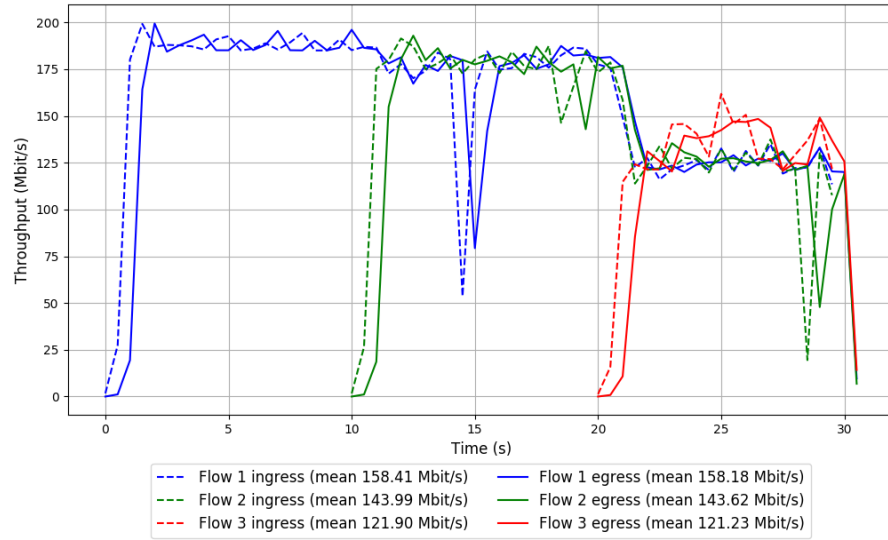
-- Flow 3:

Average throughput: 121.23 Mbit/s

95th percentile per-packet one-way delay: 137.775 ms

Loss rate: 0.57%

Run 10: Report of TCP BBR — Data Link

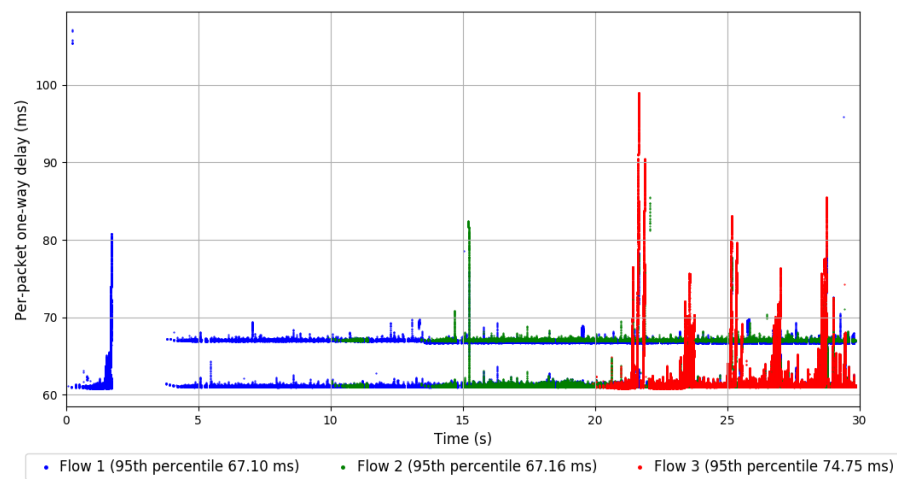
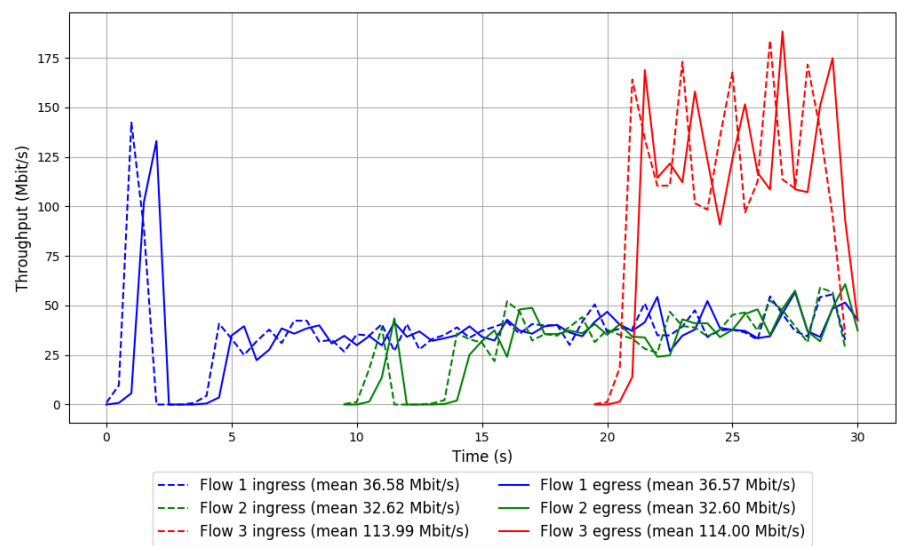


Run 1: Statistics of Copa

Start at: 2018-07-11 01:55:44
End at: 2018-07-11 01:56:14
Local clock offset: -0.097 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-11 06:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 68.615 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 36.57 Mbit/s
95th percentile per-packet one-way delay: 67.104 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.60 Mbit/s
95th percentile per-packet one-way delay: 67.162 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 114.00 Mbit/s
95th percentile per-packet one-way delay: 74.746 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

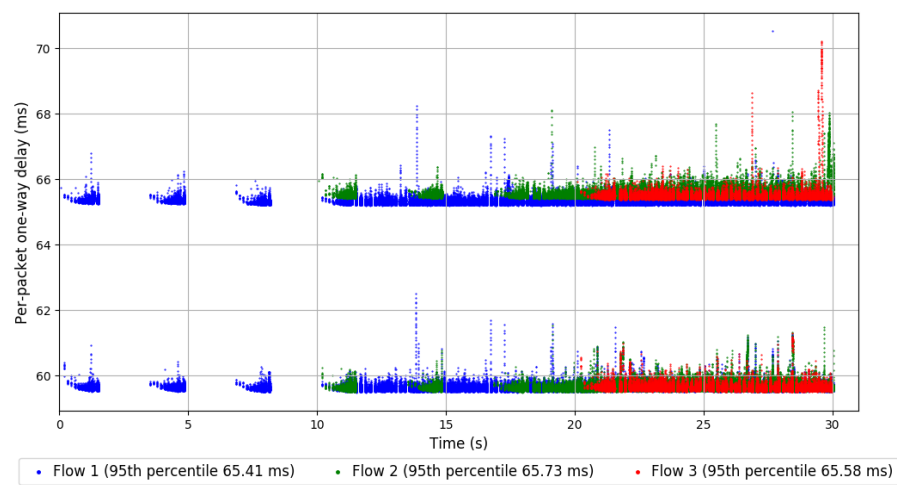
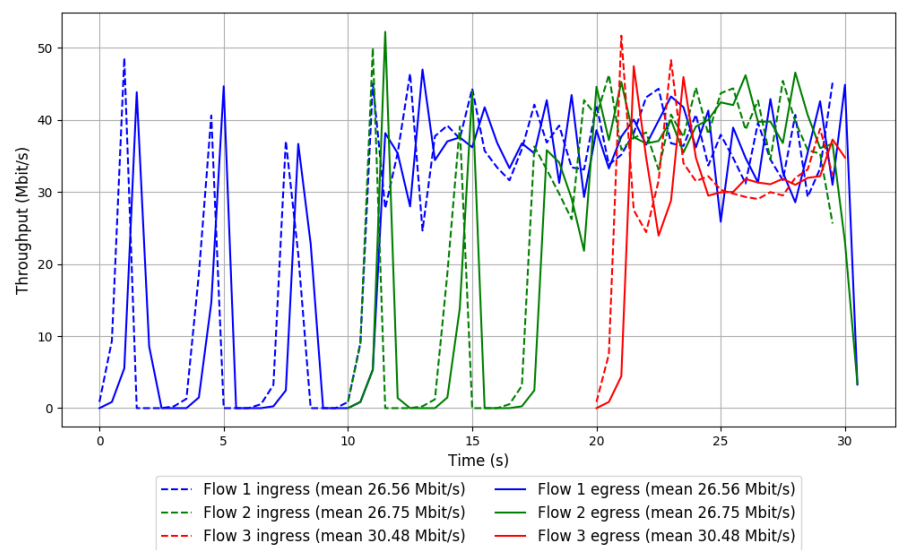


Run 2: Statistics of Copa

Start at: 2018-07-11 02:19:22
End at: 2018-07-11 02:19:52
Local clock offset: -0.021 ms
Remote clock offset: -1.474 ms

Below is generated by plot.py at 2018-07-11 06:24:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.45 Mbit/s
95th percentile per-packet one-way delay: 65.610 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 26.56 Mbit/s
95th percentile per-packet one-way delay: 65.409 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 26.75 Mbit/s
95th percentile per-packet one-way delay: 65.726 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.48 Mbit/s
95th percentile per-packet one-way delay: 65.581 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

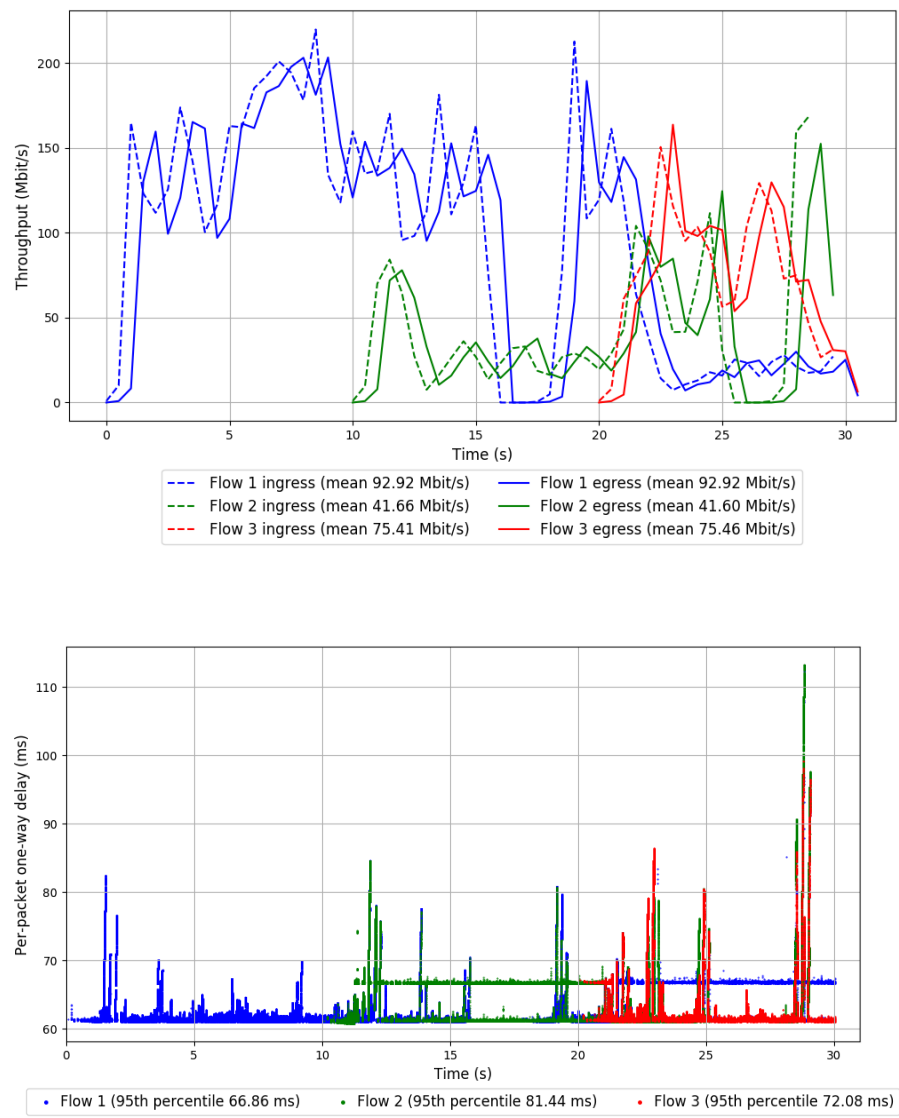


Run 3: Statistics of Copa

Start at: 2018-07-11 02:43:36
End at: 2018-07-11 02:44:06
Local clock offset: 0.01 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-11 06:24:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 144.35 Mbit/s
95th percentile per-packet one-way delay: 70.359 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.92 Mbit/s
95th percentile per-packet one-way delay: 66.861 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.60 Mbit/s
95th percentile per-packet one-way delay: 81.437 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 75.46 Mbit/s
95th percentile per-packet one-way delay: 72.078 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-11 03:08:16

End at: 2018-07-11 03:08:46

Local clock offset: -0.041 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-11 06:25:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 164.48 Mbit/s

95th percentile per-packet one-way delay: 67.293 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 89.46 Mbit/s

95th percentile per-packet one-way delay: 65.847 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 89.64 Mbit/s

95th percentile per-packet one-way delay: 67.793 ms

Loss rate: 0.00%

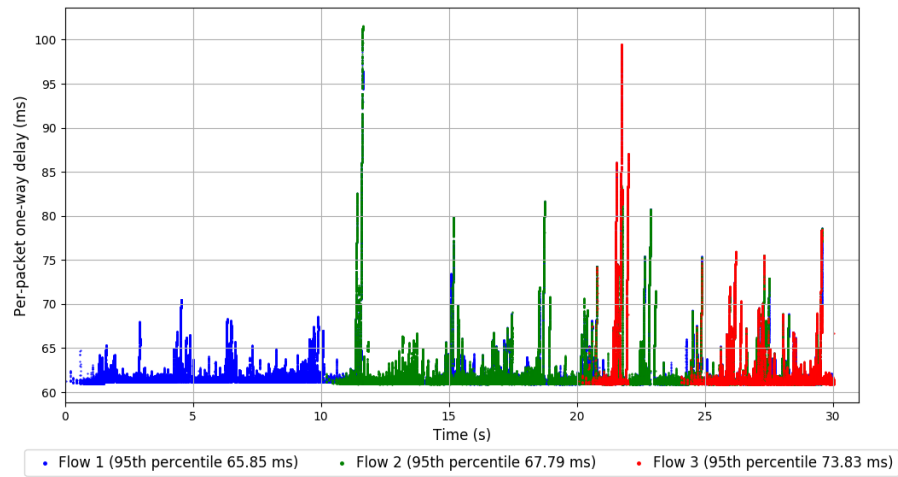
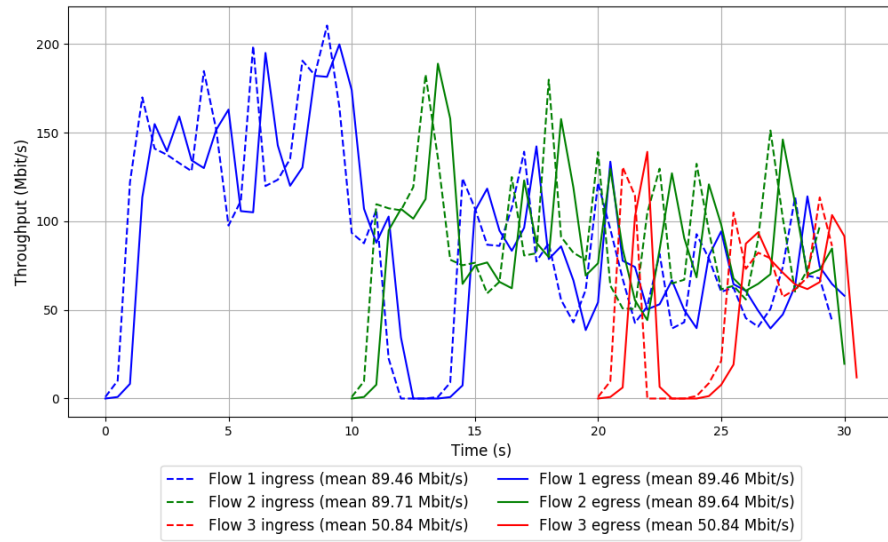
-- Flow 3:

Average throughput: 50.84 Mbit/s

95th percentile per-packet one-way delay: 73.830 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-11 03:32:35

End at: 2018-07-11 03:33:05

Local clock offset: -0.057 ms

Remote clock offset: 1.022 ms

Below is generated by plot.py at 2018-07-11 06:25:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 162.19 Mbit/s

95th percentile per-packet one-way delay: 69.320 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 113.92 Mbit/s

95th percentile per-packet one-way delay: 68.620 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.92 Mbit/s

95th percentile per-packet one-way delay: 68.171 ms

Loss rate: 0.00%

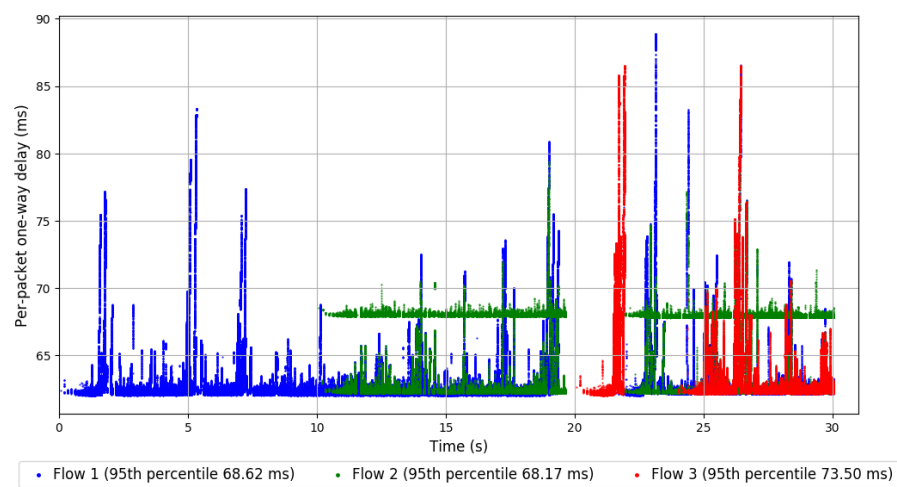
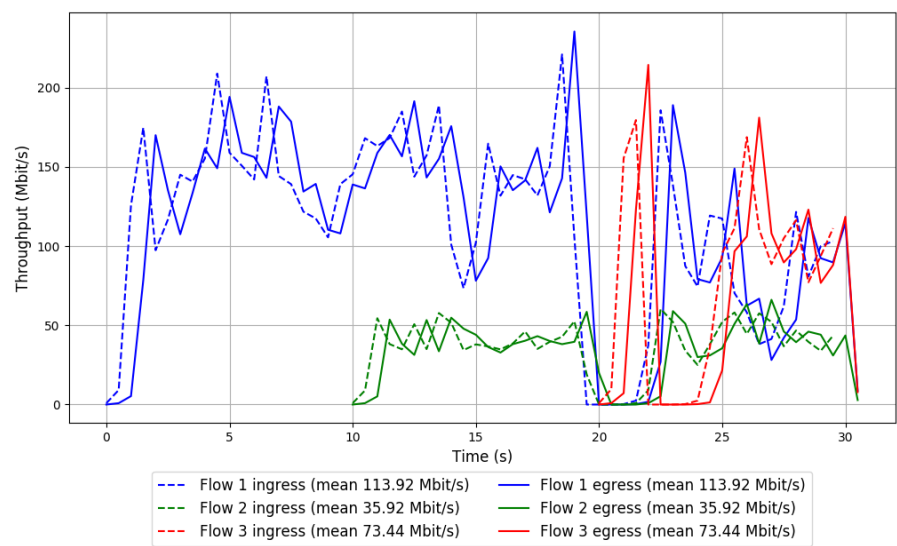
-- Flow 3:

Average throughput: 73.44 Mbit/s

95th percentile per-packet one-way delay: 73.499 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

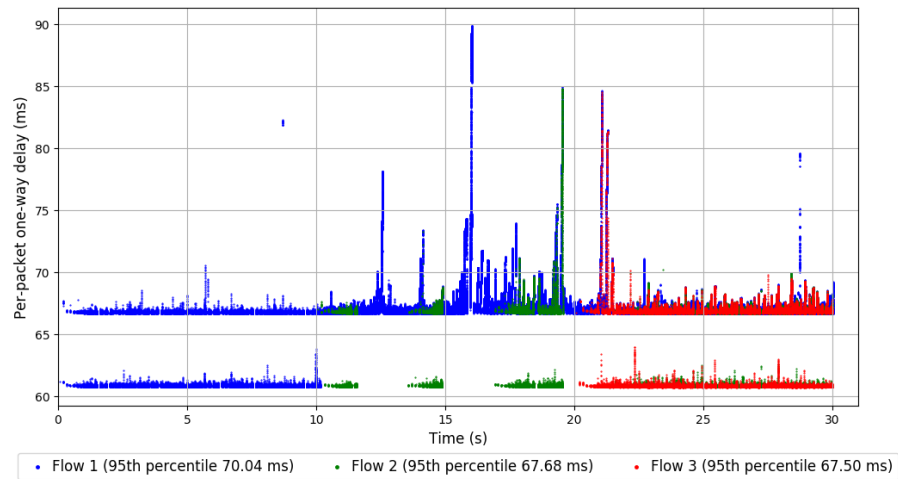
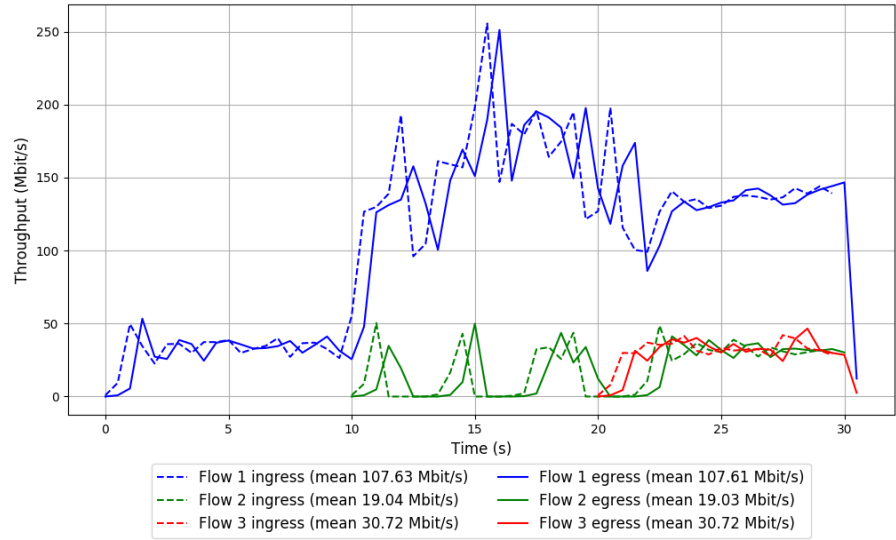


Run 6: Statistics of Copa

Start at: 2018-07-11 03:56:57
End at: 2018-07-11 03:57:28
Local clock offset: -0.026 ms
Remote clock offset: -0.292 ms

Below is generated by plot.py at 2018-07-11 06:25:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 130.44 Mbit/s
95th percentile per-packet one-way delay: 69.553 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 107.61 Mbit/s
95th percentile per-packet one-way delay: 70.041 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 19.03 Mbit/s
95th percentile per-packet one-way delay: 67.683 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 67.498 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

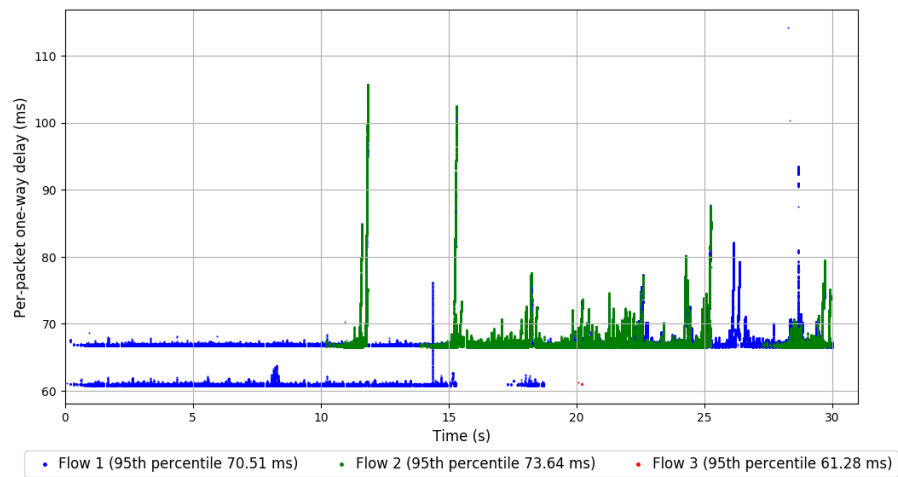
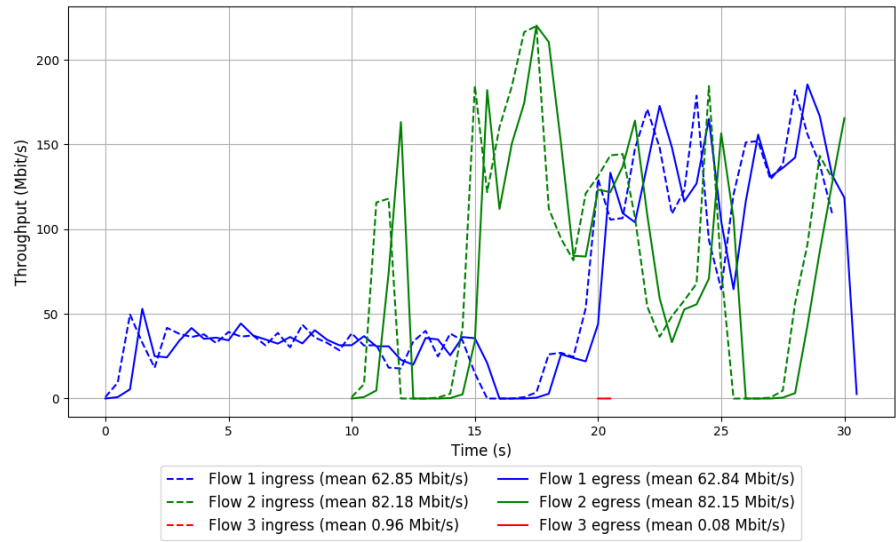


Run 7: Statistics of Copa

Start at: 2018-07-11 04:21:19
End at: 2018-07-11 04:21:49
Local clock offset: -0.04 ms
Remote clock offset: -0.249 ms

Below is generated by plot.py at 2018-07-11 06:25:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 117.28 Mbit/s
95th percentile per-packet one-way delay: 72.221 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.84 Mbit/s
95th percentile per-packet one-way delay: 70.511 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 82.15 Mbit/s
95th percentile per-packet one-way delay: 73.639 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 61.278 ms
Loss rate: 91.62%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-11 04:45:32

End at: 2018-07-11 04:46:02

Local clock offset: -0.01 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-11 06:25:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.97 Mbit/s

95th percentile per-packet one-way delay: 69.635 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 25.03 Mbit/s

95th percentile per-packet one-way delay: 67.099 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 31.87 Mbit/s

95th percentile per-packet one-way delay: 70.900 ms

Loss rate: 0.00%

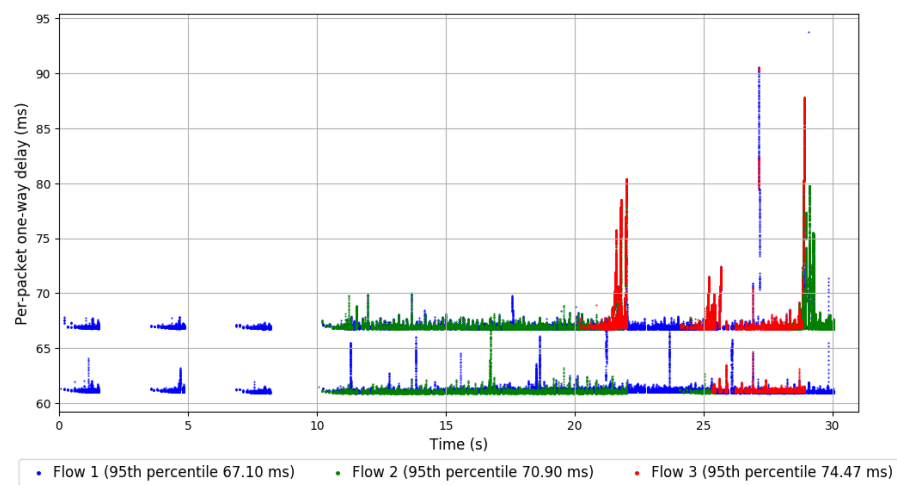
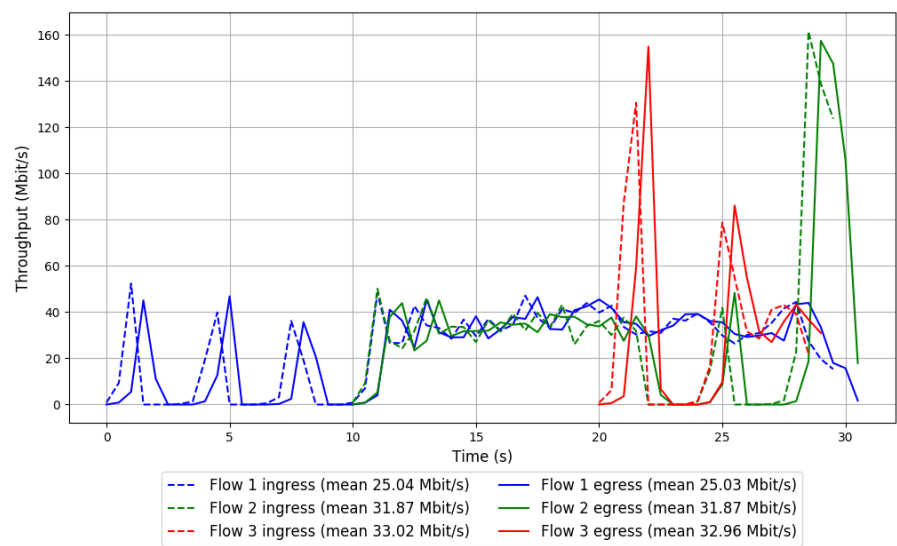
-- Flow 3:

Average throughput: 32.96 Mbit/s

95th percentile per-packet one-way delay: 74.475 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link

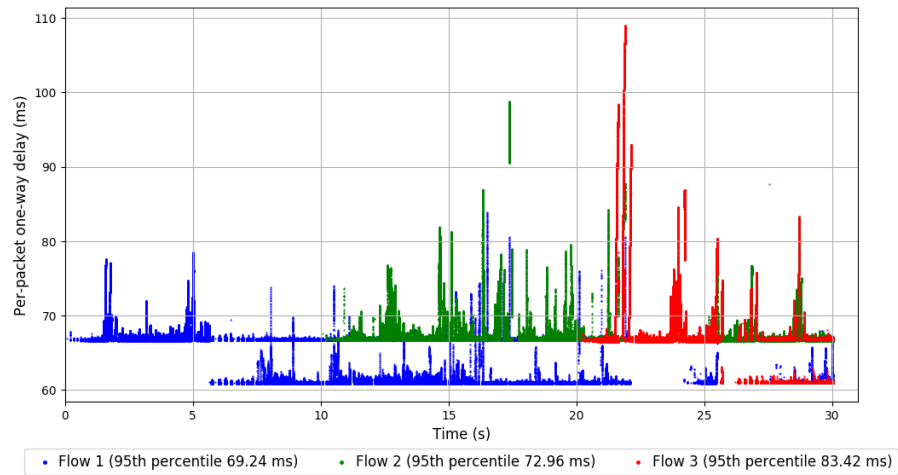
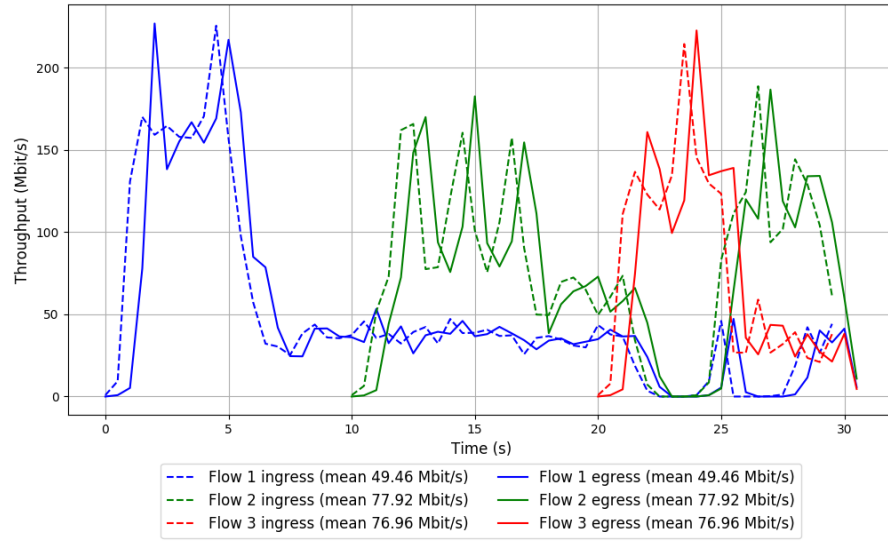


Run 9: Statistics of Copa

Start at: 2018-07-11 05:09:42
End at: 2018-07-11 05:10:12
Local clock offset: -0.01 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-11 06:28:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 126.93 Mbit/s
95th percentile per-packet one-way delay: 73.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.46 Mbit/s
95th percentile per-packet one-way delay: 69.237 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 77.92 Mbit/s
95th percentile per-packet one-way delay: 72.956 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 76.96 Mbit/s
95th percentile per-packet one-way delay: 83.417 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

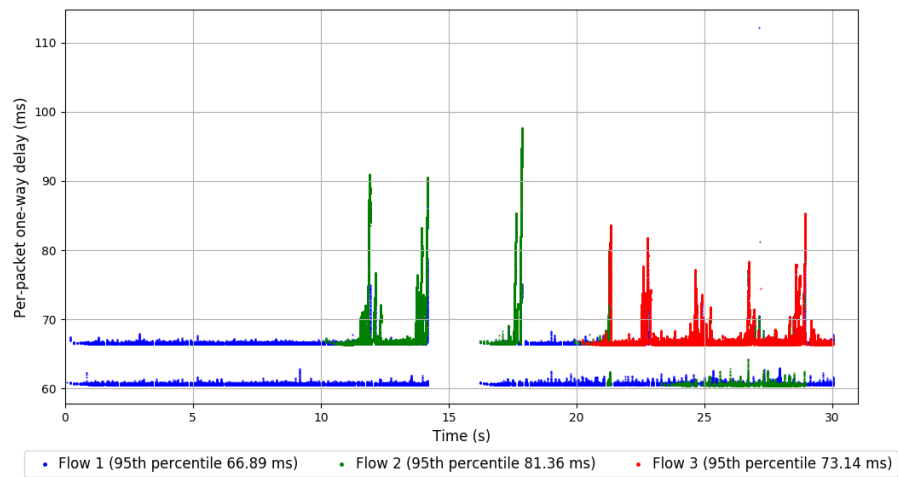
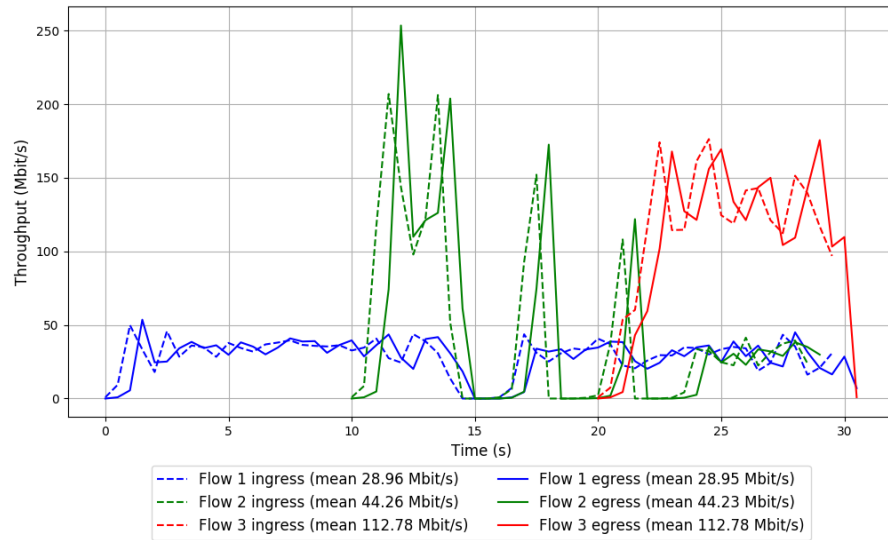


Run 10: Statistics of Copa

Start at: 2018-07-11 05:34:06
End at: 2018-07-11 05:34:36
Local clock offset: -0.018 ms
Remote clock offset: -0.344 ms

Below is generated by plot.py at 2018-07-11 06:28:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.23 Mbit/s
95th percentile per-packet one-way delay: 73.967 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 28.95 Mbit/s
95th percentile per-packet one-way delay: 66.890 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.23 Mbit/s
95th percentile per-packet one-way delay: 81.357 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 112.78 Mbit/s
95th percentile per-packet one-way delay: 73.135 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

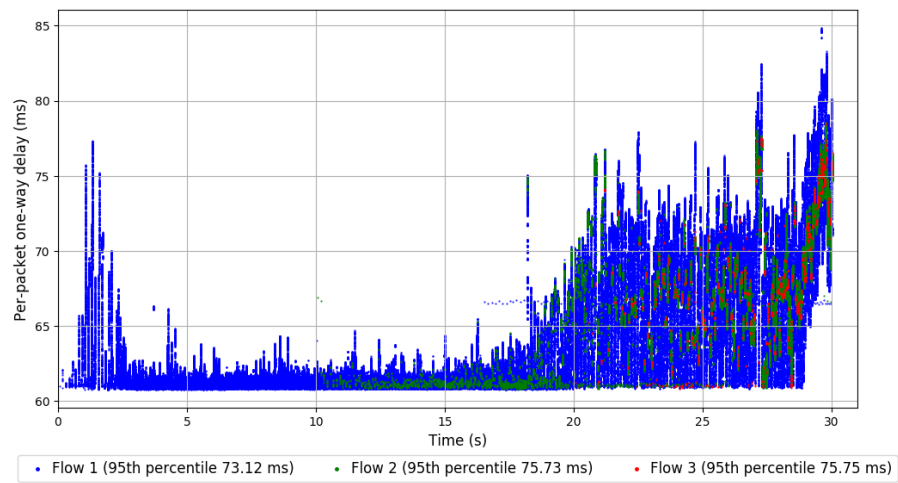
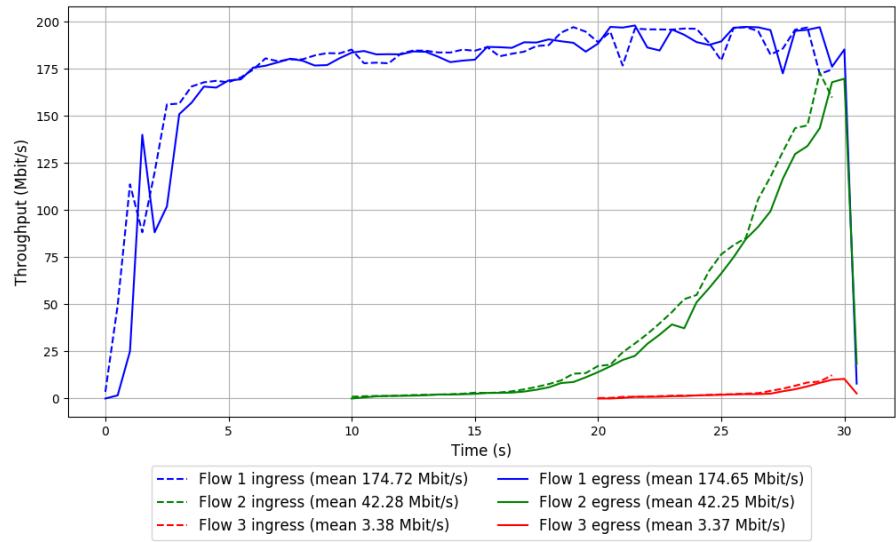


Run 1: Statistics of TCP Cubic

Start at: 2018-07-11 02:09:41
End at: 2018-07-11 02:10:11
Local clock offset: 0.011 ms
Remote clock offset: -0.192 ms

Below is generated by plot.py at 2018-07-11 06:28:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 203.91 Mbit/s
95th percentile per-packet one-way delay: 73.982 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 174.65 Mbit/s
95th percentile per-packet one-way delay: 73.118 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 42.25 Mbit/s
95th percentile per-packet one-way delay: 75.731 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 75.753 ms
Loss rate: 0.36%

Run 1: Report of TCP Cubic — Data Link

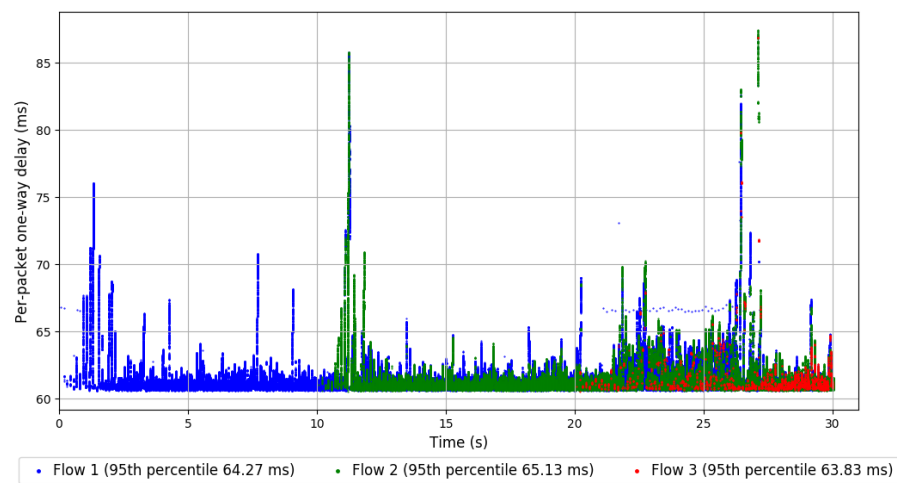
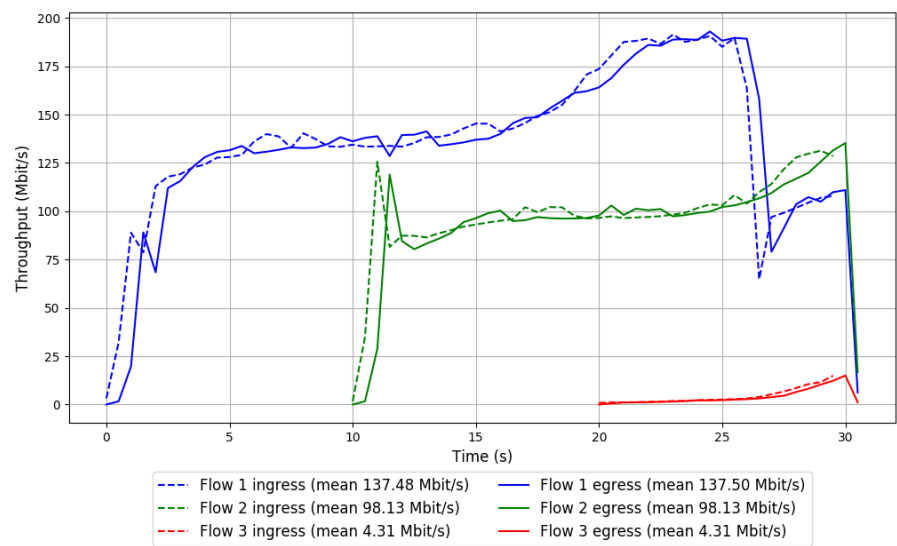


Run 2: Statistics of TCP Cubic

Start at: 2018-07-11 02:33:32
End at: 2018-07-11 02:34:02
Local clock offset: -0.012 ms
Remote clock offset: -0.425 ms

Below is generated by plot.py at 2018-07-11 06:28:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 204.18 Mbit/s
95th percentile per-packet one-way delay: 64.538 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 137.50 Mbit/s
95th percentile per-packet one-way delay: 64.274 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 98.13 Mbit/s
95th percentile per-packet one-way delay: 65.133 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 63.833 ms
Loss rate: 0.06%

Run 2: Report of TCP Cubic — Data Link

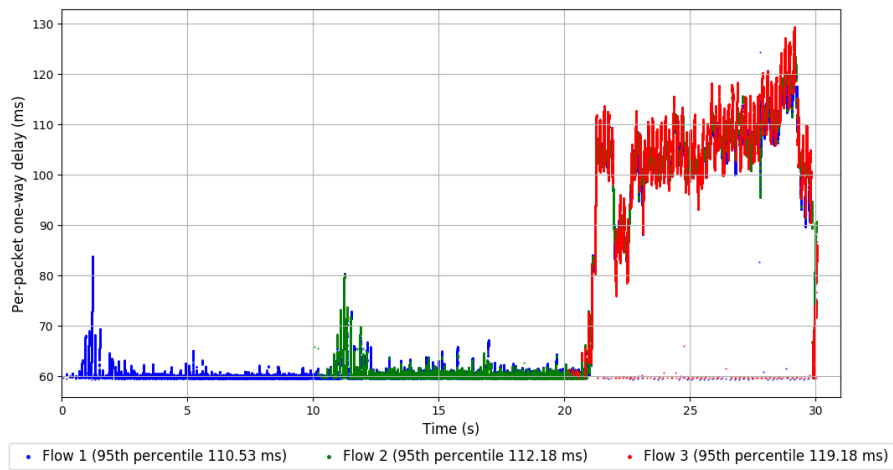
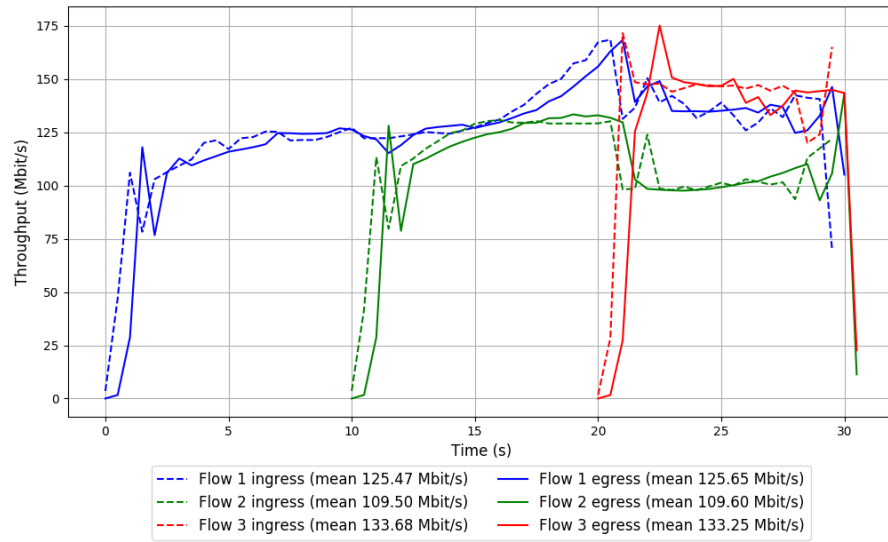


Run 3: Statistics of TCP Cubic

Start at: 2018-07-11 02:58:07
End at: 2018-07-11 02:58:37
Local clock offset: -0.028 ms
Remote clock offset: -1.646 ms

Below is generated by plot.py at 2018-07-11 06:29:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 242.59 Mbit/s
95th percentile per-packet one-way delay: 114.062 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 125.65 Mbit/s
95th percentile per-packet one-way delay: 110.529 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 109.60 Mbit/s
95th percentile per-packet one-way delay: 112.179 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 133.25 Mbit/s
95th percentile per-packet one-way delay: 119.181 ms
Loss rate: 0.09%

Run 3: Report of TCP Cubic — Data Link

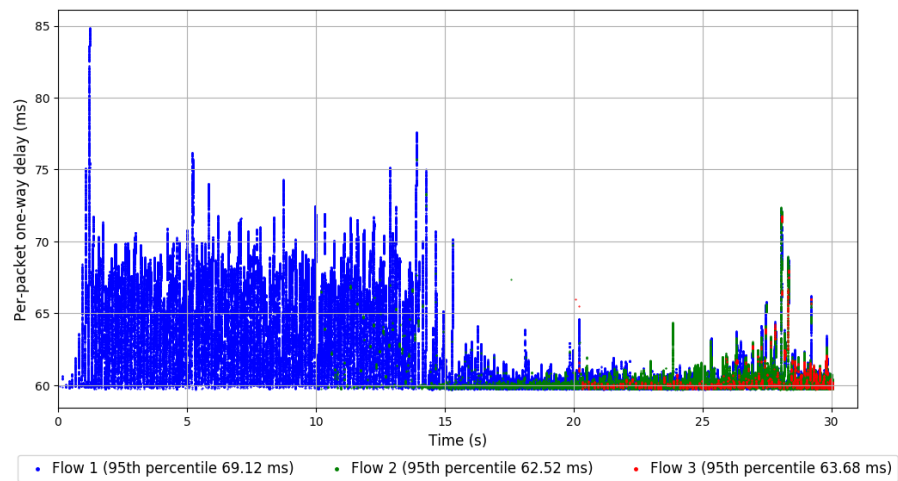
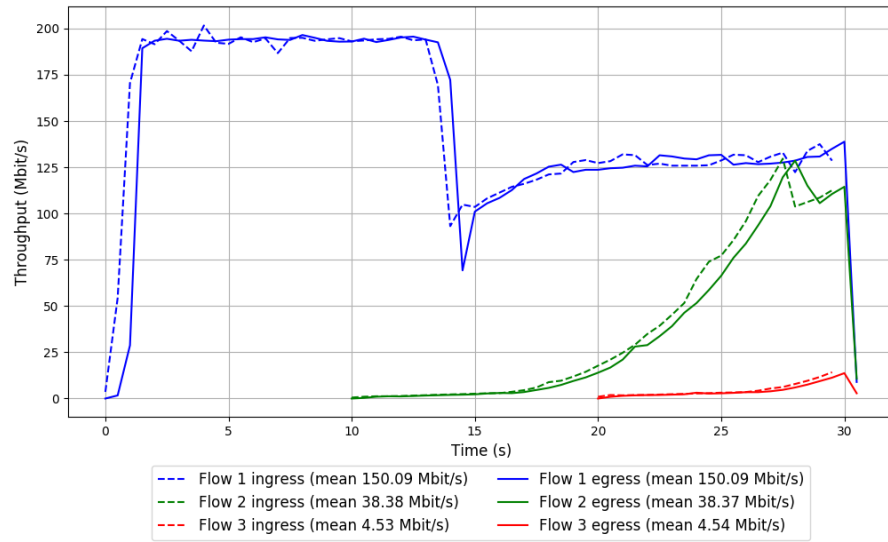


Run 4: Statistics of TCP Cubic

Start at: 2018-07-11 03:22:48
End at: 2018-07-11 03:23:18
Local clock offset: 0.018 ms
Remote clock offset: -1.383 ms

Below is generated by plot.py at 2018-07-11 06:29:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 177.14 Mbit/s
95th percentile per-packet one-way delay: 68.865 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 150.09 Mbit/s
95th percentile per-packet one-way delay: 69.119 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.37 Mbit/s
95th percentile per-packet one-way delay: 62.516 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: 63.683 ms
Loss rate: 0.03%

Run 4: Report of TCP Cubic — Data Link

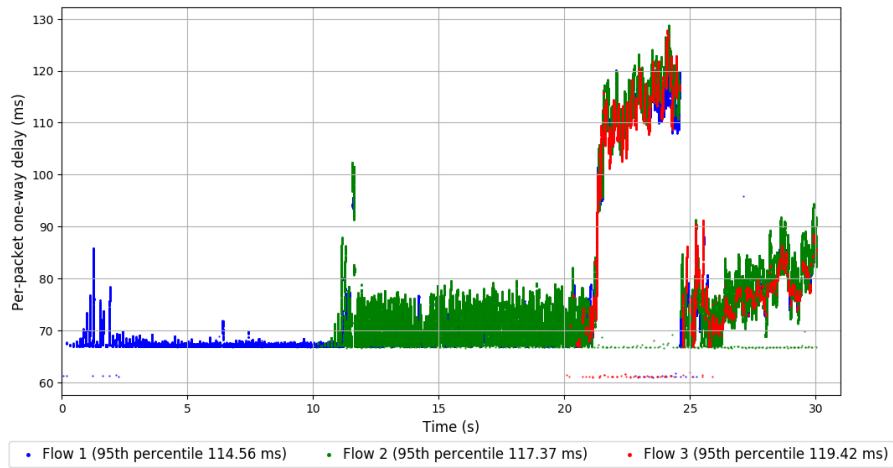
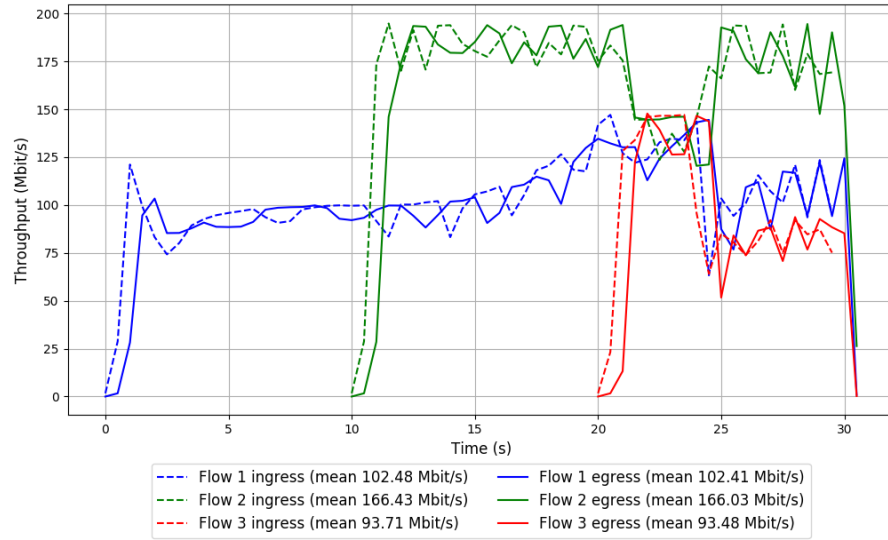


Run 5: Statistics of TCP Cubic

Start at: 2018-07-11 03:46:48
End at: 2018-07-11 03:47:18
Local clock offset: -0.0 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-07-11 06:29:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 243.97 Mbit/s
95th percentile per-packet one-way delay: 116.777 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 102.41 Mbit/s
95th percentile per-packet one-way delay: 114.558 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 166.03 Mbit/s
95th percentile per-packet one-way delay: 117.370 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 93.48 Mbit/s
95th percentile per-packet one-way delay: 119.416 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

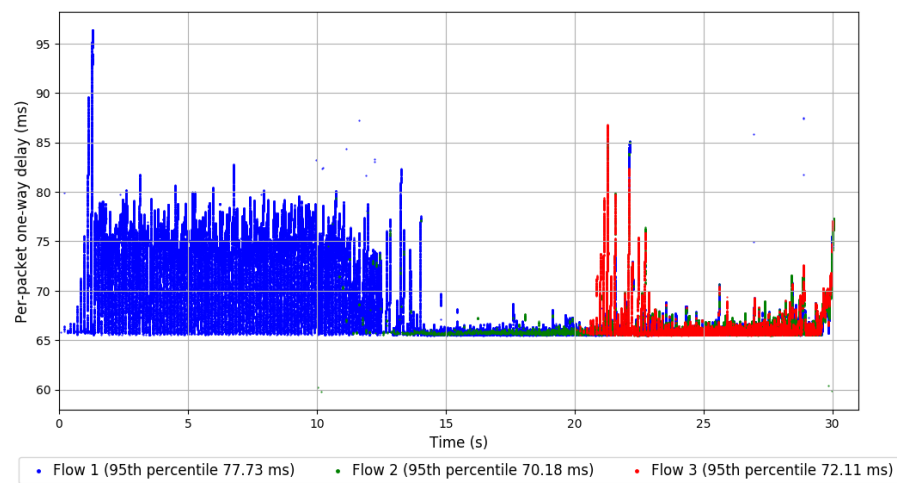
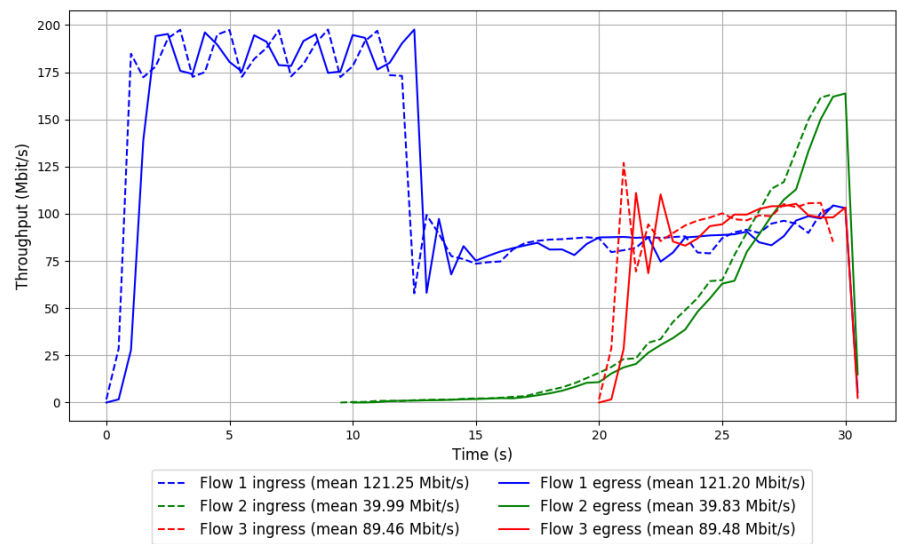


Run 6: Statistics of TCP Cubic

Start at: 2018-07-11 04:11:08
End at: 2018-07-11 04:11:38
Local clock offset: -0.01 ms
Remote clock offset: -1.442 ms

Below is generated by plot.py at 2018-07-11 06:29:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 177.39 Mbit/s
95th percentile per-packet one-way delay: 77.294 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 121.20 Mbit/s
95th percentile per-packet one-way delay: 77.729 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.83 Mbit/s
95th percentile per-packet one-way delay: 70.184 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 89.48 Mbit/s
95th percentile per-packet one-way delay: 72.109 ms
Loss rate: 0.12%

Run 6: Report of TCP Cubic — Data Link

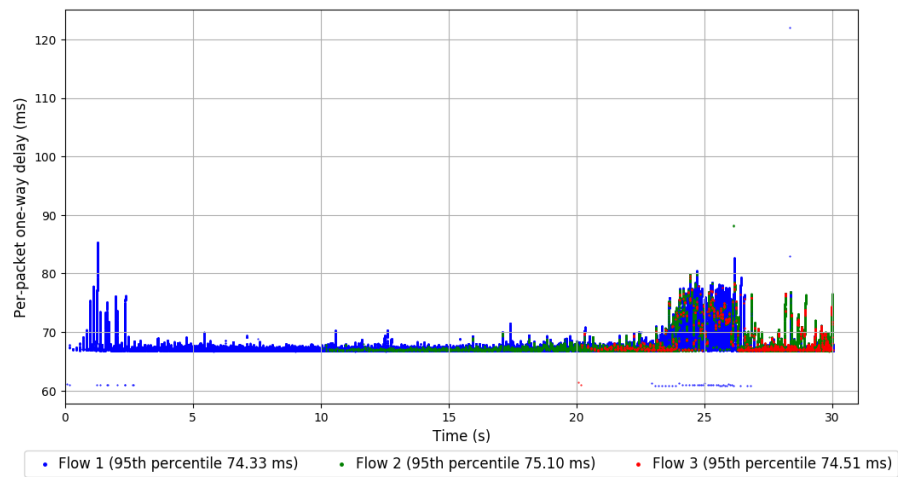
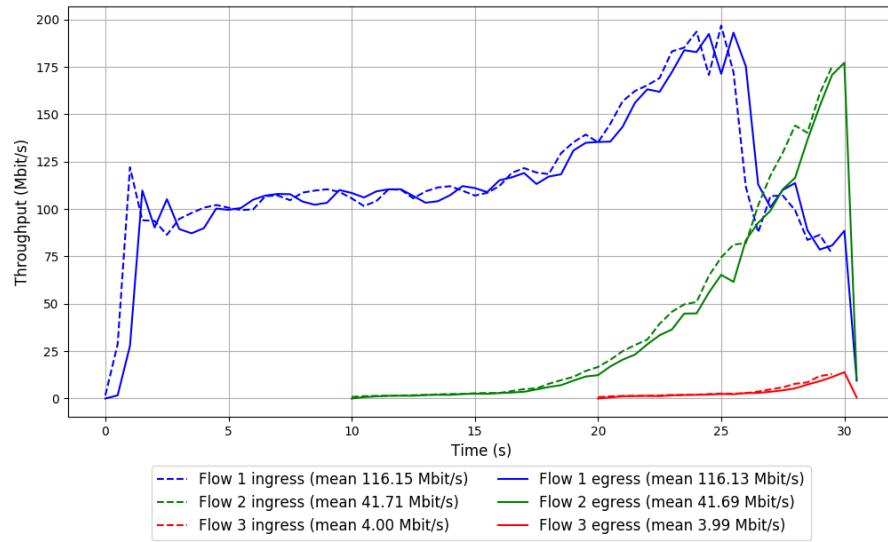


Run 7: Statistics of TCP Cubic

Start at: 2018-07-11 04:35:33
End at: 2018-07-11 04:36:03
Local clock offset: 0.002 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-07-11 06:30:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 145.19 Mbit/s
95th percentile per-packet one-way delay: 74.617 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 116.13 Mbit/s
95th percentile per-packet one-way delay: 74.330 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.69 Mbit/s
95th percentile per-packet one-way delay: 75.102 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.99 Mbit/s
95th percentile per-packet one-way delay: 74.511 ms
Loss rate: 0.15%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-11 04:59:33

End at: 2018-07-11 05:00:03

Local clock offset: -0.007 ms

Remote clock offset: 0.936 ms

Below is generated by plot.py at 2018-07-11 06:32:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 262.02 Mbit/s

95th percentile per-packet one-way delay: 83.118 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 152.33 Mbit/s

95th percentile per-packet one-way delay: 84.776 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 113.97 Mbit/s

95th percentile per-packet one-way delay: 80.641 ms

Loss rate: 0.00%

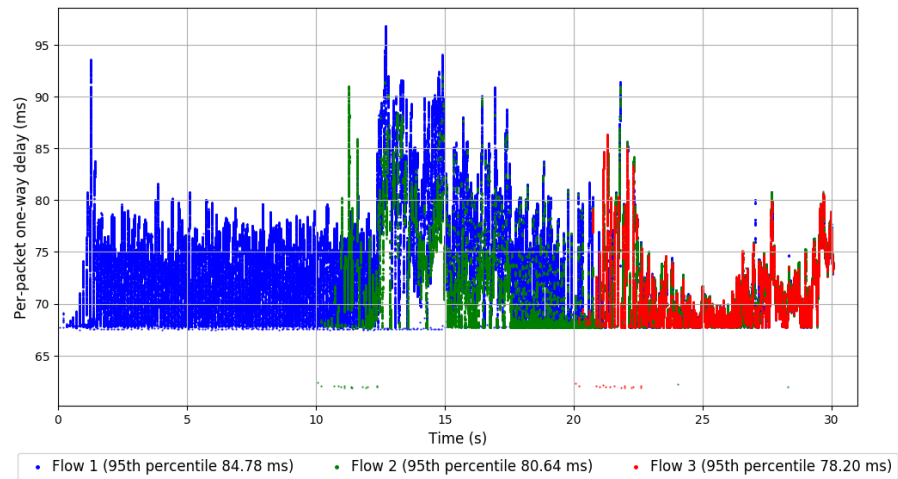
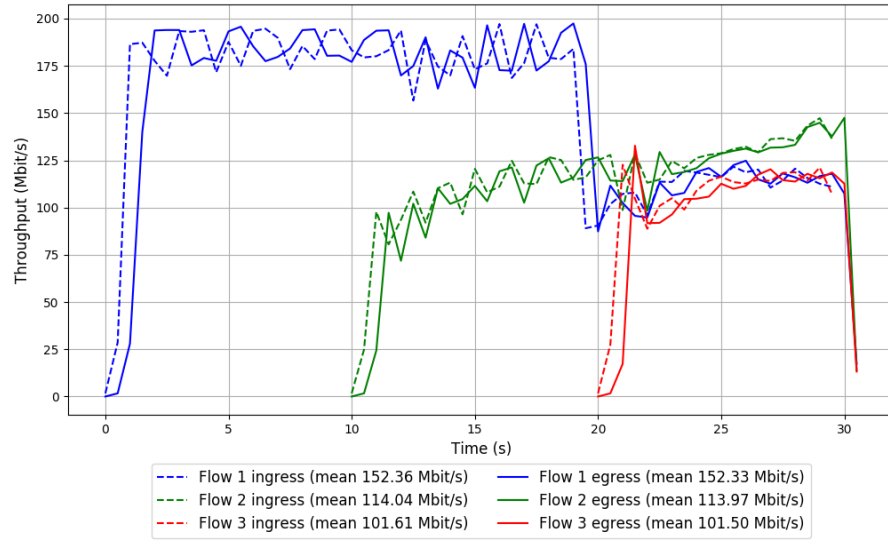
-- Flow 3:

Average throughput: 101.50 Mbit/s

95th percentile per-packet one-way delay: 78.201 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-11 05:23:57

End at: 2018-07-11 05:24:27

Local clock offset: -0.024 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-07-11 06:32:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 246.67 Mbit/s

95th percentile per-packet one-way delay: 78.369 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 178.45 Mbit/s

95th percentile per-packet one-way delay: 78.965 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 100.45 Mbit/s

95th percentile per-packet one-way delay: 76.228 ms

Loss rate: 0.03%

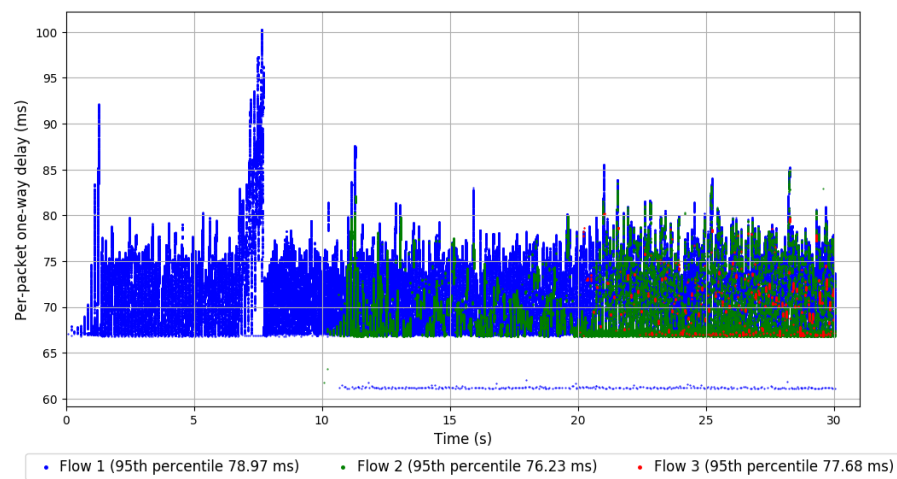
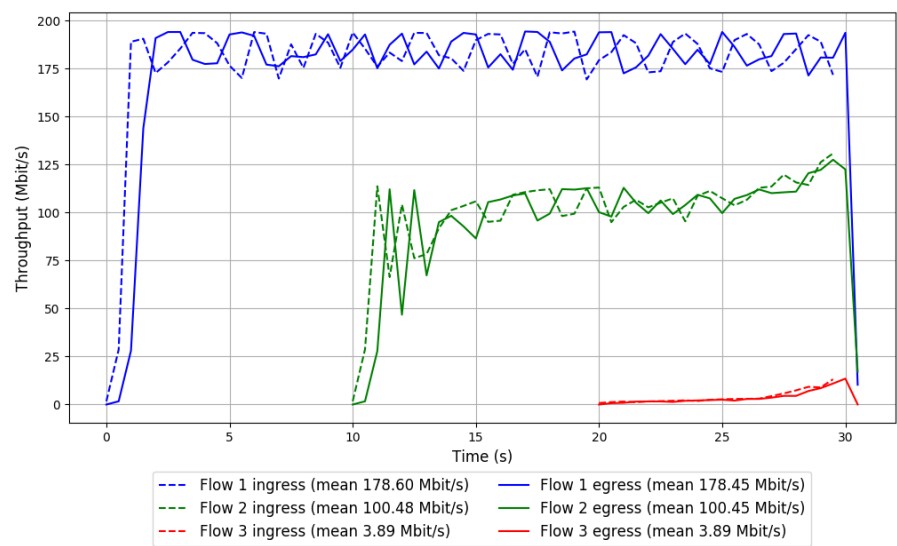
-- Flow 3:

Average throughput: 3.89 Mbit/s

95th percentile per-packet one-way delay: 77.682 ms

Loss rate: 0.09%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-11 05:48:11

End at: 2018-07-11 05:48:41

Local clock offset: -0.005 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-07-11 06:32:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 248.65 Mbit/s

95th percentile per-packet one-way delay: 88.854 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 128.99 Mbit/s

95th percentile per-packet one-way delay: 88.337 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 177.92 Mbit/s

