

Pantheon Report

Generated at 2018-07-19 10:55:26 (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.

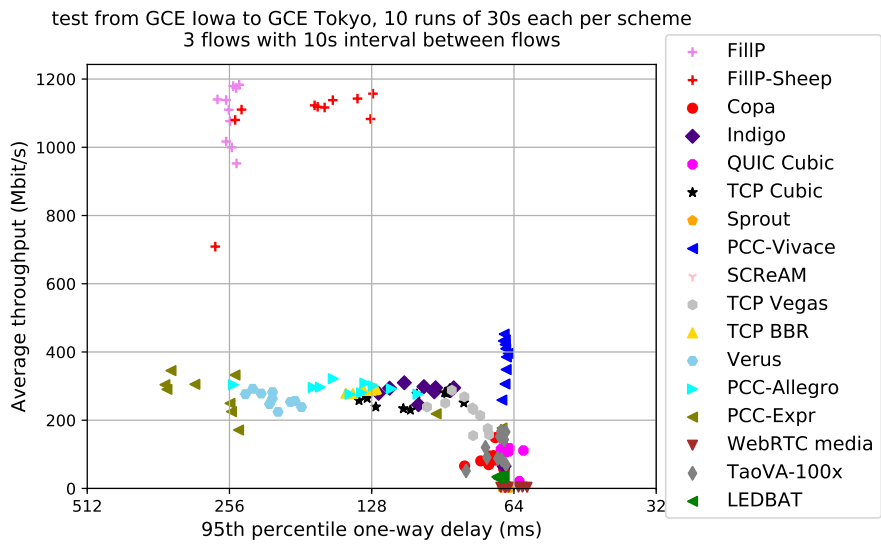
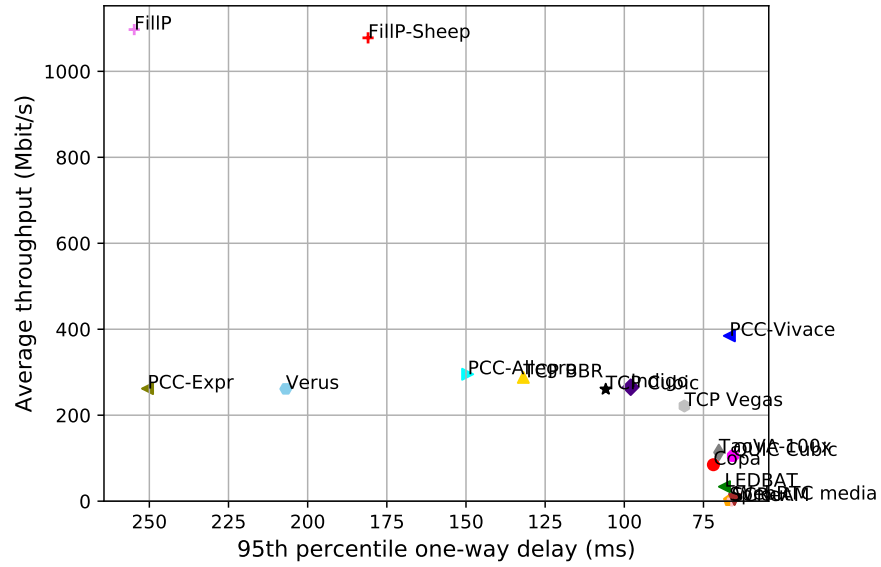
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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	153.53	143.47	117.40	127.43	131.82	138.24	0.11	0.19	0.43
Copa	10	44.59	41.04	39.67	70.19	73.54	71.89	0.01	0.01	0.03
TCP Cubic	10	168.08	106.44	64.85	102.41	107.69	109.17	0.12	0.19	0.41
FillP	10	585.30	559.42	421.62	255.85	258.73	247.72	0.31	0.98	1.39
FillP-Sheep	10	519.83	569.69	538.07	194.35	154.47	135.54	0.17	0.17	0.17
Indigo	10	158.10	118.89	86.74	92.46	99.69	105.63	0.03	0.08	0.17
LEDBAT	10	21.66	14.41	7.39	68.38	68.14	67.34	0.05	0.01	0.00
PCC-Allegro	10	252.65	46.48	35.58	149.52	147.34	131.97	0.44	0.27	0.58
PCC-Expr	10	186.78	103.81	18.48	251.12	212.36	214.15	9.05	7.26	11.69
QUIC Cubic	10	55.14	52.66	46.88	64.54	65.67	67.54	0.01	0.01	0.02
SCReAM	10	0.22	0.22	0.22	65.60	63.89	63.78	0.01	0.00	0.07
Sprout	10	0.72	0.74	0.69	66.86	66.76	66.19	0.00	0.00	0.00
TaoVA-100x	10	50.75	60.75	69.95	71.06	68.91	71.09	0.00	0.01	0.01
TCP Vegas	10	130.14	104.21	66.13	79.39	81.16	77.47	0.05	0.02	0.13
Verus	10	167.95	110.78	61.17	192.87	213.20	219.66	0.94	1.48	2.33
PCC-Vivace	10	217.67	188.44	126.04	65.85	65.43	66.00	0.02	0.01	0.03
WebRTC media	10	1.98	1.35	0.53	64.11	65.20	65.74	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-19 04:26:16

End at: 2018-07-19 04:26:46

Local clock offset: -0.061 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-19 08:40:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 279.17 Mbit/s

95th percentile per-packet one-way delay: 145.191 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 151.31 Mbit/s

95th percentile per-packet one-way delay: 138.438 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 139.03 Mbit/s

95th percentile per-packet one-way delay: 145.066 ms

Loss rate: 0.30%

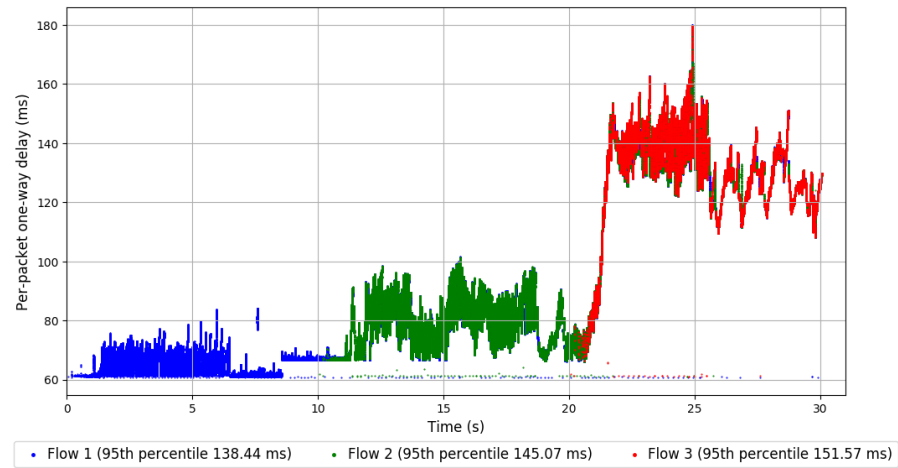
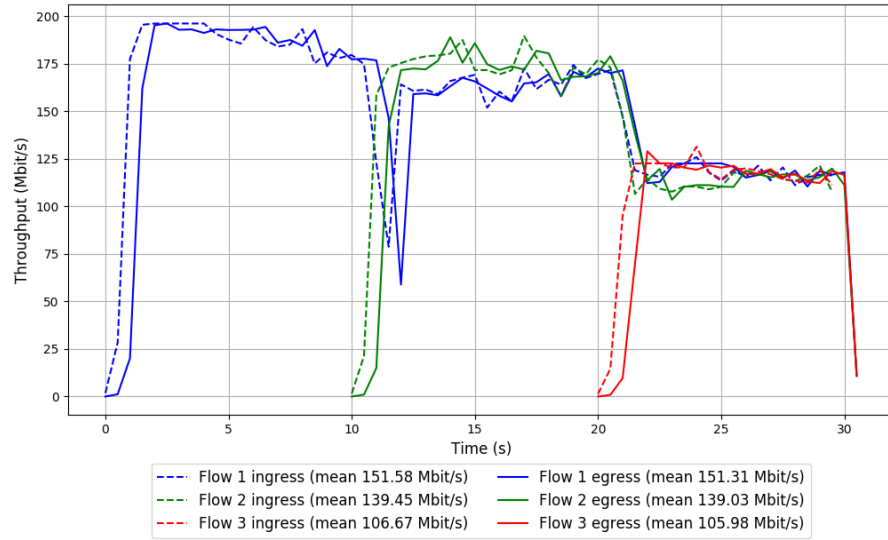
-- Flow 3:

Average throughput: 105.98 Mbit/s

95th percentile per-packet one-way delay: 151.571 ms

Loss rate: 0.63%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-19 04:49:47

End at: 2018-07-19 04:50:17

Local clock offset: -0.013 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-19 08:40:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 278.25 Mbit/s

95th percentile per-packet one-way delay: 140.331 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 150.44 Mbit/s

95th percentile per-packet one-way delay: 135.982 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 137.04 Mbit/s

95th percentile per-packet one-way delay: 140.949 ms

Loss rate: 0.03%

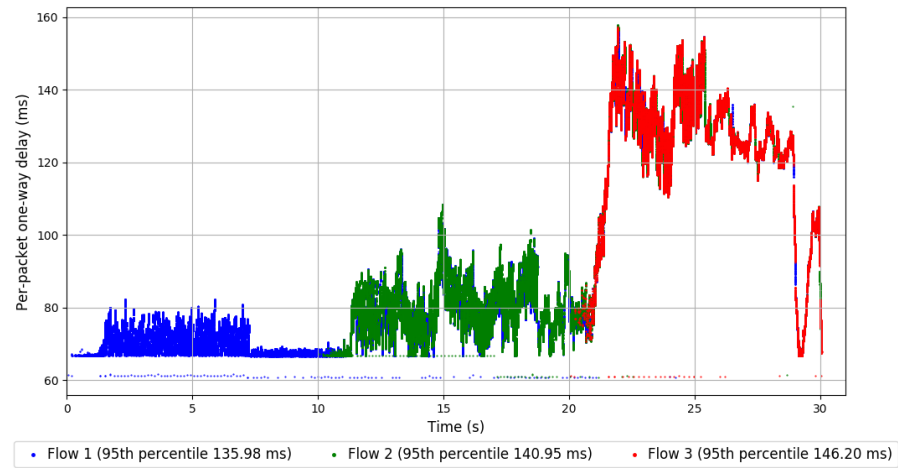
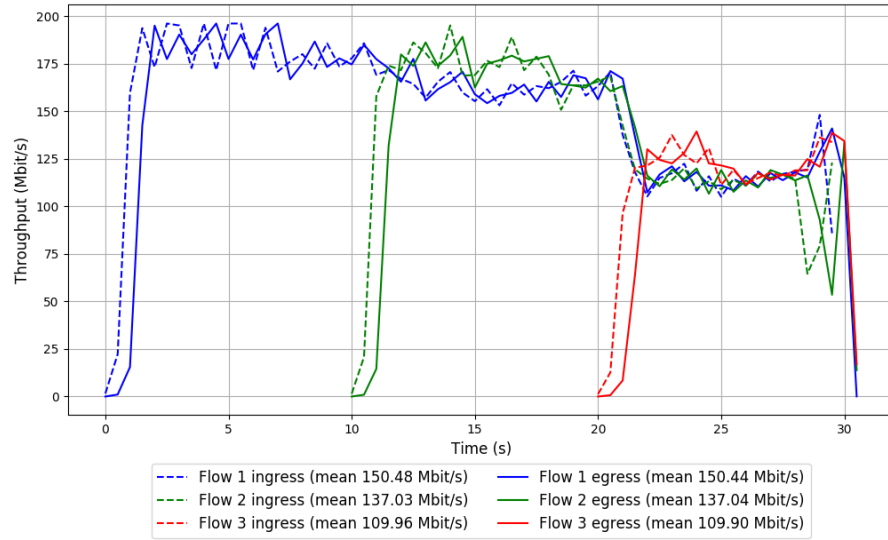
-- Flow 3:

Average throughput: 109.90 Mbit/s

95th percentile per-packet one-way delay: 146.201 ms

Loss rate: 0.04%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-19 05:13:45

End at: 2018-07-19 05:14:15

Local clock offset: 0.01 ms

Remote clock offset: 0.205 ms

Below is generated by plot.py at 2018-07-19 08:40:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 289.49 Mbit/s

95th percentile per-packet one-way delay: 126.388 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 154.60 Mbit/s

95th percentile per-packet one-way delay: 122.439 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 143.52 Mbit/s

95th percentile per-packet one-way delay: 125.908 ms

Loss rate: 0.08%

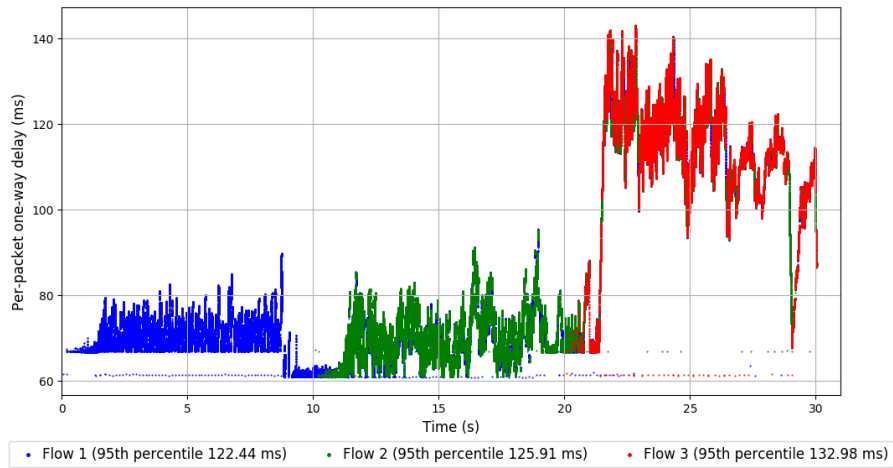
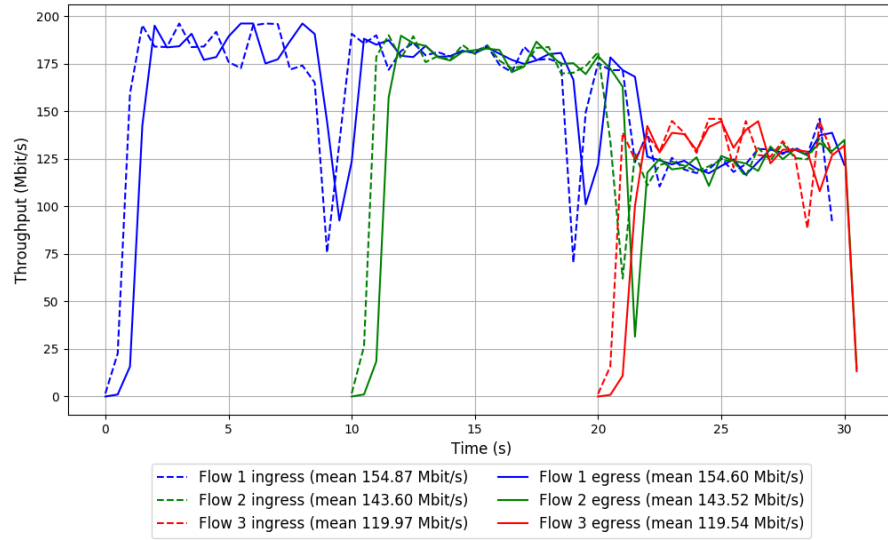
-- Flow 3:

Average throughput: 119.54 Mbit/s

95th percentile per-packet one-way delay: 132.980 ms

Loss rate: 0.33%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-19 05:37:26

End at: 2018-07-19 05:37:56

Local clock offset: 0.005 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-19 08:40:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 288.63 Mbit/s

95th percentile per-packet one-way delay: 134.389 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 155.81 Mbit/s

95th percentile per-packet one-way delay: 130.440 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 141.68 Mbit/s

95th percentile per-packet one-way delay: 134.980 ms

Loss rate: 0.19%

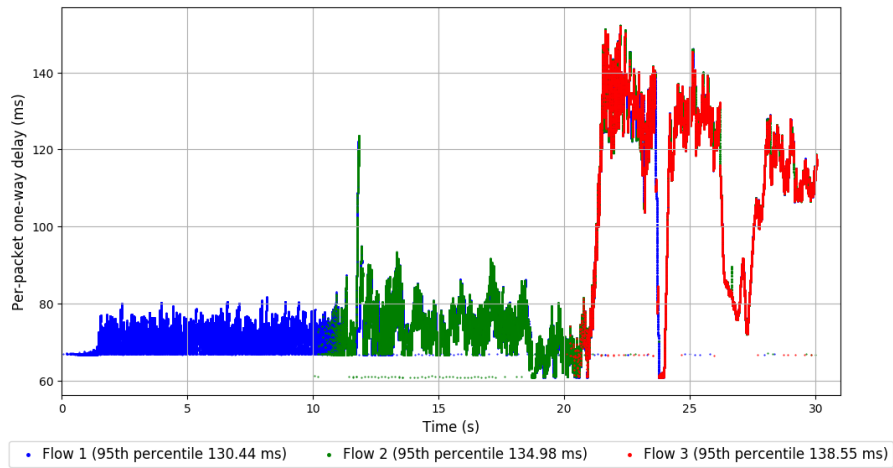
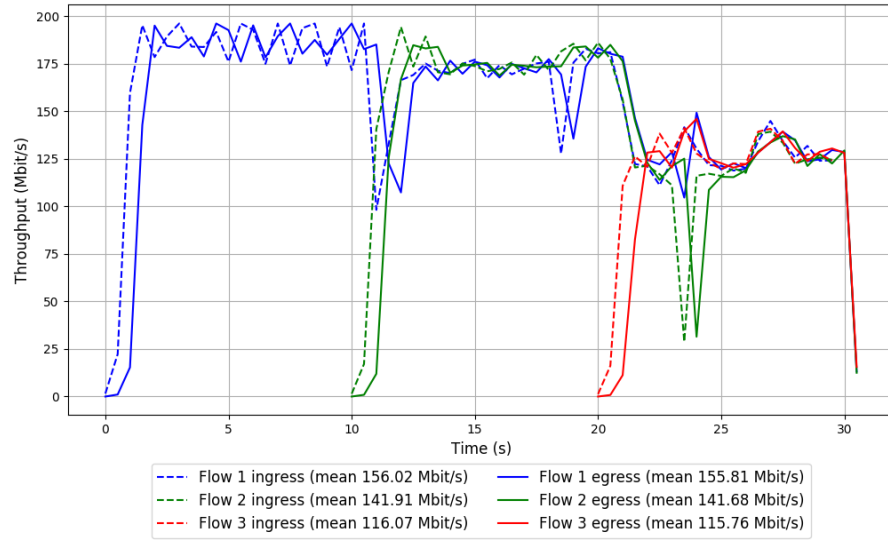
-- Flow 3:

Average throughput: 115.76 Mbit/s

95th percentile per-packet one-way delay: 138.552 ms

Loss rate: 0.31%

Run 4: Report of TCP BBR — Data Link

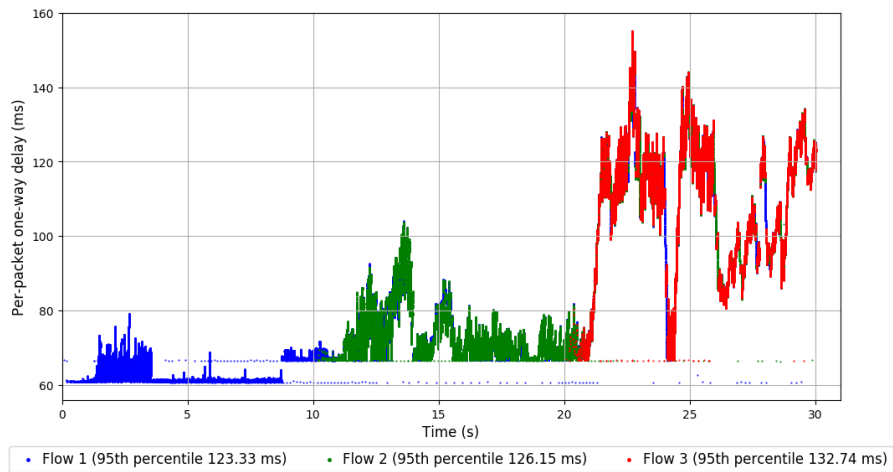
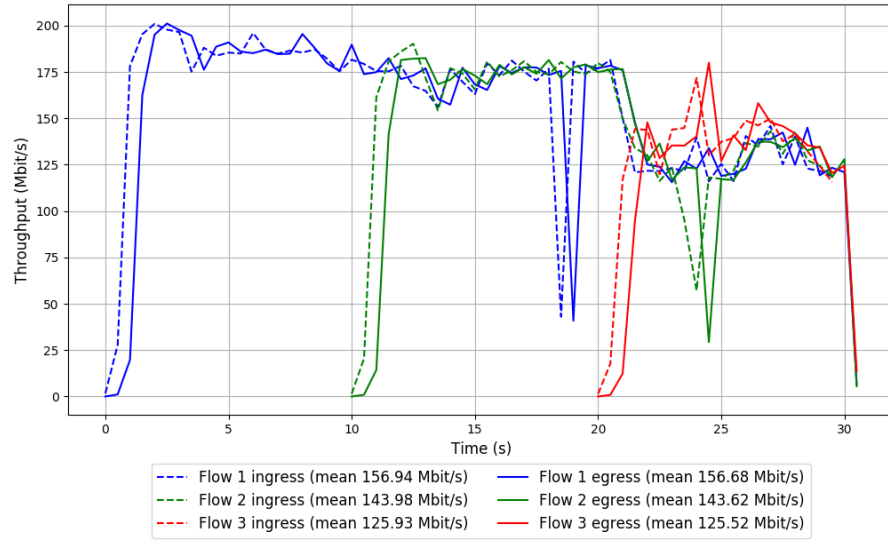


Run 5: Statistics of TCP BBR

Start at: 2018-07-19 06:01:56
End at: 2018-07-19 06:02:26
Local clock offset: 0.003 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-07-19 08:40:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 294.00 Mbit/s
95th percentile per-packet one-way delay: 126.316 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 156.68 Mbit/s
95th percentile per-packet one-way delay: 123.332 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 143.62 Mbit/s
95th percentile per-packet one-way delay: 126.152 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 125.52 Mbit/s
95th percentile per-packet one-way delay: 132.735 ms
Loss rate: 0.38%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-19 06:26:04

End at: 2018-07-19 06:26:34

Local clock offset: 0.013 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-07-19 08:40:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 292.31 Mbit/s

95th percentile per-packet one-way delay: 125.183 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 154.38 Mbit/s

95th percentile per-packet one-way delay: 119.031 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 144.56 Mbit/s

95th percentile per-packet one-way delay: 125.863 ms

Loss rate: 0.21%

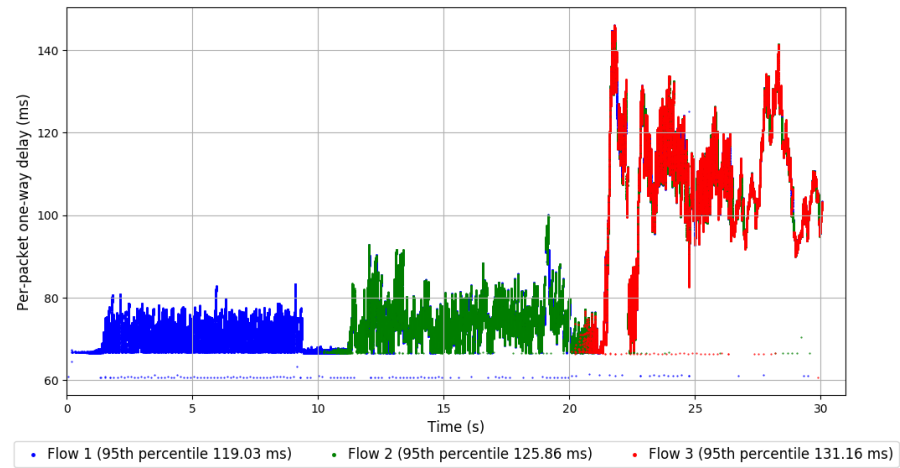
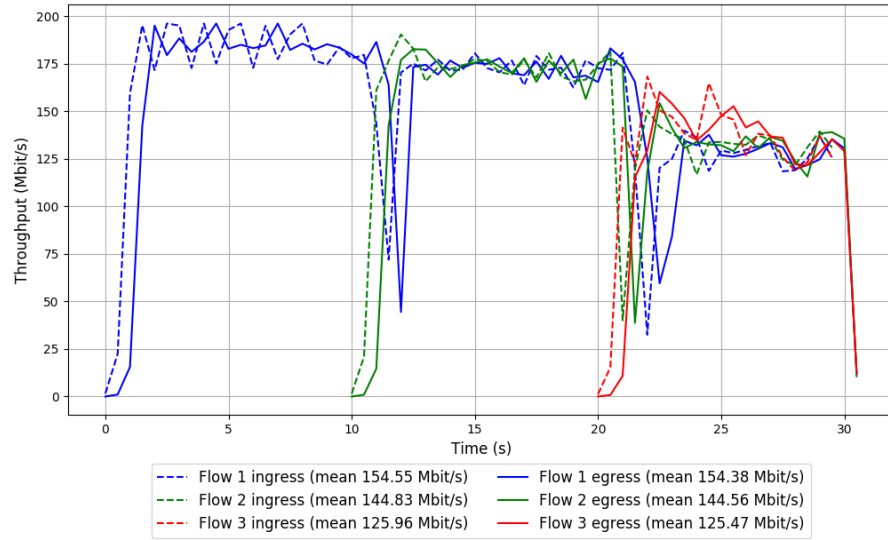
-- Flow 3:

Average throughput: 125.47 Mbit/s

95th percentile per-packet one-way delay: 131.156 ms

Loss rate: 0.45%

Run 6: Report of TCP BBR — Data Link

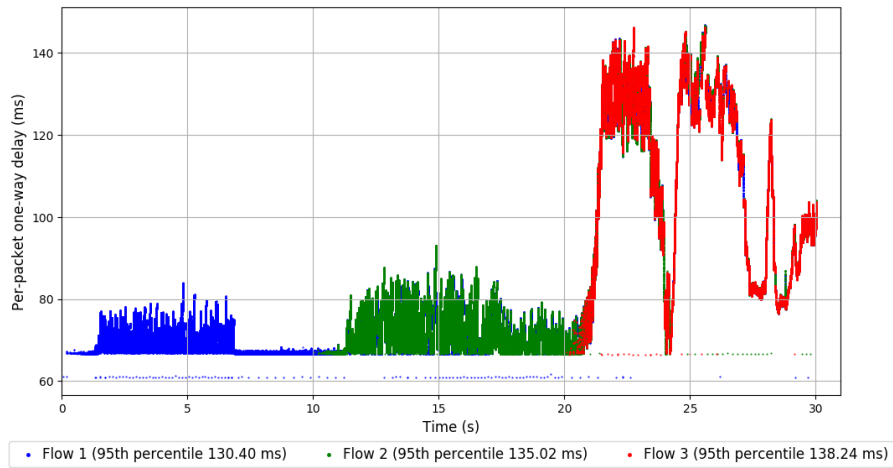
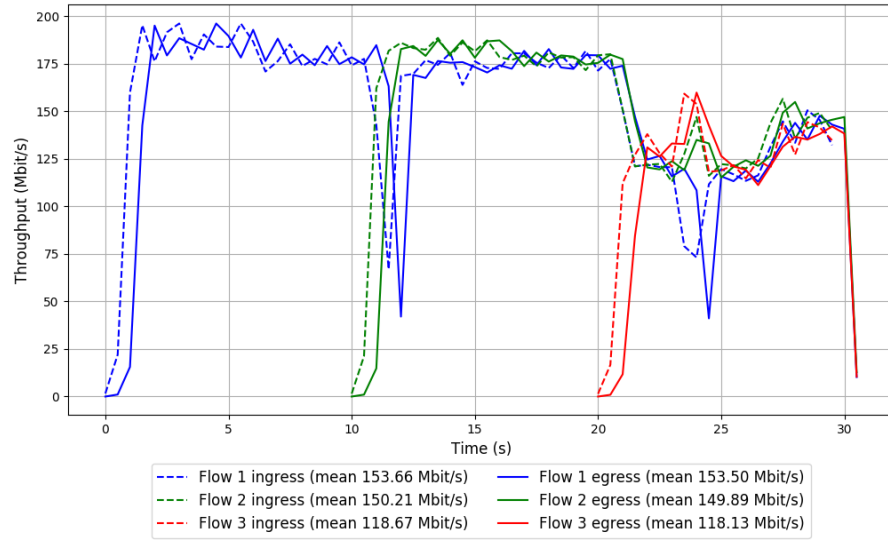


Run 7: Statistics of TCP BBR

Start at: 2018-07-19 06:49:58
End at: 2018-07-19 06:50:28
Local clock offset: -0.044 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-19 08:40:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 292.58 Mbit/s
95th percentile per-packet one-way delay: 134.171 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 153.50 Mbit/s
95th percentile per-packet one-way delay: 130.398 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 149.89 Mbit/s
95th percentile per-packet one-way delay: 135.016 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 118.13 Mbit/s
95th percentile per-packet one-way delay: 138.237 ms
Loss rate: 0.55%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-19 07:13:38

End at: 2018-07-19 07:14:08

Local clock offset: 0.022 ms

Remote clock offset: 0.148 ms

Below is generated by plot.py at 2018-07-19 08:40:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 291.17 Mbit/s

95th percentile per-packet one-way delay: 125.465 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 154.37 Mbit/s

95th percentile per-packet one-way delay: 121.566 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 149.31 Mbit/s

95th percentile per-packet one-way delay: 123.285 ms

Loss rate: 0.24%

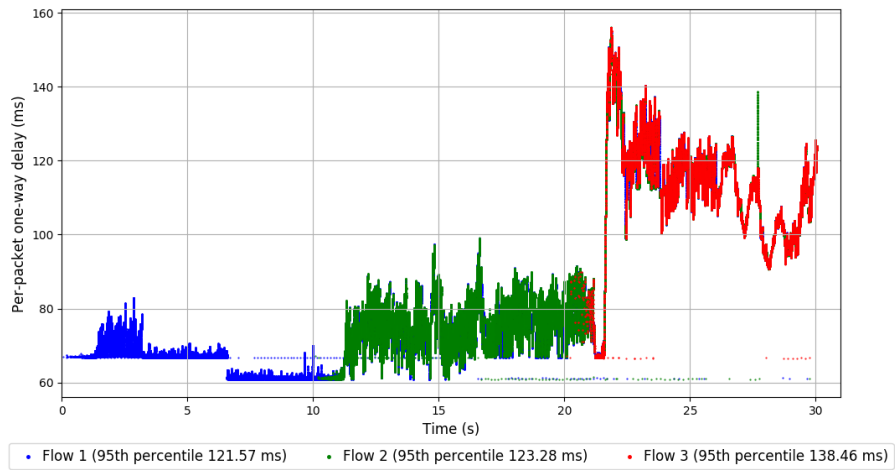
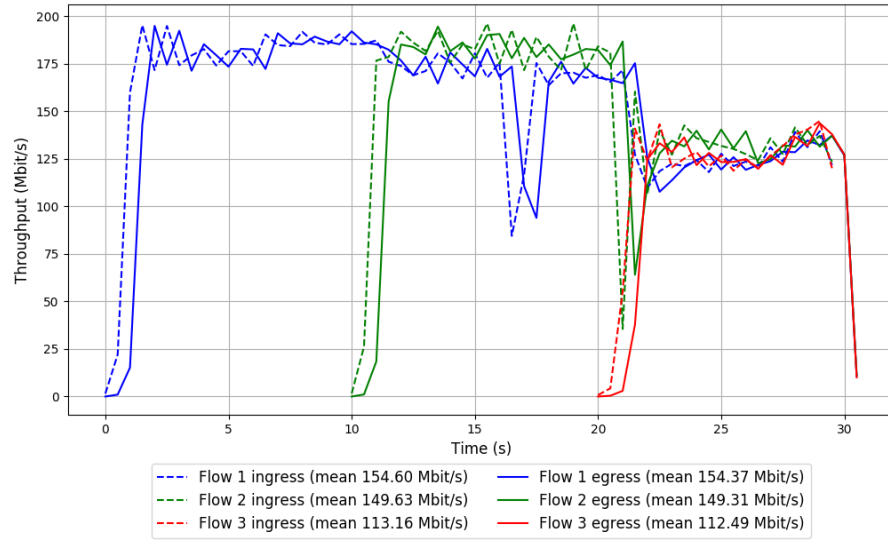
-- Flow 3:

Average throughput: 112.49 Mbit/s

95th percentile per-packet one-way delay: 138.461 ms

Loss rate: 0.64%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-19 07:37:30

End at: 2018-07-19 07:38:00

Local clock offset: -0.048 ms

Remote clock offset: 1.064 ms

Below is generated by plot.py at 2018-07-19 08:45:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 287.26 Mbit/s

95th percentile per-packet one-way delay: 133.059 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 152.86 Mbit/s

95th percentile per-packet one-way delay: 127.863 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 140.89 Mbit/s

95th percentile per-packet one-way delay: 132.689 ms

Loss rate: 0.23%

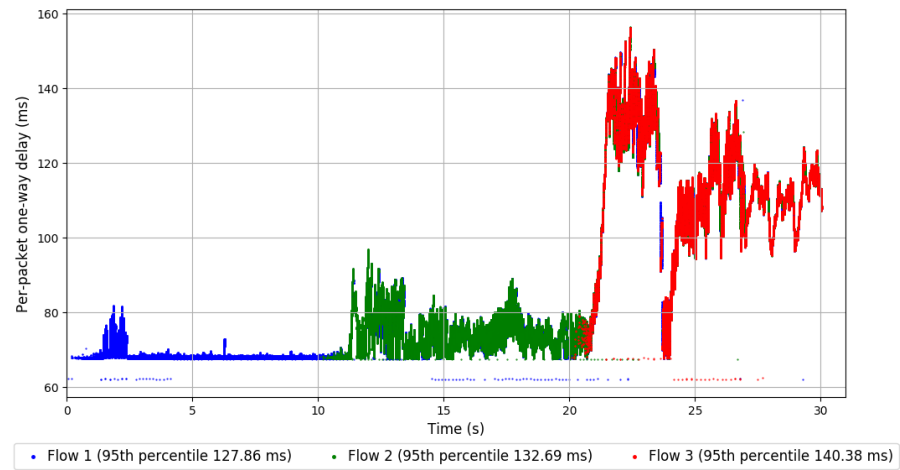
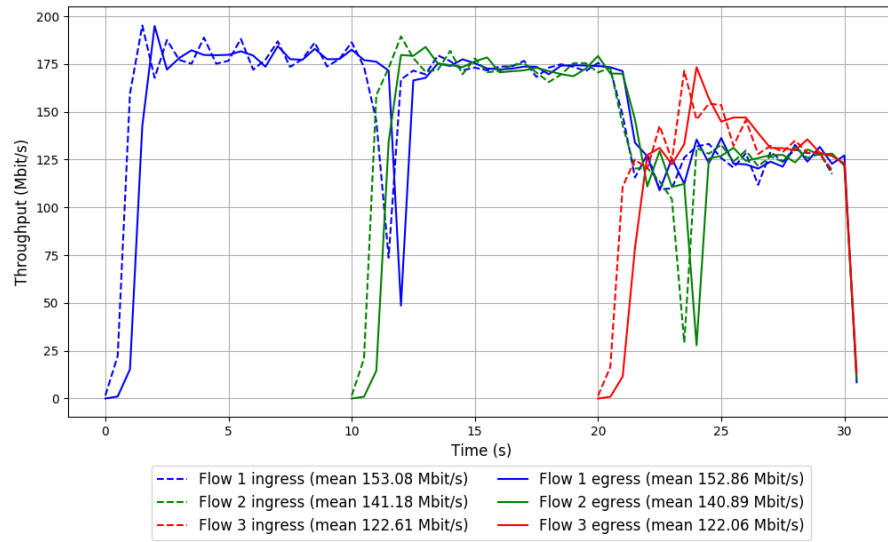
-- Flow 3:

Average throughput: 122.06 Mbit/s

95th percentile per-packet one-way delay: 140.382 ms

Loss rate: 0.51%

Run 9: Report of TCP BBR — Data Link

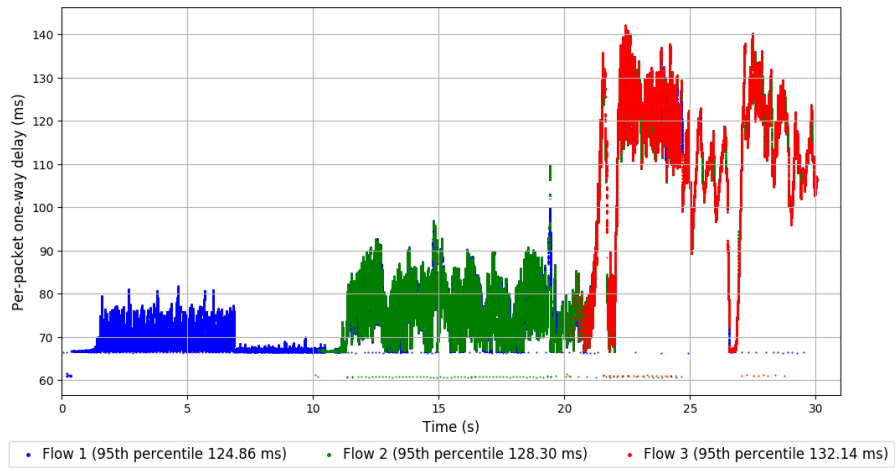
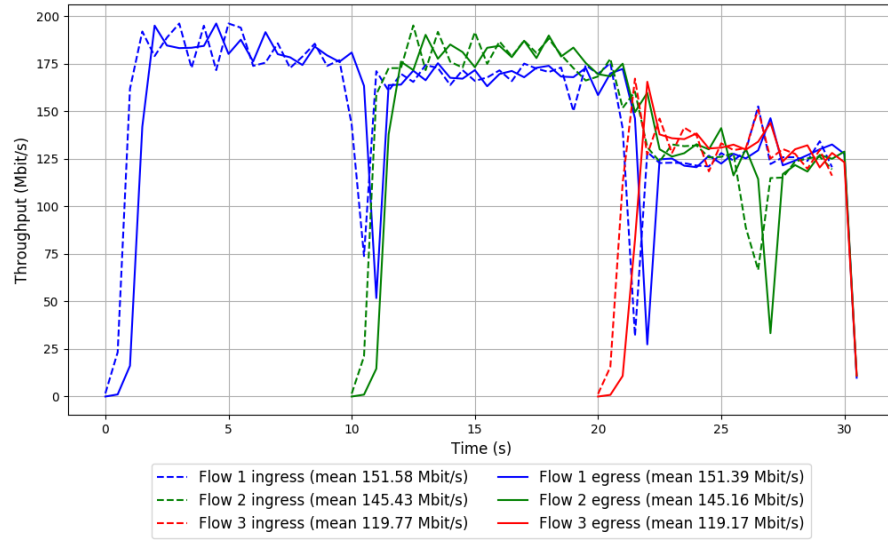


Run 10: Statistics of TCP BBR

Start at: 2018-07-19 08:01:24
End at: 2018-07-19 08:01:54
Local clock offset: -0.057 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-19 08:46:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 287.72 Mbit/s
95th percentile per-packet one-way delay: 128.416 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 151.39 Mbit/s
95th percentile per-packet one-way delay: 124.860 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 145.16 Mbit/s
95th percentile per-packet one-way delay: 128.300 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 119.17 Mbit/s
95th percentile per-packet one-way delay: 132.136 ms
Loss rate: 0.44%

Run 10: Report of TCP BBR — Data Link

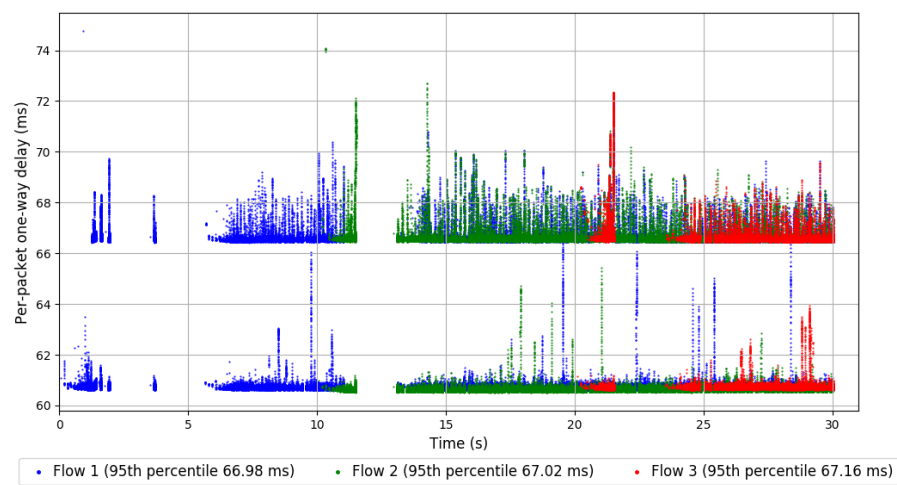
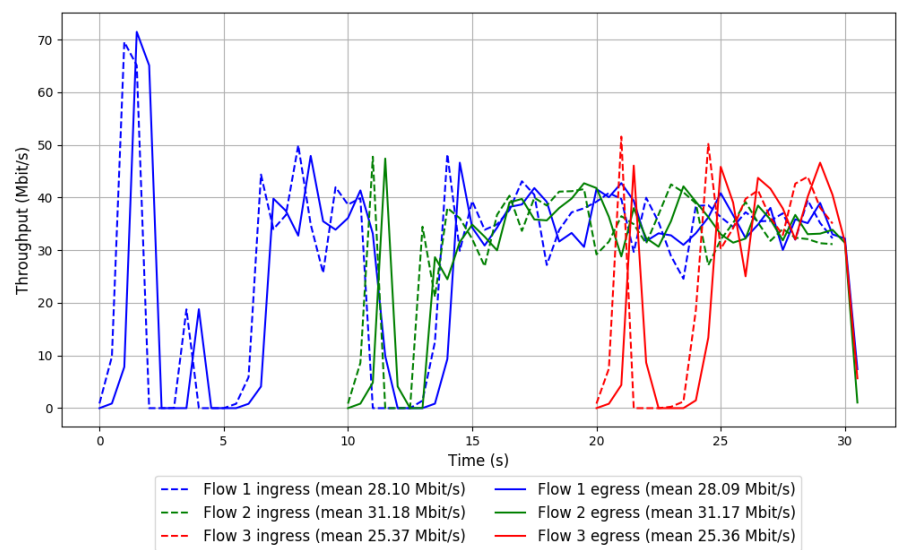


Run 1: Statistics of Copa

Start at: 2018-07-19 04:43:13
End at: 2018-07-19 04:43:43
Local clock offset: -0.065 ms
Remote clock offset: -0.222 ms

Below is generated by plot.py at 2018-07-19 08:46:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.24 Mbit/s
95th percentile per-packet one-way delay: 67.018 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 28.09 Mbit/s
95th percentile per-packet one-way delay: 66.982 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 31.17 Mbit/s
95th percentile per-packet one-way delay: 67.018 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.36 Mbit/s
95th percentile per-packet one-way delay: 67.156 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