95th percentile per-packet one-way delay: 89.444 ms

Loss rate: 0.00%

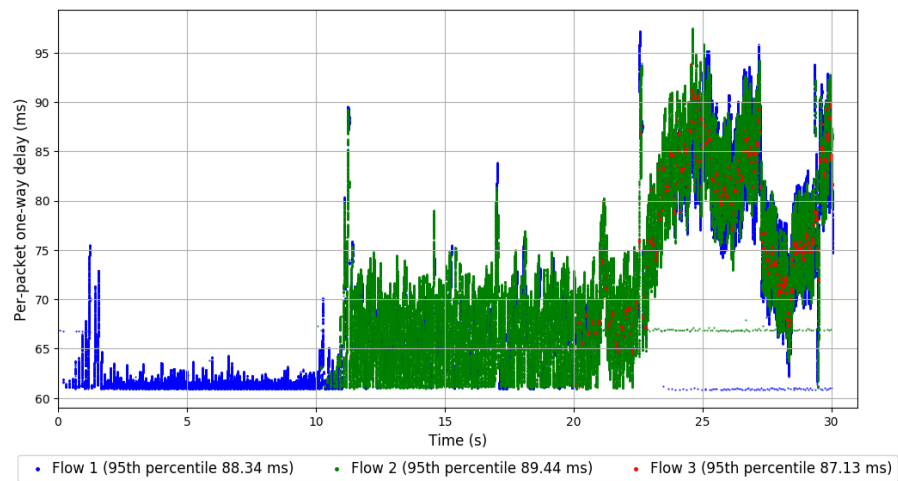
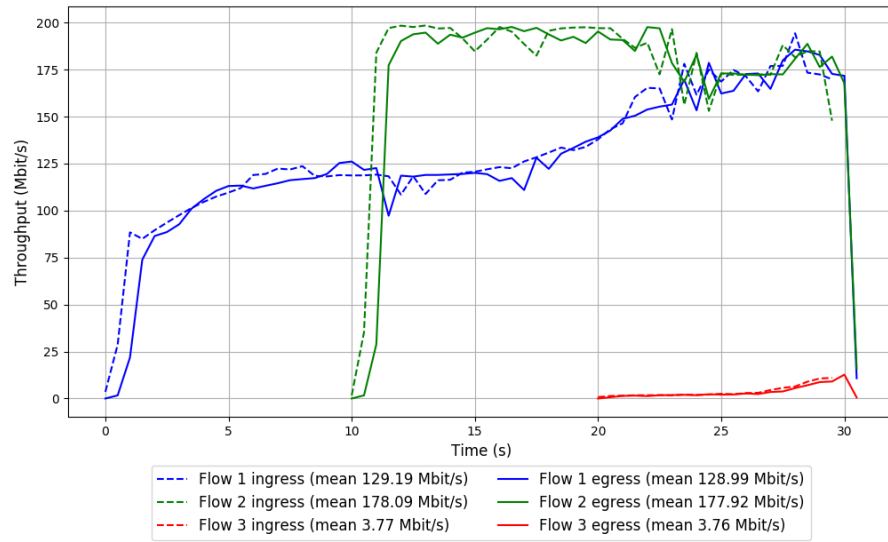
-- Flow 3:

Average throughput: 3.76 Mbit/s

95th percentile per-packet one-way delay: 87.132 ms

Loss rate: 0.06%

Run 10: Report of TCP Cubic — Data Link

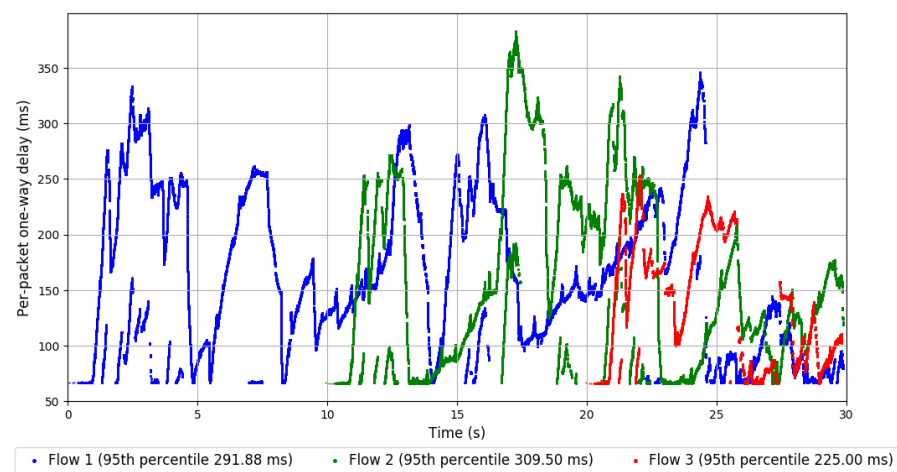
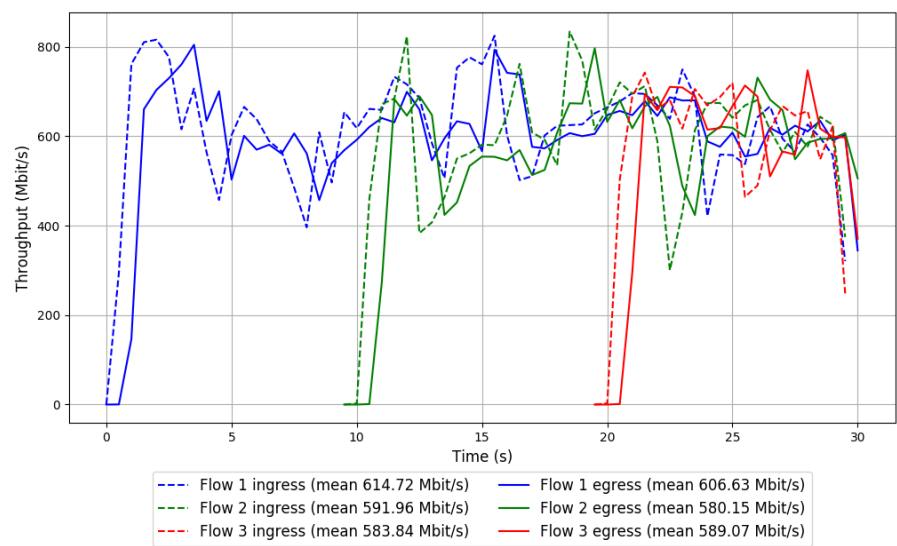


Run 1: Statistics of FillP

Start at: 2018-07-11 02:04:50
End at: 2018-07-11 02:05:20
Local clock offset: -0.042 ms
Remote clock offset: -0.457 ms

Below is generated by plot.py at 2018-07-11 06:53:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 1189.52 Mbit/s
95th percentile per-packet one-way delay: 294.505 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 606.63 Mbit/s
95th percentile per-packet one-way delay: 291.875 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 580.15 Mbit/s
95th percentile per-packet one-way delay: 309.495 ms
Loss rate: 1.99%
-- Flow 3:
Average throughput: 589.07 Mbit/s
95th percentile per-packet one-way delay: 224.999 ms
Loss rate: 0.05%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-11 02:28:40

End at: 2018-07-11 02:29:10

Local clock offset: -0.031 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-11 06:53:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 1111.90 Mbit/s

95th percentile per-packet one-way delay: 241.392 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 554.63 Mbit/s

95th percentile per-packet one-way delay: 231.437 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 571.15 Mbit/s

95th percentile per-packet one-way delay: 241.123 ms

Loss rate: 0.00%

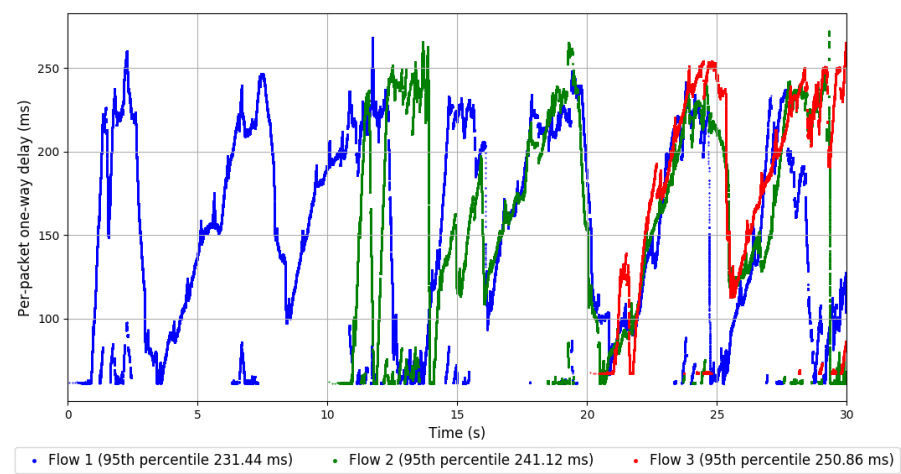
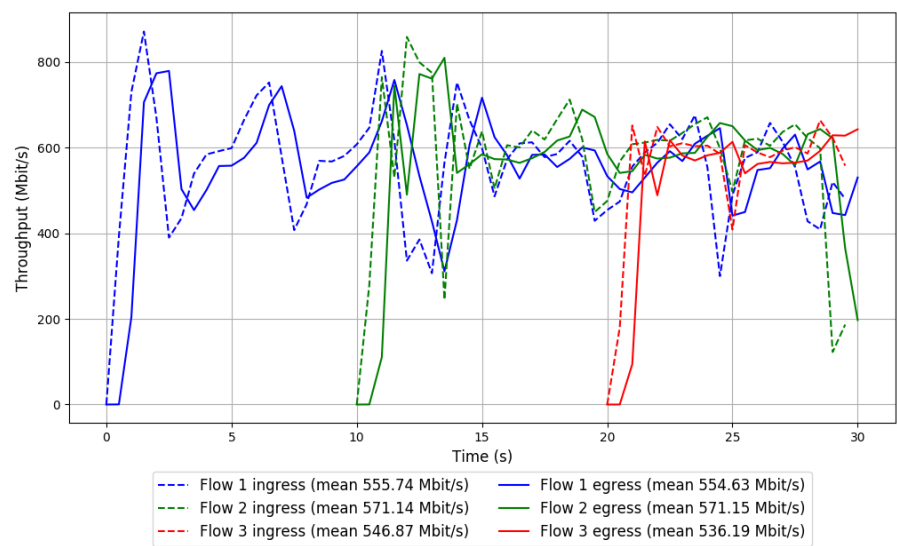
-- Flow 3:

Average throughput: 536.19 Mbit/s

95th percentile per-packet one-way delay: 250.857 ms

Loss rate: 2.01%

Run 2: Report of FillP — Data Link

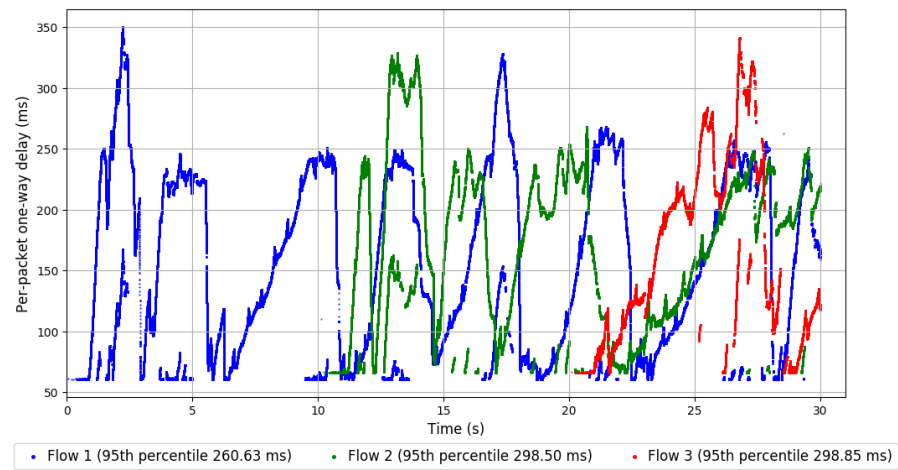
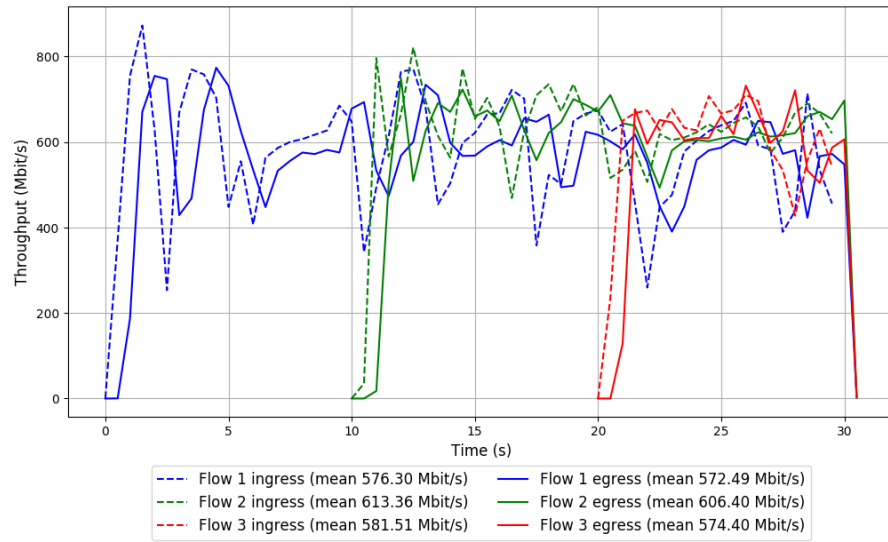


Run 3: Statistics of FillP

Start at: 2018-07-11 02:53:04
End at: 2018-07-11 02:53:34
Local clock offset: -0.045 ms
Remote clock offset: -0.441 ms

Below is generated by plot.py at 2018-07-11 06:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 1165.27 Mbit/s
95th percentile per-packet one-way delay: 283.308 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 572.49 Mbit/s
95th percentile per-packet one-way delay: 260.631 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 606.40 Mbit/s
95th percentile per-packet one-way delay: 298.500 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 574.40 Mbit/s
95th percentile per-packet one-way delay: 298.849 ms
Loss rate: 1.22%

Run 3: Report of FillP — Data Link

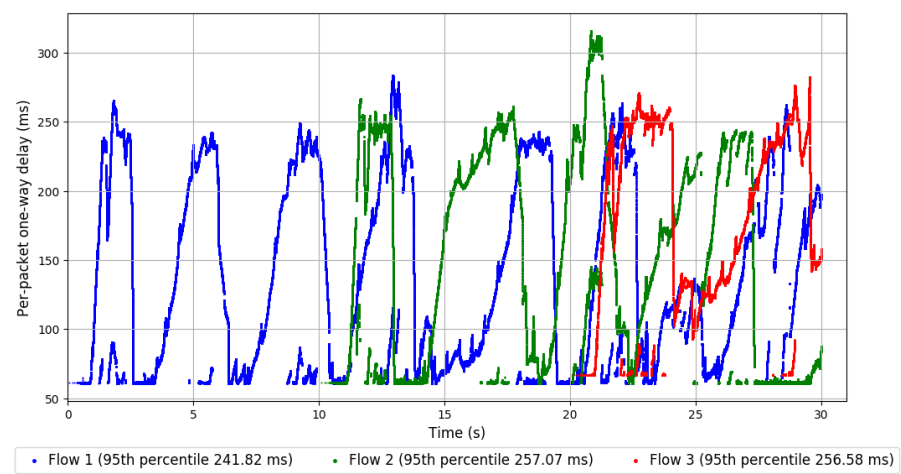
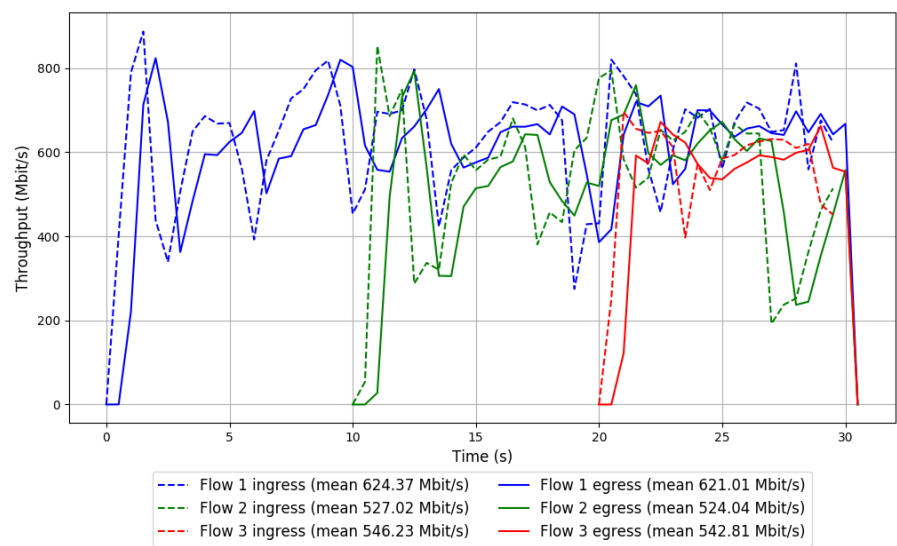


Run 4: Statistics of FillP

Start at: 2018-07-11 03:17:48
End at: 2018-07-11 03:18:18
Local clock offset: -0.031 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-07-11 06:54:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 1149.24 Mbit/s
95th percentile per-packet one-way delay: 253.776 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 621.01 Mbit/s
95th percentile per-packet one-way delay: 241.824 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 524.04 Mbit/s
95th percentile per-packet one-way delay: 257.073 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 542.81 Mbit/s
95th percentile per-packet one-way delay: 256.582 ms
Loss rate: 0.68%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-11 03:42:04

End at: 2018-07-11 03:42:34

Local clock offset: -0.025 ms

Remote clock offset: 0.003 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 1111.73 Mbit/s

95th percentile per-packet one-way delay: 261.662 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 561.08 Mbit/s

95th percentile per-packet one-way delay: 256.919 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 579.17 Mbit/s

95th percentile per-packet one-way delay: 278.687 ms

Loss rate: 0.56%

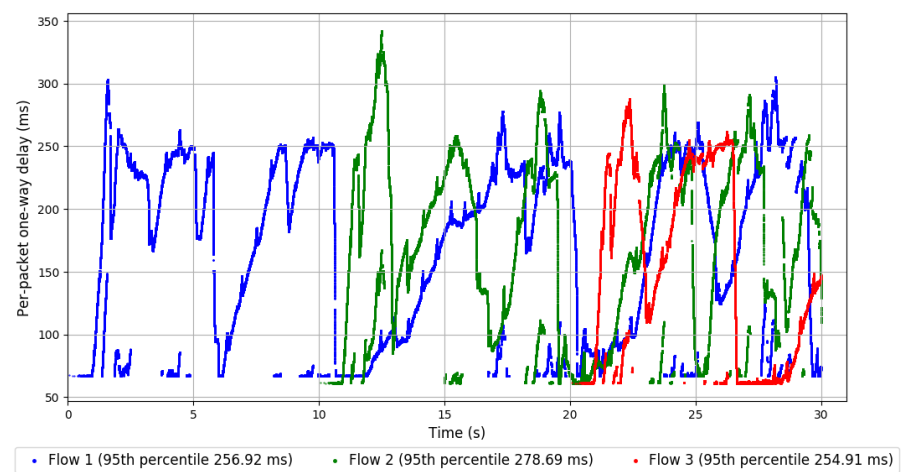
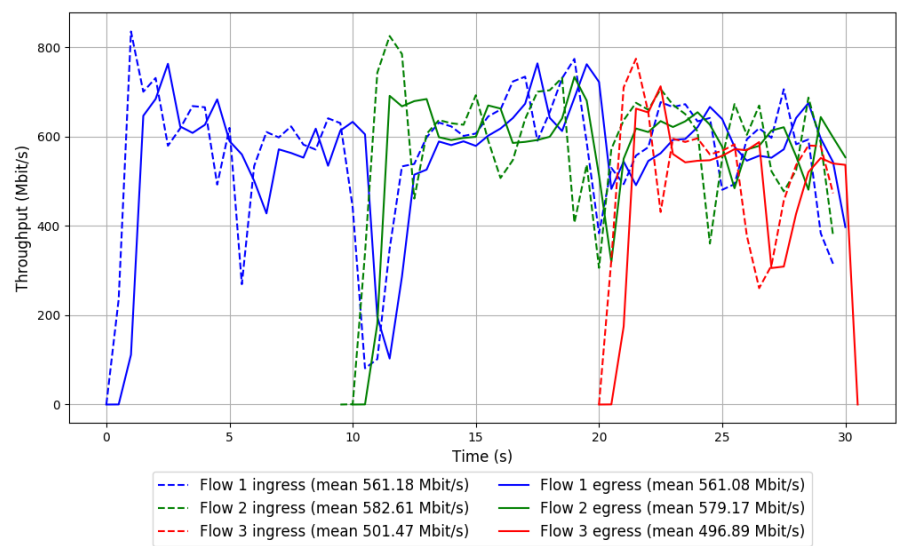
-- Flow 3:

Average throughput: 496.89 Mbit/s

95th percentile per-packet one-way delay: 254.906 ms

Loss rate: 0.83%

Run 5: Report of FillP — Data Link

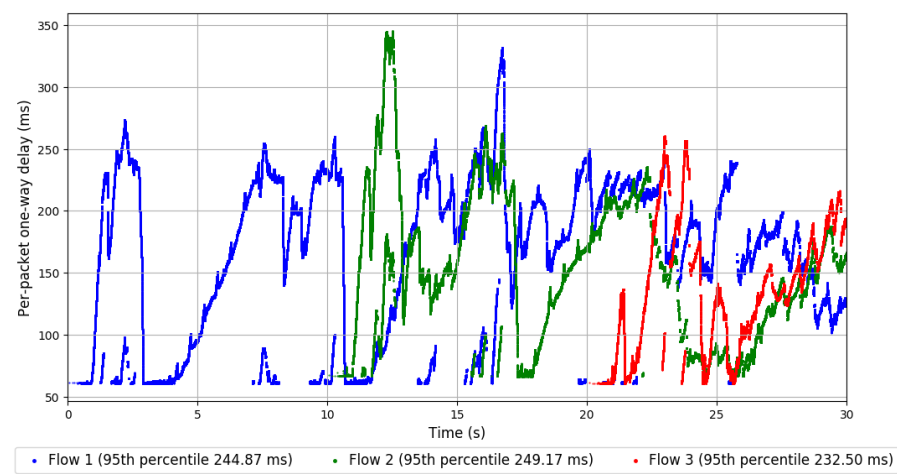
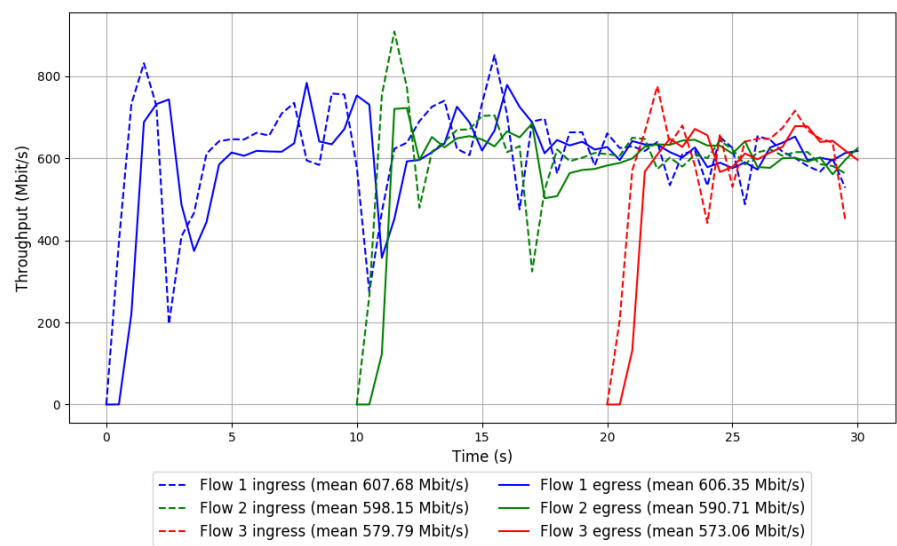


Run 6: Statistics of FillP

Start at: 2018-07-11 04:06:11
End at: 2018-07-11 04:06:41
Local clock offset: -0.015 ms
Remote clock offset: -0.351 ms

Below is generated by plot.py at 2018-07-11 06:57:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 1189.14 Mbit/s
95th percentile per-packet one-way delay: 244.252 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 606.35 Mbit/s
95th percentile per-packet one-way delay: 244.871 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 590.71 Mbit/s
95th percentile per-packet one-way delay: 249.167 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 573.06 Mbit/s
95th percentile per-packet one-way delay: 232.501 ms
Loss rate: 1.03%

Run 6: Report of FillP — Data Link

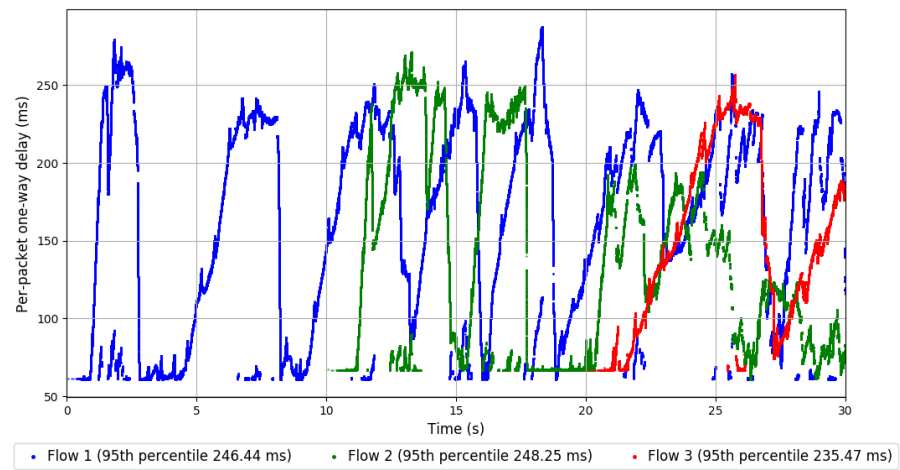
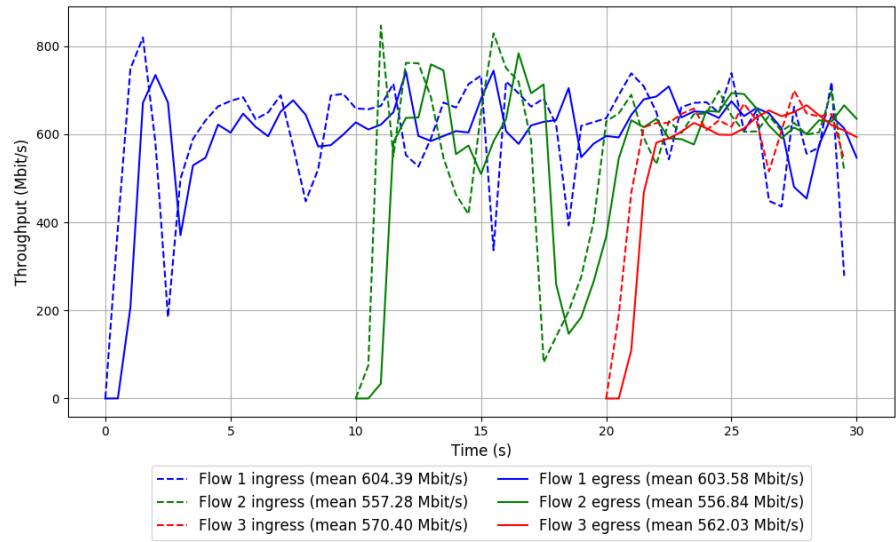


Run 7: Statistics of FillP

Start at: 2018-07-11 04:30:35
End at: 2018-07-11 04:31:05
Local clock offset: 0.036 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-11 06:57:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 1159.95 Mbit/s
95th percentile per-packet one-way delay: 245.202 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 603.58 Mbit/s
95th percentile per-packet one-way delay: 246.435 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 556.84 Mbit/s
95th percentile per-packet one-way delay: 248.247 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 562.03 Mbit/s
95th percentile per-packet one-way delay: 235.473 ms
Loss rate: 1.46%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-11 04:54:50

End at: 2018-07-11 04:55:20

Local clock offset: -0.022 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-11 06:57:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 1086.70 Mbit/s

95th percentile per-packet one-way delay: 259.349 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 606.42 Mbit/s

95th percentile per-packet one-way delay: 247.312 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 416.27 Mbit/s

95th percentile per-packet one-way delay: 262.645 ms

Loss rate: 0.00%

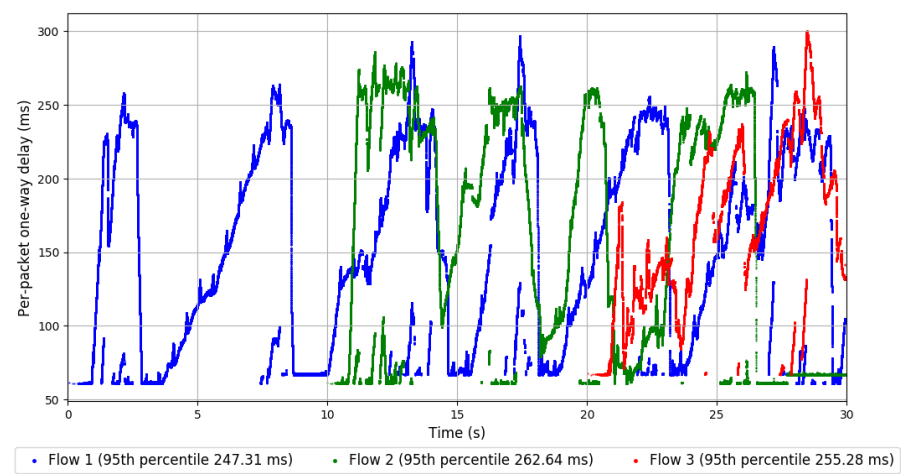
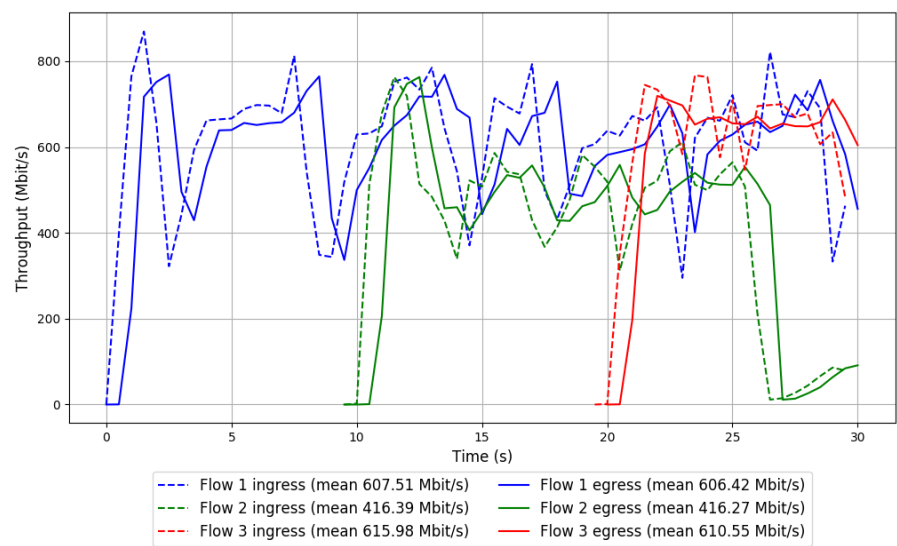
-- Flow 3:

Average throughput: 610.55 Mbit/s

95th percentile per-packet one-way delay: 255.277 ms

Loss rate: 0.79%

Run 8: Report of FillP — Data Link

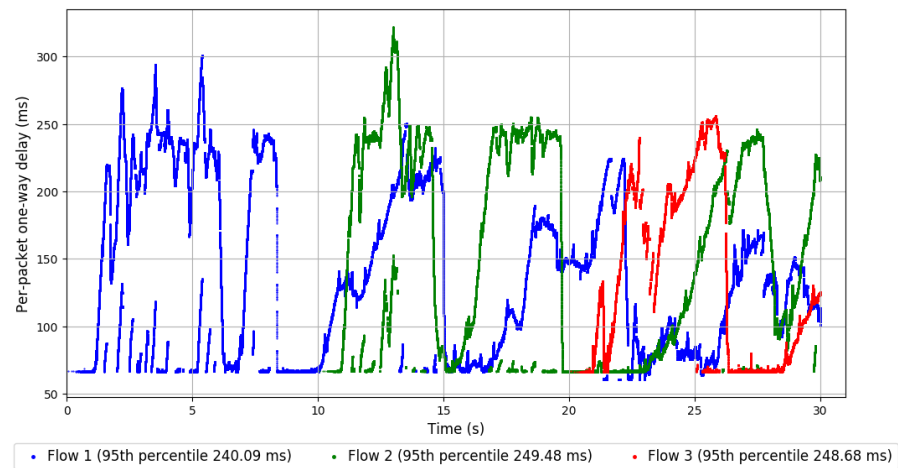
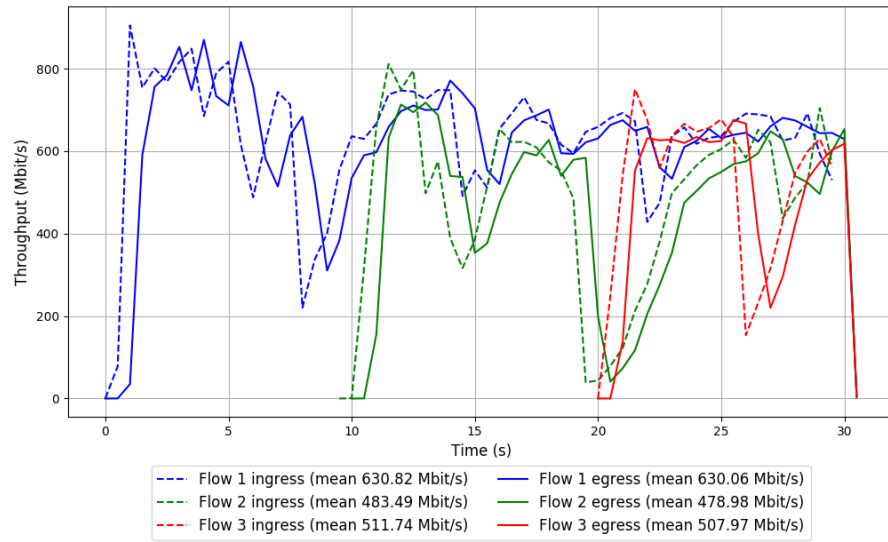


Run 9: Statistics of FillP

Start at: 2018-07-11 05:18:59
End at: 2018-07-11 05:19:29
Local clock offset: -0.006 ms
Remote clock offset: -0.292 ms

Below is generated by plot.py at 2018-07-11 07:16:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 1117.47 Mbit/s
95th percentile per-packet one-way delay: 245.201 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 630.06 Mbit/s
95th percentile per-packet one-way delay: 240.090 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 478.98 Mbit/s
95th percentile per-packet one-way delay: 249.478 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 507.97 Mbit/s
95th percentile per-packet one-way delay: 248.684 ms
Loss rate: 0.73%

Run 9: Report of FillP — Data Link

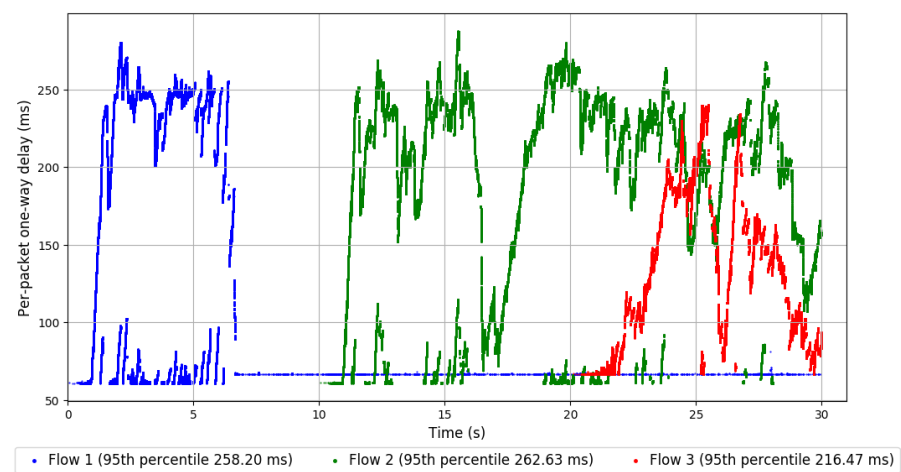
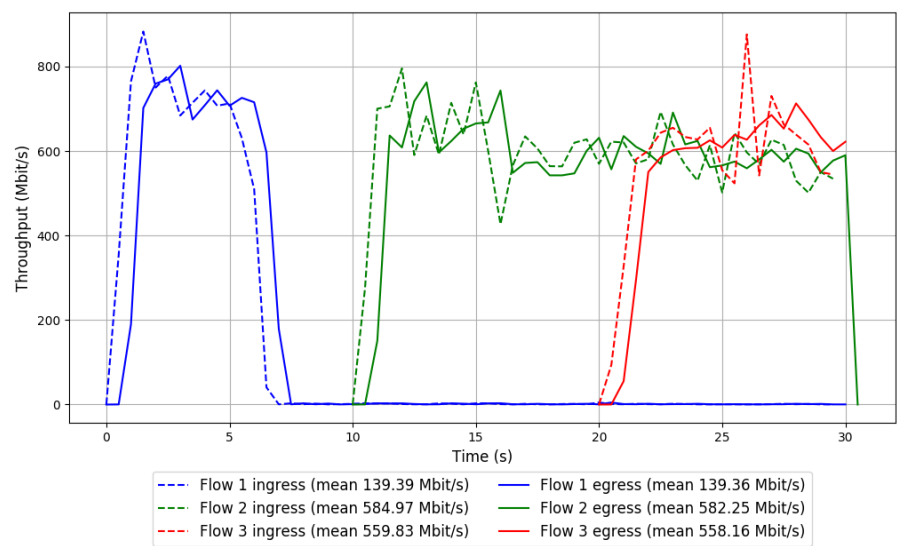


Run 10: Statistics of FillP

Start at: 2018-07-11 05:43:31
End at: 2018-07-11 05:44:01
Local clock offset: 0.007 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2018-07-11 07:16:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 711.16 Mbit/s
95th percentile per-packet one-way delay: 257.913 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 139.36 Mbit/s
95th percentile per-packet one-way delay: 258.205 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 582.25 Mbit/s
95th percentile per-packet one-way delay: 262.627 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 558.16 Mbit/s
95th percentile per-packet one-way delay: 216.470 ms
Loss rate: 0.12%

Run 10: Report of FillP — Data Link

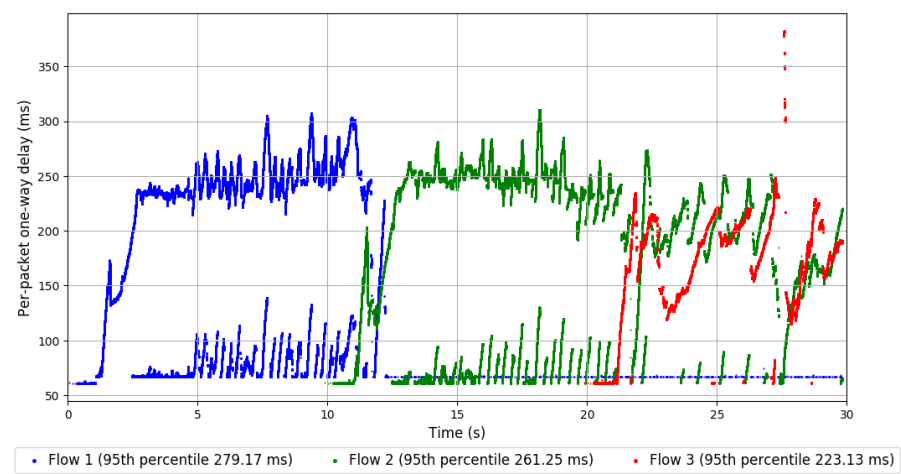
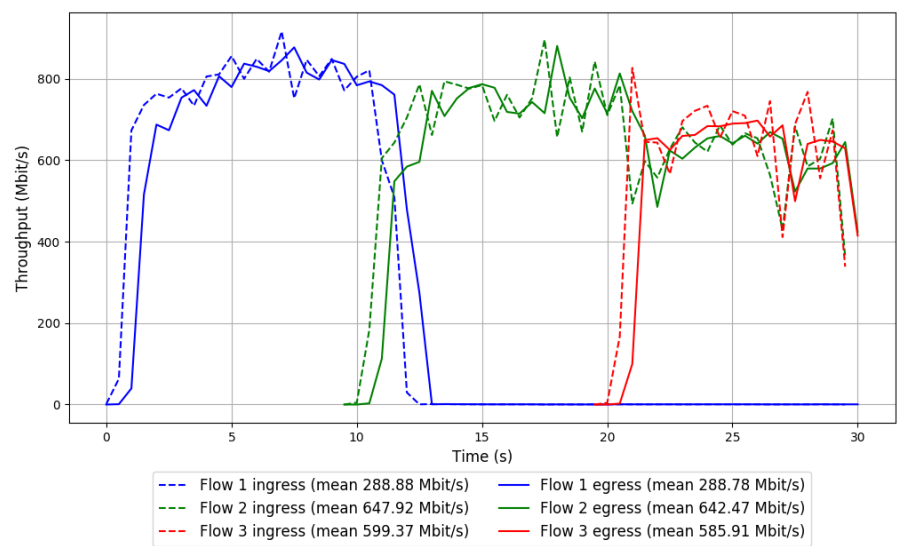


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-11 01:59:26
End at: 2018-07-11 01:59:56
Local clock offset: -0.111 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-07-11 07:16:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 913.75 Mbit/s
95th percentile per-packet one-way delay: 265.819 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 288.78 Mbit/s
95th percentile per-packet one-way delay: 279.166 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 642.47 Mbit/s
95th percentile per-packet one-way delay: 261.252 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 585.91 Mbit/s
95th percentile per-packet one-way delay: 223.126 ms
Loss rate: 2.18%

Run 1: Report of FillP-Sheep — Data Link

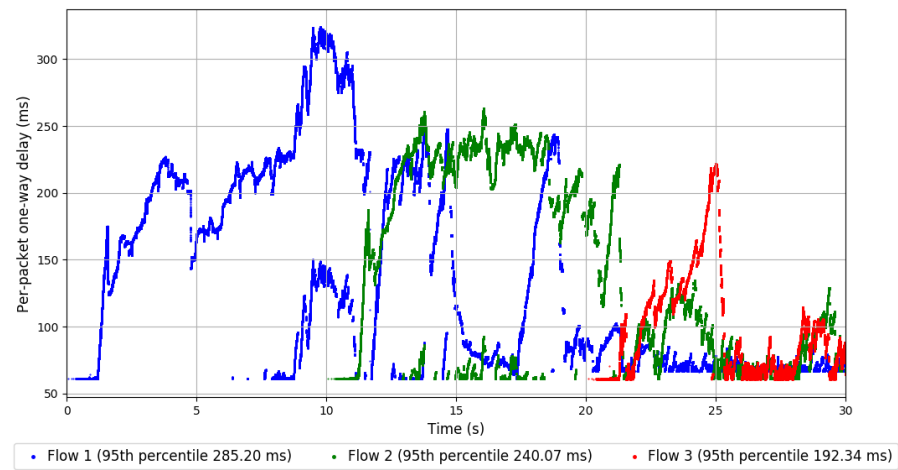
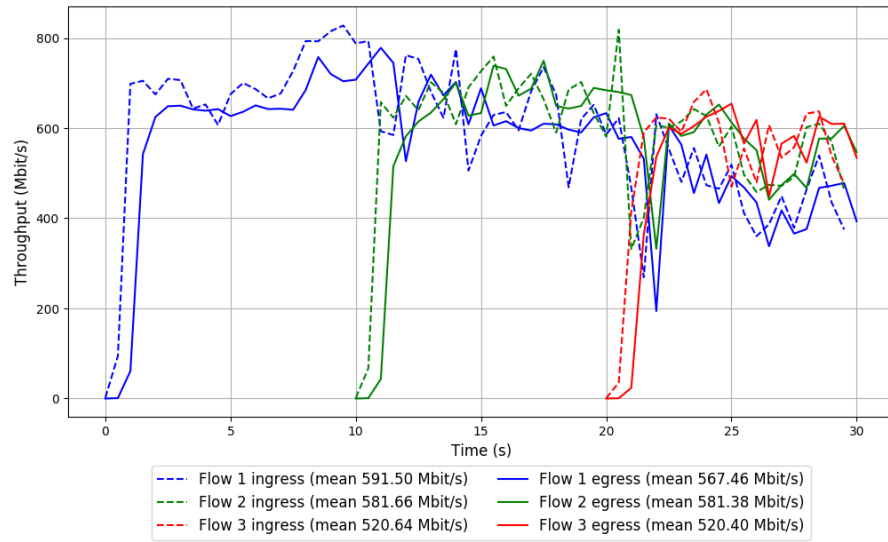


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-11 02:23:09
End at: 2018-07-11 02:23:39
Local clock offset: 0.044 ms
Remote clock offset: -0.306 ms

Below is generated by plot.py at 2018-07-11 07:17:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 1126.83 Mbit/s
95th percentile per-packet one-way delay: 244.655 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 567.46 Mbit/s
95th percentile per-packet one-way delay: 285.197 ms
Loss rate: 4.07%
-- Flow 2:
Average throughput: 581.38 Mbit/s
95th percentile per-packet one-way delay: 240.073 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 520.40 Mbit/s
95th percentile per-packet one-way delay: 192.337 ms
Loss rate: 0.04%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-11 02:47:33

End at: 2018-07-11 02:48:03

Local clock offset: 0.024 ms

Remote clock offset: 1.072 ms

Below is generated by plot.py at 2018-07-11 07:17:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 1133.02 Mbit/s

95th percentile per-packet one-way delay: 250.984 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 575.23 Mbit/s

95th percentile per-packet one-way delay: 248.078 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 585.87 Mbit/s

95th percentile per-packet one-way delay: 253.847 ms

Loss rate: 0.16%

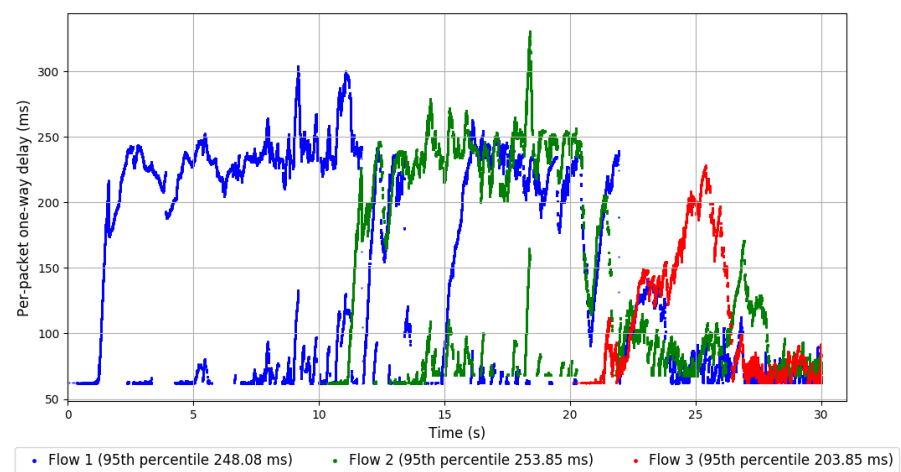
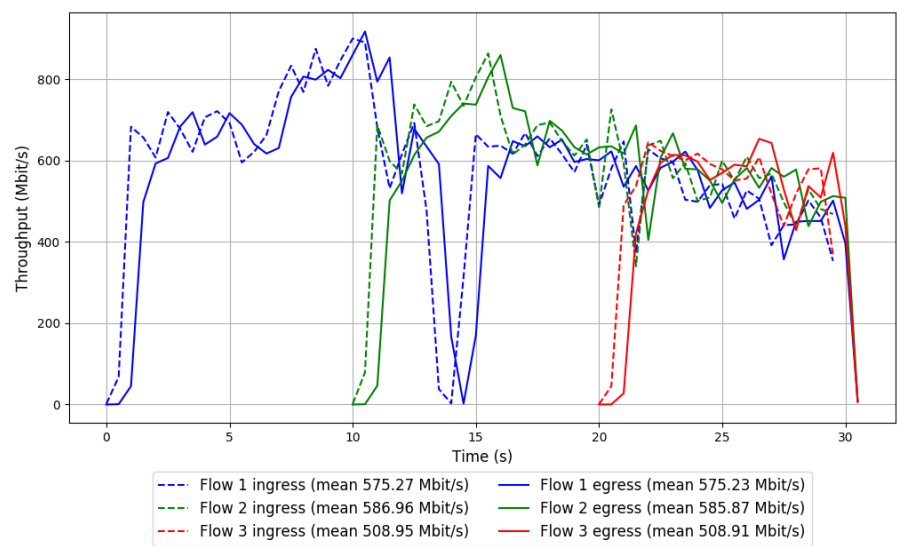
-- Flow 3:

Average throughput: 508.91 Mbit/s

95th percentile per-packet one-way delay: 203.853 ms

Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link

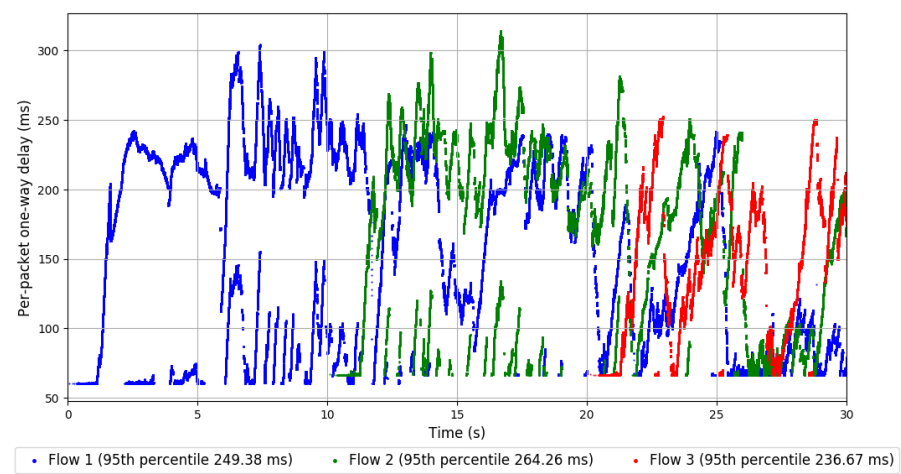
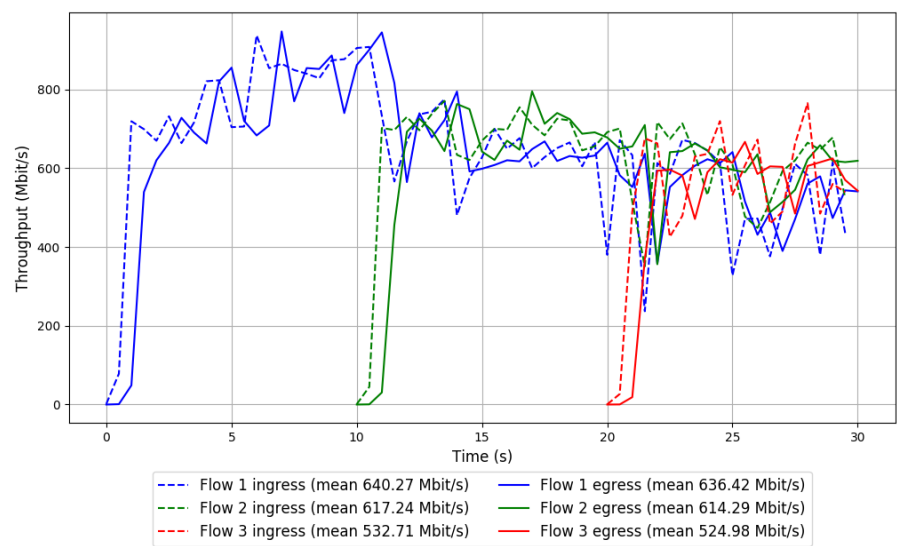


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-11 03:12:15
End at: 2018-07-11 03:12:45
Local clock offset: -0.034 ms
Remote clock offset: -0.508 ms

Below is generated by plot.py at 2018-07-11 07:21:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 1217.95 Mbit/s
95th percentile per-packet one-way delay: 251.935 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 636.42 Mbit/s
95th percentile per-packet one-way delay: 249.378 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 614.29 Mbit/s
95th percentile per-packet one-way delay: 264.257 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 524.98 Mbit/s
95th percentile per-packet one-way delay: 236.666 ms
Loss rate: 1.51%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-11 03:36:32

End at: 2018-07-11 03:37:02

Local clock offset: -0.022 ms

Remote clock offset: 0.961 ms

Below is generated by plot.py at 2018-07-11 07:22:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 1150.99 Mbit/s

95th percentile per-packet one-way delay: 251.076 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 601.77 Mbit/s

95th percentile per-packet one-way delay: 254.173 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 573.34 Mbit/s

95th percentile per-packet one-way delay: 229.436 ms

Loss rate: 0.00%

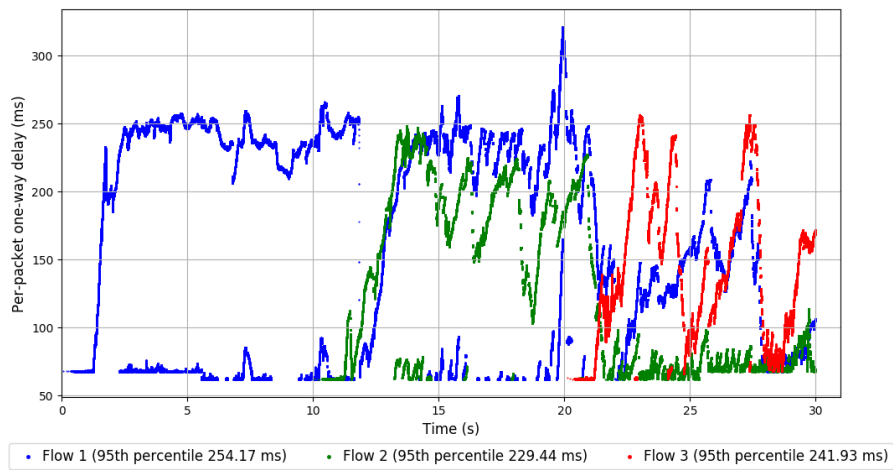
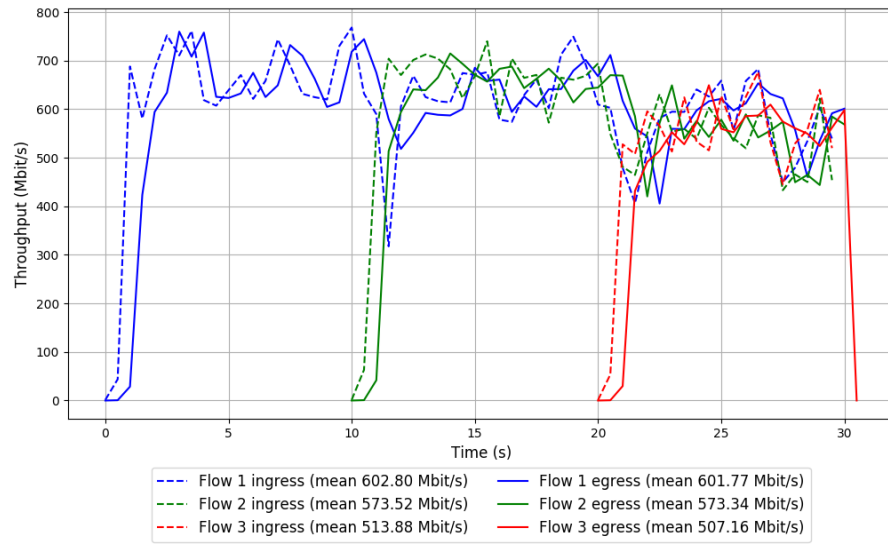
-- Flow 3:

Average throughput: 507.16 Mbit/s

95th percentile per-packet one-way delay: 241.928 ms

Loss rate: 1.15%

Run 5: Report of FillP-Sheep — Data Link

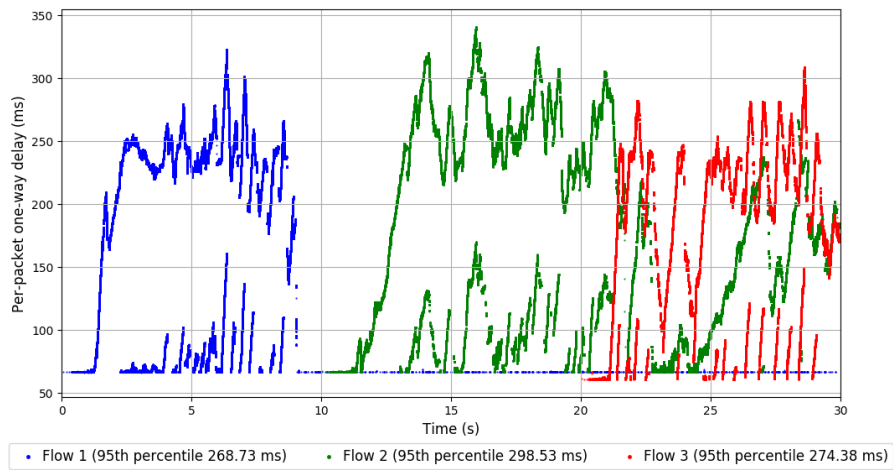
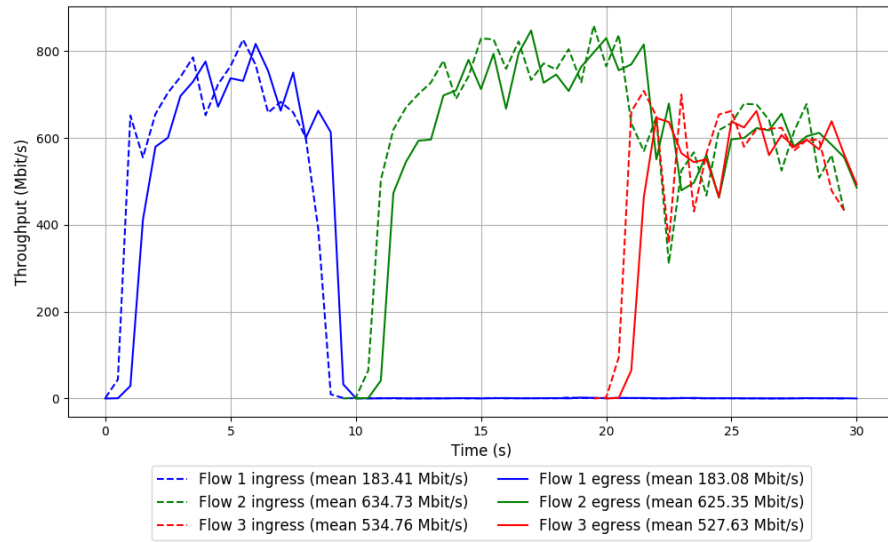


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-11 04:00:54
End at: 2018-07-11 04:01:24
Local clock offset: -0.035 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-11 07:22:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 774.63 Mbit/s
95th percentile per-packet one-way delay: 288.978 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 183.08 Mbit/s
95th percentile per-packet one-way delay: 268.727 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 625.35 Mbit/s
95th percentile per-packet one-way delay: 298.526 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 527.63 Mbit/s
95th percentile per-packet one-way delay: 274.382 ms
Loss rate: 1.27%

Run 6: Report of FillP-Sheep — Data Link

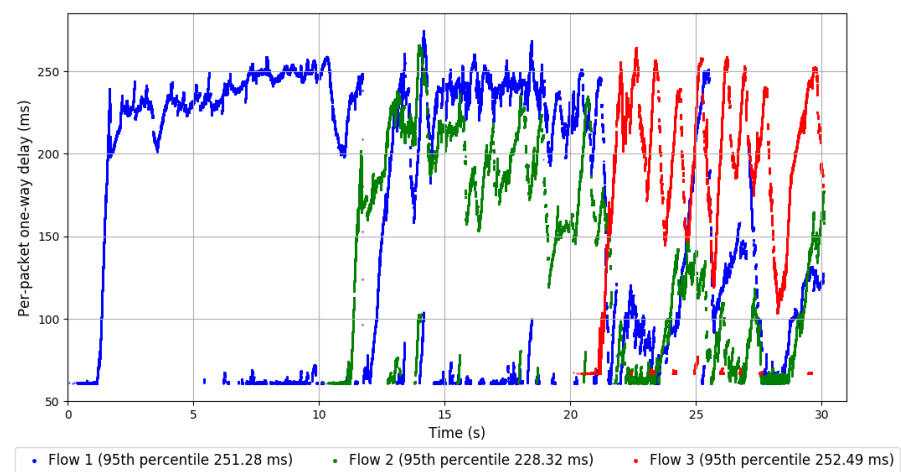
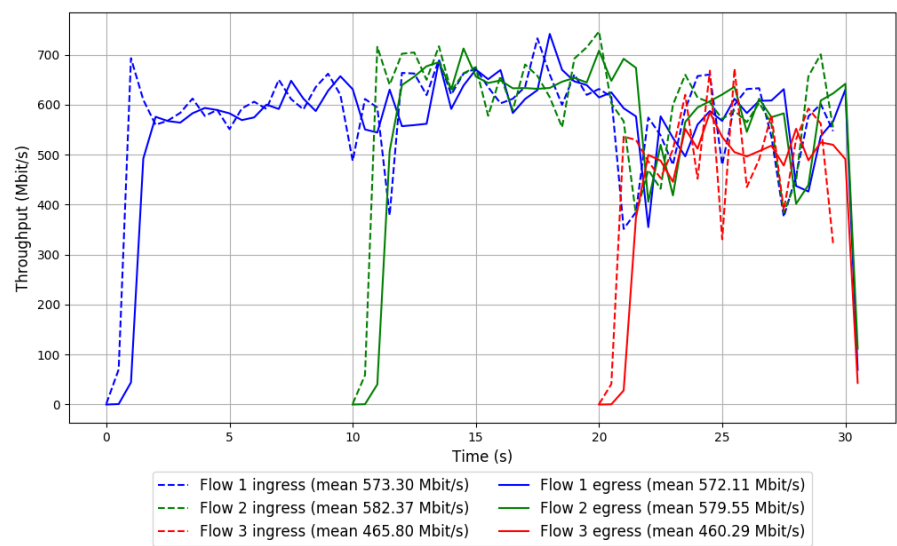


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-11 04:25:07
End at: 2018-07-11 04:25:37
Local clock offset: -0.015 ms
Remote clock offset: -0.338 ms

Below is generated by plot.py at 2018-07-11 07:35:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 1110.03 Mbit/s
95th percentile per-packet one-way delay: 250.077 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 572.11 Mbit/s
95th percentile per-packet one-way delay: 251.281 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 579.55 Mbit/s
95th percentile per-packet one-way delay: 228.319 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 460.29 Mbit/s
95th percentile per-packet one-way delay: 252.487 ms
Loss rate: 0.63%

Run 7: Report of FillP-Sheep — Data Link

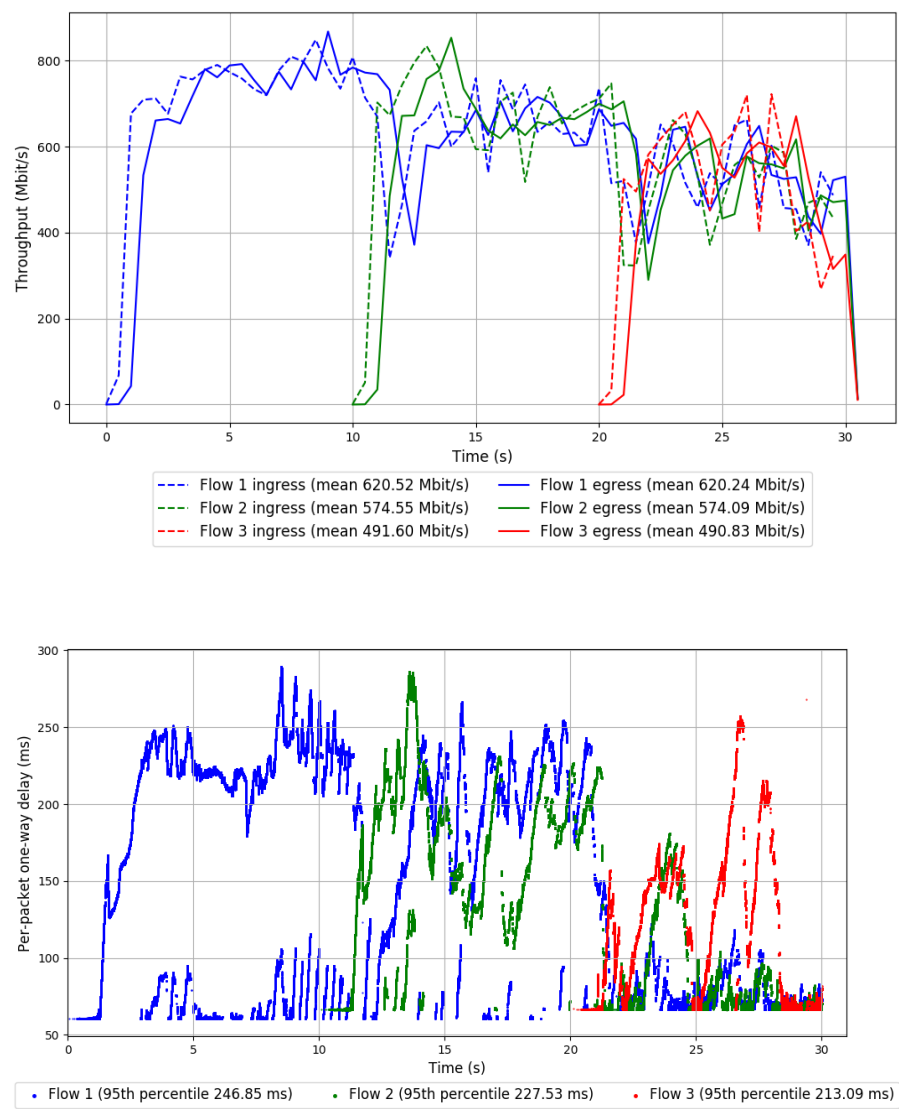


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-11 04:49:19
End at: 2018-07-11 04:49:49
Local clock offset: -0.018 ms
Remote clock offset: -0.403 ms

Below is generated by plot.py at 2018-07-11 07:40:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 1164.33 Mbit/s
95th percentile per-packet one-way delay: 244.572 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 620.24 Mbit/s
95th percentile per-packet one-way delay: 246.851 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 574.09 Mbit/s
95th percentile per-packet one-way delay: 227.525 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 490.83 Mbit/s
95th percentile per-packet one-way delay: 213.087 ms
Loss rate: 0.15%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-11 05:13:35

End at: 2018-07-11 05:14:05

Local clock offset: 0.017 ms

Remote clock offset: -0.22 ms

Below is generated by plot.py at 2018-07-11 07:40:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 968.84 Mbit/s

95th percentile per-packet one-way delay: 262.951 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 436.96 Mbit/s

95th percentile per-packet one-way delay: 266.858 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 546.79 Mbit/s

95th percentile per-packet one-way delay: 262.591 ms

Loss rate: 0.01%

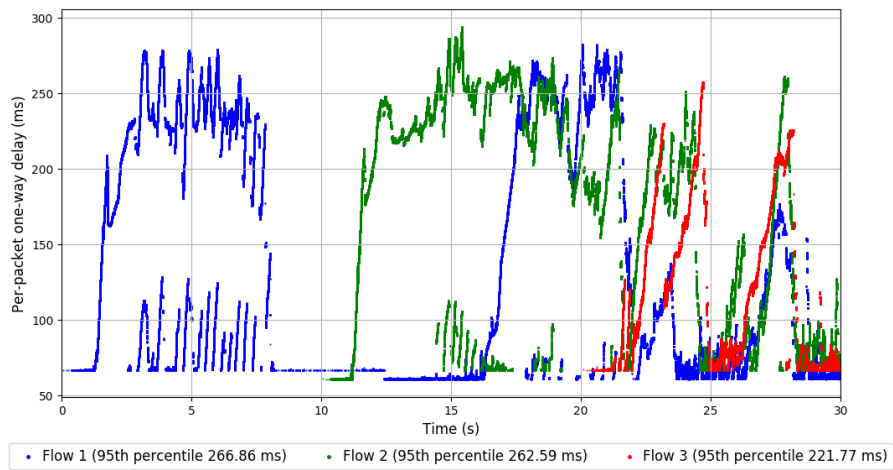
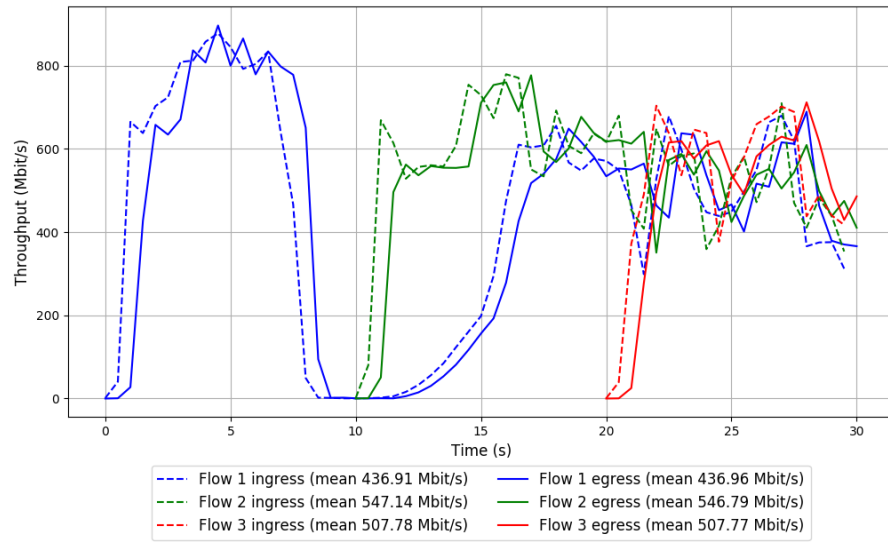
-- Flow 3:

Average throughput: 507.77 Mbit/s

95th percentile per-packet one-way delay: 221.767 ms

Loss rate: 0.02%

Run 9: Report of FillP-Sheep — Data Link

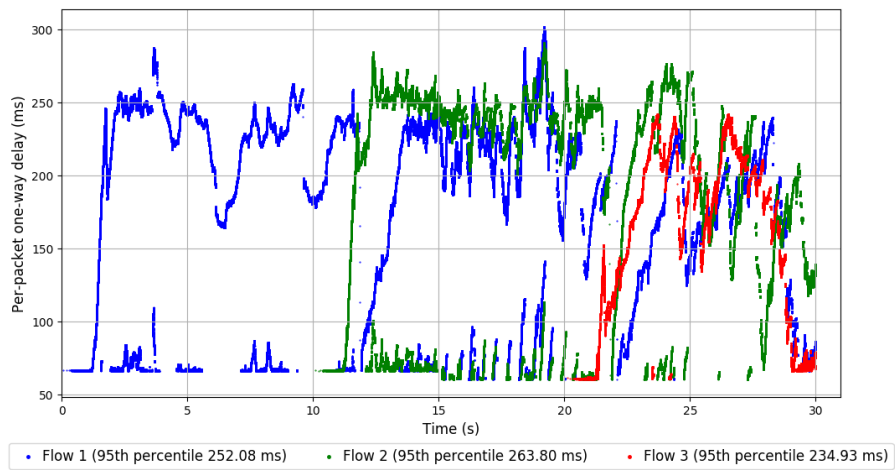
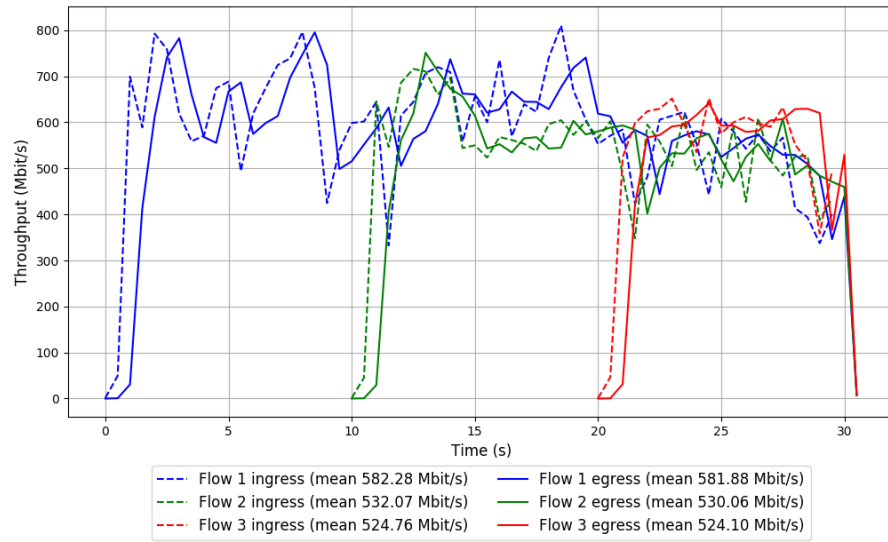


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-11 05:38:03
End at: 2018-07-11 05:38:33
Local clock offset: -0.006 ms
Remote clock offset: -0.389 ms

Below is generated by plot.py at 2018-07-11 07:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 1107.63 Mbit/s
95th percentile per-packet one-way delay: 256.969 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 581.88 Mbit/s
95th percentile per-packet one-way delay: 252.082 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 530.06 Mbit/s
95th percentile per-packet one-way delay: 263.795 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 524.10 Mbit/s
95th percentile per-packet one-way delay: 234.926 ms
Loss rate: 0.10%

Run 10: Report of FillP-Sheep — Data Link

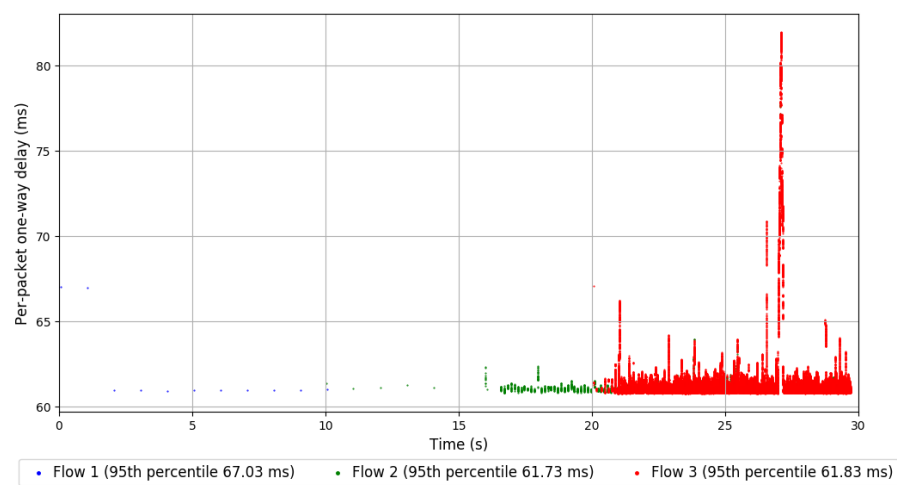
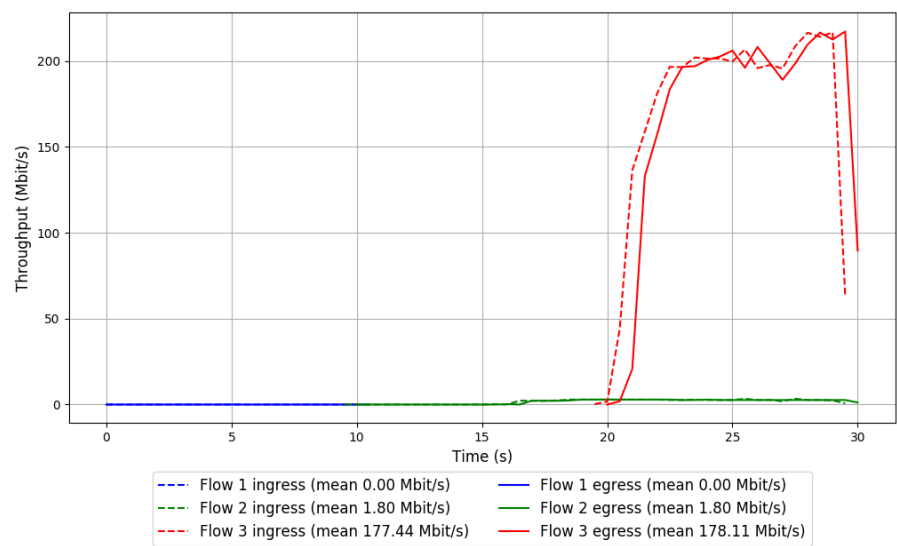


Run 1: Statistics of Indigo

Start at: 2018-07-11 02:15:06
End at: 2018-07-11 02:15:36
Local clock offset: -0.061 ms
Remote clock offset: -0.254 ms

Below is generated by plot.py at 2018-07-11 07:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.15 Mbit/s
95th percentile per-packet one-way delay: 61.824 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 67.030 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 61.735 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 178.11 Mbit/s
95th percentile per-packet one-way delay: 61.828 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

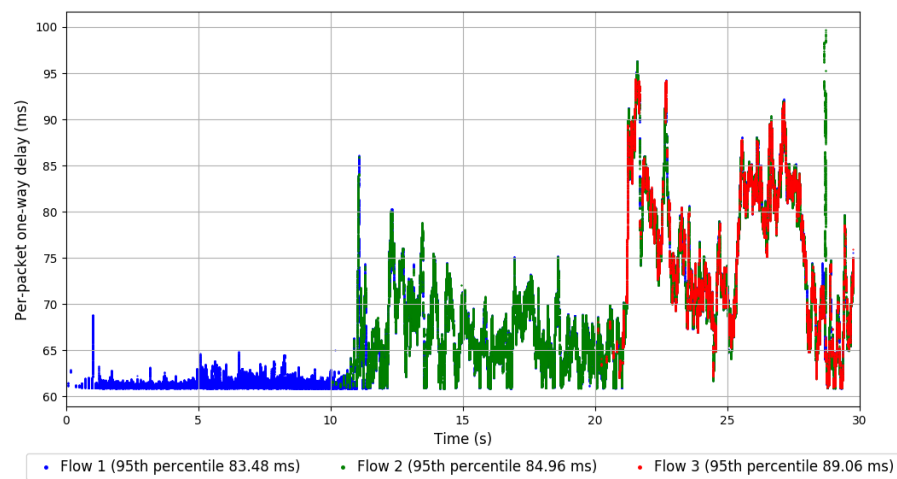
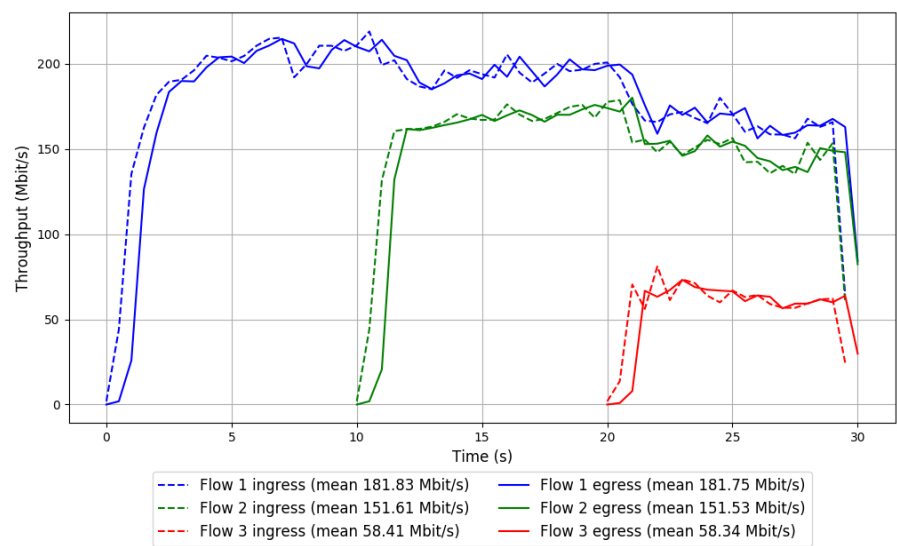


Run 2: Statistics of Indigo

Start at: 2018-07-11 02:39:09
End at: 2018-07-11 02:39:39
Local clock offset: -0.006 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-11 07:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 301.16 Mbit/s
95th percentile per-packet one-way delay: 84.411 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 181.75 Mbit/s
95th percentile per-packet one-way delay: 83.482 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 151.53 Mbit/s
95th percentile per-packet one-way delay: 84.960 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 58.34 Mbit/s
95th percentile per-packet one-way delay: 89.065 ms
Loss rate: 0.03%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-11 03:03:45

End at: 2018-07-11 03:04:15

Local clock offset: 0.016 ms

Remote clock offset: -0.39 ms

Below is generated by plot.py at 2018-07-11 07:42:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 303.64 Mbit/s

95th percentile per-packet one-way delay: 79.917 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 191.21 Mbit/s

95th percentile per-packet one-way delay: 78.382 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 139.86 Mbit/s

95th percentile per-packet one-way delay: 80.951 ms

Loss rate: 0.00%

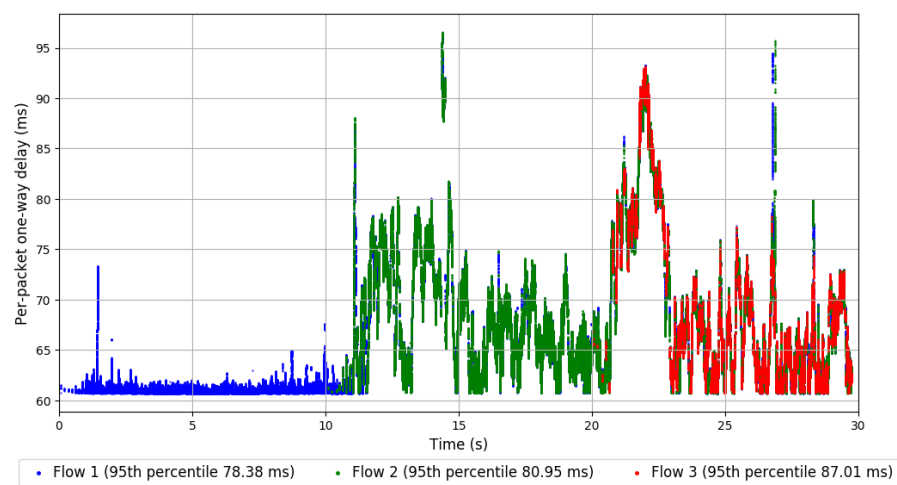
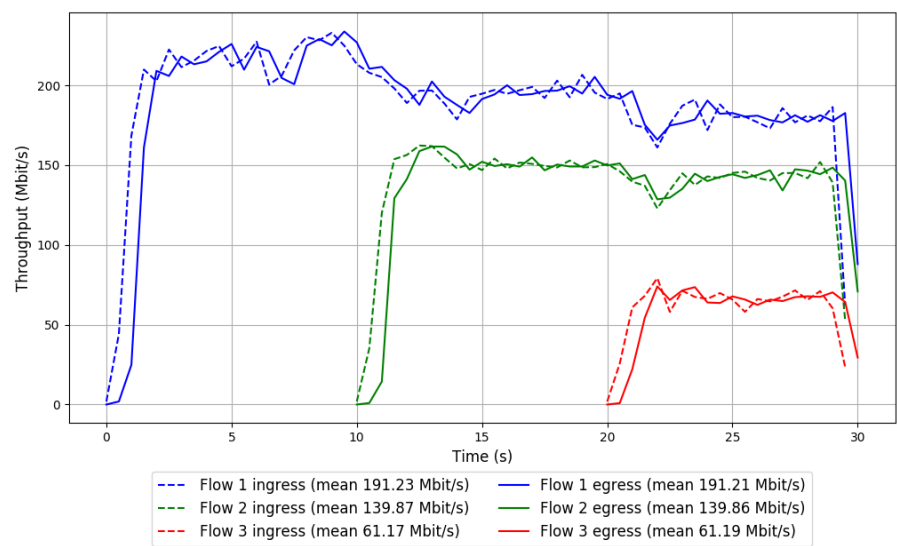
-- Flow 3:

Average throughput: 61.19 Mbit/s

95th percentile per-packet one-way delay: 87.007 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

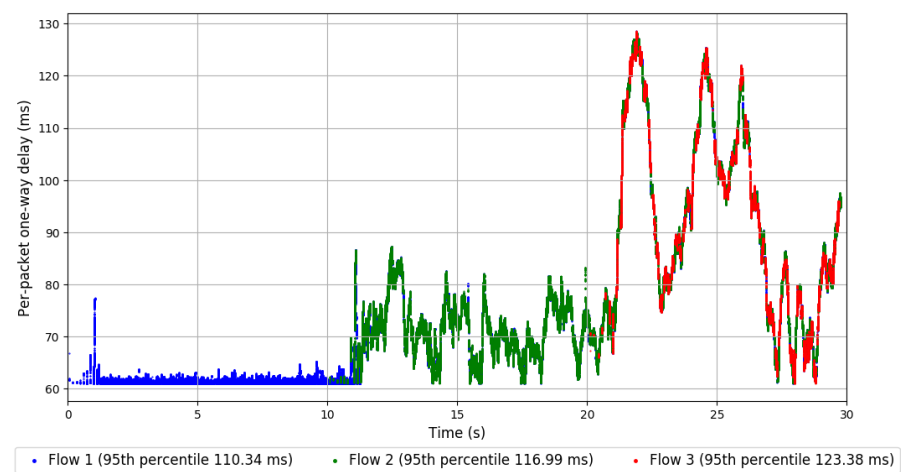
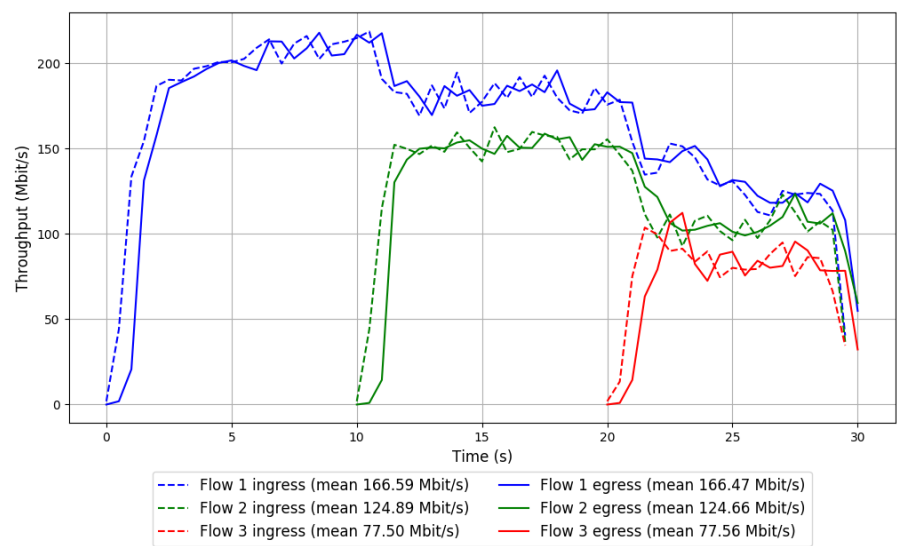


Run 4: Statistics of Indigo

Start at: 2018-07-11 03:28:06
End at: 2018-07-11 03:28:36
Local clock offset: -0.042 ms
Remote clock offset: -0.173 ms

```
# Below is generated by plot.py at 2018-07-11 07:42:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 273.98 Mbit/s
95th percentile per-packet one-way delay: 116.813 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 166.47 Mbit/s
95th percentile per-packet one-way delay: 110.338 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 124.66 Mbit/s
95th percentile per-packet one-way delay: 116.993 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 77.56 Mbit/s
95th percentile per-packet one-way delay: 123.381 ms
Loss rate: 0.66%
```

Run 4: Report of Indigo — Data Link

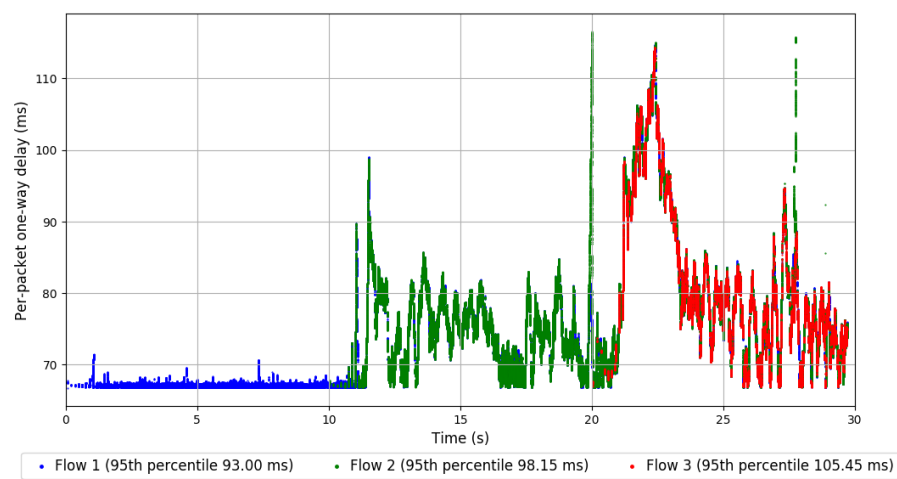
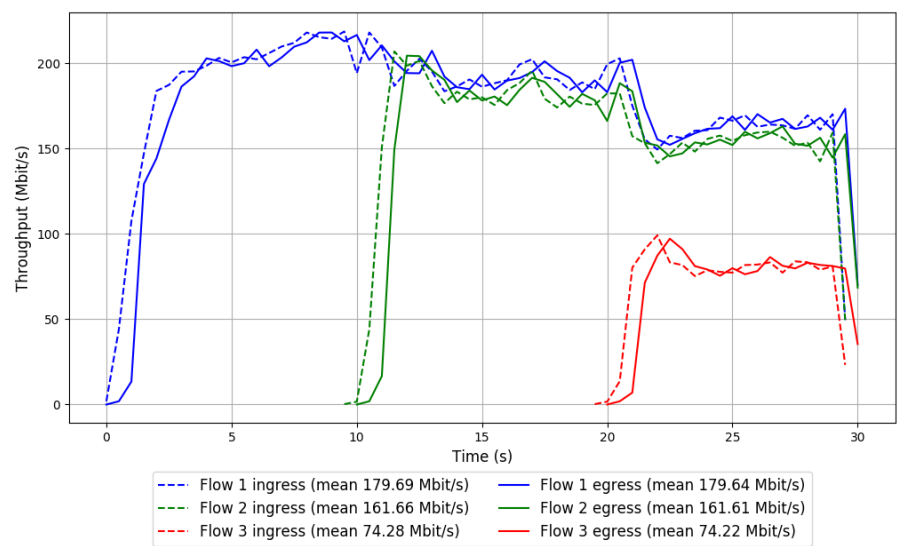


Run 5: Statistics of Indigo

Start at: 2018-07-11 03:52:27
End at: 2018-07-11 03:52:57
Local clock offset: -0.02 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-07-11 07:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 311.05 Mbit/s
95th percentile per-packet one-way delay: 96.745 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 179.64 Mbit/s
95th percentile per-packet one-way delay: 92.999 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 161.61 Mbit/s
95th percentile per-packet one-way delay: 98.152 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 74.22 Mbit/s
95th percentile per-packet one-way delay: 105.446 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

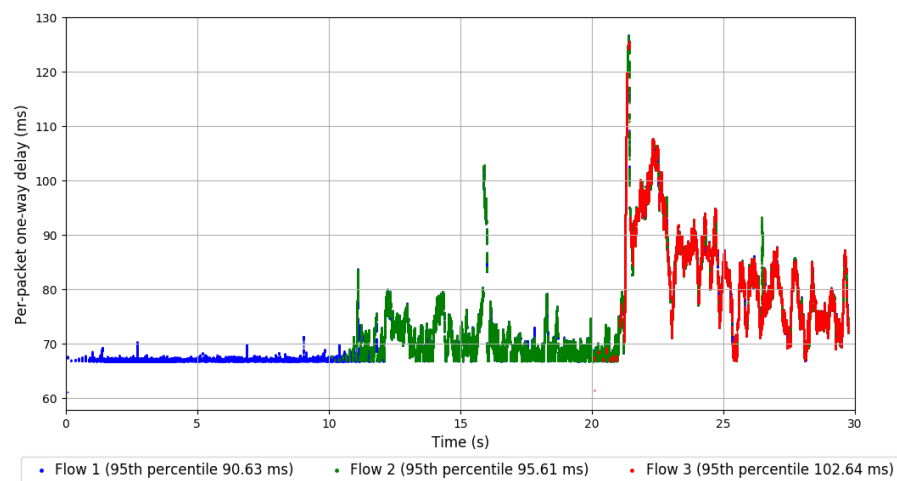
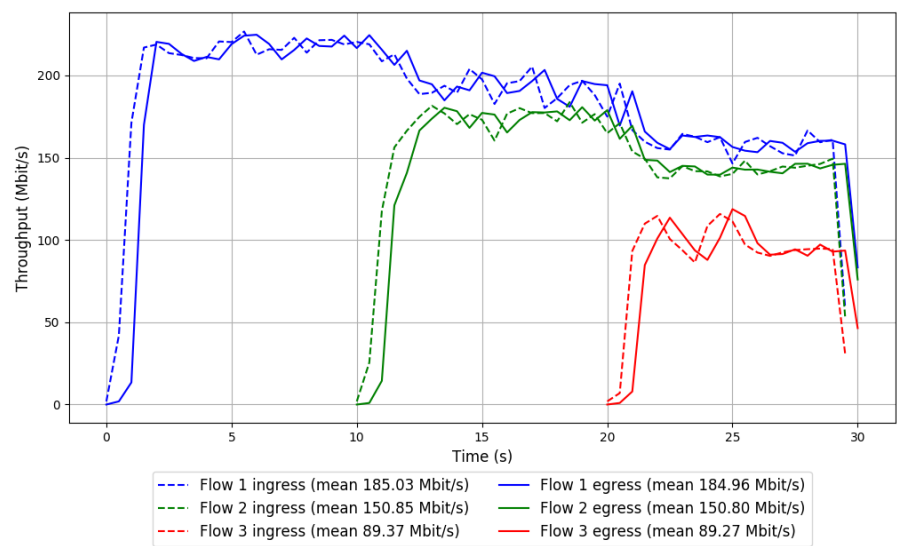


Run 6: Statistics of Indigo

Start at: 2018-07-11 04:16:43
End at: 2018-07-11 04:17:13
Local clock offset: -0.027 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-07-11 07:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 313.79 Mbit/s
95th percentile per-packet one-way delay: 94.662 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 184.96 Mbit/s
95th percentile per-packet one-way delay: 90.631 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 150.80 Mbit/s
95th percentile per-packet one-way delay: 95.612 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 89.27 Mbit/s
95th percentile per-packet one-way delay: 102.641 ms
Loss rate: 0.03%

Run 6: Report of Indigo — Data Link

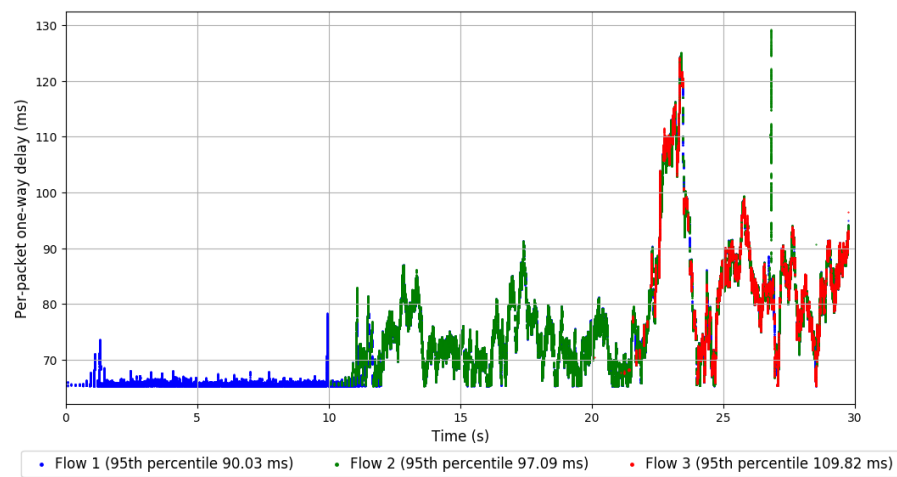
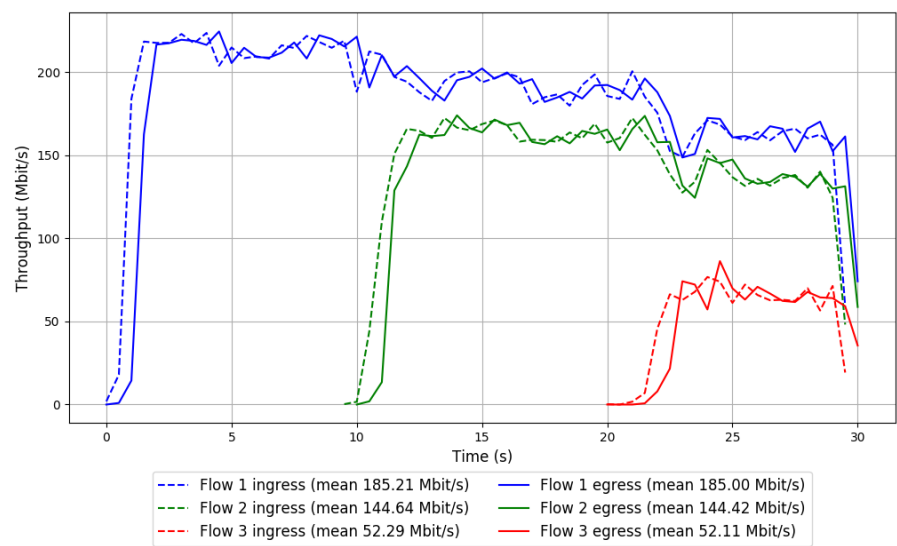


Run 7: Statistics of Indigo

Start at: 2018-07-11 04:41:14
End at: 2018-07-11 04:41:44
Local clock offset: 0.017 ms
Remote clock offset: -1.425 ms

Below is generated by plot.py at 2018-07-11 07:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 297.71 Mbit/s
95th percentile per-packet one-way delay: 94.429 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 185.00 Mbit/s
95th percentile per-packet one-way delay: 90.033 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 144.42 Mbit/s
95th percentile per-packet one-way delay: 97.089 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 52.11 Mbit/s
95th percentile per-packet one-way delay: 109.818 ms
Loss rate: 0.11%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-11 05:05:15

End at: 2018-07-11 05:05:45

Local clock offset: 0.013 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-07-11 07:42:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 302.27 Mbit/s

95th percentile per-packet one-way delay: 110.063 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 188.39 Mbit/s

95th percentile per-packet one-way delay: 98.474 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 137.79 Mbit/s

95th percentile per-packet one-way delay: 110.841 ms

Loss rate: 0.06%

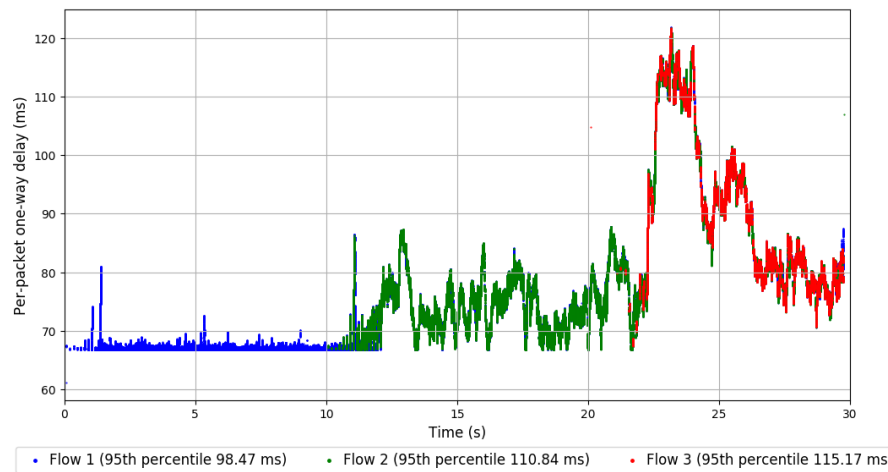
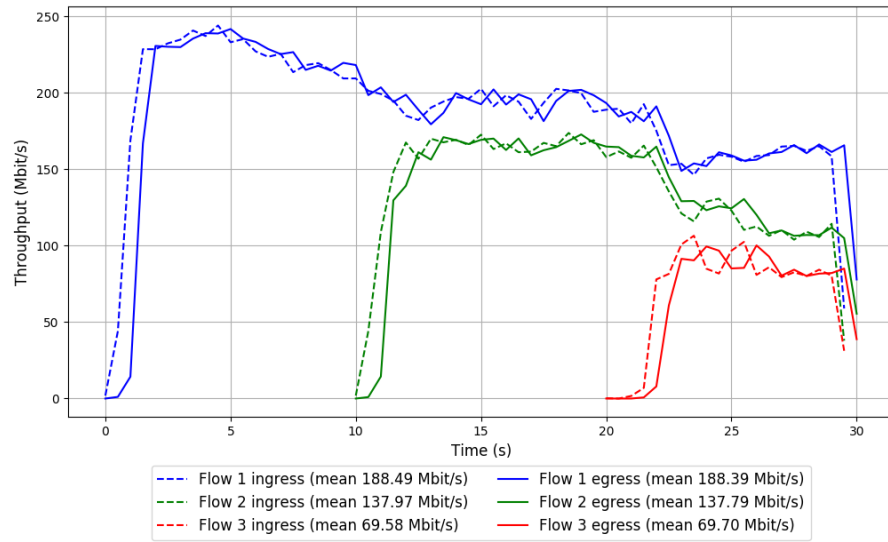
-- Flow 3:

Average throughput: 69.70 Mbit/s

95th percentile per-packet one-way delay: 115.170 ms

Loss rate: 0.20%

Run 8: Report of Indigo — Data Link

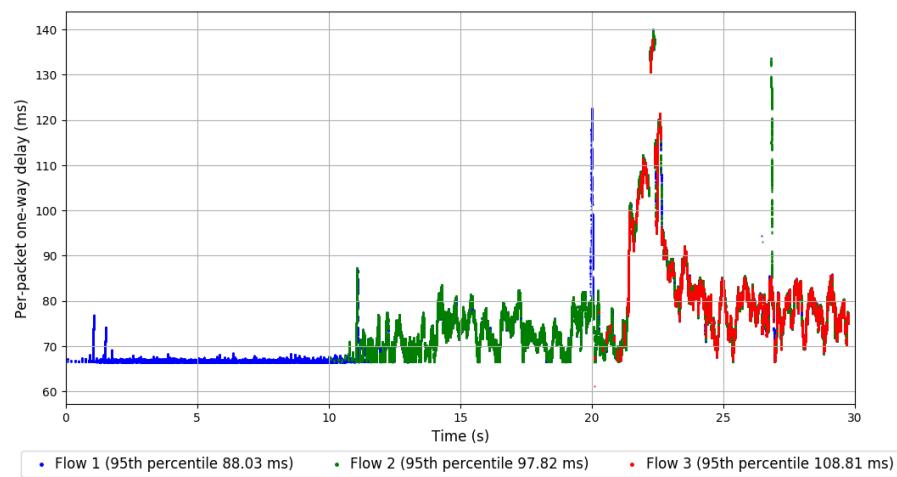
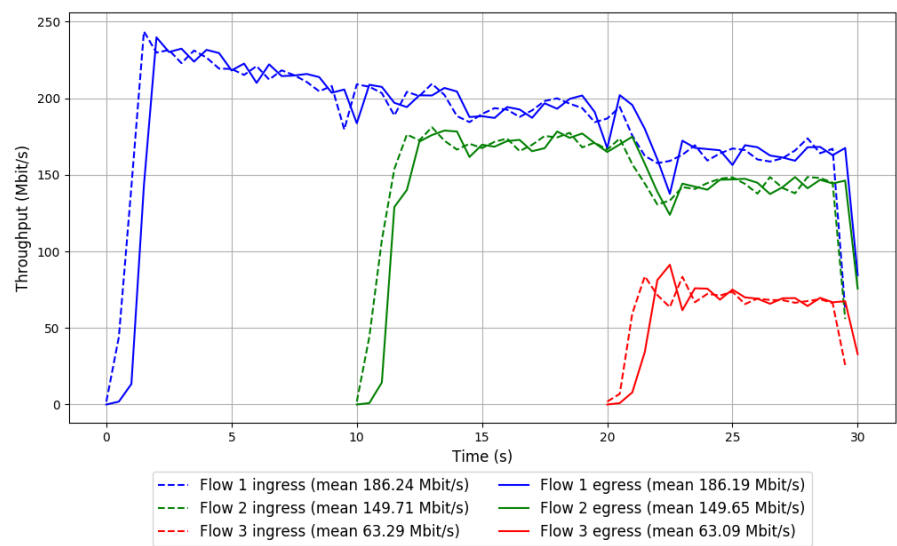


Run 9: Statistics of Indigo

Start at: 2018-07-11 05:29:37
End at: 2018-07-11 05:30:07
Local clock offset: 0.018 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-07-11 07:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 305.90 Mbit/s
95th percentile per-packet one-way delay: 95.067 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 186.19 Mbit/s
95th percentile per-packet one-way delay: 88.032 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 149.65 Mbit/s
95th percentile per-packet one-way delay: 97.817 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 63.09 Mbit/s
95th percentile per-packet one-way delay: 108.812 ms
Loss rate: 0.26%

Run 9: Report of Indigo — Data Link

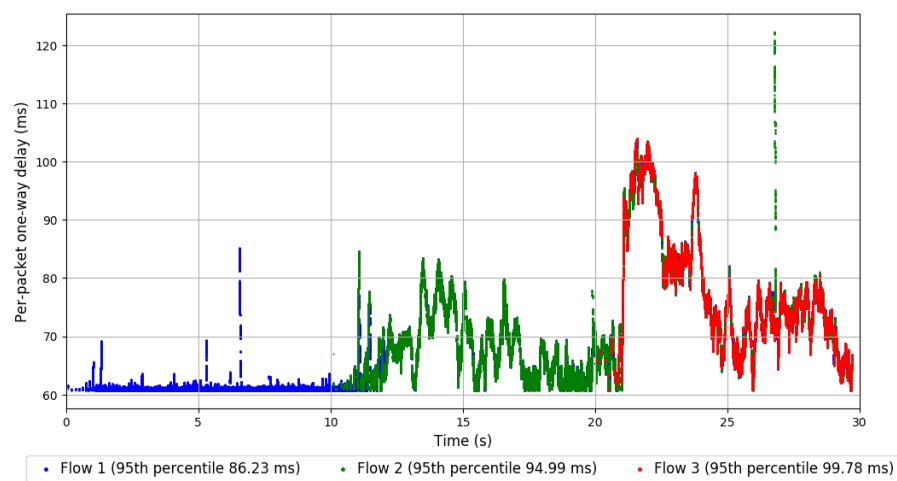
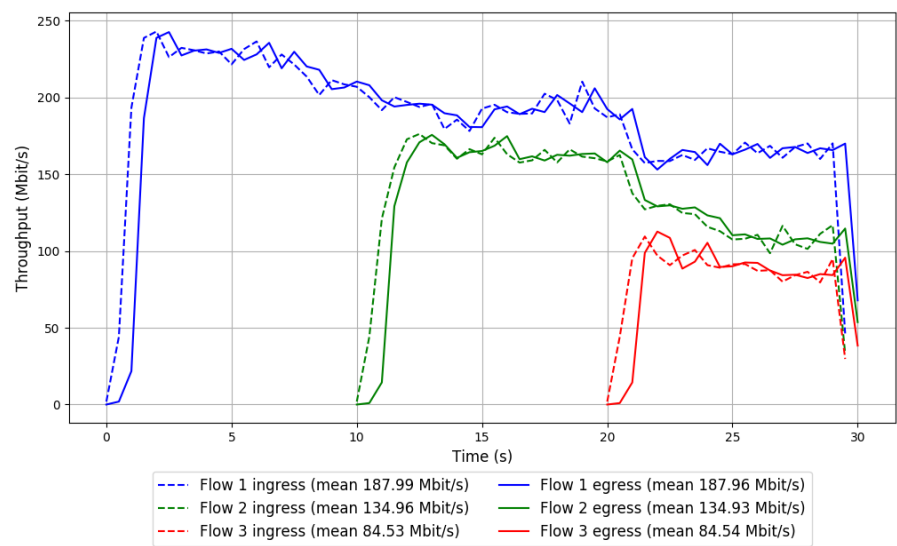


Run 10: Statistics of Indigo

Start at: 2018-07-11 05:53:53
End at: 2018-07-11 05:54:23
Local clock offset: -0.002 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-07-11 07:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 304.70 Mbit/s
95th percentile per-packet one-way delay: 94.042 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.96 Mbit/s
95th percentile per-packet one-way delay: 86.227 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 134.93 Mbit/s
95th percentile per-packet one-way delay: 94.992 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 84.54 Mbit/s
95th percentile per-packet one-way delay: 99.778 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

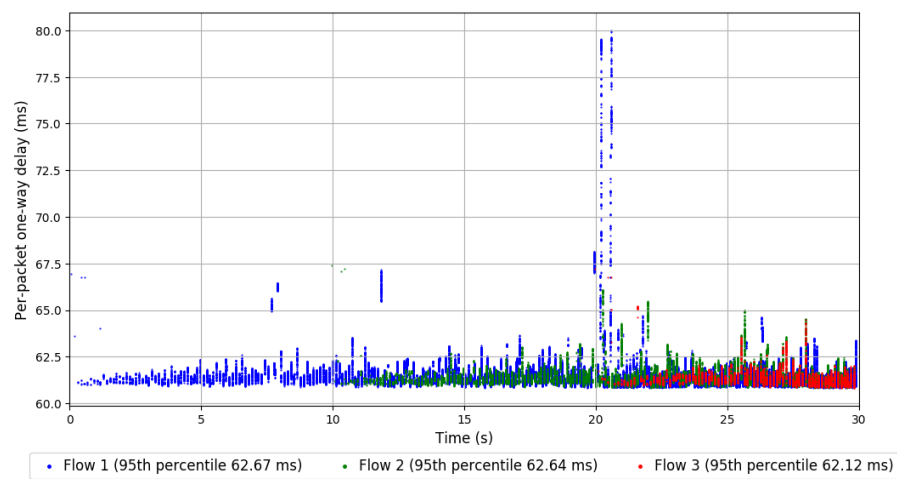
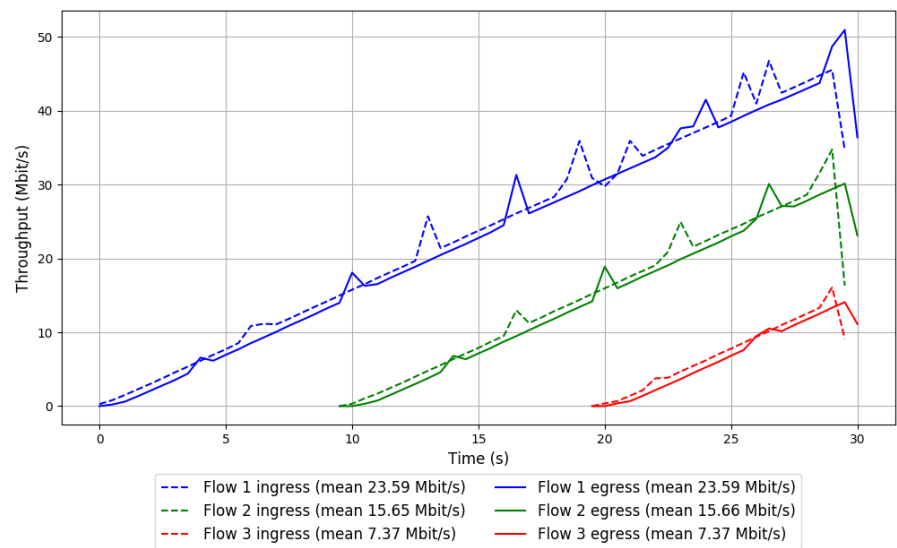


Run 1: Statistics of LEDBAT

Start at: 2018-07-11 02:02:30
End at: 2018-07-11 02:03:00
Local clock offset: -0.048 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-07-11 07:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.46 Mbit/s
95th percentile per-packet one-way delay: 62.632 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.59 Mbit/s
95th percentile per-packet one-way delay: 62.666 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.66 Mbit/s
95th percentile per-packet one-way delay: 62.641 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 62.117 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

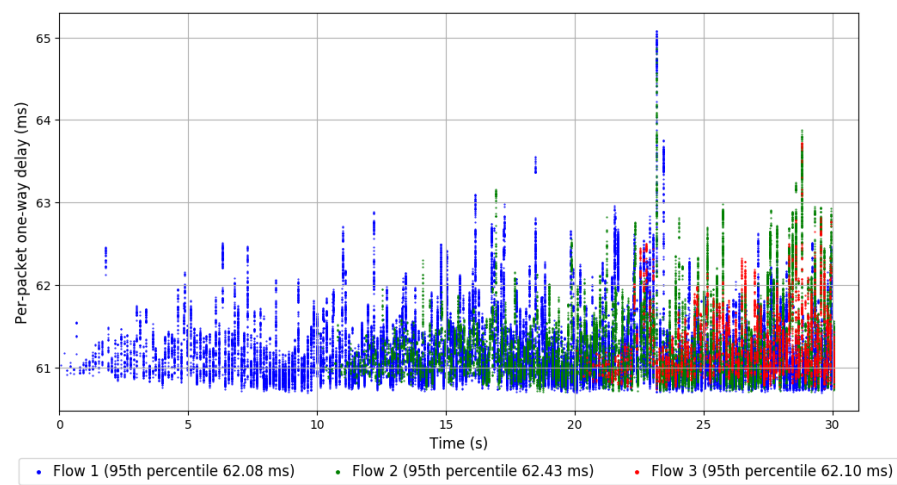
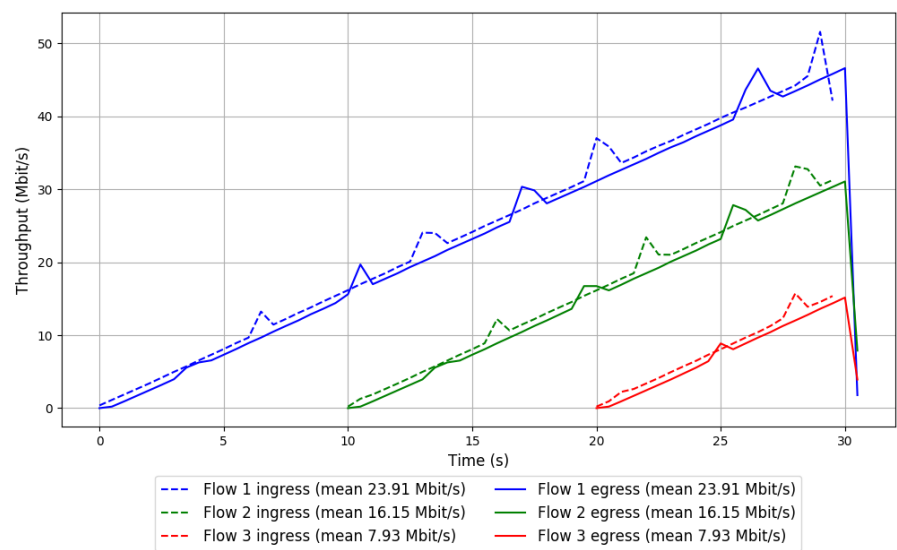


Run 2: Statistics of LEDBAT

Start at: 2018-07-11 02:26:19
End at: 2018-07-11 02:26:49
Local clock offset: -0.042 ms
Remote clock offset: -0.317 ms

Below is generated by plot.py at 2018-07-11 07:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.30 Mbit/s
95th percentile per-packet one-way delay: 62.189 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.91 Mbit/s
95th percentile per-packet one-way delay: 62.077 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.15 Mbit/s
95th percentile per-packet one-way delay: 62.426 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.93 Mbit/s
95th percentile per-packet one-way delay: 62.096 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

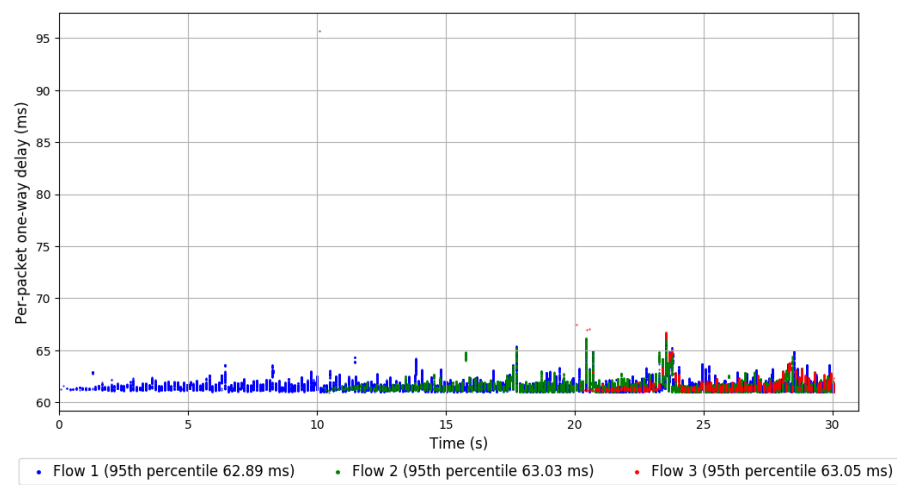
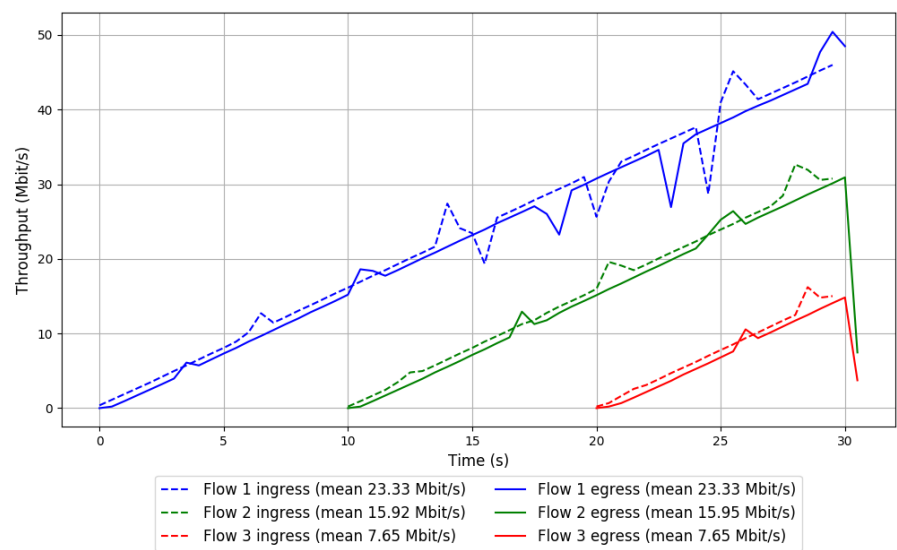


Run 3: Statistics of LEDBAT

Start at: 2018-07-11 02:50:44
End at: 2018-07-11 02:51:14
Local clock offset: -0.008 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-11 07:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.44 Mbit/s
95th percentile per-packet one-way delay: 62.934 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 23.33 Mbit/s
95th percentile per-packet one-way delay: 62.894 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.95 Mbit/s
95th percentile per-packet one-way delay: 63.029 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.65 Mbit/s
95th percentile per-packet one-way delay: 63.055 ms
Loss rate: 0.06%

Run 3: Report of LEDBAT — Data Link

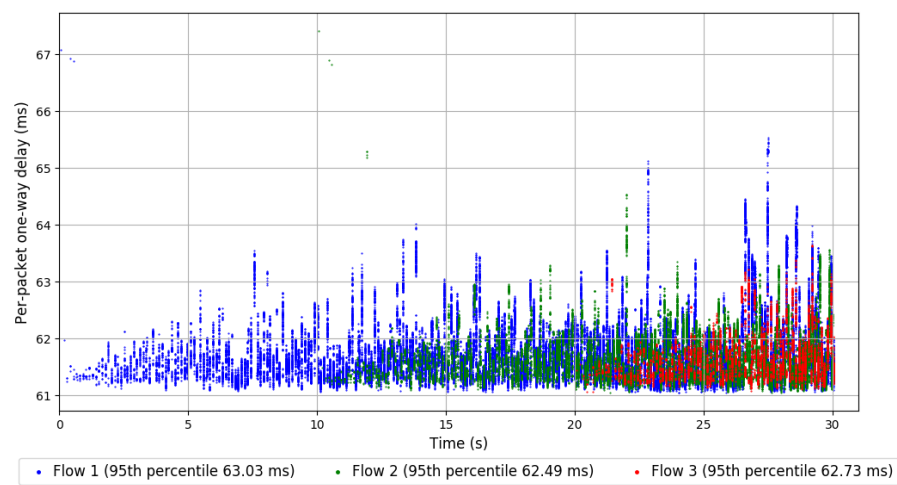
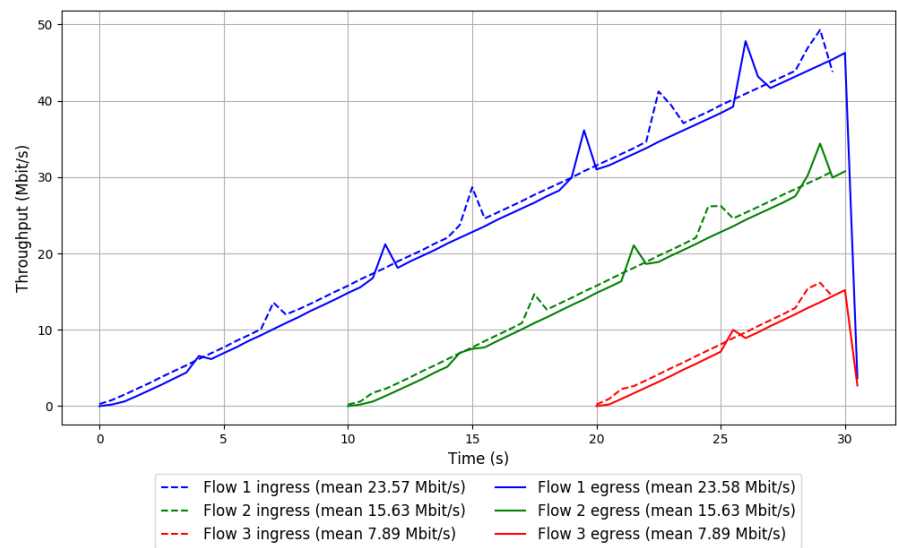


Run 4: Statistics of LEDBAT

Start at: 2018-07-11 03:15:27
End at: 2018-07-11 03:15:57
Local clock offset: 0.042 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-11 07:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.58 Mbit/s
95th percentile per-packet one-way delay: 62.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.58 Mbit/s
95th percentile per-packet one-way delay: 63.026 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.63 Mbit/s
95th percentile per-packet one-way delay: 62.488 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.89 Mbit/s
95th percentile per-packet one-way delay: 62.727 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

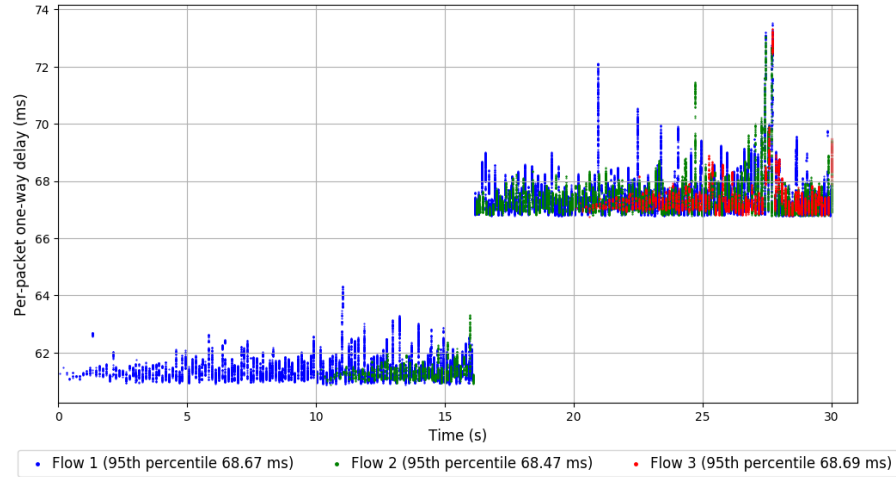
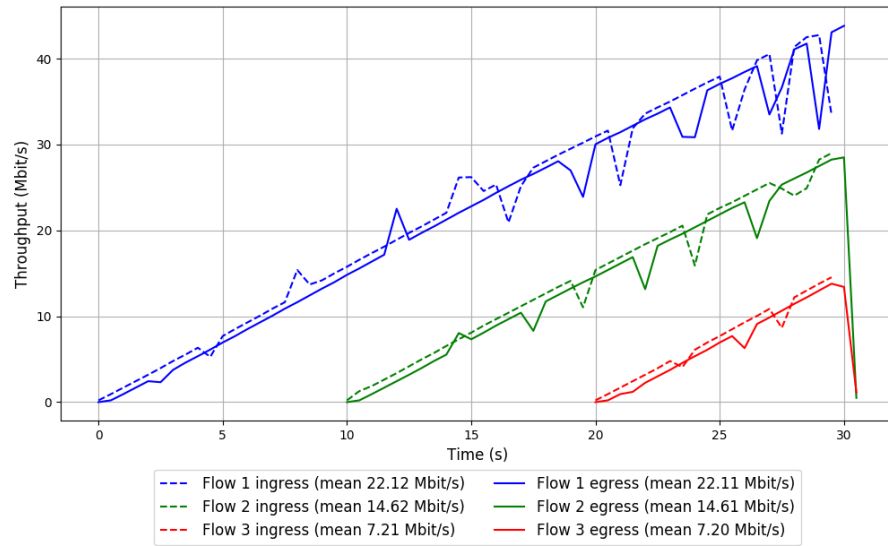


Run 5: Statistics of LEDBAT

Start at: 2018-07-11 03:39:43
End at: 2018-07-11 03:40:13
Local clock offset: -0.022 ms
Remote clock offset: -0.234 ms

Below is generated by plot.py at 2018-07-11 07:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.20 Mbit/s
95th percentile per-packet one-way delay: 68.641 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.11 Mbit/s
95th percentile per-packet one-way delay: 68.673 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.61 Mbit/s
95th percentile per-packet one-way delay: 68.472 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 68.688 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

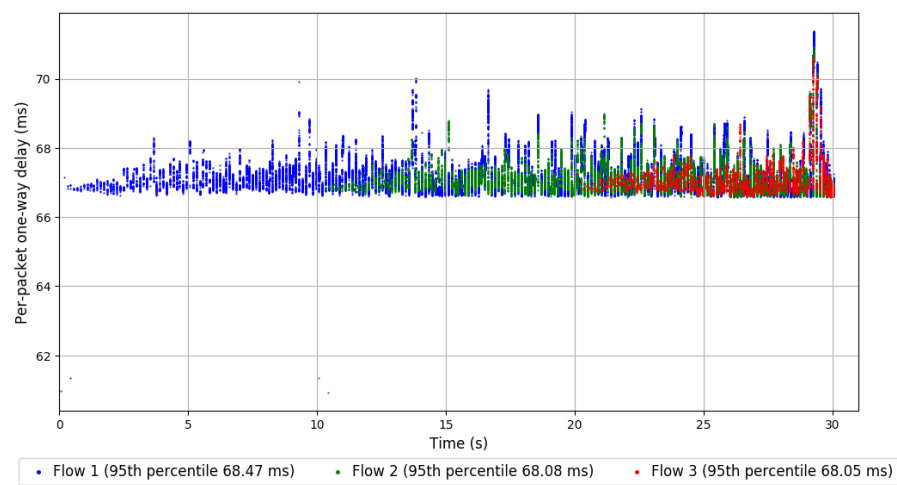
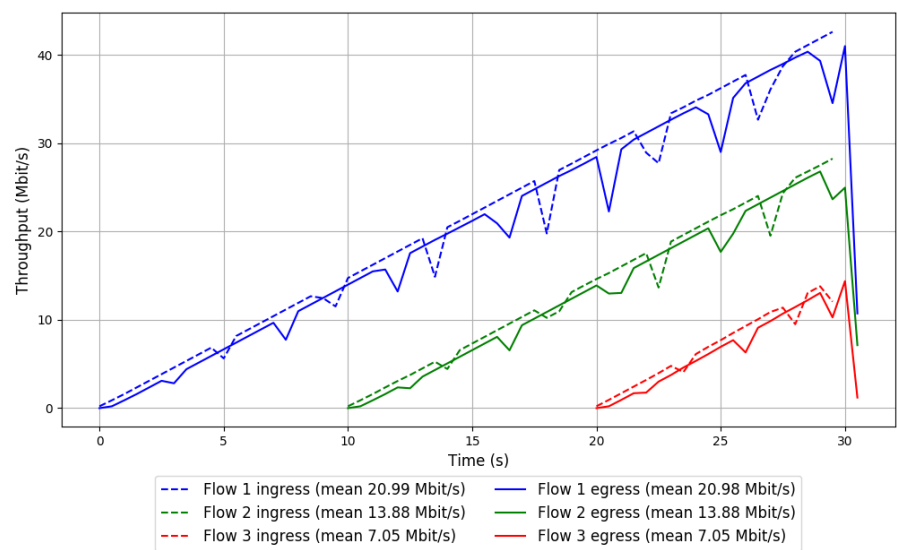


Run 6: Statistics of LEDBAT

Start at: 2018-07-11 04:03:50
End at: 2018-07-11 04:04:20
Local clock offset: -0.039 ms
Remote clock offset: -0.425 ms

Below is generated by plot.py at 2018-07-11 07:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.56 Mbit/s
95th percentile per-packet one-way delay: 68.357 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.98 Mbit/s
95th percentile per-packet one-way delay: 68.474 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.88 Mbit/s
95th percentile per-packet one-way delay: 68.078 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.05 Mbit/s
95th percentile per-packet one-way delay: 68.047 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

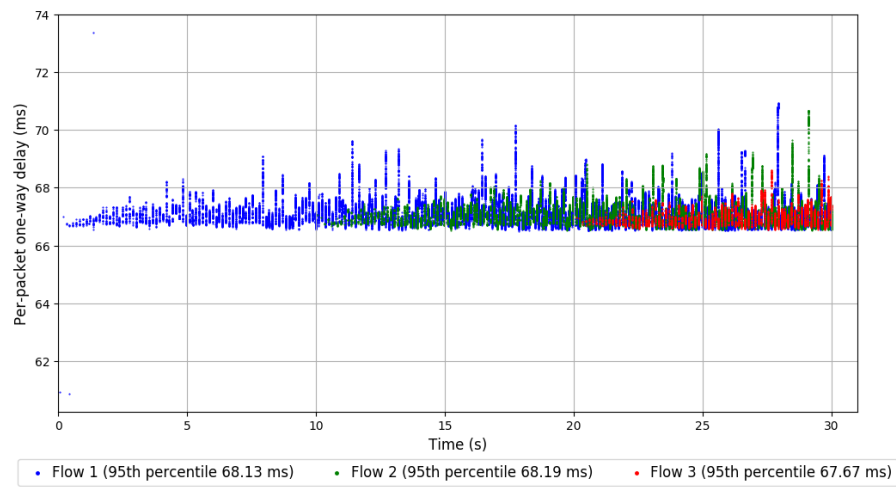
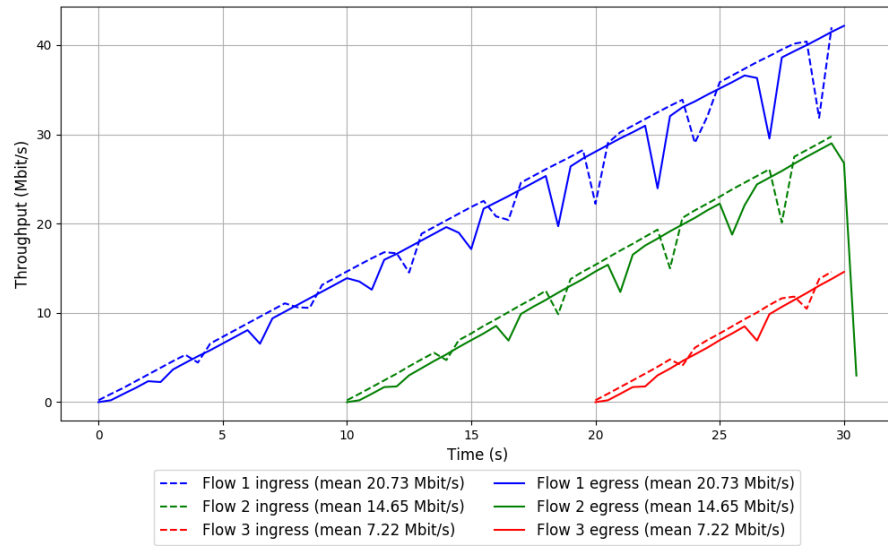


Run 7: Statistics of LEDBAT

Start at: 2018-07-11 04:28:14
End at: 2018-07-11 04:28:44
Local clock offset: 0.067 ms
Remote clock offset: -0.306 ms

Below is generated by plot.py at 2018-07-11 07:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.84 Mbit/s
95th percentile per-packet one-way delay: 68.107 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.73 Mbit/s
95th percentile per-packet one-way delay: 68.129 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.65 Mbit/s
95th percentile per-packet one-way delay: 68.192 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.22 Mbit/s
95th percentile per-packet one-way delay: 67.673 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

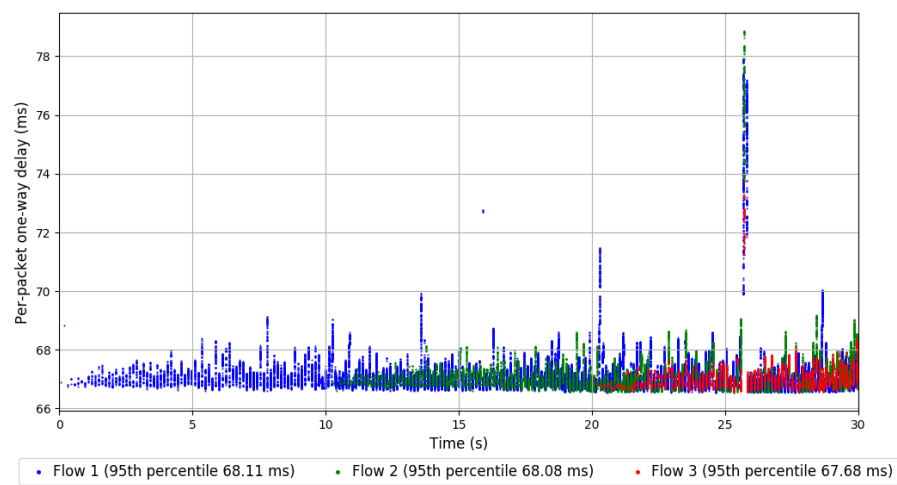
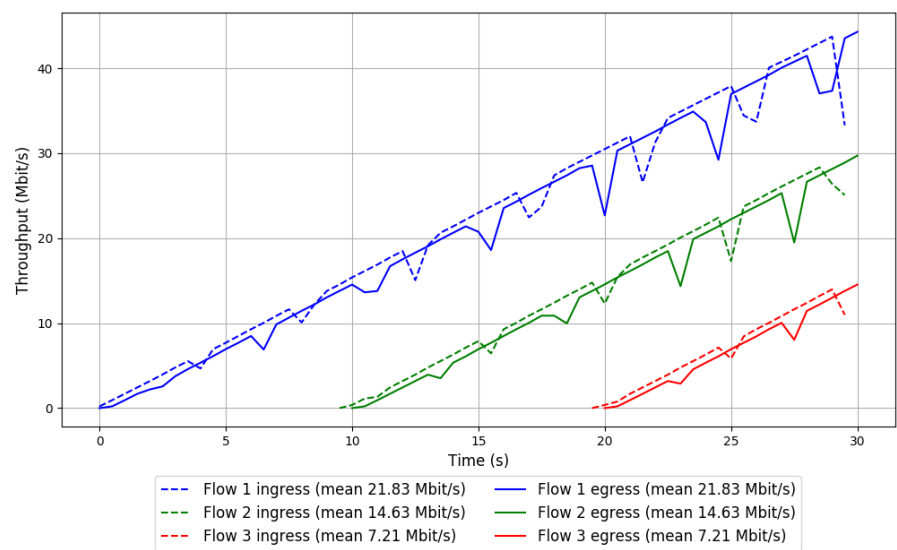


Run 8: Statistics of LEDBAT

Start at: 2018-07-11 04:52:29
End at: 2018-07-11 04:52:59
Local clock offset: -0.01 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2018-07-11 07:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.94 Mbit/s
95th percentile per-packet one-way delay: 68.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.83 Mbit/s
95th percentile per-packet one-way delay: 68.114 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.63 Mbit/s
95th percentile per-packet one-way delay: 68.083 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 67.678 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

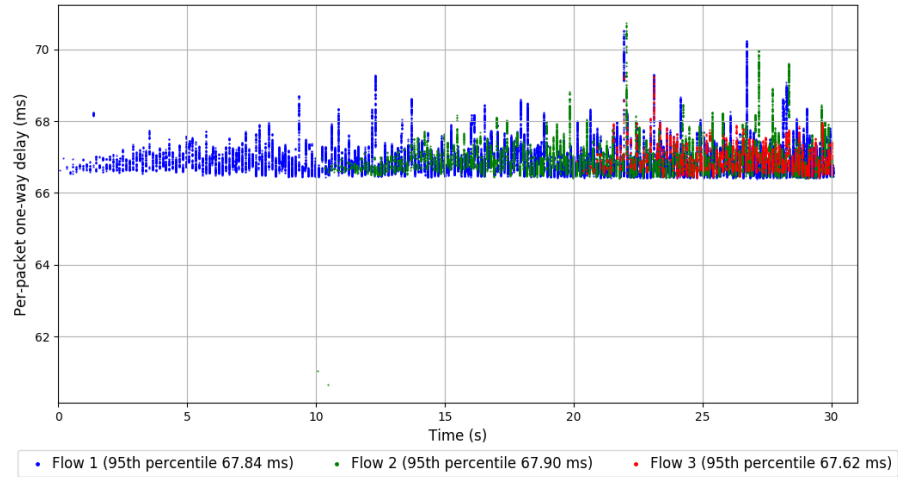
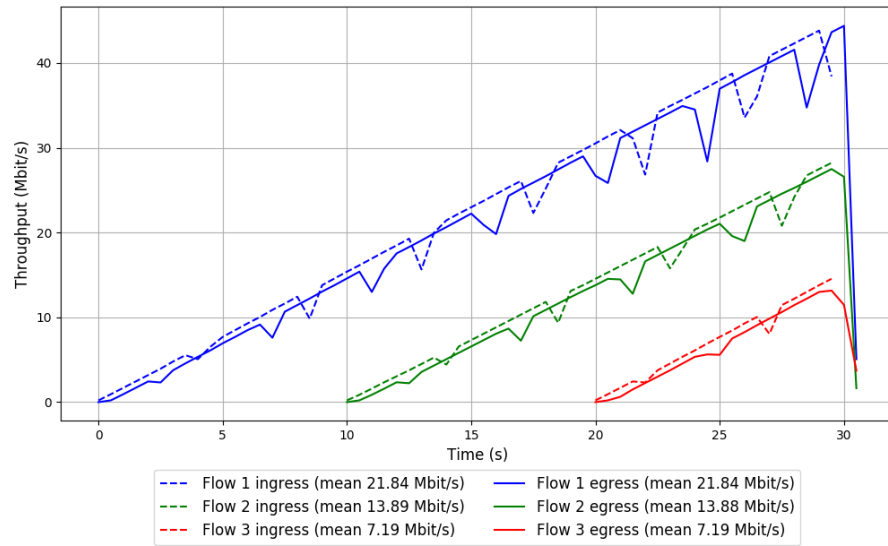


Run 9: Statistics of LEDBAT

Start at: 2018-07-11 05:16:38
End at: 2018-07-11 05:17:08
Local clock offset: 0.017 ms
Remote clock offset: -0.277 ms

Below is generated by plot.py at 2018-07-11 07:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.45 Mbit/s
95th percentile per-packet one-way delay: 67.830 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.84 Mbit/s
95th percentile per-packet one-way delay: 67.836 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.88 Mbit/s
95th percentile per-packet one-way delay: 67.901 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 67.622 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-11 05:41:10

End at: 2018-07-11 05:41:40

Local clock offset: 0.017 ms

Remote clock offset: 0.14 ms

Below is generated by plot.py at 2018-07-11 07:42:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.97 Mbit/s

95th percentile per-packet one-way delay: 62.916 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.10 Mbit/s

95th percentile per-packet one-way delay: 63.019 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.65 Mbit/s

95th percentile per-packet one-way delay: 62.773 ms

Loss rate: 0.00%

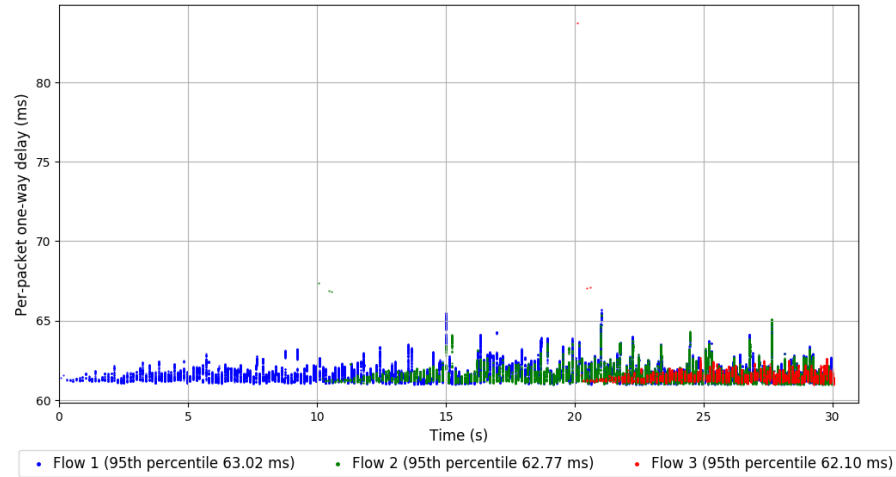
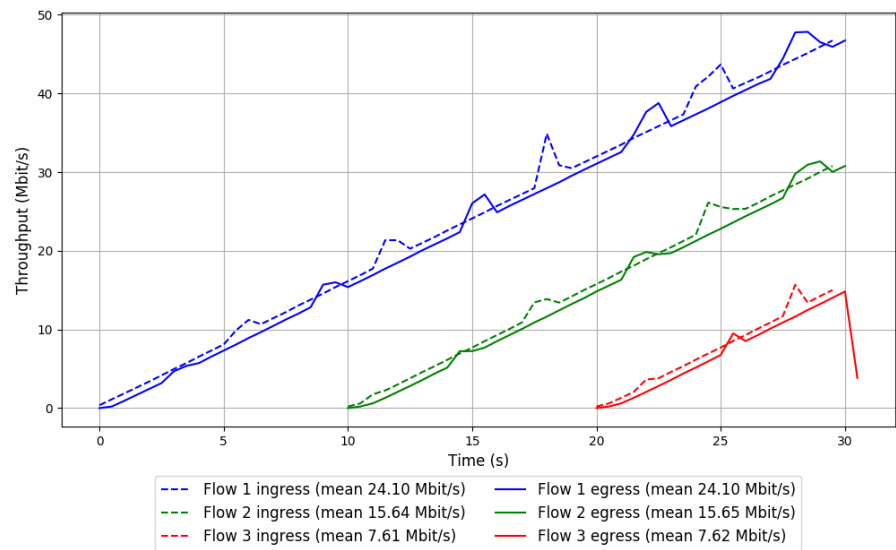
-- Flow 3:

Average throughput: 7.62 Mbit/s

95th percentile per-packet one-way delay: 62.098 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

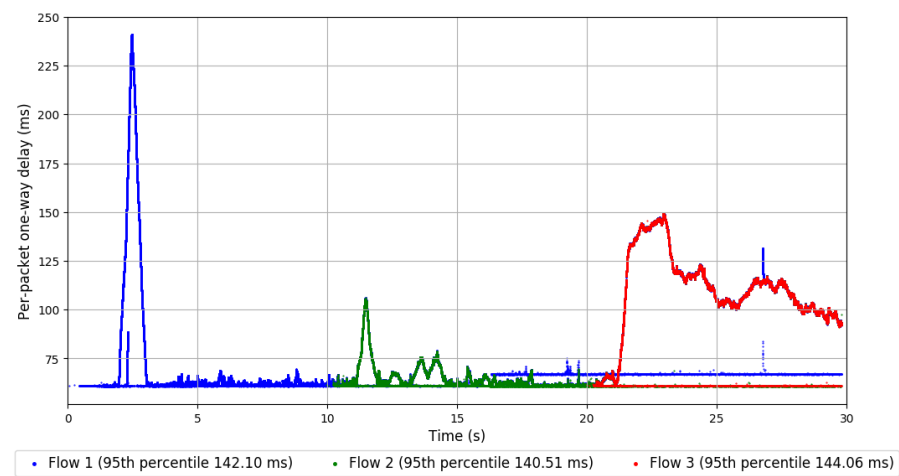
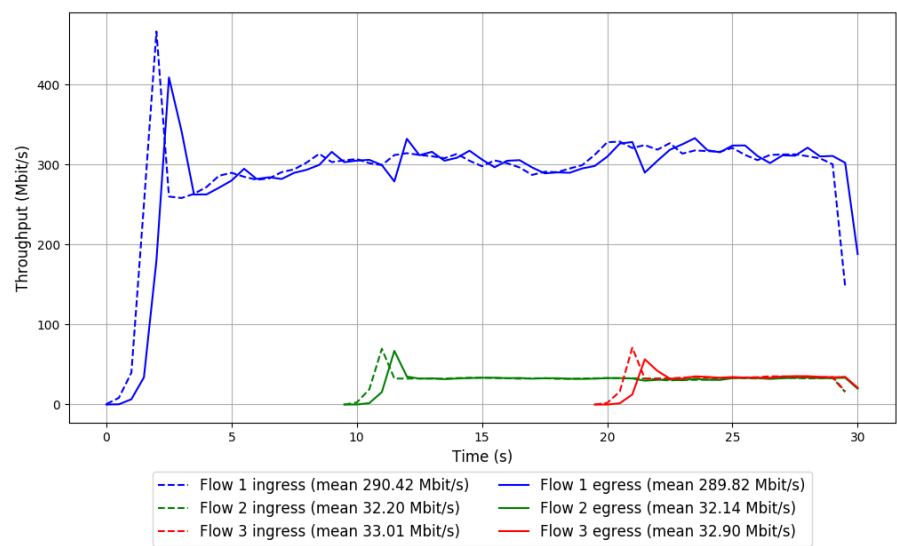


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-11 02:11:01
End at: 2018-07-11 02:11:31
Local clock offset: -0.057 ms
Remote clock offset: -0.236 ms

# Below is generated by plot.py at 2018-07-11 07:42:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 322.09 Mbit/s
95th percentile per-packet one-way delay: 142.100 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 289.82 Mbit/s
95th percentile per-packet one-way delay: 142.101 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 32.14 Mbit/s
95th percentile per-packet one-way delay: 140.508 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 32.90 Mbit/s
95th percentile per-packet one-way delay: 144.057 ms
Loss rate: 0.33%
```

Run 1: Report of PCC-Allegro — Data Link

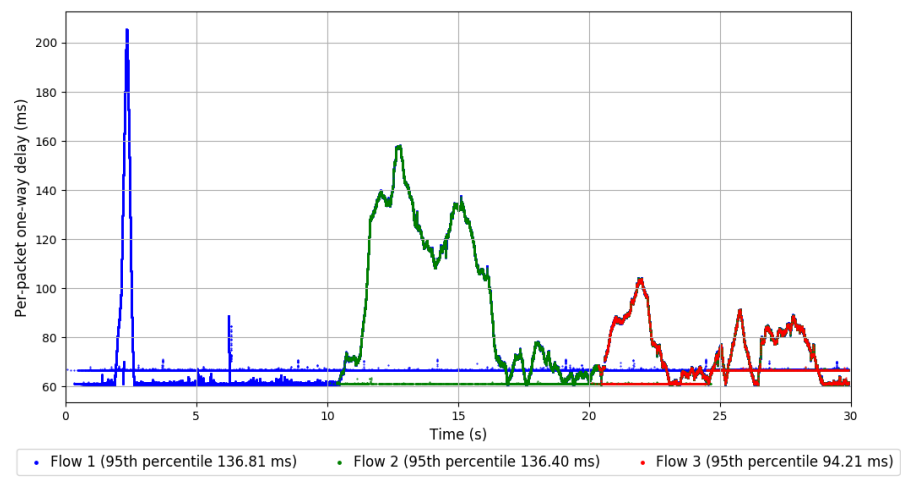
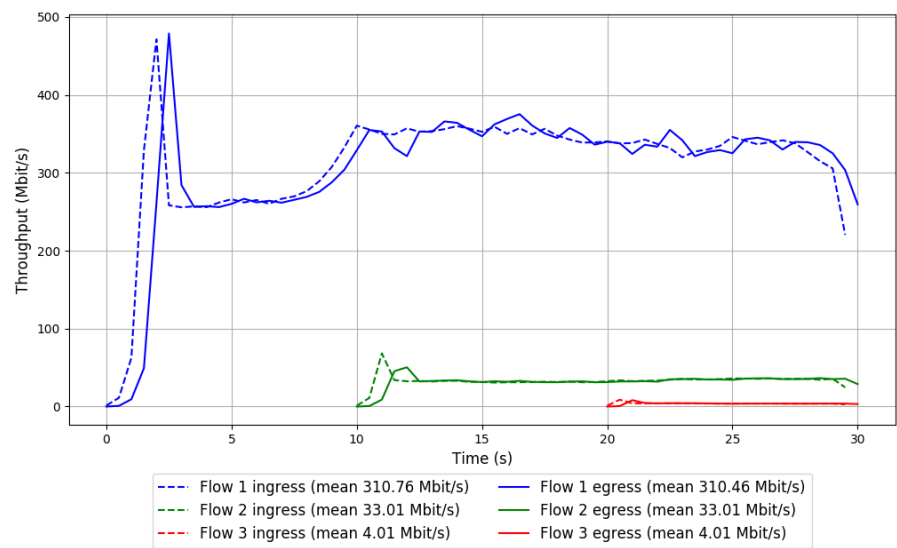


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-11 02:34:53
End at: 2018-07-11 02:35:23
Local clock offset: 0.022 ms
Remote clock offset: -0.246 ms

Below is generated by plot.py at 2018-07-11 07:42:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 333.69 Mbit/s
95th percentile per-packet one-way delay: 136.741 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 310.46 Mbit/s
95th percentile per-packet one-way delay: 136.810 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 33.01 Mbit/s
95th percentile per-packet one-way delay: 136.397 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 94.206 ms
Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link

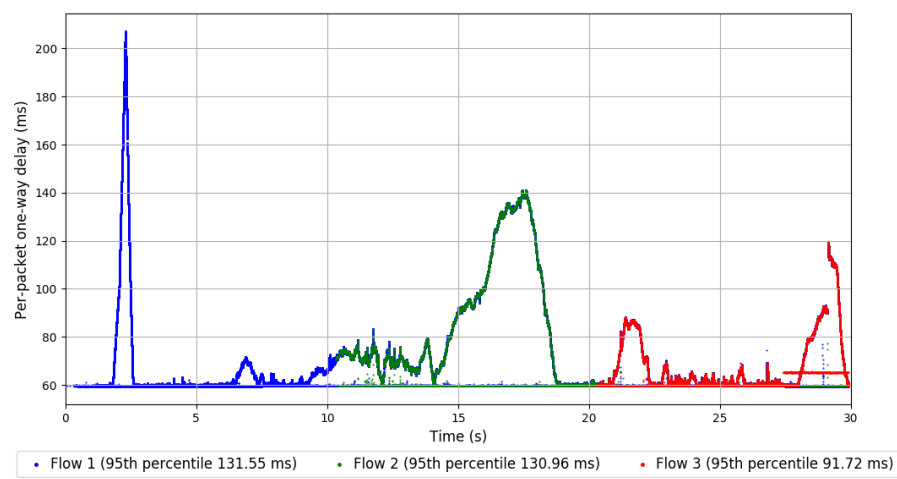
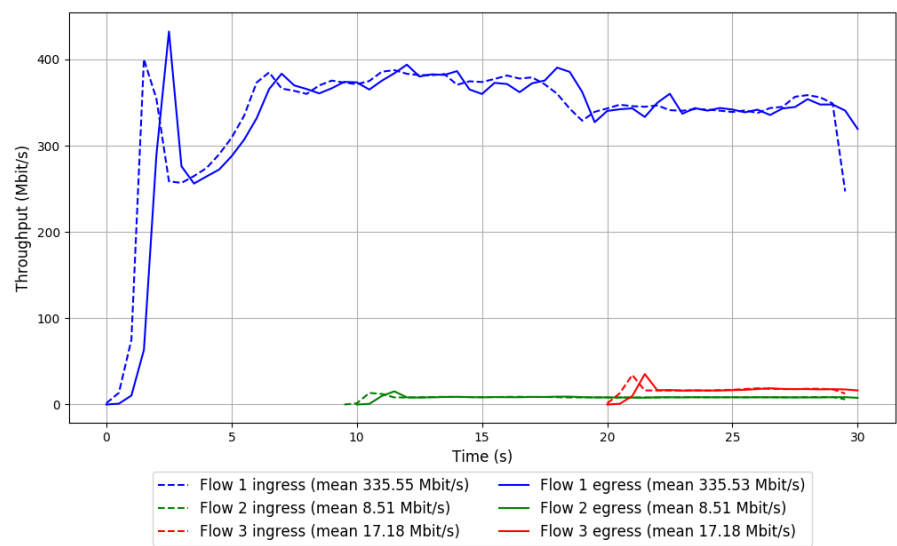


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-11 02:59:30
End at: 2018-07-11 03:00:00
Local clock offset: -0.017 ms
Remote clock offset: -1.497 ms

Below is generated by plot.py at 2018-07-11 07:42:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 346.86 Mbit/s
95th percentile per-packet one-way delay: 131.454 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 335.53 Mbit/s
95th percentile per-packet one-way delay: 131.548 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.51 Mbit/s
95th percentile per-packet one-way delay: 130.960 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.18 Mbit/s
95th percentile per-packet one-way delay: 91.719 ms
Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link

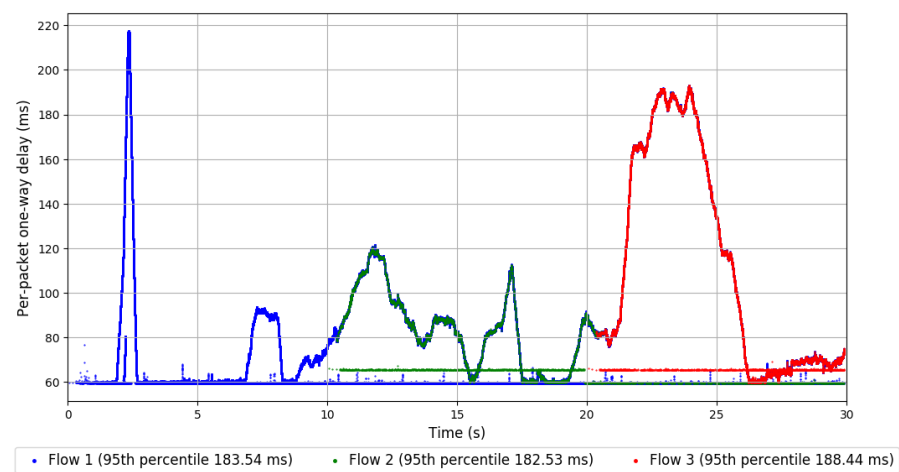
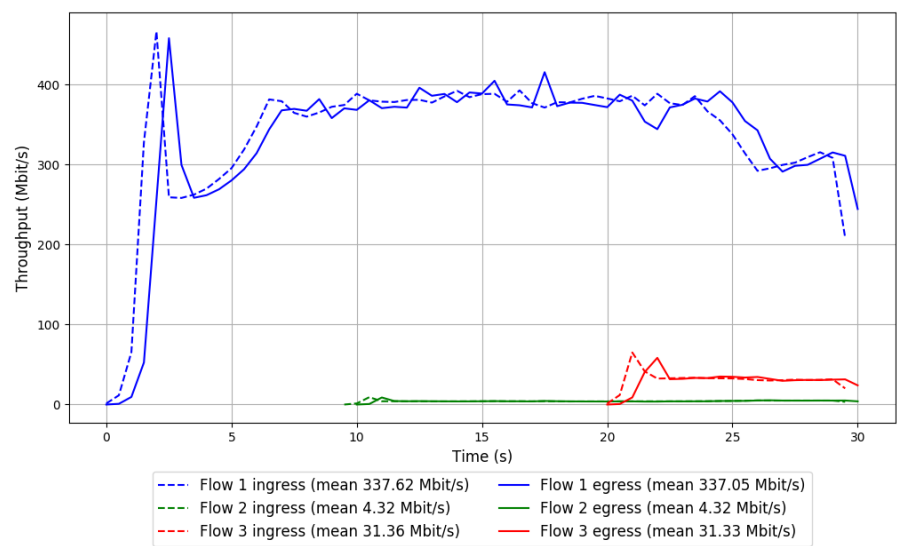


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-11 03:24:08
End at: 2018-07-11 03:24:38
Local clock offset: -0.034 ms
Remote clock offset: -1.437 ms

Below is generated by plot.py at 2018-07-11 07:42:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 350.25 Mbit/s
95th percentile per-packet one-way delay: 183.817 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 337.05 Mbit/s
95th percentile per-packet one-way delay: 183.538 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 182.535 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 31.33 Mbit/s
95th percentile per-packet one-way delay: 188.444 ms
Loss rate: 0.08%

Run 4: Report of PCC-Allegro — Data Link

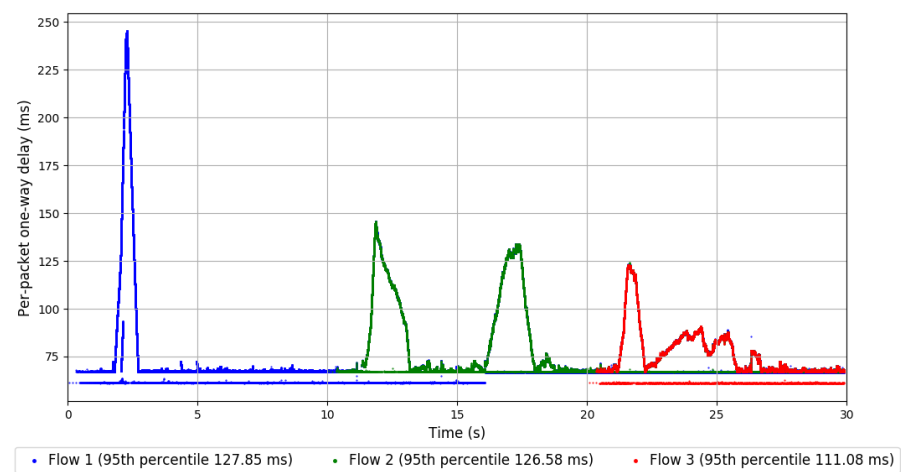
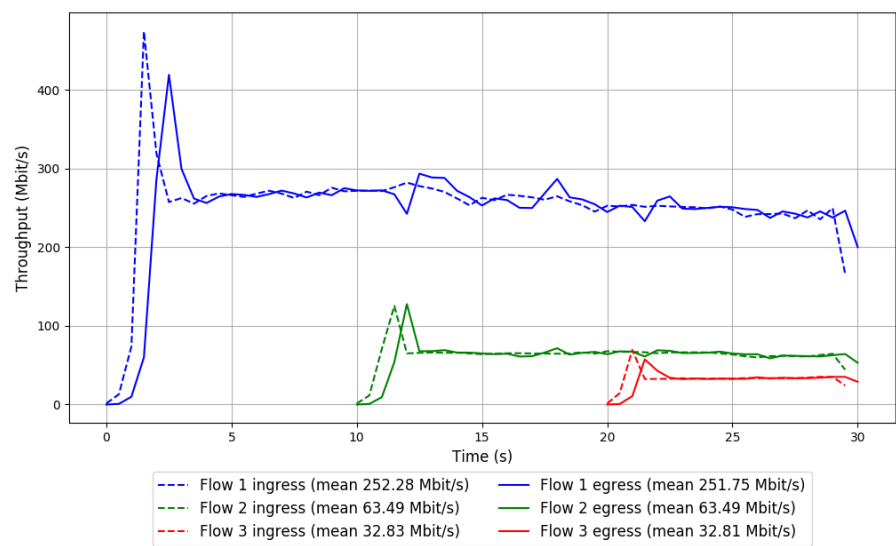


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-11 03:48:12
End at: 2018-07-11 03:48:42
Local clock offset: -0.009 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-07-11 07:42:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 304.74 Mbit/s
95th percentile per-packet one-way delay: 127.258 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 251.75 Mbit/s
95th percentile per-packet one-way delay: 127.851 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 63.49 Mbit/s
95th percentile per-packet one-way delay: 126.582 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.81 Mbit/s
95th percentile per-packet one-way delay: 111.085 ms
Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link

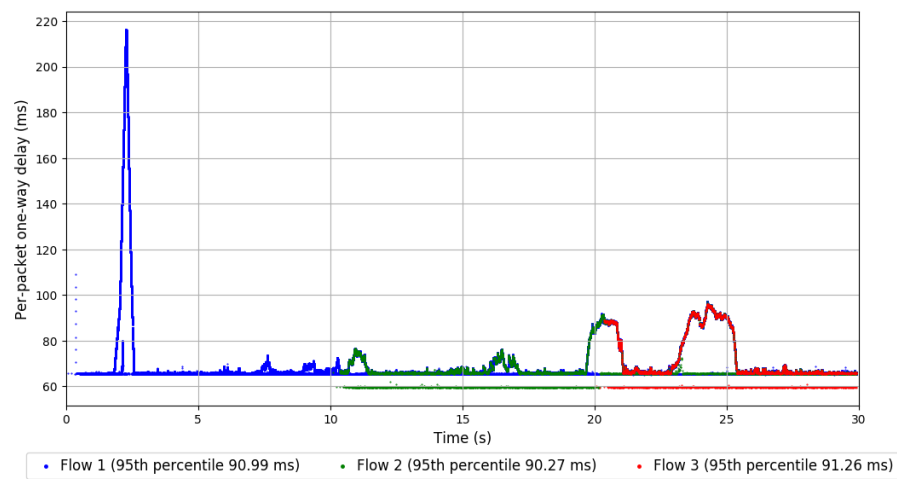
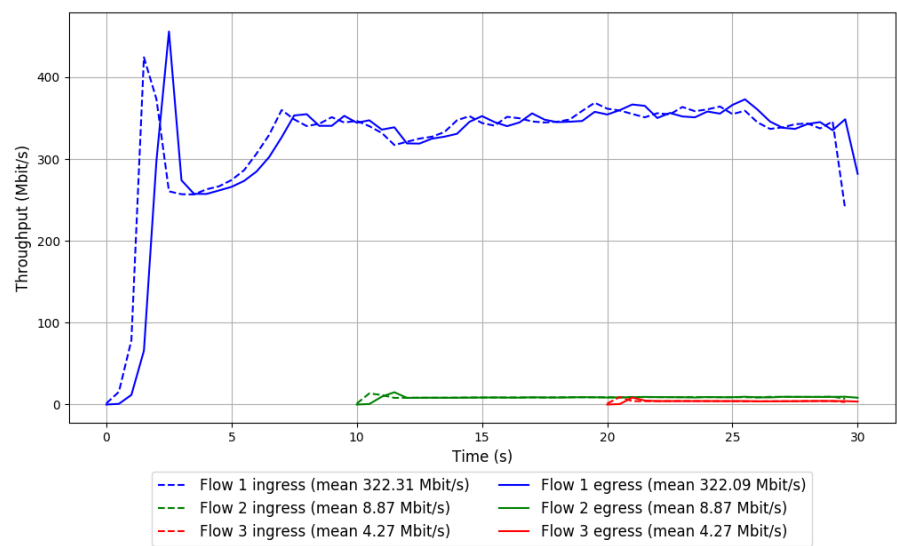


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-11 04:12:27
End at: 2018-07-11 04:12:57
Local clock offset: -0.034 ms
Remote clock offset: -1.535 ms

Below is generated by plot.py at 2018-07-11 07:43:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 329.39 Mbit/s
95th percentile per-packet one-way delay: 90.976 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 322.09 Mbit/s
95th percentile per-packet one-way delay: 90.989 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 8.87 Mbit/s
95th percentile per-packet one-way delay: 90.270 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 91.257 ms
Loss rate: 0.00%

Run 6: Report of PCC-Allegro — Data Link

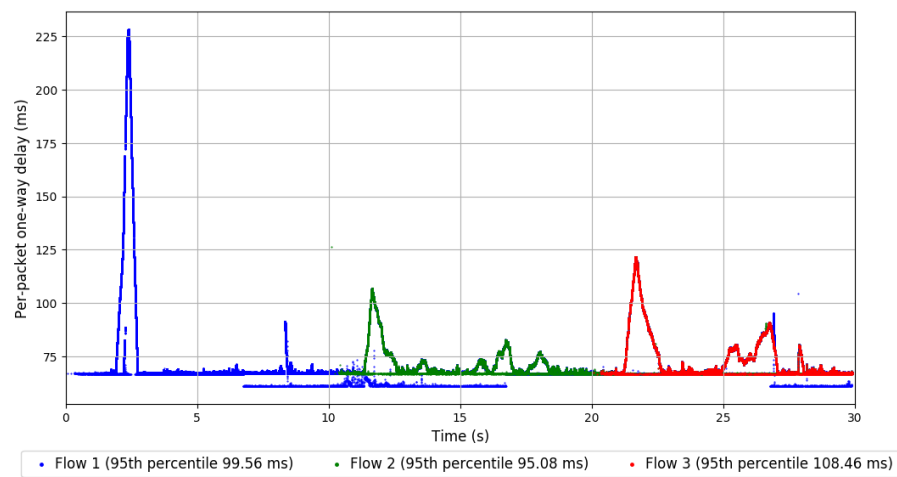
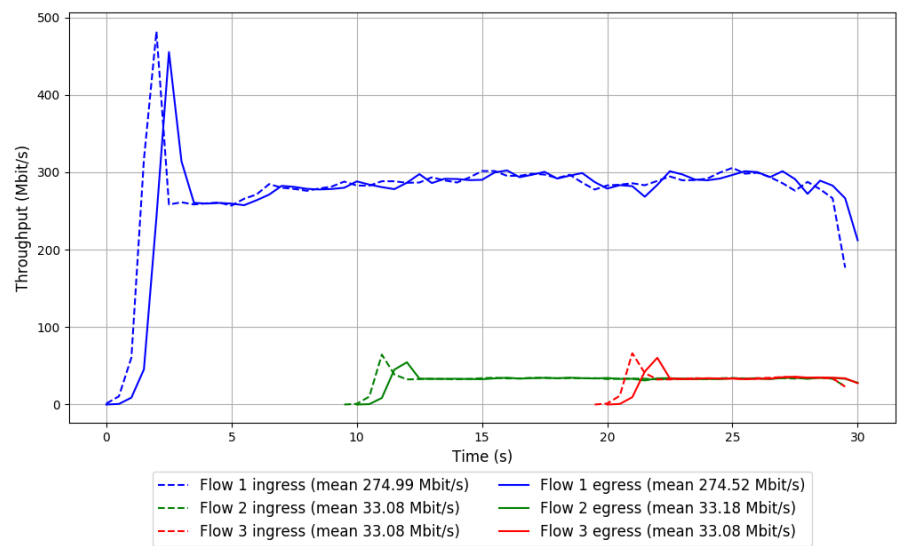


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-11 04:36:51
End at: 2018-07-11 04:37:21
Local clock offset: -0.006 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-11 07:46:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 307.42 Mbit/s
95th percentile per-packet one-way delay: 99.604 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 274.52 Mbit/s
95th percentile per-packet one-way delay: 99.555 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 33.18 Mbit/s
95th percentile per-packet one-way delay: 95.082 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.08 Mbit/s
95th percentile per-packet one-way delay: 108.459 ms
Loss rate: 0.01%

Run 7: Report of PCC-Allegro — Data Link

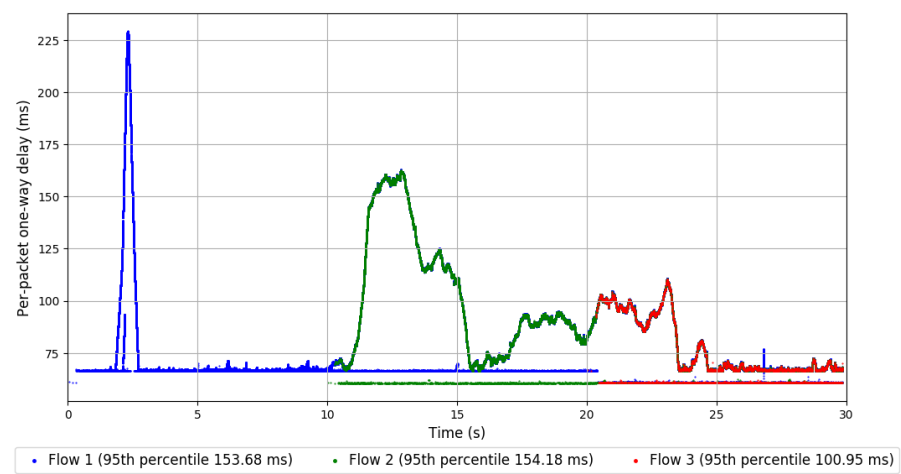
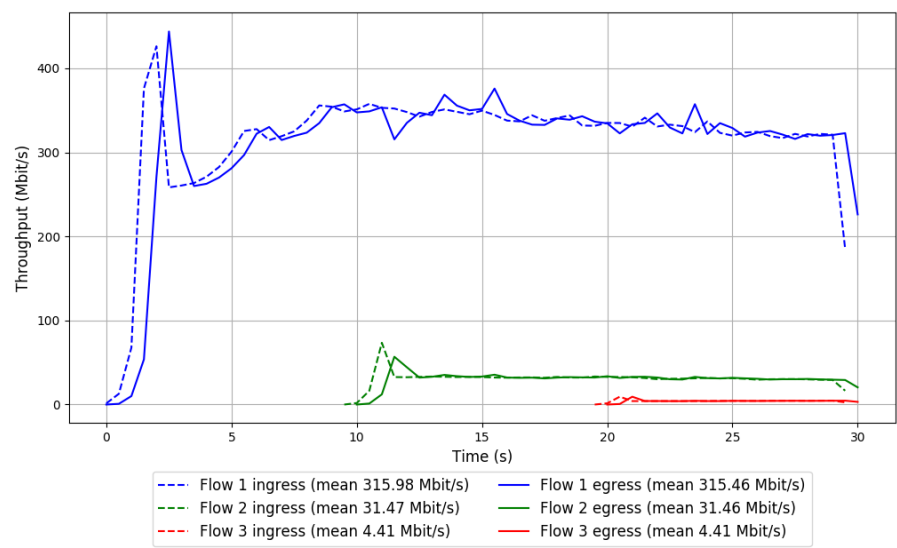


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-11 05:00:57
End at: 2018-07-11 05:01:27
Local clock offset: -0.01 ms
Remote clock offset: -0.322 ms

Below is generated by plot.py at 2018-07-11 07:47:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 337.83 Mbit/s
95th percentile per-packet one-way delay: 153.538 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 315.46 Mbit/s
95th percentile per-packet one-way delay: 153.675 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 31.46 Mbit/s
95th percentile per-packet one-way delay: 154.180 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 100.949 ms
Loss rate: 0.00%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-11 05:25:21

End at: 2018-07-11 05:25:51

Local clock offset: -0.023 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-11 07:47:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 318.74 Mbit/s

95th percentile per-packet one-way delay: 137.773 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 267.02 Mbit/s

95th percentile per-packet one-way delay: 138.258 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 70.14 Mbit/s

95th percentile per-packet one-way delay: 134.579 ms

Loss rate: 0.27%

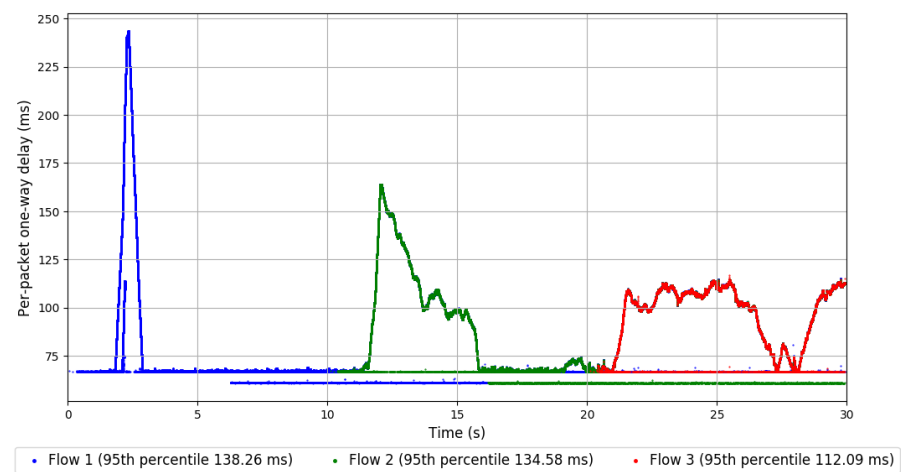
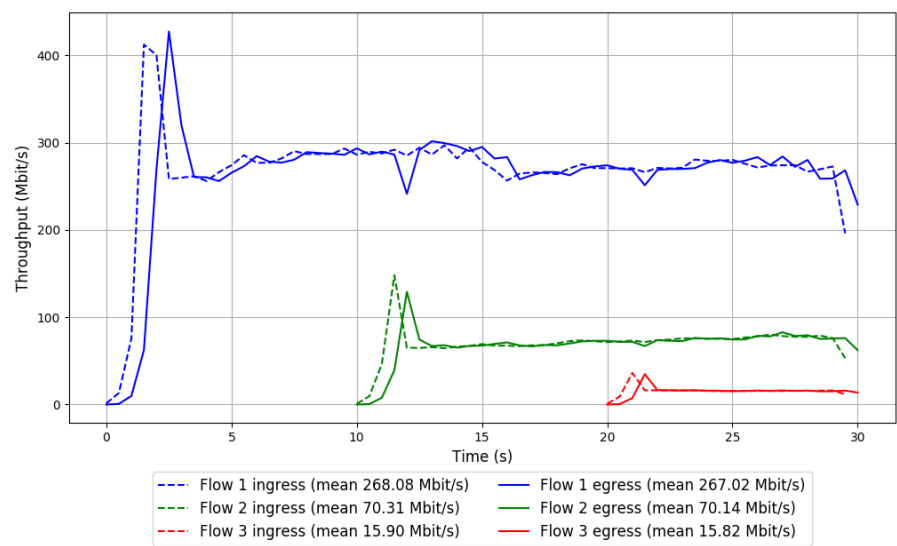
-- Flow 3:

Average throughput: 15.82 Mbit/s

95th percentile per-packet one-way delay: 112.088 ms

Loss rate: 0.53%

Run 9: Report of PCC-Allegro — Data Link

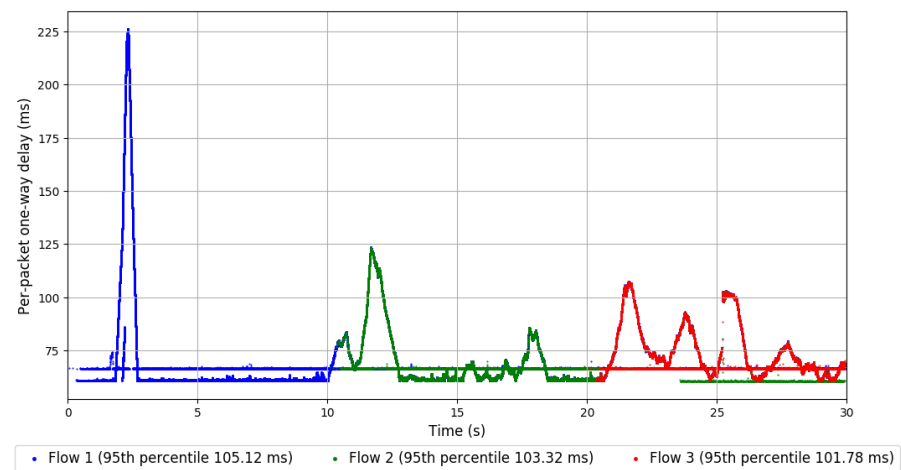
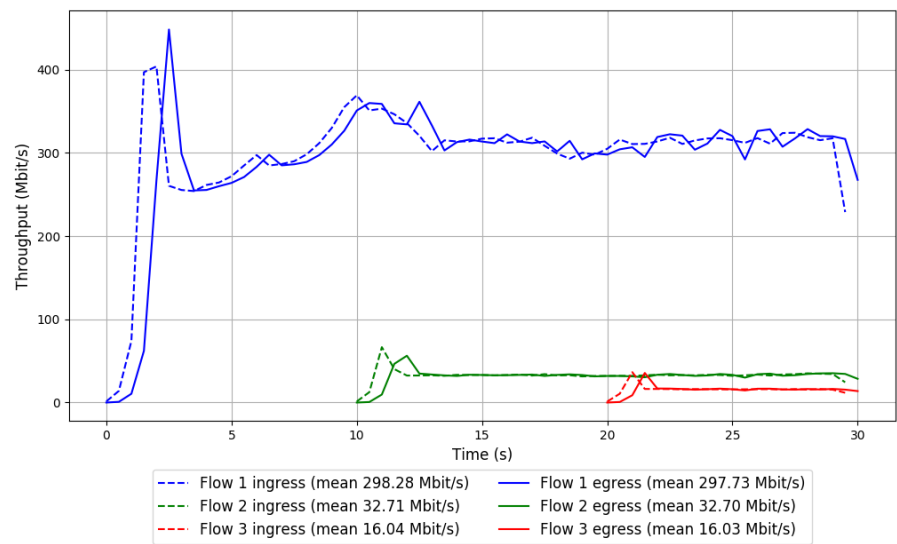


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-11 05:49:34
End at: 2018-07-11 05:50:04
Local clock offset: 0.013 ms
Remote clock offset: -0.243 ms

Below is generated by plot.py at 2018-07-11 07:47:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 324.73 Mbit/s
95th percentile per-packet one-way delay: 104.910 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 297.73 Mbit/s
95th percentile per-packet one-way delay: 105.124 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 32.70 Mbit/s
95th percentile per-packet one-way delay: 103.321 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 16.03 Mbit/s
95th percentile per-packet one-way delay: 101.779 ms
Loss rate: 0.01%

Run 10: Report of PCC-Allegro — Data Link

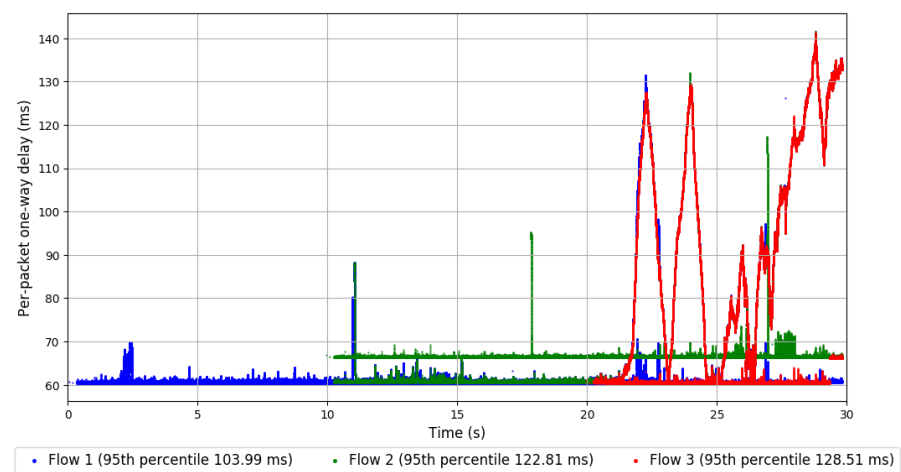
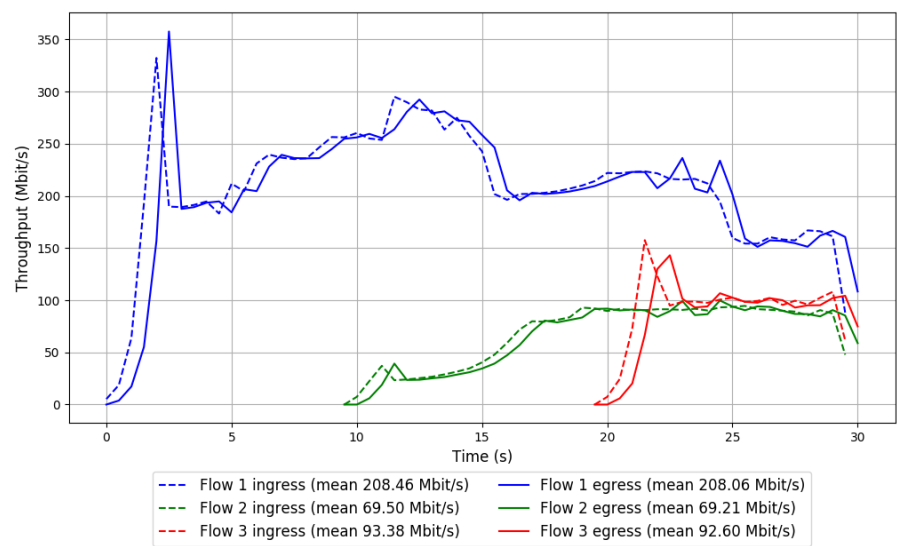


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-11 02:17:48
End at: 2018-07-11 02:18:18
Local clock offset: -0.034 ms
Remote clock offset: -0.483 ms

# Below is generated by plot.py at 2018-07-11 07:51:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 284.92 Mbit/s
95th percentile per-packet one-way delay: 116.696 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 208.06 Mbit/s
95th percentile per-packet one-way delay: 103.993 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 69.21 Mbit/s
95th percentile per-packet one-way delay: 122.807 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 128.508 ms
Loss rate: 0.81%
```


Run 1: Report of PCC-Expr — Data Link

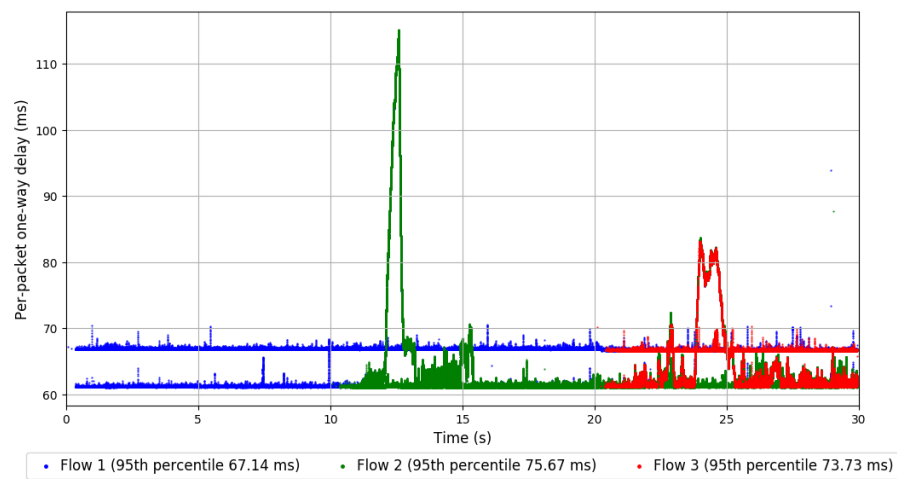
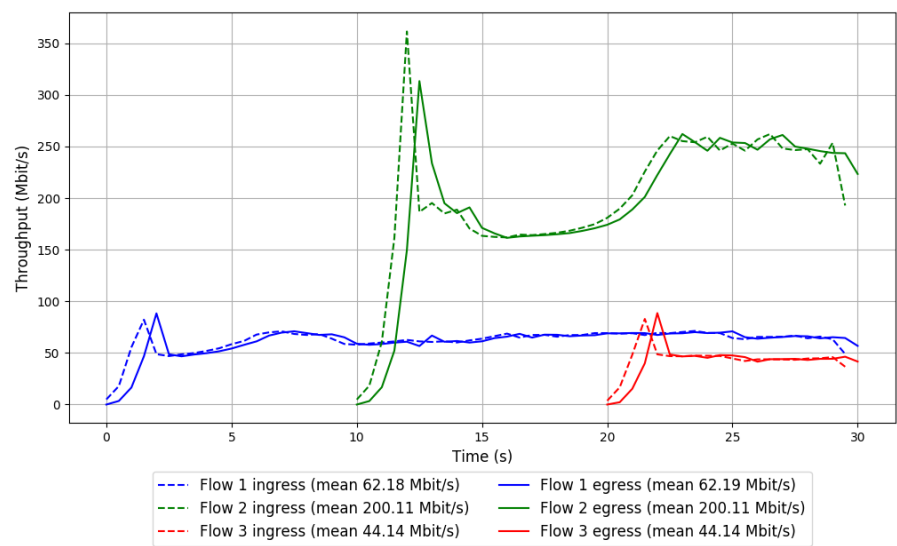


Run 2: Statistics of PCC-Expr

Start at: 2018-07-11 02:42:07
End at: 2018-07-11 02:42:37
Local clock offset: 0.003 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-11 07:51:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 209.80 Mbit/s
95th percentile per-packet one-way delay: 70.088 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 62.19 Mbit/s
95th percentile per-packet one-way delay: 67.141 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 200.11 Mbit/s
95th percentile per-packet one-way delay: 75.665 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.14 Mbit/s
95th percentile per-packet one-way delay: 73.731 ms
Loss rate: 0.08%

Run 2: Report of PCC-Expr — Data Link

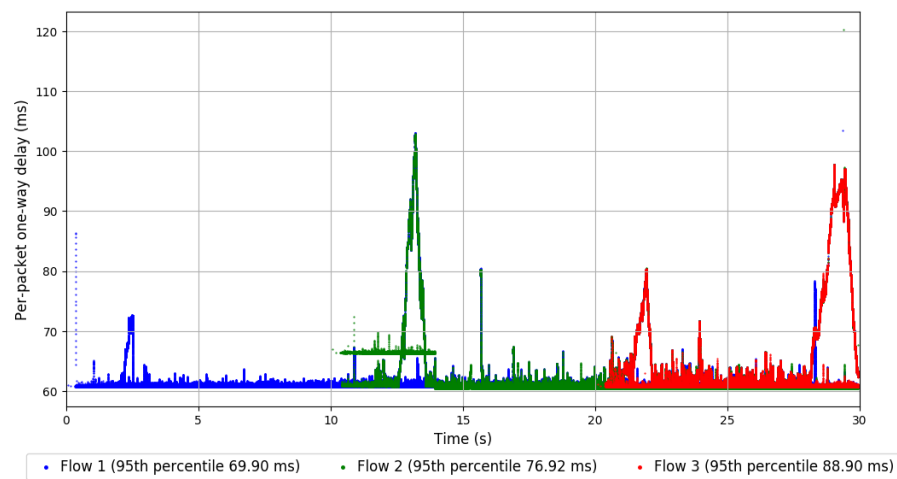
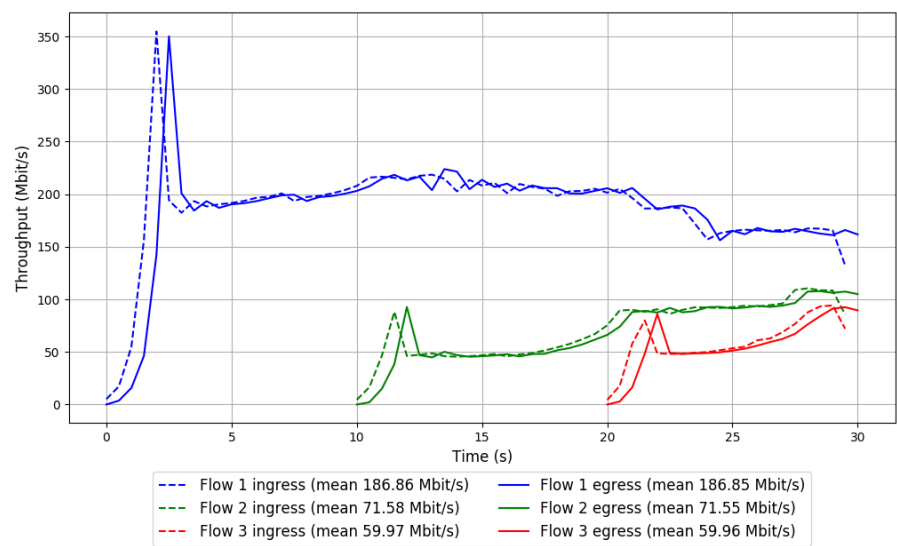


Run 3: Statistics of PCC-Expr

Start at: 2018-07-11 03:06:44
End at: 2018-07-11 03:07:14
Local clock offset: -0.016 ms
Remote clock offset: -0.426 ms

Below is generated by plot.py at 2018-07-11 07:51:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 254.15 Mbit/s
95th percentile per-packet one-way delay: 72.471 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 186.85 Mbit/s
95th percentile per-packet one-way delay: 69.900 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 71.55 Mbit/s
95th percentile per-packet one-way delay: 76.923 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 59.96 Mbit/s
95th percentile per-packet one-way delay: 88.902 ms
Loss rate: 0.02%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-11 03:31:04

End at: 2018-07-11 03:31:34

Local clock offset: -0.016 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-11 07:52:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 247.10 Mbit/s

95th percentile per-packet one-way delay: 226.779 ms

Loss rate: 4.71%

-- Flow 1:

Average throughput: 67.63 Mbit/s

95th percentile per-packet one-way delay: 222.360 ms

Loss rate: 3.50%

-- Flow 2:

Average throughput: 207.90 Mbit/s

95th percentile per-packet one-way delay: 223.067 ms

Loss rate: 3.92%

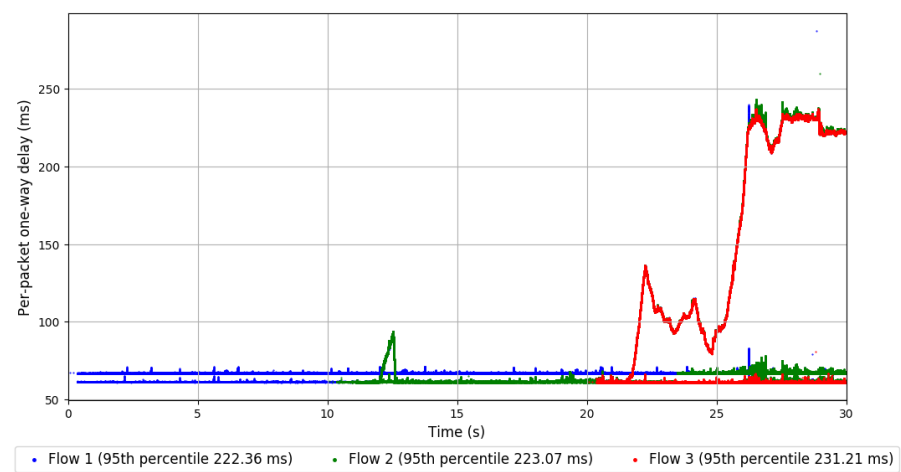
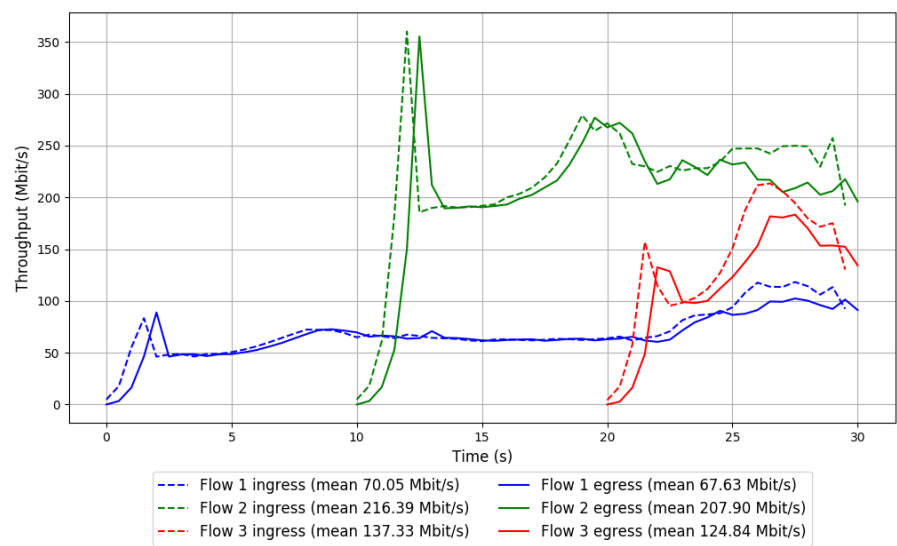
-- Flow 3:

Average throughput: 124.84 Mbit/s

95th percentile per-packet one-way delay: 231.210 ms

Loss rate: 9.08%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-11 03:55:28

End at: 2018-07-11 03:55:58

Local clock offset: -0.031 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-11 07:55:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 237.10 Mbit/s

95th percentile per-packet one-way delay: 224.981 ms

Loss rate: 3.48%

-- Flow 1:

Average throughput: 59.31 Mbit/s

95th percentile per-packet one-way delay: 148.479 ms

Loss rate: 1.67%

-- Flow 2:

Average throughput: 220.72 Mbit/s

95th percentile per-packet one-way delay: 227.436 ms

Loss rate: 3.78%

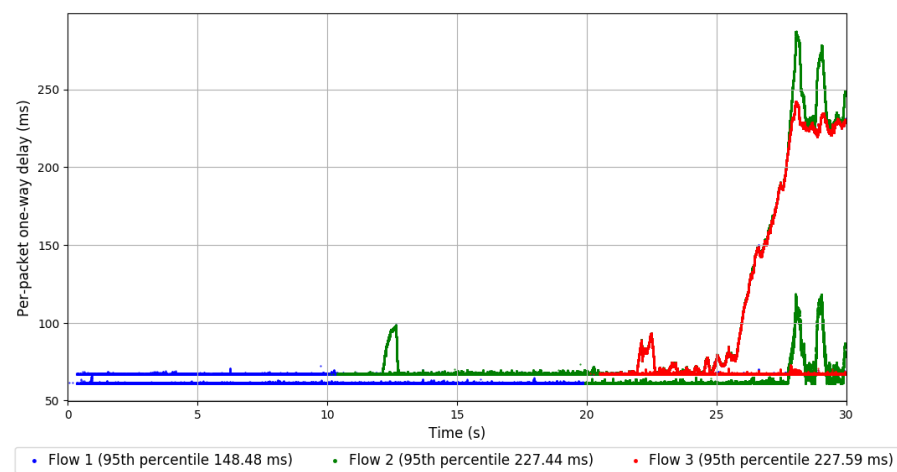
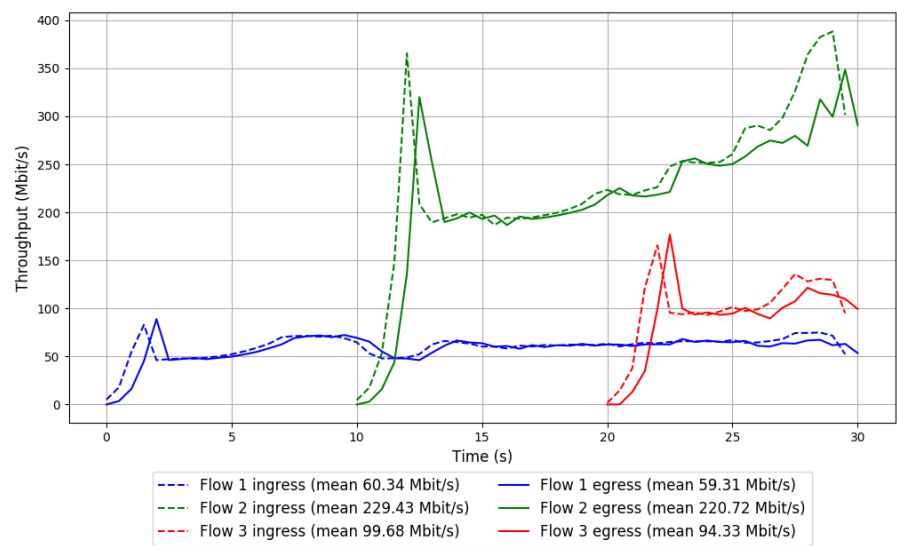
-- Flow 3:

Average throughput: 94.33 Mbit/s

95th percentile per-packet one-way delay: 227.595 ms

Loss rate: 5.37%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-11 04:19:45

End at: 2018-07-11 04:20:15

Local clock offset: -0.024 ms

Remote clock offset: 1.047 ms

Below is generated by plot.py at 2018-07-11 07:57:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 267.39 Mbit/s

95th percentile per-packet one-way delay: 69.277 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 214.40 Mbit/s

95th percentile per-packet one-way delay: 69.064 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 54.71 Mbit/s

95th percentile per-packet one-way delay: 68.984 ms

Loss rate: 0.00%

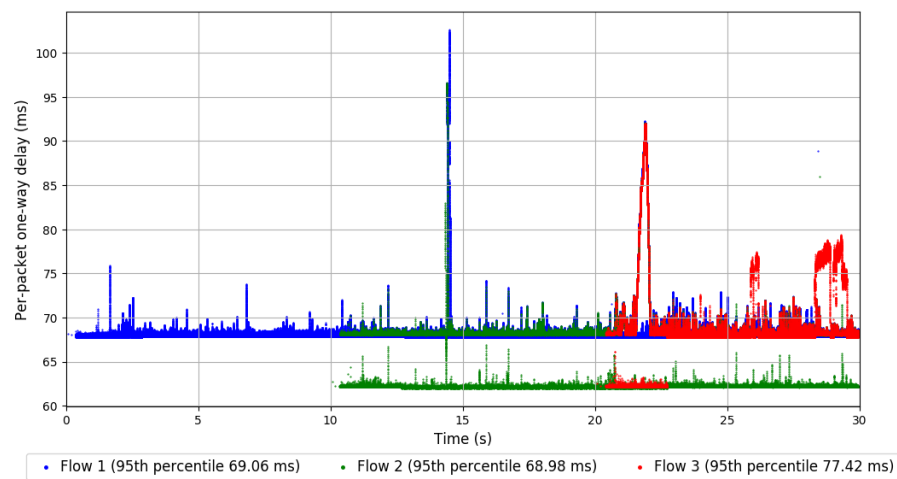
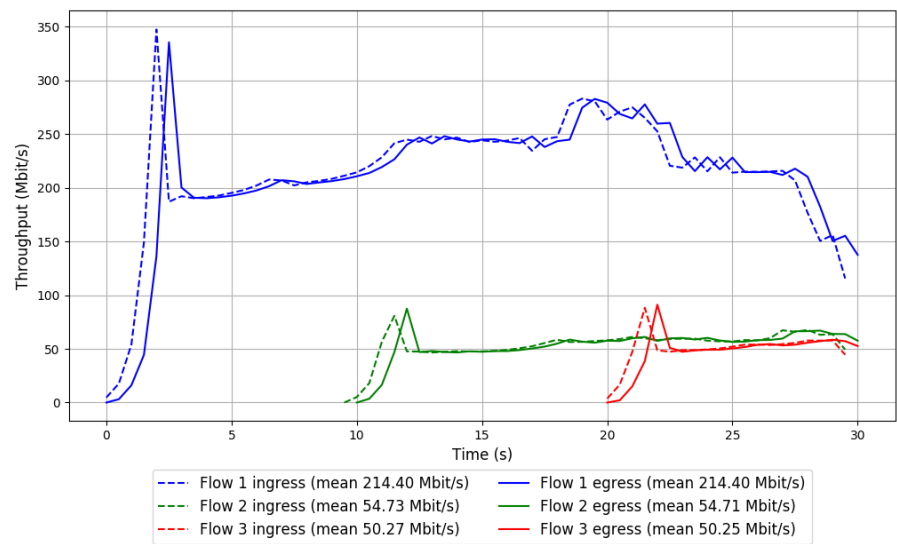
-- Flow 3:

Average throughput: 50.25 Mbit/s

95th percentile per-packet one-way delay: 77.425 ms

Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link

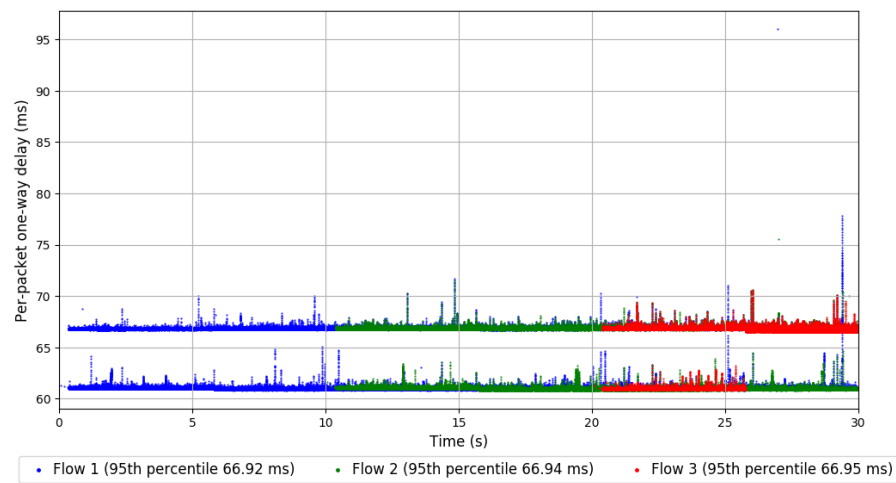
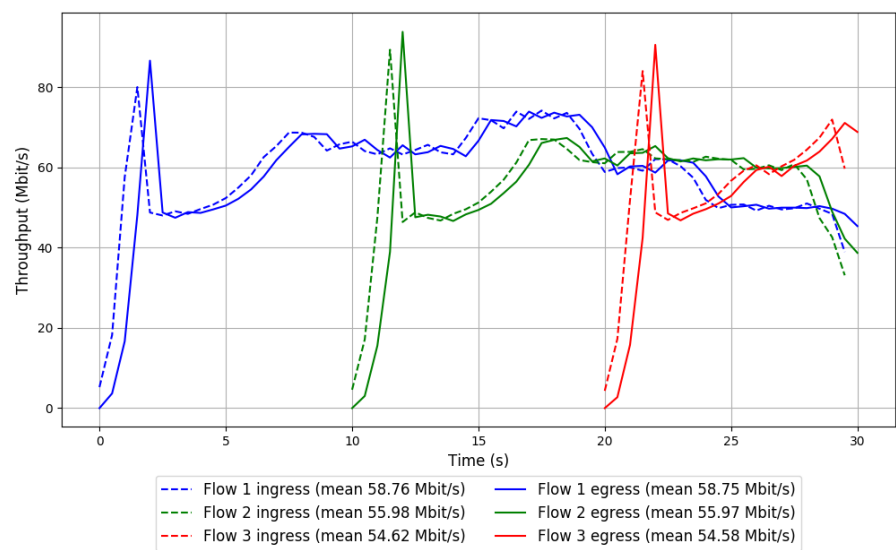


Run 7: Statistics of PCC-Expr

Start at: 2018-07-11 04:44:12
End at: 2018-07-11 04:44:42
Local clock offset: -0.03 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-11 07:57:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 113.96 Mbit/s
95th percentile per-packet one-way delay: 66.934 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 58.75 Mbit/s
95th percentile per-packet one-way delay: 66.924 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 55.97 Mbit/s
95th percentile per-packet one-way delay: 66.941 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 54.58 Mbit/s
95th percentile per-packet one-way delay: 66.952 ms
Loss rate: 0.07%

Run 7: Report of PCC-Expr — Data Link

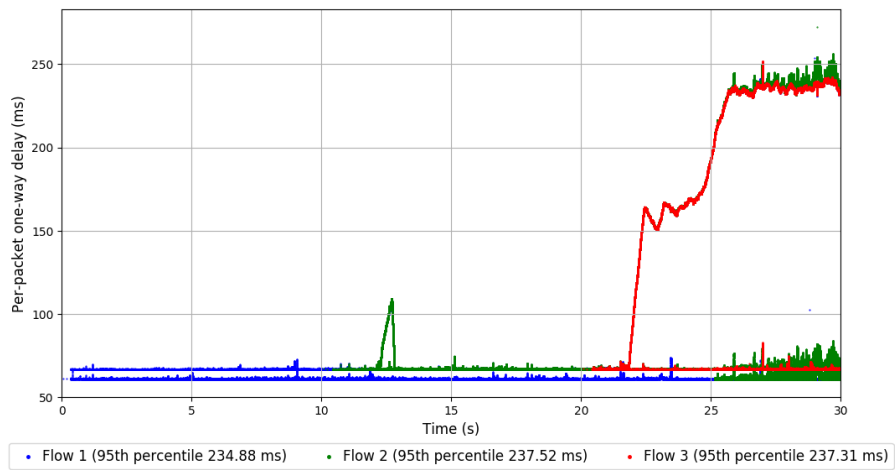
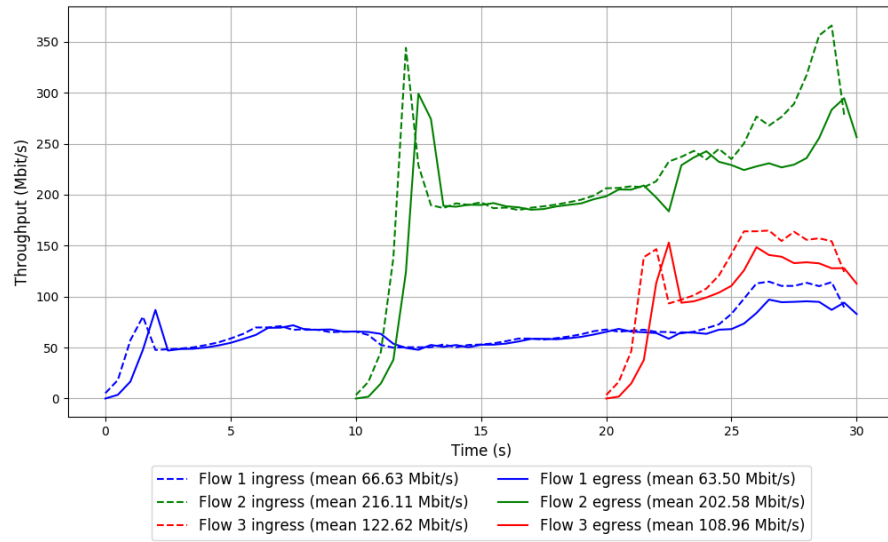


Run 8: Statistics of PCC-Expr

Start at: 2018-07-11 05:08:13
End at: 2018-07-11 05:08:43
Local clock offset: -0.014 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-07-11 07:57:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 234.03 Mbit/s
95th percentile per-packet one-way delay: 236.675 ms
Loss rate: 6.65%
-- Flow 1:
Average throughput: 63.50 Mbit/s
95th percentile per-packet one-way delay: 234.885 ms
Loss rate: 4.69%
-- Flow 2:
Average throughput: 202.58 Mbit/s
95th percentile per-packet one-way delay: 237.517 ms
Loss rate: 6.28%
-- Flow 3:
Average throughput: 108.96 Mbit/s
95th percentile per-packet one-way delay: 237.314 ms
Loss rate: 11.19%