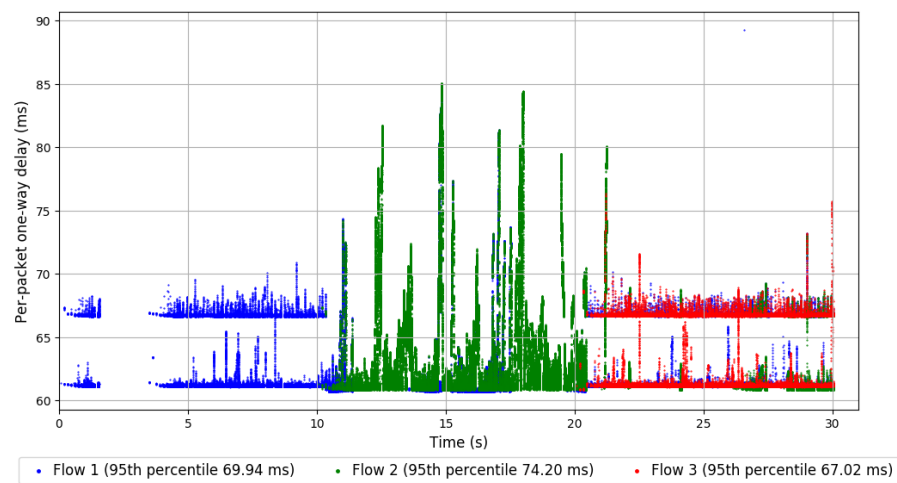
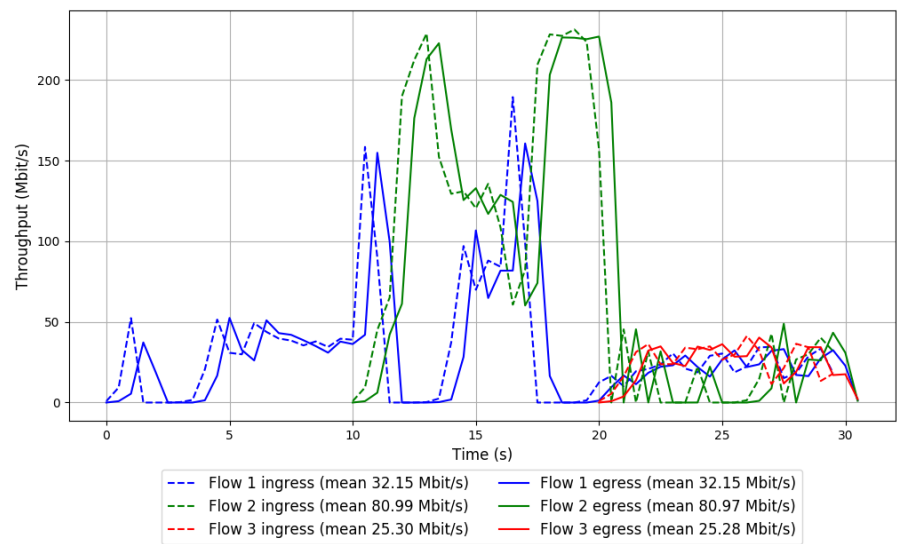


Run 2: Statistics of Copa

Start at: 2018-07-19 05:07:04
End at: 2018-07-19 05:07:34
Local clock offset: -0.018 ms
Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-19 08:46:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.48 Mbit/s
95th percentile per-packet one-way delay: 72.122 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 32.15 Mbit/s
95th percentile per-packet one-way delay: 69.935 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 80.97 Mbit/s
95th percentile per-packet one-way delay: 74.196 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 25.28 Mbit/s
95th percentile per-packet one-way delay: 67.018 ms
Loss rate: 0.07%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-19 05:30:49

End at: 2018-07-19 05:31:20

Local clock offset: -0.008 ms

Remote clock offset: 0.356 ms

Below is generated by plot.py at 2018-07-19 08:46:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.42 Mbit/s

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

Loss rate: 0.06%

-- Flow 1:

Average throughput: 28.41 Mbit/s

95th percentile per-packet one-way delay: 67.434 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 34.39 Mbit/s

95th percentile per-packet one-way delay: 67.253 ms

Loss rate: 0.04%

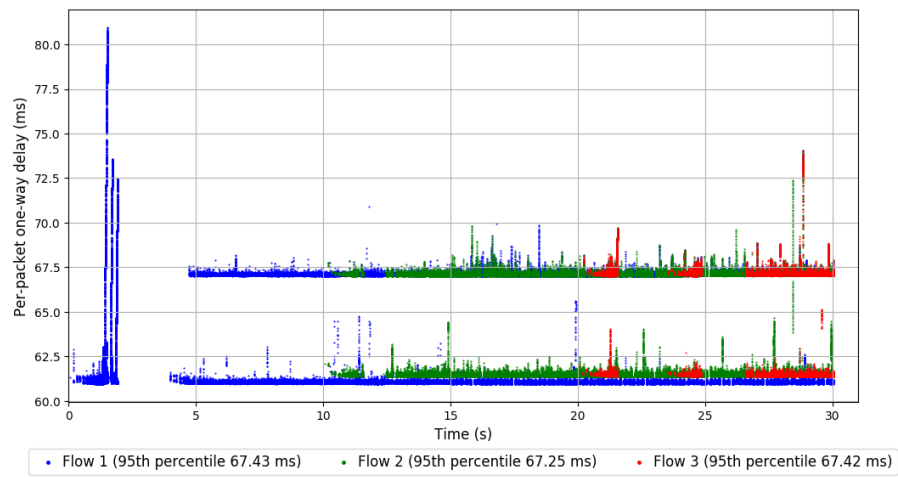
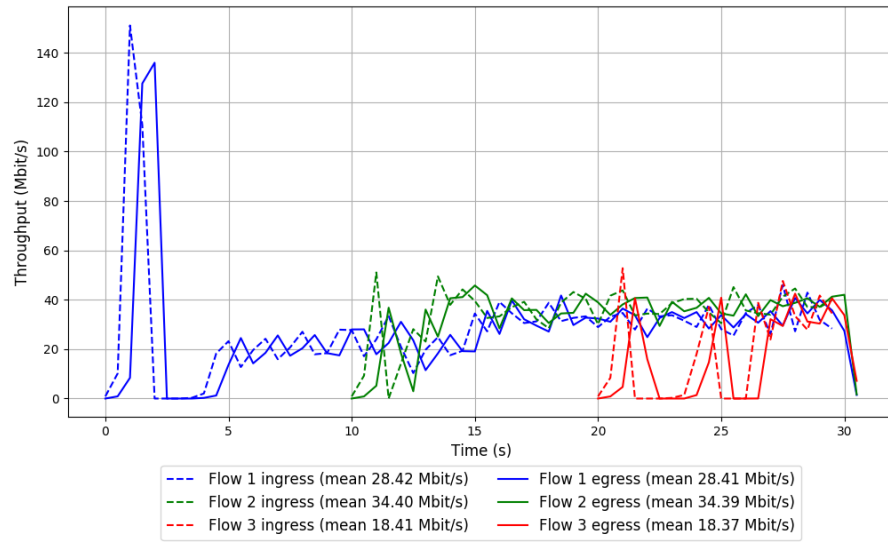
-- Flow 3:

Average throughput: 18.37 Mbit/s

95th percentile per-packet one-way delay: 67.422 ms

Loss rate: 0.21%

Run 3: Report of Copa — Data Link

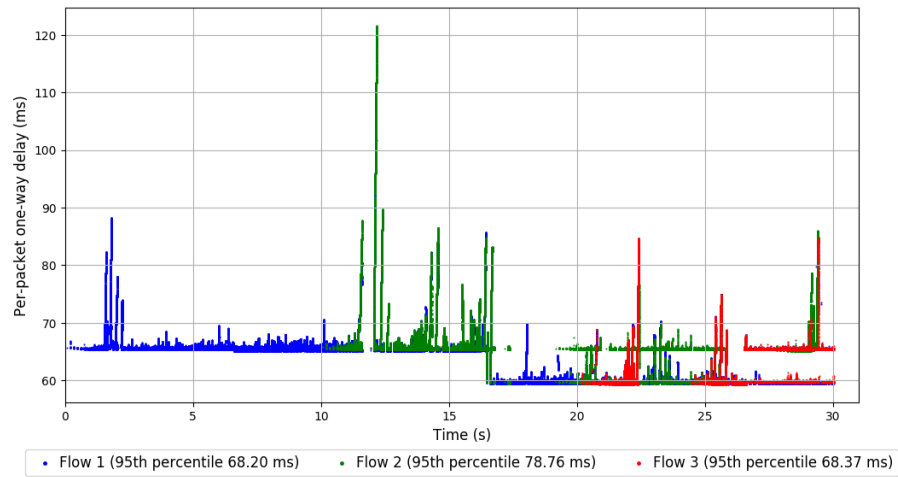
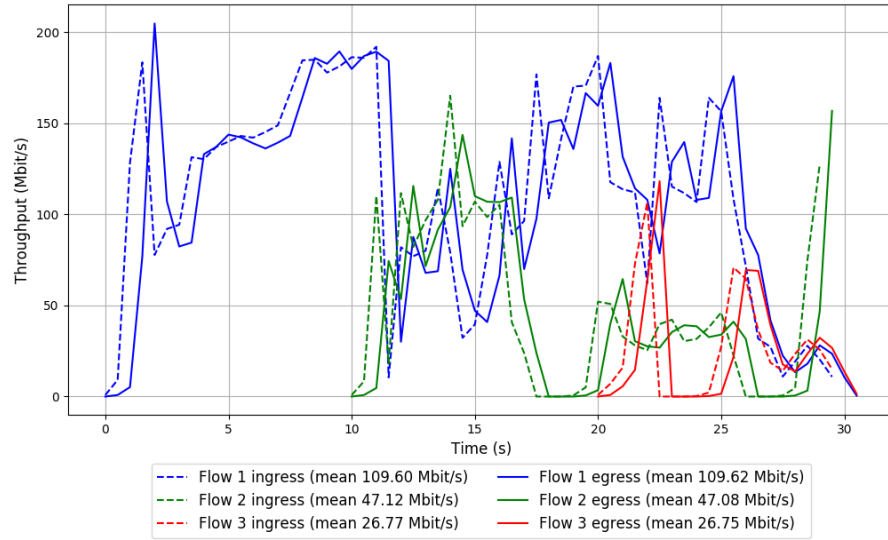


Run 4: Statistics of Copa

Start at: 2018-07-19 05:55:08
End at: 2018-07-19 05:55:38
Local clock offset: -0.02 ms
Remote clock offset: -1.324 ms

Below is generated by plot.py at 2018-07-19 08:46:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 148.90 Mbit/s
95th percentile per-packet one-way delay: 70.122 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 109.62 Mbit/s
95th percentile per-packet one-way delay: 68.205 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.08 Mbit/s
95th percentile per-packet one-way delay: 78.758 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.75 Mbit/s
95th percentile per-packet one-way delay: 68.370 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-19 06:19:21

End at: 2018-07-19 06:19:51

Local clock offset: 0.012 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-07-19 08:46:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.11 Mbit/s

95th percentile per-packet one-way delay: 70.740 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 64.63 Mbit/s

95th percentile per-packet one-way delay: 70.993 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 28.77 Mbit/s

95th percentile per-packet one-way delay: 67.273 ms

Loss rate: 0.00%

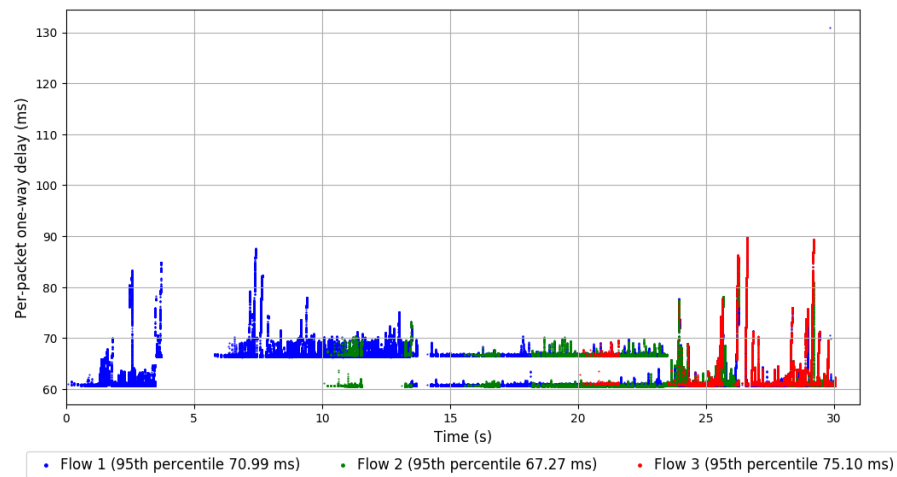
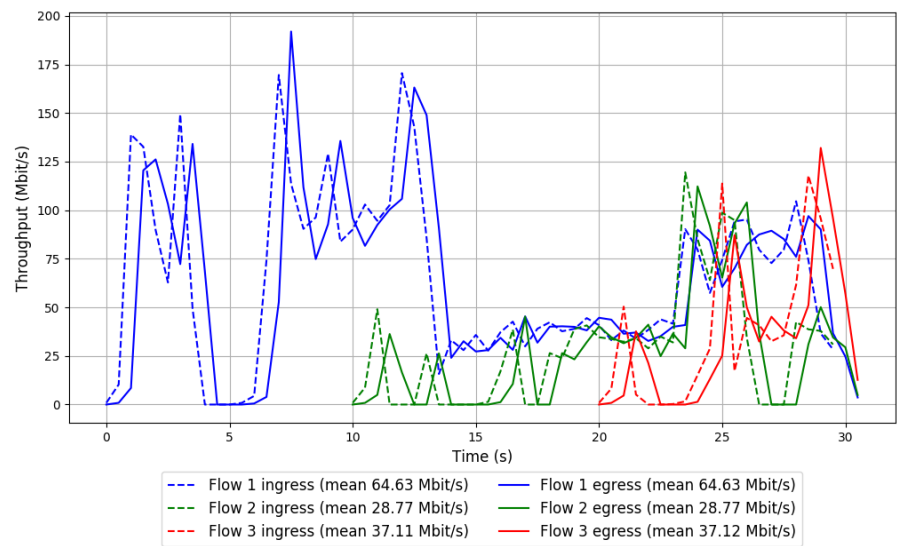
-- Flow 3:

Average throughput: 37.12 Mbit/s

95th percentile per-packet one-way delay: 75.096 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-19 06:43:21

End at: 2018-07-19 06:43:51

Local clock offset: -0.022 ms

Remote clock offset: 1.129 ms

Below is generated by plot.py at 2018-07-19 08:46:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.75 Mbit/s

95th percentile per-packet one-way delay: 81.409 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.23 Mbit/s

95th percentile per-packet one-way delay: 73.326 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 30.87 Mbit/s

95th percentile per-packet one-way delay: 92.838 ms

Loss rate: 0.00%

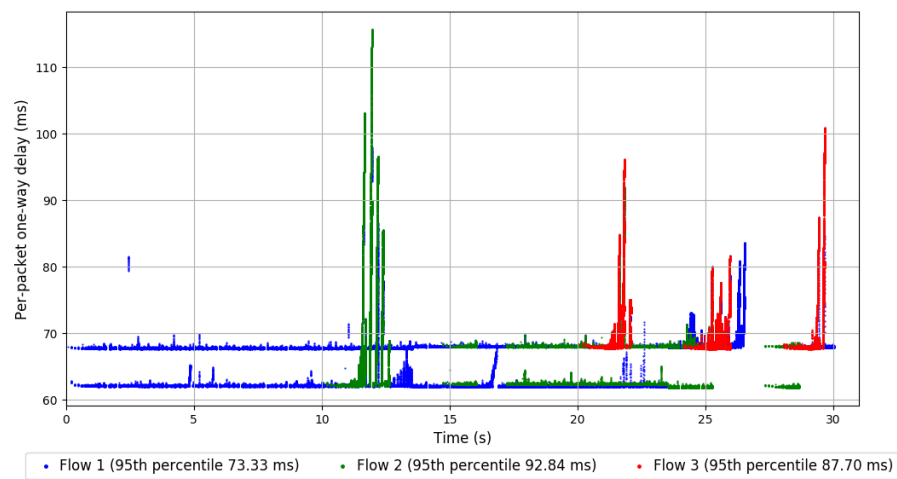
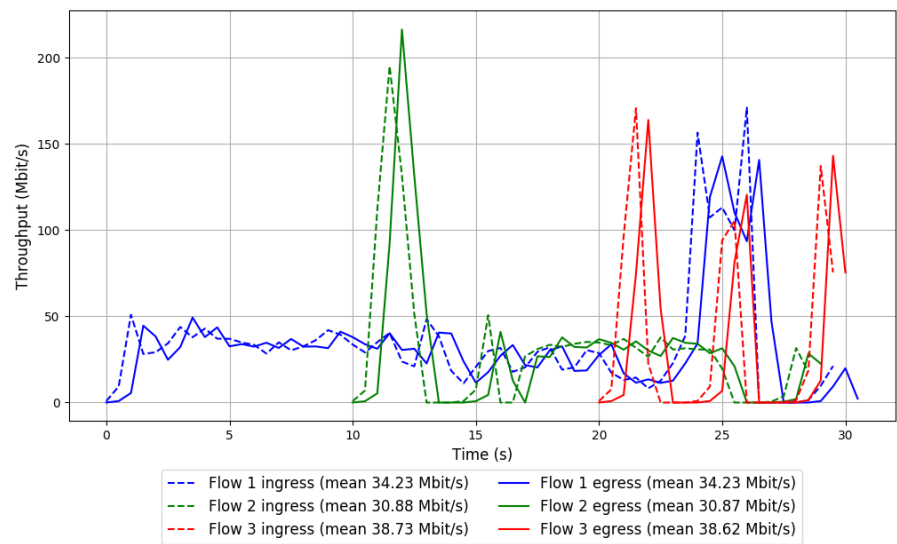
-- Flow 3:

Average throughput: 38.62 Mbit/s

95th percentile per-packet one-way delay: 87.696 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link

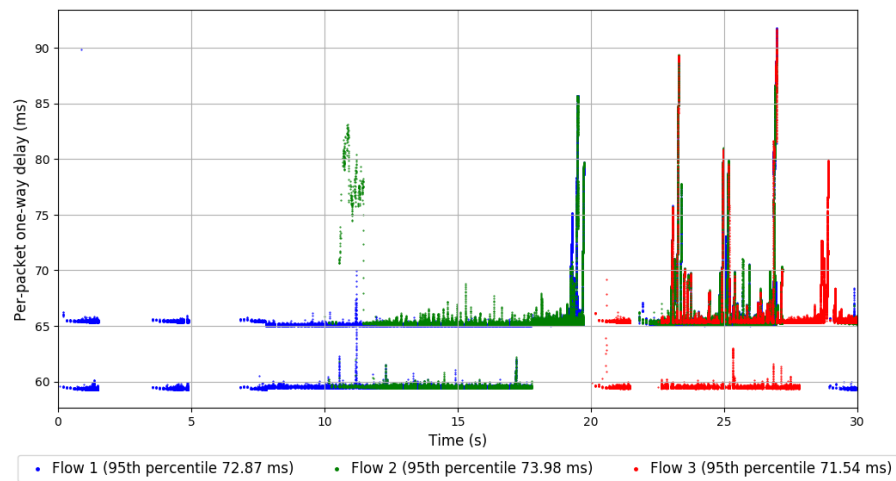
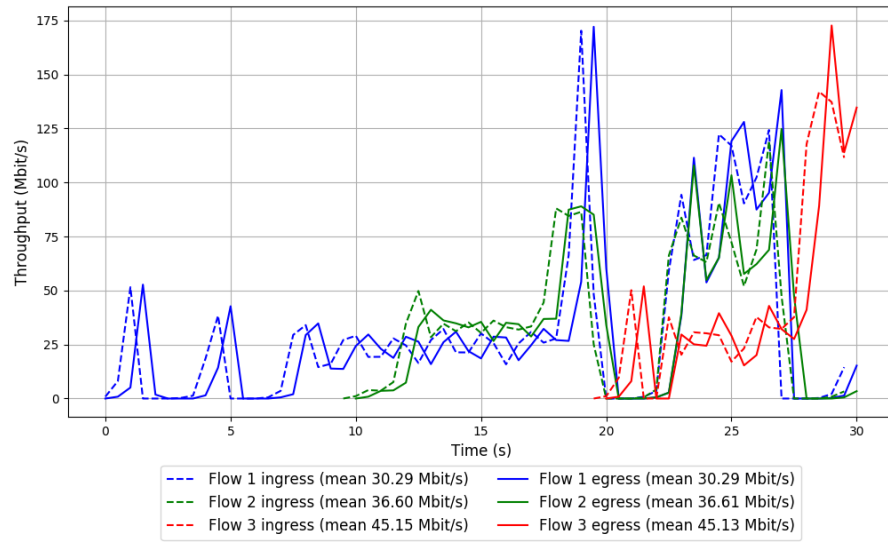


Run 7: Statistics of Copa

Start at: 2018-07-19 07:06:56
End at: 2018-07-19 07:07:26
Local clock offset: -0.013 ms
Remote clock offset: -1.338 ms

Below is generated by plot.py at 2018-07-19 08:46:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.69 Mbit/s
95th percentile per-packet one-way delay: 72.380 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 30.29 Mbit/s
95th percentile per-packet one-way delay: 72.873 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.61 Mbit/s
95th percentile per-packet one-way delay: 73.976 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 45.13 Mbit/s
95th percentile per-packet one-way delay: 71.540 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-19 07:30:48

End at: 2018-07-19 07:31:18

Local clock offset: -0.039 ms

Remote clock offset: 0.155 ms

Below is generated by plot.py at 2018-07-19 08:46:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.28 Mbit/s

95th percentile per-packet one-way delay: 70.065 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 27.87 Mbit/s

95th percentile per-packet one-way delay: 67.157 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 55.53 Mbit/s

95th percentile per-packet one-way delay: 72.811 ms

Loss rate: 0.00%

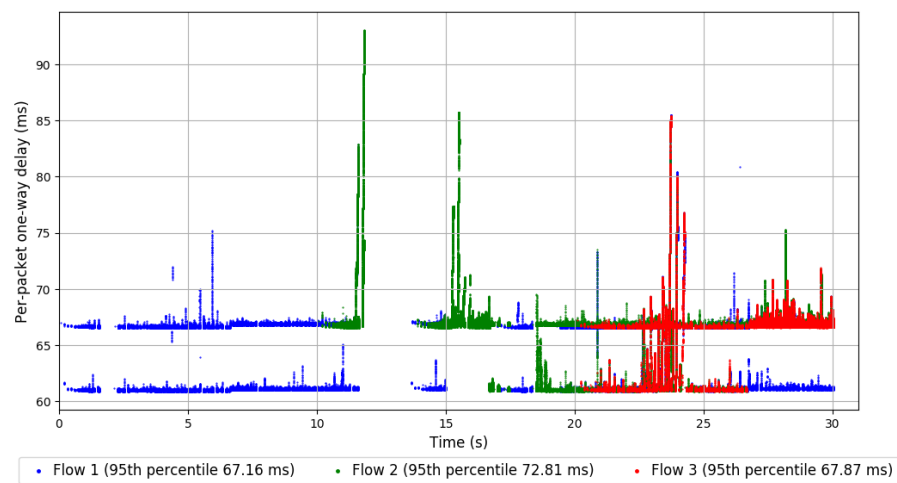
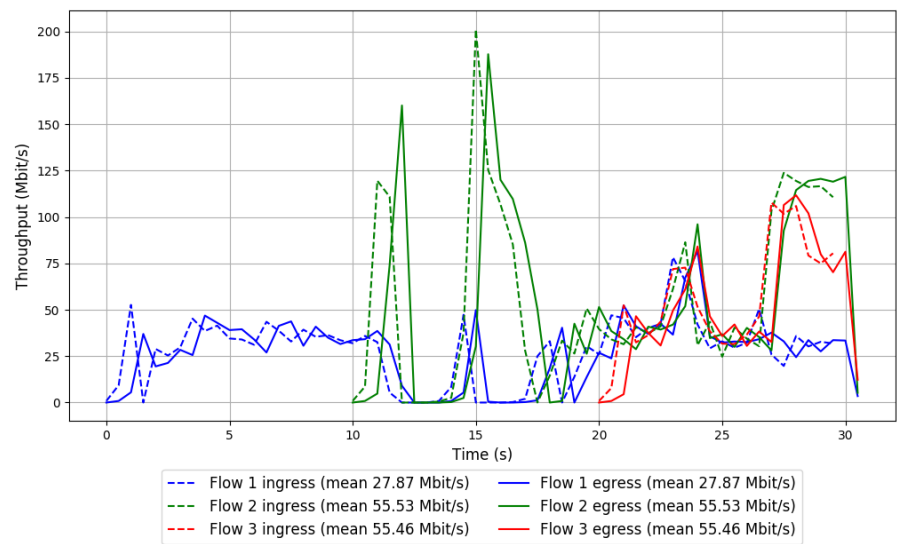
-- Flow 3:

Average throughput: 55.46 Mbit/s

95th percentile per-packet one-way delay: 67.867 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-19 07:54:45

End at: 2018-07-19 07:55:15

Local clock offset: -0.032 ms

Remote clock offset: 0.111 ms

Below is generated by plot.py at 2018-07-19 08:46:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.66 Mbit/s

95th percentile per-packet one-way delay: 75.256 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.34 Mbit/s

95th percentile per-packet one-way delay: 77.388 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.43 Mbit/s

95th percentile per-packet one-way delay: 66.952 ms

Loss rate: 0.00%

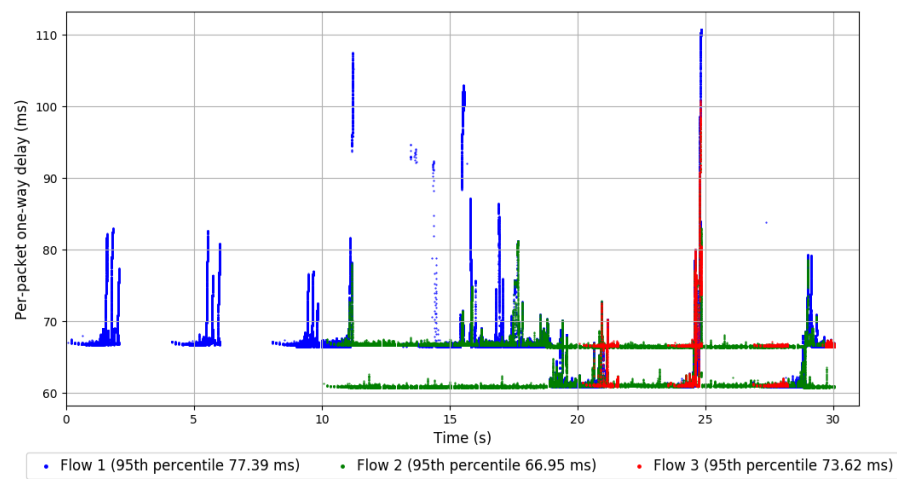
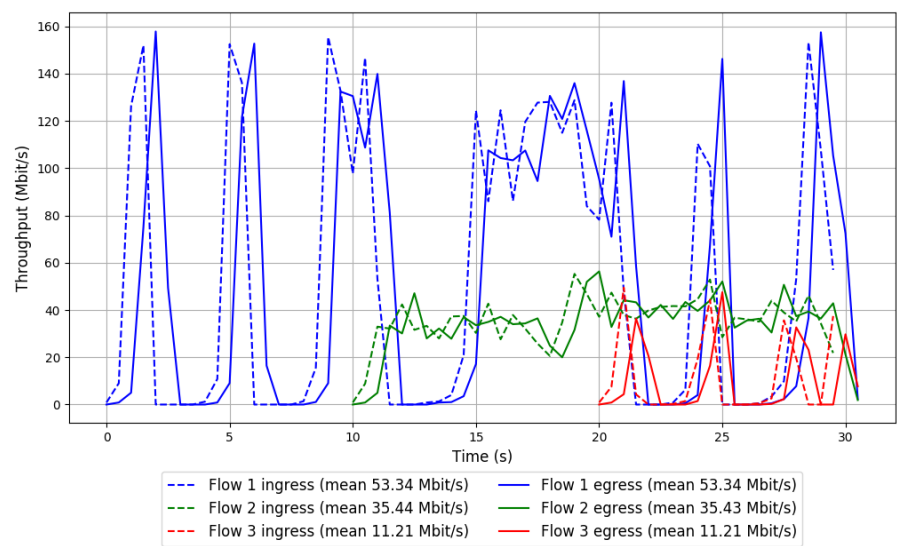
-- Flow 3:

Average throughput: 11.21 Mbit/s

95th percentile per-packet one-way delay: 73.620 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link

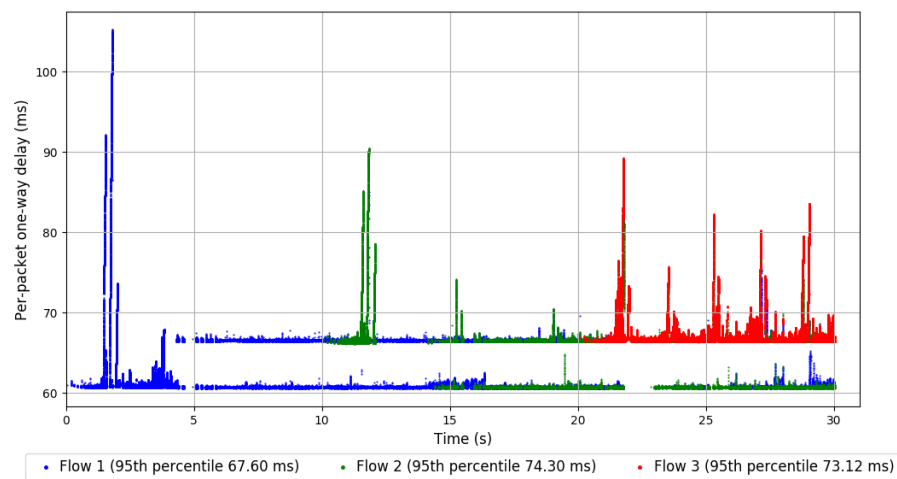
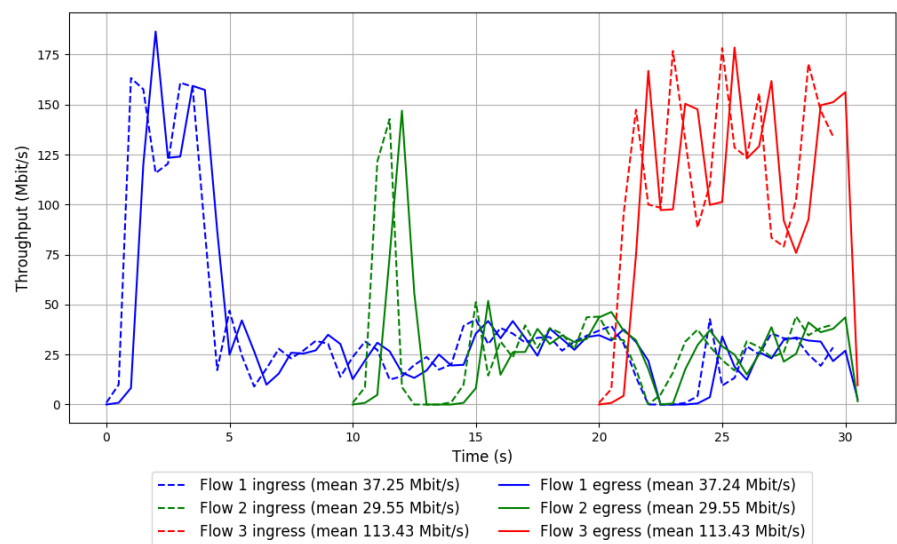


Run 10: Statistics of Copa

Start at: 2018-07-19 08:18:30
End at: 2018-07-19 08:19:00
Local clock offset: -0.079 ms
Remote clock offset: -0.284 ms

Below is generated by plot.py at 2018-07-19 08:47:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.55 Mbit/s
95th percentile per-packet one-way delay: 72.226 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.24 Mbit/s
95th percentile per-packet one-way delay: 67.596 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.55 Mbit/s
95th percentile per-packet one-way delay: 74.295 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 113.43 Mbit/s
95th percentile per-packet one-way delay: 73.122 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

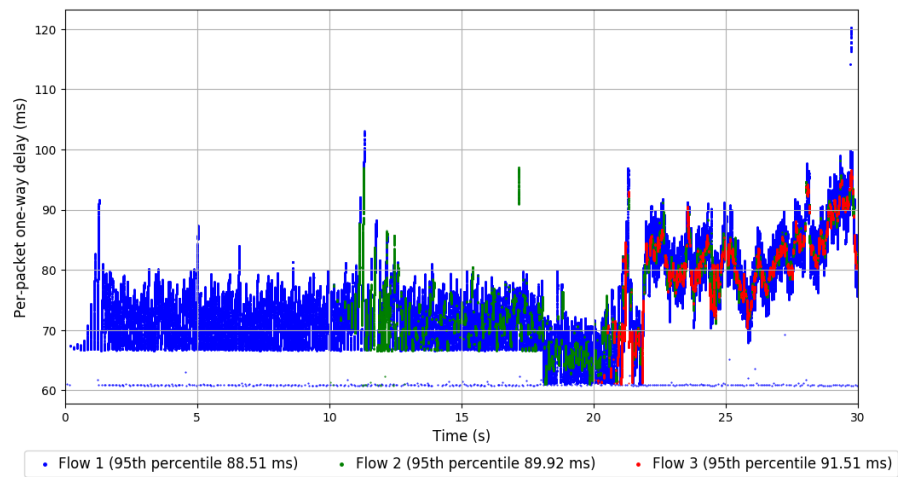
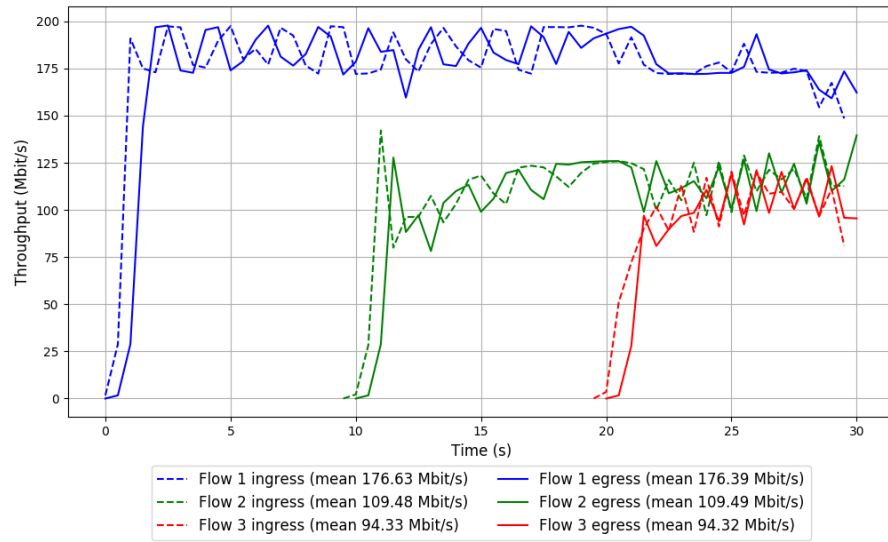


Run 1: Statistics of TCP Cubic

Start at: 2018-07-19 04:21:06
End at: 2018-07-19 04:21:36
Local clock offset: -0.07 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-19 08:50:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 280.68 Mbit/s
95th percentile per-packet one-way delay: 89.674 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 176.39 Mbit/s
95th percentile per-packet one-way delay: 88.512 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 109.49 Mbit/s
95th percentile per-packet one-way delay: 89.923 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 94.32 Mbit/s
95th percentile per-packet one-way delay: 91.511 ms
Loss rate: 0.19%

Run 1: Report of TCP Cubic — Data Link

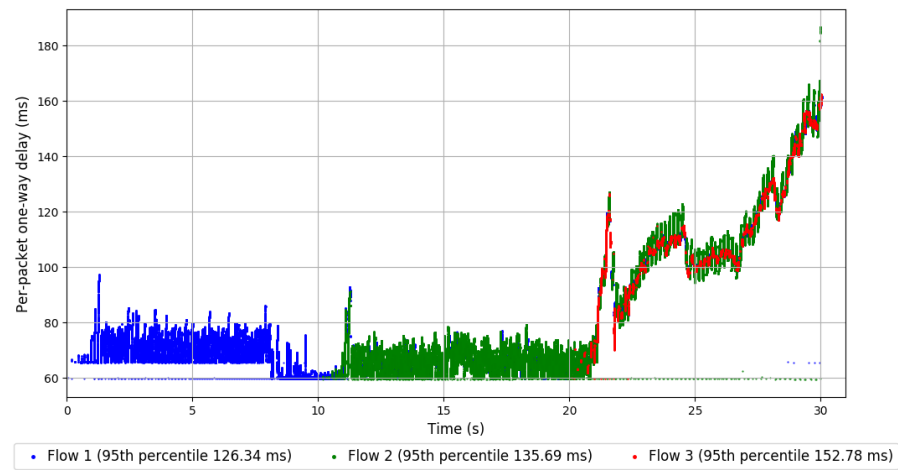
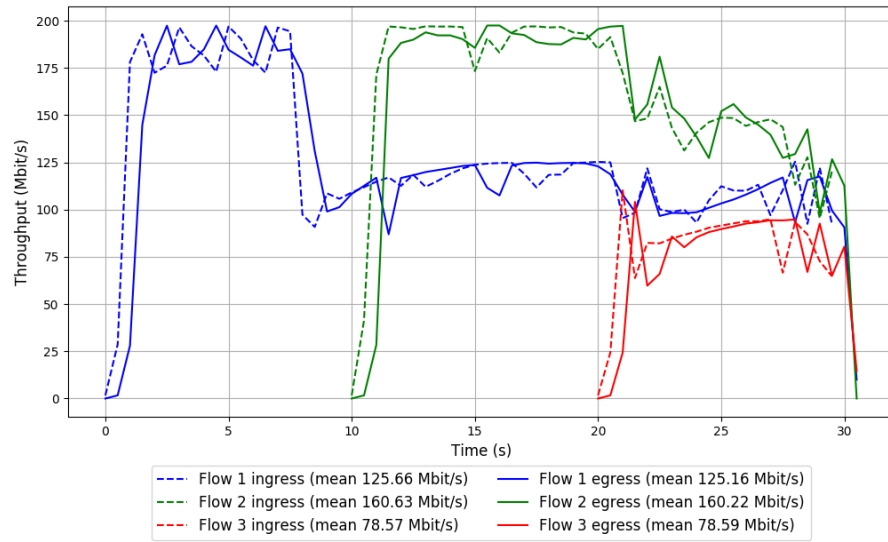


Run 2: Statistics of TCP Cubic

Start at: 2018-07-19 04:44:26
End at: 2018-07-19 04:44:56
Local clock offset: -0.035 ms
Remote clock offset: -1.343 ms

Below is generated by plot.py at 2018-07-19 08:50:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 257.79 Mbit/s
95th percentile per-packet one-way delay: 136.174 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 125.16 Mbit/s
95th percentile per-packet one-way delay: 126.343 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 160.22 Mbit/s
95th percentile per-packet one-way delay: 135.685 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 78.59 Mbit/s
95th percentile per-packet one-way delay: 152.777 ms
Loss rate: 0.06%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-19 05:08:22

End at: 2018-07-19 05:08:52

Local clock offset: -0.015 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-19 08:51:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 264.34 Mbit/s

95th percentile per-packet one-way delay: 130.894 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 169.69 Mbit/s

95th percentile per-packet one-way delay: 130.083 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 100.91 Mbit/s

95th percentile per-packet one-way delay: 130.777 ms

Loss rate: 0.00%

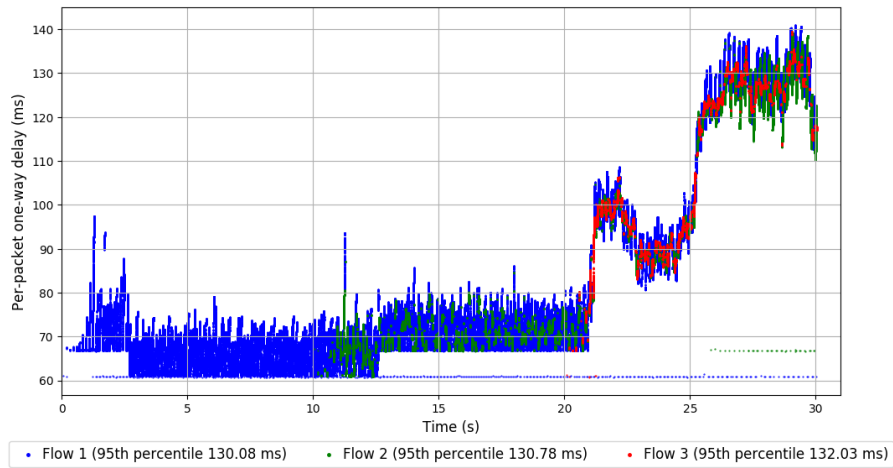
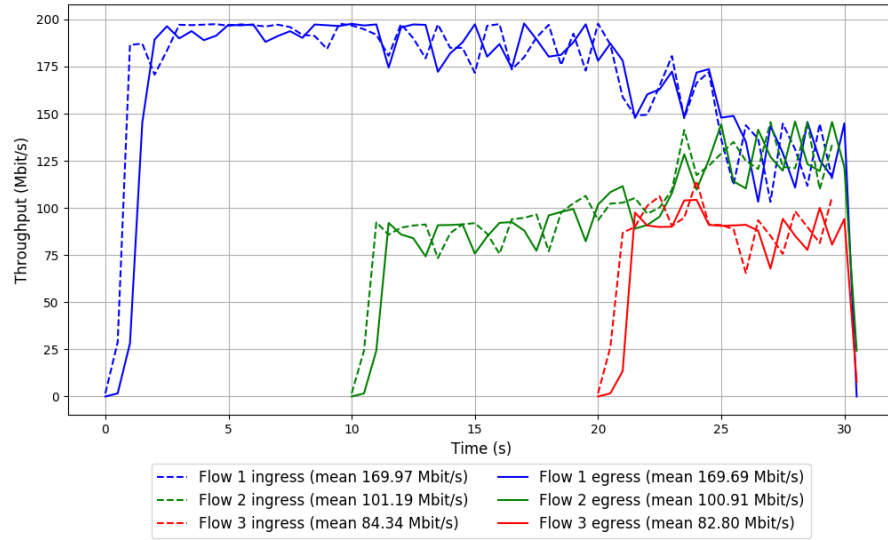
-- Flow 3:

Average throughput: 82.80 Mbit/s

95th percentile per-packet one-way delay: 132.025 ms

Loss rate: 1.62%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-19 05:32:03

End at: 2018-07-19 05:32:33

Local clock offset: -0.023 ms

Remote clock offset: 0.174 ms

Below is generated by plot.py at 2018-07-19 08:51:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 234.06 Mbit/s

95th percentile per-packet one-way delay: 109.707 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 166.28 Mbit/s

95th percentile per-packet one-way delay: 107.263 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.15 Mbit/s