Run 8: Report of PCC-Expr — Data Link

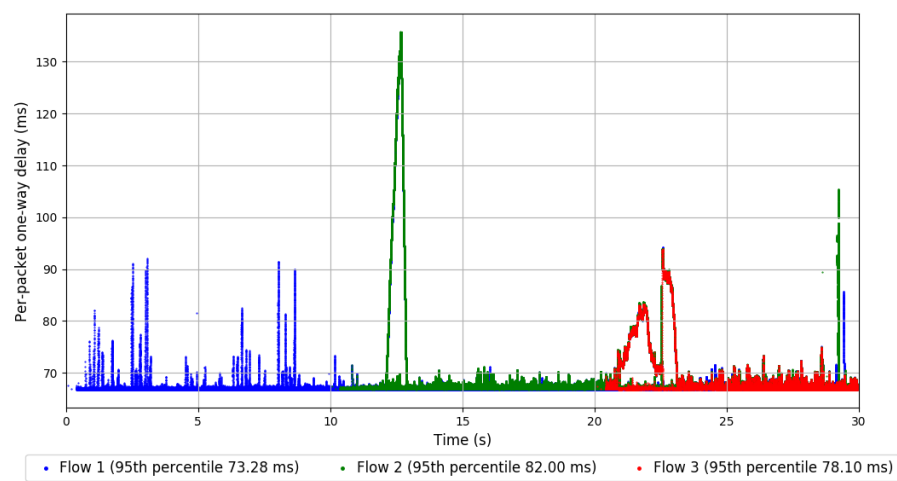
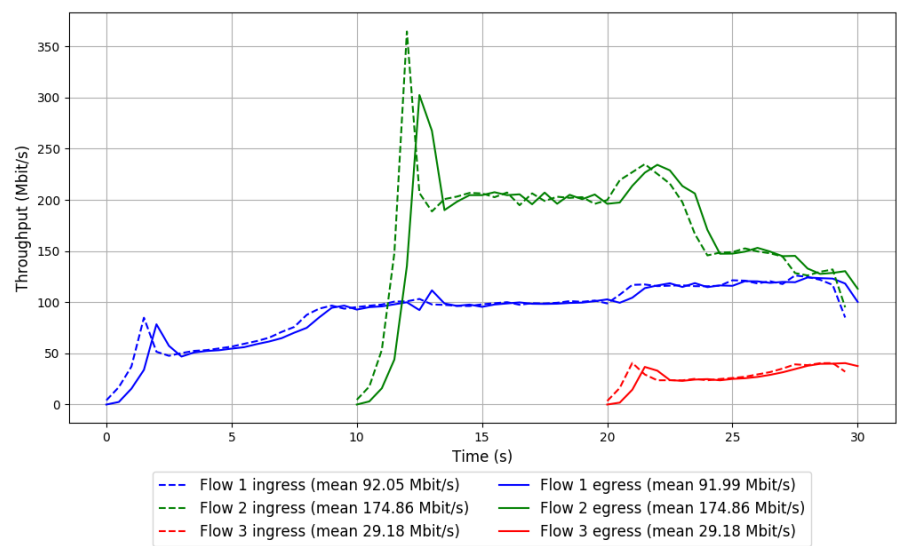


```
Run 9: Statistics of PCC-Expr

Start at: 2018-07-11 05:32:37
End at: 2018-07-11 05:33:07
Local clock offset: -0.005 ms
Remote clock offset: 0.23 ms

# Below is generated by plot.py at 2018-07-11 07:58:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 217.89 Mbit/s
95th percentile per-packet one-way delay: 78.499 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 91.99 Mbit/s
95th percentile per-packet one-way delay: 73.285 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 174.86 Mbit/s
95th percentile per-packet one-way delay: 82.002 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.18 Mbit/s
95th percentile per-packet one-way delay: 78.098 ms
Loss rate: 0.00%
```


Run 9: Report of PCC-Expr — Data Link

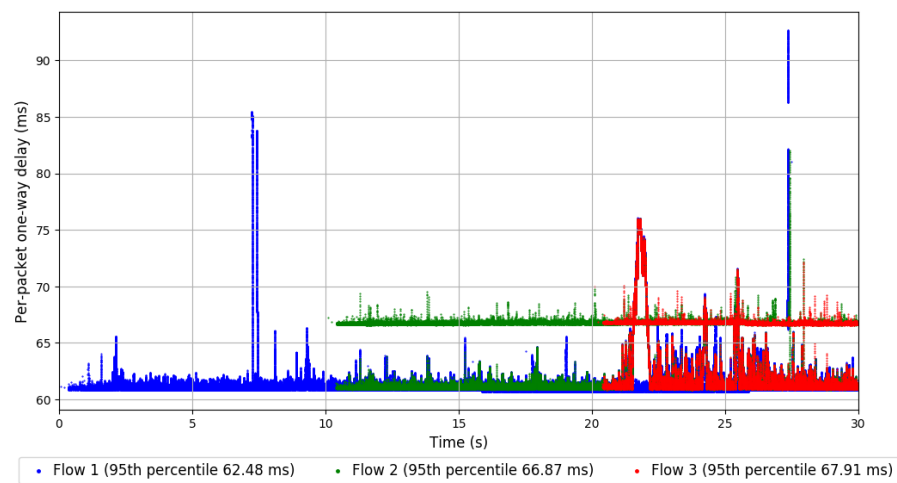
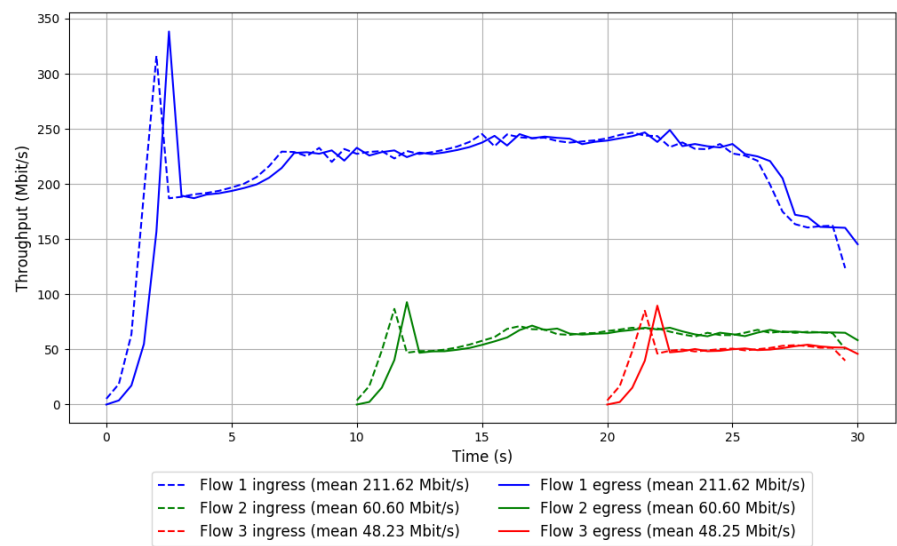


Run 10: Statistics of PCC-Expr

Start at: 2018-07-11 05:56:52
End at: 2018-07-11 05:57:22
Local clock offset: -0.032 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-11 08:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 267.76 Mbit/s
95th percentile per-packet one-way delay: 66.767 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 211.62 Mbit/s
95th percentile per-packet one-way delay: 62.482 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.60 Mbit/s
95th percentile per-packet one-way delay: 66.866 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.25 Mbit/s
95th percentile per-packet one-way delay: 67.906 ms
Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link

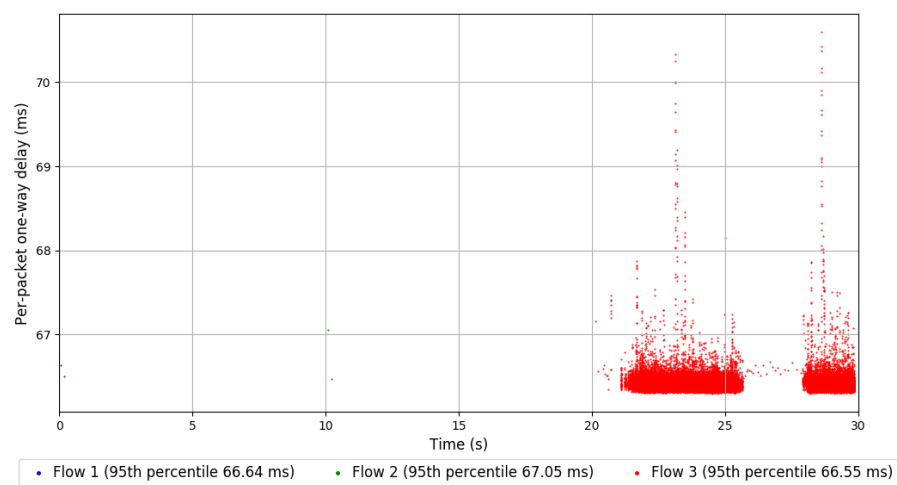
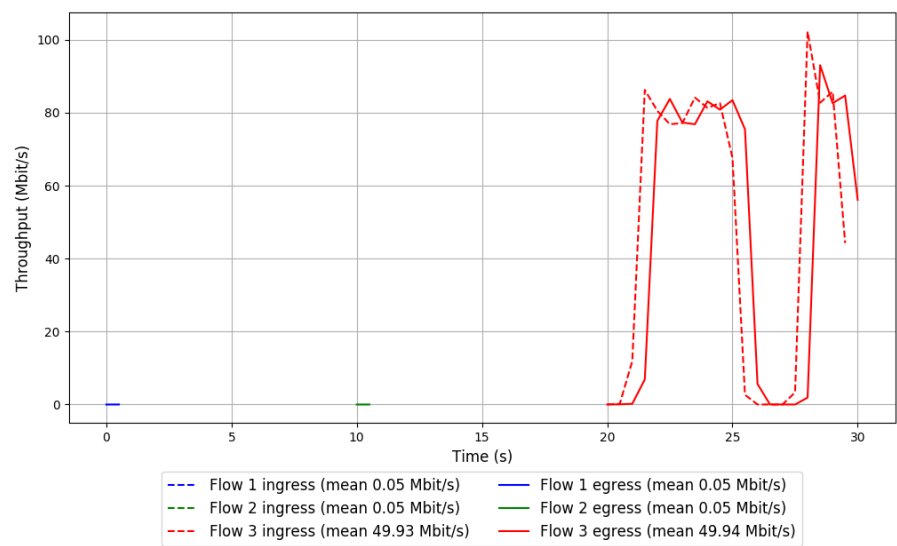


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-11 01:57:01
End at: 2018-07-11 01:57:31
Local clock offset: 0.013 ms
Remote clock offset: -0.321 ms

Below is generated by plot.py at 2018-07-11 08:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.29 Mbit/s
95th percentile per-packet one-way delay: 66.547 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 66.637 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 67.053 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.94 Mbit/s
95th percentile per-packet one-way delay: 66.546 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

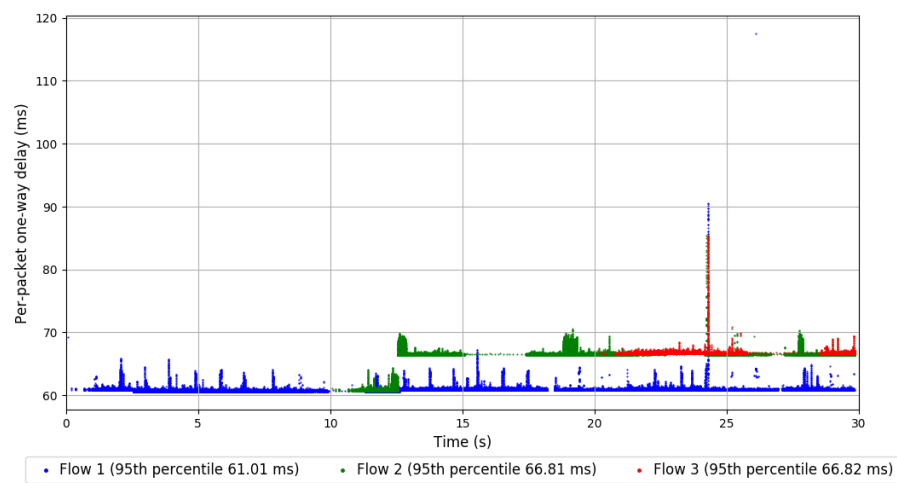
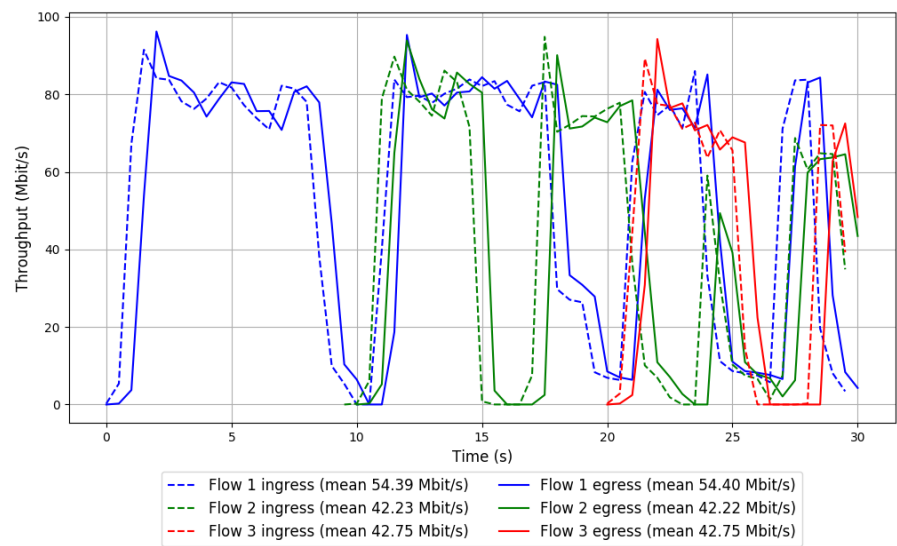


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-11 02:20:35
End at: 2018-07-11 02:21:05
Local clock offset: 0.041 ms
Remote clock offset: -0.268 ms

Below is generated by plot.py at 2018-07-11 08:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.44 Mbit/s
95th percentile per-packet one-way delay: 66.706 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.40 Mbit/s
95th percentile per-packet one-way delay: 61.013 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.22 Mbit/s
95th percentile per-packet one-way delay: 66.812 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.75 Mbit/s
95th percentile per-packet one-way delay: 66.819 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

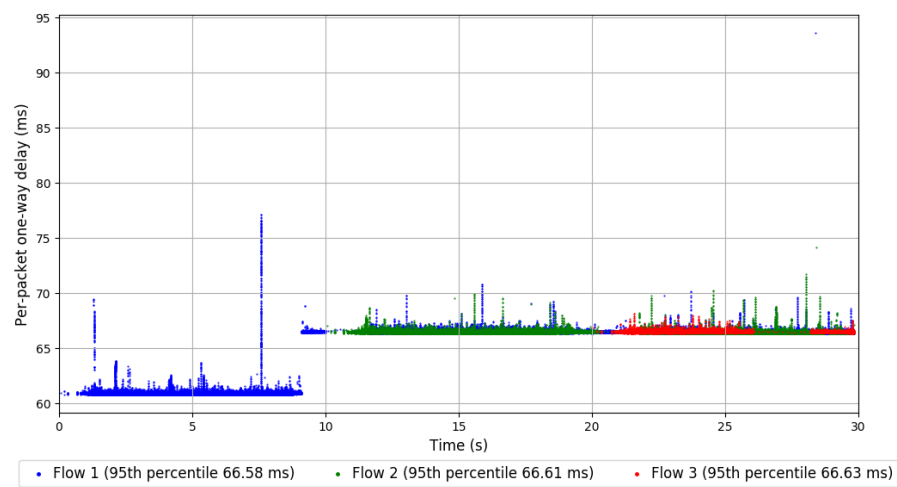
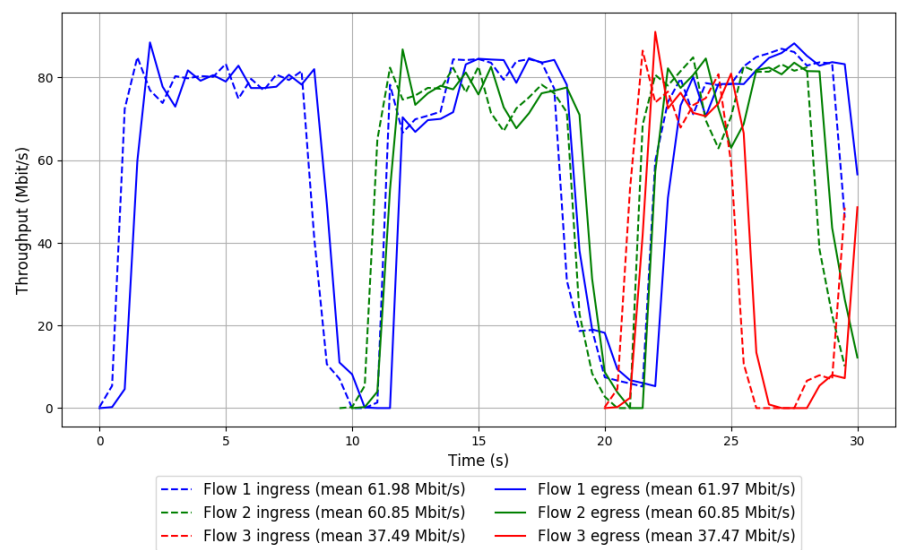


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-11 02:44:58
End at: 2018-07-11 02:45:28
Local clock offset: -0.017 ms
Remote clock offset: -0.287 ms

Below is generated by plot.py at 2018-07-11 08:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 114.66 Mbit/s
95th percentile per-packet one-way delay: 66.598 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 61.97 Mbit/s
95th percentile per-packet one-way delay: 66.575 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 60.85 Mbit/s
95th percentile per-packet one-way delay: 66.611 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 37.47 Mbit/s
95th percentile per-packet one-way delay: 66.631 ms
Loss rate: 0.11%

Run 3: Report of QUIC Cubic — Data Link

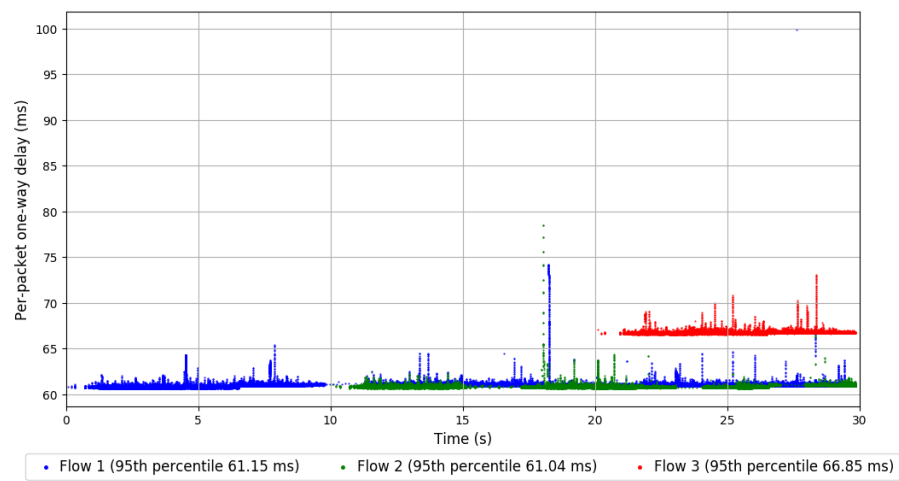
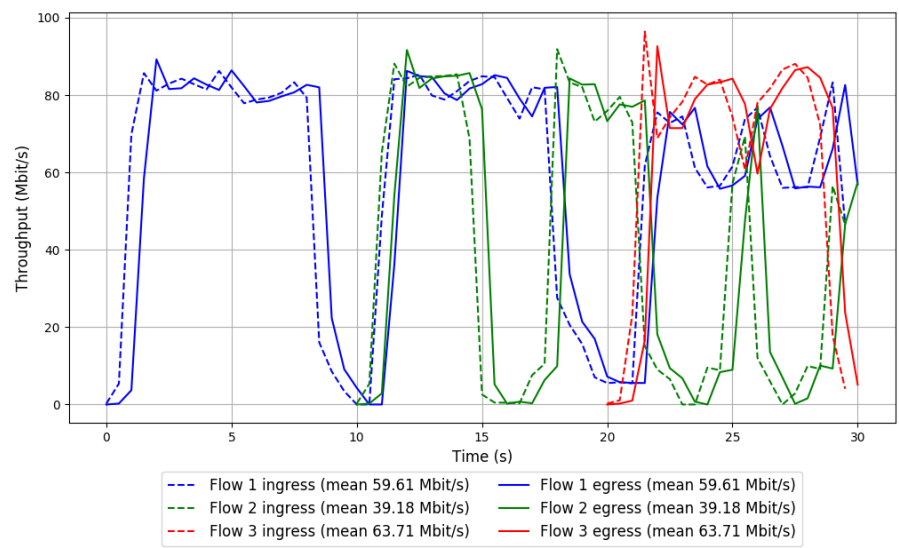


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-11 03:09:41
End at: 2018-07-11 03:10:11
Local clock offset: -0.012 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-07-11 08:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 106.45 Mbit/s
95th percentile per-packet one-way delay: 66.742 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.61 Mbit/s
95th percentile per-packet one-way delay: 61.146 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.18 Mbit/s
95th percentile per-packet one-way delay: 61.040 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.71 Mbit/s
95th percentile per-packet one-way delay: 66.852 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-11 03:33:59

End at: 2018-07-11 03:34:29

Local clock offset: -0.031 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-11 08:01:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.69 Mbit/s

95th percentile per-packet one-way delay: 66.967 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 66.929 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 61.52 Mbit/s

95th percentile per-packet one-way delay: 61.317 ms

Loss rate: 0.00%

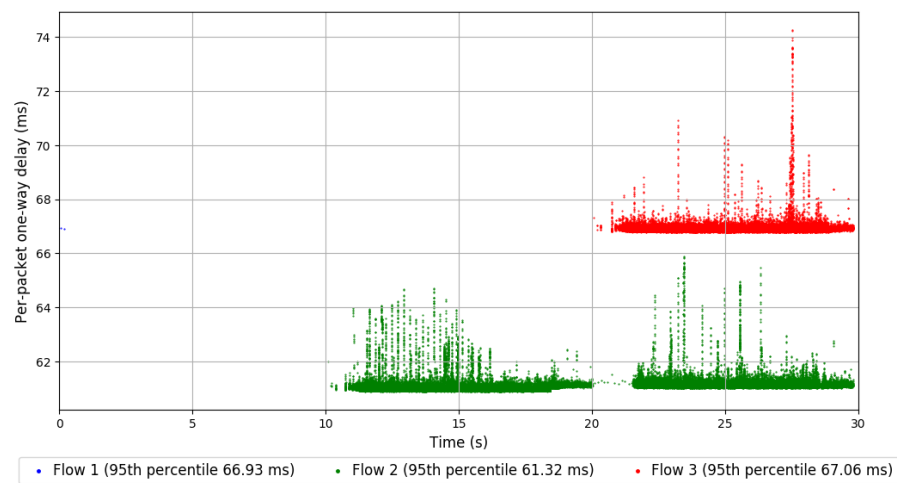
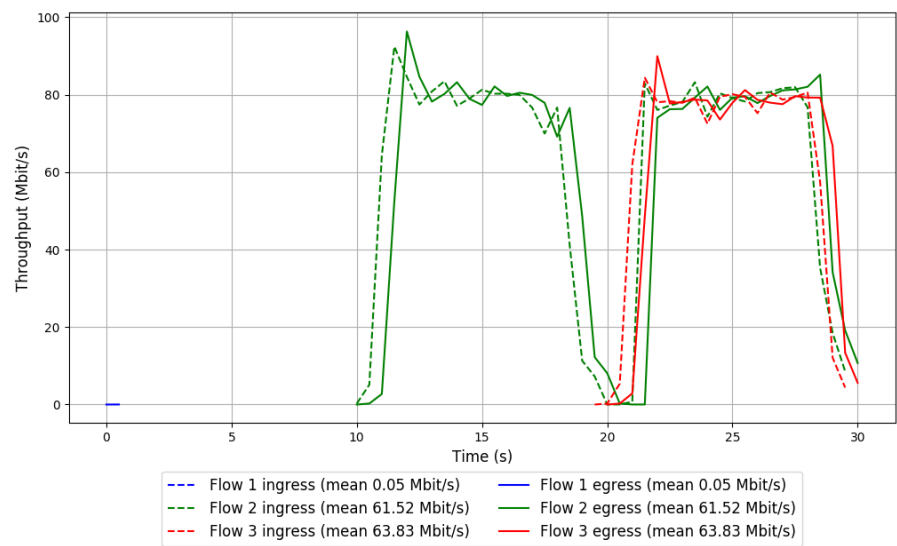
-- Flow 3:

Average throughput: 63.83 Mbit/s

95th percentile per-packet one-way delay: 67.058 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

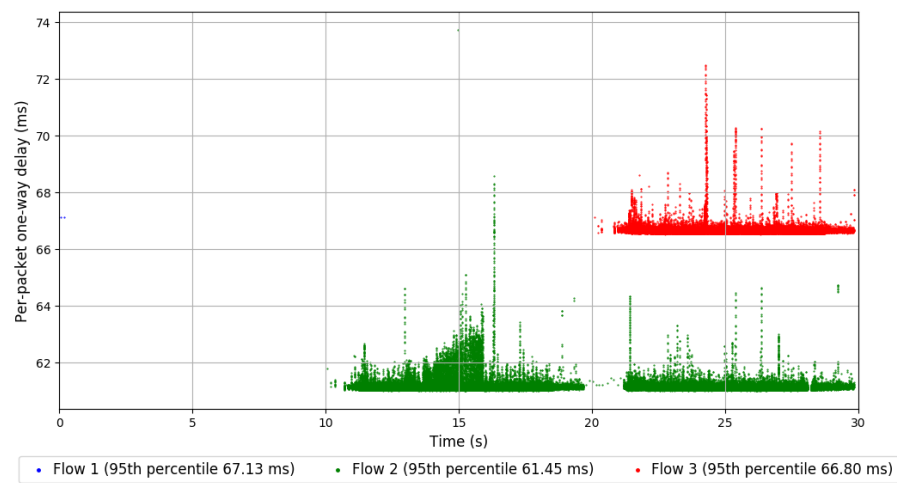
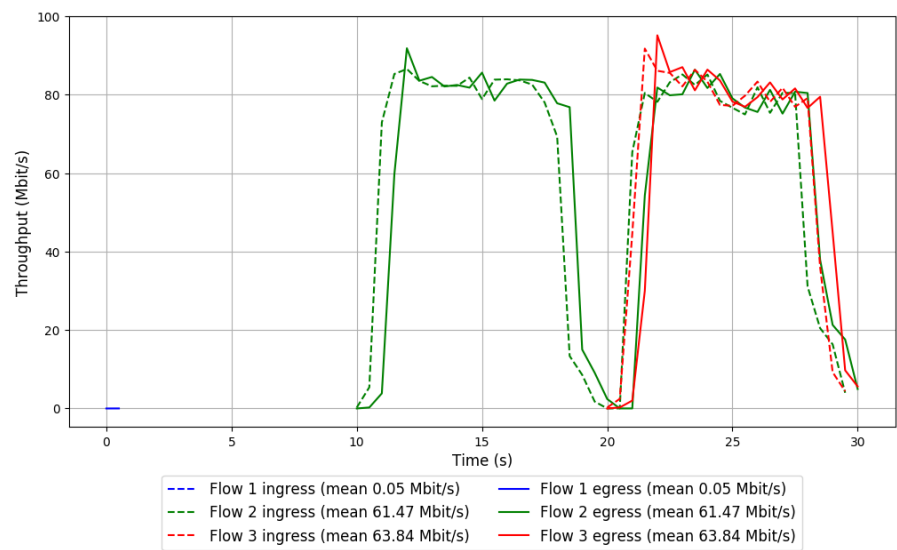


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-11 03:58:19
End at: 2018-07-11 03:58:49
Local clock offset: -0.009 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-11 08:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.72 Mbit/s
95th percentile per-packet one-way delay: 66.709 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 67.131 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.47 Mbit/s
95th percentile per-packet one-way delay: 61.452 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.84 Mbit/s
95th percentile per-packet one-way delay: 66.797 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-11 04:22:39

End at: 2018-07-11 04:23:09

Local clock offset: -0.026 ms

Remote clock offset: 1.051 ms

Below is generated by plot.py at 2018-07-11 08:01:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 121.05 Mbit/s

95th percentile per-packet one-way delay: 67.977 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 61.18 Mbit/s

95th percentile per-packet one-way delay: 68.027 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.04 Mbit/s

95th percentile per-packet one-way delay: 62.340 ms

Loss rate: 0.00%

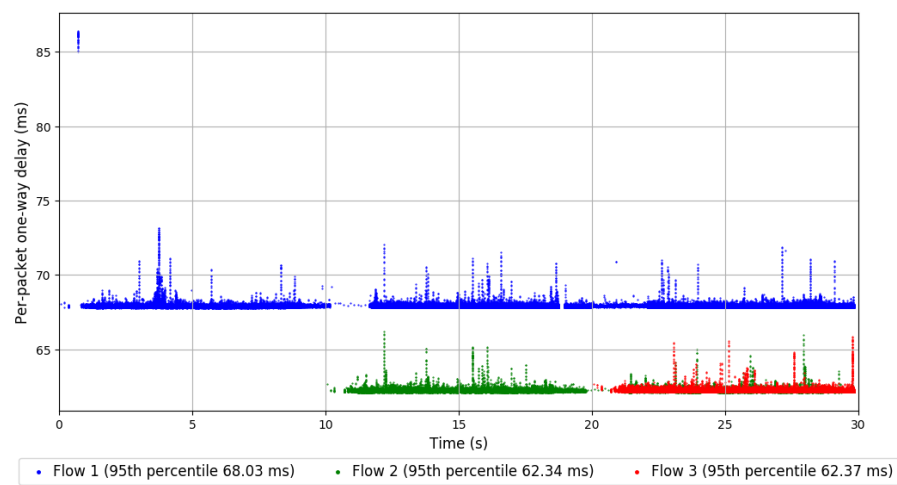
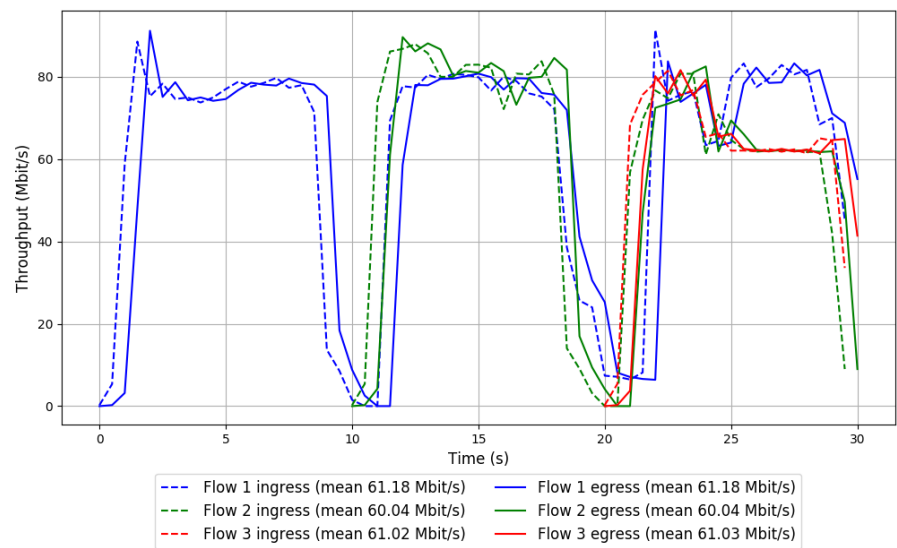
-- Flow 3:

Average throughput: 61.03 Mbit/s

95th percentile per-packet one-way delay: 62.367 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-11 04:46:46

End at: 2018-07-11 04:47:16

Local clock offset: -0.001 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-07-11 08:01:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.93 Mbit/s

95th percentile per-packet one-way delay: 67.016 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 66.892 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 61.92 Mbit/s

95th percentile per-packet one-way delay: 61.293 ms

Loss rate: 0.00%

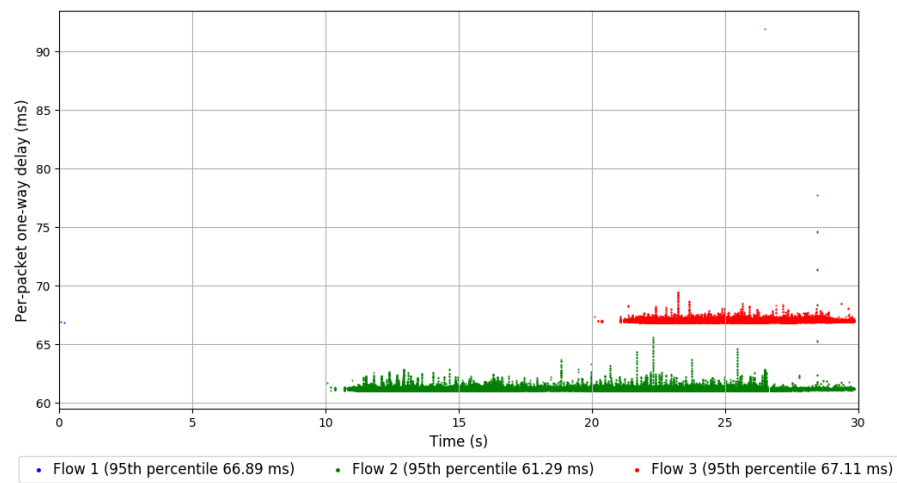
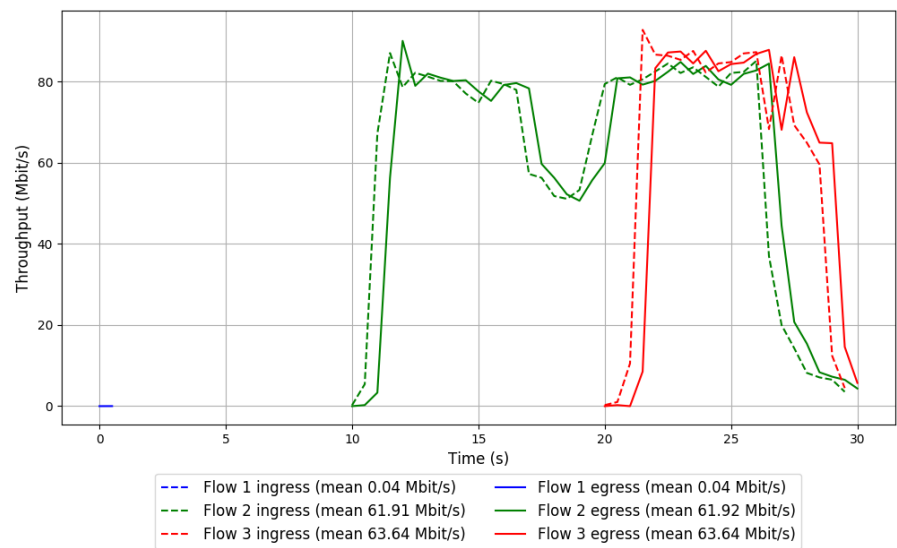
-- Flow 3:

Average throughput: 63.64 Mbit/s

95th percentile per-packet one-way delay: 67.115 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

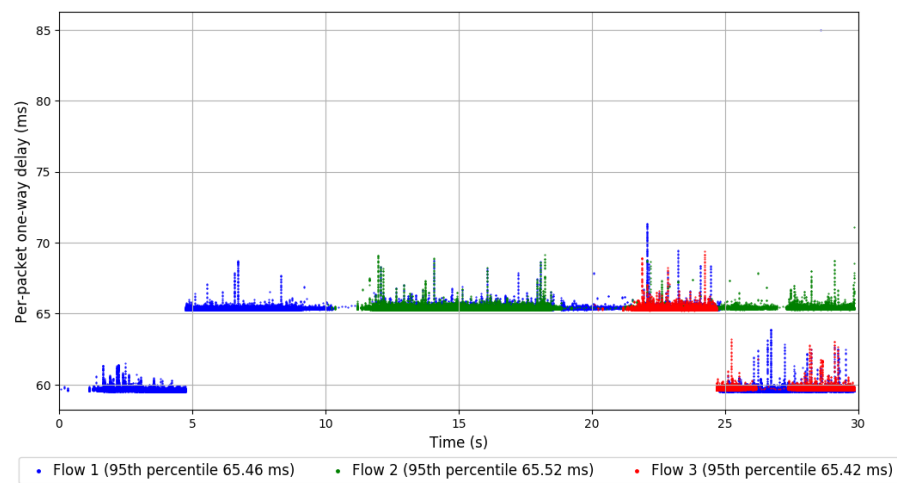
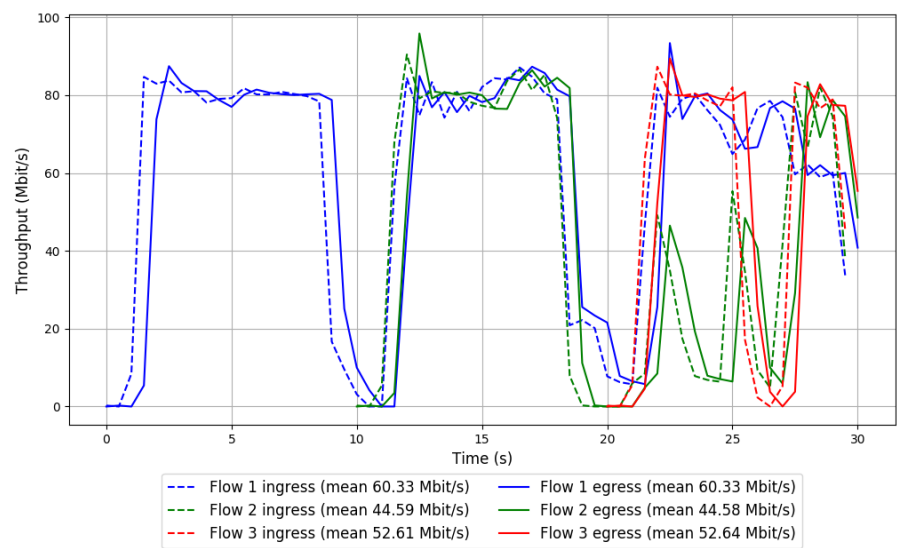


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-11 05:11:03
End at: 2018-07-11 05:11:33
Local clock offset: 0.017 ms
Remote clock offset: -1.353 ms

Below is generated by plot.py at 2018-07-11 08:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 107.11 Mbit/s
95th percentile per-packet one-way delay: 65.476 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.33 Mbit/s
95th percentile per-packet one-way delay: 65.461 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.58 Mbit/s
95th percentile per-packet one-way delay: 65.521 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 52.64 Mbit/s
95th percentile per-packet one-way delay: 65.416 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-11 05:35:24

End at: 2018-07-11 05:35:54

Local clock offset: 0.005 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-07-11 08:01:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 112.91 Mbit/s

95th percentile per-packet one-way delay: 66.903 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 62.12 Mbit/s

95th percentile per-packet one-way delay: 66.928 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.20 Mbit/s

95th percentile per-packet one-way delay: 61.185 ms

Loss rate: 0.00%

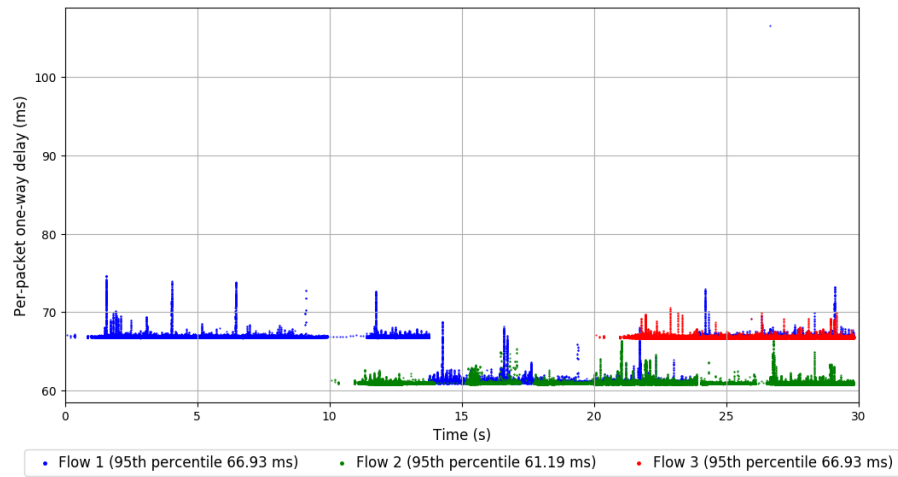
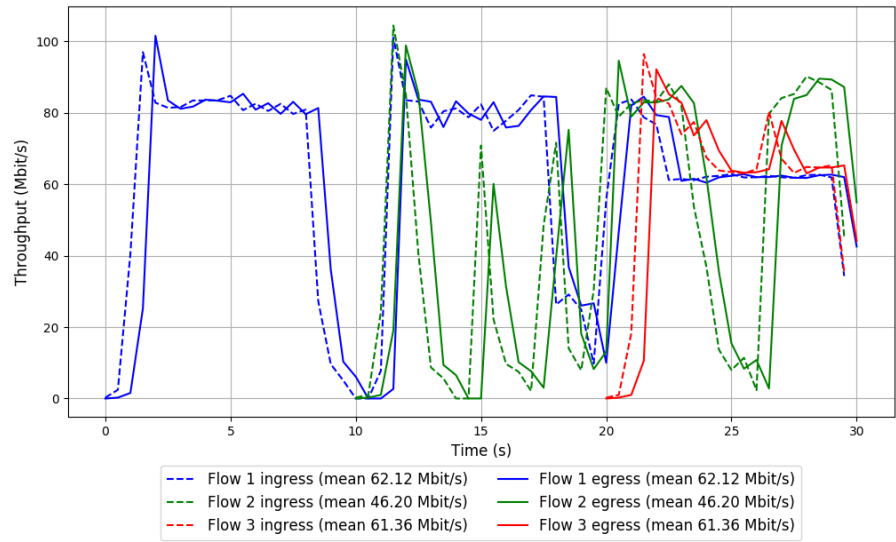
-- Flow 3:

Average throughput: 61.36 Mbit/s

95th percentile per-packet one-way delay: 66.932 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

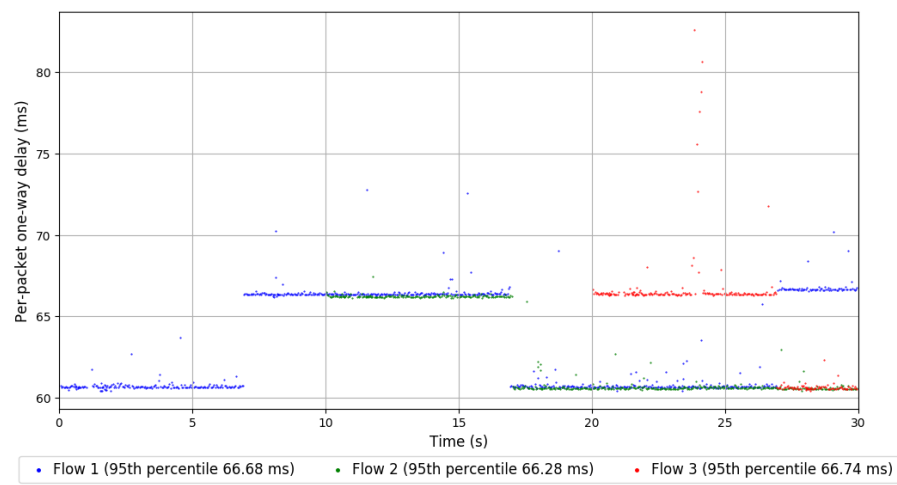
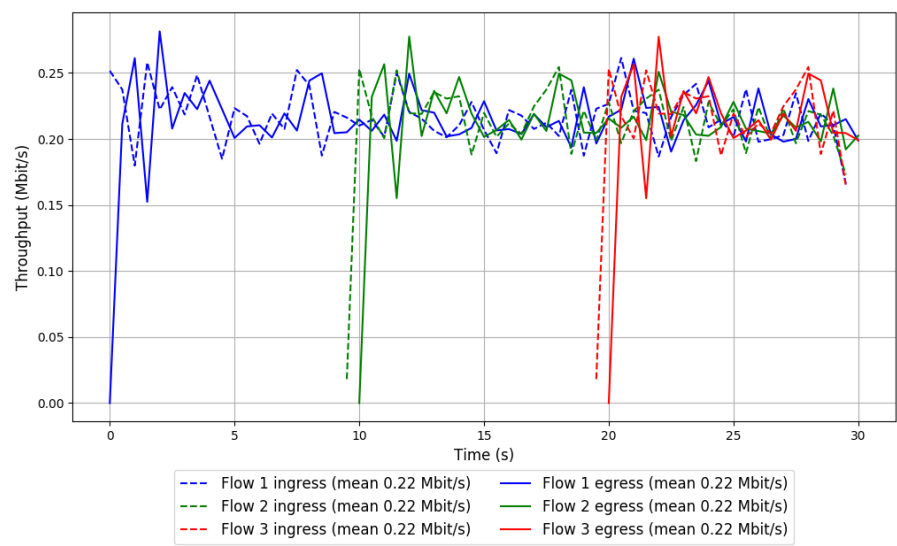


```
Run 1: Statistics of SCReAM

Start at: 2018-07-11 02:01:21
End at: 2018-07-11 02:01:51
Local clock offset: -0.05 ms
Remote clock offset: -0.615 ms

# Below is generated by plot.py at 2018-07-11 08:01:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 66.651 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.678 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.285 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.741 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link

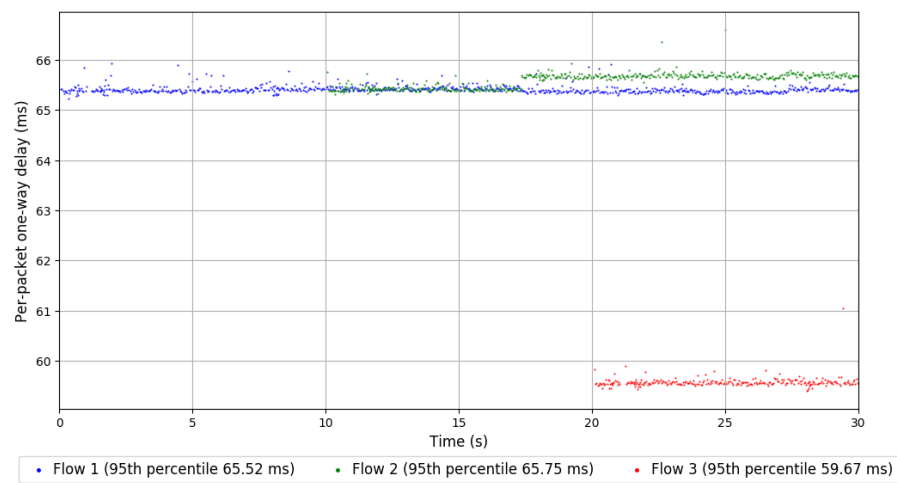
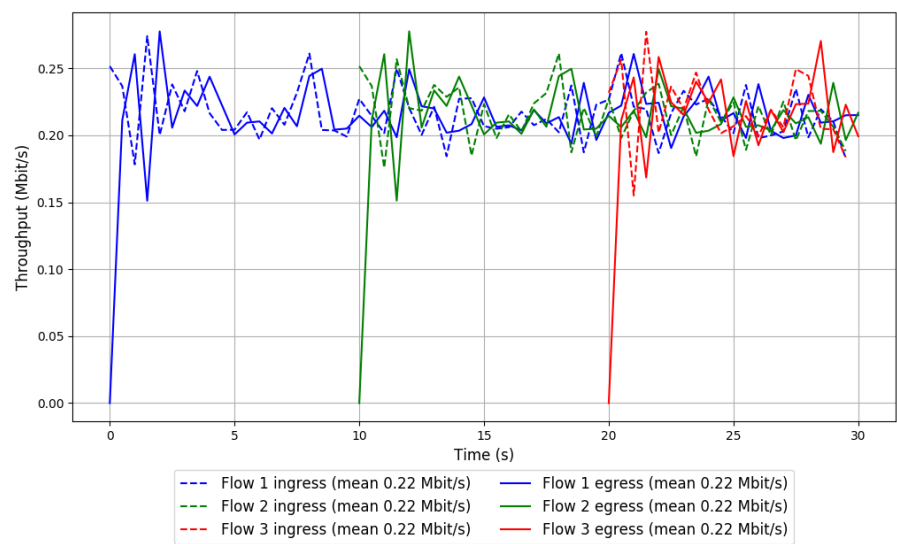


Run 2: Statistics of SReAM

Start at: 2018-07-11 02:25:10
End at: 2018-07-11 02:25:40
Local clock offset: -0.03 ms
Remote clock offset: -1.525 ms

Below is generated by plot.py at 2018-07-11 08:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 65.713 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.518 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.748 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.670 ms
Loss rate: 0.00%

Run 2: Report of SCReAM — Data Link

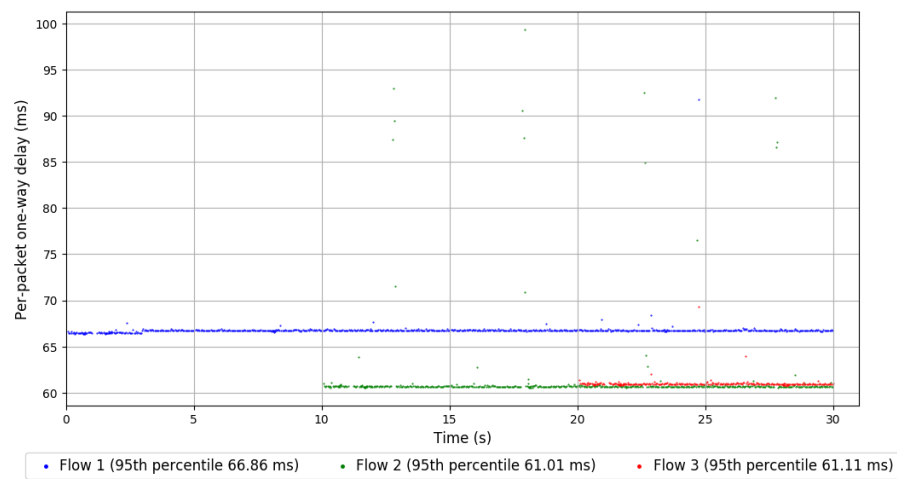
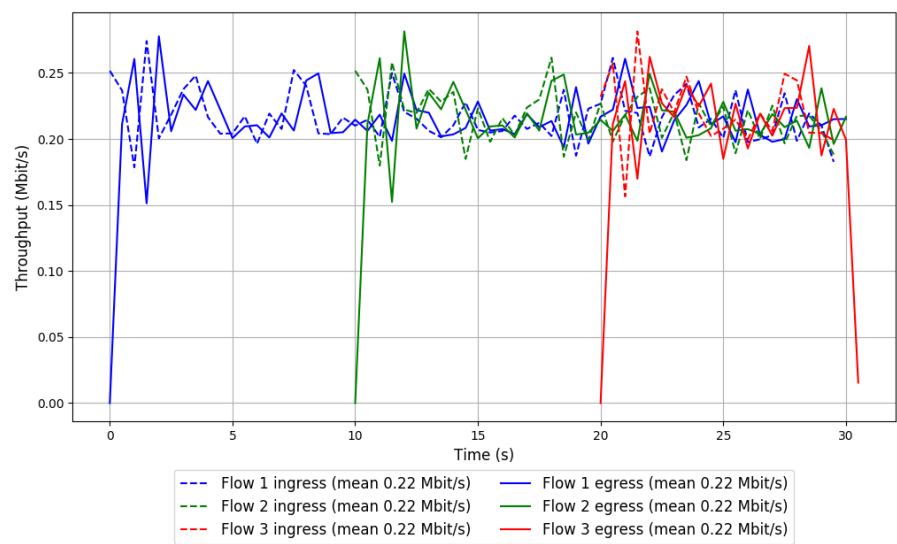


Run 3: Statistics of SReAM

Start at: 2018-07-11 02:49:35
End at: 2018-07-11 02:50:05
Local clock offset: -0.003 ms
Remote clock offset: -0.379 ms

Below is generated by plot.py at 2018-07-11 08:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 66.822 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.857 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.011 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.108 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

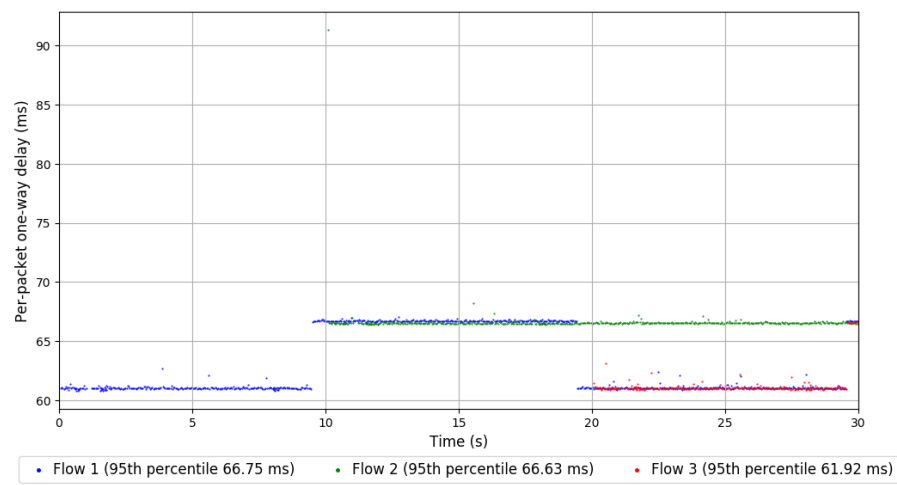
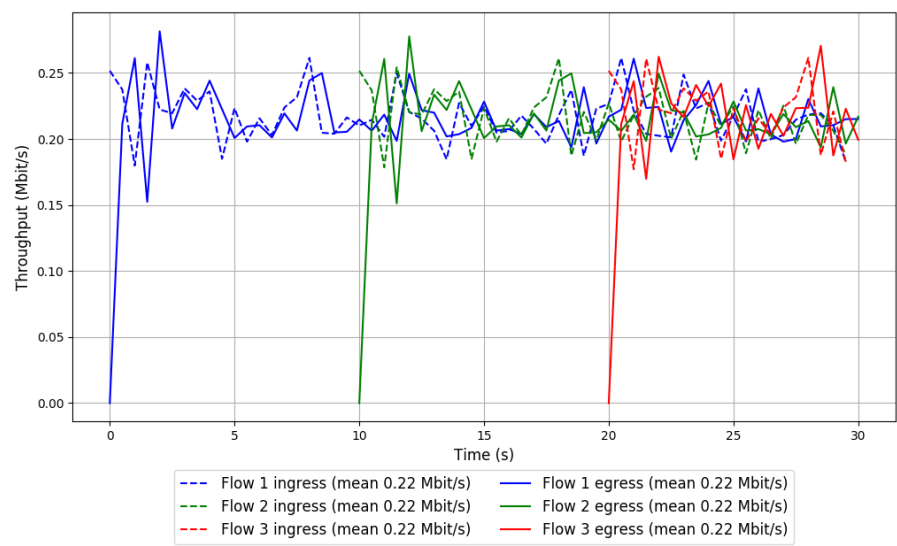


Run 4: Statistics of SReAM

Start at: 2018-07-11 03:14:18
End at: 2018-07-11 03:14:48
Local clock offset: -0.022 ms
Remote clock offset: -0.413 ms

Below is generated by plot.py at 2018-07-11 08:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 66.720 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.746 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.626 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.916 ms
Loss rate: 0.35%

Run 4: Report of SReAM — Data Link

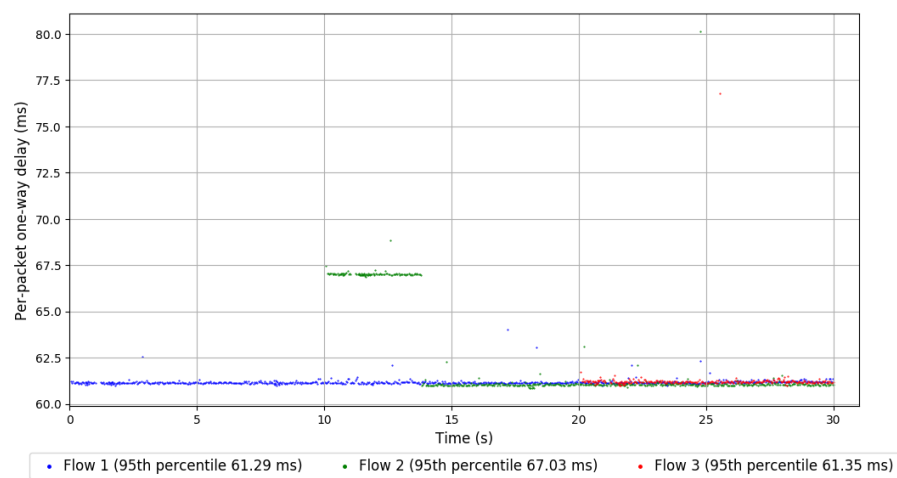
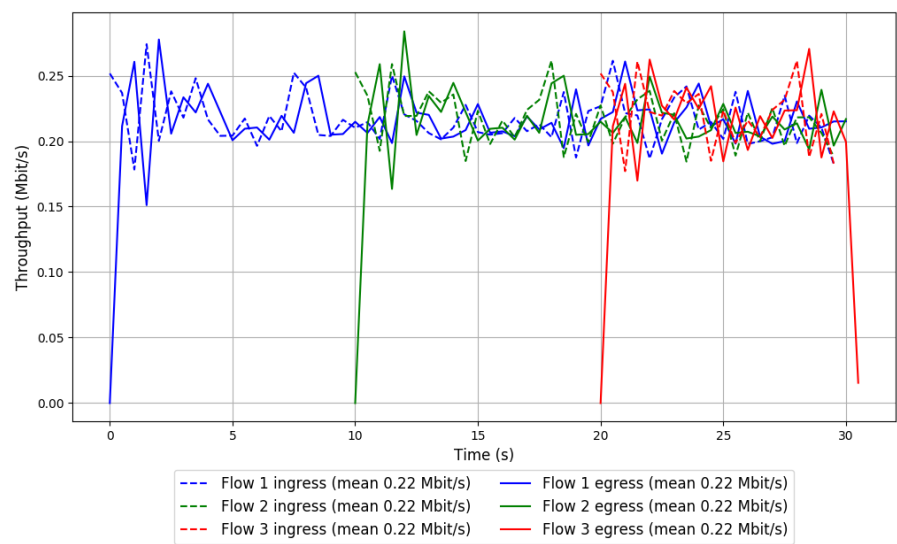


Run 5: Statistics of SReAM

Start at: 2018-07-11 03:38:34
End at: 2018-07-11 03:39:04
Local clock offset: -0.088 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-07-11 08:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 66.988 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.286 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 67.035 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.347 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-07-11 04:02:41

End at: 2018-07-11 04:03:11

Local clock offset: -0.017 ms

Remote clock offset: 1.222 ms

Below is generated by plot.py at 2018-07-11 08:01:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 68.448 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 68.474 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 68.405 ms

Loss rate: 0.00%

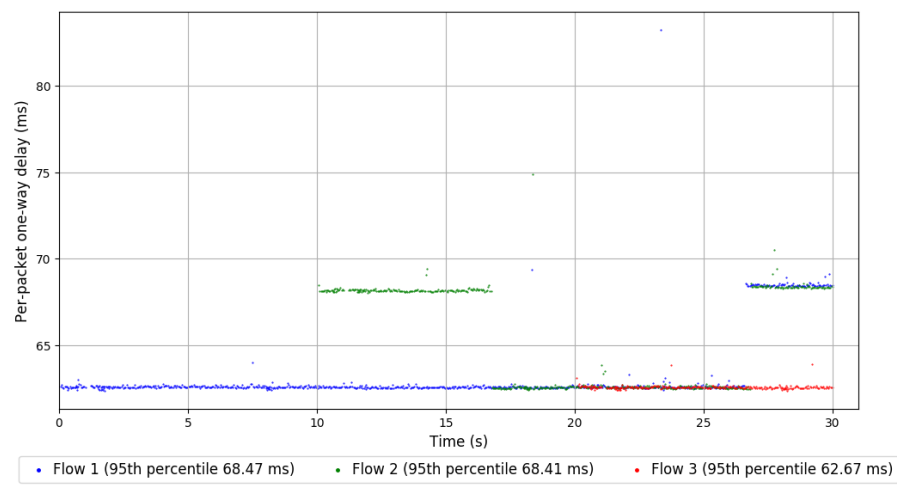
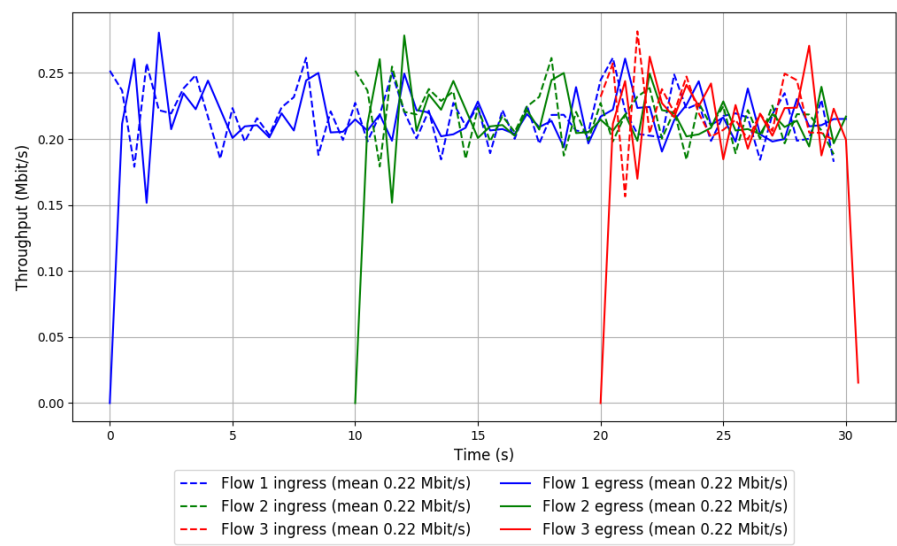
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.673 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

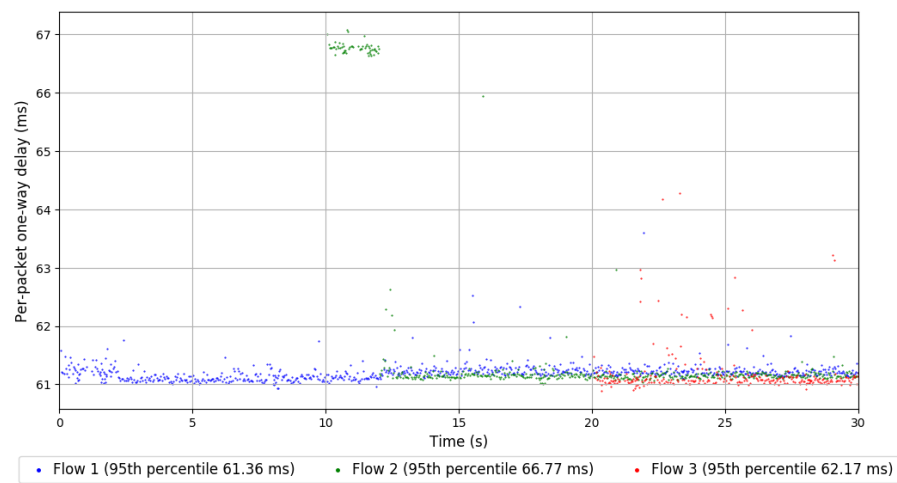
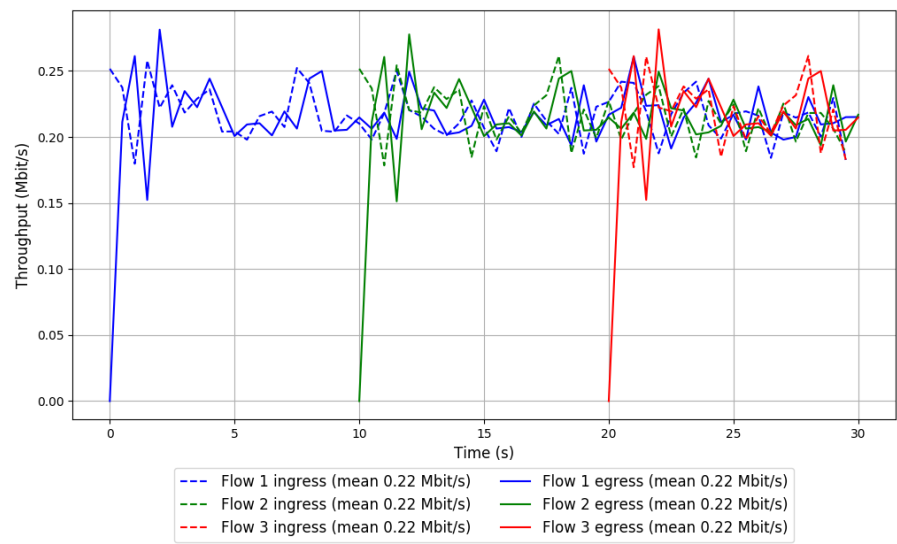


Run 7: Statistics of SReAM

Start at: 2018-07-11 04:27:06
End at: 2018-07-11 04:27:36
Local clock offset: -0.028 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-07-11 08:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 62.177 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.364 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.771 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.171 ms
Loss rate: 0.00%

Run 7: Report of SCReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-07-11 04:51:20

End at: 2018-07-11 04:51:50

Local clock offset: -0.02 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-11 08:01:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 66.957 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 66.985 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

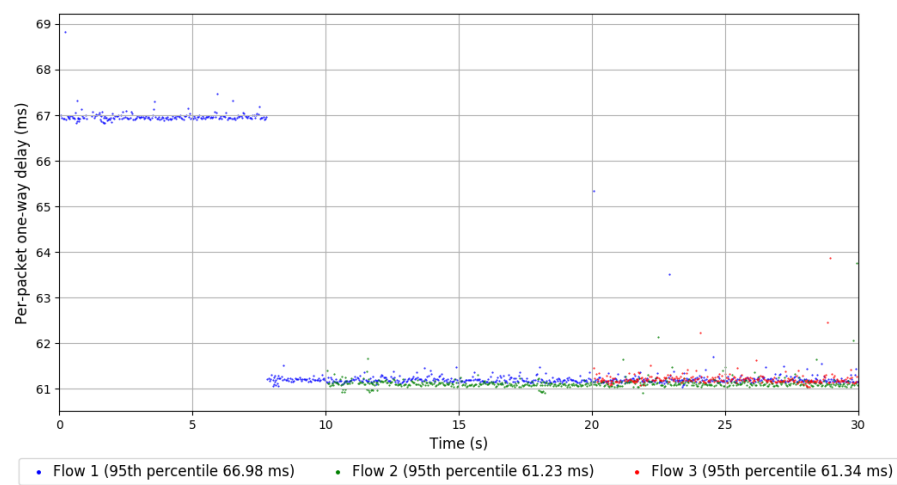
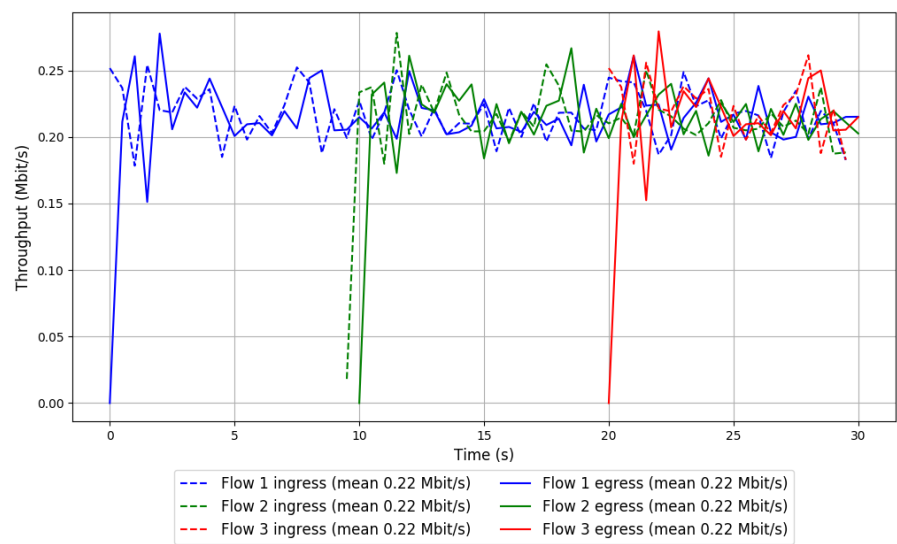
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.341 ms

Loss rate: 0.00%

Run 8: Report of SCReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-07-11 05:15:29

End at: 2018-07-11 05:15:59

Local clock offset: 0.044 ms

Remote clock offset: 0.161 ms

Below is generated by plot.py at 2018-07-11 08:01:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 67.120 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.361 ms

Loss rate: 0.00%

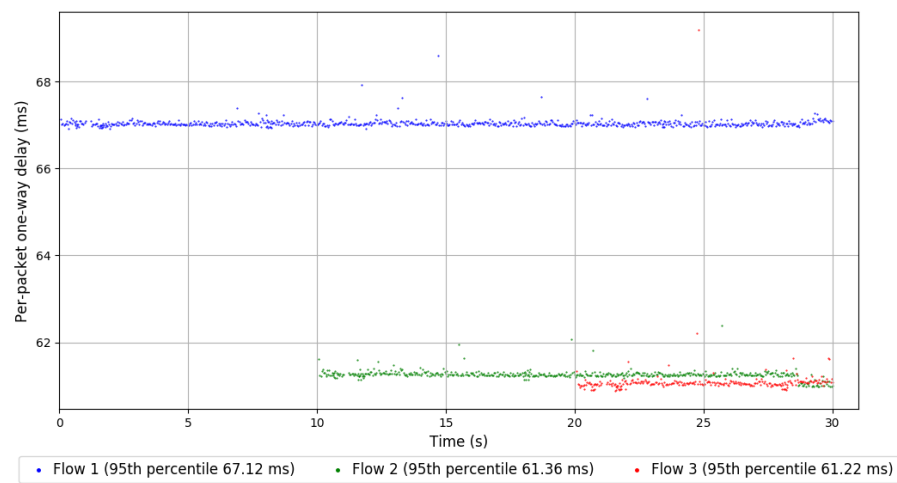
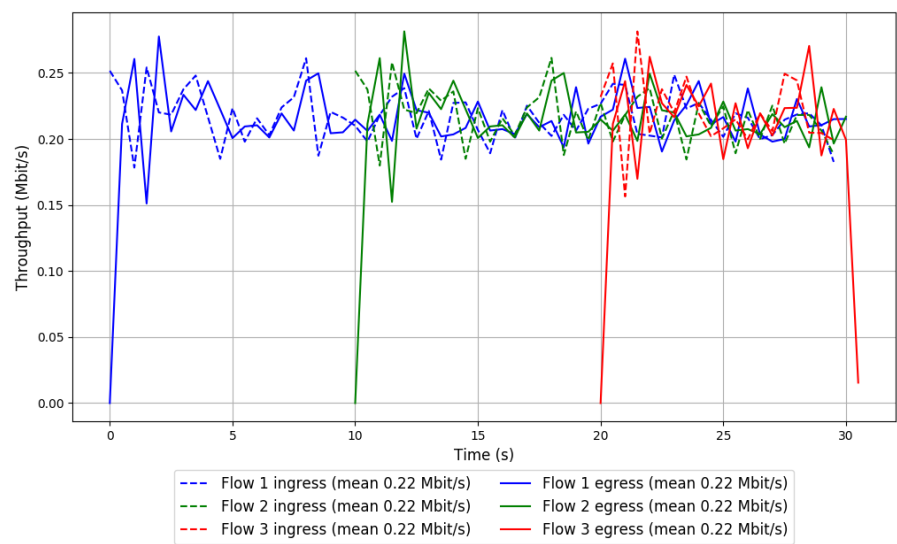
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.224 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

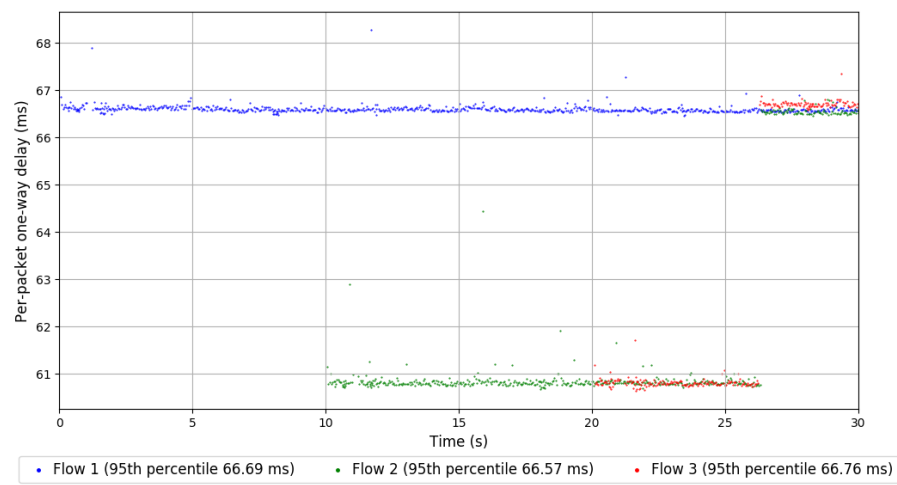
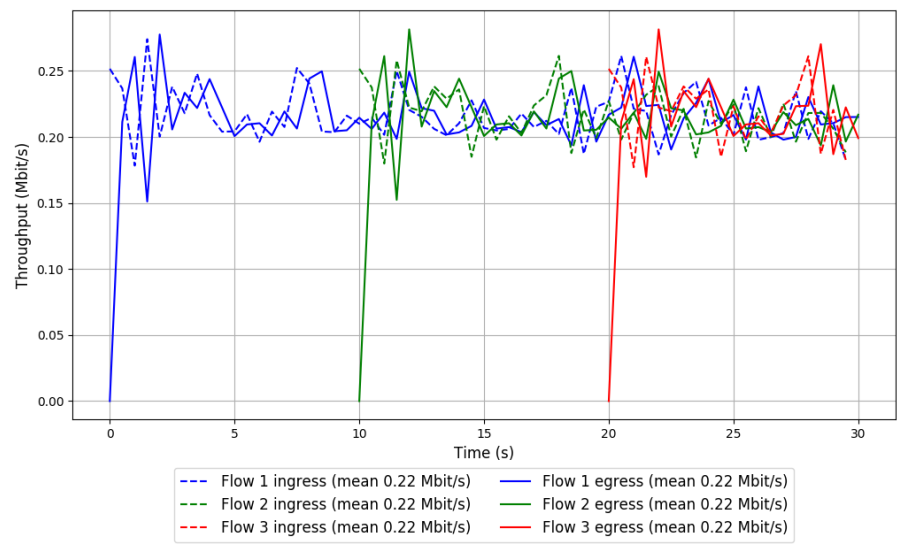


Run 10: Statistics of SReAM

Start at: 2018-07-11 05:40:01
End at: 2018-07-11 05:40:31
Local clock offset: 0.05 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-07-11 08:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 66.710 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.690 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.566 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.757 ms
Loss rate: 0.35%

Run 10: Report of SReAM — Data Link

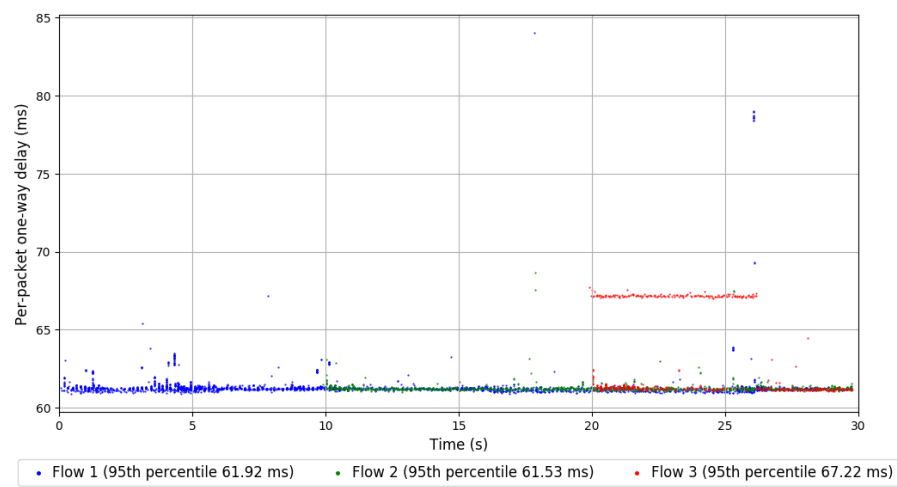
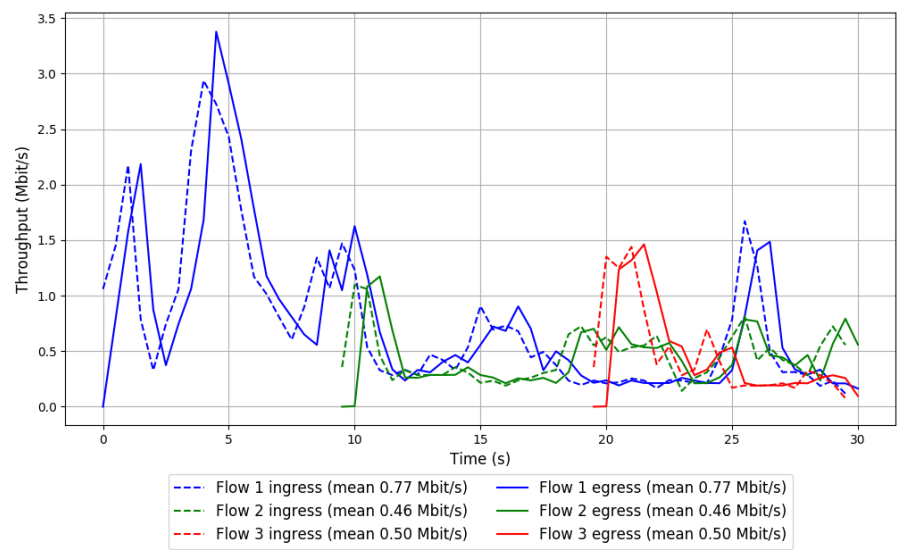


Run 1: Statistics of Sprout

Start at: 2018-07-11 02:03:41
End at: 2018-07-11 02:04:11
Local clock offset: -0.073 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-11 08:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 63.068 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 61.921 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 61.527 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 67.222 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

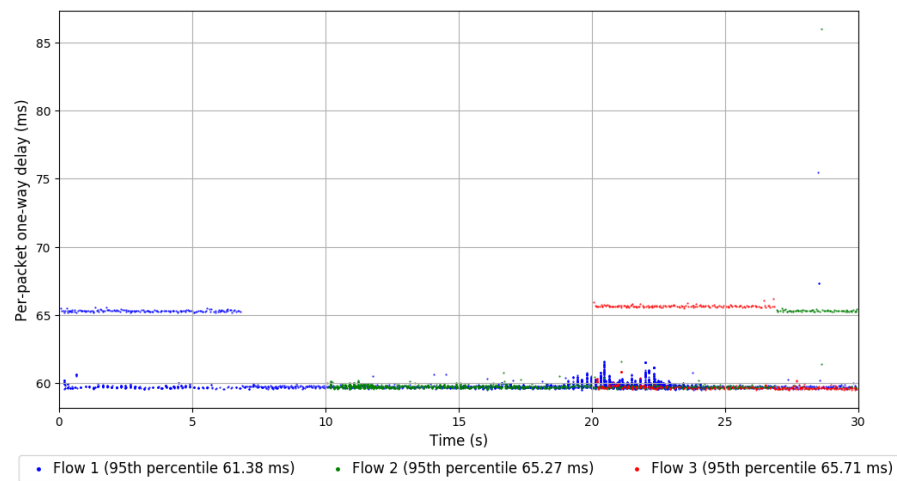
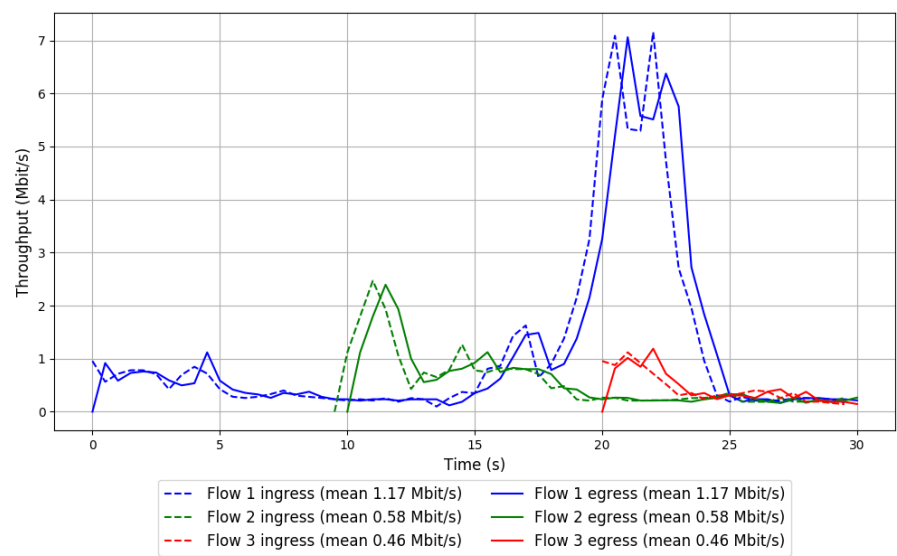


Run 2: Statistics of Sprout

Start at: 2018-07-11 02:27:31
End at: 2018-07-11 02:28:01
Local clock offset: -0.002 ms
Remote clock offset: -1.52 ms

Below is generated by plot.py at 2018-07-11 08:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 65.315 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 61.382 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 65.265 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 65.706 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

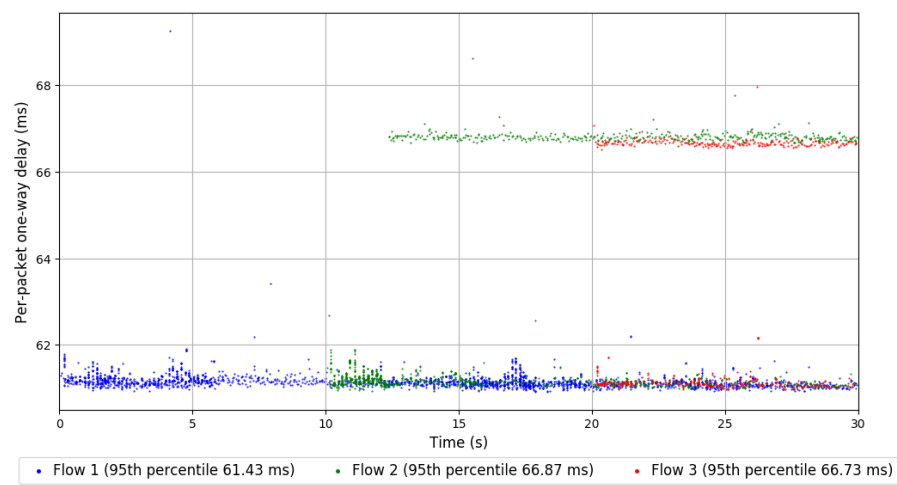
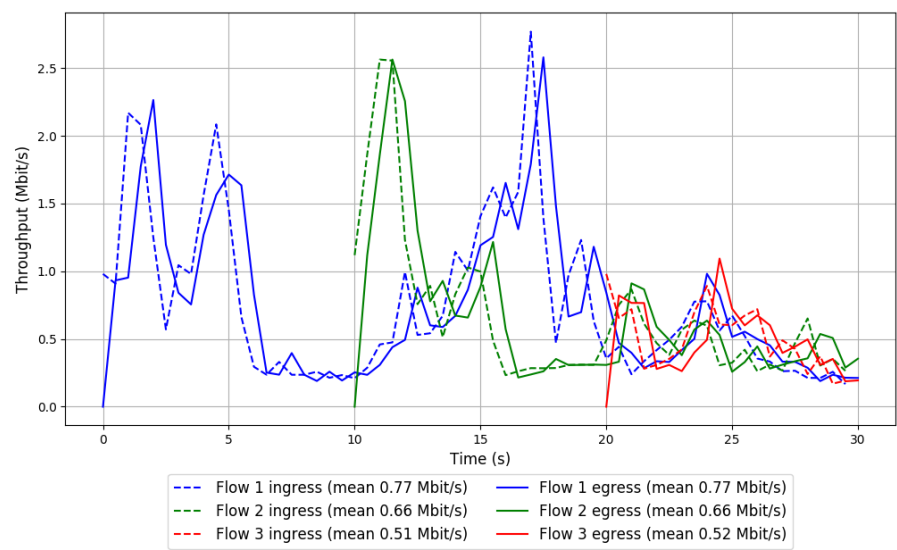


Run 3: Statistics of Sprout

Start at: 2018-07-11 02:51:55
End at: 2018-07-11 02:52:25
Local clock offset: -0.015 ms
Remote clock offset: -0.225 ms