95th percentile per-packet one-way delay: 112.466 ms

Loss rate: 0.29%

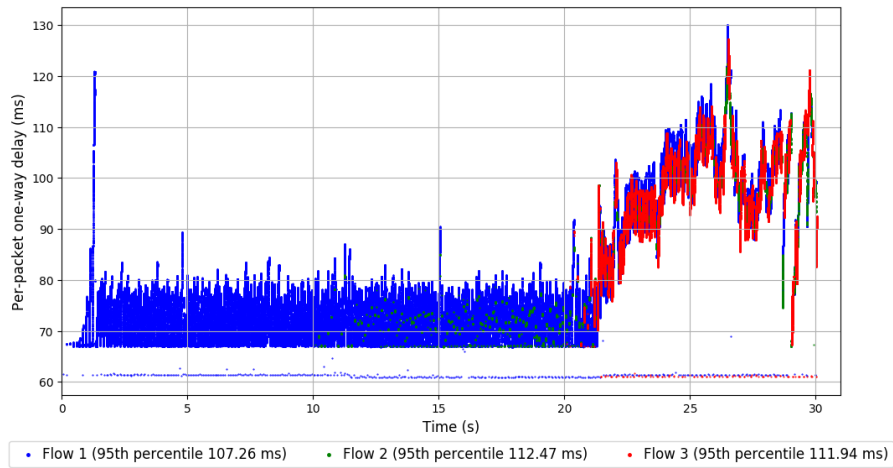
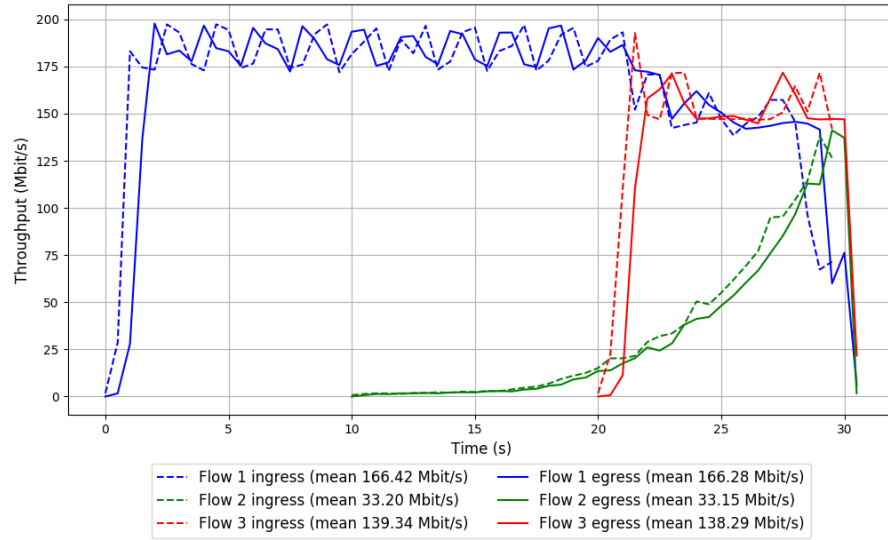
-- Flow 3:

Average throughput: 138.29 Mbit/s

95th percentile per-packet one-way delay: 111.945 ms

Loss rate: 0.80%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-19 05:56:30

End at: 2018-07-19 05:57:00

Local clock offset: -0.013 ms

Remote clock offset: 0.212 ms

Below is generated by plot.py at 2018-07-19 08:51:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 239.11 Mbit/s

95th percentile per-packet one-way delay: 125.476 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 170.37 Mbit/s

95th percentile per-packet one-way delay: 116.068 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 33.04 Mbit/s

95th percentile per-packet one-way delay: 135.112 ms

Loss rate: 0.52%

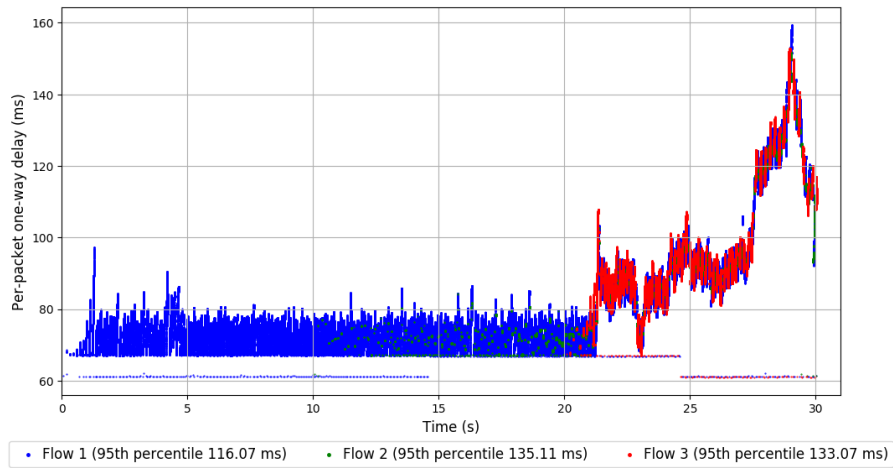
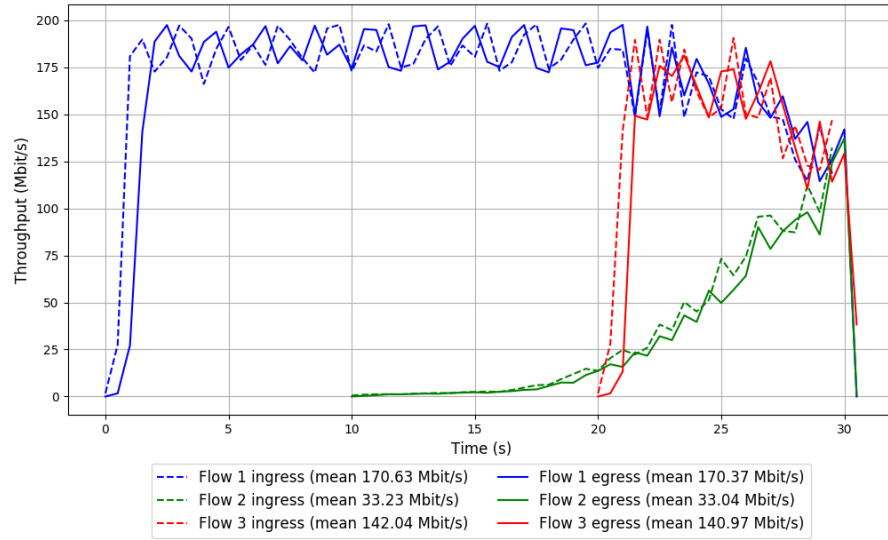
-- Flow 3:

Average throughput: 140.97 Mbit/s

95th percentile per-packet one-way delay: 133.070 ms

Loss rate: 0.38%

Run 5: Report of TCP Cubic — Data Link

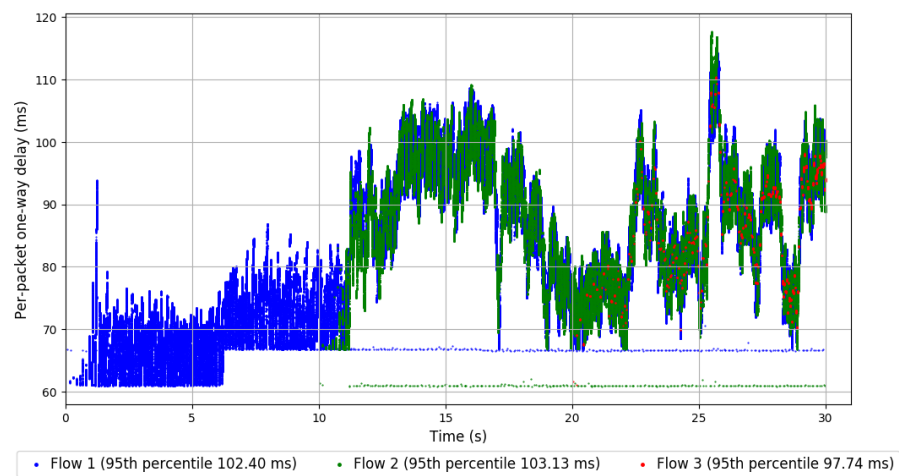
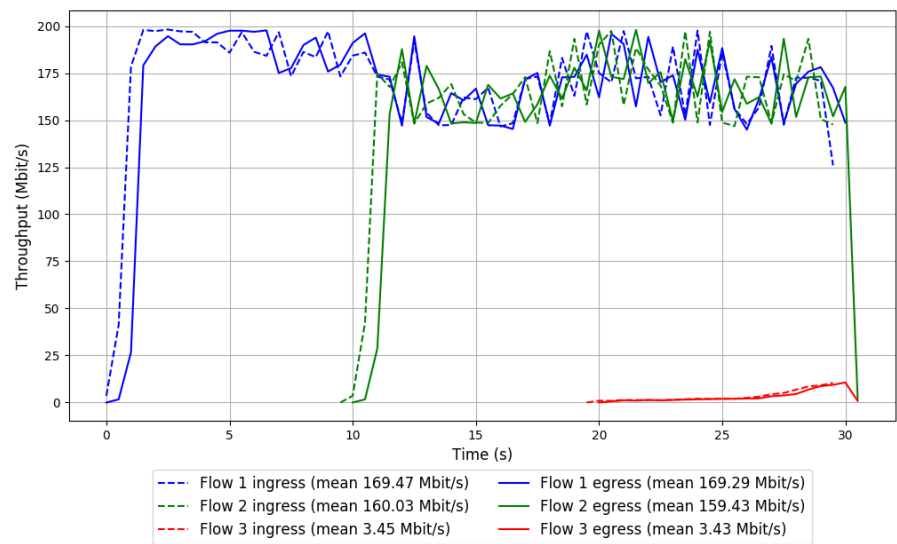


Run 6: Statistics of TCP Cubic

Start at: 2018-07-19 06:20:38
End at: 2018-07-19 06:21:08
Local clock offset: -0.01 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-19 08:51:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 276.79 Mbit/s
95th percentile per-packet one-way delay: 102.735 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 169.29 Mbit/s
95th percentile per-packet one-way delay: 102.400 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 159.43 Mbit/s
95th percentile per-packet one-way delay: 103.132 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 97.744 ms
Loss rate: 0.18%

Run 6: Report of TCP Cubic — Data Link

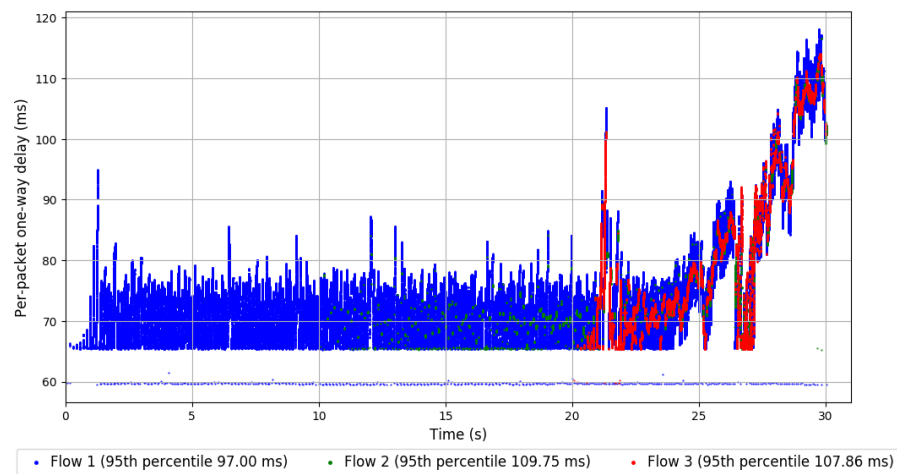
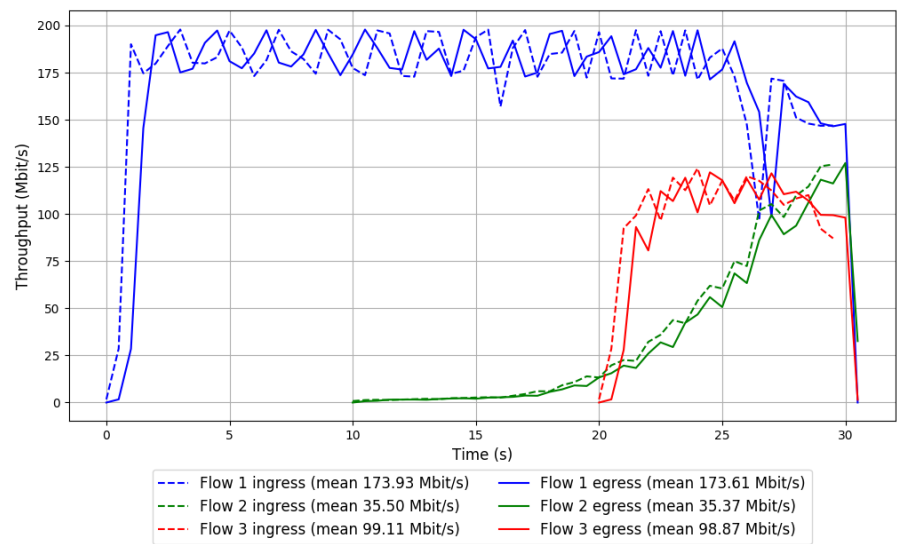


Run 7: Statistics of TCP Cubic

Start at: 2018-07-19 06:44:35
End at: 2018-07-19 06:45:05
Local clock offset: -0.031 ms
Remote clock offset: -1.461 ms

Below is generated by plot.py at 2018-07-19 08:51:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 229.83 Mbit/s
95th percentile per-packet one-way delay: 106.013 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 173.61 Mbit/s
95th percentile per-packet one-way delay: 96.999 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 35.37 Mbit/s
95th percentile per-packet one-way delay: 109.747 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 98.87 Mbit/s
95th percentile per-packet one-way delay: 107.863 ms
Loss rate: 0.28%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-19 07:08:11

End at: 2018-07-19 07:08:41

Local clock offset: -0.081 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-19 08:53:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 291.73 Mbit/s

95th percentile per-packet one-way delay: 87.535 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 181.68 Mbit/s

95th percentile per-packet one-way delay: 85.692 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 163.63 Mbit/s

95th percentile per-packet one-way delay: 90.623 ms

Loss rate: 0.05%

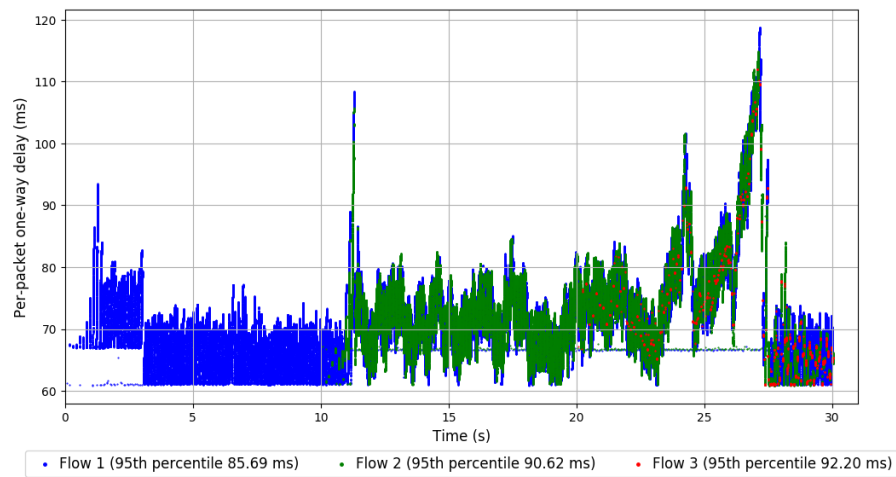
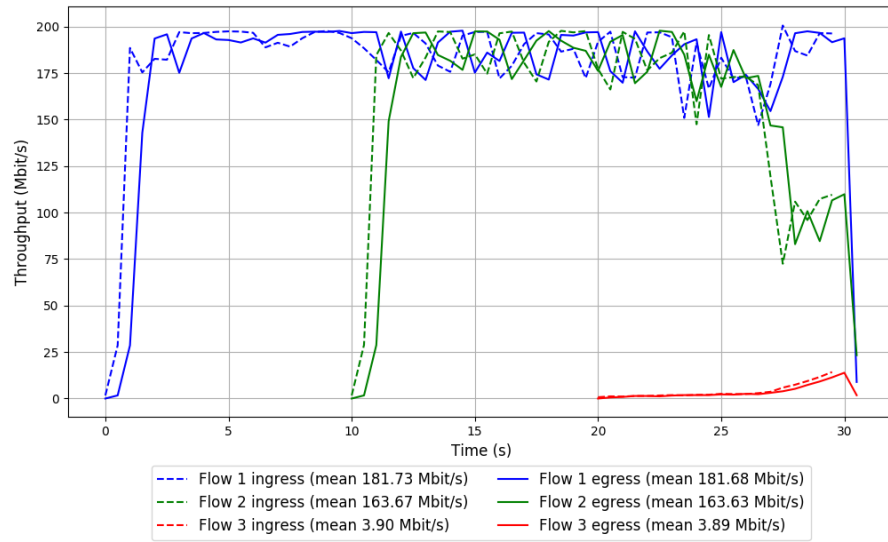
-- Flow 3:

Average throughput: 3.89 Mbit/s

95th percentile per-packet one-way delay: 92.204 ms

Loss rate: 0.15%

Run 8: Report of TCP Cubic — Data Link

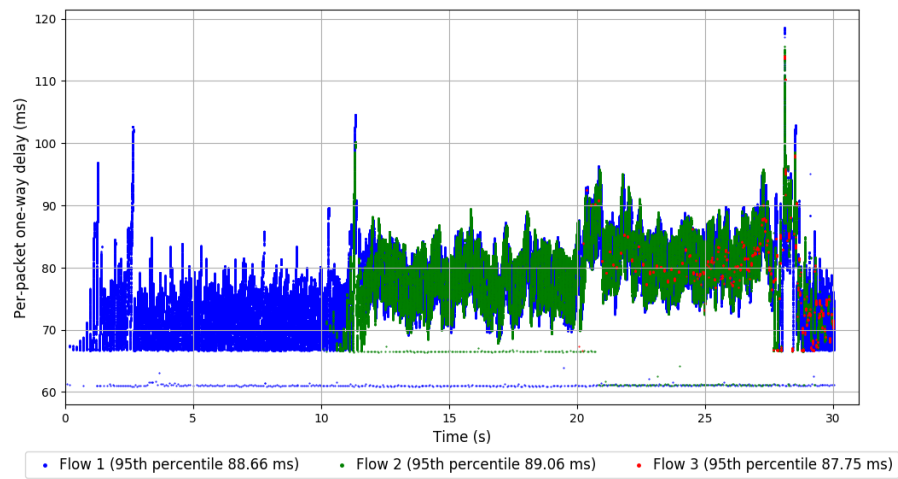
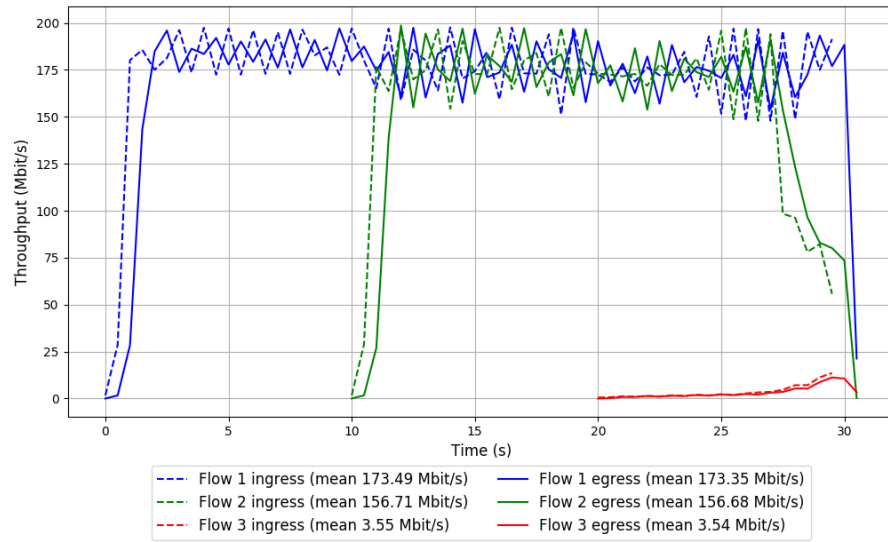


Run 9: Statistics of TCP Cubic

Start at: 2018-07-19 07:32:04
End at: 2018-07-19 07:32:34
Local clock offset: -0.055 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-19 08:55:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 278.68 Mbit/s
95th percentile per-packet one-way delay: 88.794 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 173.35 Mbit/s
95th percentile per-packet one-way delay: 88.661 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 156.68 Mbit/s
95th percentile per-packet one-way delay: 89.056 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.54 Mbit/s
95th percentile per-packet one-way delay: 87.748 ms
Loss rate: 0.24%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

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

End at: 2018-07-19 07:56:31

Local clock offset: -0.052 ms

Remote clock offset: 1.269 ms

Below is generated by plot.py at 2018-07-19 08:55:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 251.12 Mbit/s

95th percentile per-packet one-way delay: 81.705 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 175.01 Mbit/s

95th percentile per-packet one-way delay: 82.050 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 112.43 Mbit/s

95th percentile per-packet one-way delay: 80.383 ms

Loss rate: 0.02%

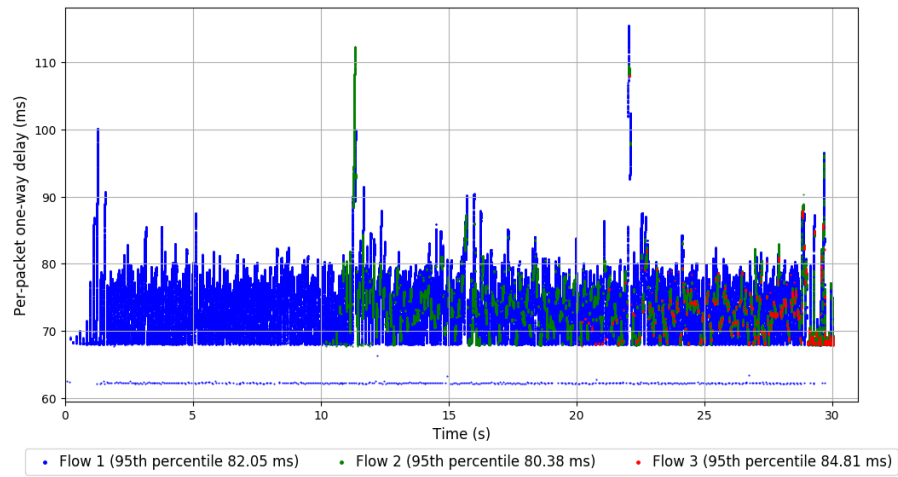
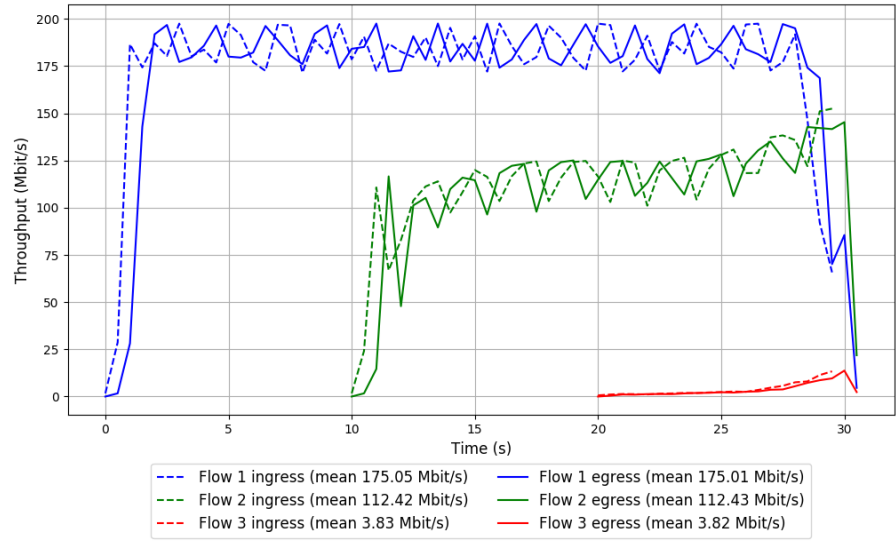
-- Flow 3:

Average throughput: 3.82 Mbit/s

95th percentile per-packet one-way delay: 84.811 ms

Loss rate: 0.19%

Run 10: Report of TCP Cubic — Data Link

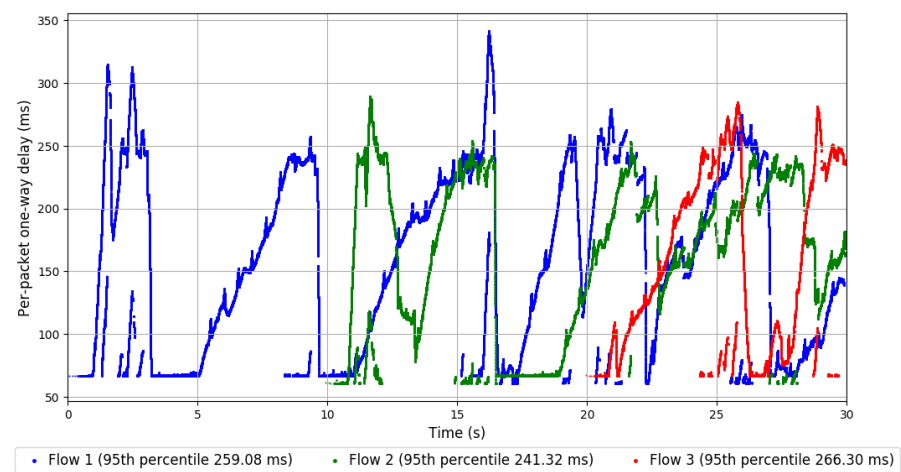
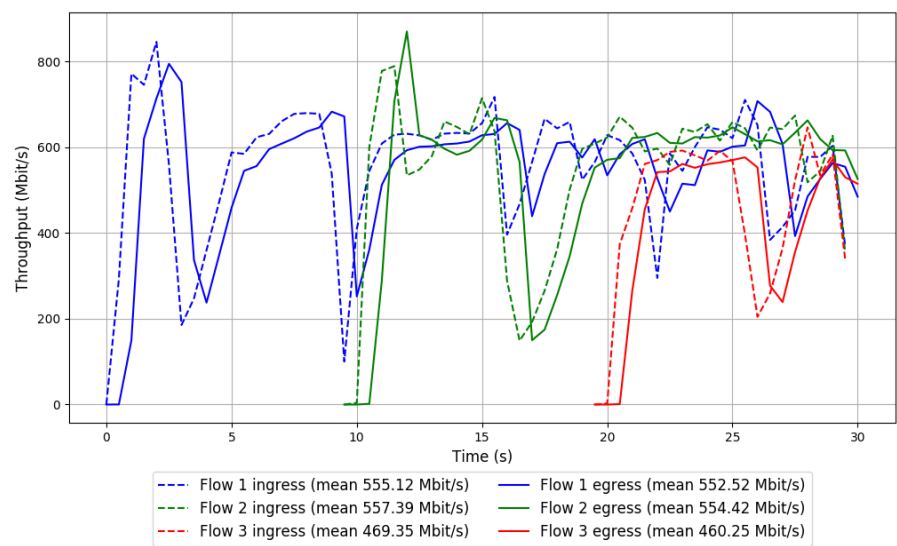


Run 1: Statistics of FillP

Start at: 2018-07-19 04:38:47
End at: 2018-07-19 04:39:17
Local clock offset: -0.053 ms
Remote clock offset: -0.182 ms

Below is generated by plot.py at 2018-07-19 09:16:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 1076.69 Mbit/s
95th percentile per-packet one-way delay: 255.370 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 552.52 Mbit/s
95th percentile per-packet one-way delay: 259.078 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 554.42 Mbit/s
95th percentile per-packet one-way delay: 241.319 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 460.25 Mbit/s
95th percentile per-packet one-way delay: 266.304 ms
Loss rate: 1.00%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-19 05:02:27

End at: 2018-07-19 05:02:57

Local clock offset: 0.022 ms

Remote clock offset: 0.28 ms

Below is generated by plot.py at 2018-07-19 09:18:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 1173.72 Mbit/s

95th percentile per-packet one-way delay: 247.753 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 632.76 Mbit/s

95th percentile per-packet one-way delay: 235.388 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 537.06 Mbit/s

95th percentile per-packet one-way delay: 260.506 ms

Loss rate: 0.42%

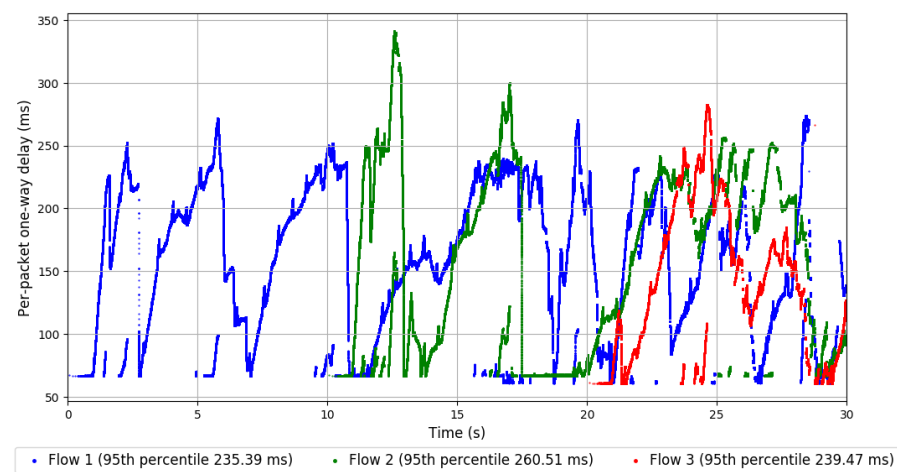
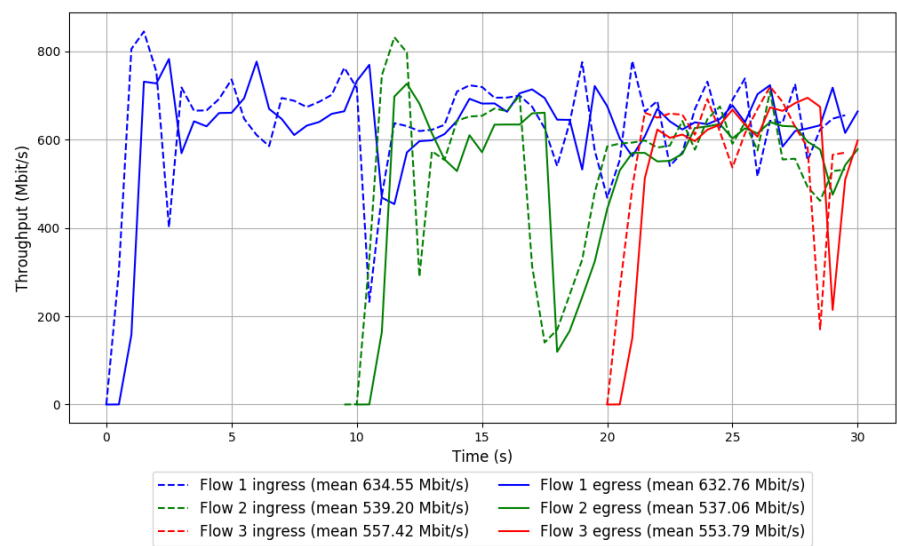
-- Flow 3:

Average throughput: 553.79 Mbit/s

95th percentile per-packet one-way delay: 239.471 ms

Loss rate: 0.63%

Run 2: Report of FillP — Data Link

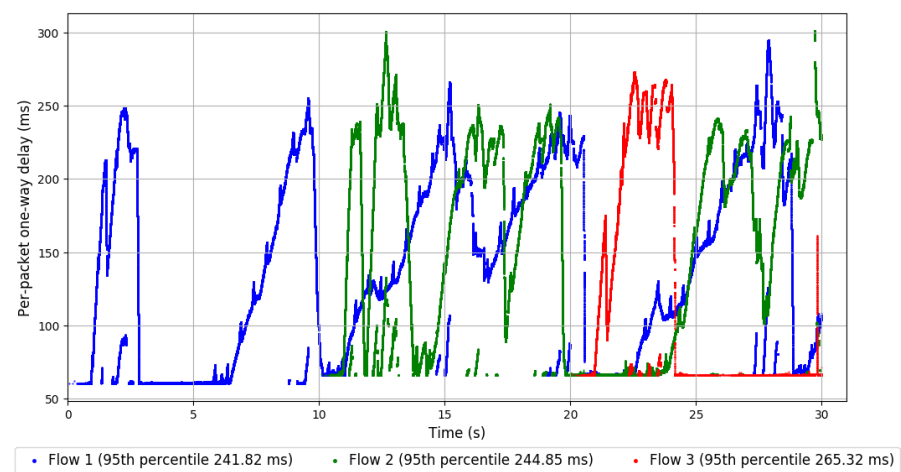
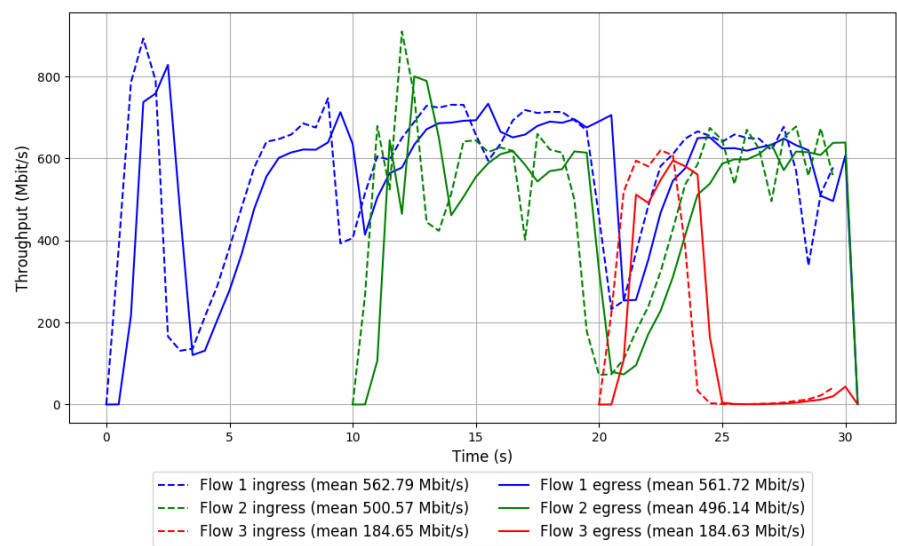


Run 3: Statistics of FillP

Start at: 2018-07-19 05:26:25
End at: 2018-07-19 05:26:55
Local clock offset: 0.003 ms
Remote clock offset: -0.369 ms

Below is generated by plot.py at 2018-07-19 09:18:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 952.79 Mbit/s
95th percentile per-packet one-way delay: 247.356 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 561.72 Mbit/s
95th percentile per-packet one-way delay: 241.825 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 496.14 Mbit/s
95th percentile per-packet one-way delay: 244.847 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 184.63 Mbit/s
95th percentile per-packet one-way delay: 265.316 ms
Loss rate: 0.03%

Run 3: Report of FillP — Data Link

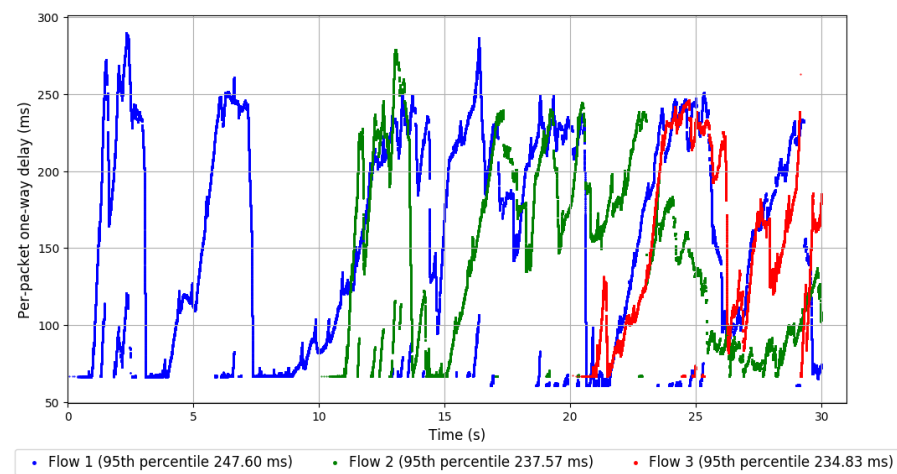
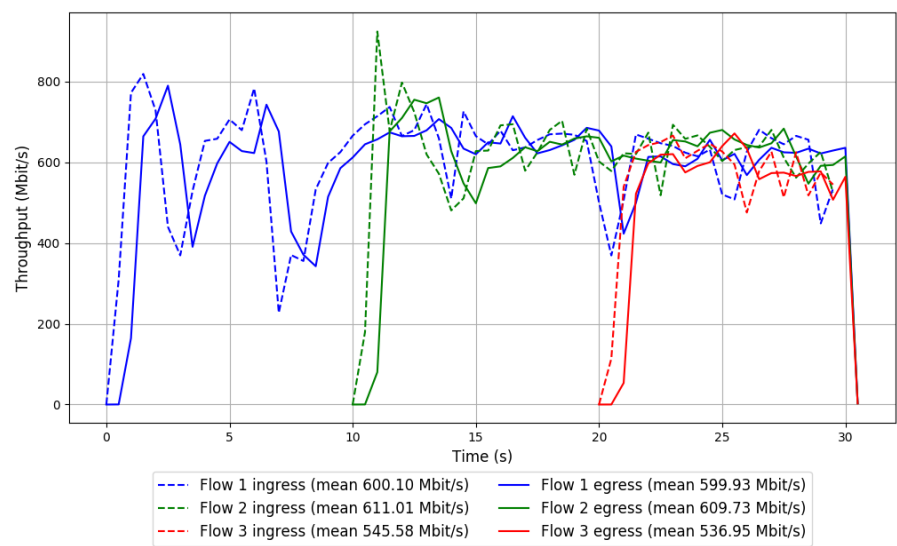


Run 4: Statistics of FillP

Start at: 2018-07-19 05:50:28
End at: 2018-07-19 05:50:58
Local clock offset: -0.024 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2018-07-19 09:19:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 1183.17 Mbit/s
95th percentile per-packet one-way delay: 244.140 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 599.93 Mbit/s
95th percentile per-packet one-way delay: 247.598 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 609.73 Mbit/s
95th percentile per-packet one-way delay: 237.567 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 536.95 Mbit/s
95th percentile per-packet one-way delay: 234.830 ms
Loss rate: 1.64%

Run 4: Report of FillP — Data Link

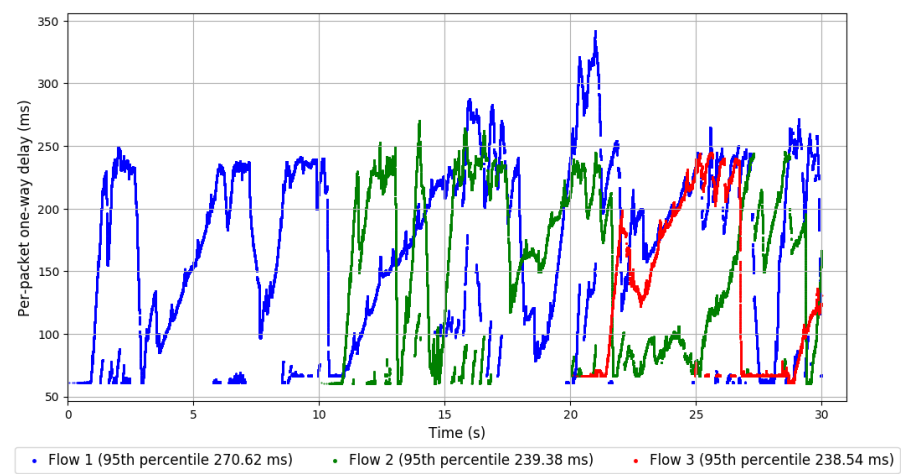
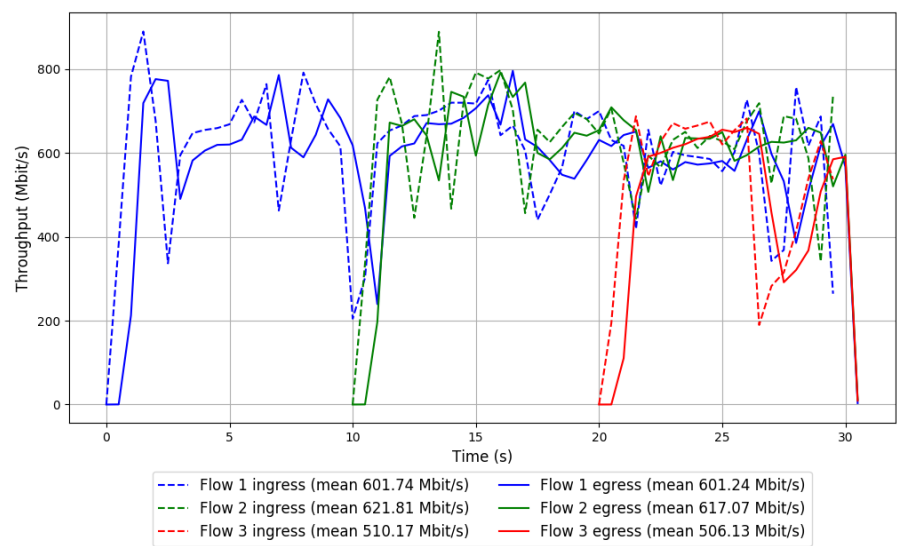


Run 5: Statistics of FillP

Start at: 2018-07-19 06:14:45
End at: 2018-07-19 06:15:15
Local clock offset: -0.01 ms
Remote clock offset: -0.217 ms

Below is generated by plot.py at 2018-07-19 09:20:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 1179.40 Mbit/s
95th percentile per-packet one-way delay: 251.393 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 601.24 Mbit/s
95th percentile per-packet one-way delay: 270.619 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 617.07 Mbit/s
95th percentile per-packet one-way delay: 239.376 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 506.13 Mbit/s
95th percentile per-packet one-way delay: 238.544 ms
Loss rate: 0.73%