```
# Below is generated by plot.py at 2018-07-11 08:01:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 66.796 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 61.428 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 66.867 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 66.732 ms
Loss rate: 0.02%
```


Run 3: Report of Sprout — Data Link

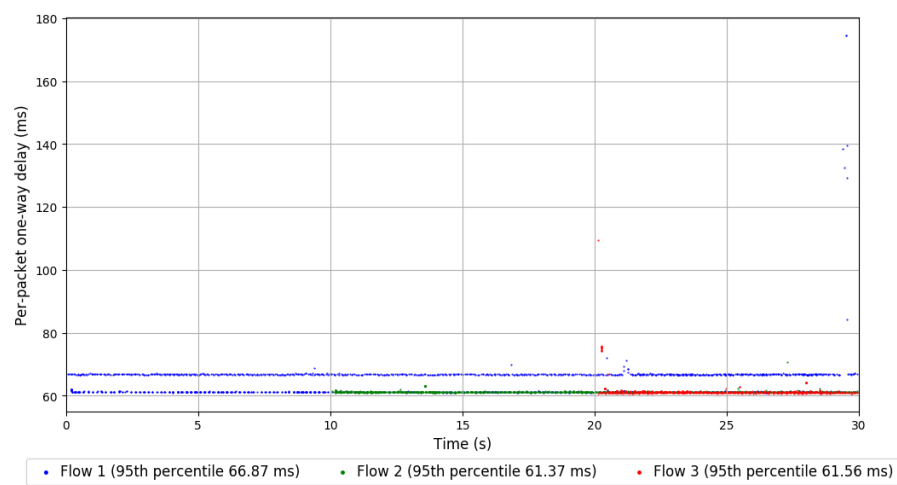
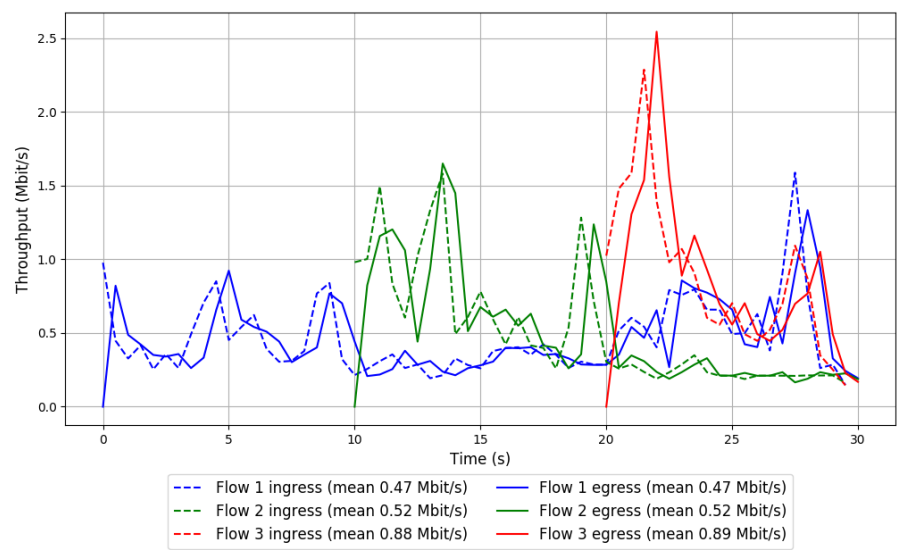


Run 4: Statistics of Sprout

Start at: 2018-07-11 03:16:39
End at: 2018-07-11 03:17:09
Local clock offset: -0.011 ms
Remote clock offset: -0.196 ms

```
# Below is generated by plot.py at 2018-07-11 08:01:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 66.819 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 66.867 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 61.365 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.89 Mbit/s
95th percentile per-packet one-way delay: 61.564 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

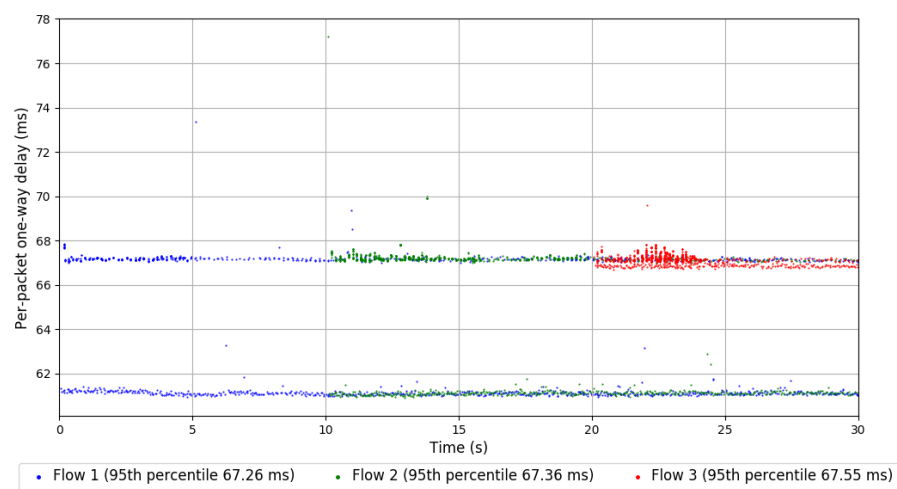
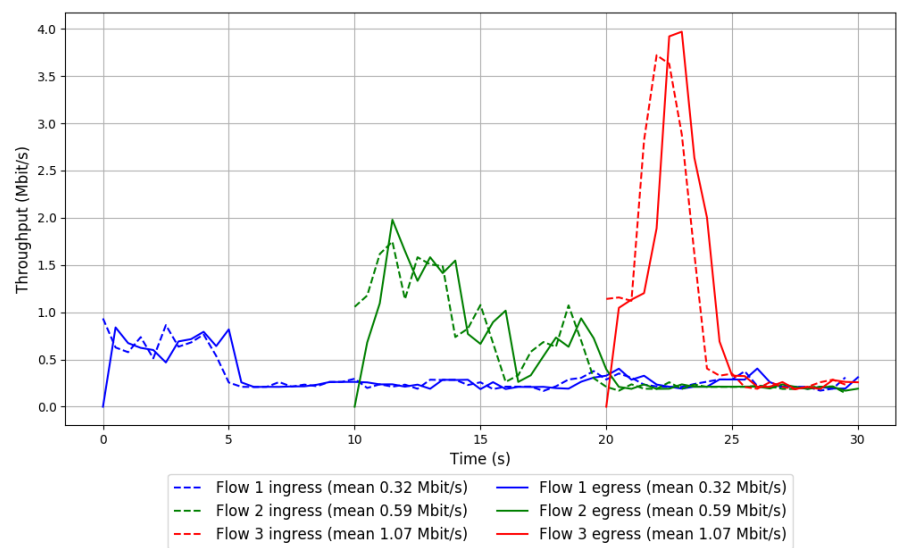


Run 5: Statistics of Sprout

Start at: 2018-07-11 03:40:54
End at: 2018-07-11 03:41:24
Local clock offset: -0.037 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-11 08:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 67.426 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 67.256 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 67.363 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: 67.554 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-11 04:05:02

End at: 2018-07-11 04:05:32

Local clock offset: 0.03 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-07-11 08:01:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 67.743 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 67.683 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 67.451 ms

Loss rate: 0.00%

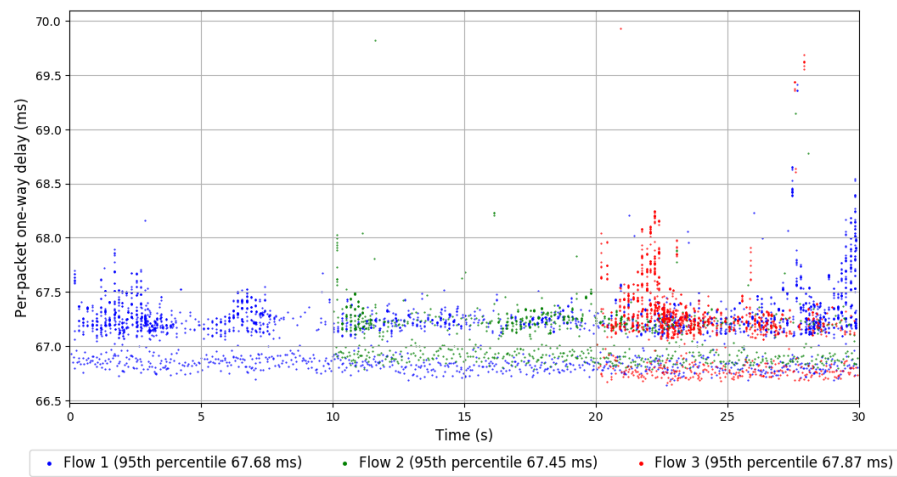
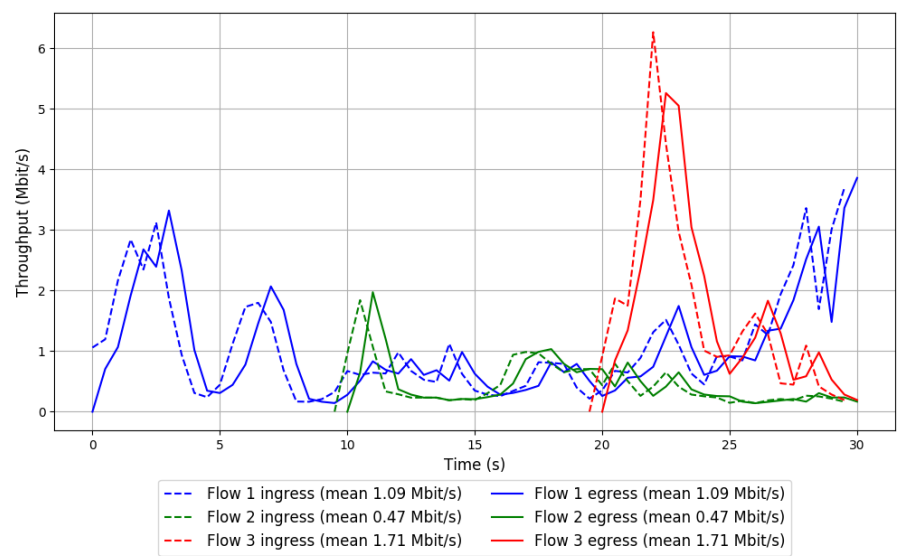
-- Flow 3:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 67.874 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

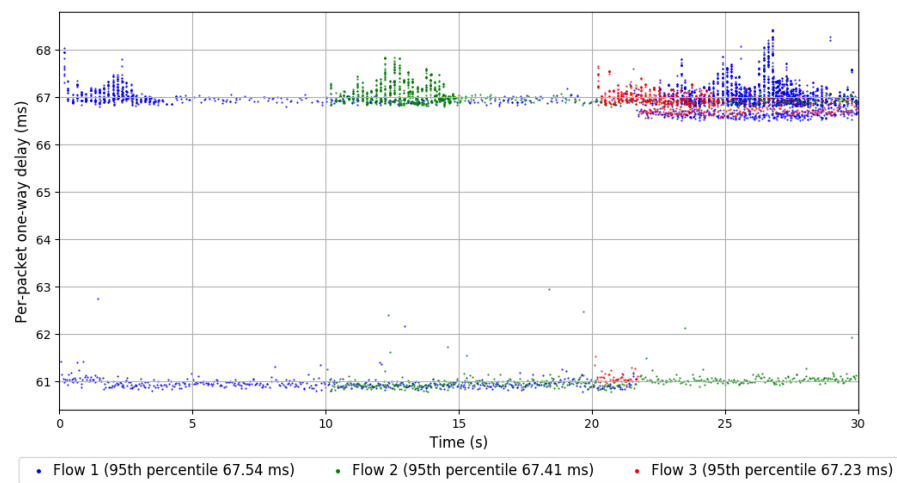
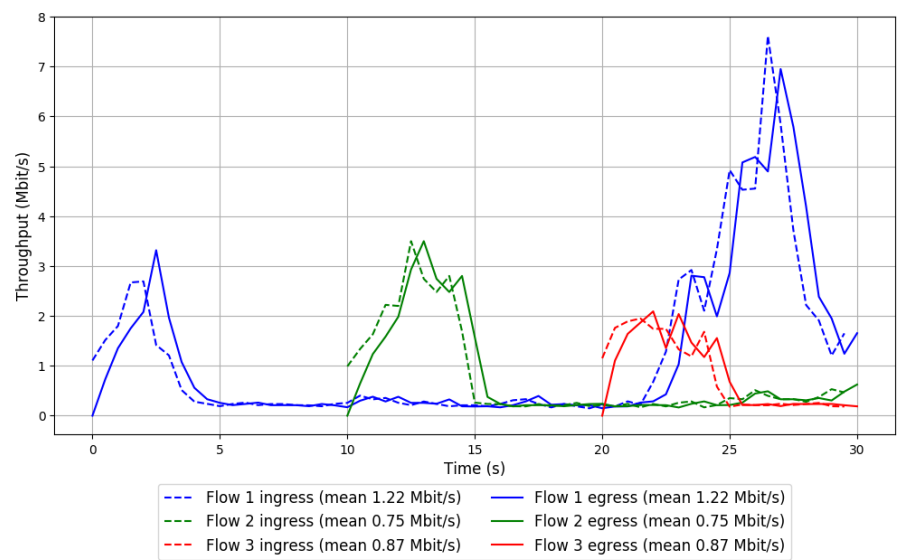


Run 7: Statistics of Sprout

Start at: 2018-07-11 04:29:26
End at: 2018-07-11 04:29:56
Local clock offset: -0.019 ms
Remote clock offset: -0.222 ms

Below is generated by plot.py at 2018-07-11 08:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 67.463 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 67.542 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 67.414 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 67.226 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

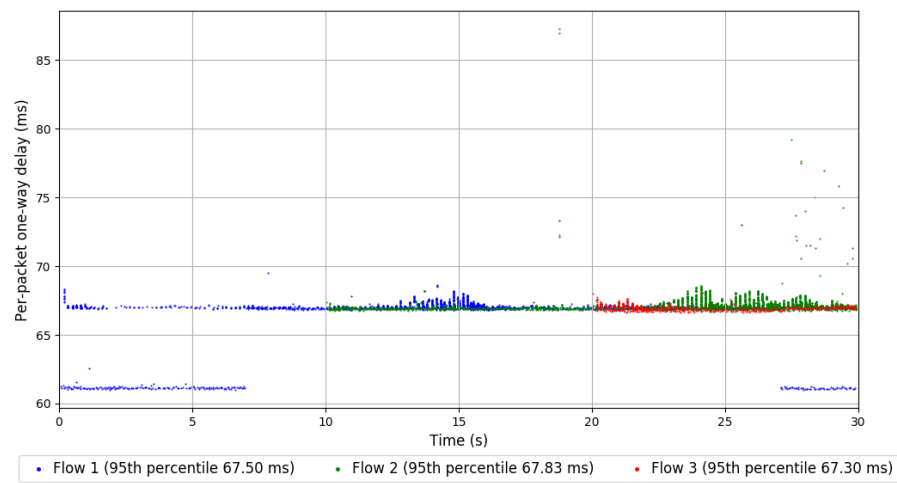
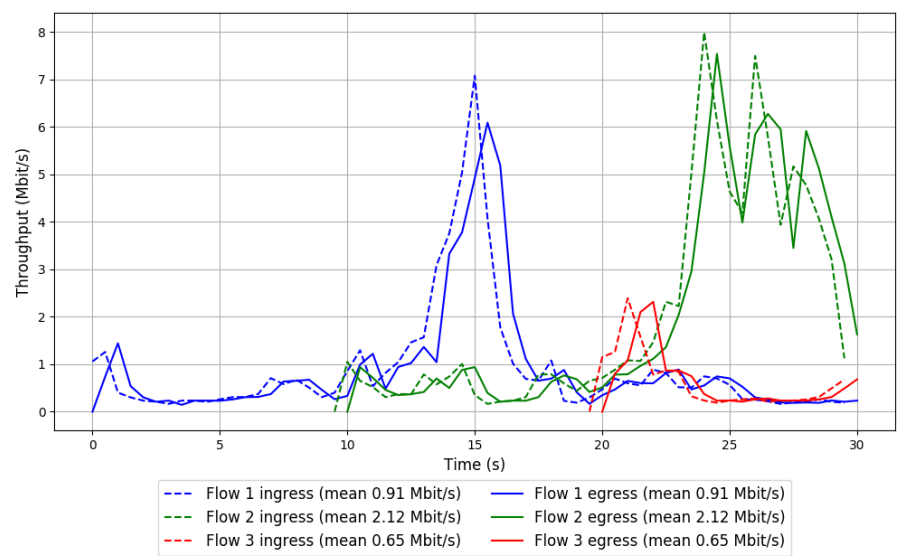


Run 8: Statistics of Sprout

Start at: 2018-07-11 04:53:41
End at: 2018-07-11 04:54:11
Local clock offset: -0.01 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-11 08:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 67.692 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 67.498 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 67.833 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 67.298 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

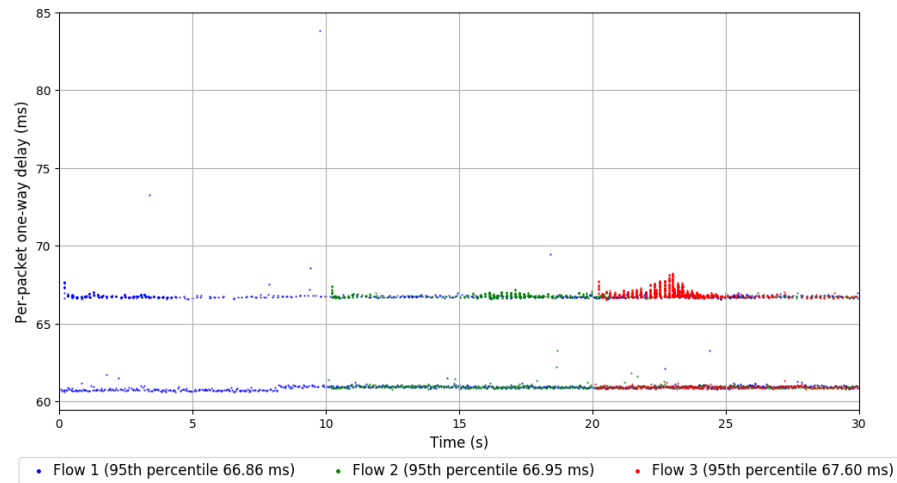
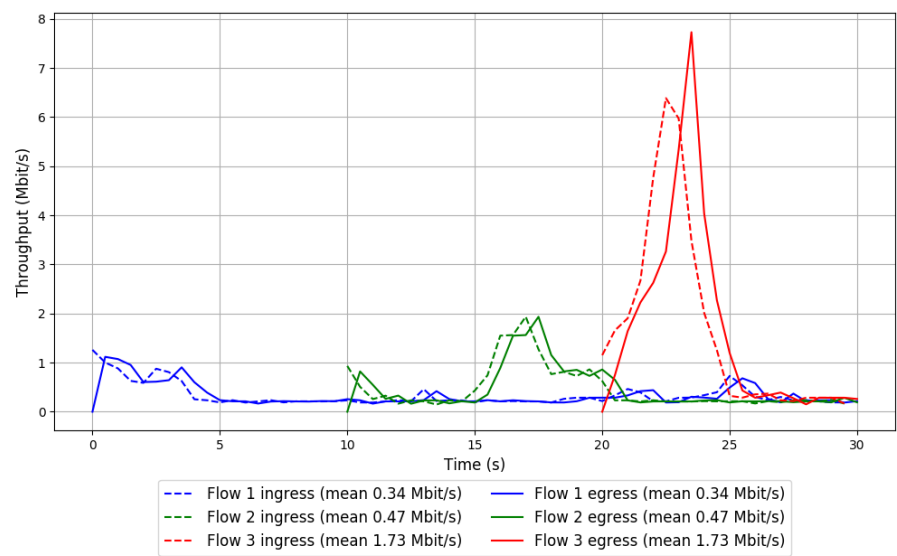


Run 9: Statistics of Sprout

Start at: 2018-07-11 05:17:50
End at: 2018-07-11 05:18:20
Local clock offset: 0.012 ms
Remote clock offset: -0.218 ms

Below is generated by plot.py at 2018-07-11 08:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 67.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 66.857 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 66.953 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 67.597 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-11 05:42:22

End at: 2018-07-11 05:42:52

Local clock offset: -0.003 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-11 08:01:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.68 Mbit/s

95th percentile per-packet one-way delay: 66.804 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 66.793 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 66.782 ms

Loss rate: 0.00%

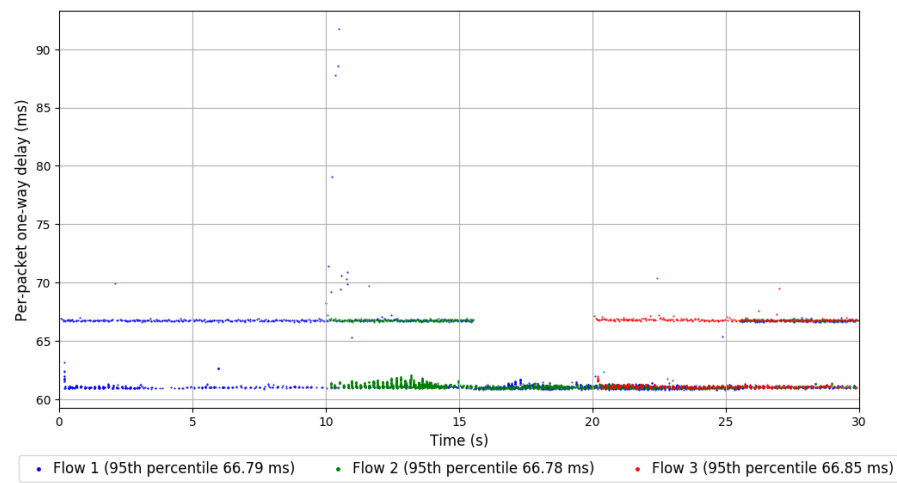
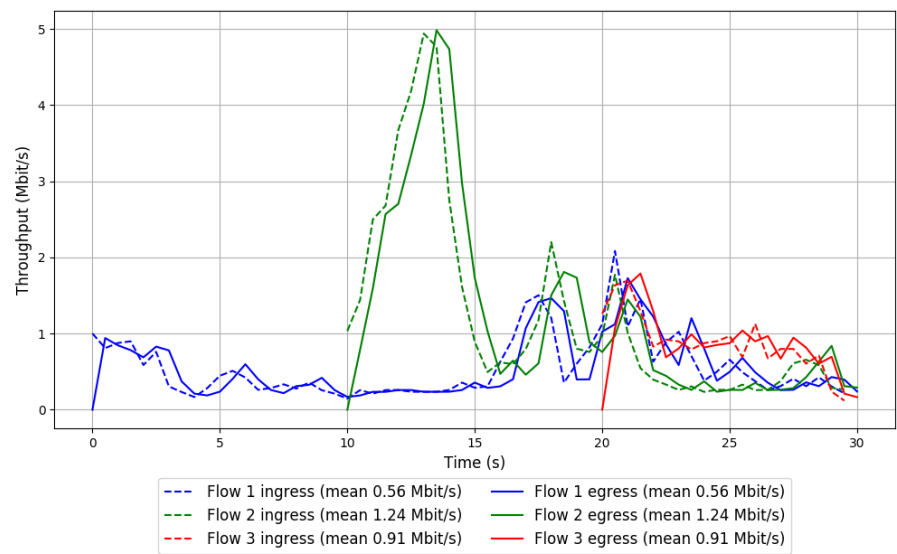
-- Flow 3:

Average throughput: 0.91 Mbit/s

95th percentile per-packet one-way delay: 66.852 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

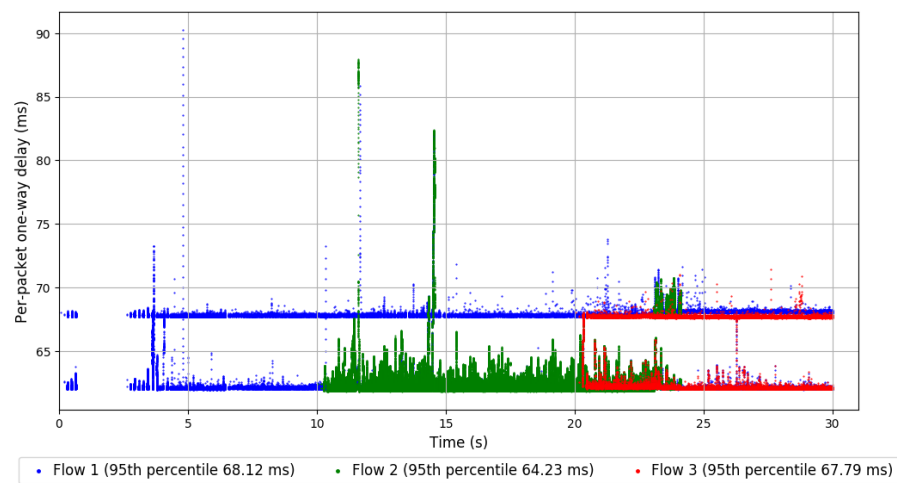
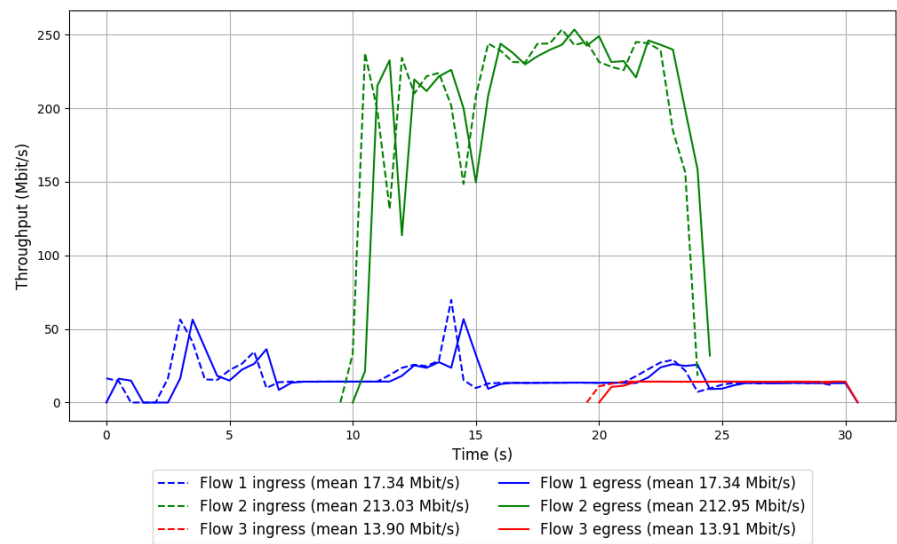


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-11 02:06:55
End at: 2018-07-11 02:07:25
Local clock offset: -0.023 ms
Remote clock offset: 1.008 ms

# Below is generated by plot.py at 2018-07-11 08:01:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 122.09 Mbit/s
95th percentile per-packet one-way delay: 67.849 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 17.34 Mbit/s
95th percentile per-packet one-way delay: 68.120 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 212.95 Mbit/s
95th percentile per-packet one-way delay: 64.230 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.91 Mbit/s
95th percentile per-packet one-way delay: 67.789 ms
Loss rate: 0.00%
```


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

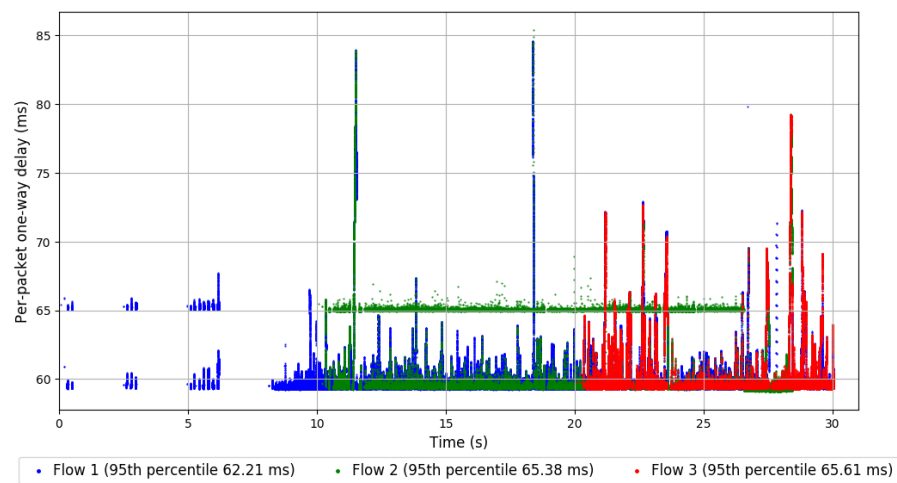
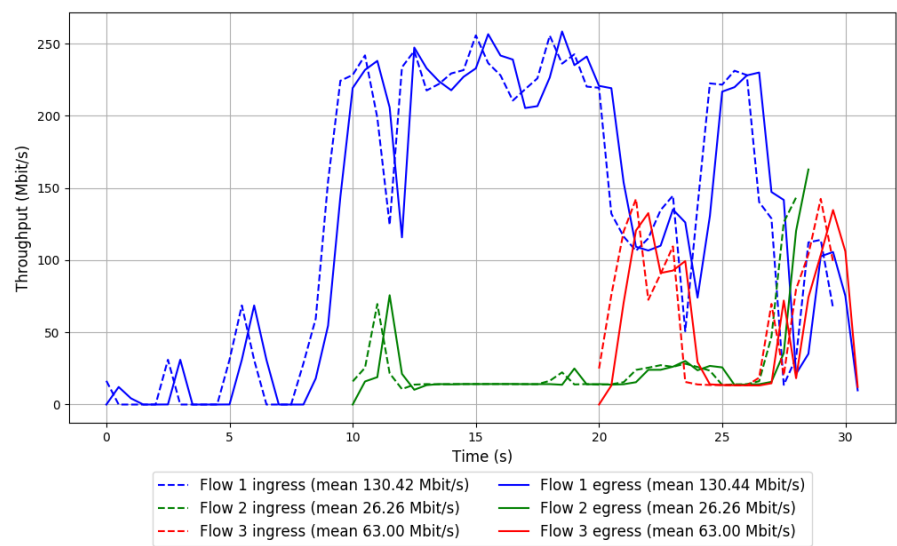


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-11 02:30:41
End at: 2018-07-11 02:31:11
Local clock offset: -0.0 ms
Remote clock offset: -1.723 ms

Below is generated by plot.py at 2018-07-11 08:03:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 167.44 Mbit/s
95th percentile per-packet one-way delay: 65.019 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 130.44 Mbit/s
95th percentile per-packet one-way delay: 62.208 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 26.26 Mbit/s
95th percentile per-packet one-way delay: 65.384 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.00 Mbit/s
95th percentile per-packet one-way delay: 65.612 ms
Loss rate: 0.00%

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

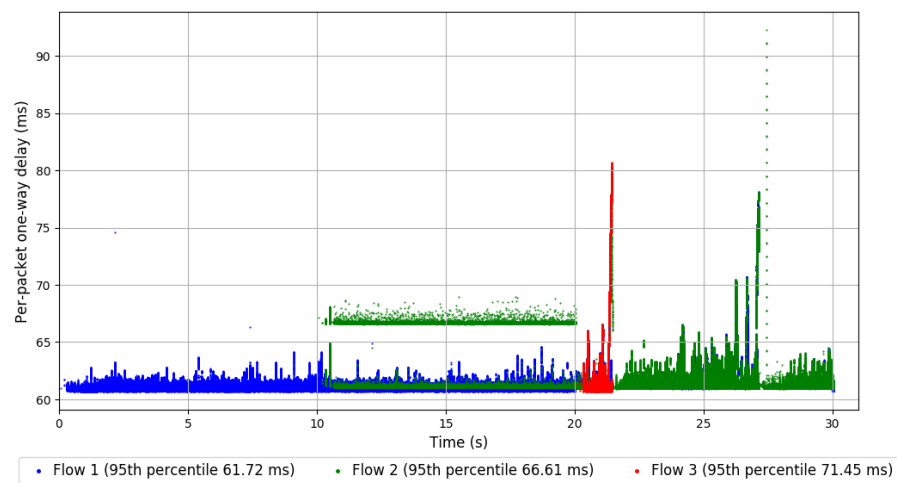
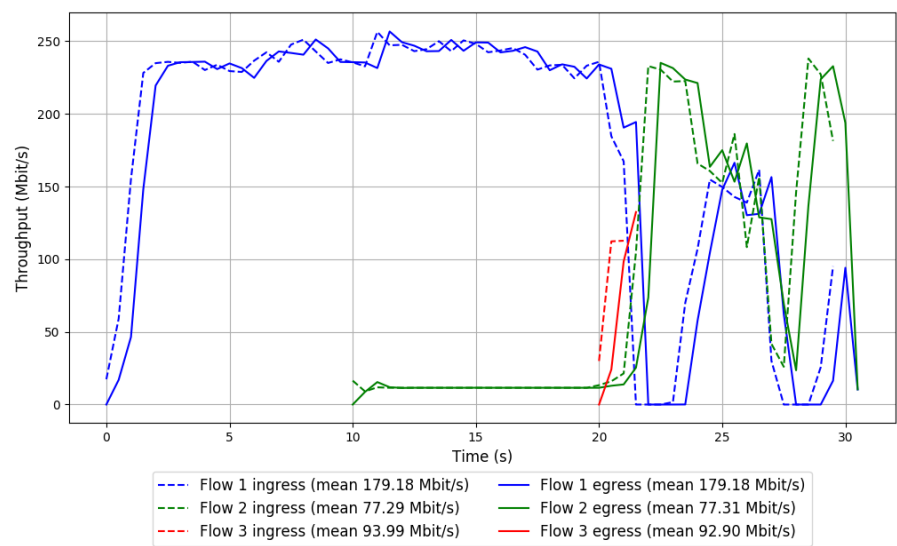


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-11 02:55:08
End at: 2018-07-11 02:55:38
Local clock offset: 0.005 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-07-11 08:05:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 234.91 Mbit/s
95th percentile per-packet one-way delay: 62.549 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.18 Mbit/s
95th percentile per-packet one-way delay: 61.719 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 77.31 Mbit/s
95th percentile per-packet one-way delay: 66.614 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 71.447 ms
Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-11 03:19:48

End at: 2018-07-11 03:20:18

Local clock offset: -0.018 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-07-11 08:05:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 240.94 Mbit/s

95th percentile per-packet one-way delay: 64.900 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 165.50 Mbit/s

95th percentile per-packet one-way delay: 63.100 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 99.95 Mbit/s

95th percentile per-packet one-way delay: 65.005 ms

Loss rate: 0.00%

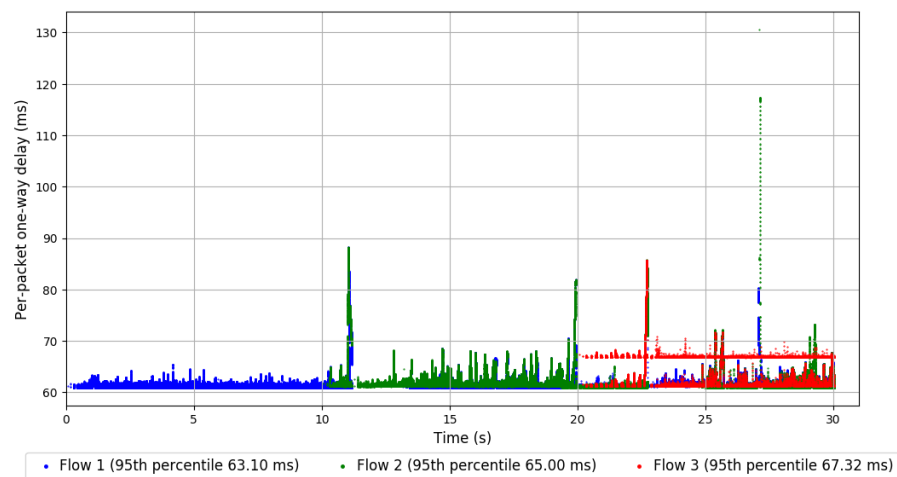
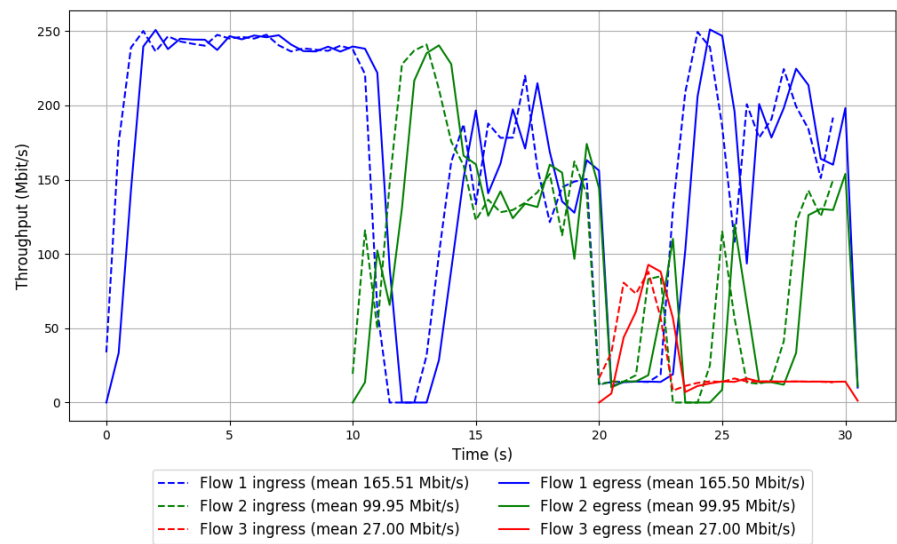
-- Flow 3:

Average throughput: 27.00 Mbit/s

95th percentile per-packet one-way delay: 67.316 ms

Loss rate: 0.00%

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

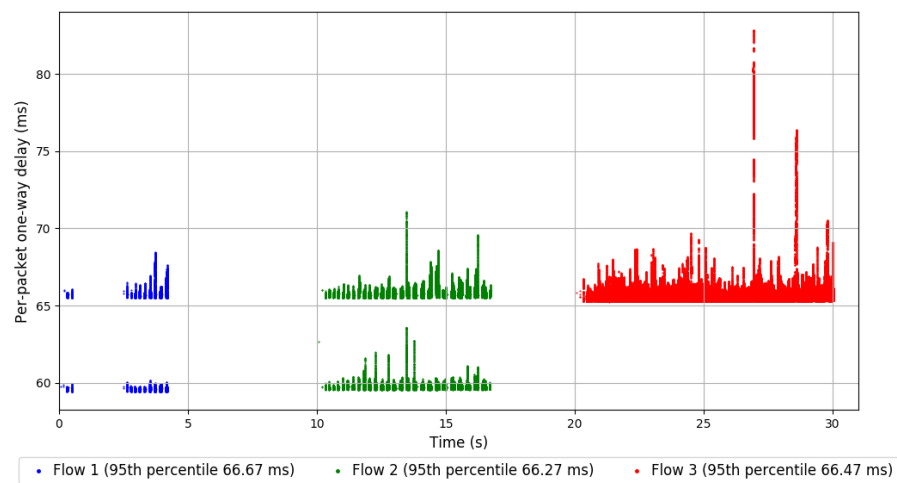
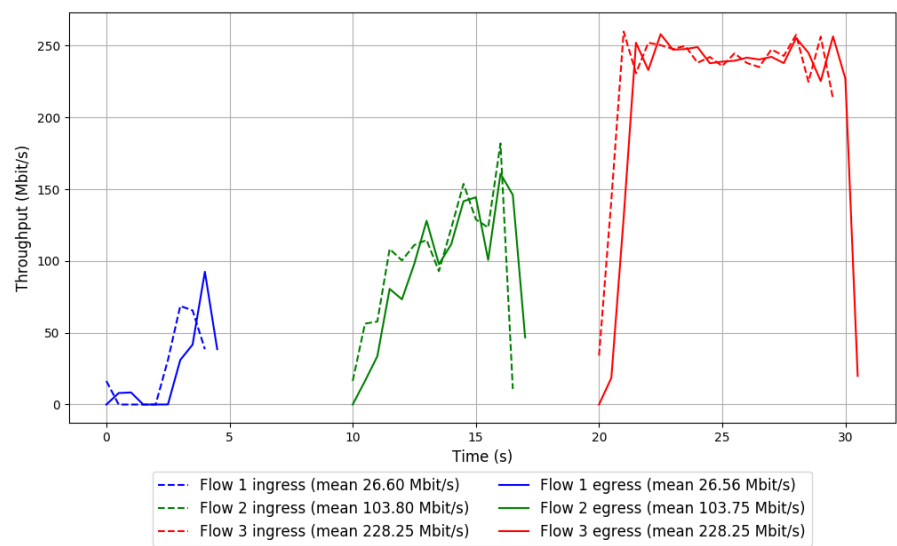


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-11 03:44:03
End at: 2018-07-11 03:44:33
Local clock offset: 0.02 ms
Remote clock offset: -1.498 ms

Below is generated by plot.py at 2018-07-11 08:05:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 102.47 Mbit/s
95th percentile per-packet one-way delay: 66.434 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 26.56 Mbit/s
95th percentile per-packet one-way delay: 66.668 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 103.75 Mbit/s
95th percentile per-packet one-way delay: 66.266 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 228.25 Mbit/s
95th percentile per-packet one-way delay: 66.475 ms
Loss rate: 0.00%

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

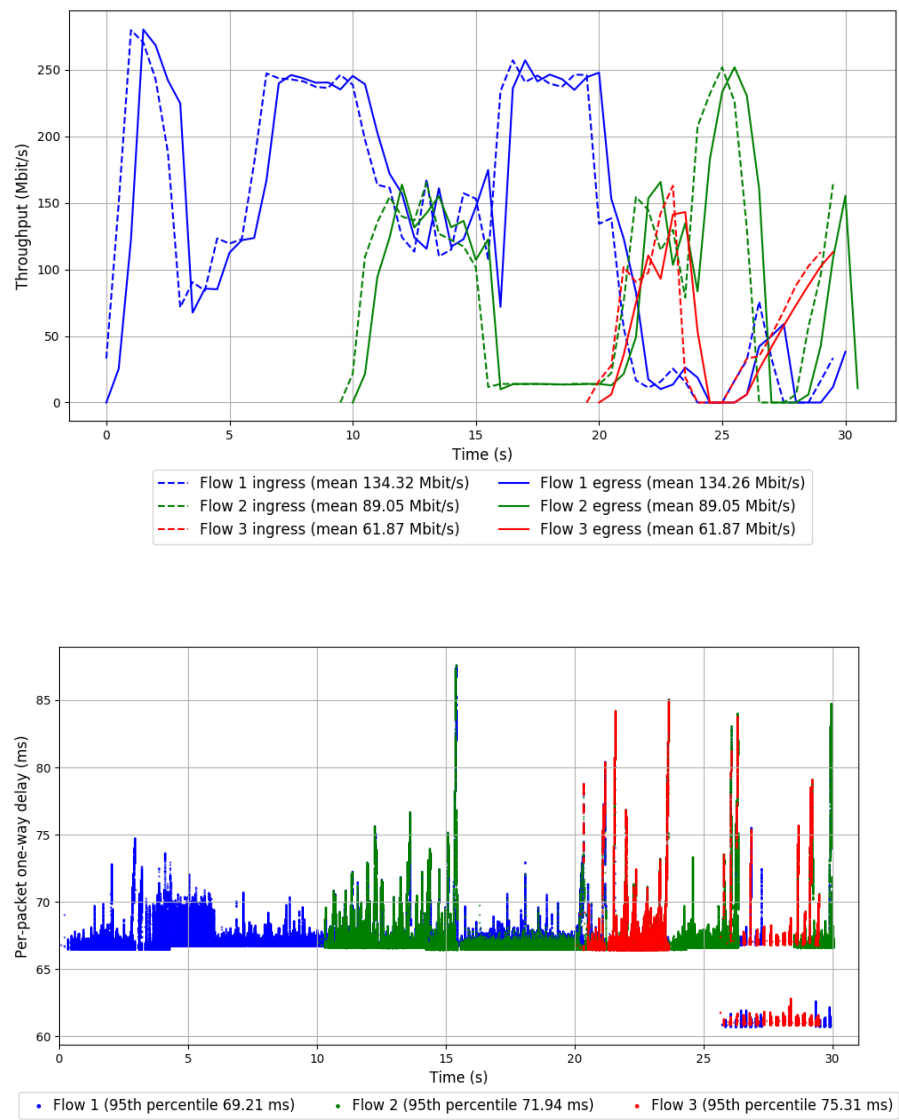


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-11 04:08:13
End at: 2018-07-11 04:08:43
Local clock offset: 0.009 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2018-07-11 08:05:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 212.72 Mbit/s
95th percentile per-packet one-way delay: 70.397 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 134.26 Mbit/s
95th percentile per-packet one-way delay: 69.206 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 89.05 Mbit/s
95th percentile per-packet one-way delay: 71.938 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 61.87 Mbit/s
95th percentile per-packet one-way delay: 75.305 ms
Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-11 04:32:38

End at: 2018-07-11 04:33:08

Local clock offset: -0.023 ms

Remote clock offset: 1.16 ms

Below is generated by plot.py at 2018-07-11 08:05:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 223.46 Mbit/s

95th percentile per-packet one-way delay: 70.897 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 201.45 Mbit/s

95th percentile per-packet one-way delay: 68.771 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 172.06 Mbit/s

95th percentile per-packet one-way delay: 71.146 ms

Loss rate: 0.00%

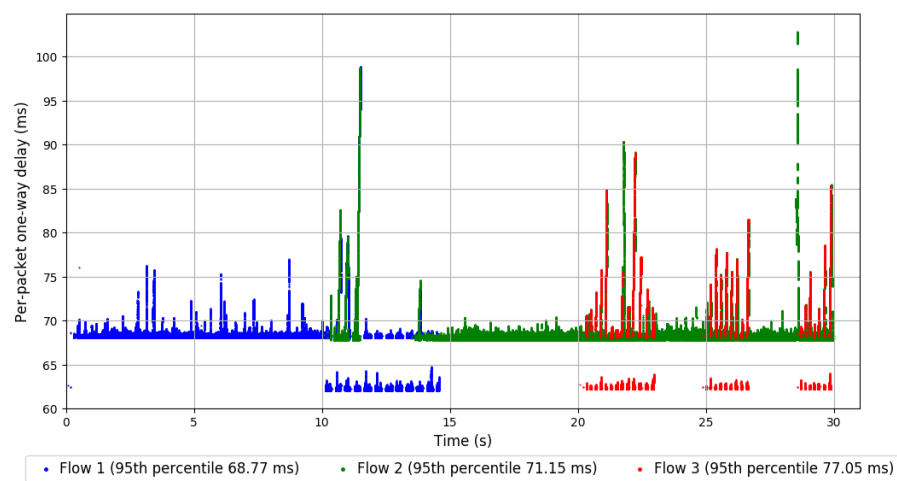
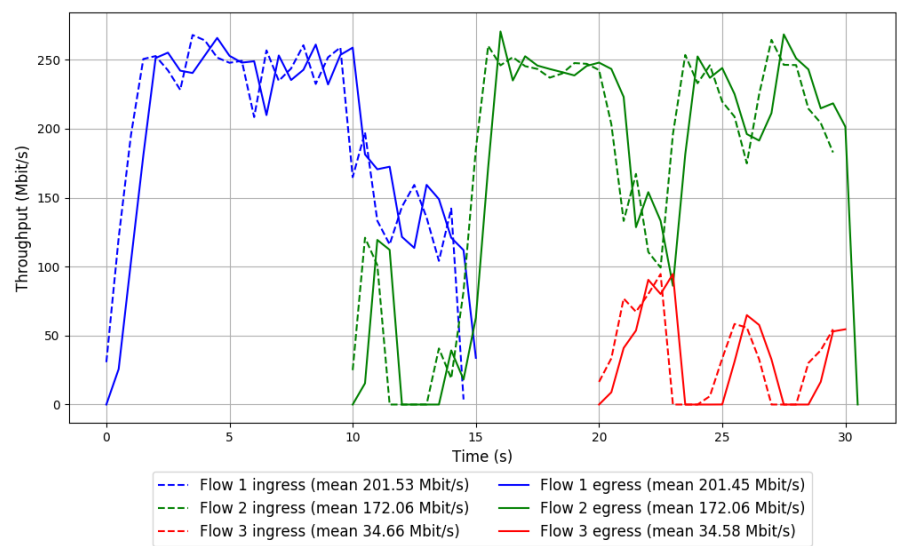
-- Flow 3:

Average throughput: 34.58 Mbit/s

95th percentile per-packet one-way delay: 77.047 ms

Loss rate: 0.00%

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

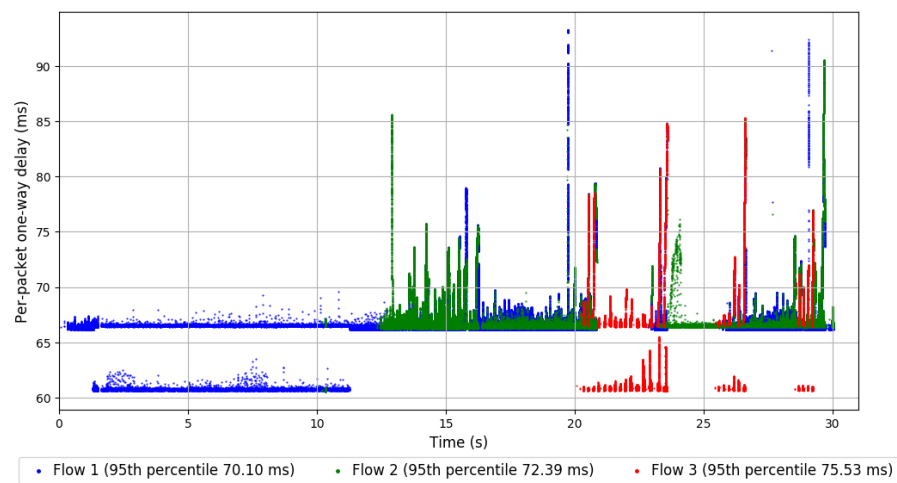
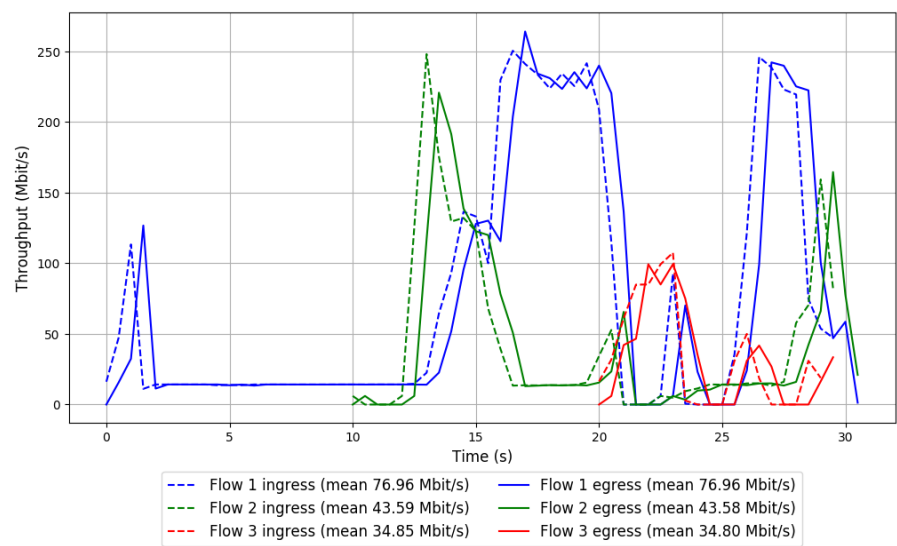


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-11 04:56:47
End at: 2018-07-11 04:57:17
Local clock offset: 0.018 ms
Remote clock offset: -0.346 ms

Below is generated by plot.py at 2018-07-11 08:05:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 116.64 Mbit/s
95th percentile per-packet one-way delay: 71.381 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.96 Mbit/s
95th percentile per-packet one-way delay: 70.101 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.58 Mbit/s
95th percentile per-packet one-way delay: 72.391 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.80 Mbit/s
95th percentile per-packet one-way delay: 75.532 ms
Loss rate: 0.00%

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

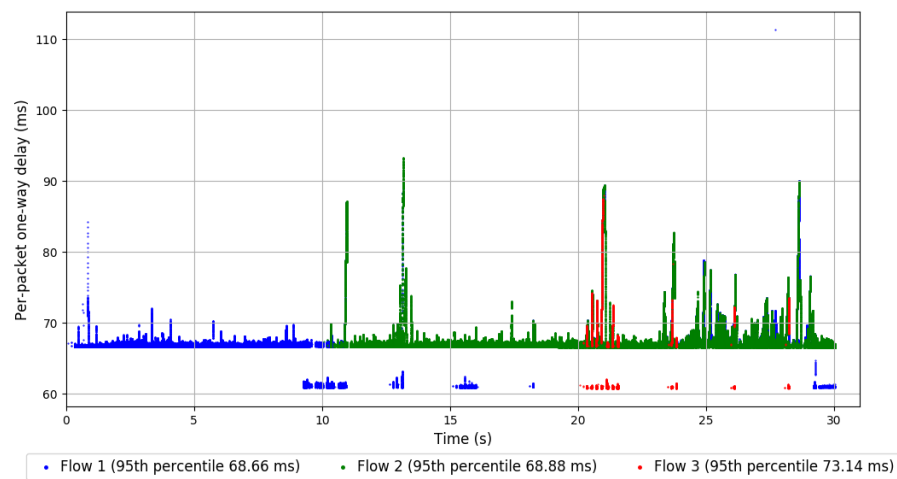
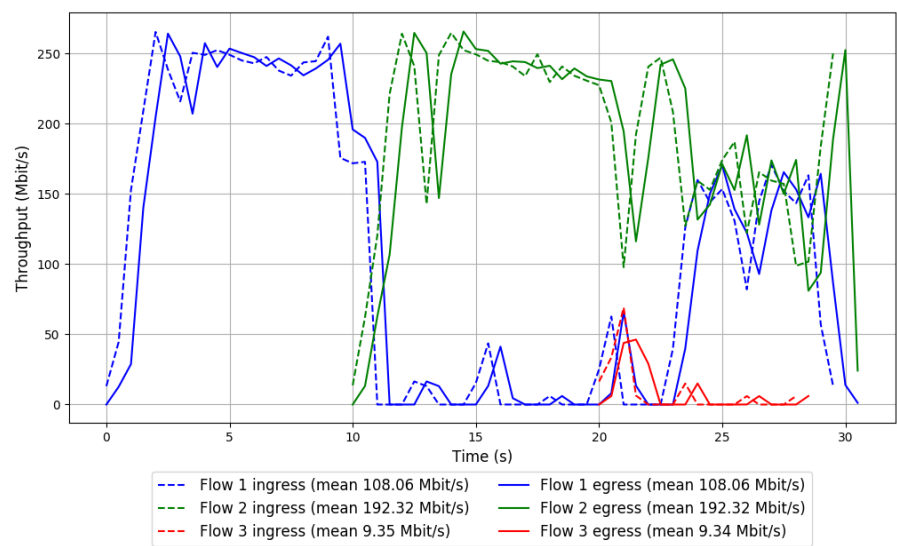


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-11 05:20:59
End at: 2018-07-11 05:21:29
Local clock offset: -0.0 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-11 08:09:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 238.68 Mbit/s
95th percentile per-packet one-way delay: 68.918 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 108.06 Mbit/s
95th percentile per-packet one-way delay: 68.663 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 192.32 Mbit/s
95th percentile per-packet one-way delay: 68.881 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.34 Mbit/s
95th percentile per-packet one-way delay: 73.135 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-11 05:45:14

End at: 2018-07-11 05:45:44

Local clock offset: 0.065 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-11 08:09:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 215.86 Mbit/s

95th percentile per-packet one-way delay: 62.368 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 114.76 Mbit/s

95th percentile per-packet one-way delay: 61.822 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 142.47 Mbit/s

95th percentile per-packet one-way delay: 61.875 ms

Loss rate: 0.00%

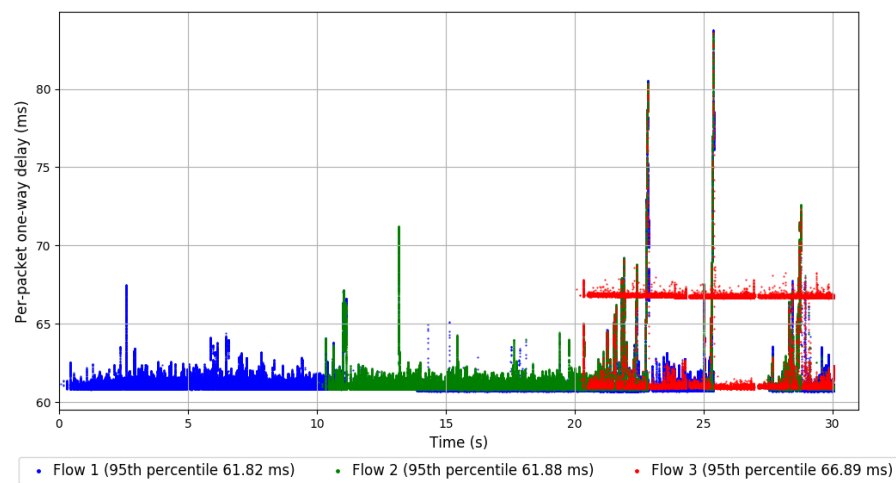
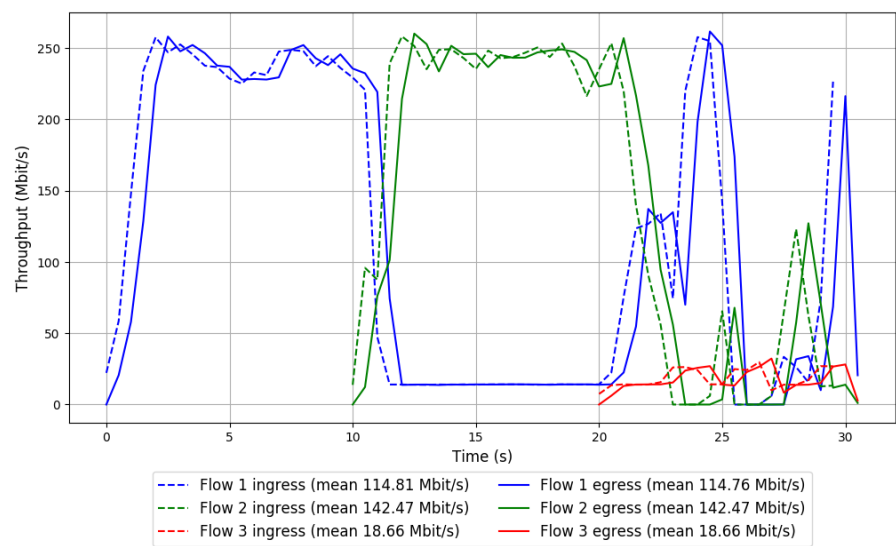
-- Flow 3:

Average throughput: 18.66 Mbit/s

95th percentile per-packet one-way delay: 66.895 ms

Loss rate: 0.00%

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

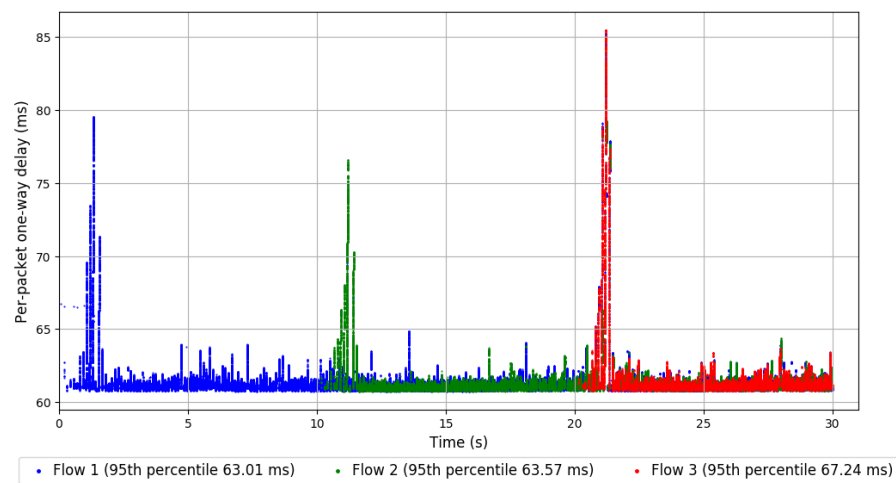
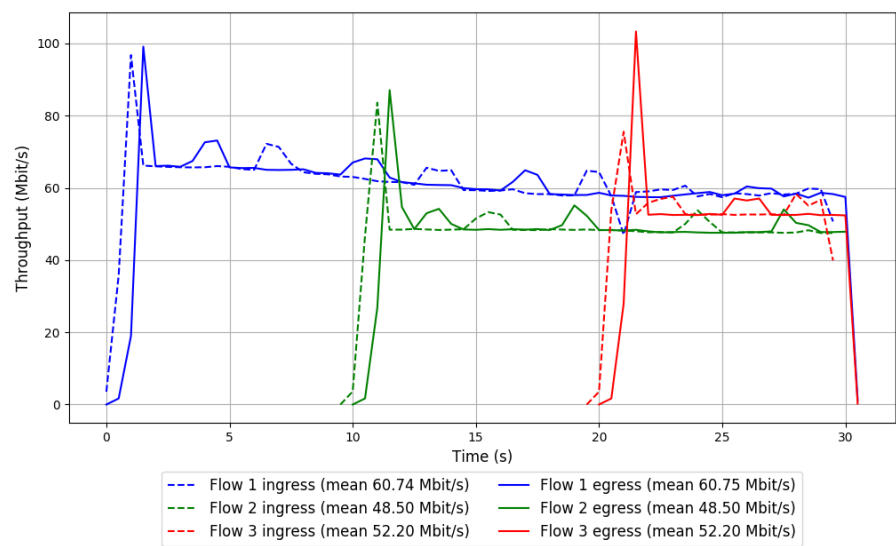


Run 1: Statistics of TCP Vegas

Start at: 2018-07-11 01:58:11
End at: 2018-07-11 01:58:41
Local clock offset: -0.034 ms
Remote clock offset: -0.219 ms

Below is generated by plot.py at 2018-07-11 08:09:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 110.45 Mbit/s
95th percentile per-packet one-way delay: 63.365 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.75 Mbit/s
95th percentile per-packet one-way delay: 63.012 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 48.50 Mbit/s
95th percentile per-packet one-way delay: 63.571 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.20 Mbit/s
95th percentile per-packet one-way delay: 67.242 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

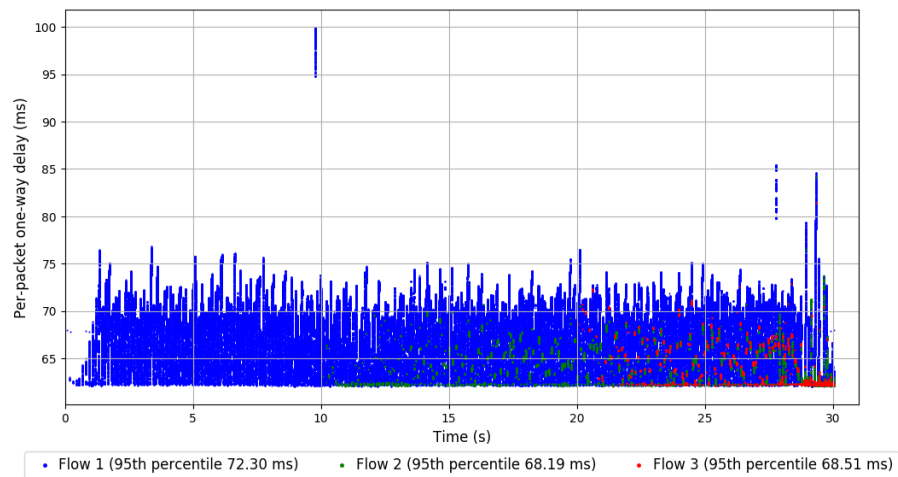
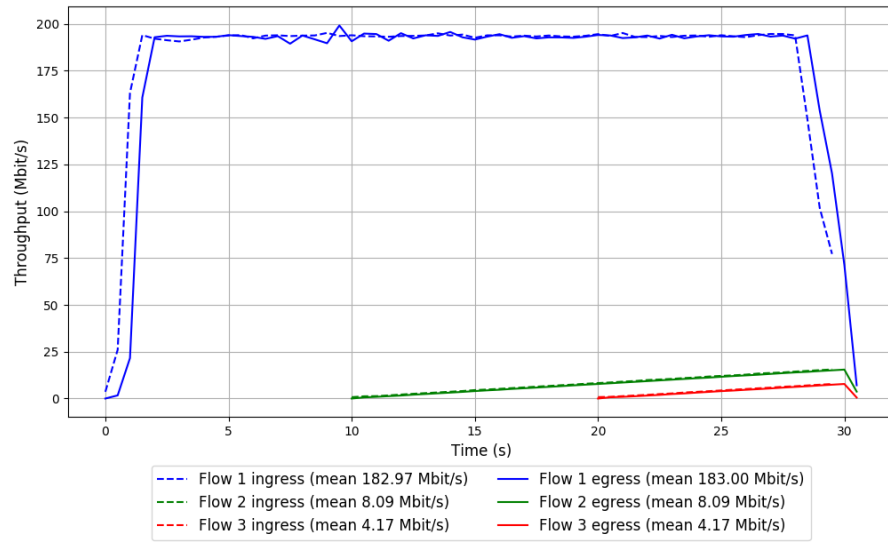


Run 2: Statistics of TCP Vegas

Start at: 2018-07-11 02:21:50
End at: 2018-07-11 02:22:20
Local clock offset: -0.027 ms
Remote clock offset: 1.039 ms

Below is generated by plot.py at 2018-07-11 08:09:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 189.77 Mbit/s
95th percentile per-packet one-way delay: 72.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 183.00 Mbit/s
95th percentile per-packet one-way delay: 72.298 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.09 Mbit/s
95th percentile per-packet one-way delay: 68.186 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 68.508 ms
Loss rate: 0.09%

Run 2: Report of TCP Vegas — Data Link

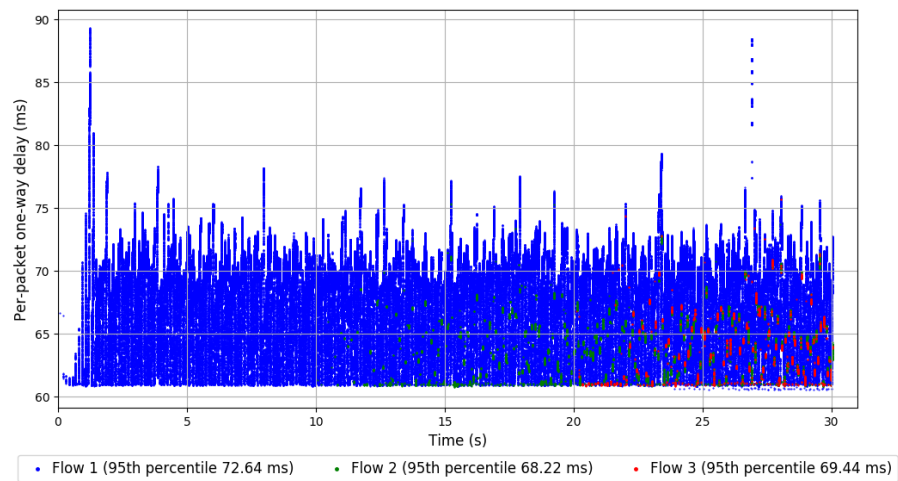
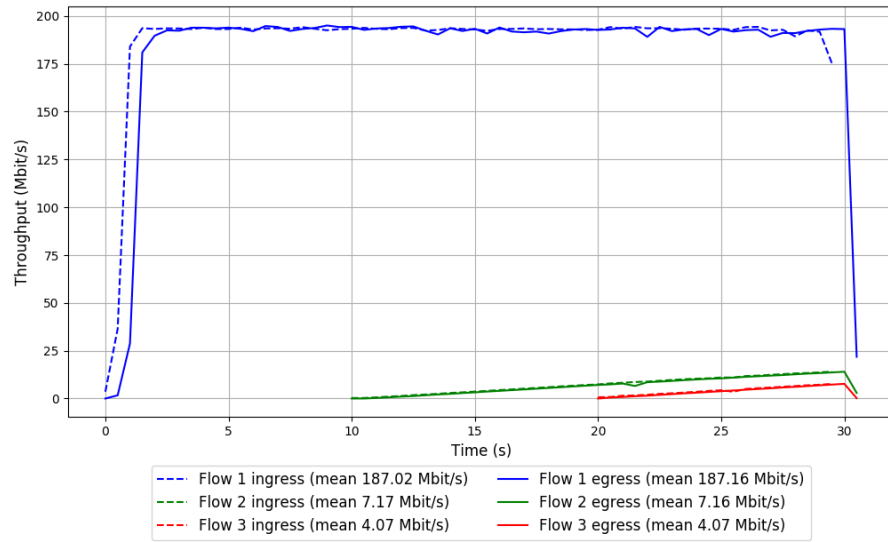


Run 3: Statistics of TCP Vegas

Start at: 2018-07-11 02:46:14
End at: 2018-07-11 02:46:44
Local clock offset: -0.038 ms
Remote clock offset: -0.397 ms

Below is generated by plot.py at 2018-07-11 08:09:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 193.24 Mbit/s
95th percentile per-packet one-way delay: 72.592 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.16 Mbit/s
95th percentile per-packet one-way delay: 72.641 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.16 Mbit/s
95th percentile per-packet one-way delay: 68.216 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 4.07 Mbit/s
95th percentile per-packet one-way delay: 69.444 ms
Loss rate: 0.15%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-11 03:10:56

End at: 2018-07-11 03:11:26

Local clock offset: 0.012 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-11 08:09:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 168.02 Mbit/s

95th percentile per-packet one-way delay: 71.863 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 52.44 Mbit/s

95th percentile per-packet one-way delay: 70.066 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 171.86 Mbit/s

95th percentile per-packet one-way delay: 72.241 ms

Loss rate: 0.00%

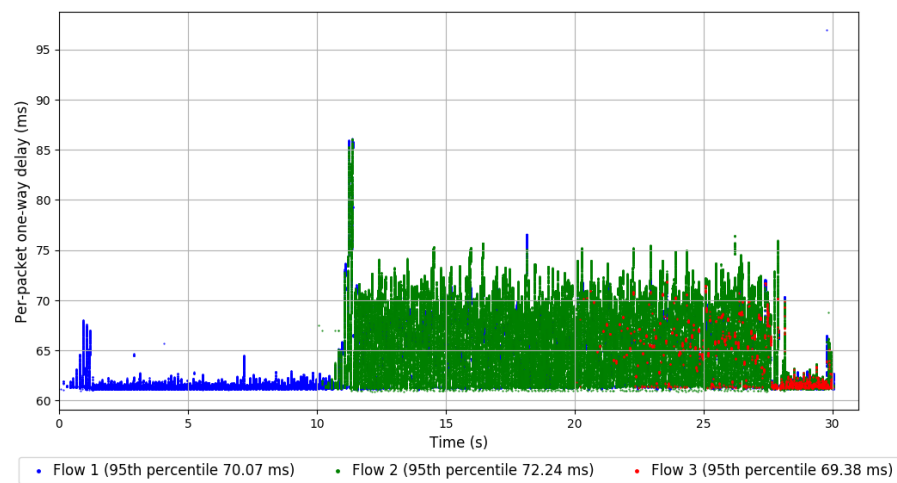
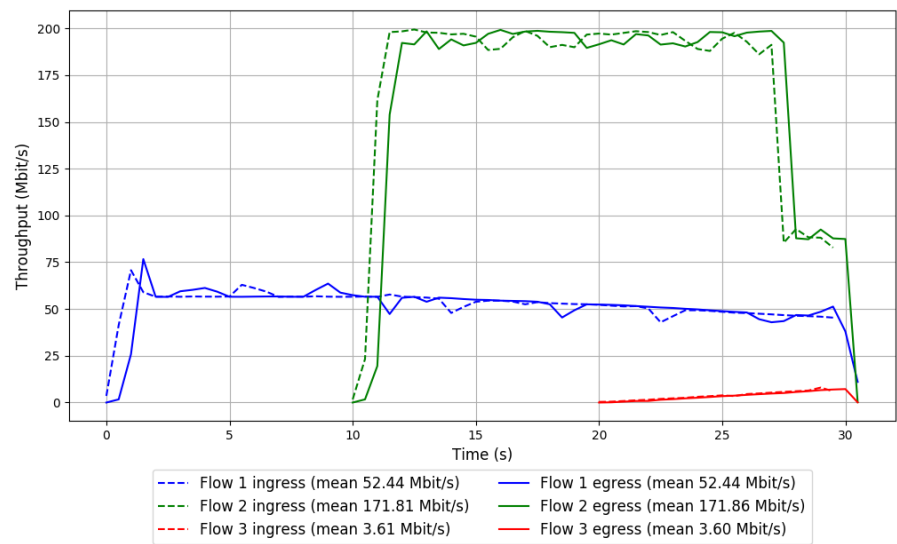
-- Flow 3:

Average throughput: 3.60 Mbit/s

95th percentile per-packet one-way delay: 69.377 ms

Loss rate: 0.30%

Run 4: Report of TCP Vegas — Data Link

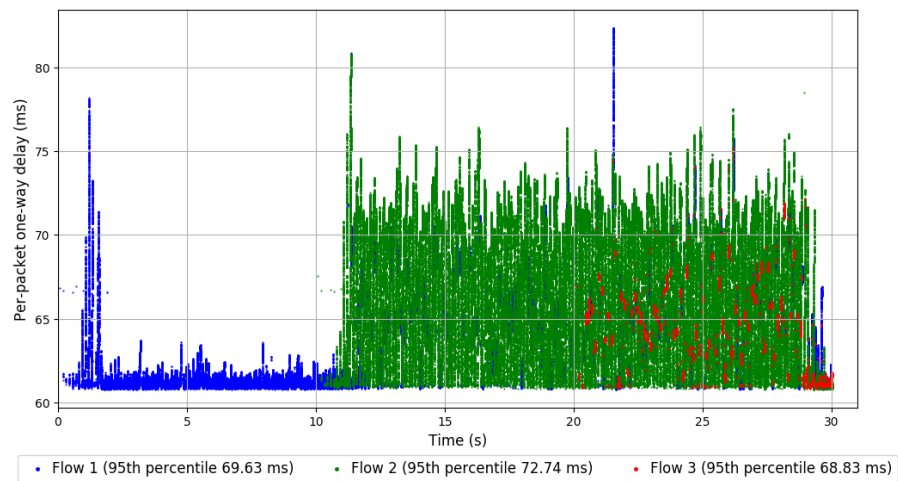
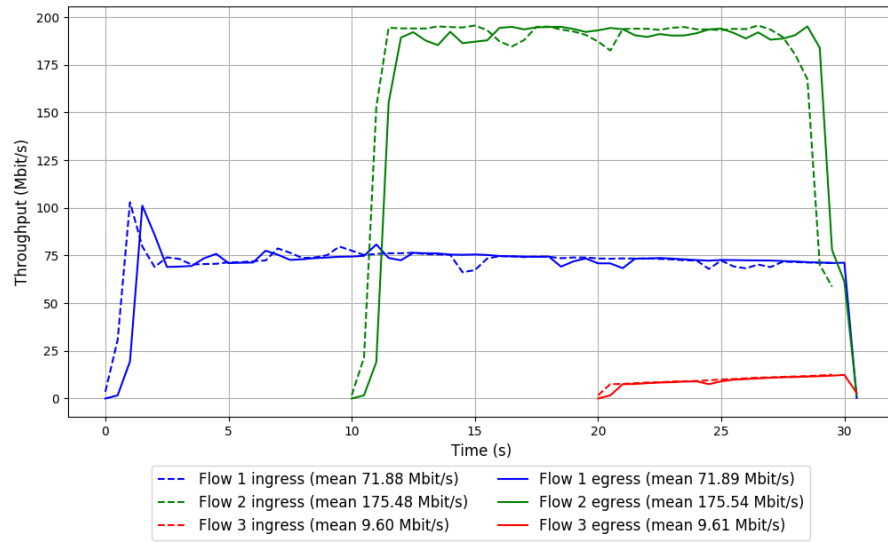


Run 5: Statistics of TCP Vegas

Start at: 2018-07-11 03:35:12
End at: 2018-07-11 03:35:42
Local clock offset: 0.006 ms
Remote clock offset: -0.299 ms

Below is generated by plot.py at 2018-07-11 08:09:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 191.94 Mbit/s
95th percentile per-packet one-way delay: 72.235 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.89 Mbit/s
95th percentile per-packet one-way delay: 69.634 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 175.54 Mbit/s
95th percentile per-packet one-way delay: 72.737 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.61 Mbit/s
95th percentile per-packet one-way delay: 68.835 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

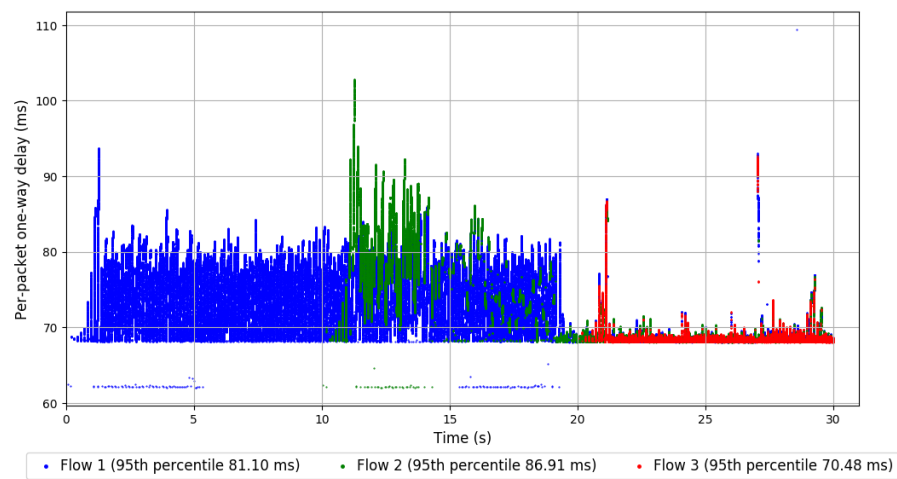
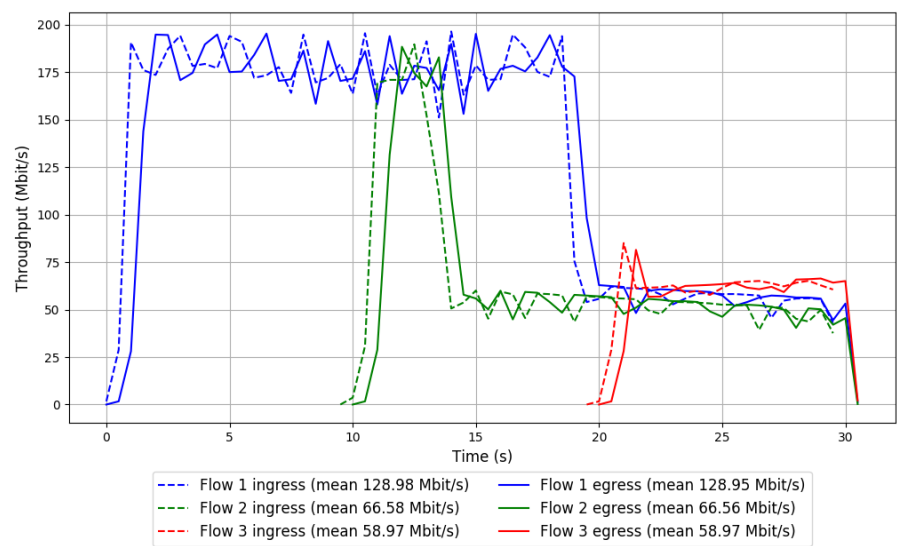


Run 6: Statistics of TCP Vegas

Start at: 2018-07-11 03:59:32
End at: 2018-07-11 04:00:02
Local clock offset: -0.002 ms
Remote clock offset: 1.052 ms

Below is generated by plot.py at 2018-07-11 08:09:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 192.93 Mbit/s
95th percentile per-packet one-way delay: 82.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 128.95 Mbit/s
95th percentile per-packet one-way delay: 81.101 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.56 Mbit/s
95th percentile per-packet one-way delay: 86.909 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 58.97 Mbit/s
95th percentile per-packet one-way delay: 70.481 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-11 04:23:55

End at: 2018-07-11 04:24:25

Local clock offset: 0.032 ms

Remote clock offset: 1.235 ms

Below is generated by plot.py at 2018-07-11 08:09:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.46 Mbit/s

95th percentile per-packet one-way delay: 69.605 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.70 Mbit/s

95th percentile per-packet one-way delay: 69.620 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 58.65 Mbit/s

95th percentile per-packet one-way delay: 69.653 ms

Loss rate: 0.00%

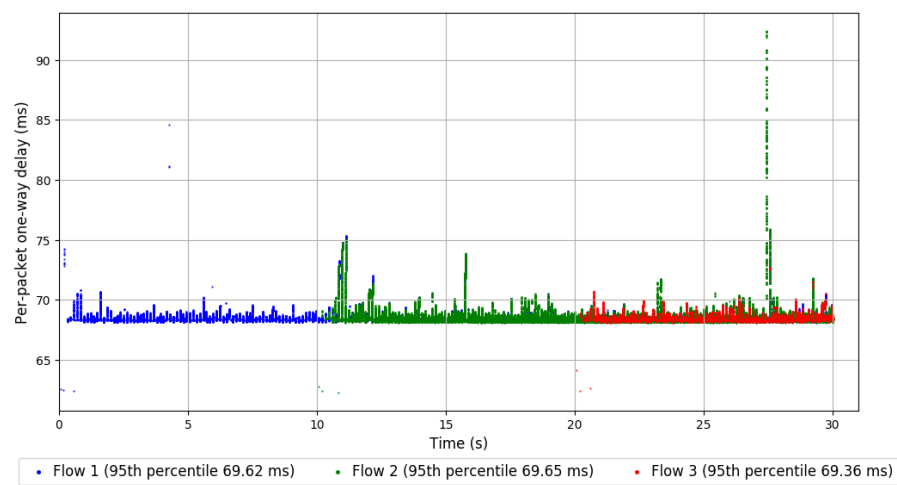
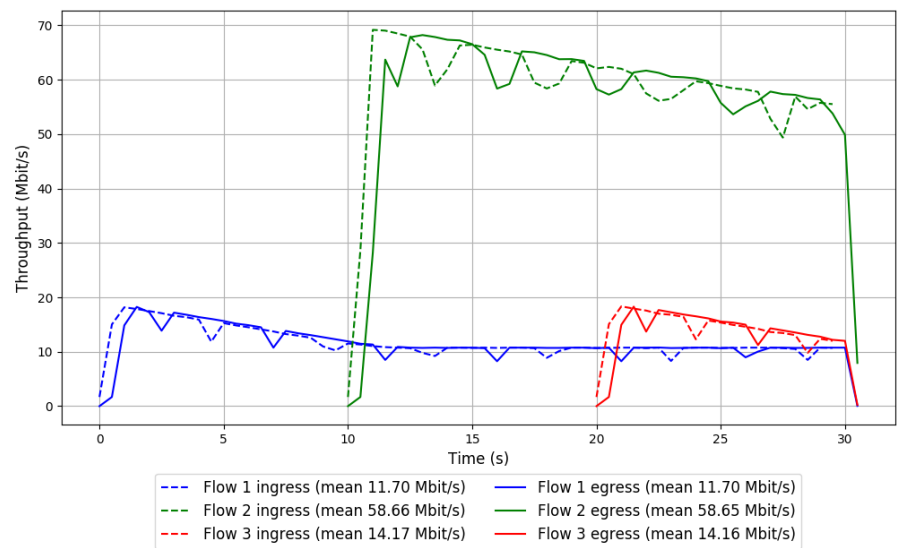
-- Flow 3:

Average throughput: 14.16 Mbit/s

95th percentile per-packet one-way delay: 69.364 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-11 04:47:59

End at: 2018-07-11 04:48:29

Local clock offset: 0.015 ms

Remote clock offset: 1.344 ms

Below is generated by plot.py at 2018-07-11 08:10:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 171.13 Mbit/s

95th percentile per-packet one-way delay: 79.847 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 23.60 Mbit/s

95th percentile per-packet one-way delay: 75.158 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 138.65 Mbit/s

95th percentile per-packet one-way delay: 77.788 ms

Loss rate: 0.00%

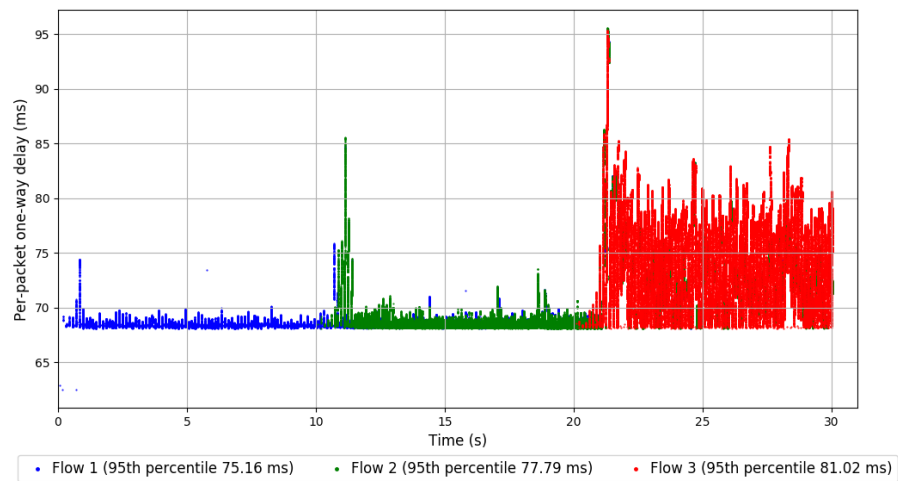
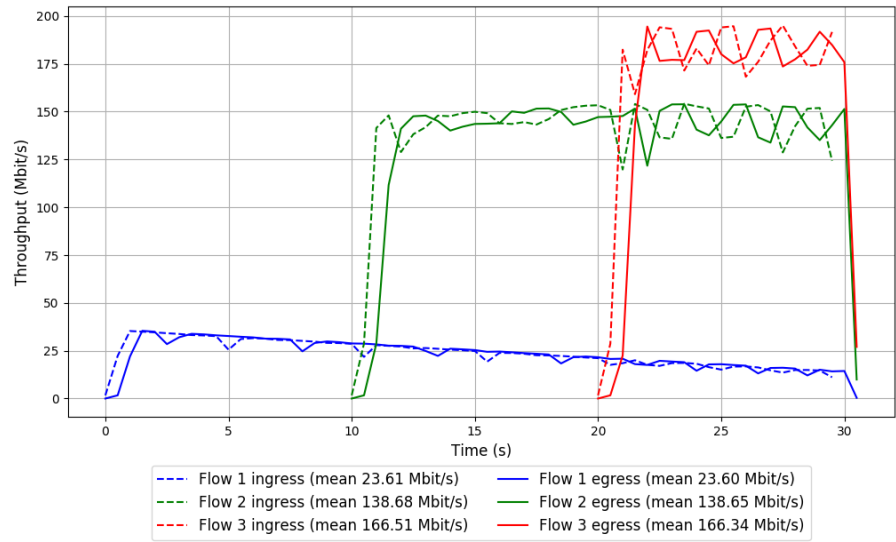
-- Flow 3:

Average throughput: 166.34 Mbit/s

95th percentile per-packet one-way delay: 81.020 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-11 05:12:18

End at: 2018-07-11 05:12:48

Local clock offset: 0.032 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-11 08:10:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 143.58 Mbit/s

95th percentile per-packet one-way delay: 77.412 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 57.62 Mbit/s

95th percentile per-packet one-way delay: 74.104 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 52.26 Mbit/s

95th percentile per-packet one-way delay: 77.437 ms

Loss rate: 0.00%

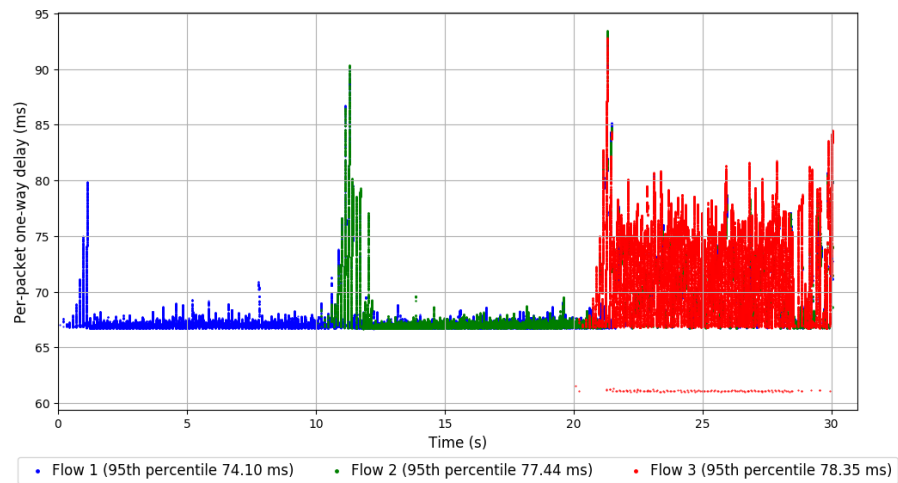
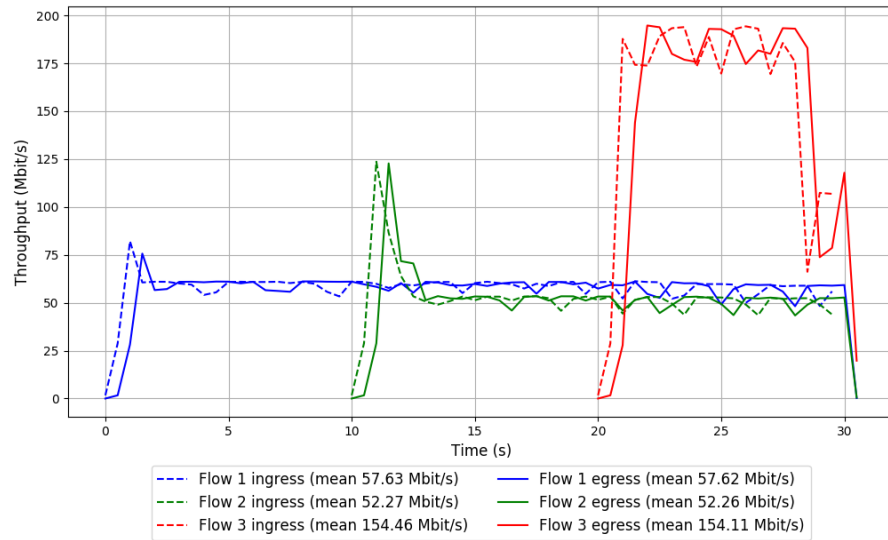
-- Flow 3:

Average throughput: 154.11 Mbit/s

95th percentile per-packet one-way delay: 78.352 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

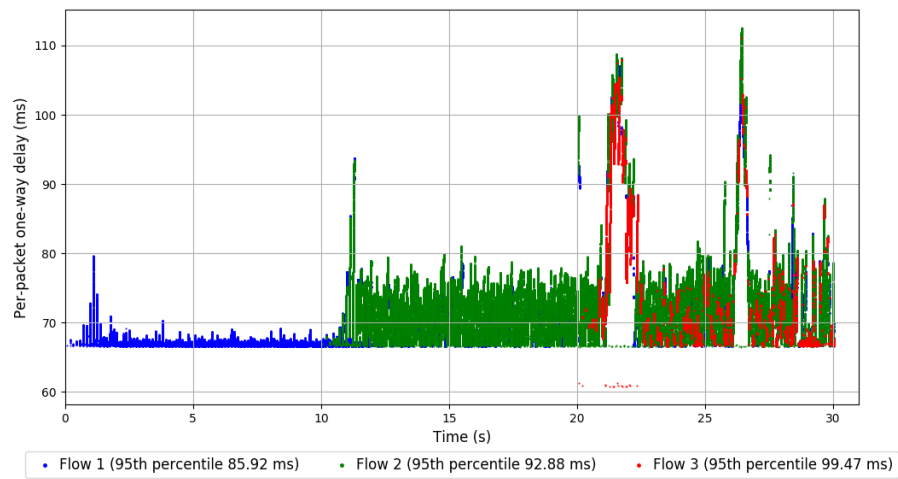
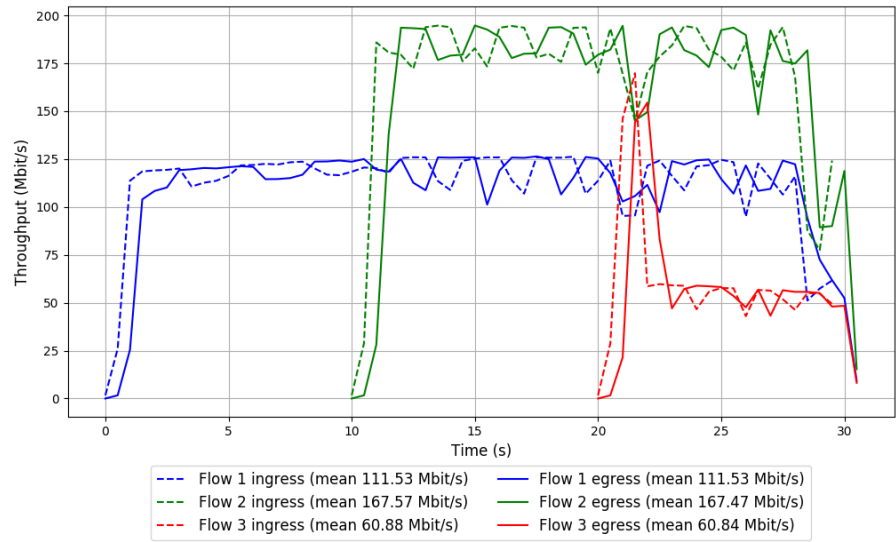


Run 10: Statistics of TCP Vegas

Start at: 2018-07-11 05:36:39
End at: 2018-07-11 05:37:09
Local clock offset: 0.021 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-11 08:12:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 243.12 Mbit/s
95th percentile per-packet one-way delay: 92.526 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 111.53 Mbit/s
95th percentile per-packet one-way delay: 85.916 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 167.47 Mbit/s
95th percentile per-packet one-way delay: 92.880 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 60.84 Mbit/s
95th percentile per-packet one-way delay: 99.473 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

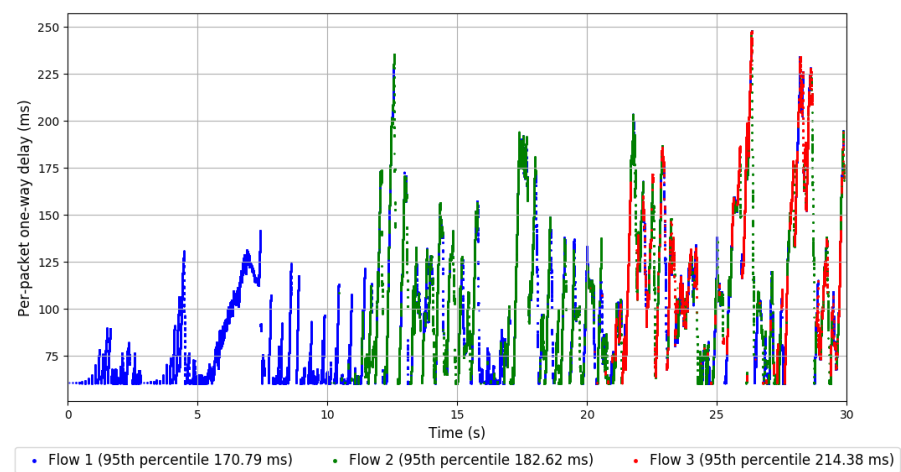
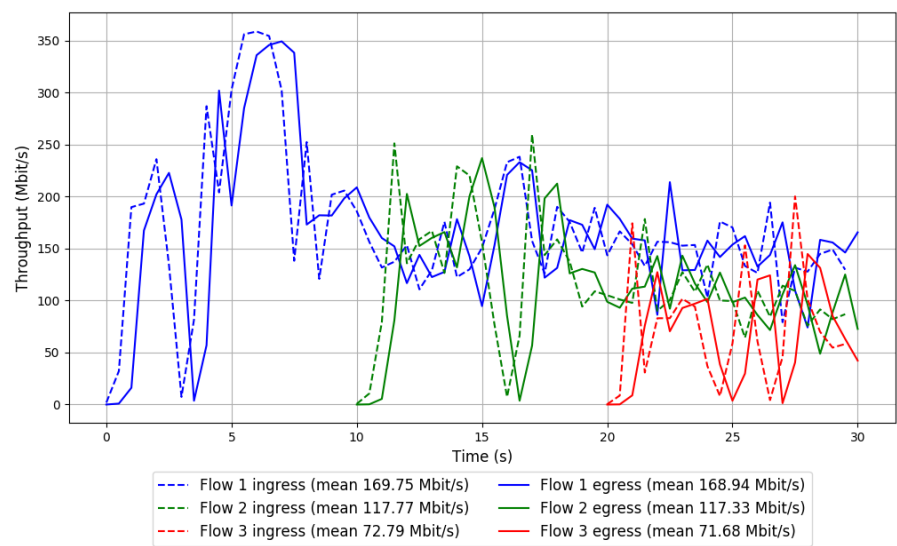


Run 1: Statistics of Verus

Start at: 2018-07-11 02:16:19
End at: 2018-07-11 02:16:49
Local clock offset: -0.021 ms
Remote clock offset: -0.468 ms

Below is generated by plot.py at 2018-07-11 08:13:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 269.97 Mbit/s
95th percentile per-packet one-way delay: 180.290 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 168.94 Mbit/s
95th percentile per-packet one-way delay: 170.792 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 117.33 Mbit/s
95th percentile per-packet one-way delay: 182.615 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 71.68 Mbit/s
95th percentile per-packet one-way delay: 214.375 ms
Loss rate: 1.99%

Run 1: Report of Verus — Data Link

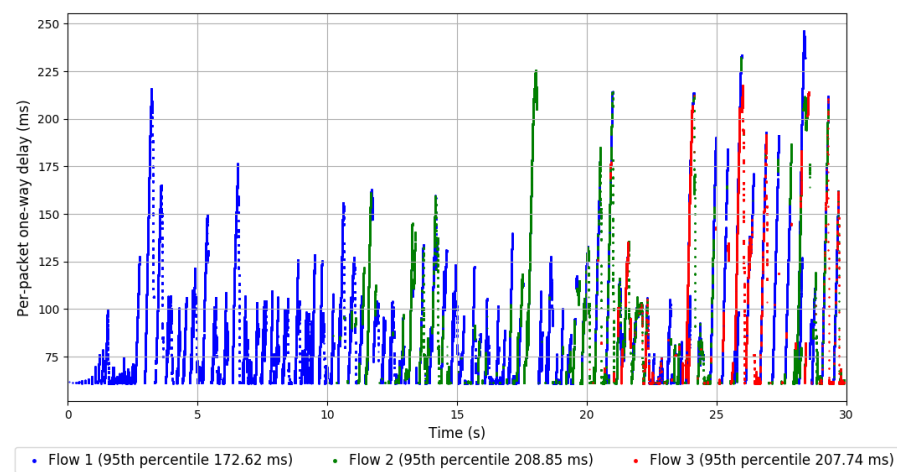
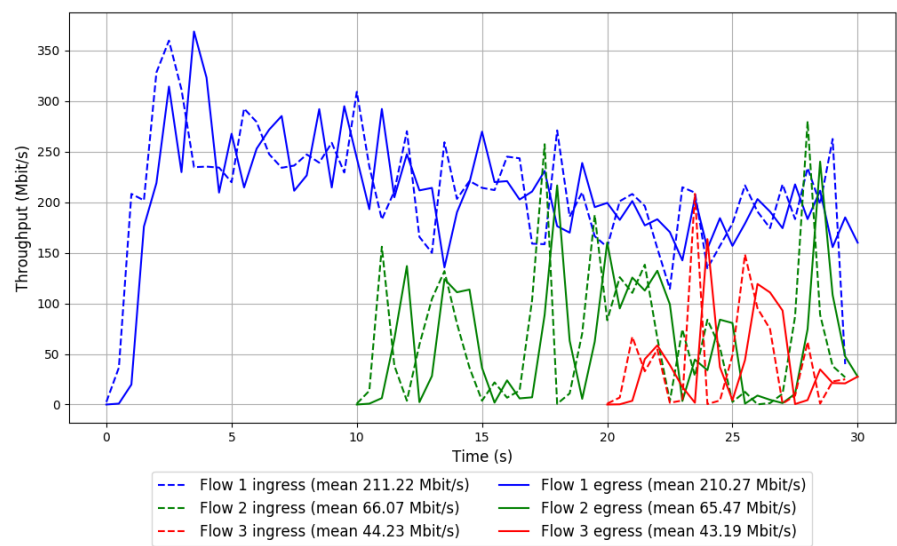


Run 2: Statistics of Verus

Start at: 2018-07-11 02:40:40
End at: 2018-07-11 02:41:10
Local clock offset: -0.026 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2018-07-11 08:13:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 267.11 Mbit/s
95th percentile per-packet one-way delay: 187.996 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 210.27 Mbit/s
95th percentile per-packet one-way delay: 172.625 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 65.47 Mbit/s
95th percentile per-packet one-way delay: 208.851 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 43.19 Mbit/s
95th percentile per-packet one-way delay: 207.741 ms
Loss rate: 2.43%

Run 2: Report of Verus — Data Link

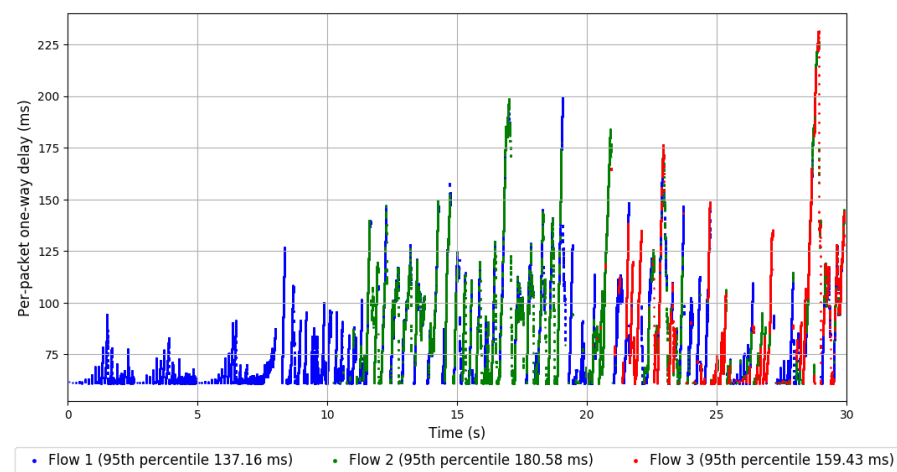
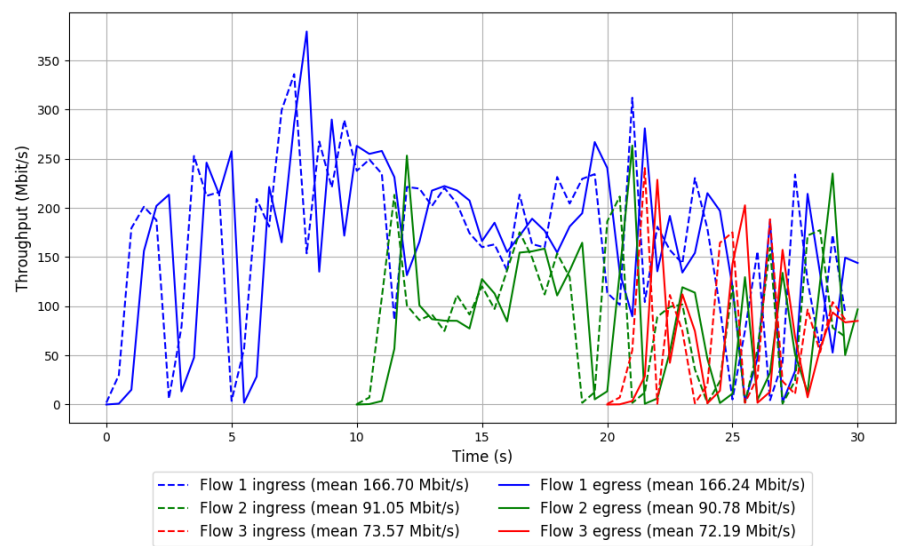


Run 3: Statistics of Verus

Start at: 2018-07-11 03:05:16
End at: 2018-07-11 03:05:46
Local clock offset: -0.032 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-07-11 08:13:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 250.08 Mbit/s
95th percentile per-packet one-way delay: 147.107 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 166.24 Mbit/s
95th percentile per-packet one-way delay: 137.160 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 90.78 Mbit/s
95th percentile per-packet one-way delay: 180.580 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 72.19 Mbit/s
95th percentile per-packet one-way delay: 159.430 ms
Loss rate: 1.78%

Run 3: Report of Verus — Data Link

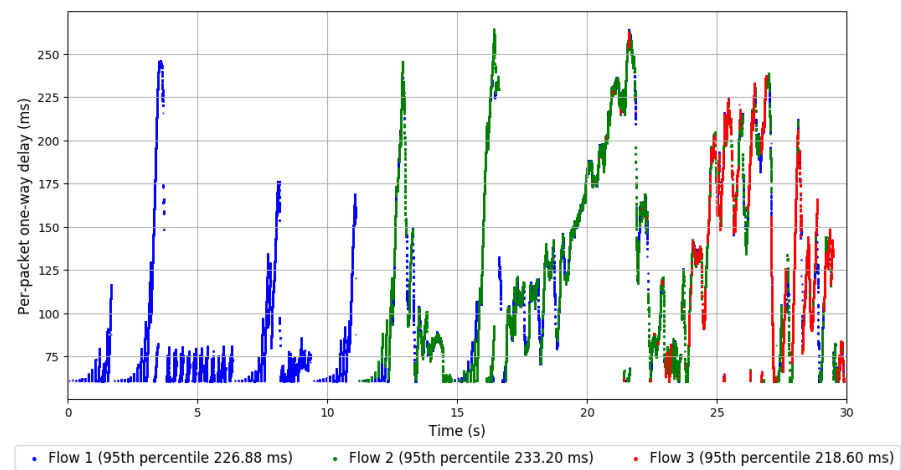
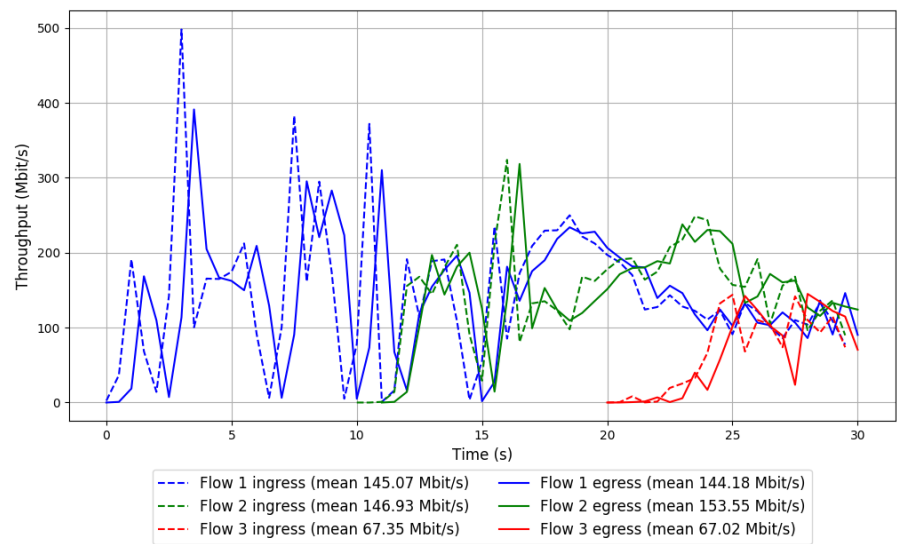


Run 4: Statistics of Verus

Start at: 2018-07-11 03:29:36
End at: 2018-07-11 03:30:06
Local clock offset: 0.004 ms
Remote clock offset: -0.455 ms

Below is generated by plot.py at 2018-07-11 08:14:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 262.44 Mbit/s
95th percentile per-packet one-way delay: 230.460 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 144.18 Mbit/s
95th percentile per-packet one-way delay: 226.880 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 153.55 Mbit/s
95th percentile per-packet one-way delay: 233.196 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 67.02 Mbit/s