Run 5: Report of FillP — Data Link

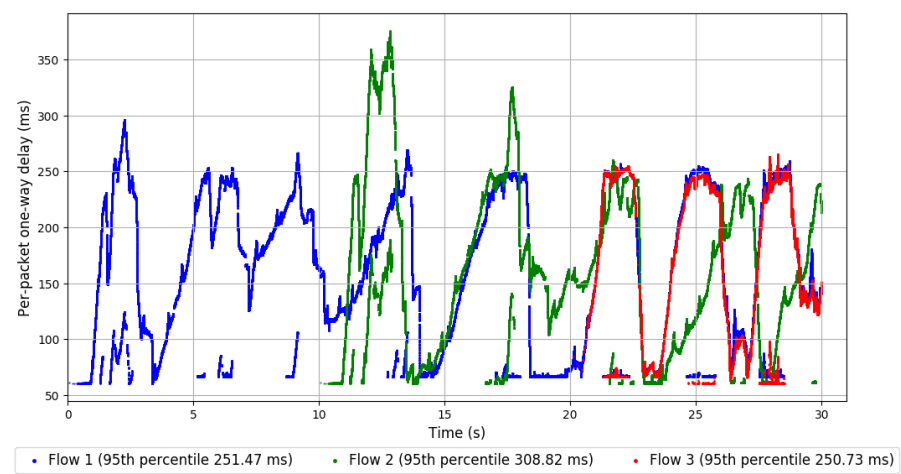
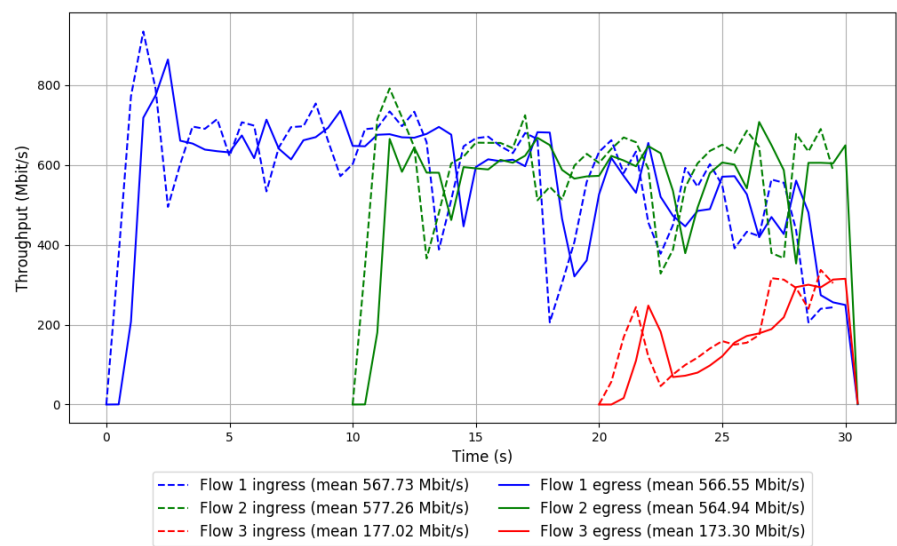


Run 6: Statistics of FillP

Start at: 2018-07-19 06:38:50
End at: 2018-07-19 06:39:20
Local clock offset: -0.022 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2018-07-19 09:20:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 999.87 Mbit/s
95th percentile per-packet one-way delay: 253.180 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 566.55 Mbit/s
95th percentile per-packet one-way delay: 251.471 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 564.94 Mbit/s
95th percentile per-packet one-way delay: 308.819 ms
Loss rate: 2.13%
-- Flow 3:
Average throughput: 173.30 Mbit/s
95th percentile per-packet one-way delay: 250.733 ms
Loss rate: 2.32%

Run 6: Report of FillP — Data Link

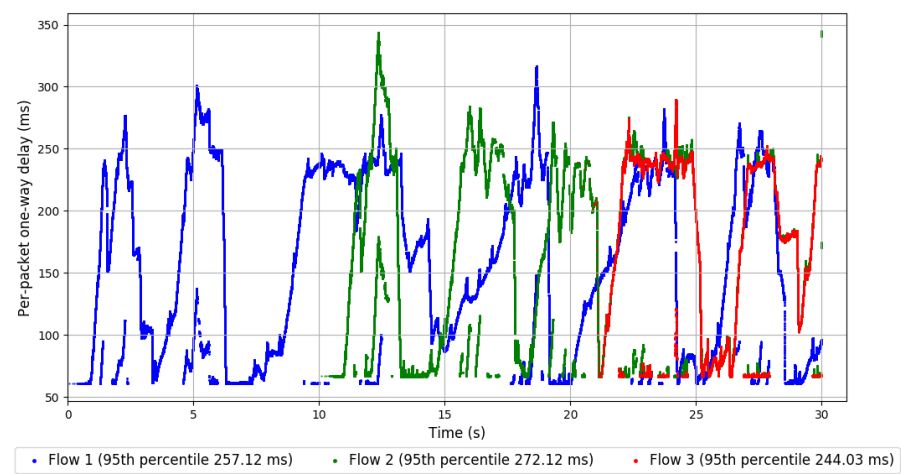
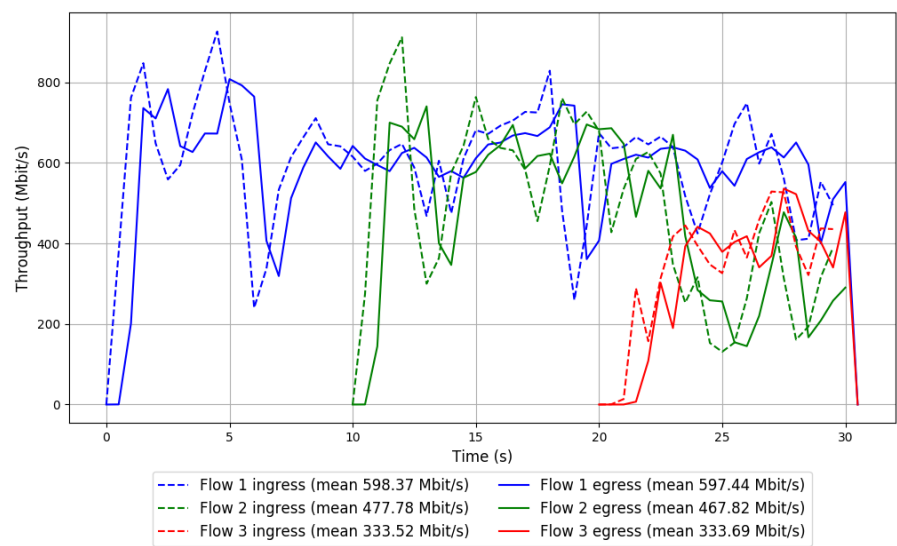


Run 7: Statistics of FillP

Start at: 2018-07-19 07:02:26
End at: 2018-07-19 07:02:56
Local clock offset: -0.035 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-07-19 09:20:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 1016.96 Mbit/s
95th percentile per-packet one-way delay: 260.113 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 597.44 Mbit/s
95th percentile per-packet one-way delay: 257.115 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 467.82 Mbit/s
95th percentile per-packet one-way delay: 272.121 ms
Loss rate: 2.11%
-- Flow 3:
Average throughput: 333.69 Mbit/s
95th percentile per-packet one-way delay: 244.025 ms
Loss rate: 1.71%

Run 7: Report of FillP — Data Link

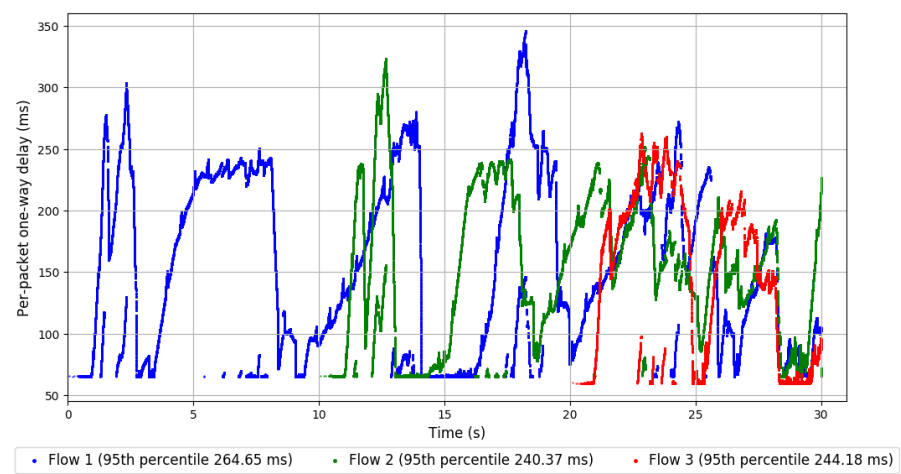
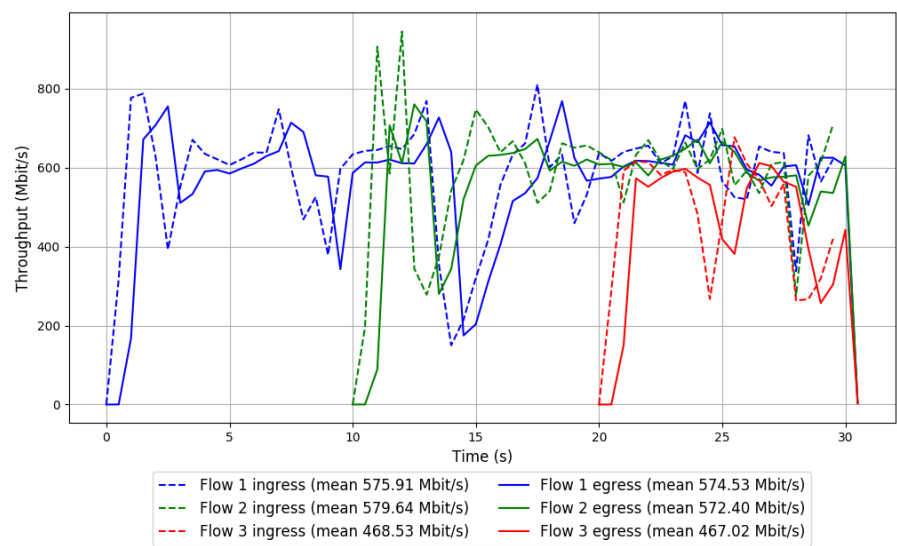


Run 8: Statistics of FillP

Start at: 2018-07-19 07:26:15
End at: 2018-07-19 07:26:45
Local clock offset: -0.05 ms
Remote clock offset: -1.151 ms

Below is generated by plot.py at 2018-07-19 09:22:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 1110.09 Mbit/s
95th percentile per-packet one-way delay: 256.807 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 574.53 Mbit/s
95th percentile per-packet one-way delay: 264.648 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 572.40 Mbit/s
95th percentile per-packet one-way delay: 240.370 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 467.02 Mbit/s
95th percentile per-packet one-way delay: 244.180 ms
Loss rate: 0.31%

Run 8: Report of FillP — Data Link

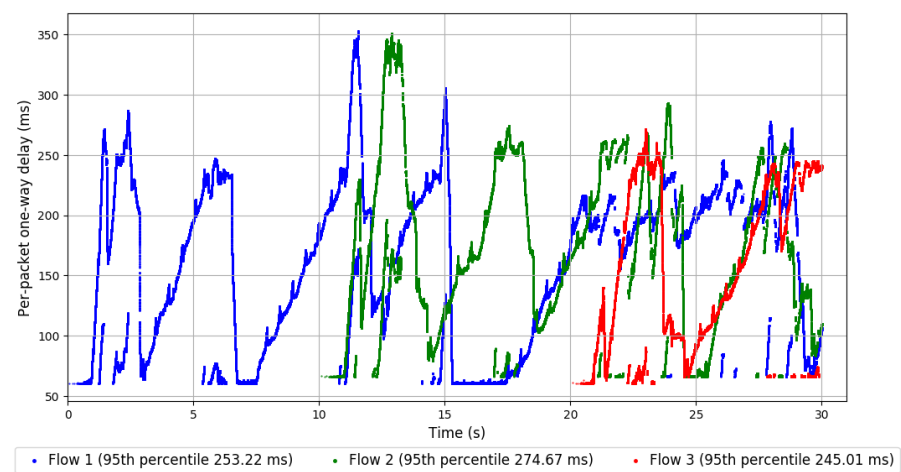
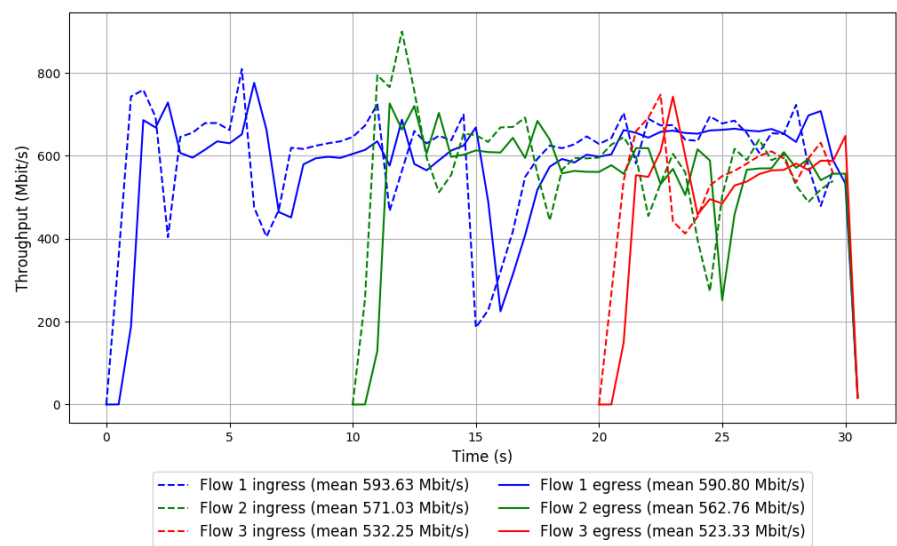


Run 9: Statistics of FillP

Start at: 2018-07-19 07:50:11
End at: 2018-07-19 07:50:41
Local clock offset: -0.037 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2018-07-19 09:40:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 1138.55 Mbit/s
95th percentile per-packet one-way delay: 260.249 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 590.80 Mbit/s
95th percentile per-packet one-way delay: 253.224 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 562.76 Mbit/s
95th percentile per-packet one-way delay: 274.668 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 523.33 Mbit/s
95th percentile per-packet one-way delay: 245.007 ms
Loss rate: 1.69%

Run 9: Report of FillP — Data Link

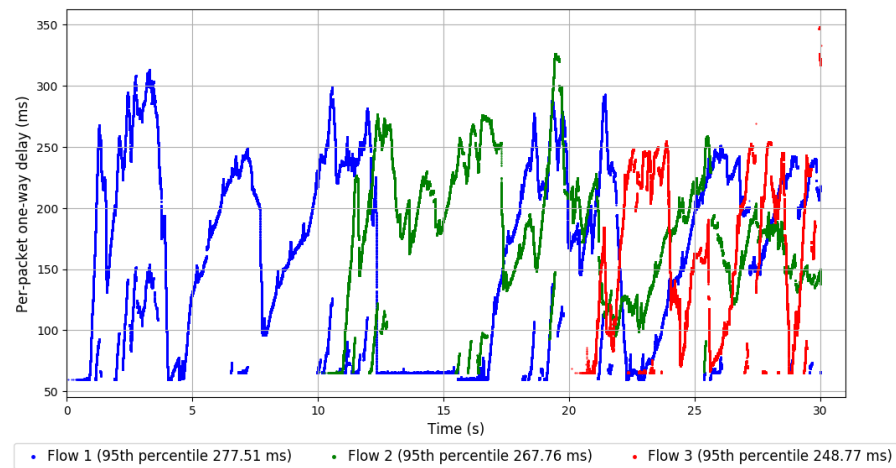
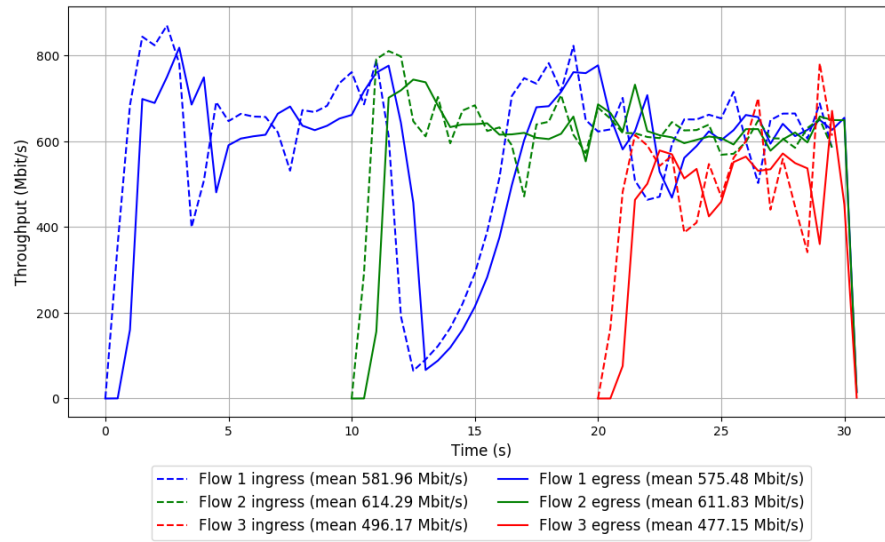


Run 10: Statistics of FillP

Start at: 2018-07-19 08:13:59
End at: 2018-07-19 08:14:29
Local clock offset: -0.032 ms
Remote clock offset: -1.353 ms

Below is generated by plot.py at 2018-07-19 09:43:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 1140.25 Mbit/s
95th percentile per-packet one-way delay: 271.384 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 575.48 Mbit/s
95th percentile per-packet one-way delay: 277.510 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 611.83 Mbit/s
95th percentile per-packet one-way delay: 267.756 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 477.15 Mbit/s
95th percentile per-packet one-way delay: 248.767 ms
Loss rate: 3.81%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-19 04:35:44

End at: 2018-07-19 04:36:14

Local clock offset: -0.059 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-19 09:43:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 1082.99 Mbit/s

95th percentile per-packet one-way delay: 128.750 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 543.70 Mbit/s

95th percentile per-packet one-way delay: 133.471 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 546.00 Mbit/s

95th percentile per-packet one-way delay: 114.639 ms

Loss rate: 0.05%

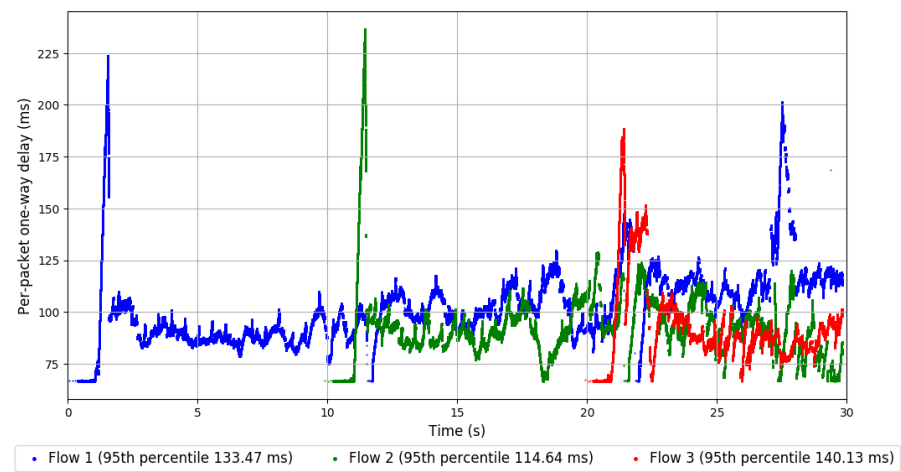
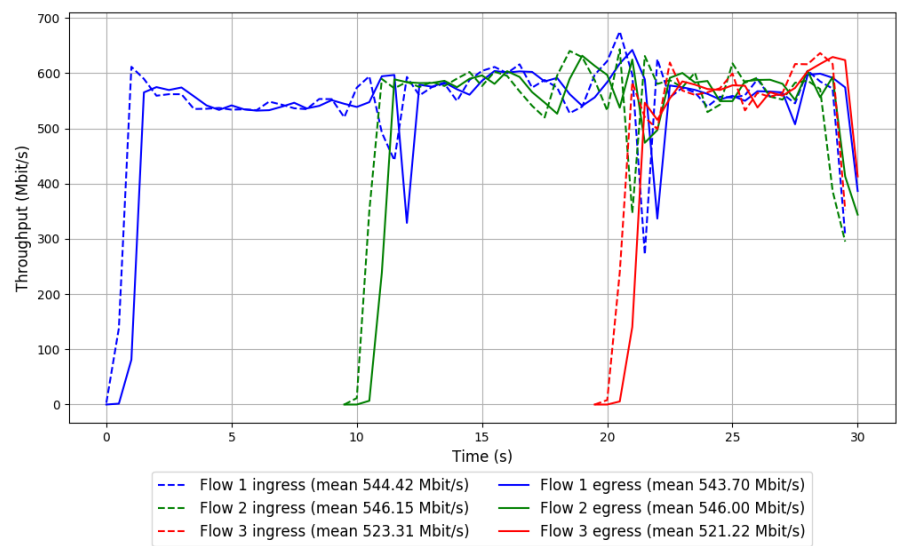
-- Flow 3:

Average throughput: 521.22 Mbit/s

95th percentile per-packet one-way delay: 140.135 ms

Loss rate: 0.45%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-19 04:59:21

End at: 2018-07-19 04:59:52

Local clock offset: -0.086 ms

Remote clock offset: 1.259 ms

Below is generated by plot.py at 2018-07-19 09:45:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 1138.23 Mbit/s

95th percentile per-packet one-way delay: 154.715 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 577.80 Mbit/s

95th percentile per-packet one-way delay: 167.703 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 564.00 Mbit/s

95th percentile per-packet one-way delay: 104.413 ms

Loss rate: 0.07%

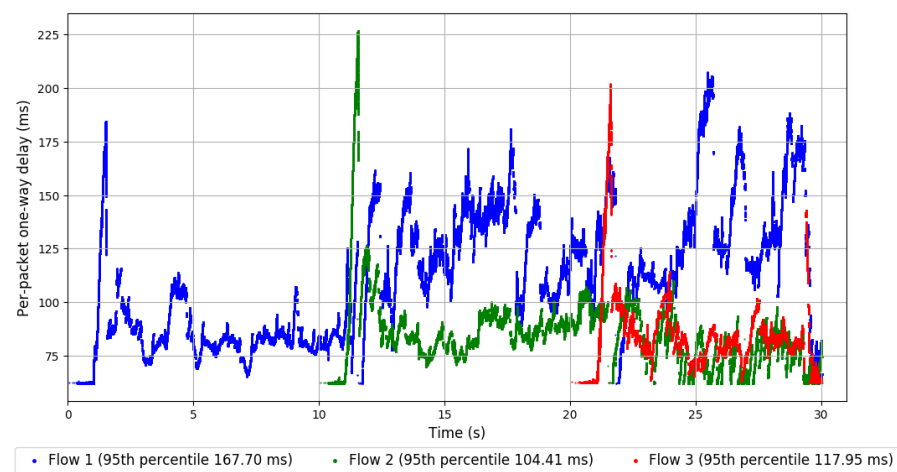
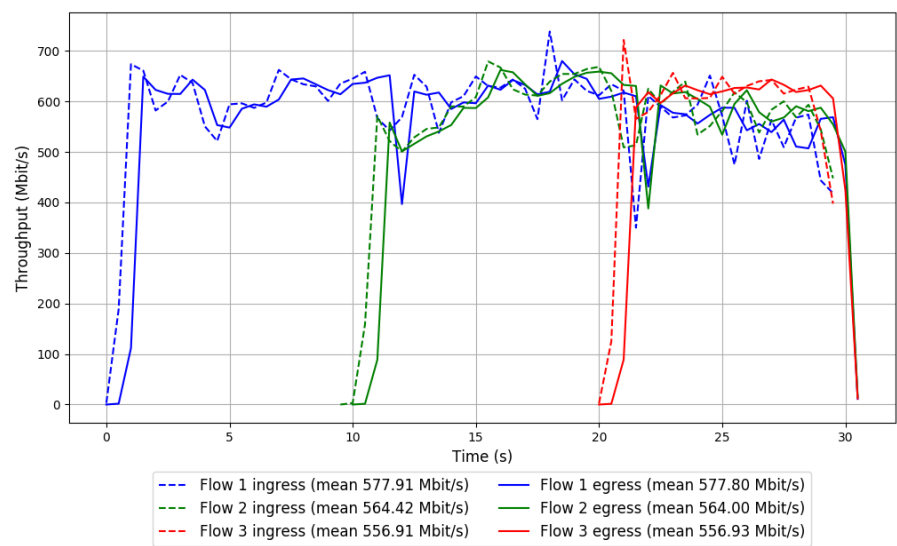
-- Flow 3:

Average throughput: 556.93 Mbit/s

95th percentile per-packet one-way delay: 117.953 ms

Loss rate: 0.00%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-19 05:23:19

End at: 2018-07-19 05:23:49

Local clock offset: -0.004 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-07-19 09:46:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 1157.20 Mbit/s

95th percentile per-packet one-way delay: 127.228 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 574.27 Mbit/s

95th percentile per-packet one-way delay: 117.604 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 599.62 Mbit/s

95th percentile per-packet one-way delay: 141.250 ms

Loss rate: 0.00%

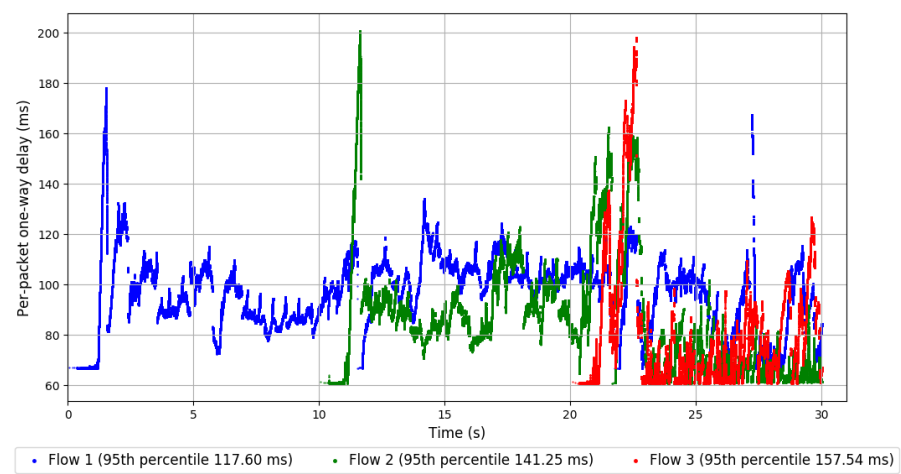
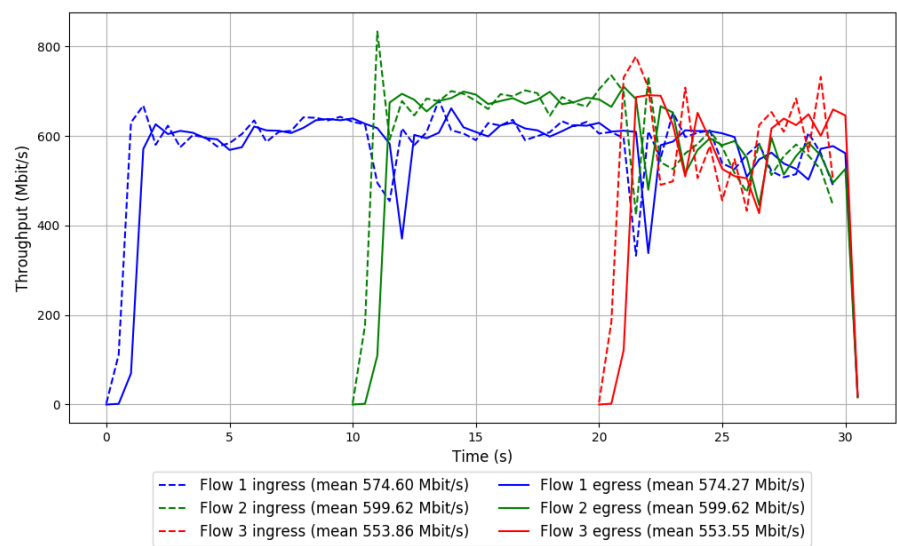
-- Flow 3:

Average throughput: 553.55 Mbit/s

95th percentile per-packet one-way delay: 157.538 ms

Loss rate: 0.02%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-19 05:47:22

End at: 2018-07-19 05:47:52

Local clock offset: -0.063 ms

Remote clock offset: 0.275 ms

Below is generated by plot.py at 2018-07-19 09:46:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 1142.71 Mbit/s

95th percentile per-packet one-way delay: 137.190 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 574.04 Mbit/s

95th percentile per-packet one-way delay: 238.615 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 581.33 Mbit/s

95th percentile per-packet one-way delay: 126.852 ms

Loss rate: 0.21%

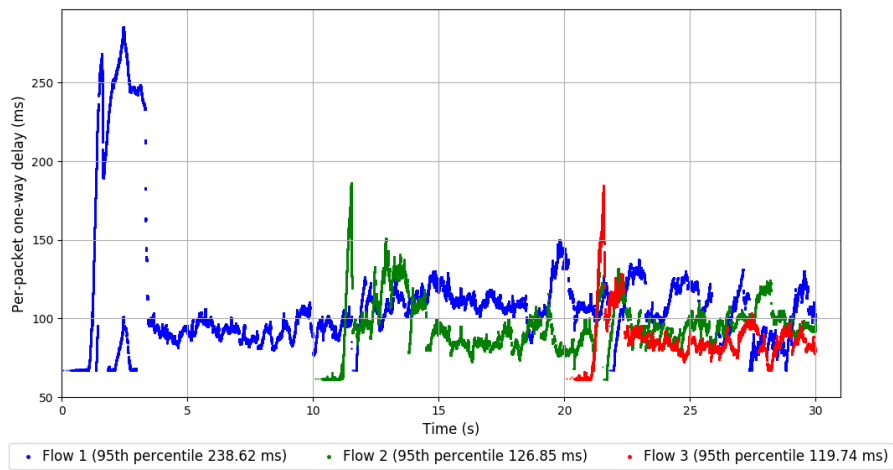
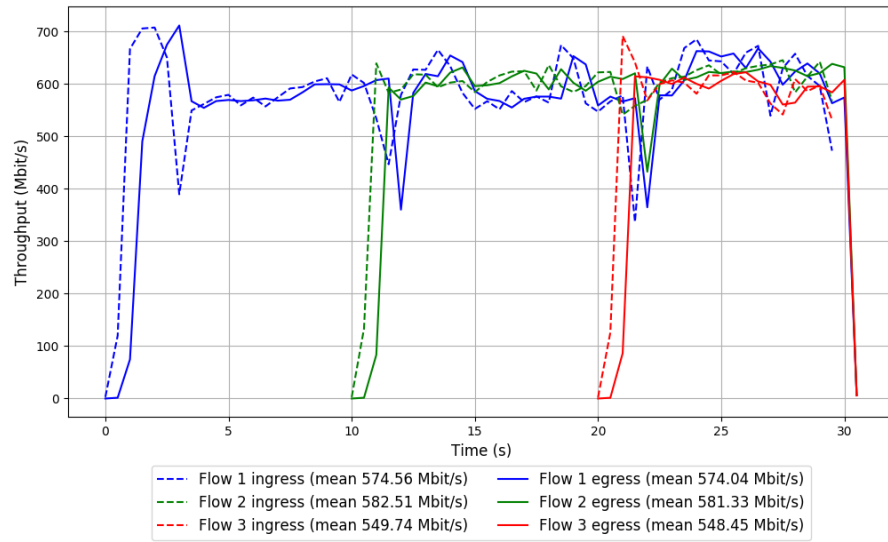
-- Flow 3:

Average throughput: 548.45 Mbit/s

95th percentile per-packet one-way delay: 119.737 ms

Loss rate: 0.22%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-19 06:11:40

End at: 2018-07-19 06:12:10

Local clock offset: 0.04 ms

Remote clock offset: 0.246 ms

Below is generated by plot.py at 2018-07-19 09:46:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 1122.98 Mbit/s

95th percentile per-packet one-way delay: 169.061 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 569.21 Mbit/s

95th percentile per-packet one-way delay: 227.036 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 562.49 Mbit/s

95th percentile per-packet one-way delay: 139.208 ms

Loss rate: 0.01%

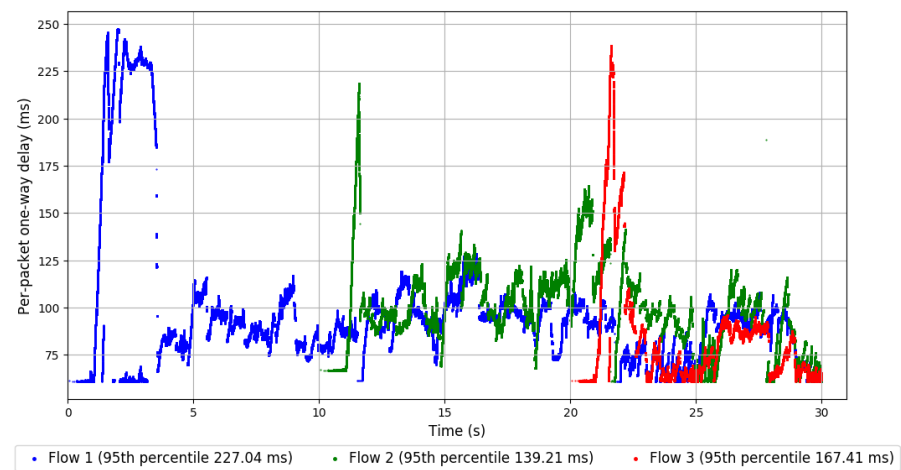
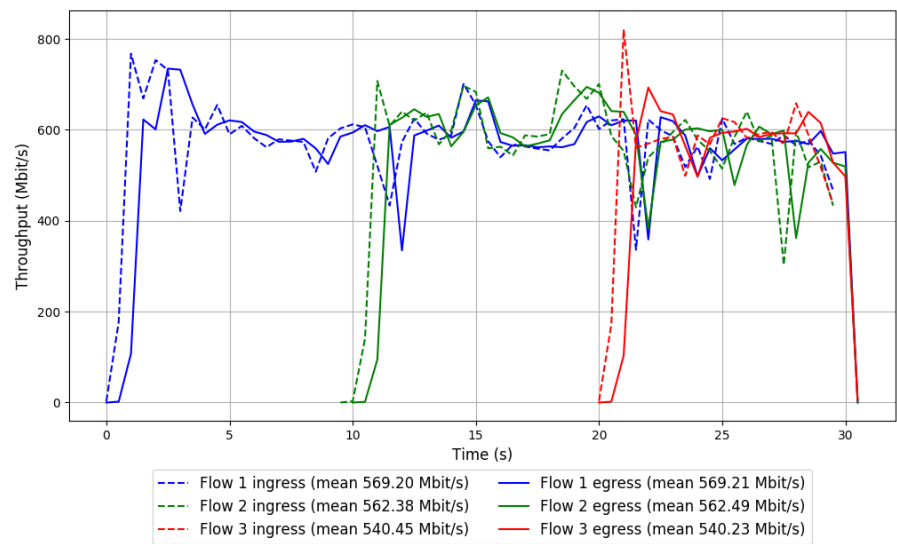
-- Flow 3:

Average throughput: 540.23 Mbit/s

95th percentile per-packet one-way delay: 167.412 ms

Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link

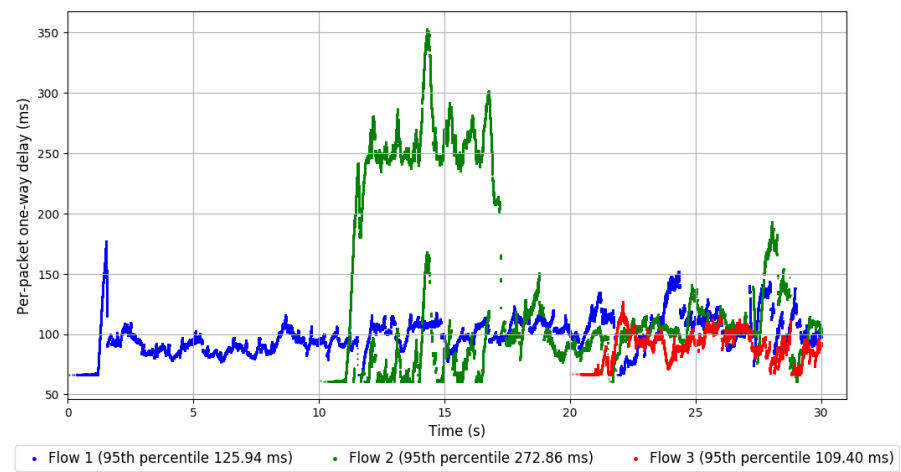
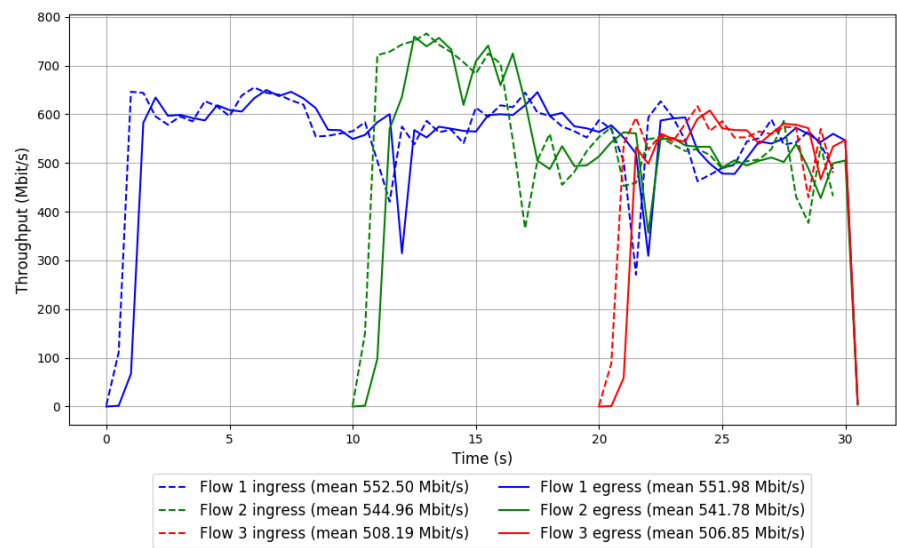


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-19 06:35:45
End at: 2018-07-19 06:36:15
Local clock offset: -0.037 ms
Remote clock offset: -0.273 ms

Below is generated by plot.py at 2018-07-19 09:48:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1080.17 Mbit/s
95th percentile per-packet one-way delay: 248.997 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 551.98 Mbit/s
95th percentile per-packet one-way delay: 125.941 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 541.78 Mbit/s
95th percentile per-packet one-way delay: 272.857 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 506.85 Mbit/s
95th percentile per-packet one-way delay: 109.397 ms
Loss rate: 0.24%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-19 06:59:37

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

Local clock offset: -0.063 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-19 09:57:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 708.92 Mbit/s

95th percentile per-packet one-way delay: 274.336 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 162.98 Mbit/s

95th percentile per-packet one-way delay: 307.799 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 559.96 Mbit/s

95th percentile per-packet one-way delay: 127.270 ms

Loss rate: 0.17%

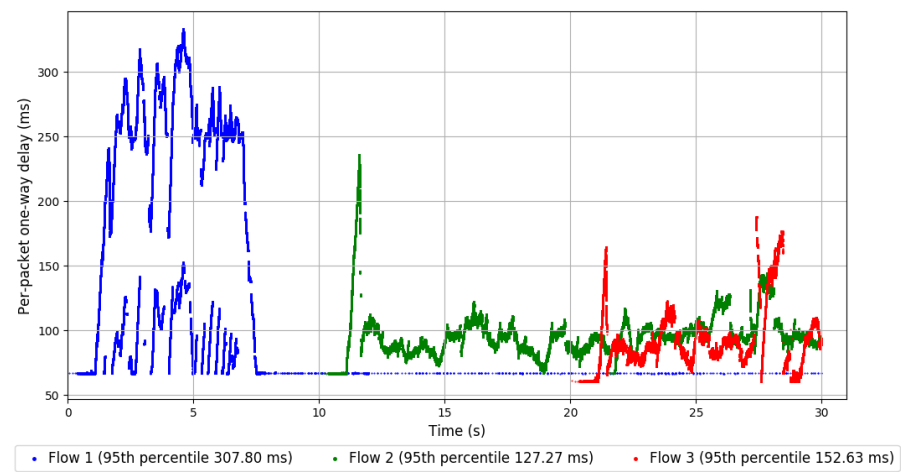
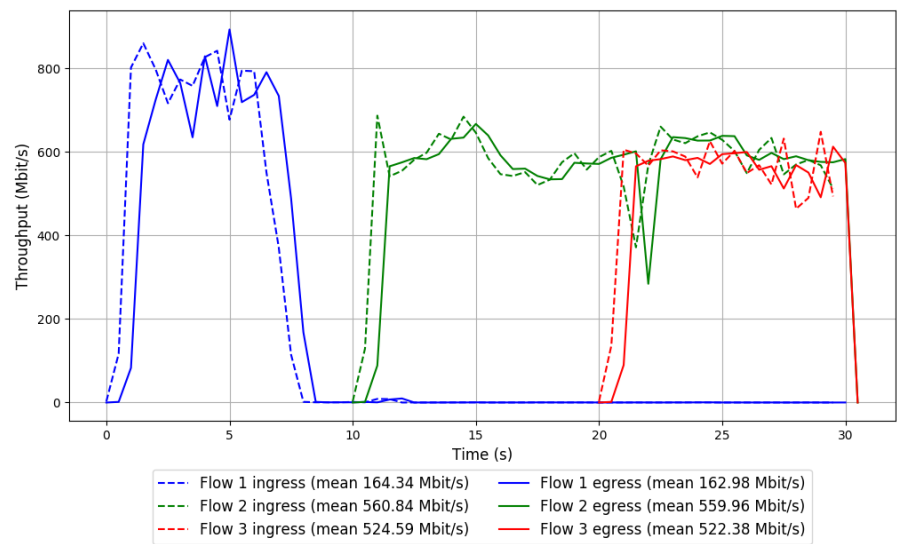
-- Flow 3:

Average throughput: 522.38 Mbit/s

95th percentile per-packet one-way delay: 152.635 ms

Loss rate: 0.38%

Run 7: Report of FillP-Sheep — Data Link

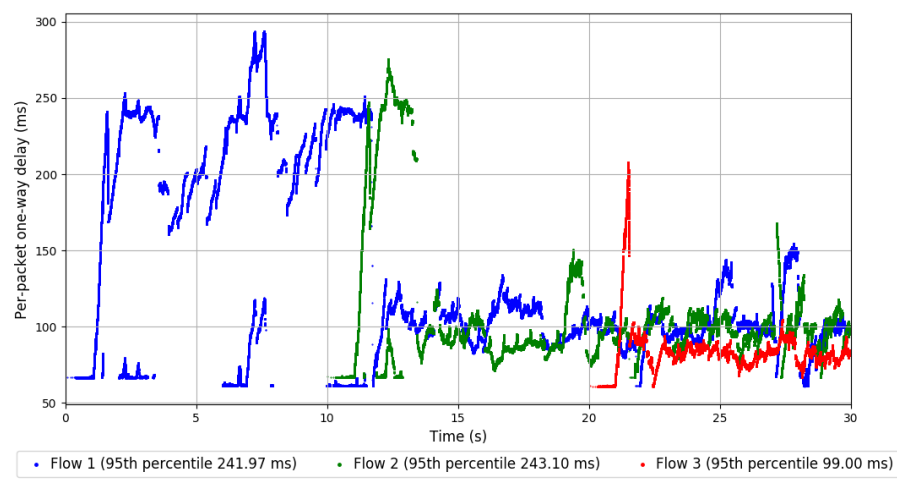
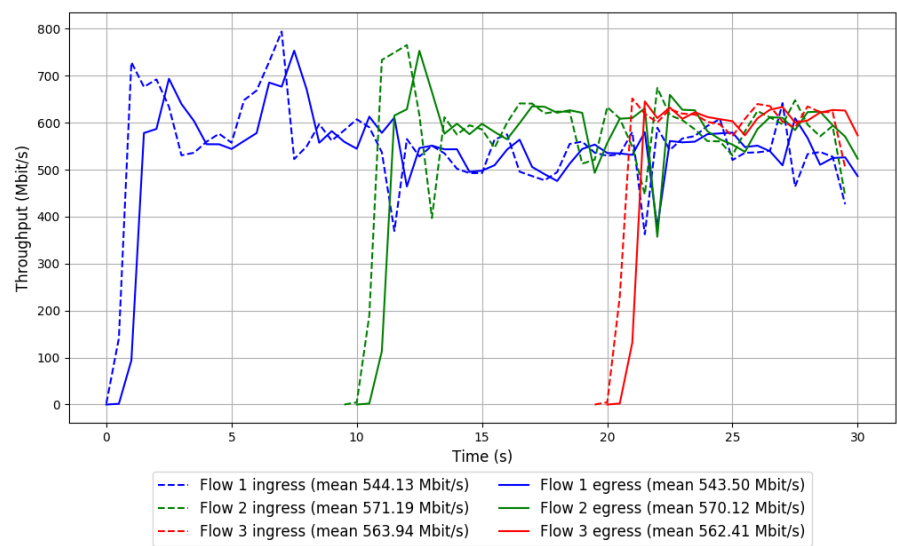


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-19 07:23:09
End at: 2018-07-19 07:23:39
Local clock offset: -0.05 ms
Remote clock offset: -0.236 ms

```
# Below is generated by plot.py at 2018-07-19 10:10:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1110.55 Mbit/s
95th percentile per-packet one-way delay: 241.383 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 543.50 Mbit/s
95th percentile per-packet one-way delay: 241.972 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 570.12 Mbit/s
95th percentile per-packet one-way delay: 243.101 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 562.41 Mbit/s
95th percentile per-packet one-way delay: 99.001 ms
Loss rate: 0.26%
```

Run 8: Report of FillP-Sheep — Data Link

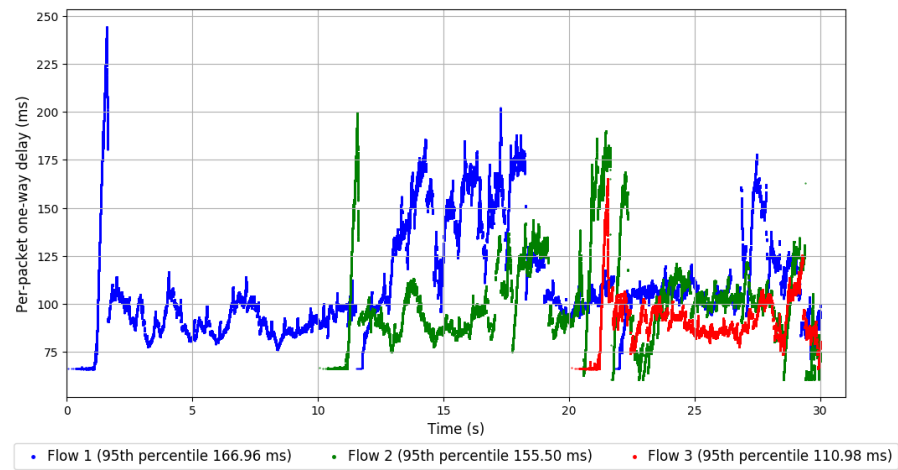
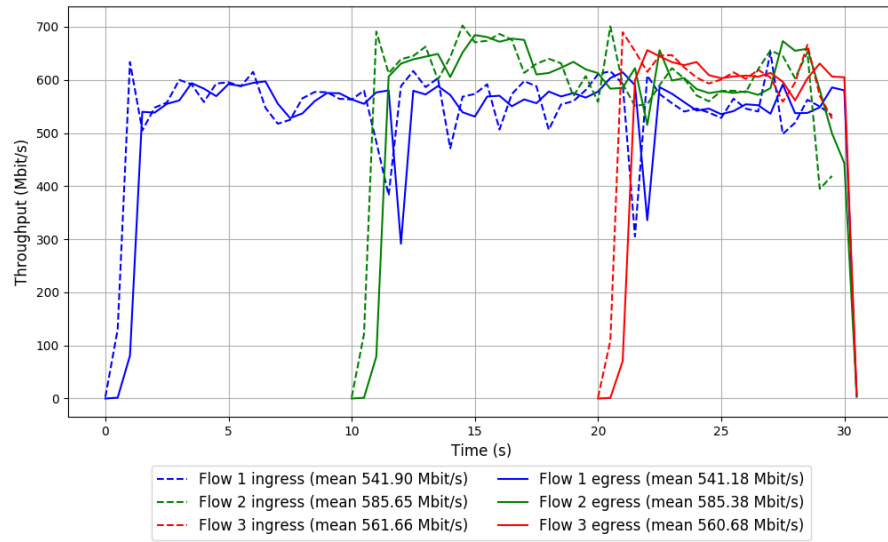


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-19 07:47:06
End at: 2018-07-19 07:47:36
Local clock offset: -0.057 ms
Remote clock offset: -0.201 ms

Below is generated by plot.py at 2018-07-19 10:10:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 1116.62 Mbit/s
95th percentile per-packet one-way delay: 161.004 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 541.18 Mbit/s
95th percentile per-packet one-way delay: 166.960 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 585.38 Mbit/s
95th percentile per-packet one-way delay: 155.499 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 560.68 Mbit/s
95th percentile per-packet one-way delay: 110.977 ms
Loss rate: 0.17%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-19 08:10:54

End at: 2018-07-19 08:11:24

Local clock offset: -0.128 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-07-19 10:12:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 1118.68 Mbit/s

95th percentile per-packet one-way delay: 166.587 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 559.62 Mbit/s

95th percentile per-packet one-way delay: 216.364 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 586.19 Mbit/s

95th percentile per-packet one-way delay: 119.643 ms

Loss rate: 0.34%

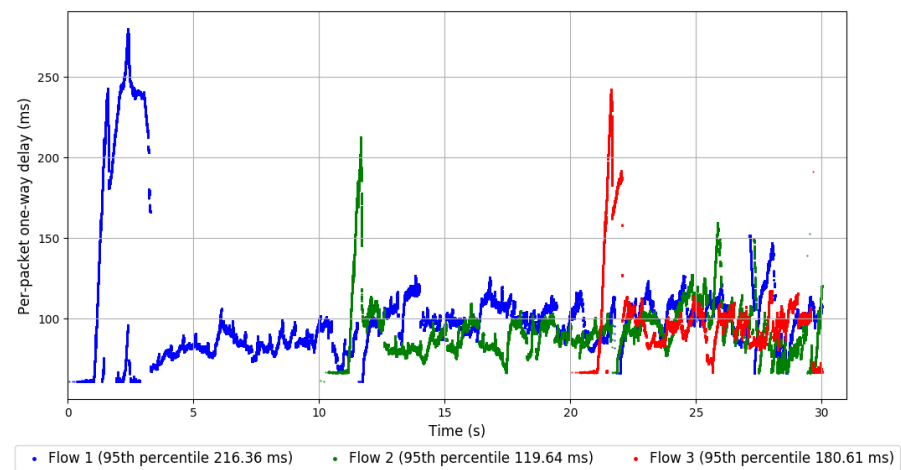
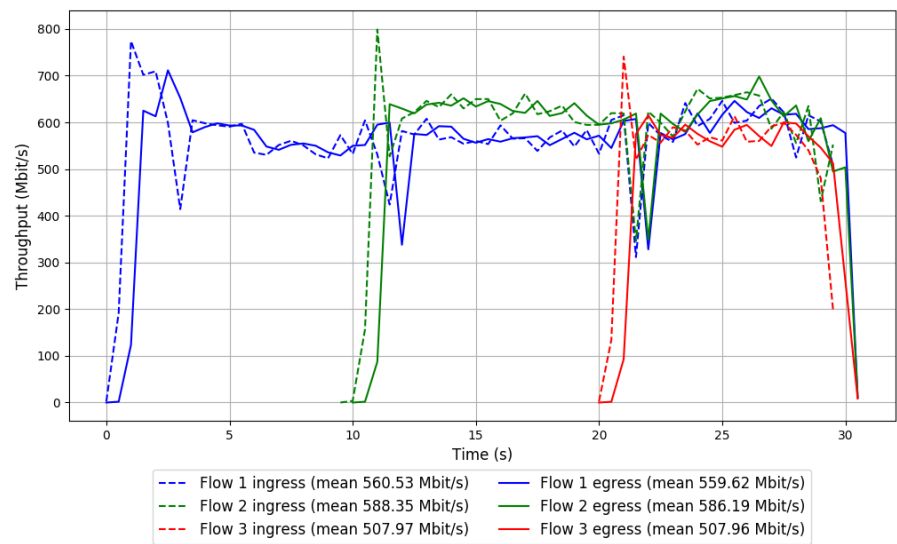
-- Flow 3:

Average throughput: 507.96 Mbit/s

95th percentile per-packet one-way delay: 180.609 ms

Loss rate: 0.00%

Run 10: Report of FillP-Sheep — Data Link

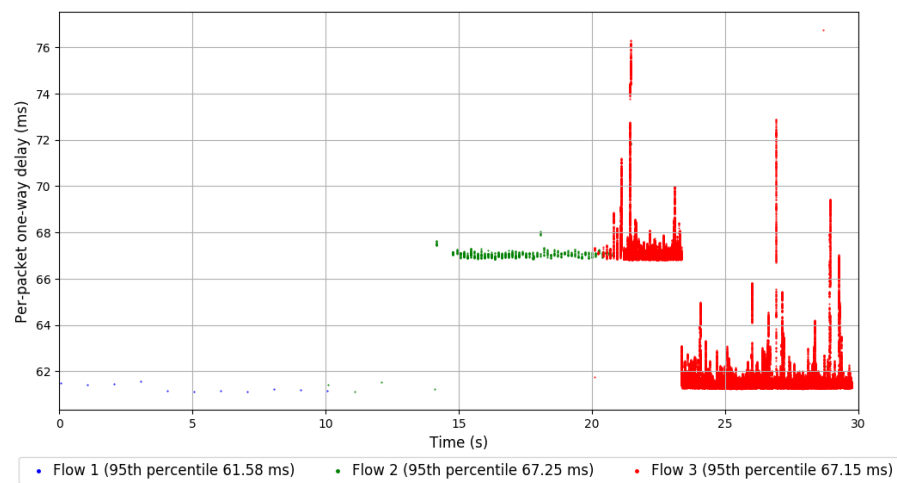
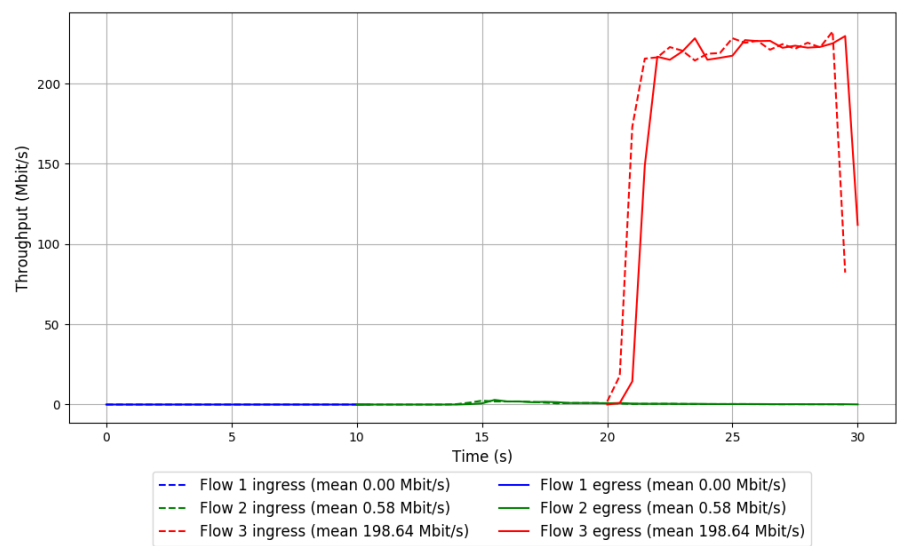


```
Run 1: Statistics of Indigo

Start at: 2018-07-19 04:22:31
End at: 2018-07-19 04:23:01
Local clock offset: -0.066 ms
Remote clock offset: 0.195 ms

# Below is generated by plot.py at 2018-07-19 10:12:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.90 Mbit/s
95th percentile per-packet one-way delay: 67.149 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 61.579 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 67.247 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 198.64 Mbit/s
95th percentile per-packet one-way delay: 67.147 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-19 04:45:50

End at: 2018-07-19 04:46:20

Local clock offset: -0.069 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-19 10:12:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 245.48 Mbit/s

95th percentile per-packet one-way delay: 101.911 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 143.20 Mbit/s

95th percentile per-packet one-way delay: 92.963 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 120.22 Mbit/s

95th percentile per-packet one-way delay: 105.611 ms

Loss rate: 0.02%

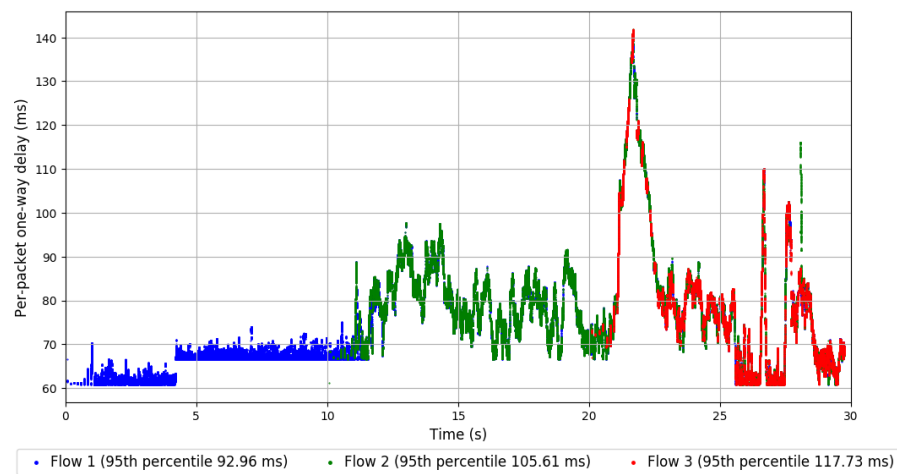
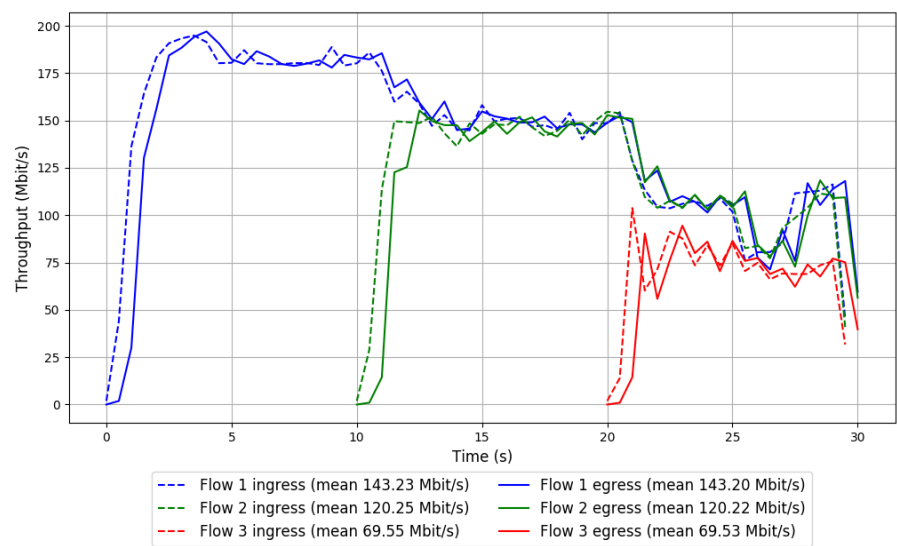
-- Flow 3:

Average throughput: 69.53 Mbit/s

95th percentile per-packet one-way delay: 117.734 ms

Loss rate: 0.08%

Run 2: Report of Indigo — Data Link

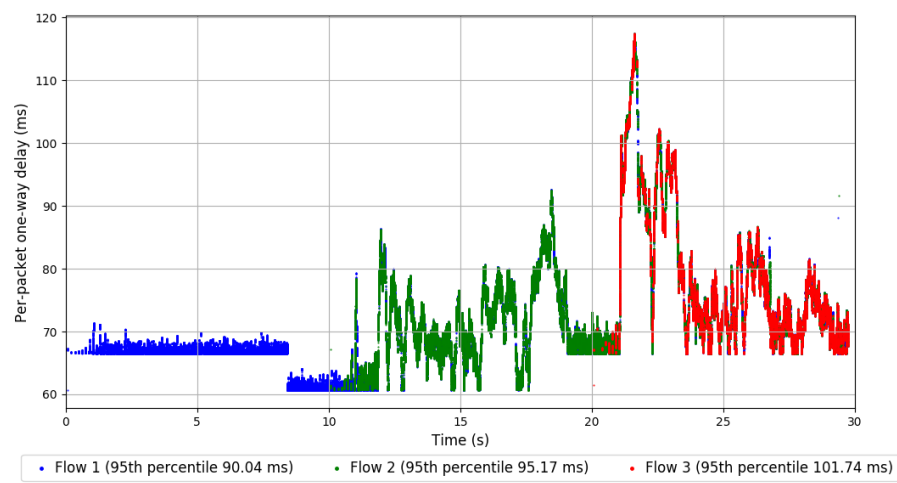
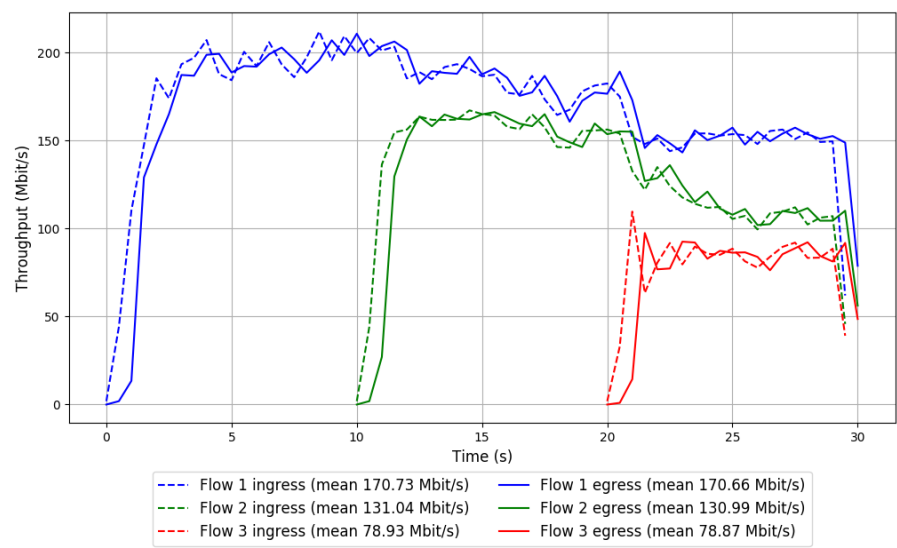


Run 3: Statistics of Indigo

Start at: 2018-07-19 05:09:46
End at: 2018-07-19 05:10:16
Local clock offset: 0.017 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-07-19 10:12:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 283.22 Mbit/s
95th percentile per-packet one-way delay: 94.348 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 170.66 Mbit/s
95th percentile per-packet one-way delay: 90.039 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 130.99 Mbit/s
95th percentile per-packet one-way delay: 95.175 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 78.87 Mbit/s
95th percentile per-packet one-way delay: 101.739 ms
Loss rate: 0.06%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-19 05:33:25

End at: 2018-07-19 05:33:55

Local clock offset: 0.019 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-07-19 10:12:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 278.72 Mbit/s

95th percentile per-packet one-way delay: 123.804 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 162.64 Mbit/s

95th percentile per-packet one-way delay: 120.981 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 138.04 Mbit/s

95th percentile per-packet one-way delay: 126.675 ms

Loss rate: 0.29%

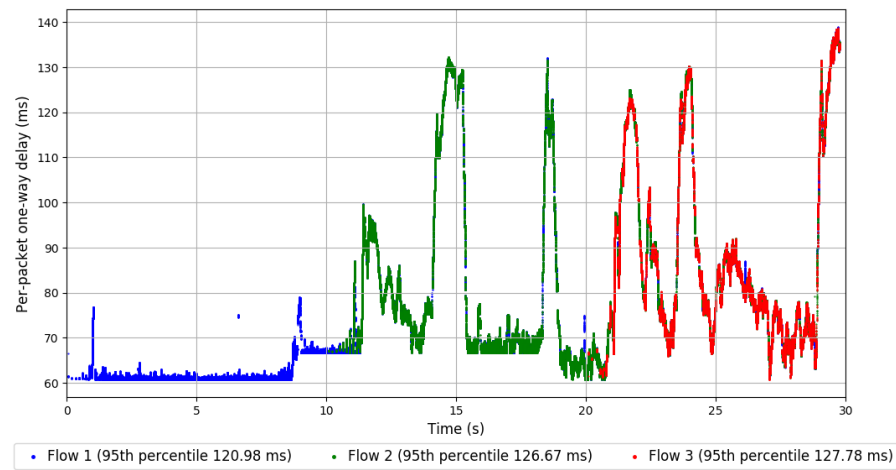
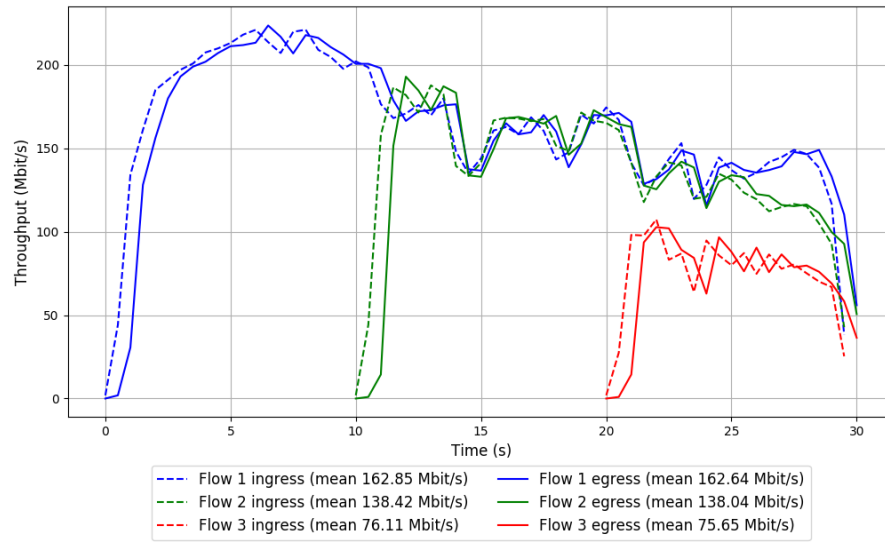
-- Flow 3:

Average throughput: 75.65 Mbit/s

95th percentile per-packet one-way delay: 127.776 ms

Loss rate: 0.63%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-19 05:57:52

End at: 2018-07-19 05:58:22

Local clock offset: -0.016 ms

Remote clock offset: 1.277 ms

Below is generated by plot.py at 2018-07-19 10:12:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 295.08 Mbit/s

95th percentile per-packet one-way delay: 93.763 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 185.81 Mbit/s

95th percentile per-packet one-way delay: 89.724 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 138.72 Mbit/s

95th percentile per-packet one-way delay: 95.852 ms

Loss rate: 0.01%

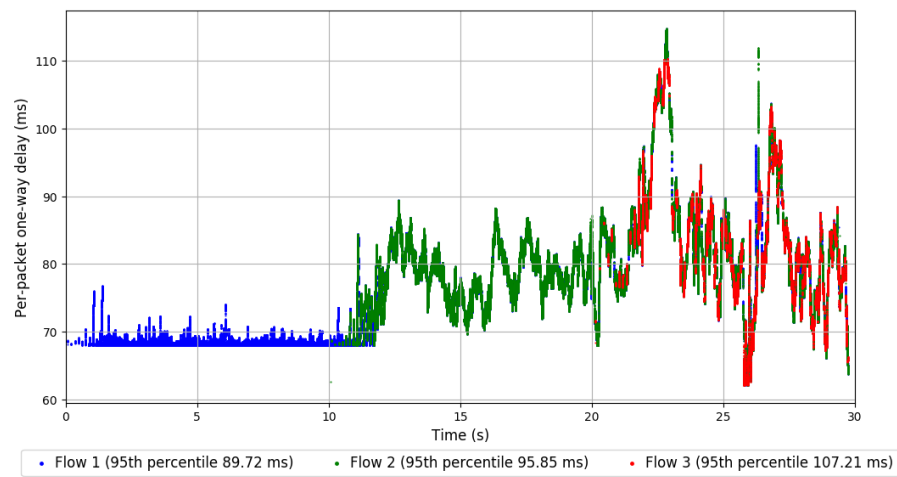
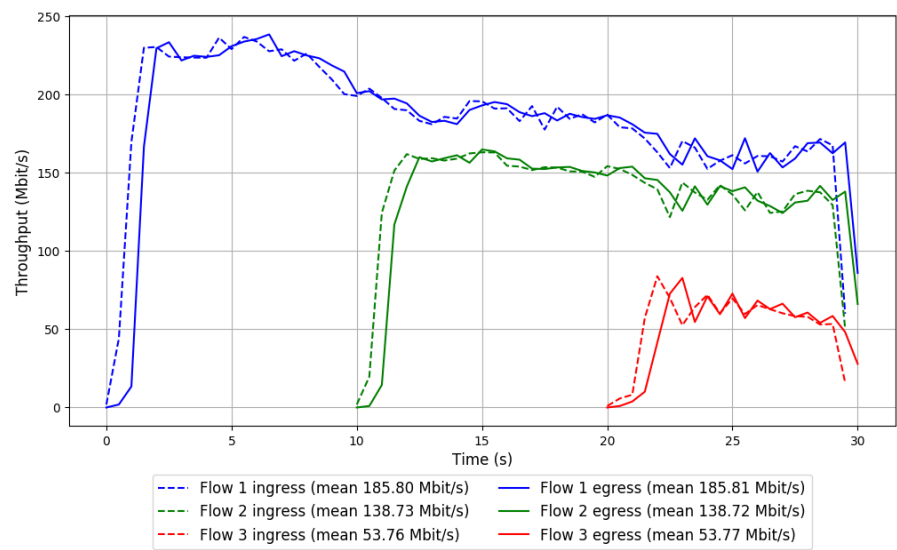
-- Flow 3:

Average throughput: 53.77 Mbit/s

95th percentile per-packet one-way delay: 107.209 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

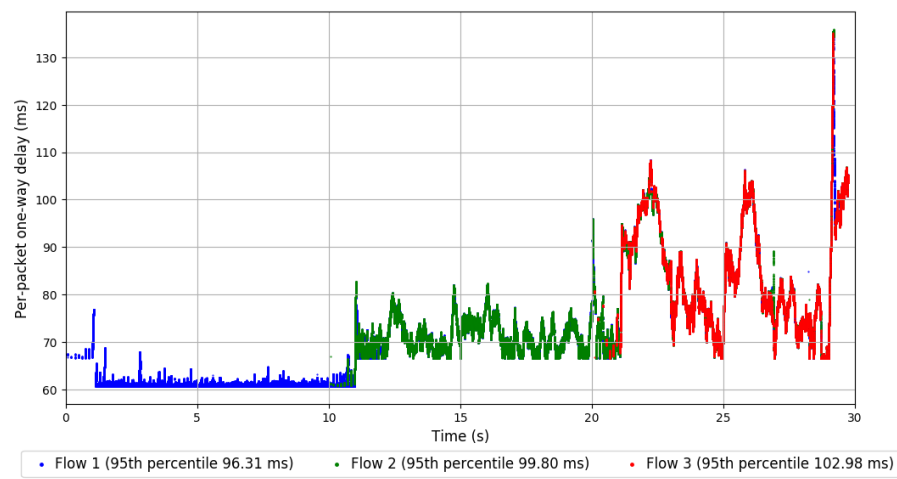
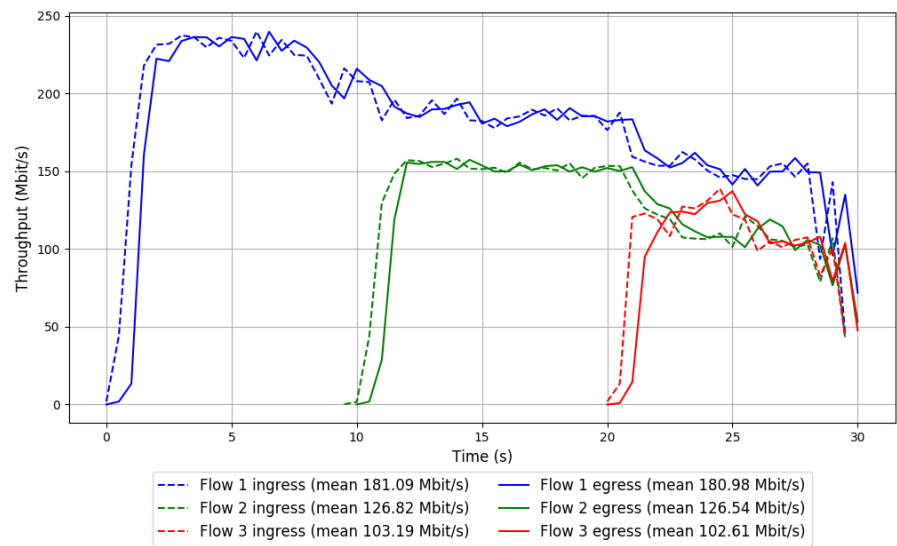


Run 6: Statistics of Indigo

Start at: 2018-07-19 06:22:03
End at: 2018-07-19 06:22:33
Local clock offset: 0.038 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-07-19 10:12:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 298.32 Mbit/s
95th percentile per-packet one-way delay: 99.243 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 180.98 Mbit/s
95th percentile per-packet one-way delay: 96.307 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 126.54 Mbit/s
95th percentile per-packet one-way delay: 99.798 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 102.61 Mbit/s
95th percentile per-packet one-way delay: 102.984 ms
Loss rate: 0.62%

Run 6: Report of Indigo — Data Link

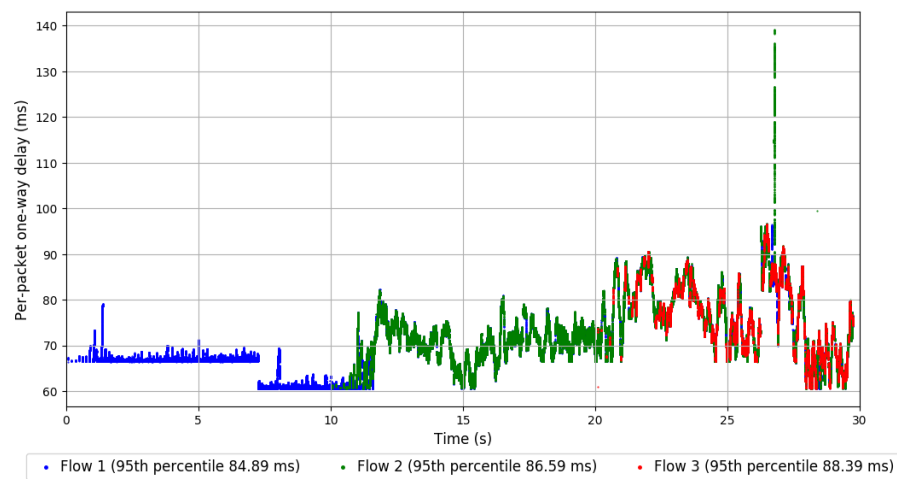
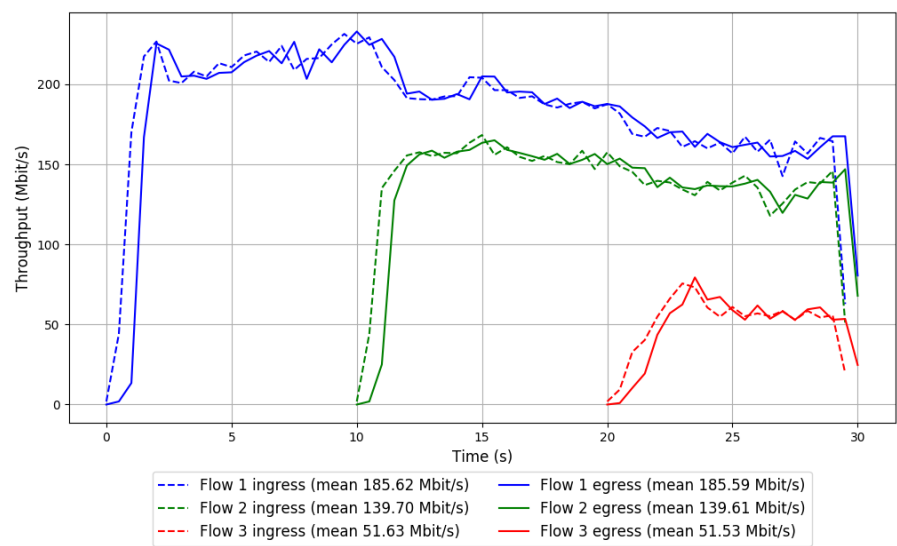


Run 7: Statistics of Indigo

Start at: 2018-07-19 06:45:57
End at: 2018-07-19 06:46:27
Local clock offset: -0.07 ms
Remote clock offset: -0.304 ms

```
# Below is generated by plot.py at 2018-07-19 10:12:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 294.95 Mbit/s
95th percentile per-packet one-way delay: 85.843 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 185.59 Mbit/s
95th percentile per-packet one-way delay: 84.890 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 139.61 Mbit/s
95th percentile per-packet one-way delay: 86.594 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 51.53 Mbit/s
95th percentile per-packet one-way delay: 88.388 ms
Loss rate: 0.19%
```


Run 7: Report of Indigo — Data Link

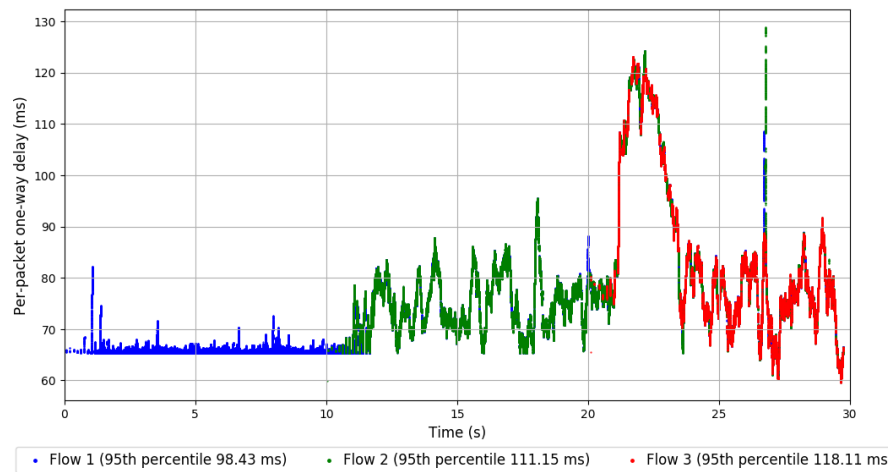
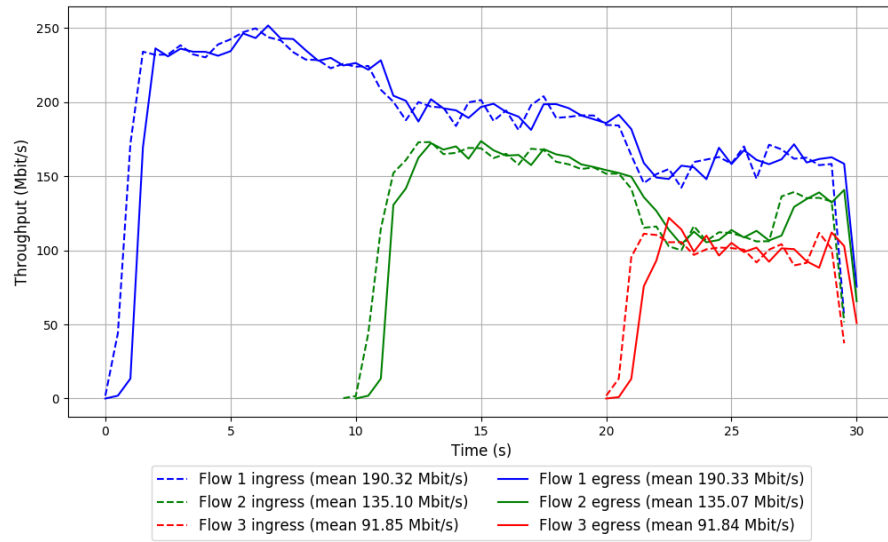


Run 8: Statistics of Indigo

Start at: 2018-07-19 07:09:36
End at: 2018-07-19 07:10:06
Local clock offset: -0.06 ms
Remote clock offset: -1.347 ms