95th percentile per-packet one-way delay: 218.602 ms
Loss rate: 1.67%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-11 03:53:59

End at: 2018-07-11 03:54:29

Local clock offset: 0.003 ms

Remote clock offset: 1.085 ms

Below is generated by plot.py at 2018-07-11 08:14:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 275.00 Mbit/s

95th percentile per-packet one-way delay: 199.139 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 197.83 Mbit/s

95th percentile per-packet one-way delay: 195.734 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 88.00 Mbit/s

95th percentile per-packet one-way delay: 207.402 ms

Loss rate: 0.34%

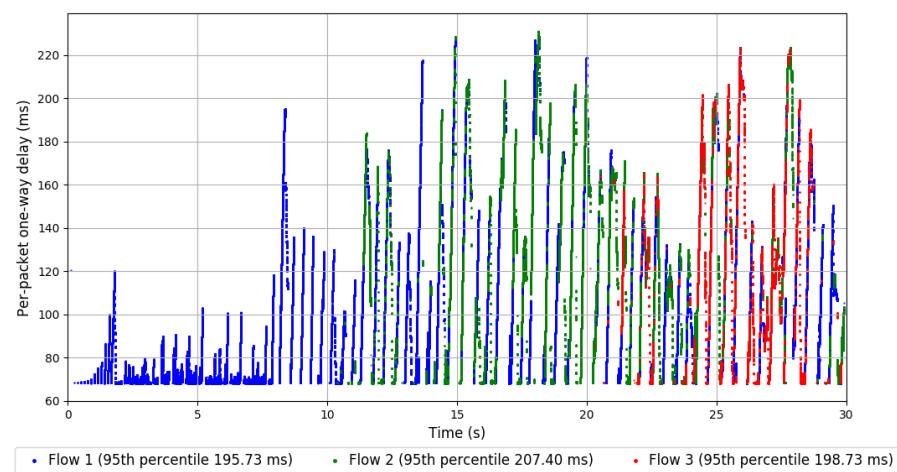
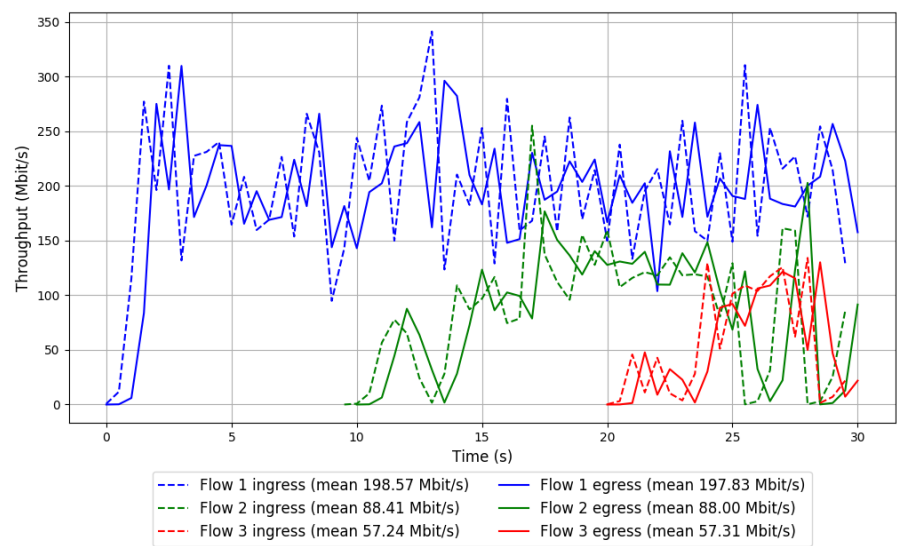
-- Flow 3:

Average throughput: 57.31 Mbit/s

95th percentile per-packet one-way delay: 198.728 ms

Loss rate: 0.33%

Run 5: Report of Verus — Data Link

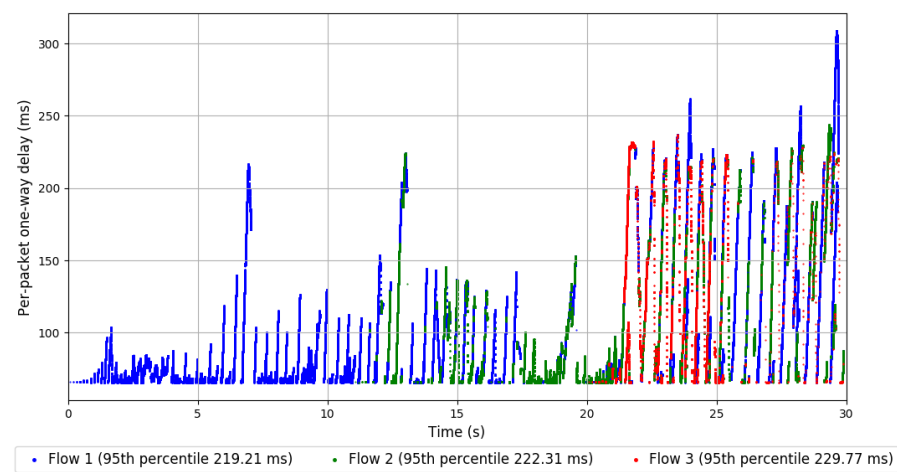
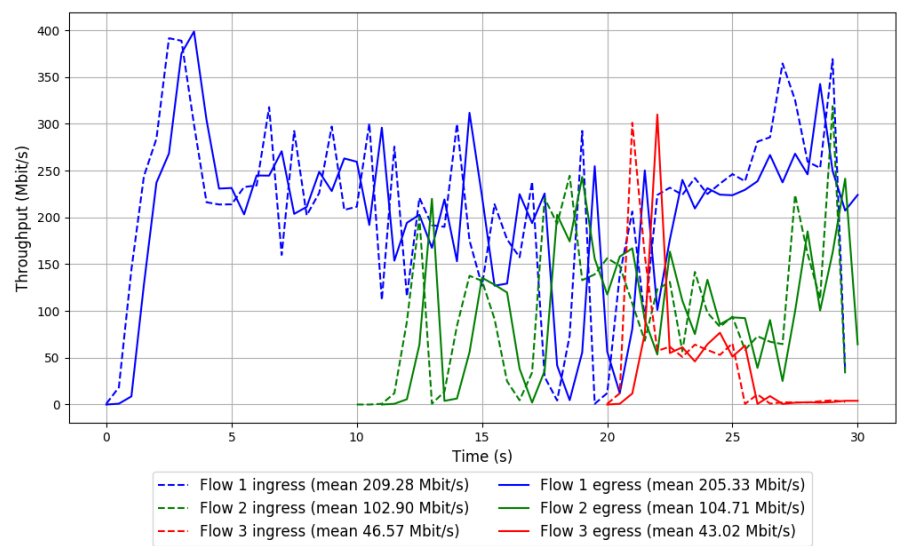


Run 6: Statistics of Verus

Start at: 2018-07-11 04:18:15
End at: 2018-07-11 04:18:45
Local clock offset: -0.043 ms
Remote clock offset: -1.378 ms

Below is generated by plot.py at 2018-07-11 08:15:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 285.55 Mbit/s
95th percentile per-packet one-way delay: 221.934 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 205.33 Mbit/s
95th percentile per-packet one-way delay: 219.214 ms
Loss rate: 1.89%
-- Flow 2:
Average throughput: 104.71 Mbit/s
95th percentile per-packet one-way delay: 222.305 ms
Loss rate: 3.32%
-- Flow 3:
Average throughput: 43.02 Mbit/s
95th percentile per-packet one-way delay: 229.770 ms
Loss rate: 7.70%

Run 6: Report of Verus — Data Link

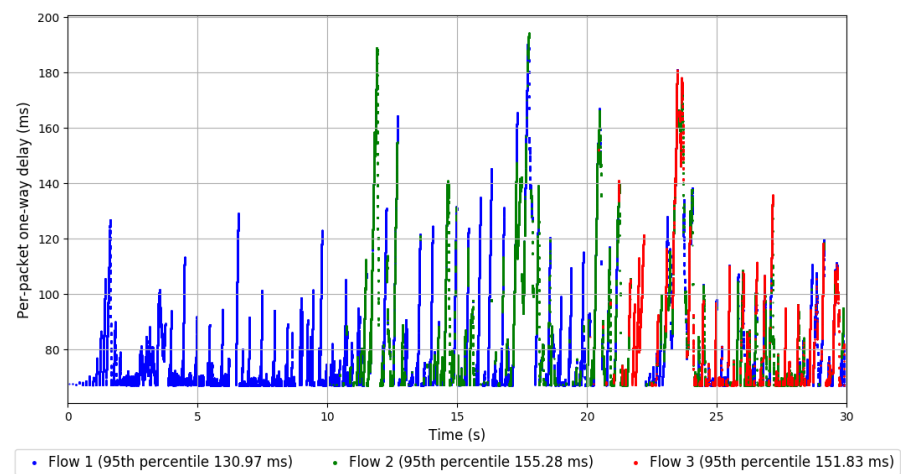
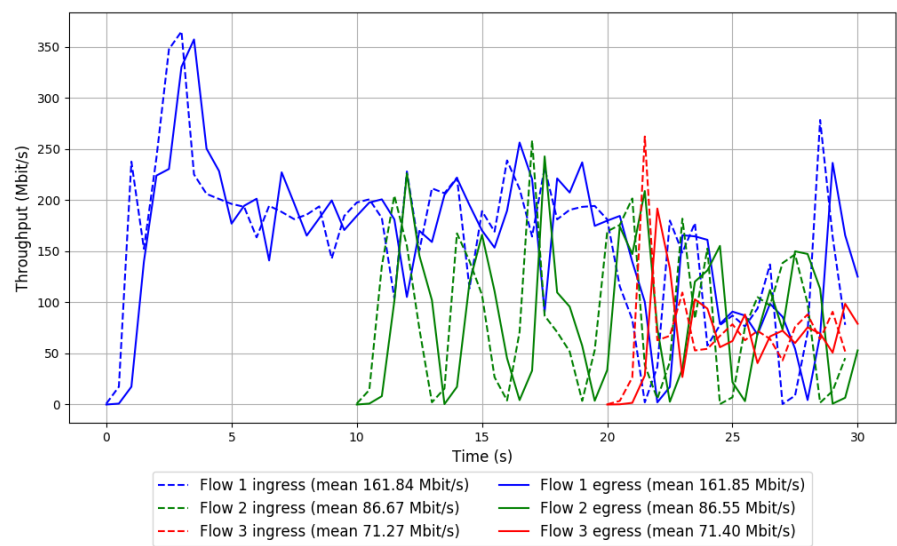


Run 7: Statistics of Verus

Start at: 2018-07-11 04:42:45
End at: 2018-07-11 04:43:15
Local clock offset: 0.007 ms
Remote clock offset: 0.221 ms

Below is generated by plot.py at 2018-07-11 08:15:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 242.69 Mbit/s
95th percentile per-packet one-way delay: 139.432 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 161.85 Mbit/s
95th percentile per-packet one-way delay: 130.972 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 86.55 Mbit/s
95th percentile per-packet one-way delay: 155.281 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 71.40 Mbit/s
95th percentile per-packet one-way delay: 151.833 ms
Loss rate: 0.00%

Run 7: Report of Verus — Data Link

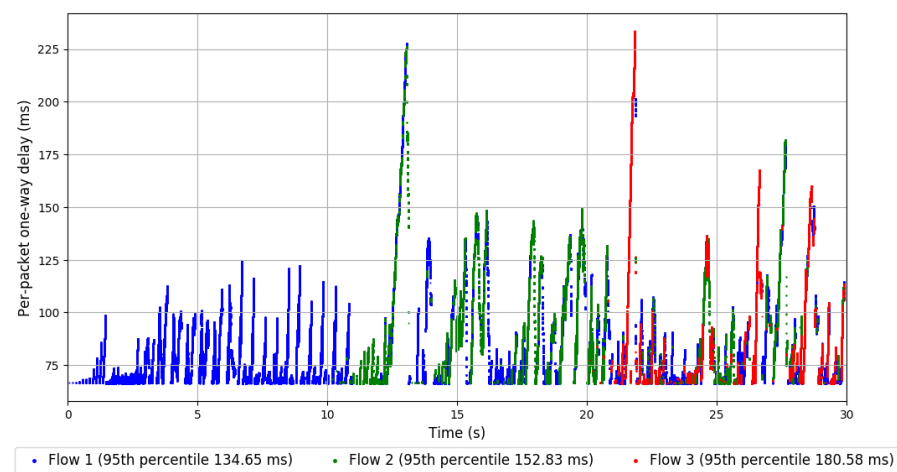
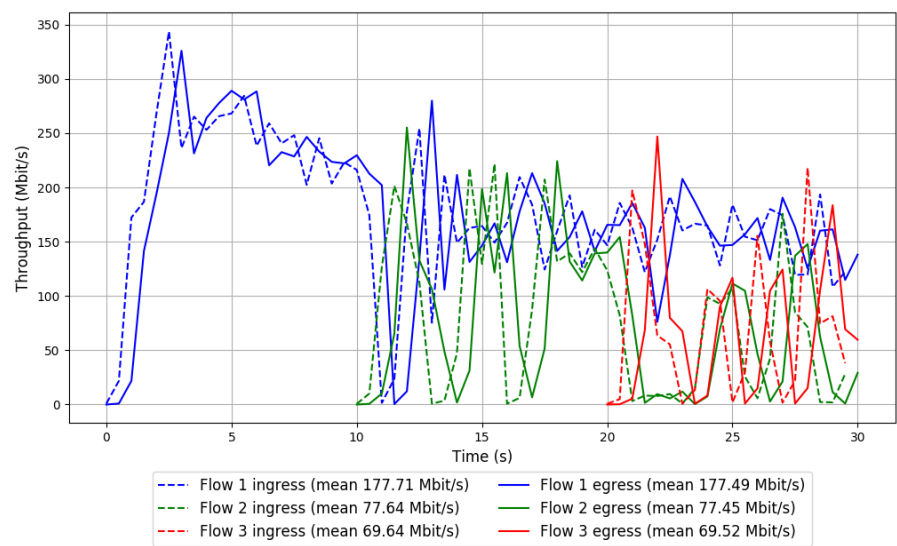


Run 8: Statistics of Verus

Start at: 2018-07-11 05:06:45
End at: 2018-07-11 05:07:15
Local clock offset: 0.017 ms
Remote clock offset: -0.282 ms

Below is generated by plot.py at 2018-07-11 08:17:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 251.71 Mbit/s
95th percentile per-packet one-way delay: 143.938 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 177.49 Mbit/s
95th percentile per-packet one-way delay: 134.653 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 77.45 Mbit/s
95th percentile per-packet one-way delay: 152.830 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 69.52 Mbit/s
95th percentile per-packet one-way delay: 180.579 ms
Loss rate: 0.28%

Run 8: Report of Verus — Data Link

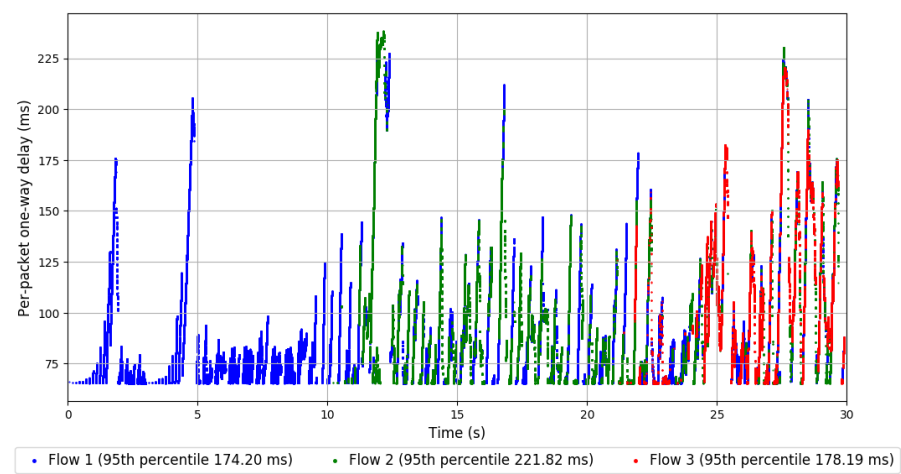
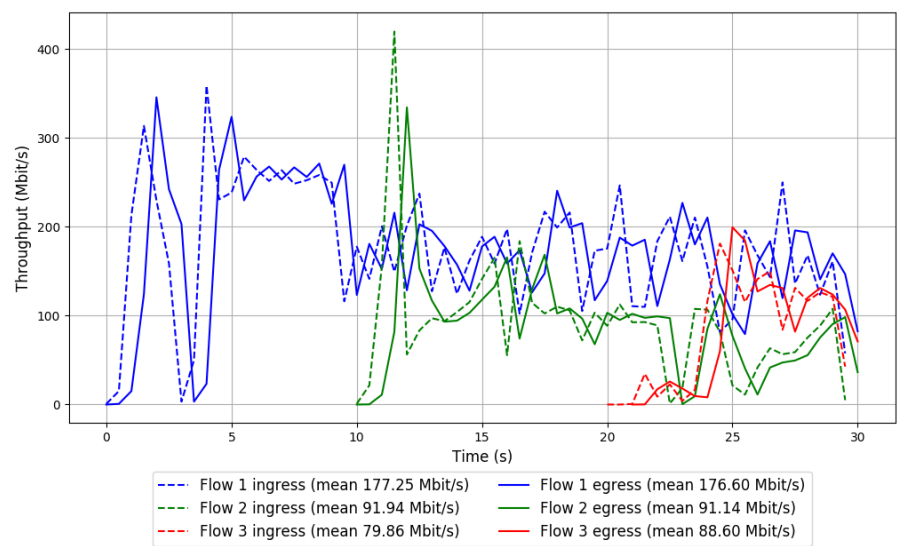


Run 9: Statistics of Verus

Start at: 2018-07-11 05:31:08
End at: 2018-07-11 05:31:38
Local clock offset: -0.009 ms
Remote clock offset: -1.349 ms

Below is generated by plot.py at 2018-07-11 08:18:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 262.80 Mbit/s
95th percentile per-packet one-way delay: 181.748 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 176.60 Mbit/s
95th percentile per-packet one-way delay: 174.197 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 91.14 Mbit/s
95th percentile per-packet one-way delay: 221.816 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 88.60 Mbit/s
95th percentile per-packet one-way delay: 178.188 ms
Loss rate: 0.89%

Run 9: Report of Verus — Data Link

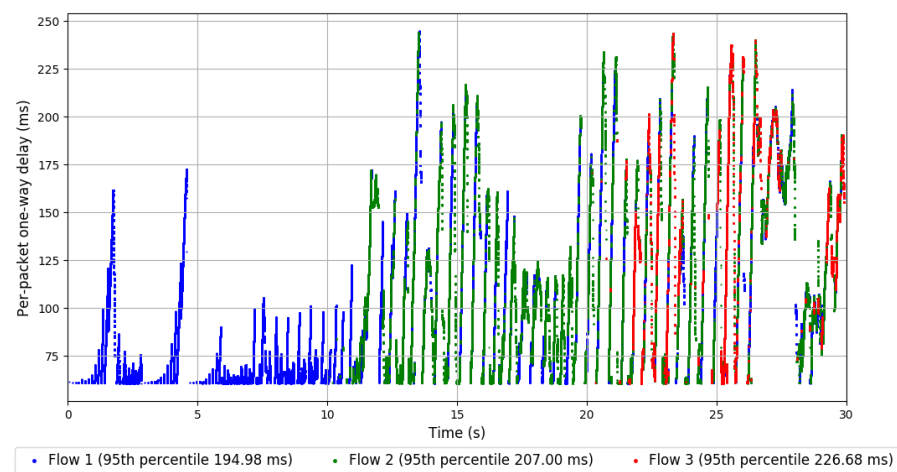
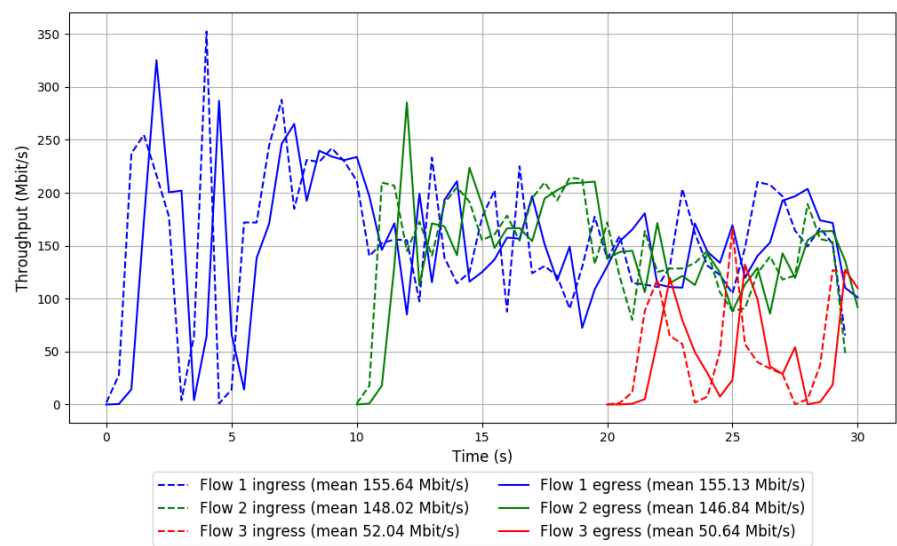


Run 10: Statistics of Verus

Start at: 2018-07-11 05:55:23
End at: 2018-07-11 05:55:53
Local clock offset: -0.006 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-11 08:18:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 269.00 Mbit/s
95th percentile per-packet one-way delay: 201.272 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 155.13 Mbit/s
95th percentile per-packet one-way delay: 194.977 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 146.84 Mbit/s
95th percentile per-packet one-way delay: 206.998 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 50.64 Mbit/s
95th percentile per-packet one-way delay: 226.679 ms
Loss rate: 3.70%

Run 10: Report of Verus — Data Link

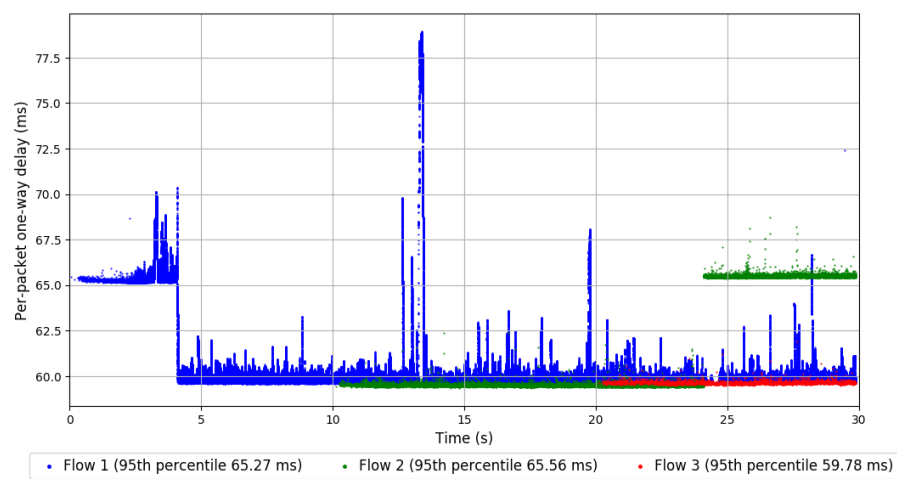
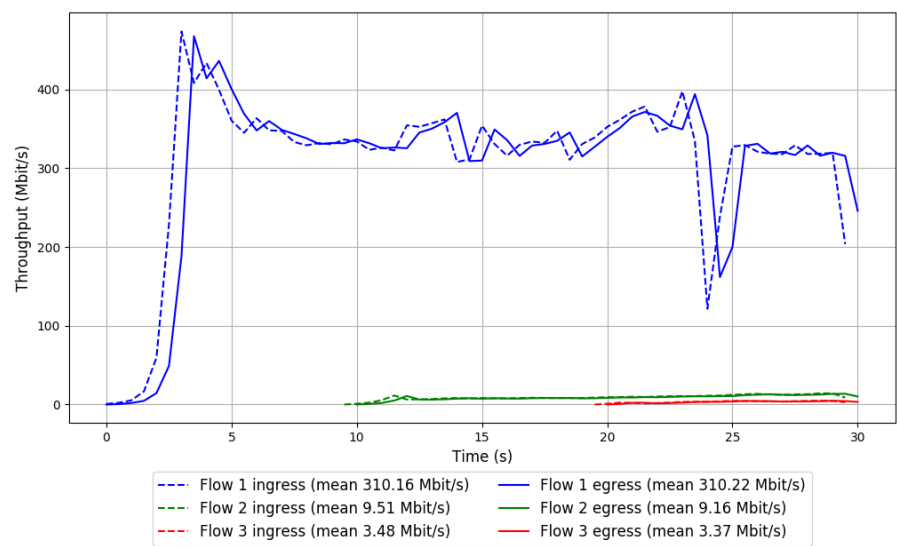


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-11 02:13:33
End at: 2018-07-11 02:14:03
Local clock offset: -0.006 ms
Remote clock offset: -1.511 ms

Below is generated by plot.py at 2018-07-11 08:19:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 317.38 Mbit/s
95th percentile per-packet one-way delay: 65.304 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 310.22 Mbit/s
95th percentile per-packet one-way delay: 65.271 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 9.16 Mbit/s
95th percentile per-packet one-way delay: 65.561 ms
Loss rate: 3.63%
-- Flow 3:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 59.783 ms
Loss rate: 3.22%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-11 02:37:25

End at: 2018-07-11 02:37:55

Local clock offset: -0.027 ms

Remote clock offset: -1.43 ms

Below is generated by plot.py at 2018-07-11 08:22:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 473.79 Mbit/s

95th percentile per-packet one-way delay: 61.992 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 275.20 Mbit/s

95th percentile per-packet one-way delay: 61.925 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 285.38 Mbit/s

95th percentile per-packet one-way delay: 61.791 ms

Loss rate: 0.00%

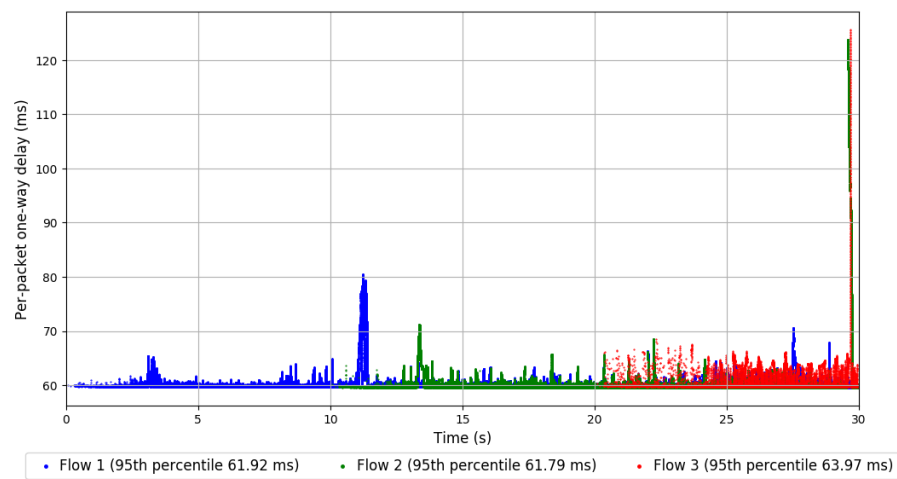
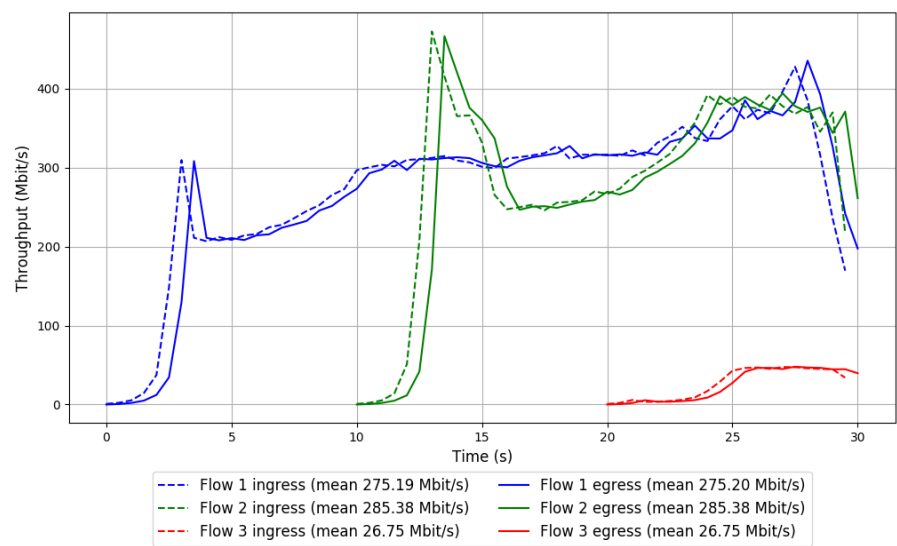
-- Flow 3:

Average throughput: 26.75 Mbit/s

95th percentile per-packet one-way delay: 63.974 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-11 03:02:03

End at: 2018-07-11 03:02:33

Local clock offset: -0.03 ms

Remote clock offset: -0.42 ms

Below is generated by plot.py at 2018-07-11 08:22:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 442.69 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 288.61 Mbit/s

95th percentile per-packet one-way delay: 61.854 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 230.93 Mbit/s

95th percentile per-packet one-way delay: 61.084 ms

Loss rate: 0.00%

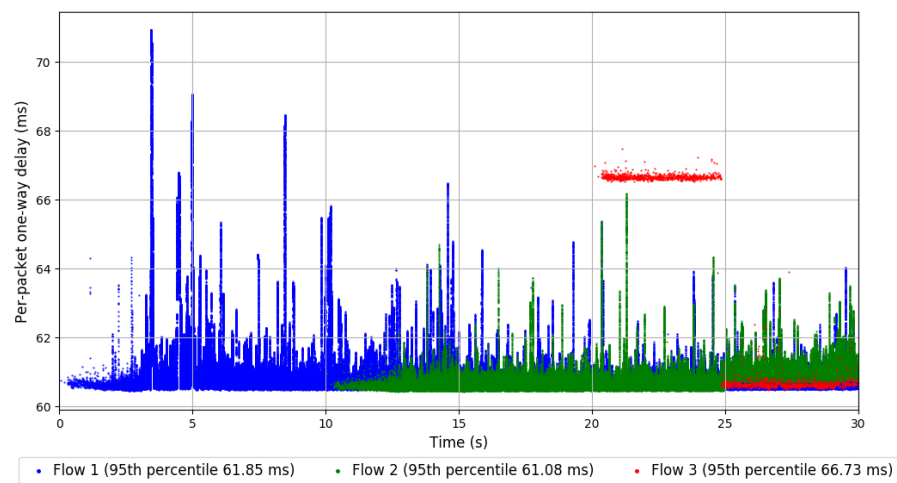
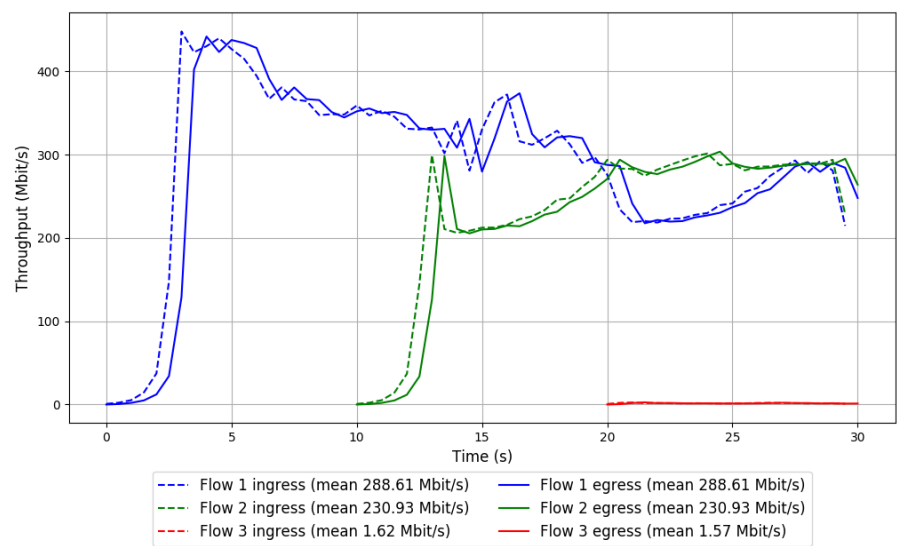
-- Flow 3:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 66.729 ms

Loss rate: 3.52%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-11 03:26:41

End at: 2018-07-11 03:27:11

Local clock offset: -0.075 ms

Remote clock offset: 0.806 ms

Below is generated by plot.py at 2018-07-11 08:22:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 212.27 Mbit/s

95th percentile per-packet one-way delay: 68.213 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 3.09 Mbit/s

95th percentile per-packet one-way delay: 67.889 ms

Loss rate: 3.65%

-- Flow 2:

Average throughput: 201.47 Mbit/s

95th percentile per-packet one-way delay: 68.288 ms

Loss rate: 0.00%

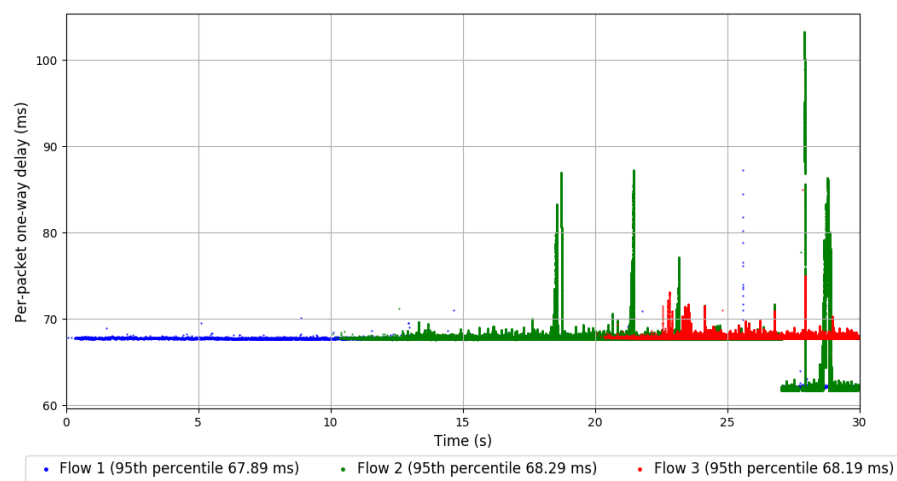
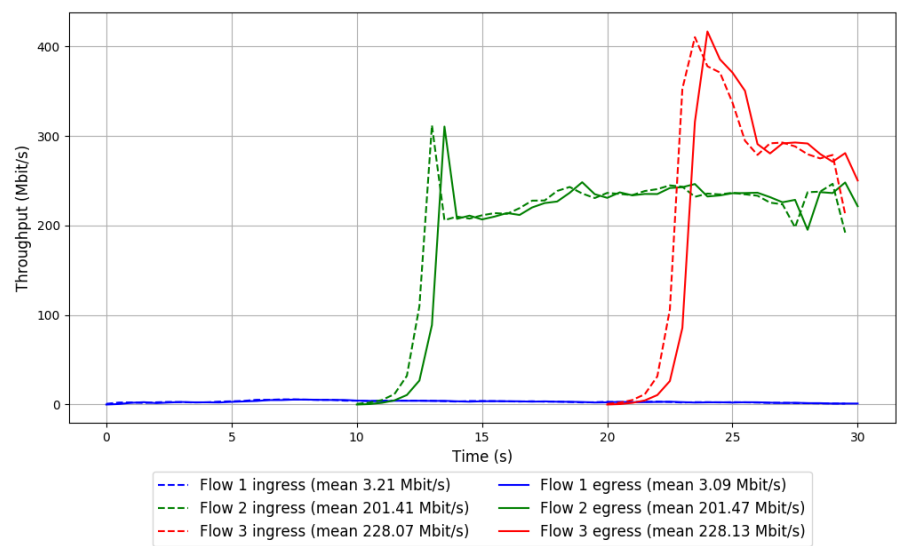
-- Flow 3:

Average throughput: 228.13 Mbit/s

95th percentile per-packet one-way delay: 68.186 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

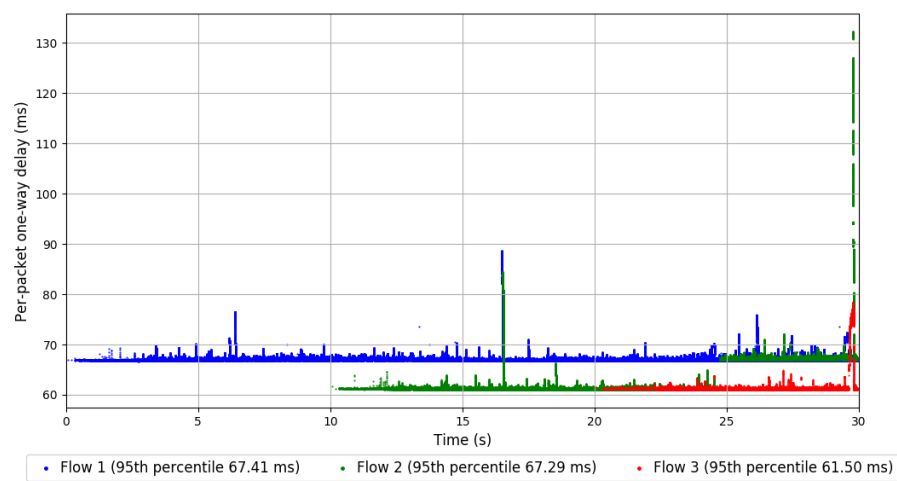
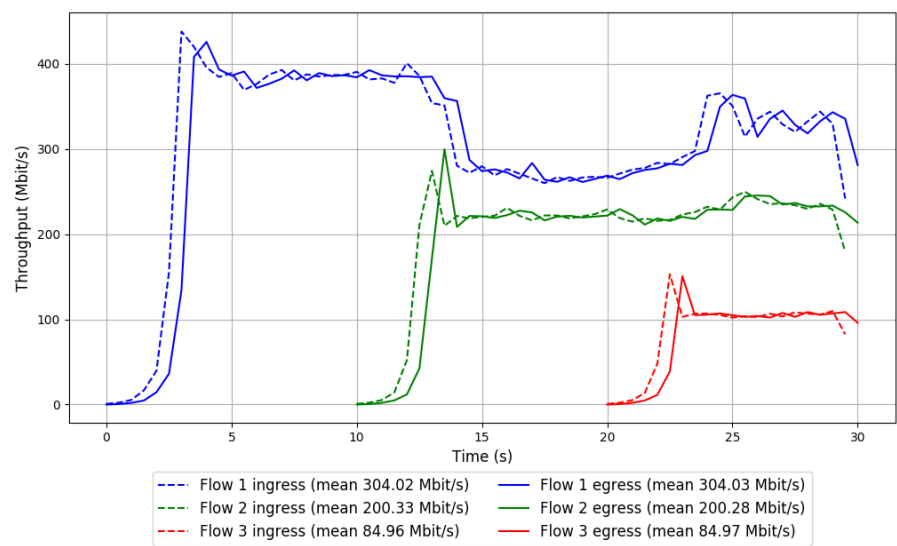


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-11 03:50:43
End at: 2018-07-11 03:51:13
Local clock offset: -0.015 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-11 08:24:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 465.27 Mbit/s
95th percentile per-packet one-way delay: 67.350 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 304.03 Mbit/s
95th percentile per-packet one-way delay: 67.408 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 200.28 Mbit/s
95th percentile per-packet one-way delay: 67.289 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 84.97 Mbit/s
95th percentile per-packet one-way delay: 61.502 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-11 04:15:00

End at: 2018-07-11 04:15:30

Local clock offset: -0.023 ms

Remote clock offset: 1.109 ms

Below is generated by plot.py at 2018-07-11 08:25:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 451.02 Mbit/s

95th percentile per-packet one-way delay: 68.438 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 268.06 Mbit/s

95th percentile per-packet one-way delay: 68.268 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 252.04 Mbit/s

95th percentile per-packet one-way delay: 68.662 ms

Loss rate: 0.00%

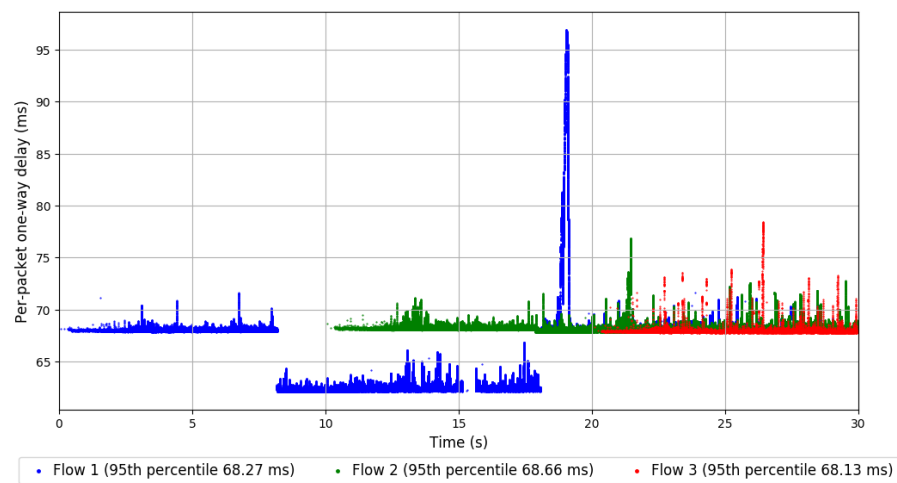
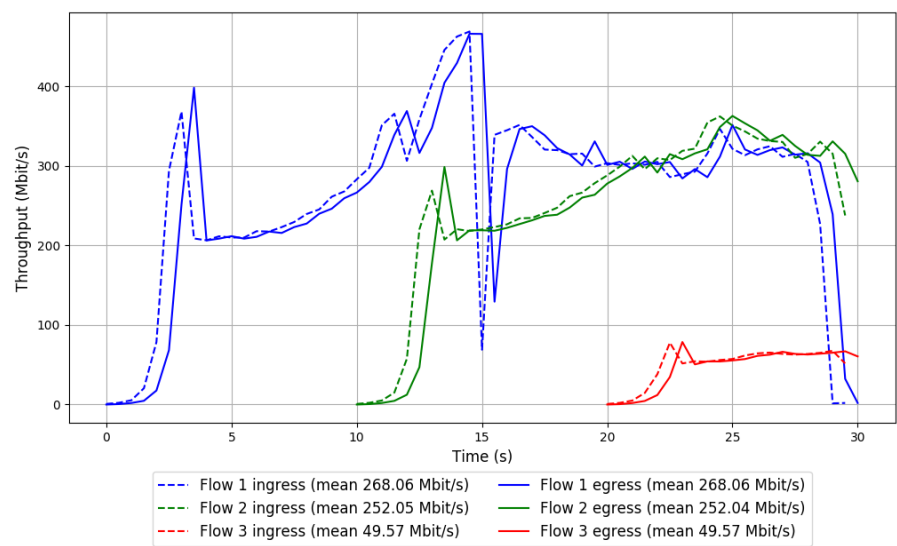
-- Flow 3:

Average throughput: 49.57 Mbit/s

95th percentile per-packet one-way delay: 68.128 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-11 04:39:25

End at: 2018-07-11 04:39:55

Local clock offset: -0.035 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-07-11 08:26:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 530.78 Mbit/s

95th percentile per-packet one-way delay: 68.417 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 319.65 Mbit/s

95th percentile per-packet one-way delay: 69.118 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 245.83 Mbit/s

95th percentile per-packet one-way delay: 67.978 ms

Loss rate: 0.00%

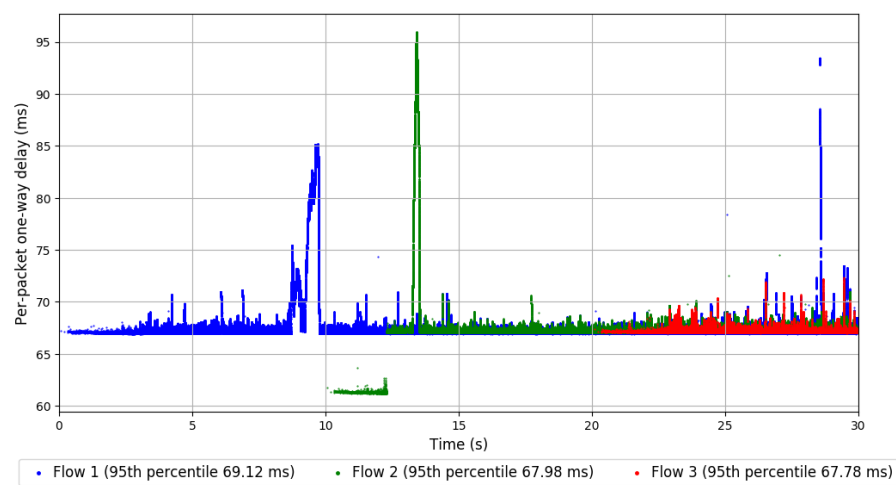
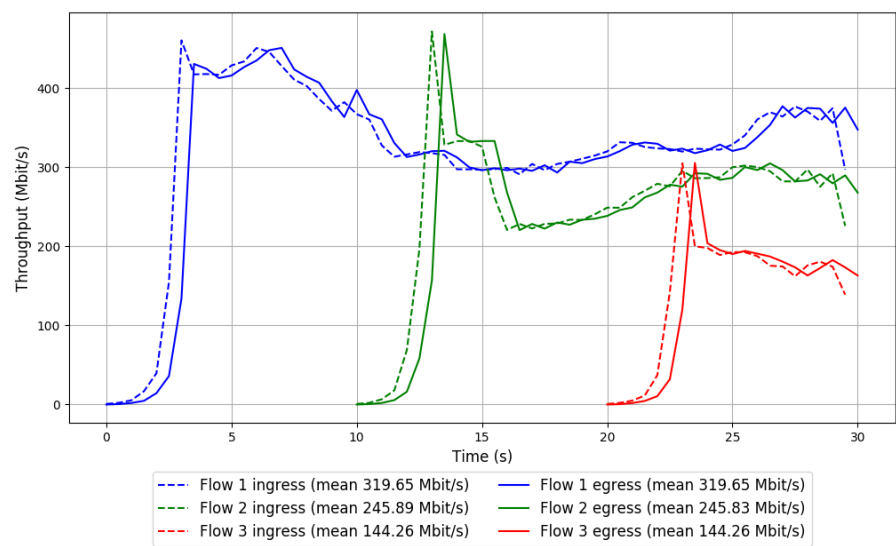
-- Flow 3:

Average throughput: 144.26 Mbit/s

95th percentile per-packet one-way delay: 67.781 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

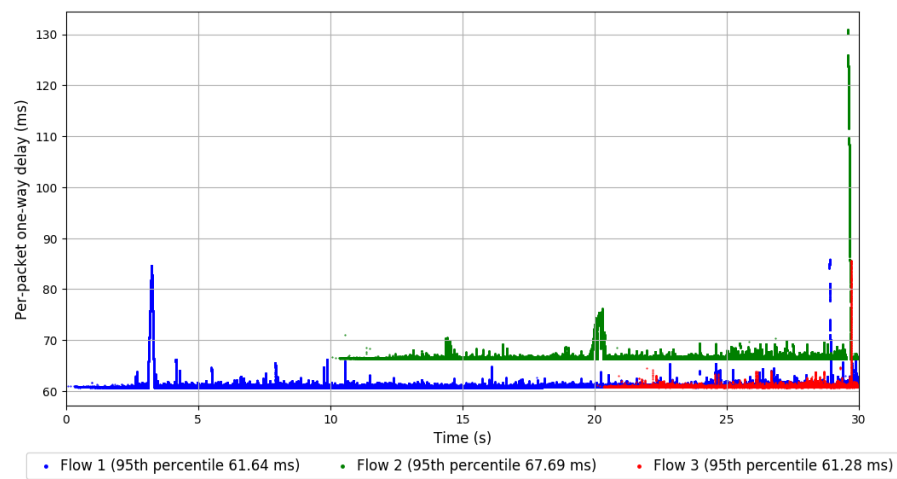
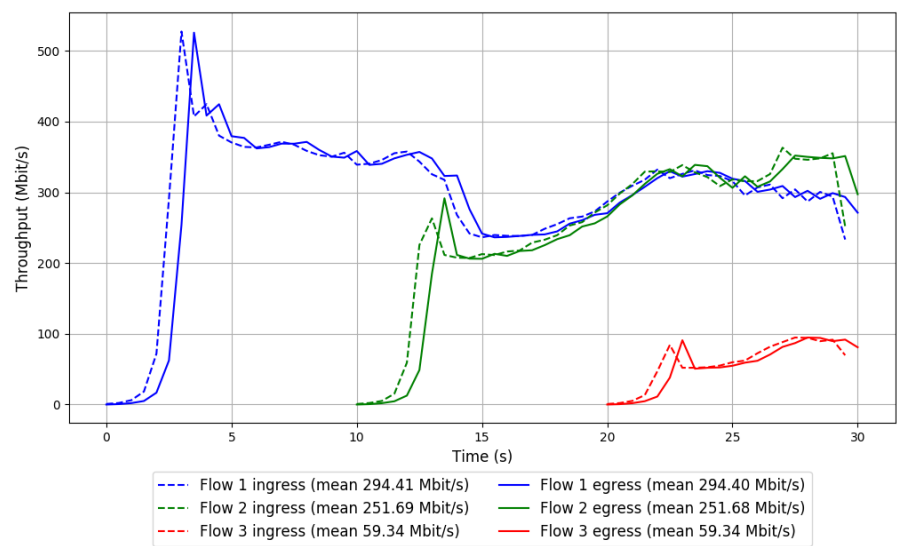


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-11 05:03:30
End at: 2018-07-11 05:04:00
Local clock offset: -0.022 ms
Remote clock offset: -0.252 ms

Below is generated by plot.py at 2018-07-11 08:26:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 481.27 Mbit/s
95th percentile per-packet one-way delay: 66.814 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 294.40 Mbit/s
95th percentile per-packet one-way delay: 61.639 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 251.68 Mbit/s
95th percentile per-packet one-way delay: 67.688 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 59.34 Mbit/s
95th percentile per-packet one-way delay: 61.276 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

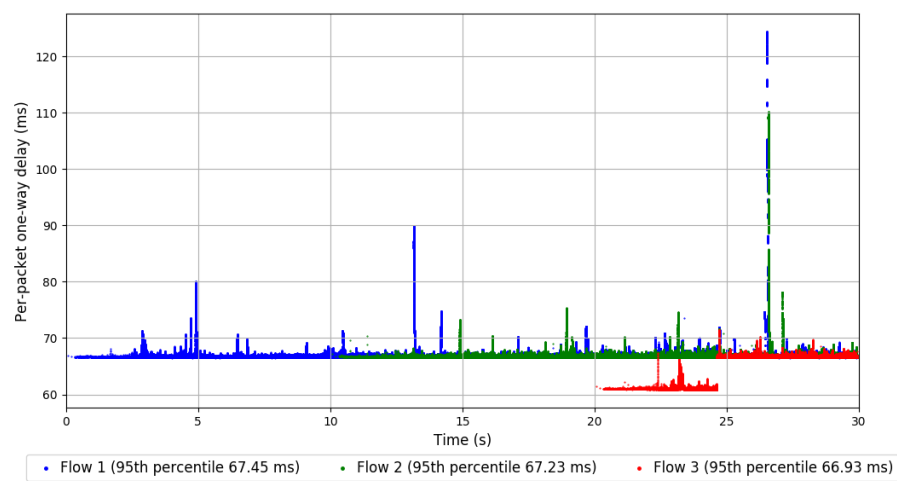
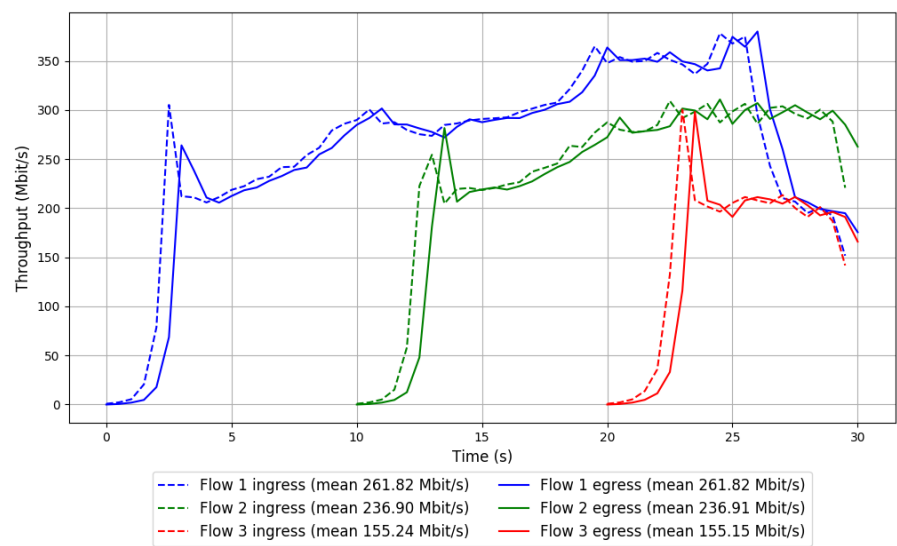


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-11 05:27:53
End at: 2018-07-11 05:28:23
Local clock offset: -0.001 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-11 08:26:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 470.62 Mbit/s
95th percentile per-packet one-way delay: 67.311 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 261.82 Mbit/s
95th percentile per-packet one-way delay: 67.446 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 236.91 Mbit/s
95th percentile per-packet one-way delay: 67.233 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 155.15 Mbit/s
95th percentile per-packet one-way delay: 66.934 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-11 05:52:06

End at: 2018-07-11 05:52:36

Local clock offset: 0.044 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-07-11 08:26:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 506.10 Mbit/s

95th percentile per-packet one-way delay: 68.150 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 292.02 Mbit/s

95th percentile per-packet one-way delay: 69.468 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 251.52 Mbit/s

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

Loss rate: 0.00%

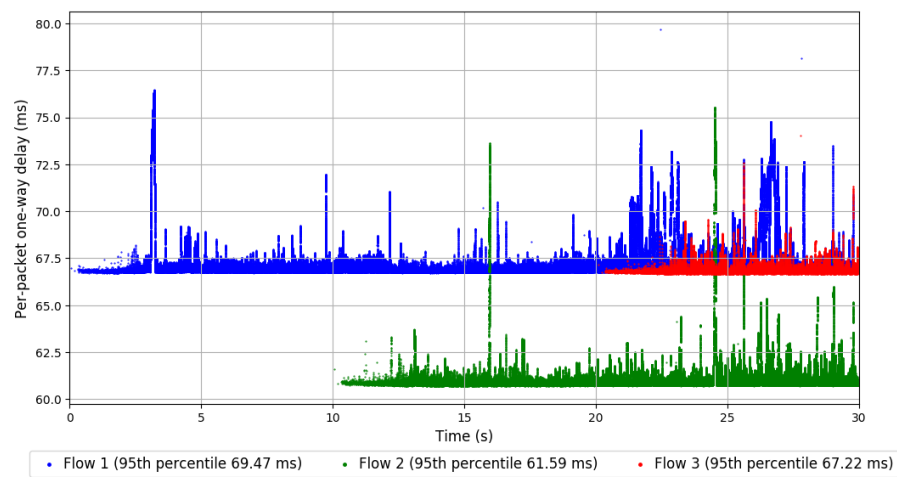
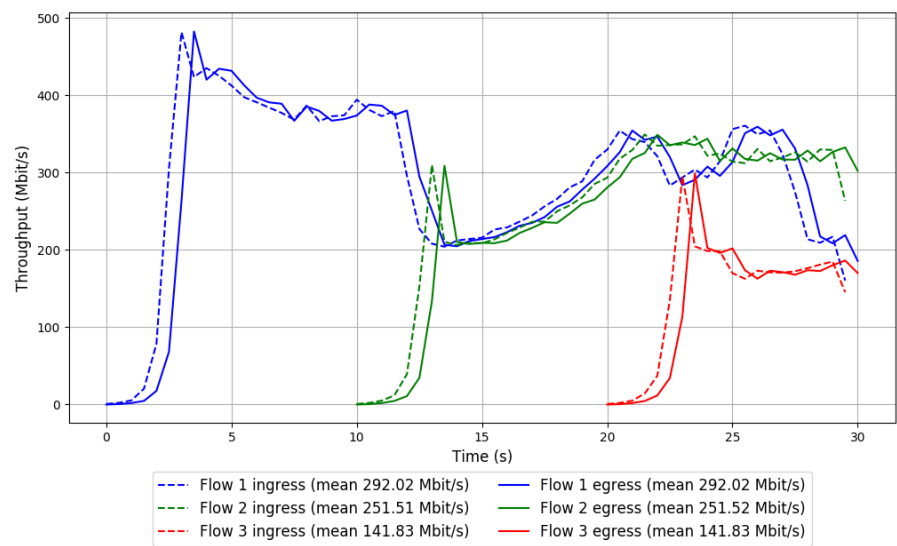
-- Flow 3:

Average throughput: 141.83 Mbit/s

95th percentile per-packet one-way delay: 67.220 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

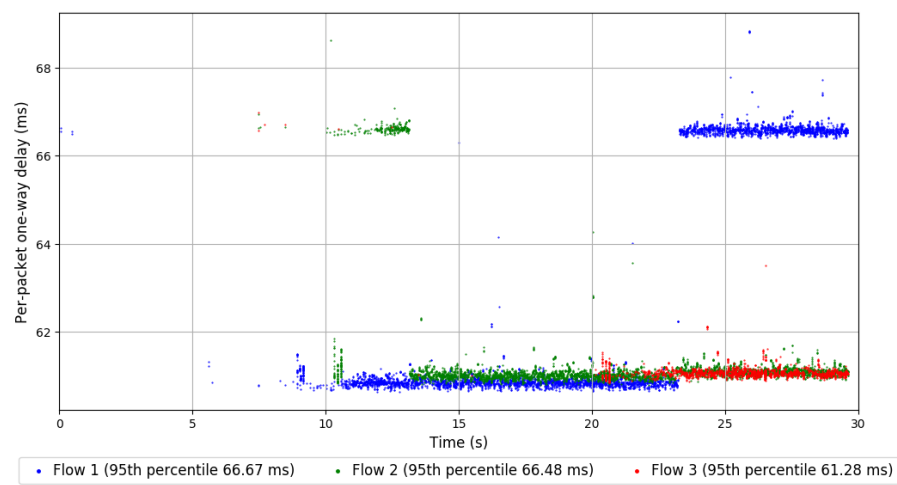
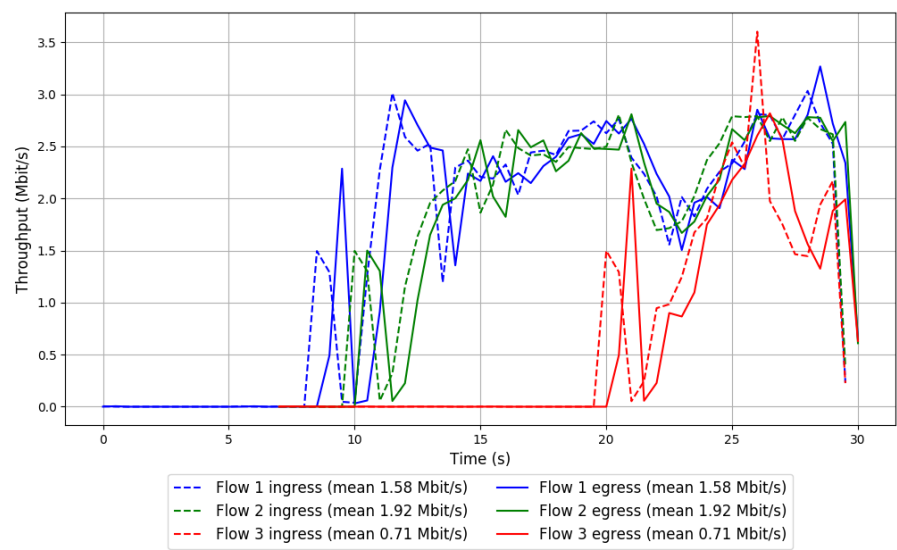


Run 1: Statistics of WebRTC media

Start at: 2018-07-11 02:12:24
End at: 2018-07-11 02:12:54
Local clock offset: -0.008 ms
Remote clock offset: -0.237 ms

Below is generated by plot.py at 2018-07-11 08:26:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.54 Mbit/s
95th percentile per-packet one-way delay: 66.623 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 66.666 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 66.485 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 61.284 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

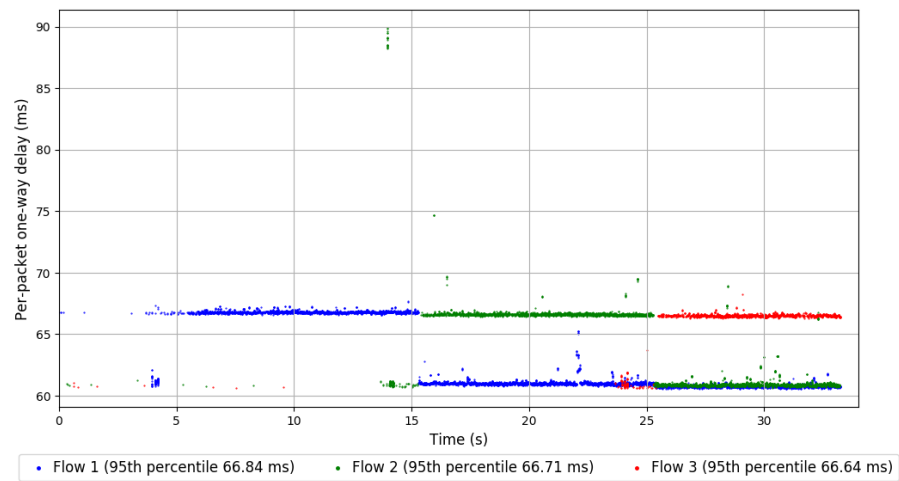
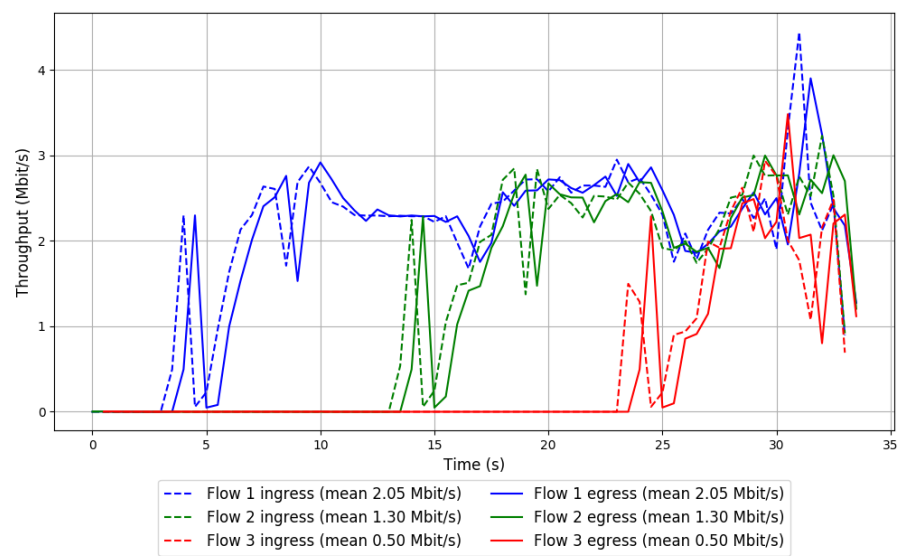


Run 2: Statistics of WebRTC media

Start at: 2018-07-11 02:36:16
End at: 2018-07-11 02:36:46
Local clock offset: -0.001 ms
Remote clock offset: -0.352 ms

Below is generated by plot.py at 2018-07-11 08:26:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 66.810 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 66.836 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 66.706 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 66.640 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-11 03:00:53

End at: 2018-07-11 03:01:23

Local clock offset: 0.008 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-11 08:26:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.77 Mbit/s

95th percentile per-packet one-way delay: 67.223 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 67.280 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.27 Mbit/s

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

Loss rate: 0.00%

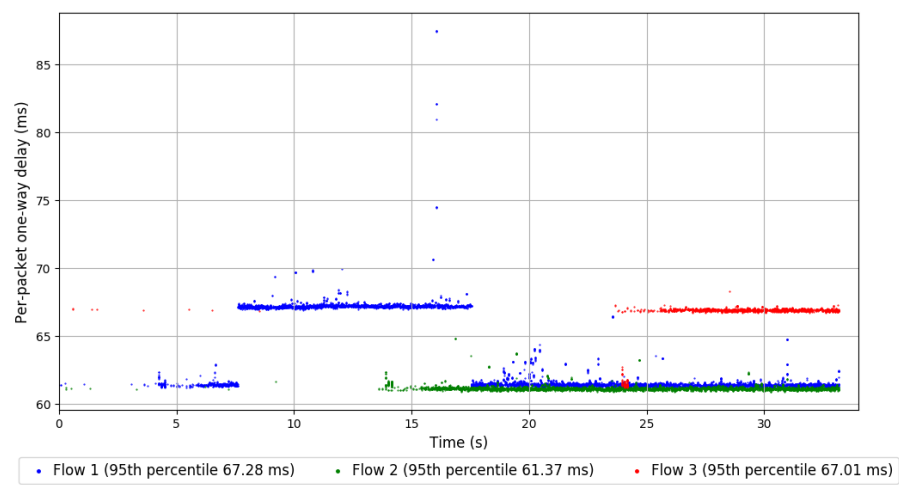
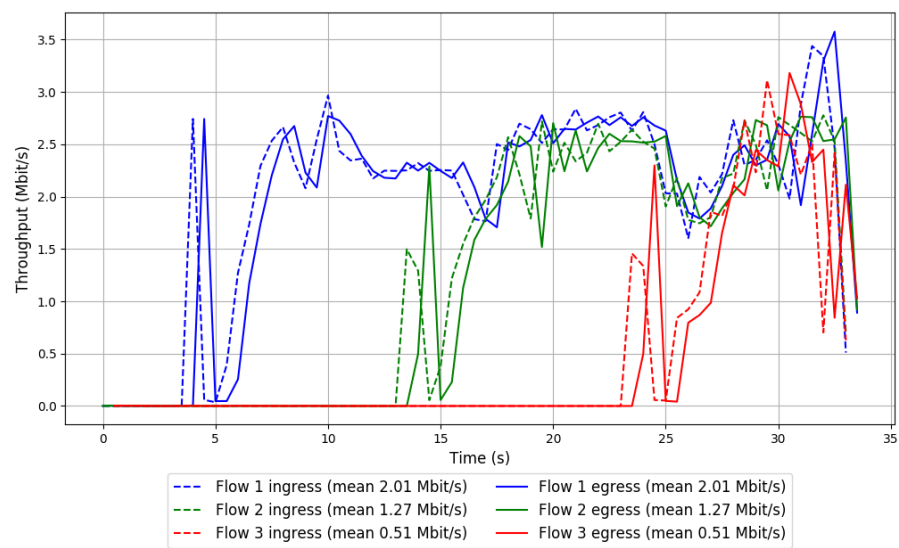
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 67.013 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

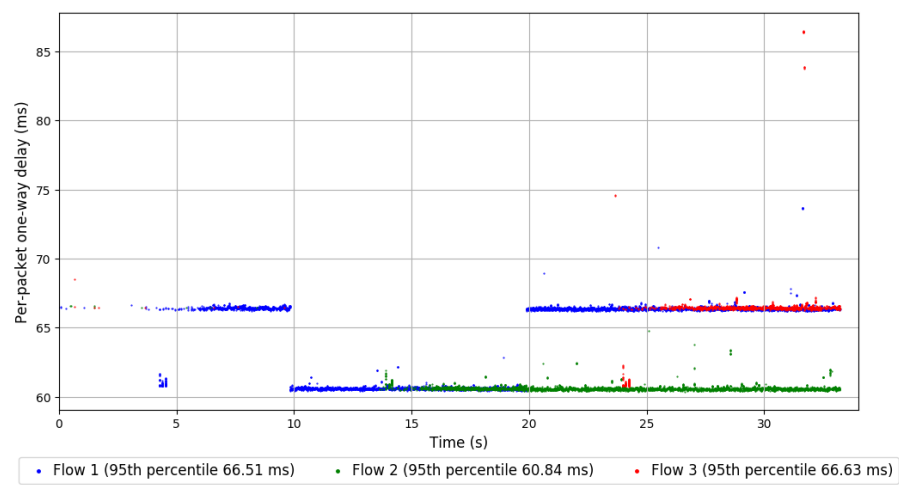
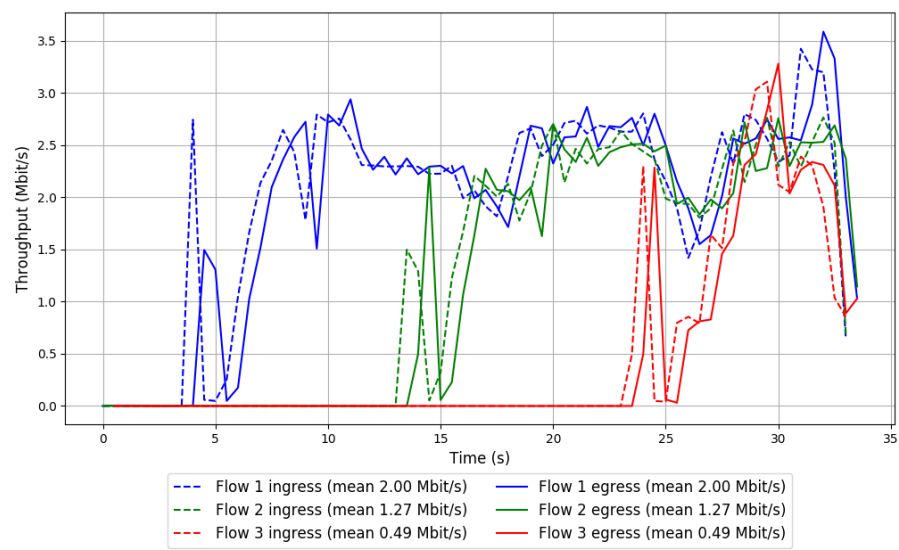


Run 4: Statistics of WebRTC media

Start at: 2018-07-11 03:25:31
End at: 2018-07-11 03:26:01
Local clock offset: 0.013 ms
Remote clock offset: -0.475 ms

Below is generated by plot.py at 2018-07-11 08:26:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.73 Mbit/s
95th percentile per-packet one-way delay: 66.504 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 66.506 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 60.842 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 66.631 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

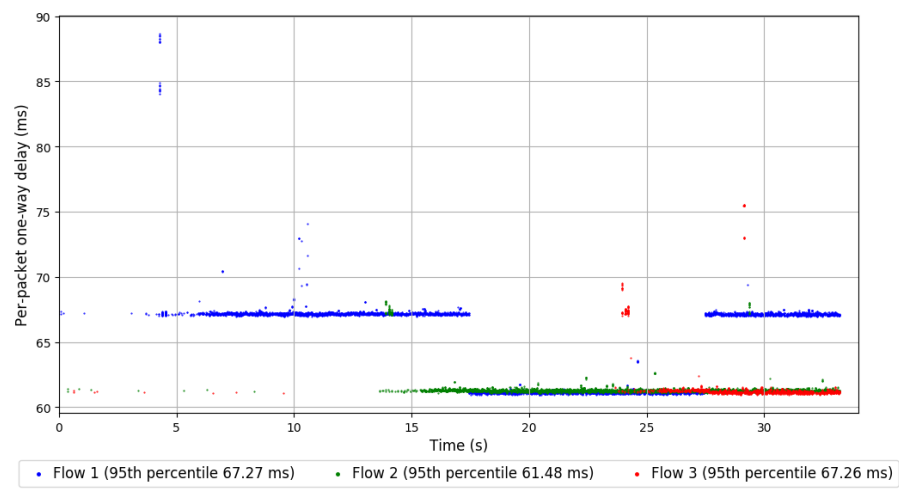
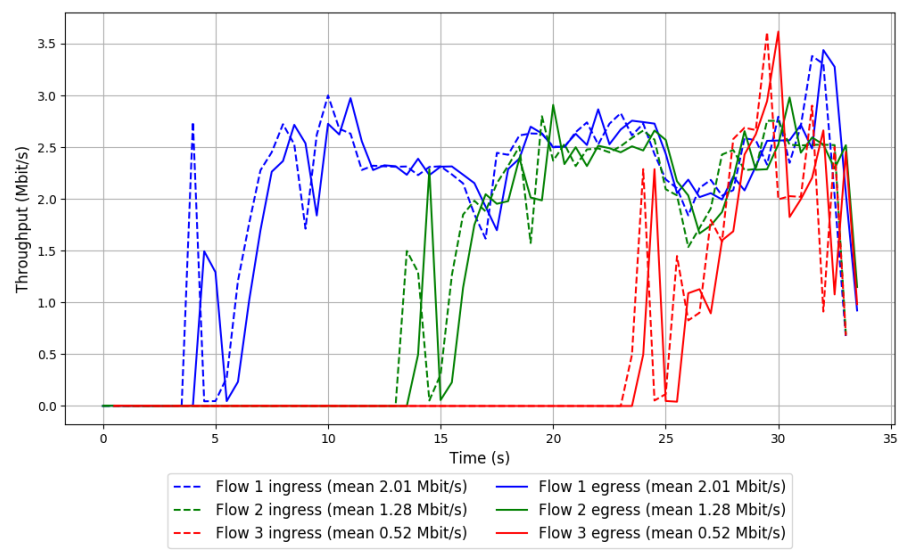


Run 5: Statistics of WebRTC media

Start at: 2018-07-11 03:49:33
End at: 2018-07-11 03:50:03
Local clock offset: -0.042 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-11 08:26:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 67.249 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 67.268 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 61.476 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 67.260 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

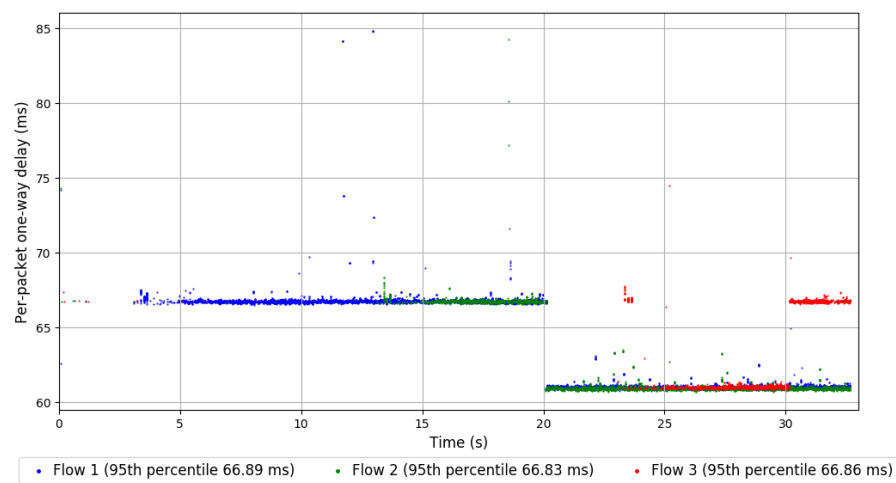
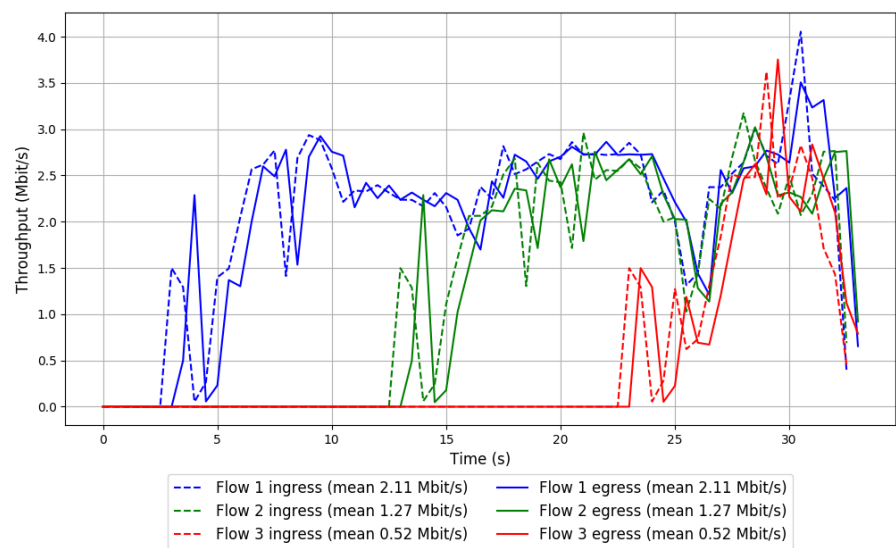


Run 6: Statistics of WebRTC media

Start at: 2018-07-11 04:13:50
End at: 2018-07-11 04:14:20
Local clock offset: -0.006 ms
Remote clock offset: -0.264 ms

Below is generated by plot.py at 2018-07-11 08:26:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 66.869 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 66.892 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 66.830 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 66.865 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-11 04:38:16

End at: 2018-07-11 04:38:46

Local clock offset: 0.003 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-11 08:26:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.74 Mbit/s

95th percentile per-packet one-way delay: 67.085 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 61.602 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.27 Mbit/s

95th percentile per-packet one-way delay: 67.064 ms

Loss rate: 0.25%

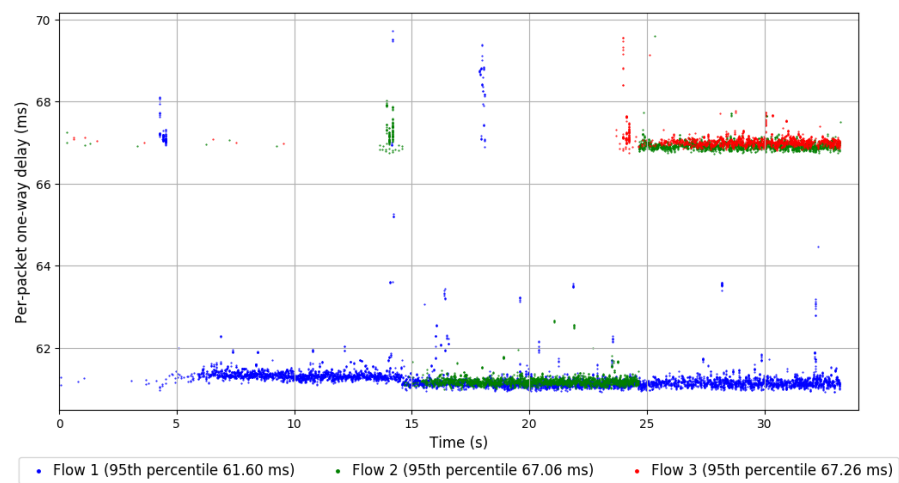
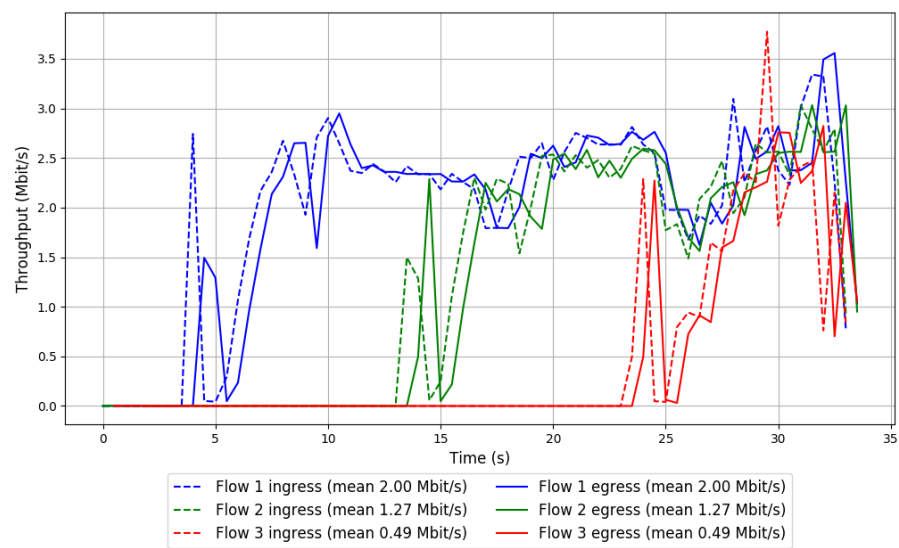
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 67.263 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

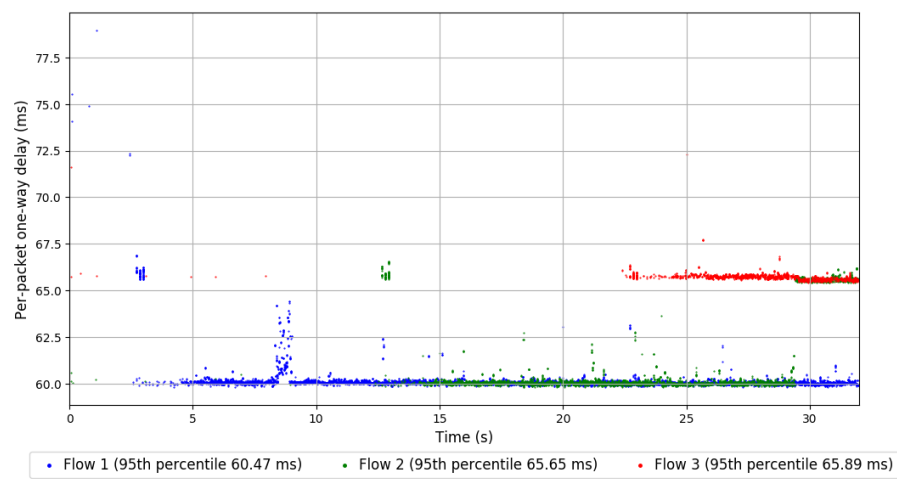
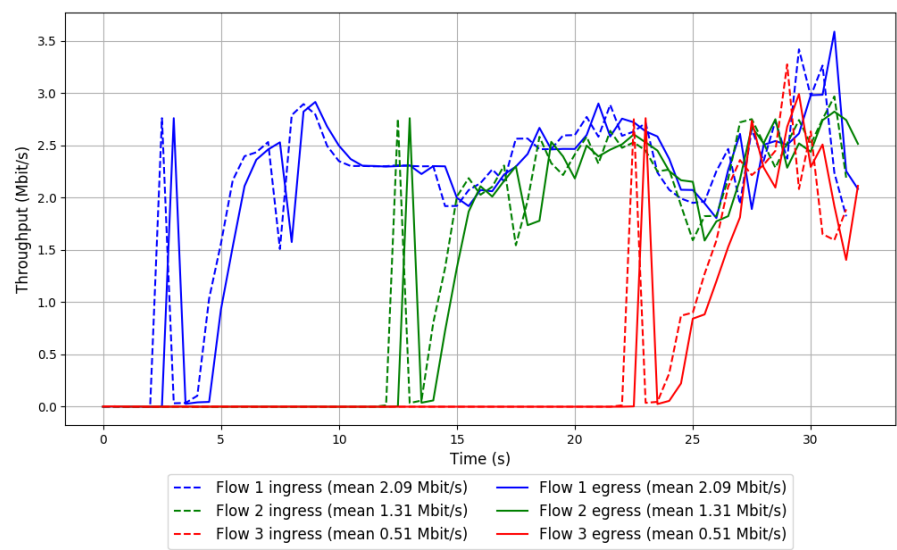


Run 8: Statistics of WebRTC media

Start at: 2018-07-11 05:02:20
End at: 2018-07-11 05:02:50
Local clock offset: -0.008 ms
Remote clock offset: -1.218 ms

Below is generated by plot.py at 2018-07-11 08:26:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 65.770 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 60.472 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 65.648 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 65.890 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

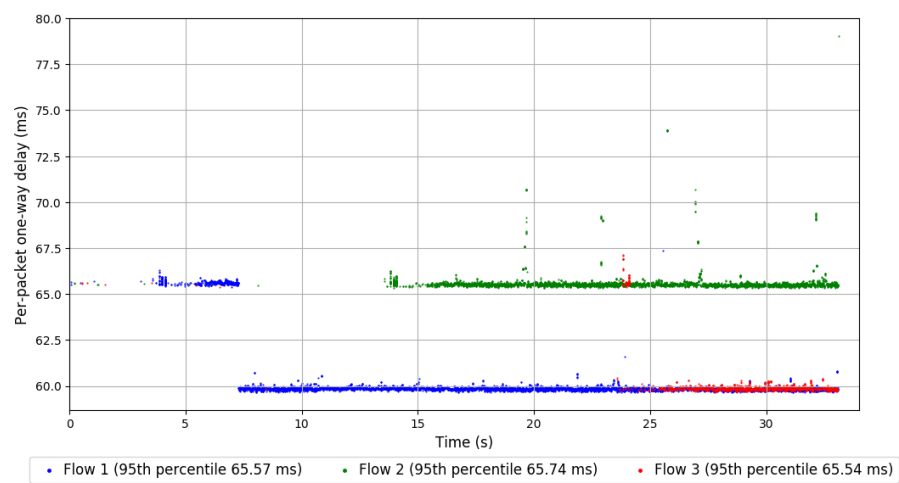
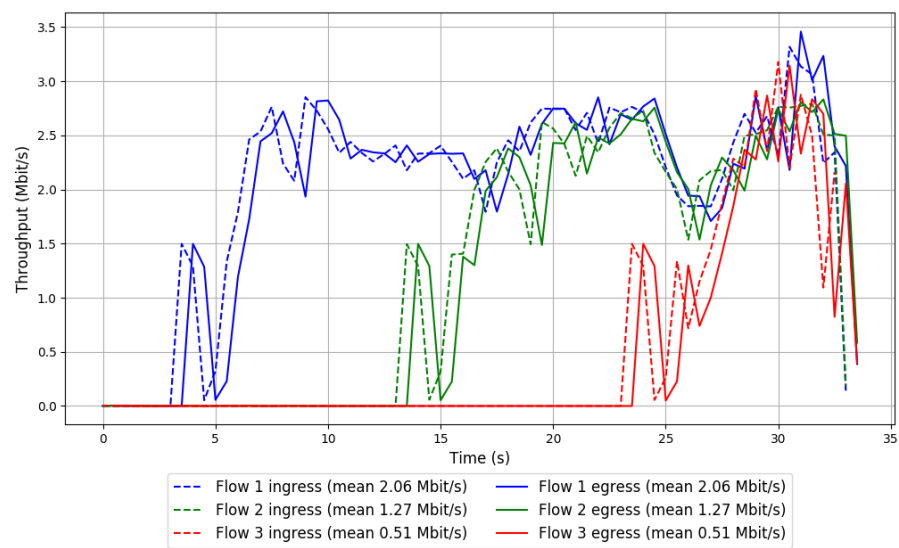


Run 9: Statistics of WebRTC media

Start at: 2018-07-11 05:26:44
End at: 2018-07-11 05:27:14
Local clock offset: 0.031 ms
Remote clock offset: -1.276 ms

Below is generated by plot.py at 2018-07-11 08:26:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 65.641 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 65.571 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 65.737 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 65.540 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-11 05:50:56
End at: 2018-07-11 05:51:26
Local clock offset: -0.017 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-07-11 08:26:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 66.724 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 61.219 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 66.768 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 66.753 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