```
# Below is generated by plot.py at 2018-07-19 10:12:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 309.80 Mbit/s
95th percentile per-packet one-way delay: 109.200 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 190.33 Mbit/s
95th percentile per-packet one-way delay: 98.427 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 135.07 Mbit/s
95th percentile per-packet one-way delay: 111.149 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 118.107 ms
Loss rate: 0.07%
```

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-19 07:33:29

End at: 2018-07-19 07:33:59

Local clock offset: -0.028 ms

Remote clock offset: -0.36 ms

Below is generated by plot.py at 2018-07-19 10:12:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 286.80 Mbit/s

95th percentile per-packet one-way delay: 87.225 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 180.24 Mbit/s

95th percentile per-packet one-way delay: 84.943 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 134.73 Mbit/s

95th percentile per-packet one-way delay: 88.699 ms

Loss rate: 0.06%

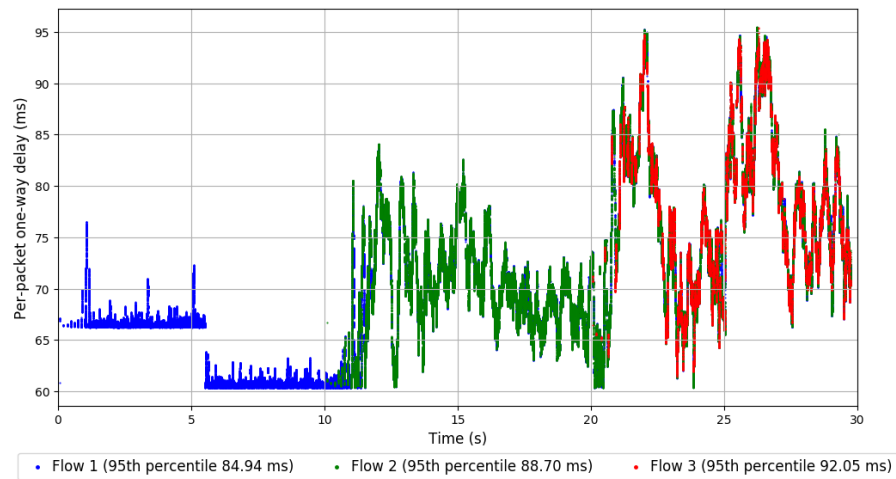
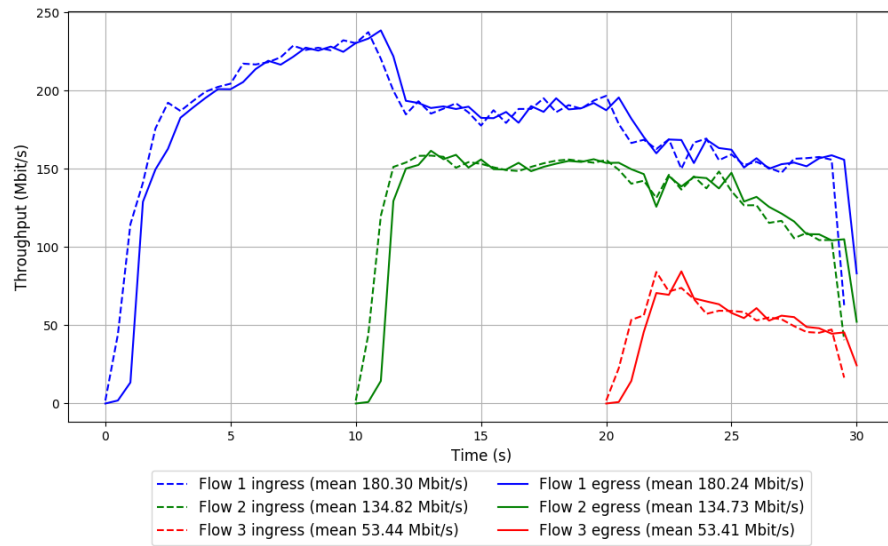
-- Flow 3:

Average throughput: 53.41 Mbit/s

95th percentile per-packet one-way delay: 92.046 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-19 07:57:24

End at: 2018-07-19 07:57:54

Local clock offset: -0.021 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-19 10:12:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 293.80 Mbit/s

95th percentile per-packet one-way delay: 117.327 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 181.55 Mbit/s

95th percentile per-packet one-way delay: 104.752 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 124.39 Mbit/s

95th percentile per-packet one-way delay: 120.094 ms

Loss rate: 0.05%

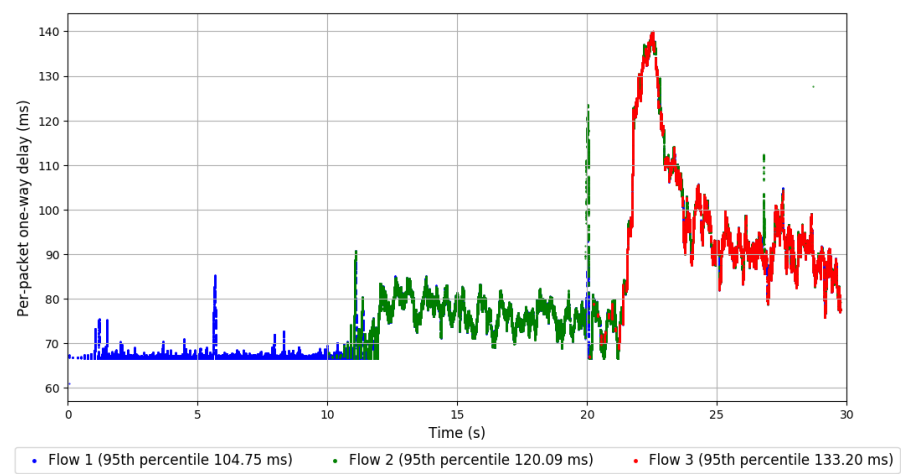
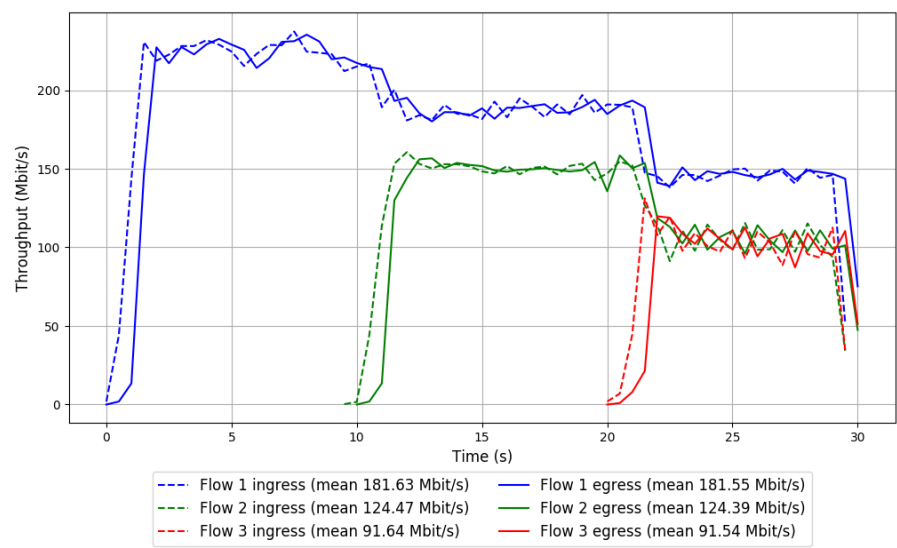
-- Flow 3:

Average throughput: 91.54 Mbit/s

95th percentile per-packet one-way delay: 133.200 ms

Loss rate: 0.10%

Run 10: Report of Indigo — Data Link

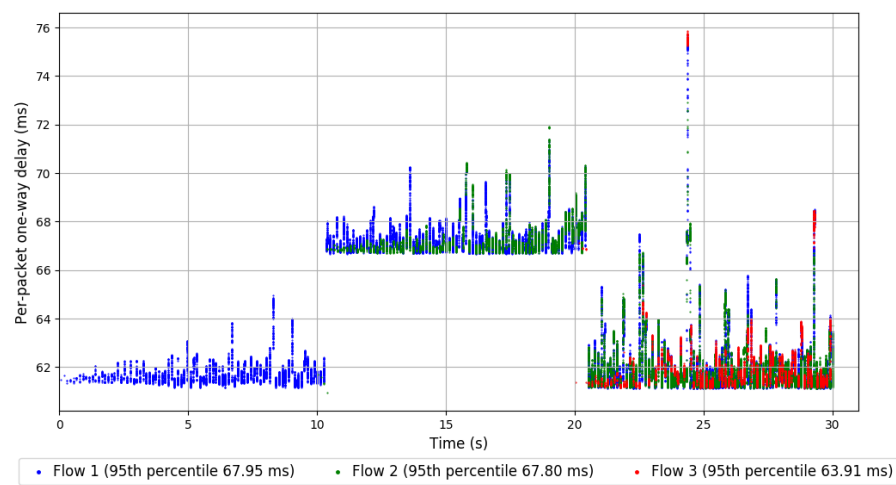
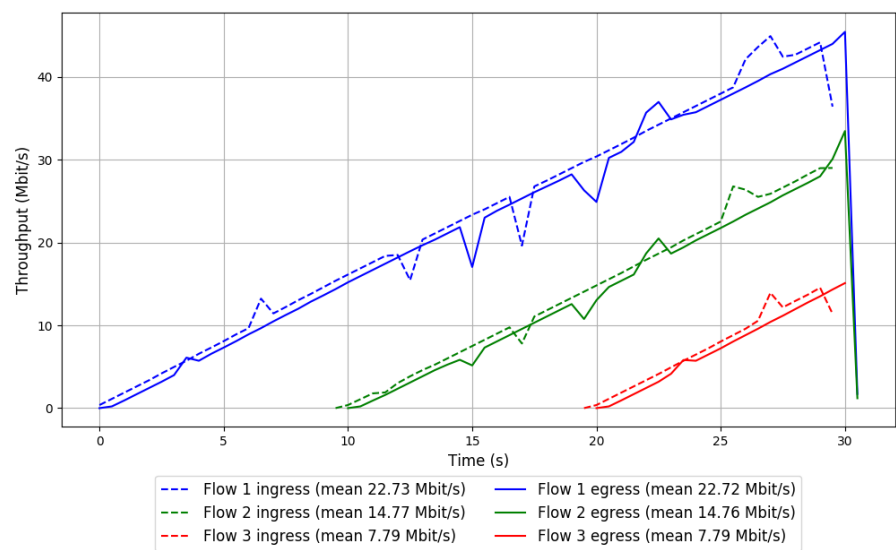


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-19 04:23:44
End at: 2018-07-19 04:24:14
Local clock offset: -0.016 ms
Remote clock offset: 0.1 ms

# Below is generated by plot.py at 2018-07-19 10:12:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 35.13 Mbit/s
95th percentile per-packet one-way delay: 67.898 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 22.72 Mbit/s
95th percentile per-packet one-way delay: 67.948 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 14.76 Mbit/s
95th percentile per-packet one-way delay: 67.801 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 63.909 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

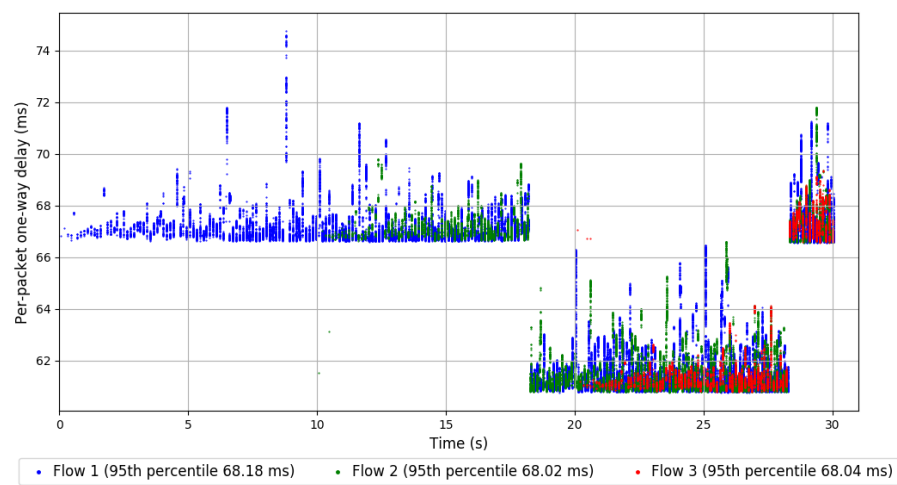
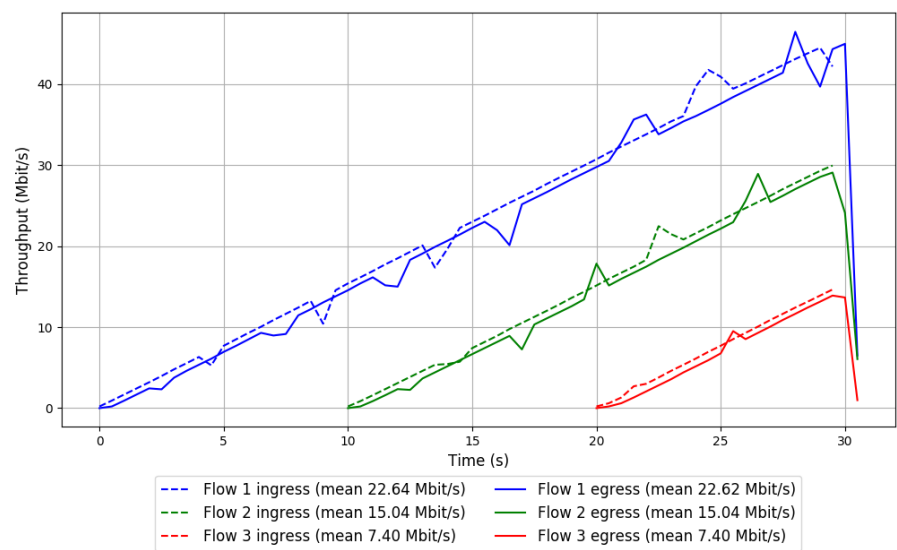


Run 2: Statistics of LEDBAT

Start at: 2018-07-19 04:47:16
End at: 2018-07-19 04:47:46
Local clock offset: -0.058 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-19 10:12:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.07 Mbit/s
95th percentile per-packet one-way delay: 68.103 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 22.62 Mbit/s
95th percentile per-packet one-way delay: 68.182 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 15.04 Mbit/s
95th percentile per-packet one-way delay: 68.015 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.40 Mbit/s
95th percentile per-packet one-way delay: 68.040 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

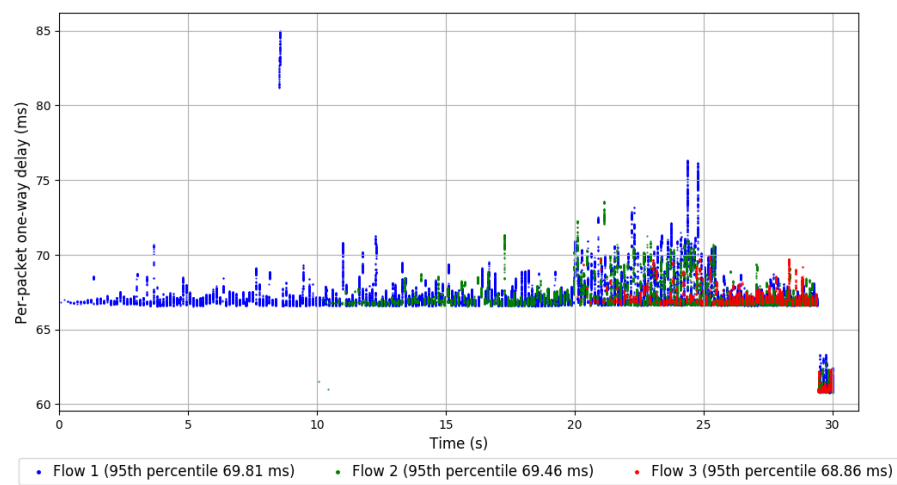
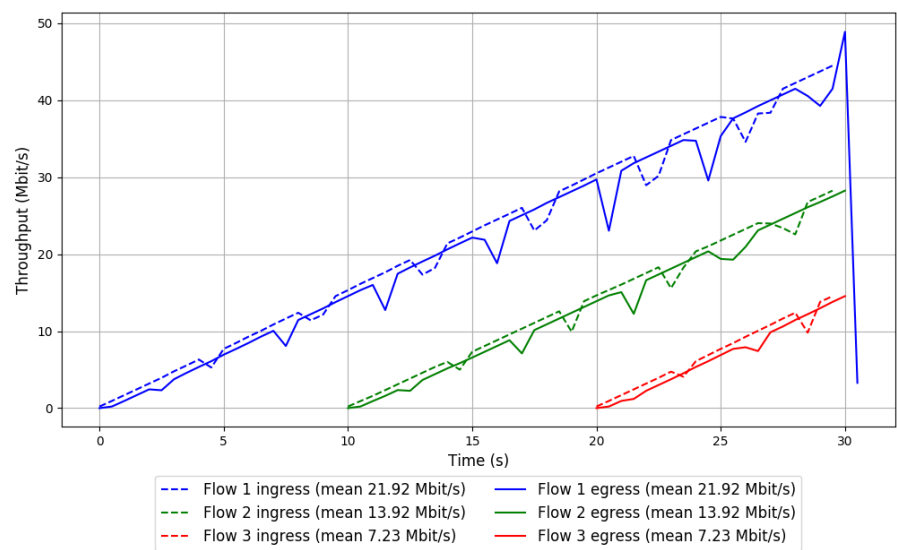


Run 3: Statistics of LEDBAT

Start at: 2018-07-19 05:11:15
End at: 2018-07-19 05:11:45
Local clock offset: 0.009 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-19 10:12:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.56 Mbit/s
95th percentile per-packet one-way delay: 69.597 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.92 Mbit/s
95th percentile per-packet one-way delay: 69.808 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.92 Mbit/s
95th percentile per-packet one-way delay: 69.456 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 68.858 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-19 05:34:53

End at: 2018-07-19 05:35:23

Local clock offset: 0.015 ms

Remote clock offset: 0.455 ms

Below is generated by plot.py at 2018-07-19 10:12:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 33.58 Mbit/s

95th percentile per-packet one-way delay: 68.814 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 21.45 Mbit/s

95th percentile per-packet one-way delay: 68.723 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 15.10 Mbit/s

95th percentile per-packet one-way delay: 69.032 ms

Loss rate: 0.00%

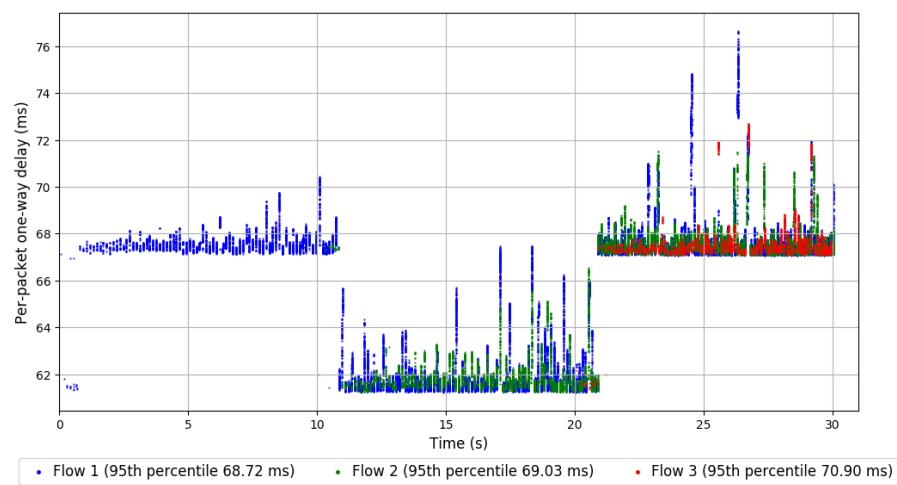
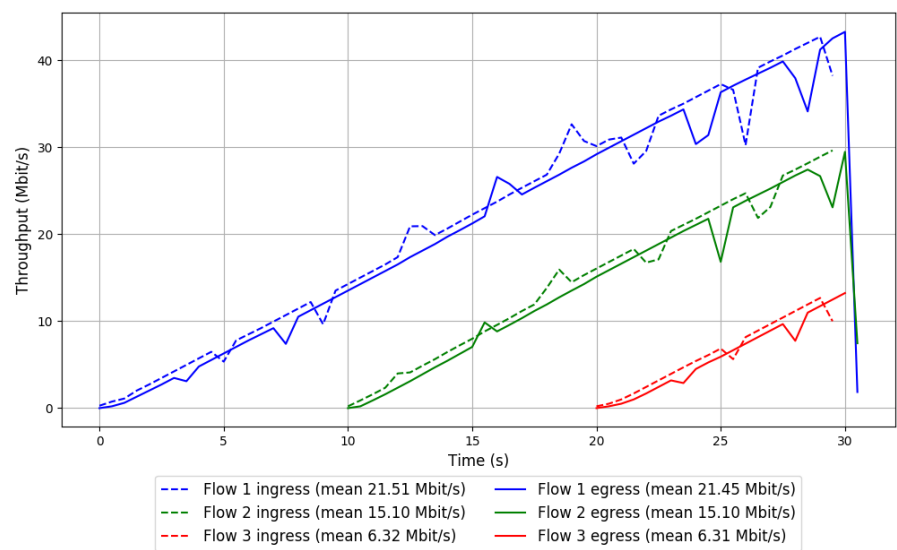
-- Flow 3:

Average throughput: 6.31 Mbit/s

95th percentile per-packet one-way delay: 70.896 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

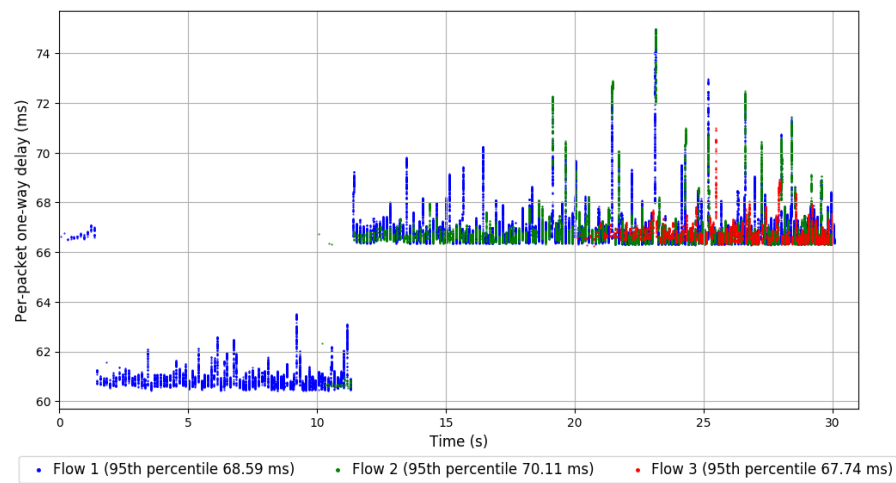
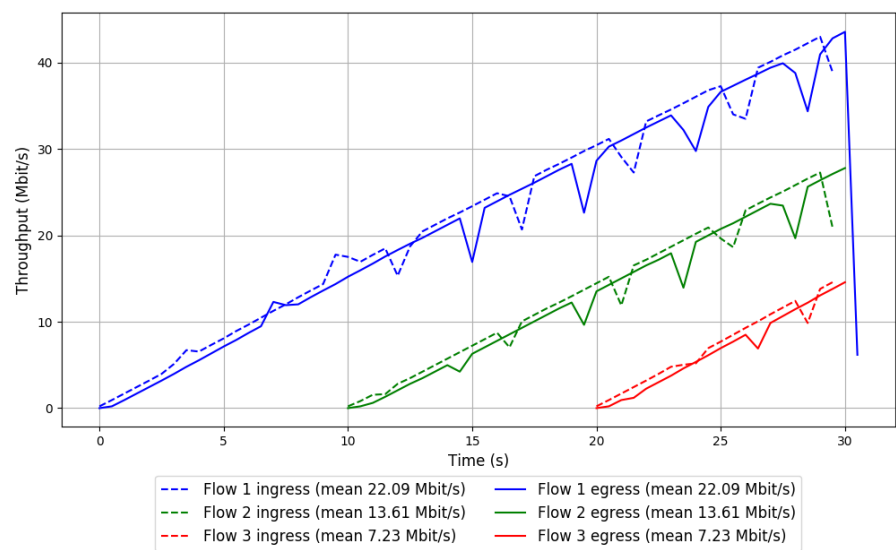


Run 5: Statistics of LEDBAT

Start at: 2018-07-19 05:59:23
End at: 2018-07-19 05:59:53
Local clock offset: -0.024 ms
Remote clock offset: -0.421 ms

Below is generated by plot.py at 2018-07-19 10:12:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.50 Mbit/s
95th percentile per-packet one-way delay: 68.788 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.09 Mbit/s
95th percentile per-packet one-way delay: 68.587 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.61 Mbit/s
95th percentile per-packet one-way delay: 70.107 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 67.744 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-19 06:23:32

End at: 2018-07-19 06:24:02

Local clock offset: -0.006 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-07-19 10:12:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.82 Mbit/s

95th percentile per-packet one-way delay: 67.256 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 22.72 Mbit/s

95th percentile per-packet one-way delay: 67.397 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.82 Mbit/s

95th percentile per-packet one-way delay: 63.371 ms

Loss rate: 0.00%

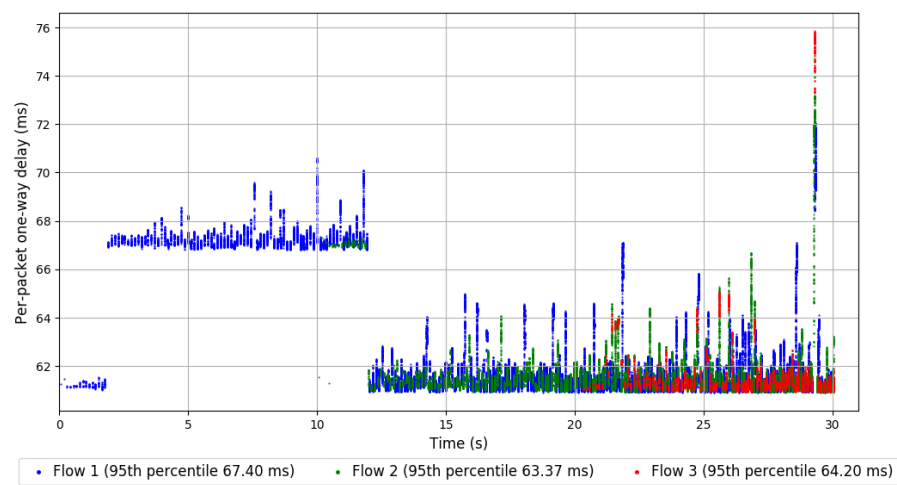
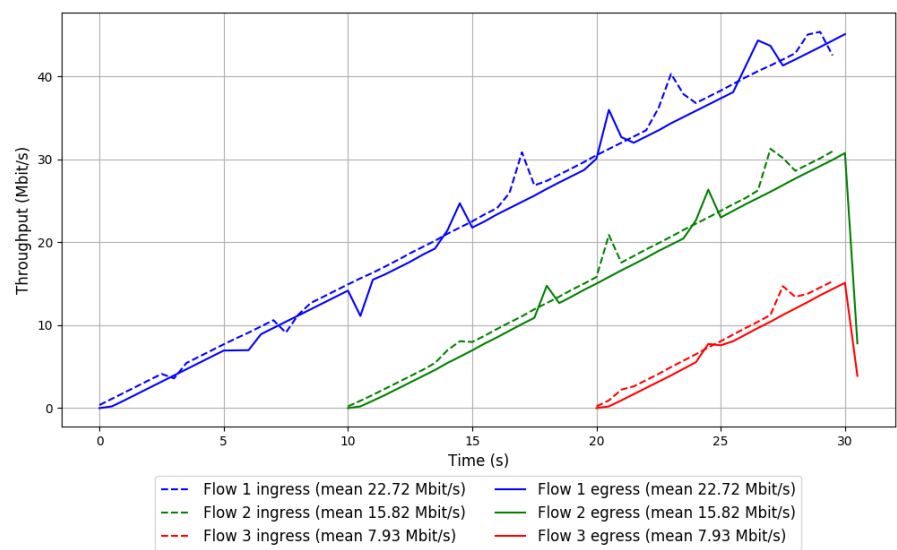
-- Flow 3:

Average throughput: 7.93 Mbit/s

95th percentile per-packet one-way delay: 64.198 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-19 06:47:27

End at: 2018-07-19 06:47:57

Local clock offset: -0.042 ms

Remote clock offset: 1.093 ms

Below is generated by plot.py at 2018-07-19 10:12:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 29.12 Mbit/s

95th percentile per-packet one-way delay: 69.039 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 16.63 Mbit/s

95th percentile per-packet one-way delay: 69.029 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.92 Mbit/s

95th percentile per-packet one-way delay: 69.083 ms

Loss rate: 0.00%

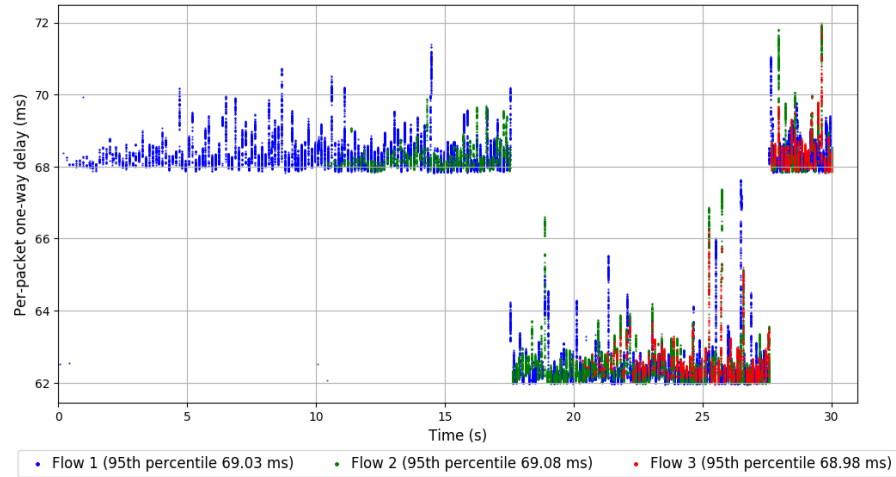
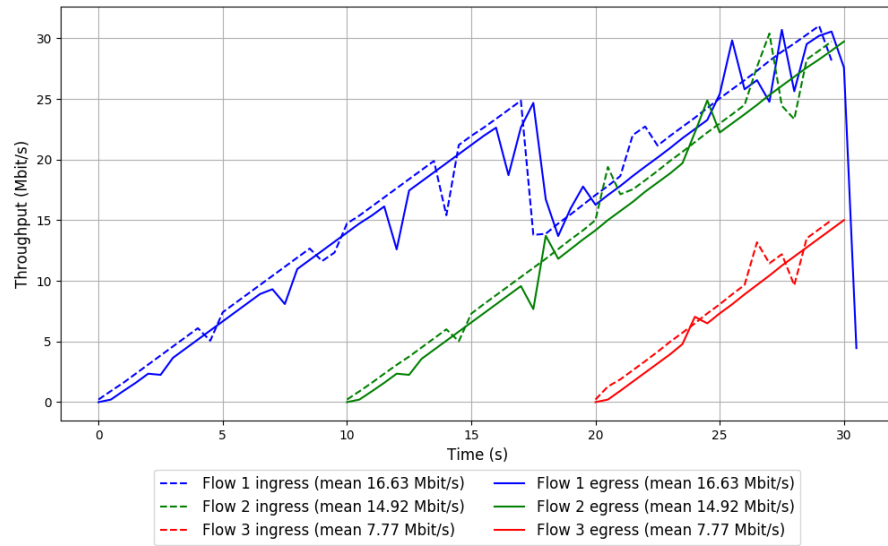
-- Flow 3:

Average throughput: 7.77 Mbit/s

95th percentile per-packet one-way delay: 68.977 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

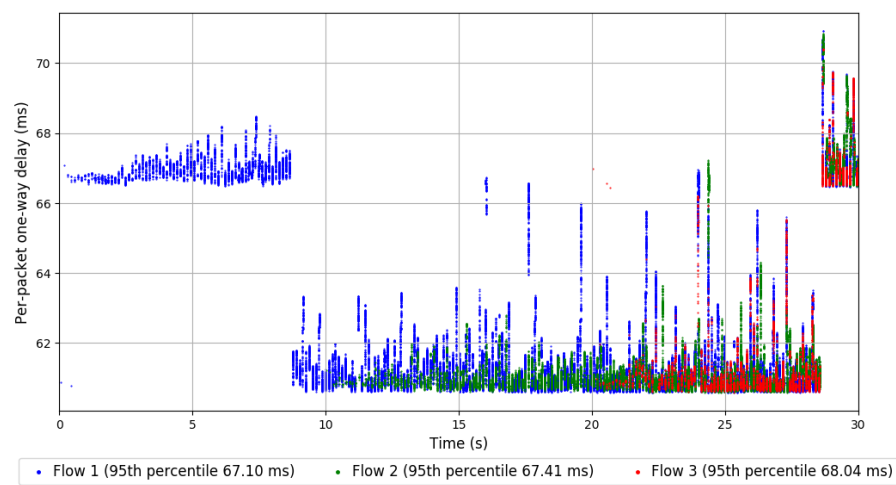
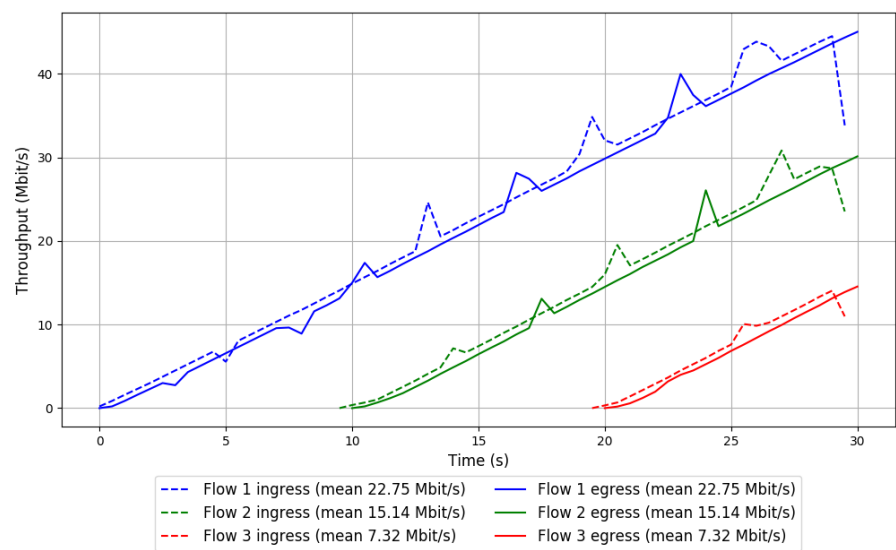


Run 8: Statistics of LEDBAT

Start at: 2018-07-19 07:11:06
End at: 2018-07-19 07:11:36
Local clock offset: -0.044 ms
Remote clock offset: -0.187 ms

```
# Below is generated by plot.py at 2018-07-19 10:12:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 35.26 Mbit/s
95th percentile per-packet one-way delay: 67.190 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.75 Mbit/s
95th percentile per-packet one-way delay: 67.102 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.14 Mbit/s
95th percentile per-packet one-way delay: 67.409 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: 68.039 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-19 07:34:57

End at: 2018-07-19 07:35:27

Local clock offset: 0.035 ms

Remote clock offset: 1.074 ms

Below is generated by plot.py at 2018-07-19 10:12:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 34.40 Mbit/s

95th percentile per-packet one-way delay: 69.385 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 22.57 Mbit/s

95th percentile per-packet one-way delay: 69.216 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.26 Mbit/s

95th percentile per-packet one-way delay: 69.539 ms

Loss rate: 0.05%

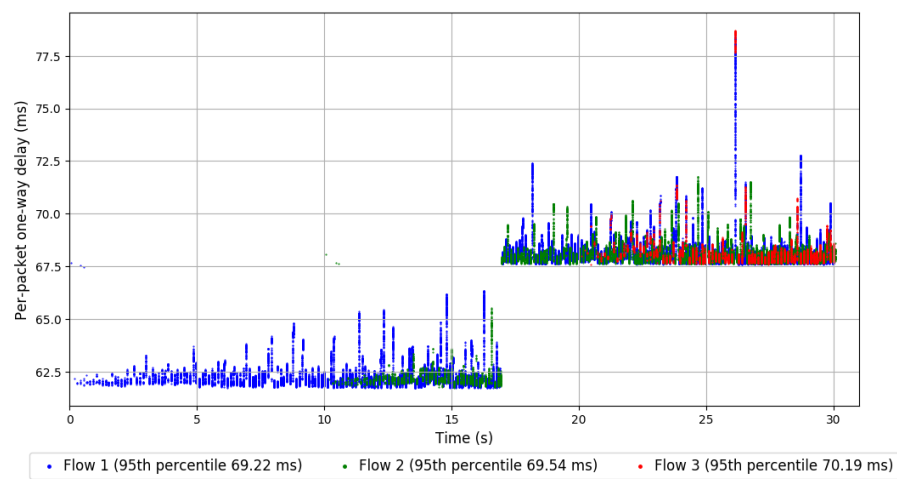
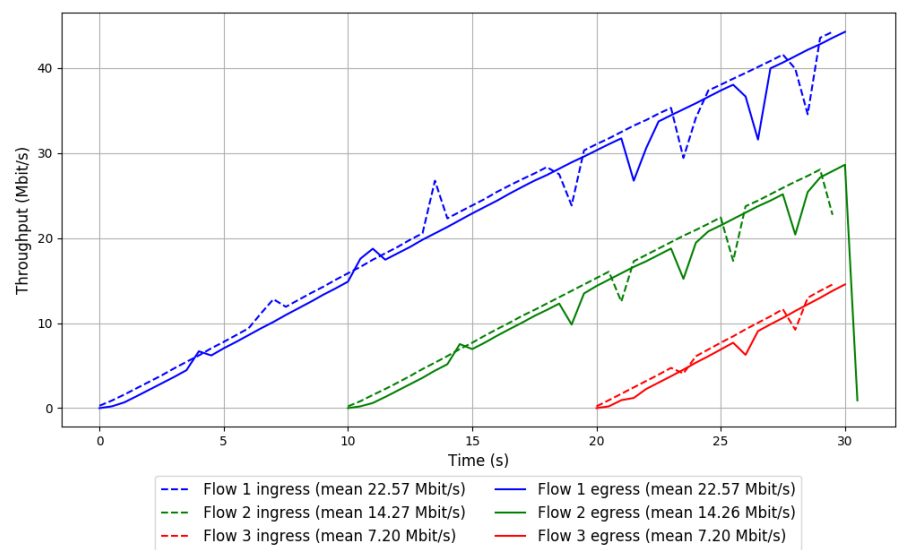
-- Flow 3:

Average throughput: 7.20 Mbit/s

95th percentile per-packet one-way delay: 70.185 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

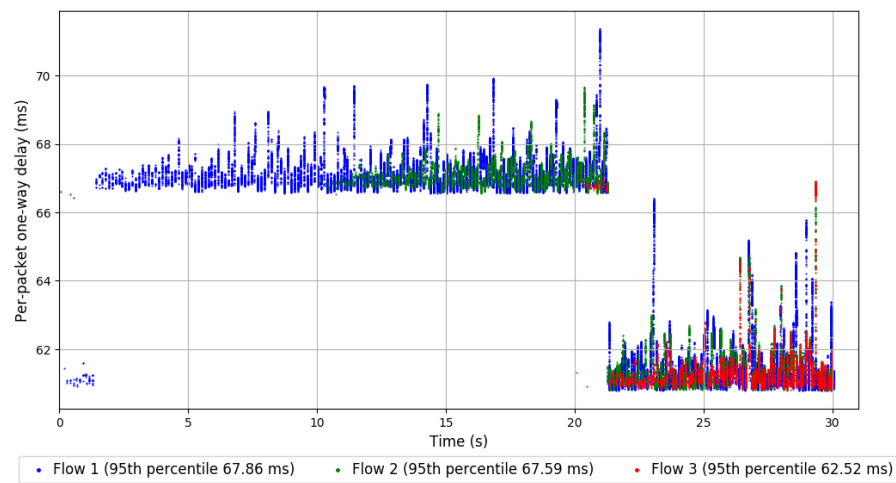
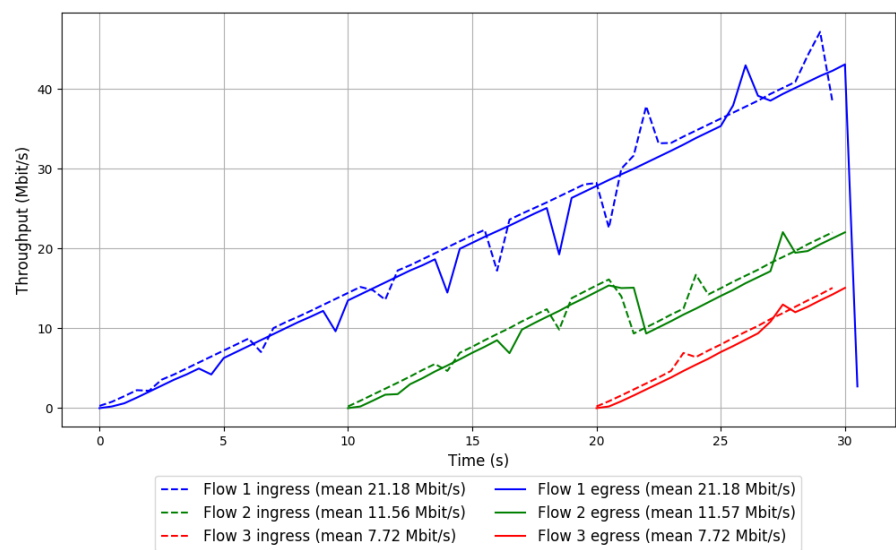


Run 10: Statistics of LEDBAT

Start at: 2018-07-19 07:58:53
End at: 2018-07-19 07:59:23
Local clock offset: -0.071 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-19 10:12:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 67.747 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.18 Mbit/s
95th percentile per-packet one-way delay: 67.857 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 67.588 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.72 Mbit/s
95th percentile per-packet one-way delay: 62.517 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

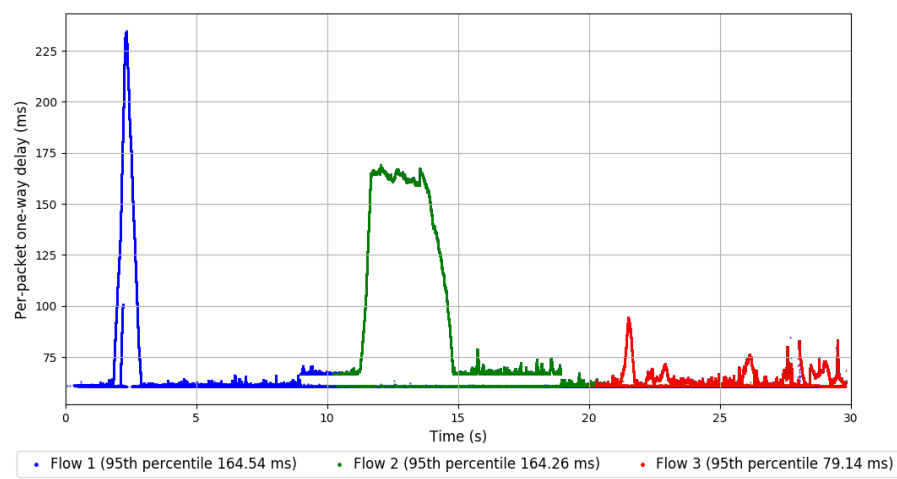
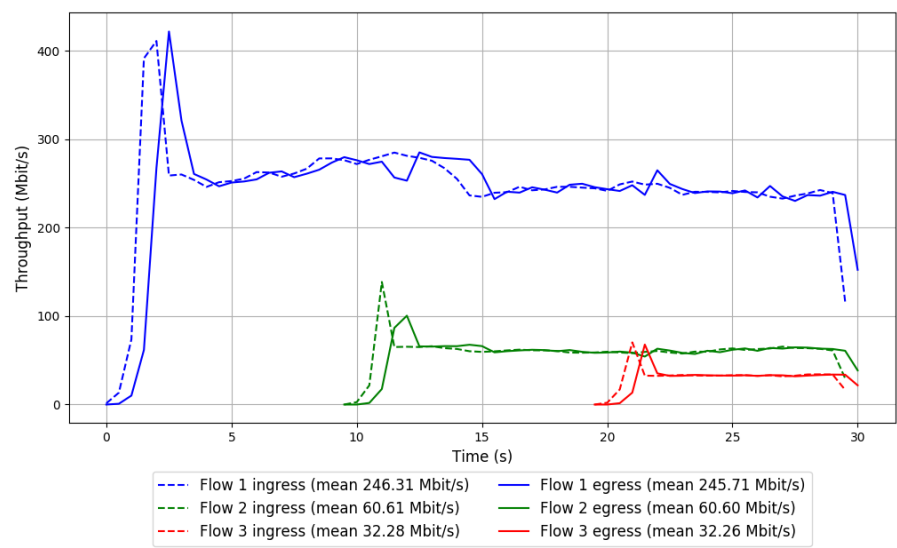


Run 1: Statistics of PCC-Allegro

Start at: 2018-07-19 04:24:55
End at: 2018-07-19 04:25:25
Local clock offset: -0.093 ms
Remote clock offset: -0.202 ms

Below is generated by plot.py at 2018-07-19 10:12:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 296.76 Mbit/s
95th percentile per-packet one-way delay: 164.393 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 245.71 Mbit/s
95th percentile per-packet one-way delay: 164.537 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 60.60 Mbit/s
95th percentile per-packet one-way delay: 164.259 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 32.26 Mbit/s
95th percentile per-packet one-way delay: 79.136 ms
Loss rate: 0.01%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-19 04:48:27

End at: 2018-07-19 04:48:57

Local clock offset: -0.063 ms

Remote clock offset: 0.317 ms

Below is generated by plot.py at 2018-07-19 10:12:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 280.36 Mbit/s

95th percentile per-packet one-way delay: 134.461 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 237.57 Mbit/s

95th percentile per-packet one-way delay: 135.054 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 32.35 Mbit/s

95th percentile per-packet one-way delay: 130.645 ms

Loss rate: 0.00%

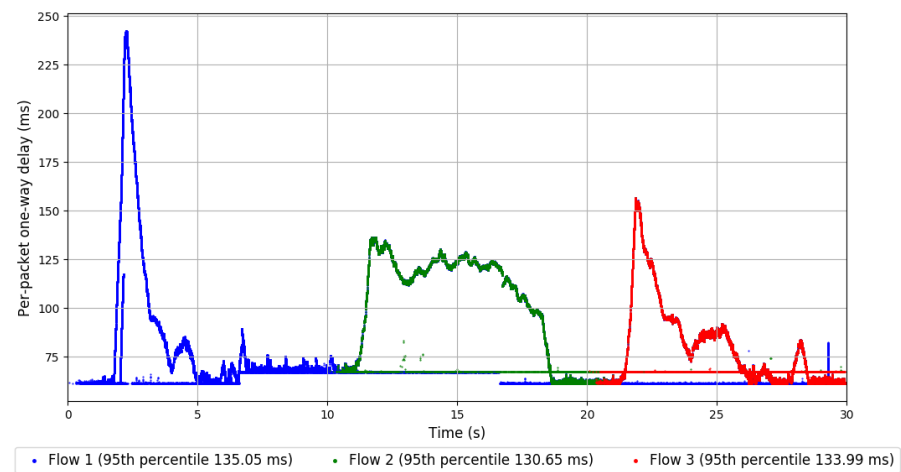
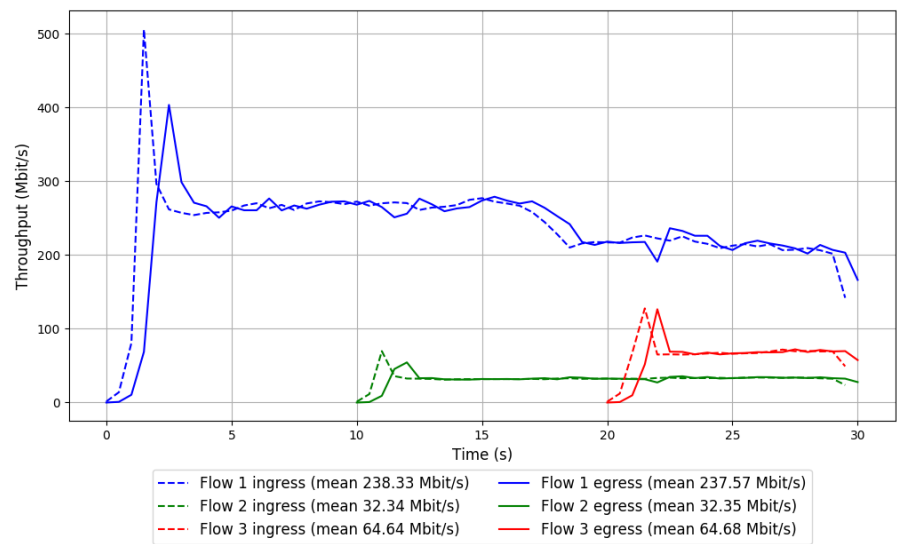
-- Flow 3:

Average throughput: 64.68 Mbit/s

95th percentile per-packet one-way delay: 133.987 ms

Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link

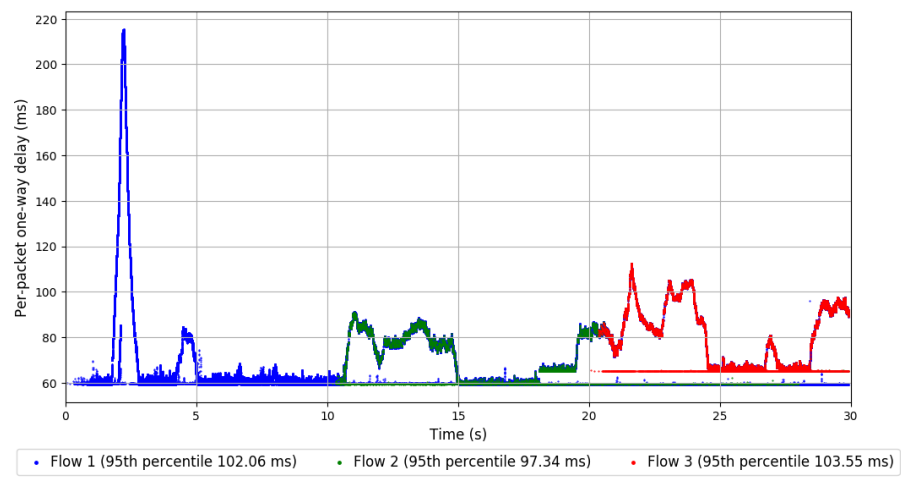
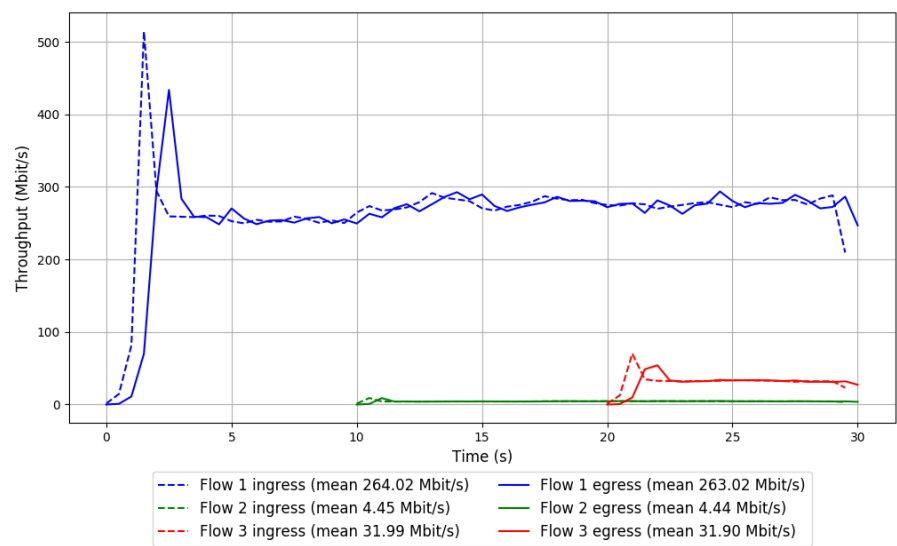


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-19 05:12:26
End at: 2018-07-19 05:12:56
Local clock offset: -0.004 ms
Remote clock offset: -1.495 ms

Below is generated by plot.py at 2018-07-19 10:12:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 276.49 Mbit/s
95th percentile per-packet one-way delay: 102.156 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 263.02 Mbit/s
95th percentile per-packet one-way delay: 102.057 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 97.341 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 103.550 ms
Loss rate: 0.33%

Run 3: Report of PCC-Allegro — Data Link

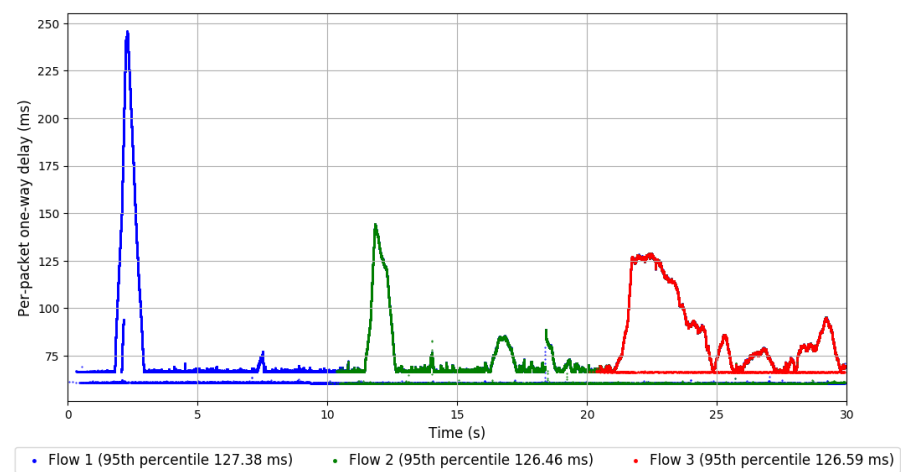
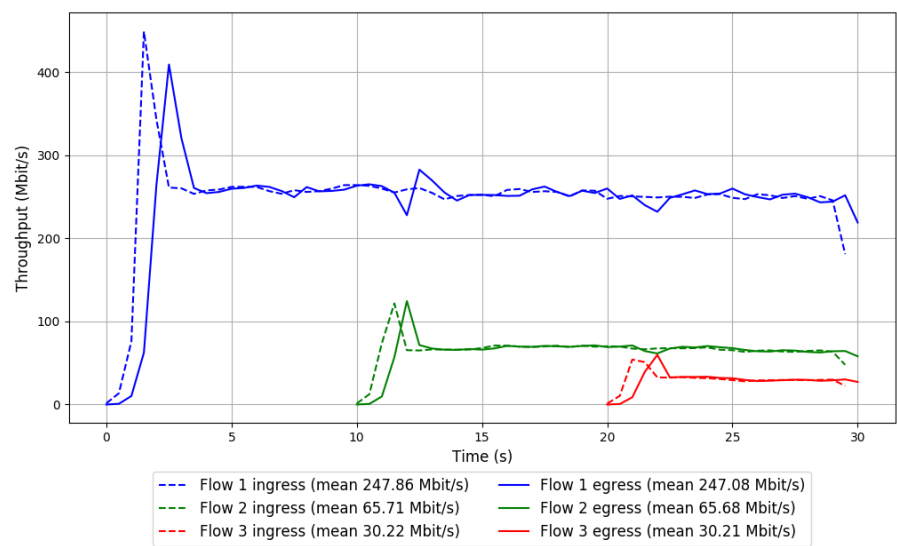


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-19 05:36:05
End at: 2018-07-19 05:36:35
Local clock offset: 0.013 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-19 10:12:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 300.69 Mbit/s
95th percentile per-packet one-way delay: 127.080 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 247.08 Mbit/s
95th percentile per-packet one-way delay: 127.382 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 65.68 Mbit/s
95th percentile per-packet one-way delay: 126.463 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 30.21 Mbit/s
95th percentile per-packet one-way delay: 126.594 ms
Loss rate: 0.02%

Run 4: Report of PCC-Allegro — Data Link

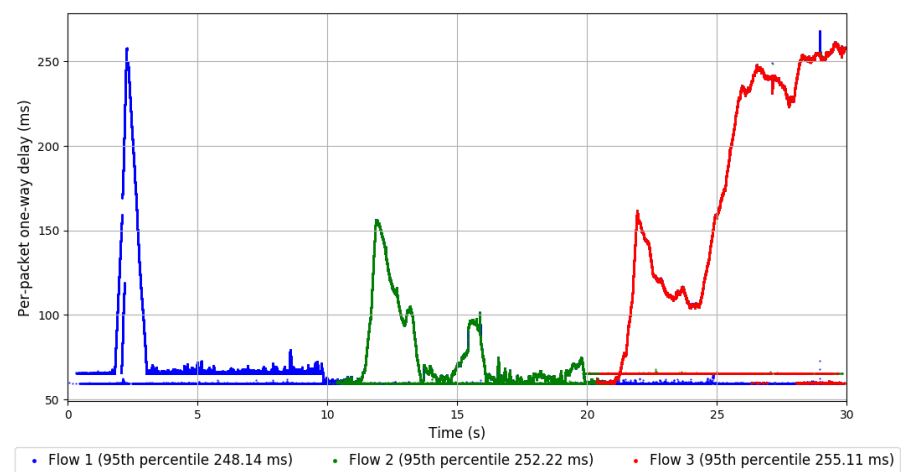
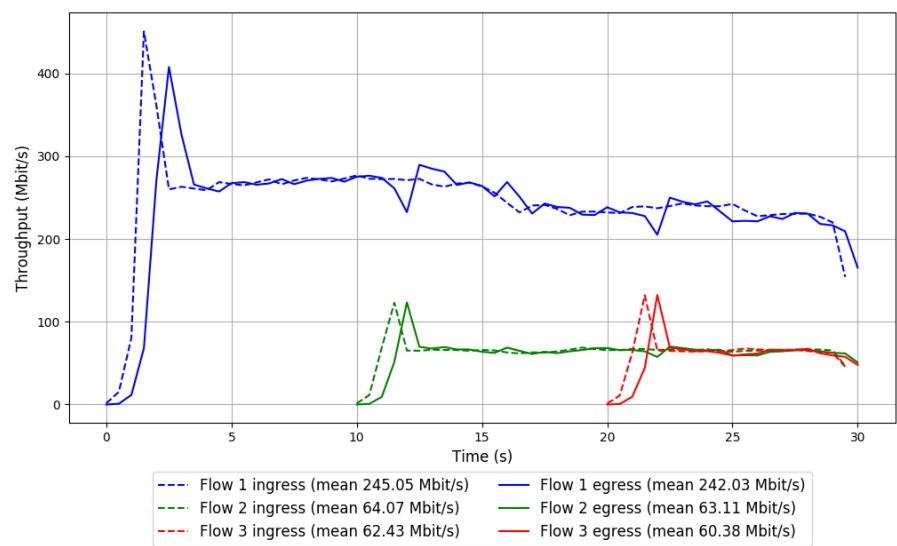


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-19 06:00:34
End at: 2018-07-19 06:01:04
Local clock offset: 0.032 ms
Remote clock offset: -1.281 ms

Below is generated by plot.py at 2018-07-19 10:12:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 303.85 Mbit/s
95th percentile per-packet one-way delay: 251.081 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 242.03 Mbit/s
95th percentile per-packet one-way delay: 248.137 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 63.11 Mbit/s
95th percentile per-packet one-way delay: 252.216 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 60.38 Mbit/s
95th percentile per-packet one-way delay: 255.112 ms
Loss rate: 3.33%

Run 5: Report of PCC-Allegro — Data Link

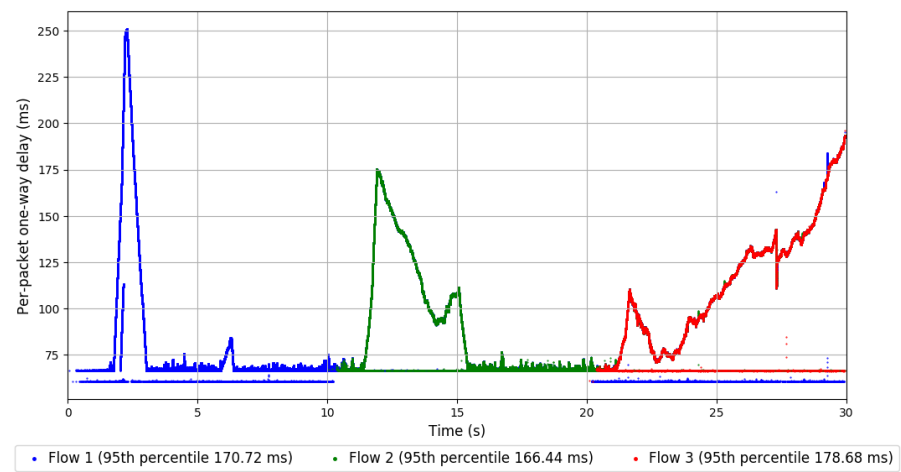
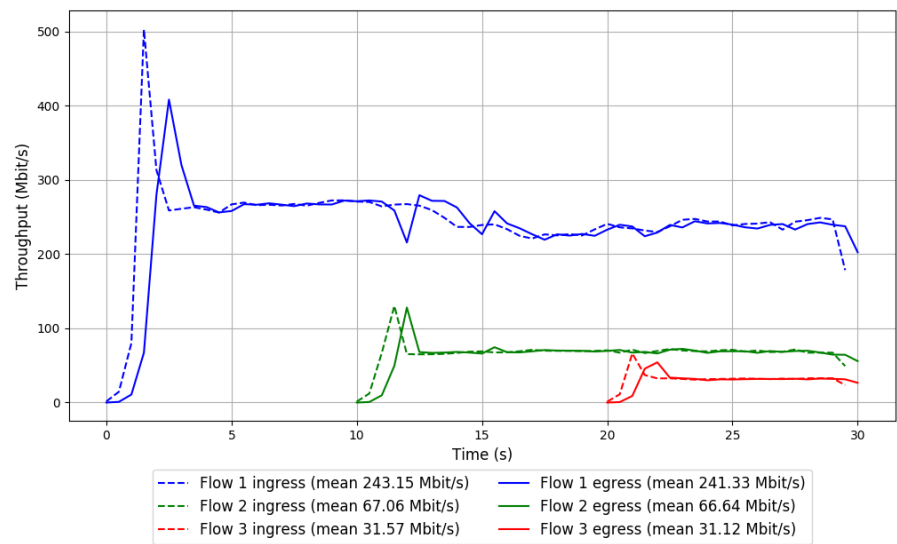


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-19 06:24:44
End at: 2018-07-19 06:25:14
Local clock offset: 0.018 ms
Remote clock offset: -0.277 ms

Below is generated by plot.py at 2018-07-19 10:12:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 295.85 Mbit/s
95th percentile per-packet one-way delay: 170.216 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 241.33 Mbit/s
95th percentile per-packet one-way delay: 170.715 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 66.64 Mbit/s
95th percentile per-packet one-way delay: 166.435 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 178.677 ms
Loss rate: 1.38%

Run 6: Report of PCC-Allegro — Data Link

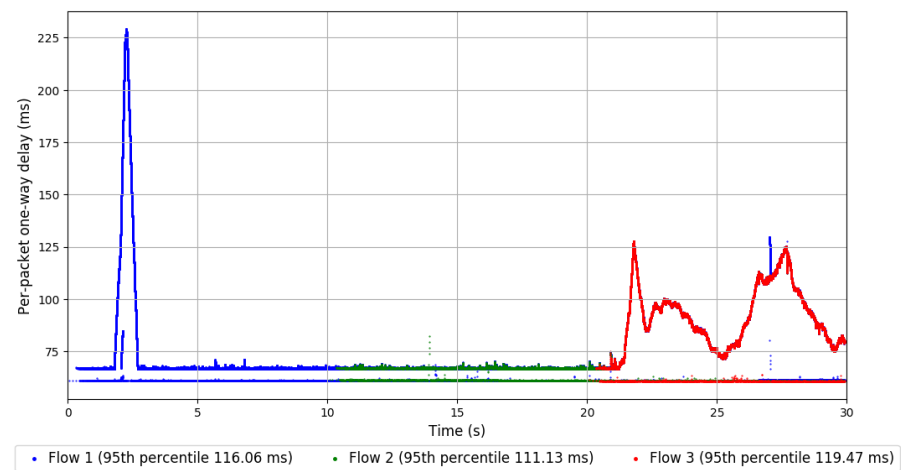
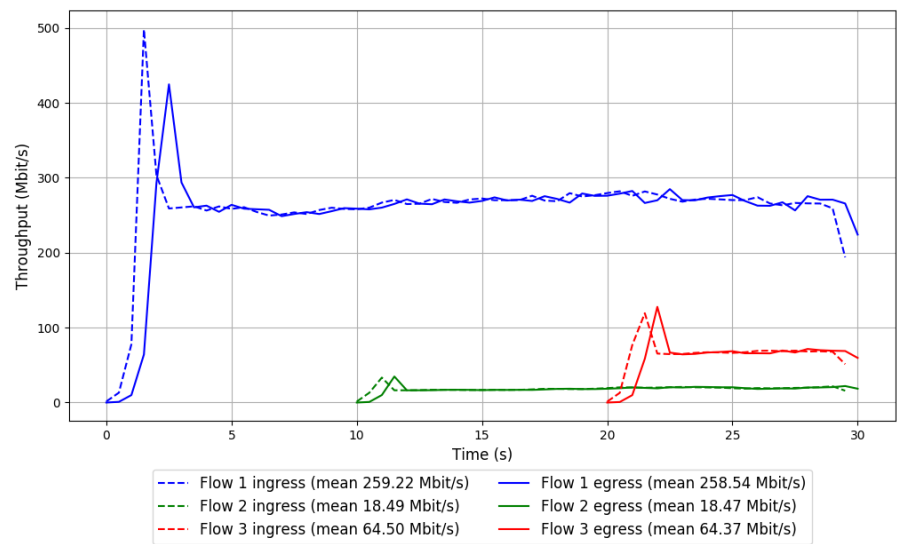


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-19 06:48:38
End at: 2018-07-19 06:49:08
Local clock offset: -0.04 ms
Remote clock offset: -0.071 ms

```
# Below is generated by plot.py at 2018-07-19 10:12:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 292.04 Mbit/s
95th percentile per-packet one-way delay: 116.292 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 258.54 Mbit/s
95th percentile per-packet one-way delay: 116.057 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 18.47 Mbit/s
95th percentile per-packet one-way delay: 111.128 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 64.37 Mbit/s
95th percentile per-packet one-way delay: 119.471 ms
Loss rate: 0.19%
```


Run 7: Report of PCC-Allegro — Data Link

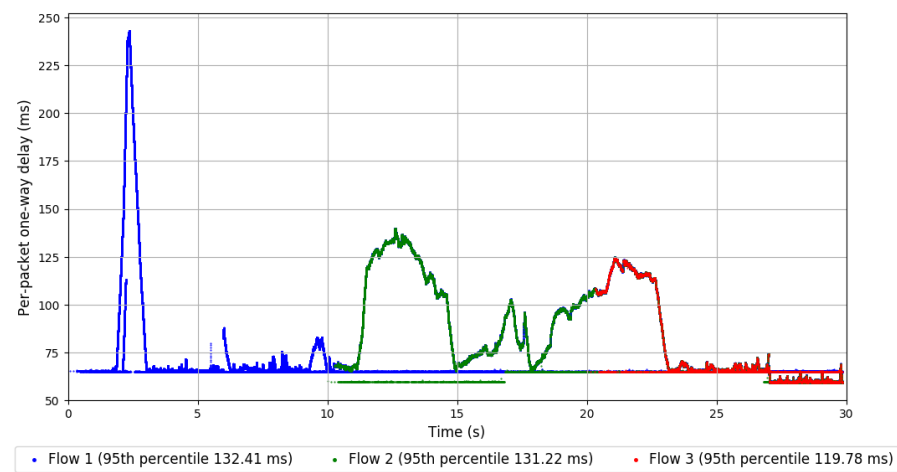
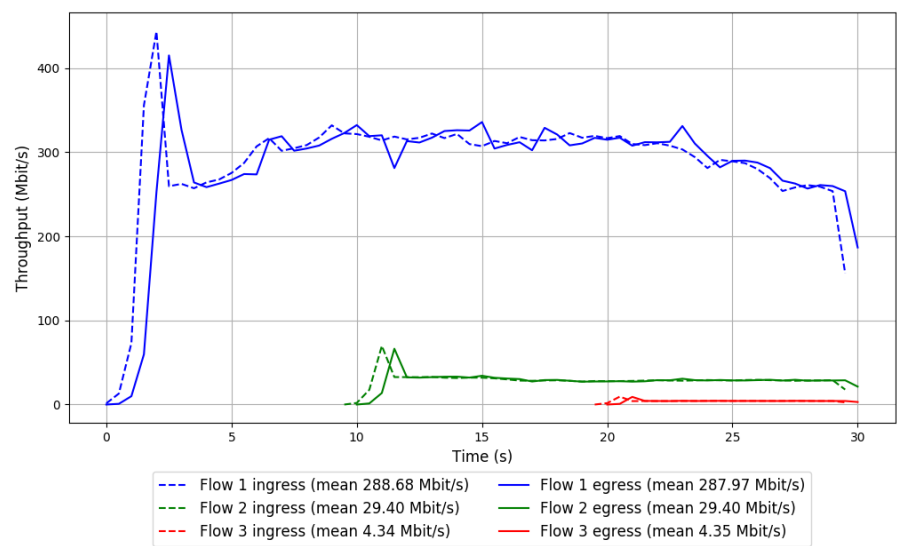


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-19 07:12:17
End at: 2018-07-19 07:12:47
Local clock offset: -0.069 ms
Remote clock offset: -1.387 ms

Below is generated by plot.py at 2018-07-19 10:12:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 308.99 Mbit/s
95th percentile per-packet one-way delay: 132.339 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 287.97 Mbit/s
95th percentile per-packet one-way delay: 132.408 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 29.40 Mbit/s
95th percentile per-packet one-way delay: 131.219 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 119.776 ms
Loss rate: 0.02%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-19 07:36:09

End at: 2018-07-19 07:36:39

Local clock offset: -0.072 ms

Remote clock offset: 0.135 ms

Below is generated by plot.py at 2018-07-19 10:13:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 321.77 Mbit/s

95th percentile per-packet one-way delay: 154.379 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 279.19 Mbit/s

95th percentile per-packet one-way delay: 154.447 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 61.92 Mbit/s

95th percentile per-packet one-way delay: 154.253 ms

Loss rate: 0.28%

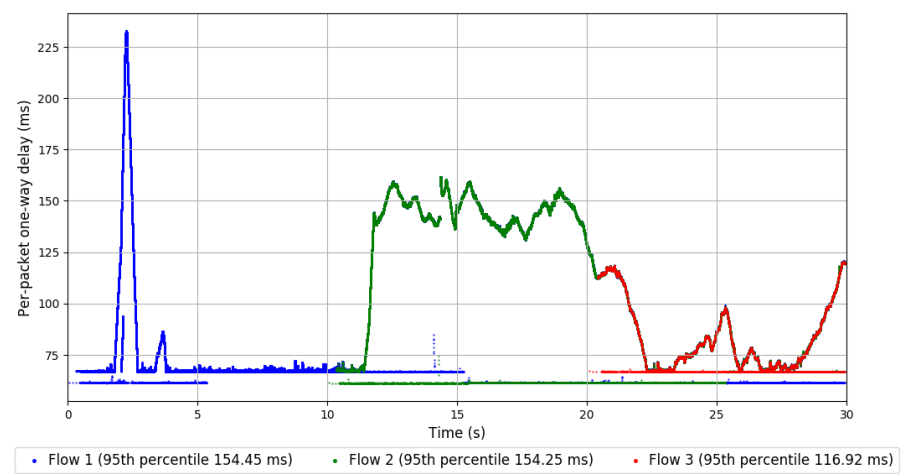
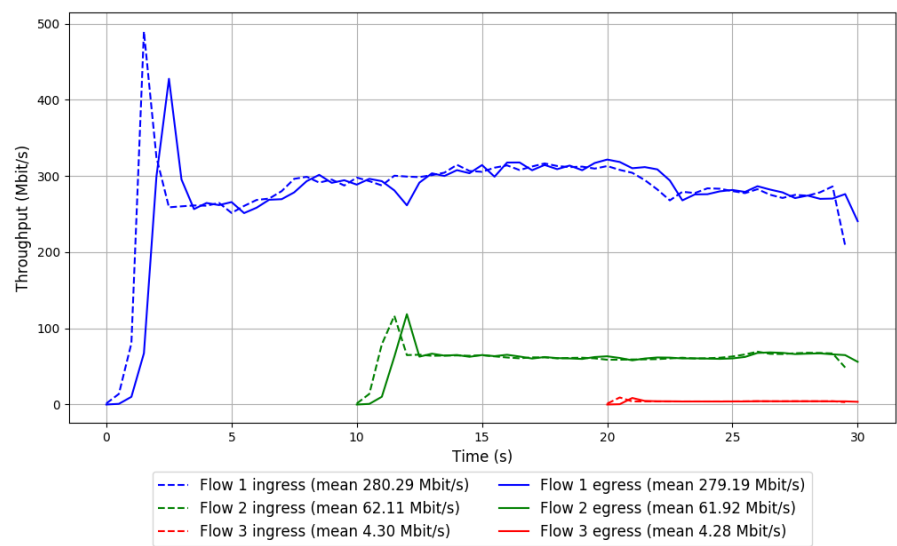
-- Flow 3:

Average throughput: 4.28 Mbit/s

95th percentile per-packet one-way delay: 116.924 ms

Loss rate: 0.48%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-19 08:00:04

End at: 2018-07-19 08:00:34

Local clock offset: -0.068 ms

Remote clock offset: 1.528 ms

Below is generated by plot.py at 2018-07-19 10:14:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 276.02 Mbit/s

95th percentile per-packet one-way delay: 142.258 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 224.03 Mbit/s

95th percentile per-packet one-way delay: 144.390 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 62.20 Mbit/s

95th percentile per-packet one-way delay: 139.420 ms

Loss rate: 0.00%

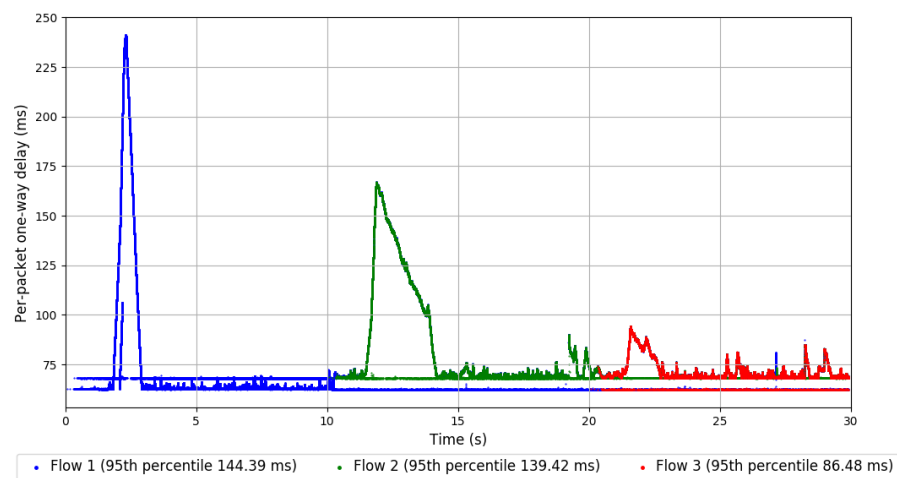
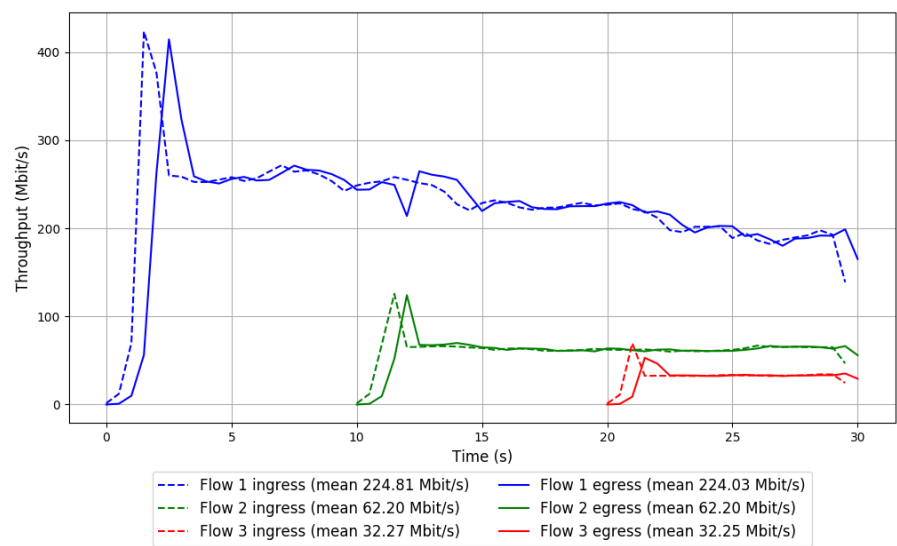
-- Flow 3:

Average throughput: 32.25 Mbit/s

95th percentile per-packet one-way delay: 86.484 ms

Loss rate: 0.00%

Run 10: Report of PCC-Allegro — Data Link

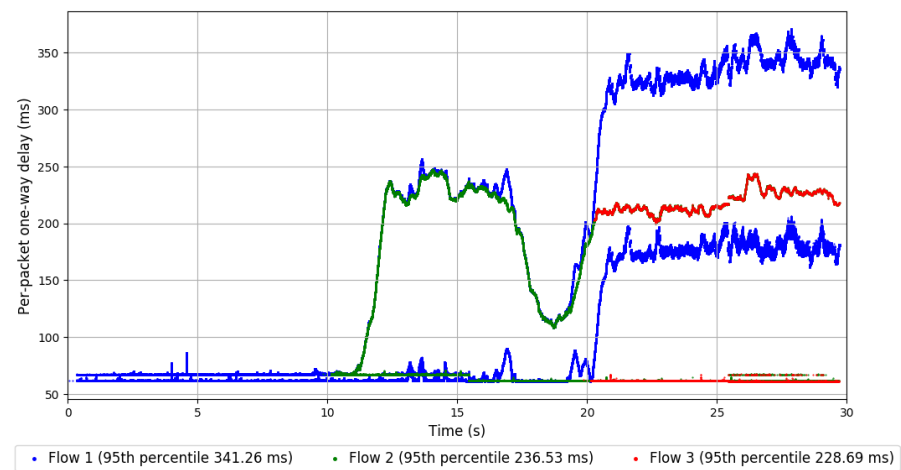
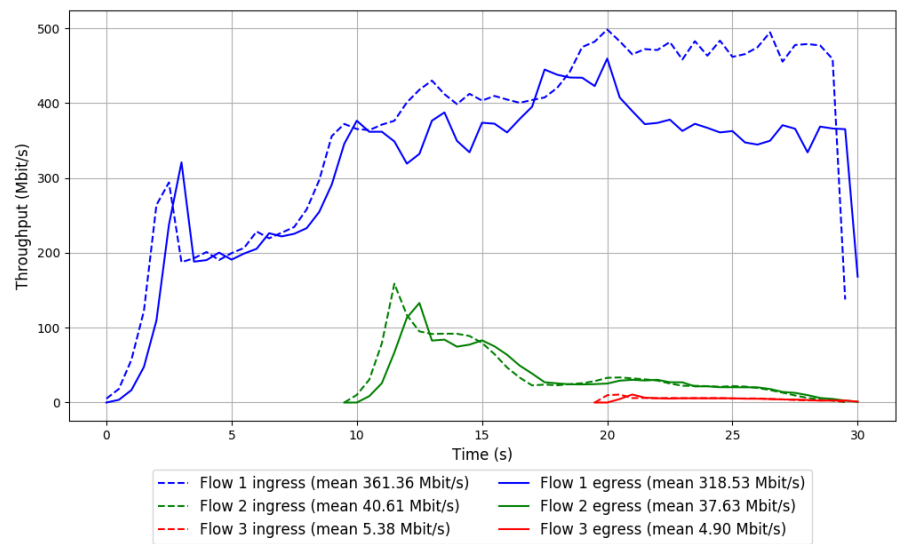


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-19 04:30:18
End at: 2018-07-19 04:30:48
Local clock offset: -0.059 ms
Remote clock offset: 0.367 ms

# Below is generated by plot.py at 2018-07-19 10:23:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 345.37 Mbit/s
95th percentile per-packet one-way delay: 340.479 ms
Loss rate: 11.66%
-- Flow 1:
Average throughput: 318.53 Mbit/s
95th percentile per-packet one-way delay: 341.261 ms
Loss rate: 11.98%
-- Flow 2:
Average throughput: 37.63 Mbit/s
95th percentile per-packet one-way delay: 236.526 ms
Loss rate: 7.45%
-- Flow 3:
Average throughput: 4.90 Mbit/s
95th percentile per-packet one-way delay: 228.690 ms
Loss rate: 9.06%
```


Run 1: Report of PCC-Expr — Data Link

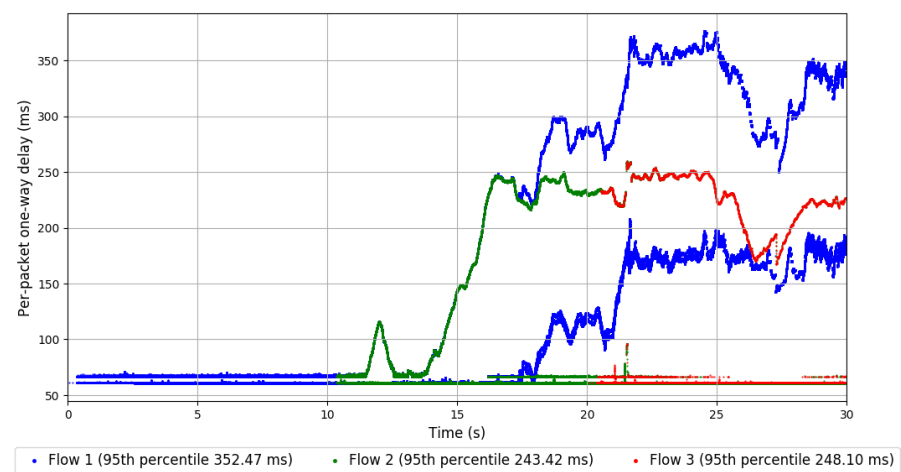
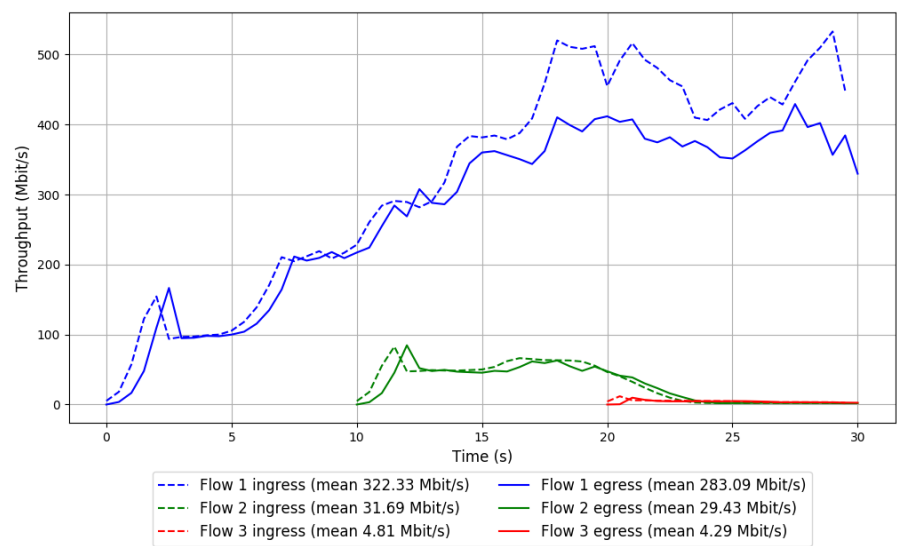


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-19 04:54:02
End at: 2018-07-19 04:54:32
Local clock offset: -0.032 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2018-07-19 10:23:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 304.07 Mbit/s
95th percentile per-packet one-way delay: 350.671 ms
Loss rate: 11.86%
-- Flow 1:
Average throughput: 283.09 Mbit/s
95th percentile per-packet one-way delay: 352.470 ms
Loss rate: 12.17%
-- Flow 2:
Average throughput: 29.43 Mbit/s
95th percentile per-packet one-way delay: 243.424 ms
Loss rate: 7.11%
-- Flow 3:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 248.102 ms
Loss rate: 10.77%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-19 05:17:58

End at: 2018-07-19 05:18:28

Local clock offset: -0.001 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-19 10:23:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 225.20 Mbit/s

95th percentile per-packet one-way delay: 253.514 ms

Loss rate: 5.06%

-- Flow 1:

Average throughput: 183.90 Mbit/s

95th percentile per-packet one-way delay: 253.848 ms

Loss rate: 5.05%

-- Flow 2:

Average throughput: 51.58 Mbit/s

95th percentile per-packet one-way delay: 248.385 ms

Loss rate: 4.33%

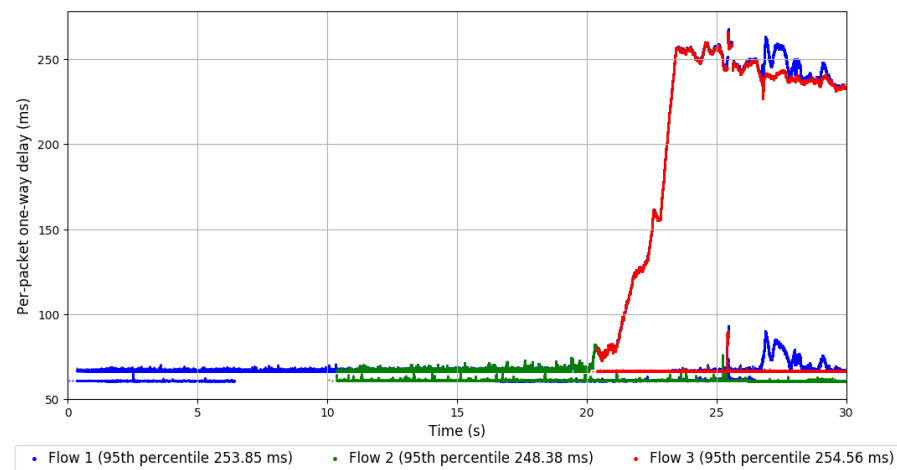
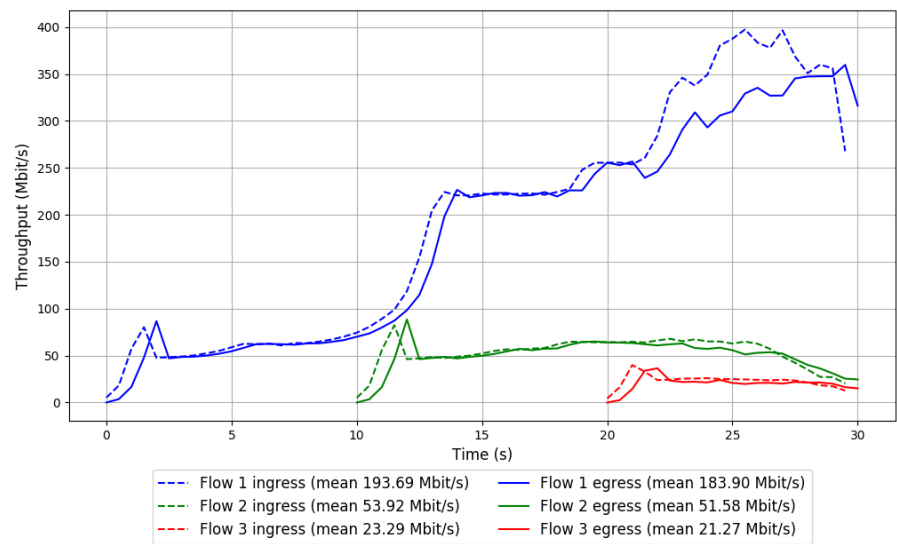
-- Flow 3:

Average throughput: 21.27 Mbit/s

95th percentile per-packet one-way delay: 254.558 ms

Loss rate: 8.70%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-19 05:41:42

End at: 2018-07-19 05:42:12

Local clock offset: 0.035 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-07-19 10:25:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 332.40 Mbit/s

95th percentile per-packet one-way delay: 249.194 ms

Loss rate: 15.91%

-- Flow 1:

Average throughput: 216.28 Mbit/s

95th percentile per-packet one-way delay: 247.783 ms

Loss rate: 14.18%

-- Flow 2:

Average throughput: 173.02 Mbit/s

95th percentile per-packet one-way delay: 250.391 ms

Loss rate: 18.85%

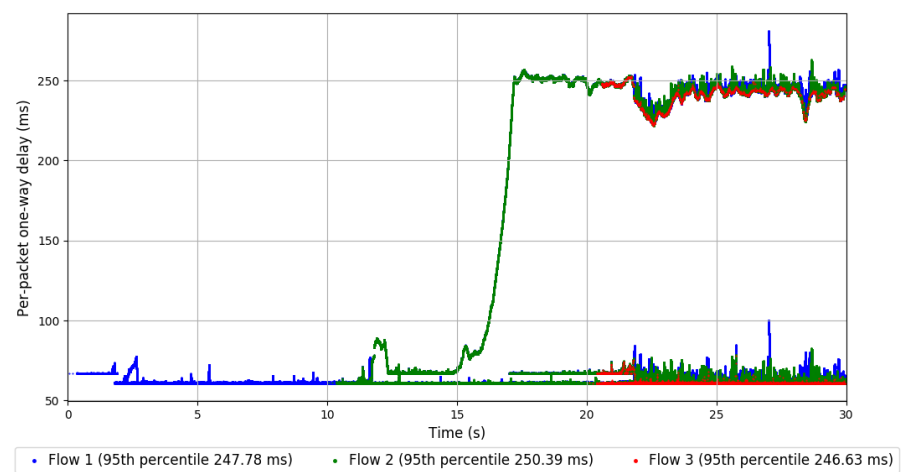
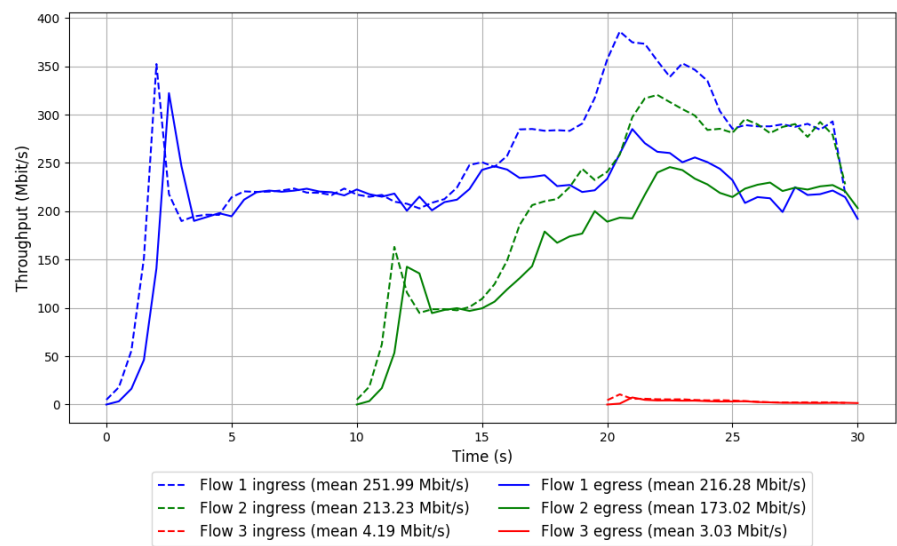
-- Flow 3:

Average throughput: 3.03 Mbit/s

95th percentile per-packet one-way delay: 246.631 ms

Loss rate: 27.72%

Run 4: Report of PCC-Expr — Data Link

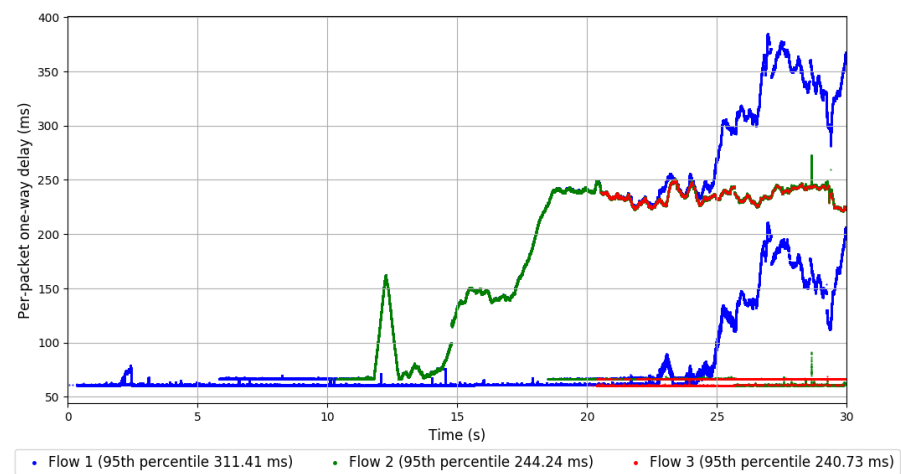
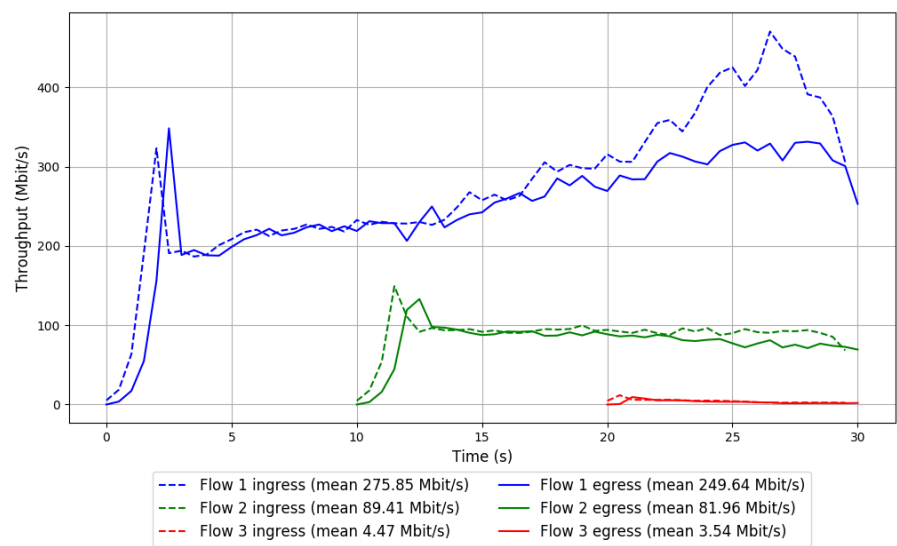


Run 5: Statistics of PCC-Expr

Start at: 2018-07-19 06:06:08
End at: 2018-07-19 06:06:39
Local clock offset: -0.004 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-07-19 10:25:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 305.29 Mbit/s
95th percentile per-packet one-way delay: 303.034 ms
Loss rate: 9.35%
-- Flow 1:
Average throughput: 249.64 Mbit/s
95th percentile per-packet one-way delay: 311.409 ms
Loss rate: 9.50%
-- Flow 2:
Average throughput: 81.96 Mbit/s
95th percentile per-packet one-way delay: 244.242 ms
Loss rate: 8.36%
-- Flow 3:
Average throughput: 3.54 Mbit/s
95th percentile per-packet one-way delay: 240.734 ms
Loss rate: 20.81%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-19 06:30:17

End at: 2018-07-19 06:30:47

Local clock offset: -0.028 ms

Remote clock offset: 1.208 ms

Below is generated by plot.py at 2018-07-19 10:25:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 218.73 Mbit/s

95th percentile per-packet one-way delay: 93.512 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 61.71 Mbit/s

95th percentile per-packet one-way delay: 86.953 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 222.90 Mbit/s

95th percentile per-packet one-way delay: 94.028 ms

Loss rate: 0.22%

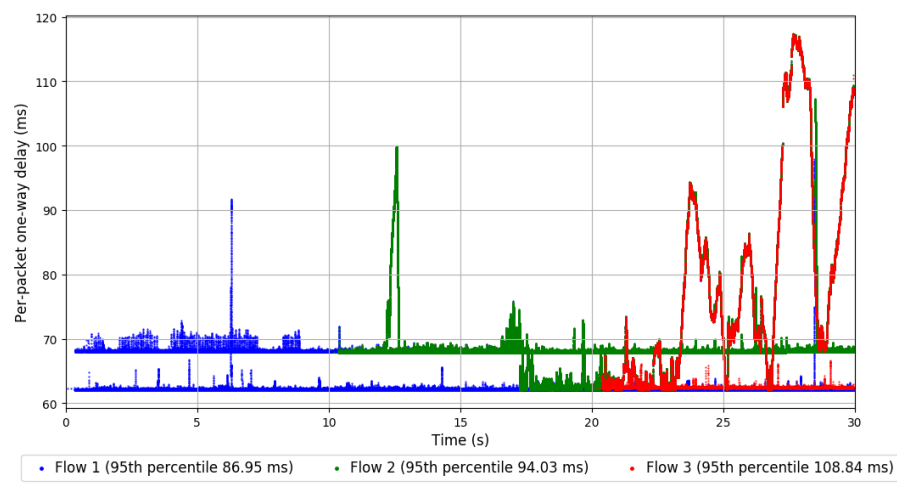
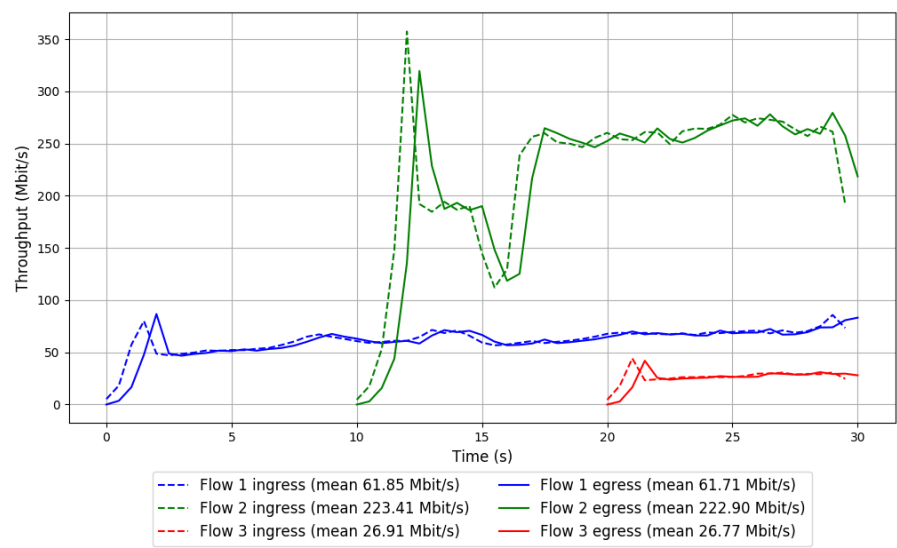
-- Flow 3:

Average throughput: 26.77 Mbit/s

95th percentile per-packet one-way delay: 108.839 ms

Loss rate: 0.46%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-19 06:54:16

End at: 2018-07-19 06:54:46

Local clock offset: -0.054 ms

Remote clock offset: 1.241 ms

Below is generated by plot.py at 2018-07-19 10:25:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 171.20 Mbit/s

95th percentile per-packet one-way delay: 244.926 ms

Loss rate: 1.76%

-- Flow 1:

Average throughput: 103.58 Mbit/s

95th percentile per-packet one-way delay: 243.590 ms

Loss rate: 1.52%

-- Flow 2:

Average throughput: 74.66 Mbit/s

95th percentile per-packet one-way delay: 245.407 ms

Loss rate: 1.74%

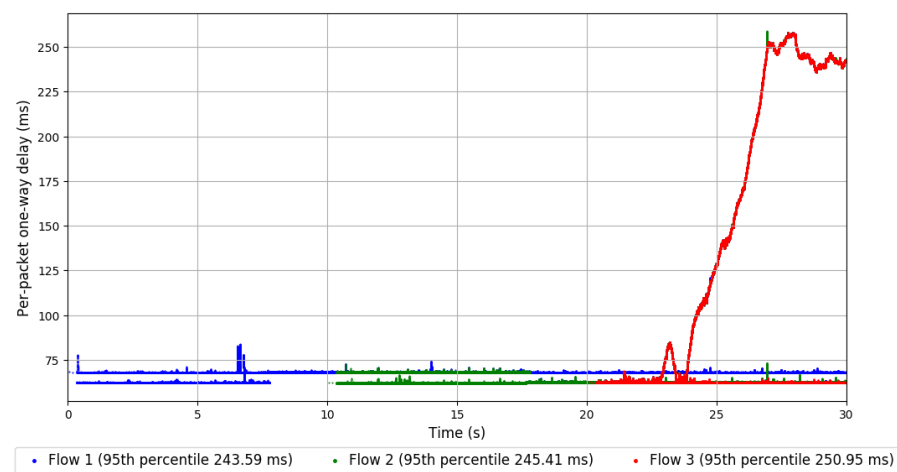
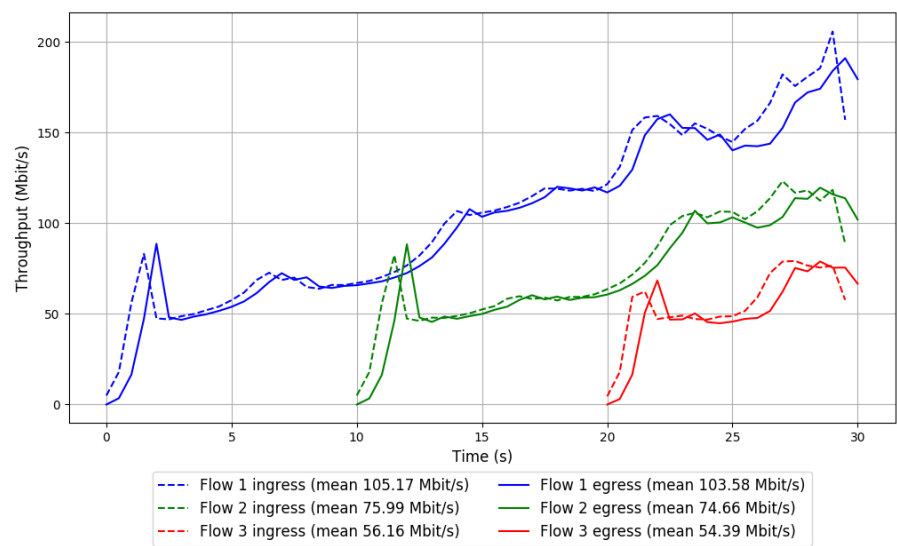
-- Flow 3:

Average throughput: 54.39 Mbit/s

95th percentile per-packet one-way delay: 250.952 ms

Loss rate: 3.15%

Run 7: Report of PCC-Expr — Data Link

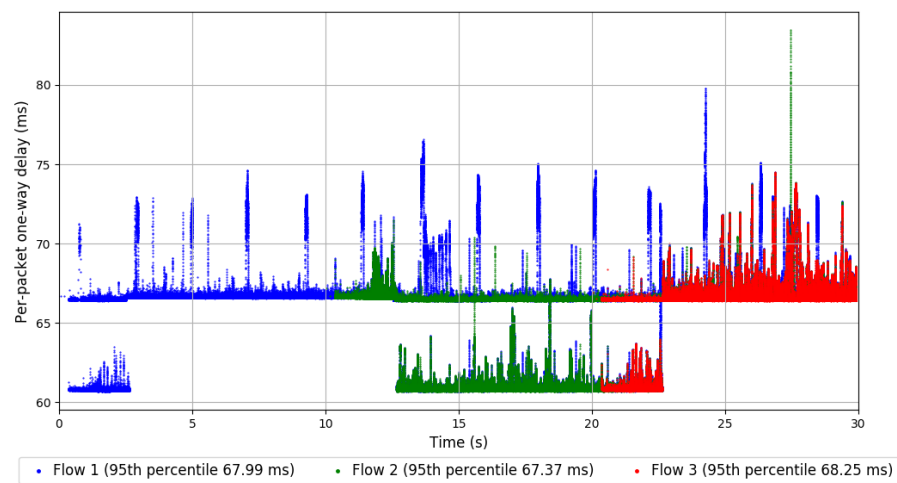
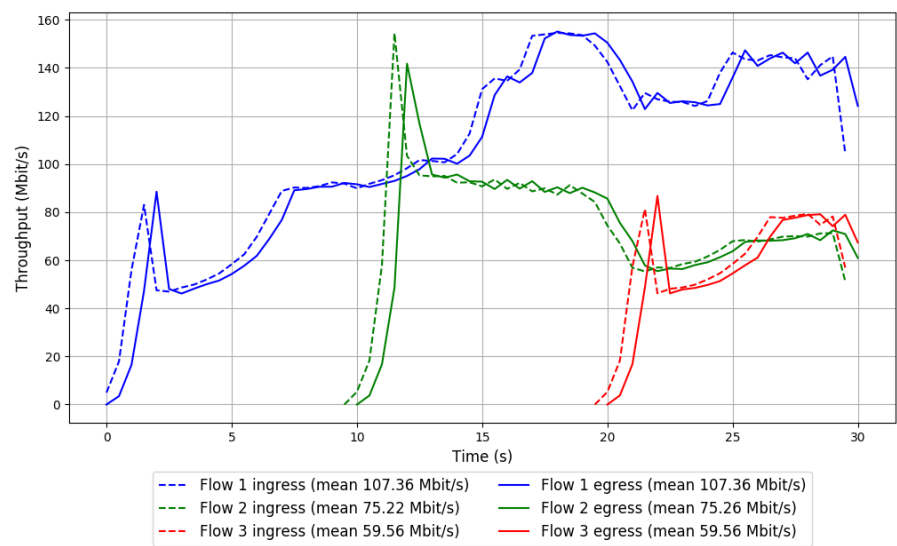


Run 8: Statistics of PCC-Expr

Start at: 2018-07-19 07:17:52
End at: 2018-07-19 07:18:22
Local clock offset: -0.04 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-19 10:25:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 177.15 Mbit/s
95th percentile per-packet one-way delay: 67.834 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 107.36 Mbit/s
95th percentile per-packet one-way delay: 67.994 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 75.26 Mbit/s
95th percentile per-packet one-way delay: 67.366 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.56 Mbit/s
95th percentile per-packet one-way delay: 68.252 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link

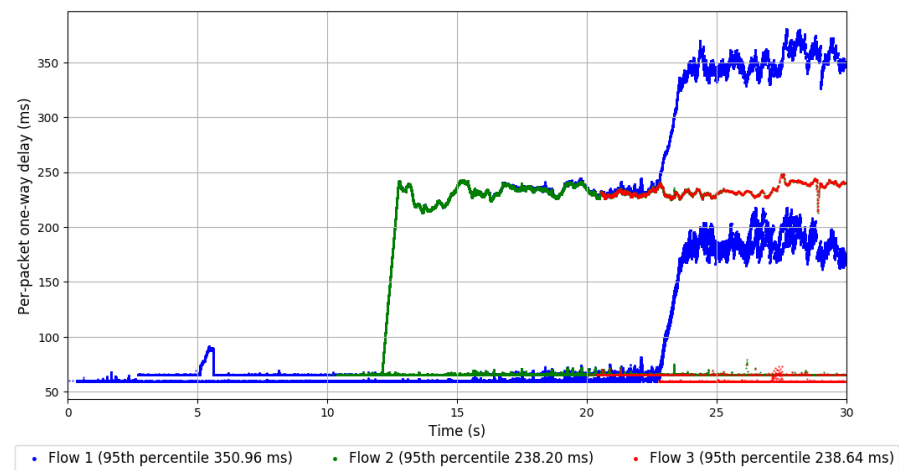
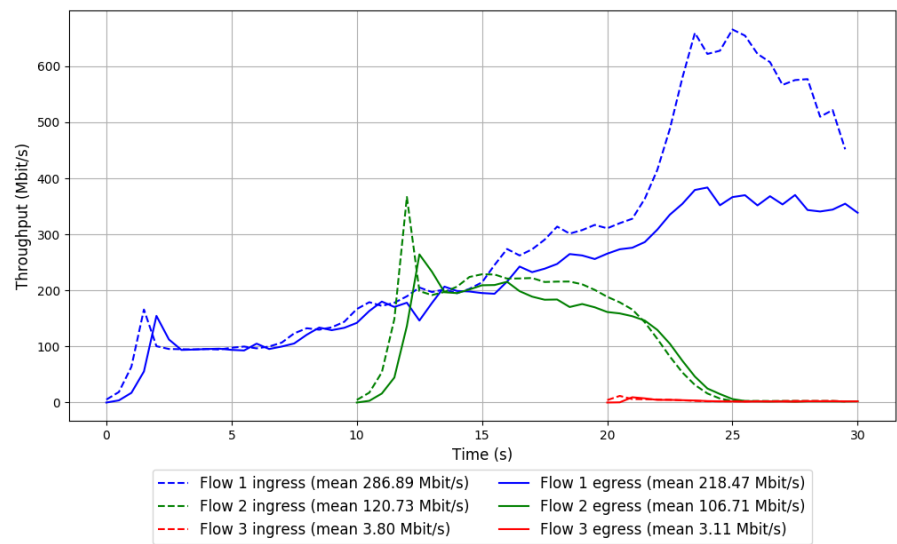


Run 9: Statistics of PCC-Expr

Start at: 2018-07-19 07:41:42
End at: 2018-07-19 07:42:12
Local clock offset: -0.085 ms
Remote clock offset: -1.329 ms

Below is generated by plot.py at 2018-07-19 10:32:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 290.43 Mbit/s
95th percentile per-packet one-way delay: 347.249 ms
Loss rate: 21.15%
-- Flow 1:
Average throughput: 218.47 Mbit/s
95th percentile per-packet one-way delay: 350.960 ms
Loss rate: 23.84%
-- Flow 2:
Average throughput: 106.71 Mbit/s
95th percentile per-packet one-way delay: 238.197 ms
Loss rate: 11.61%
-- Flow 3:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 238.643 ms
Loss rate: 18.32%

Run 9: Report of PCC-Expr — Data Link

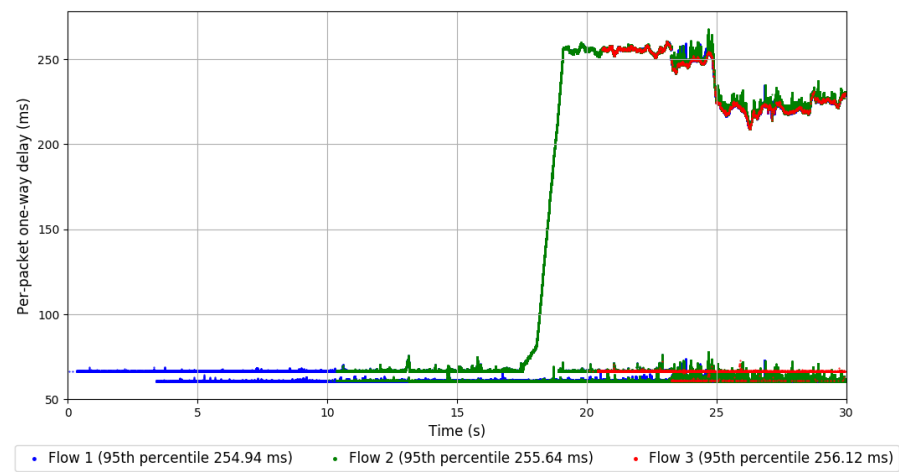
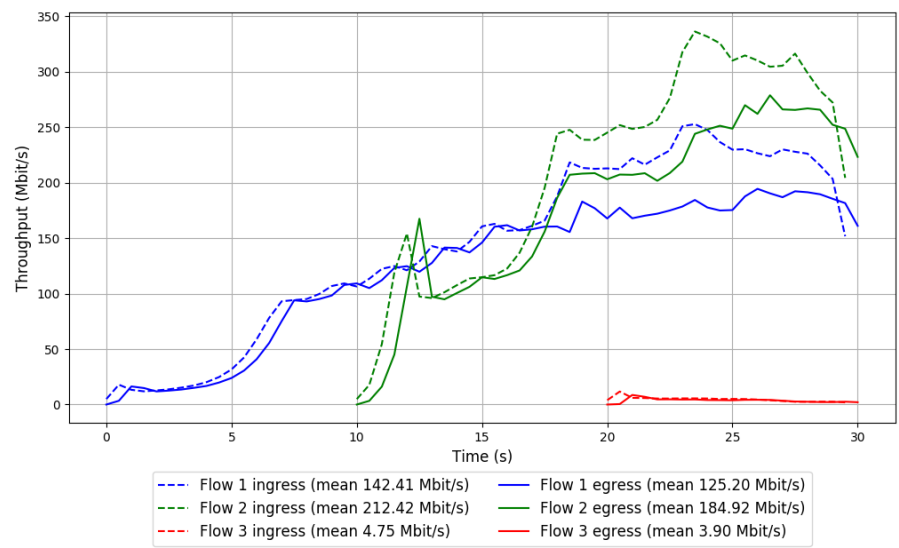


Run 10: Statistics of PCC-Expr

Start at: 2018-07-19 08:05:31
End at: 2018-07-19 08:06:01
Local clock offset: -0.076 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-19 10:32:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 249.49 Mbit/s
95th percentile per-packet one-way delay: 255.381 ms
Loss rate: 12.55%
-- Flow 1:
Average throughput: 125.20 Mbit/s
95th percentile per-packet one-way delay: 254.939 ms
Loss rate: 12.09%
-- Flow 2:
Average throughput: 184.92 Mbit/s
95th percentile per-packet one-way delay: 255.640 ms
Loss rate: 12.94%
-- Flow 3:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 256.124 ms
Loss rate: 17.87%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-19 04:42:03

End at: 2018-07-19 04:42:33

Local clock offset: -0.06 ms

Remote clock offset: 1.339 ms

Below is generated by plot.py at 2018-07-19 10:32:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.06 Mbit/s

95th percentile per-packet one-way delay: 62.346 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 62.590 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 62.755 ms

Loss rate: 0.00%

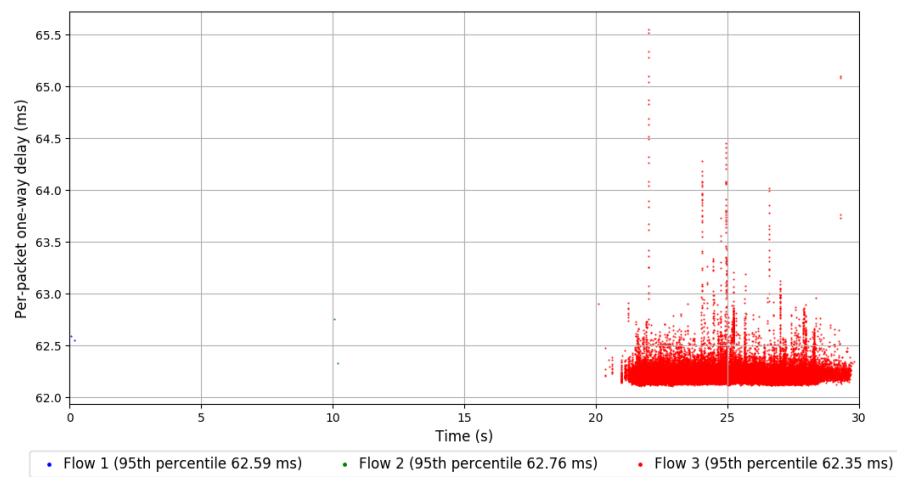
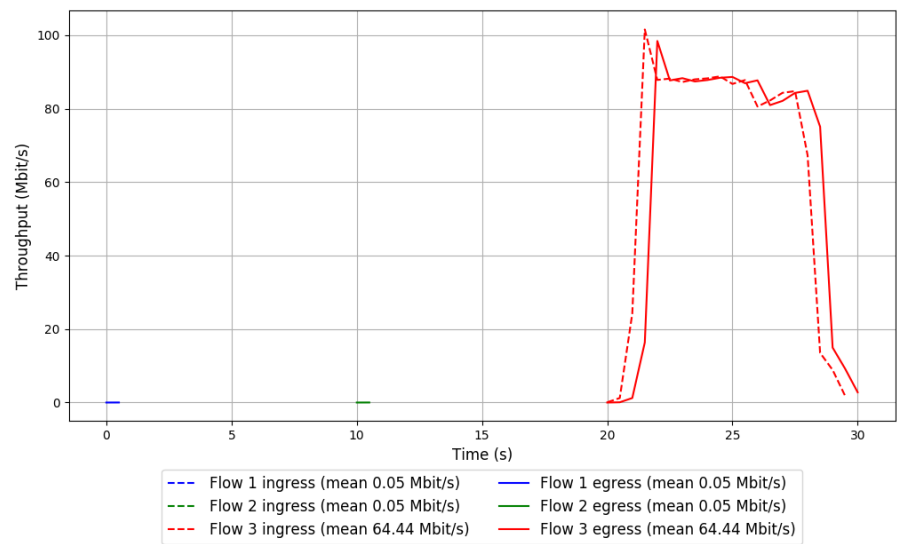
-- Flow 3:

Average throughput: 64.44 Mbit/s

95th percentile per-packet one-way delay: 62.346 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

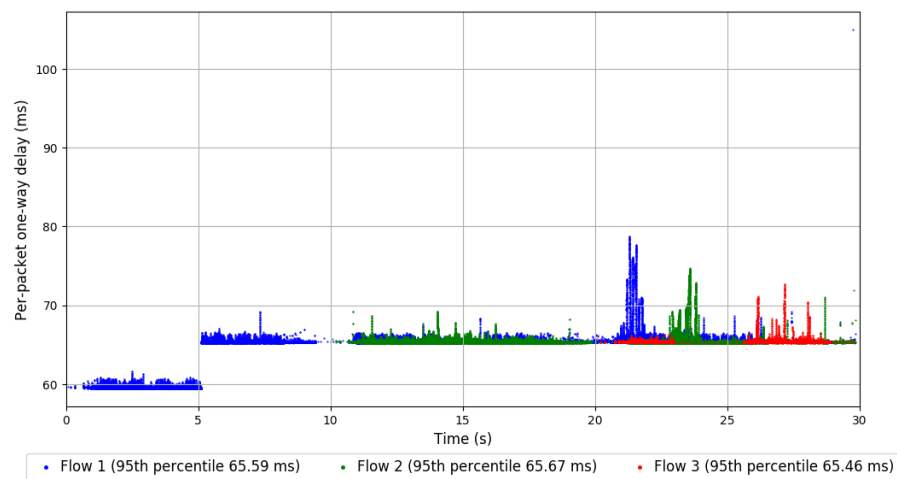
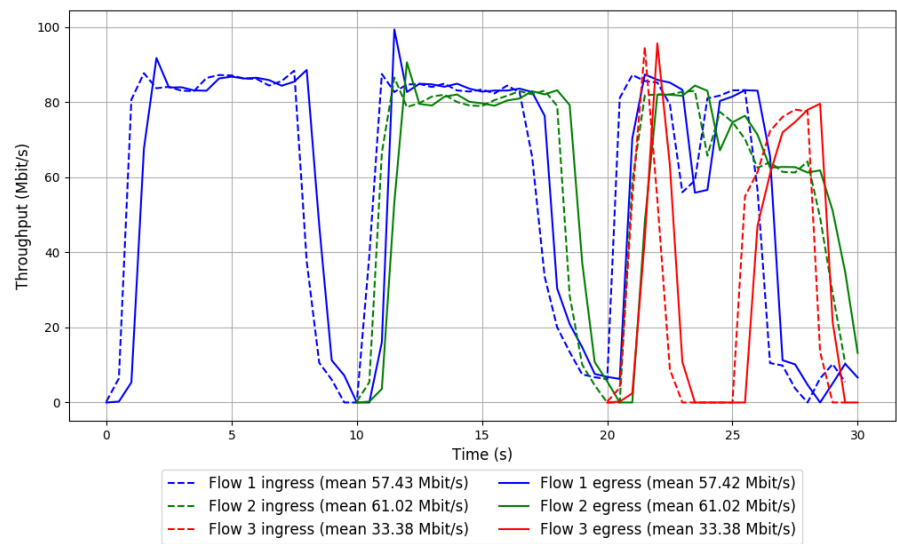


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-19 05:05:49
End at: 2018-07-19 05:06:19
Local clock offset: -0.006 ms
Remote clock offset: -1.353 ms

Below is generated by plot.py at 2018-07-19 10:32:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 108.83 Mbit/s
95th percentile per-packet one-way delay: 65.603 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.42 Mbit/s
95th percentile per-packet one-way delay: 65.588 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.02 Mbit/s
95th percentile per-packet one-way delay: 65.665 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 33.38 Mbit/s
95th percentile per-packet one-way delay: 65.456 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-19 05:29:34

End at: 2018-07-19 05:30:04

Local clock offset: -0.001 ms

Remote clock offset: 0.206 ms

Below is generated by plot.py at 2018-07-19 10:32:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 122.08 Mbit/s

95th percentile per-packet one-way delay: 67.032 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 65.68 Mbit/s

95th percentile per-packet one-way delay: 61.433 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 57.77 Mbit/s

95th percentile per-packet one-way delay: 67.164 ms

Loss rate: 0.00%

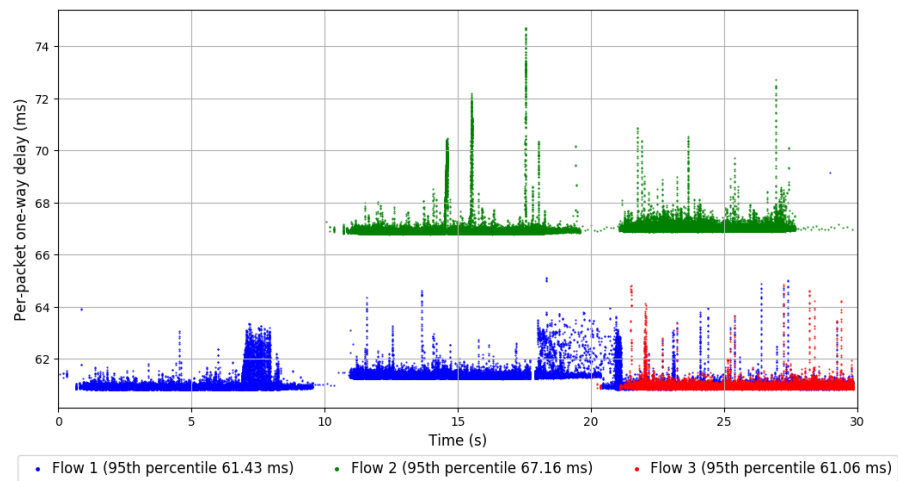
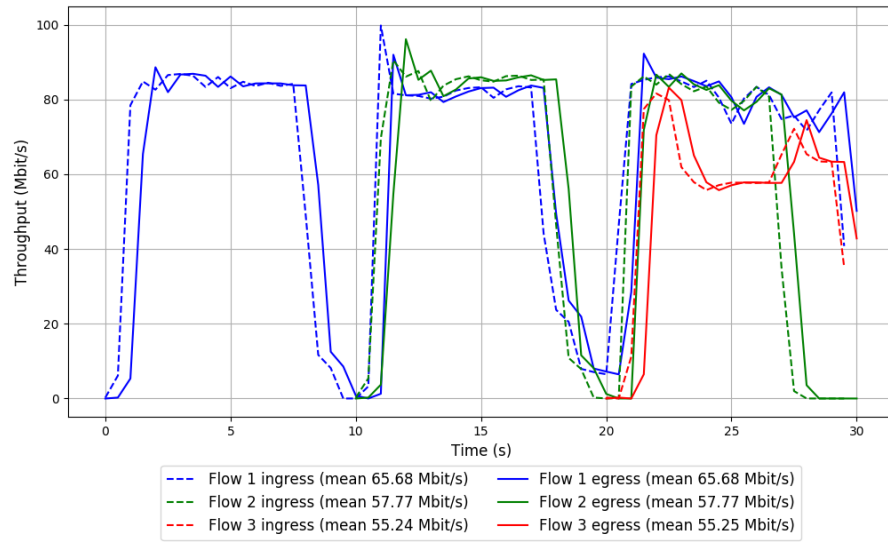
-- Flow 3:

Average throughput: 55.25 Mbit/s

95th percentile per-packet one-way delay: 61.063 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-19 05:53:52

End at: 2018-07-19 05:54:22

Local clock offset: 0.006 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-07-19 10:32:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 119.12 Mbit/s

95th percentile per-packet one-way delay: 66.997 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 63.03 Mbit/s

95th percentile per-packet one-way delay: 67.015 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 61.10 Mbit/s

95th percentile per-packet one-way delay: 66.981 ms

Loss rate: 0.01%

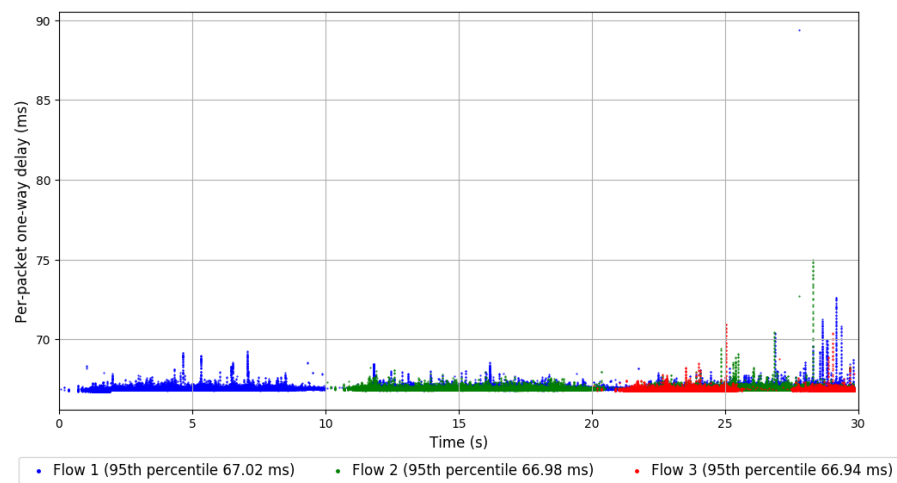
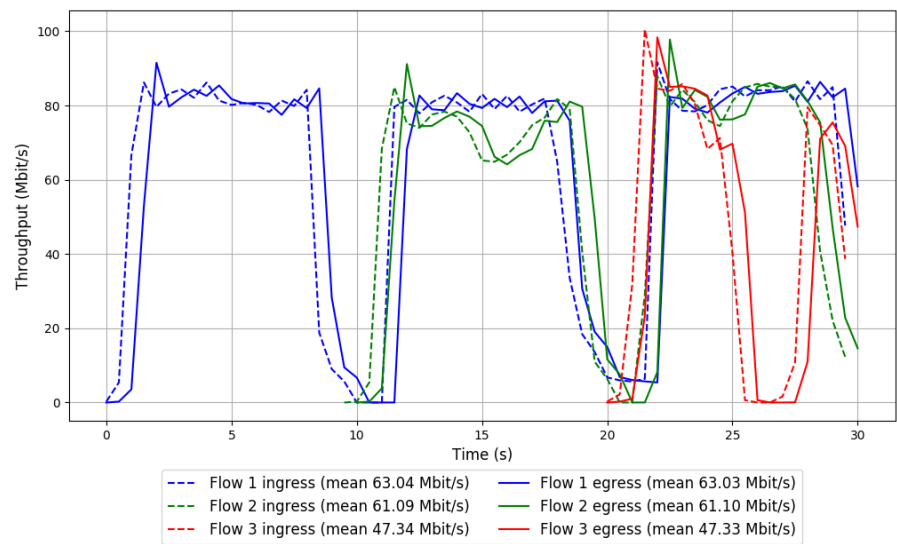
-- Flow 3:

Average throughput: 47.33 Mbit/s

95th percentile per-packet one-way delay: 66.943 ms

Loss rate: 0.08%

Run 4: Report of QUIC Cubic — Data Link

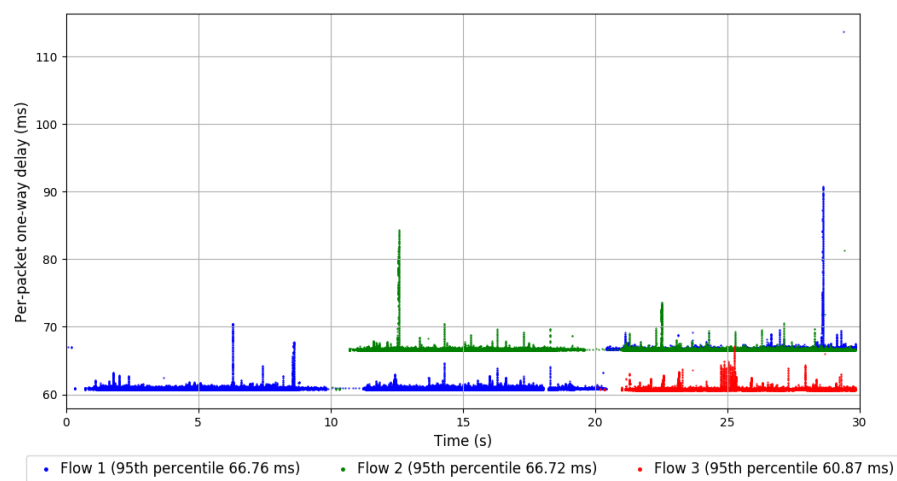
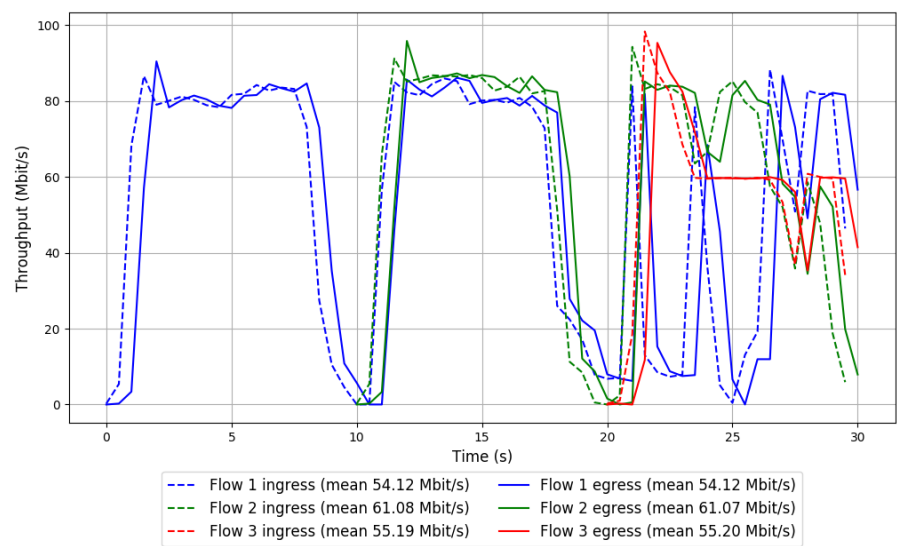


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-19 06:18:04
End at: 2018-07-19 06:18:34
Local clock offset: 0.03 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-19 10:32:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 112.76 Mbit/s
95th percentile per-packet one-way delay: 66.741 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 54.12 Mbit/s
95th percentile per-packet one-way delay: 66.762 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 61.07 Mbit/s
95th percentile per-packet one-way delay: 66.724 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.20 Mbit/s
95th percentile per-packet one-way delay: 60.868 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

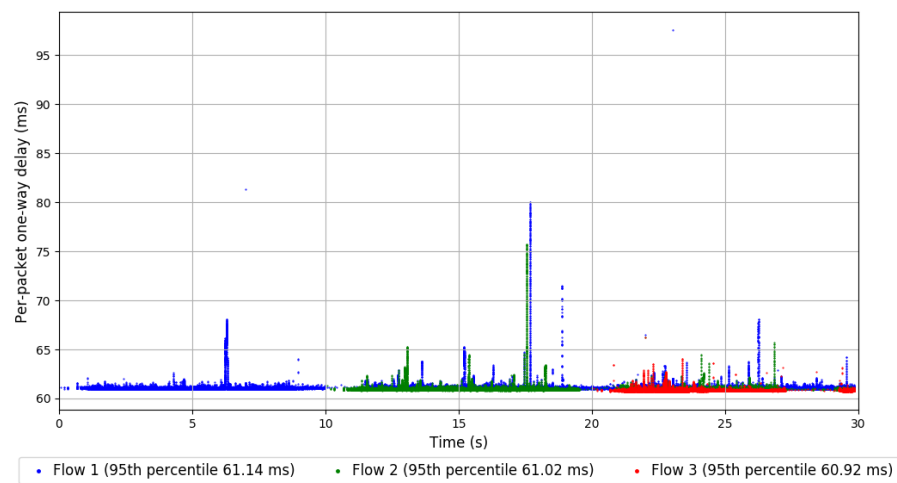
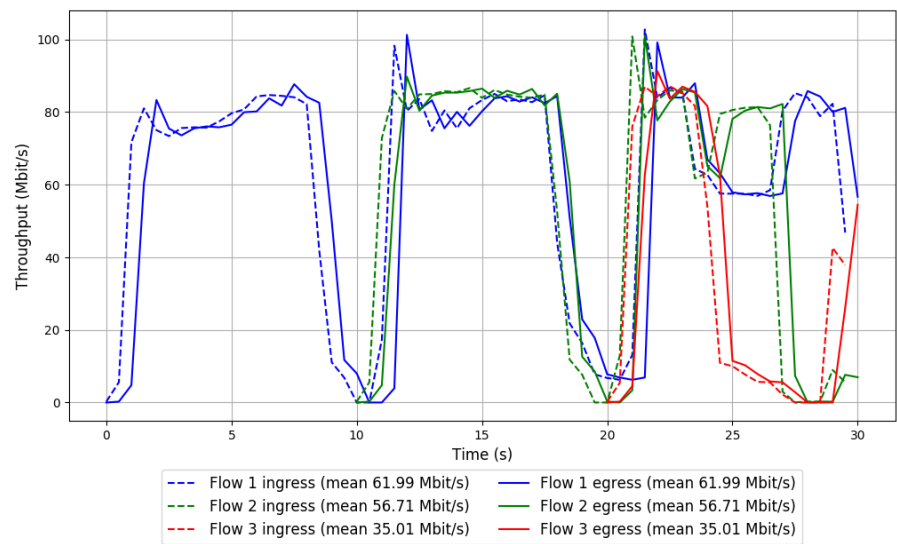


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-19 06:42:06
End at: 2018-07-19 06:42:36
Local clock offset: -0.053 ms
Remote clock offset: -0.233 ms

Below is generated by plot.py at 2018-07-19 10:32:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 111.12 Mbit/s
95th percentile per-packet one-way delay: 61.115 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.99 Mbit/s
95th percentile per-packet one-way delay: 61.144 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 56.71 Mbit/s
95th percentile per-packet one-way delay: 61.023 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.01 Mbit/s
95th percentile per-packet one-way delay: 60.921 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

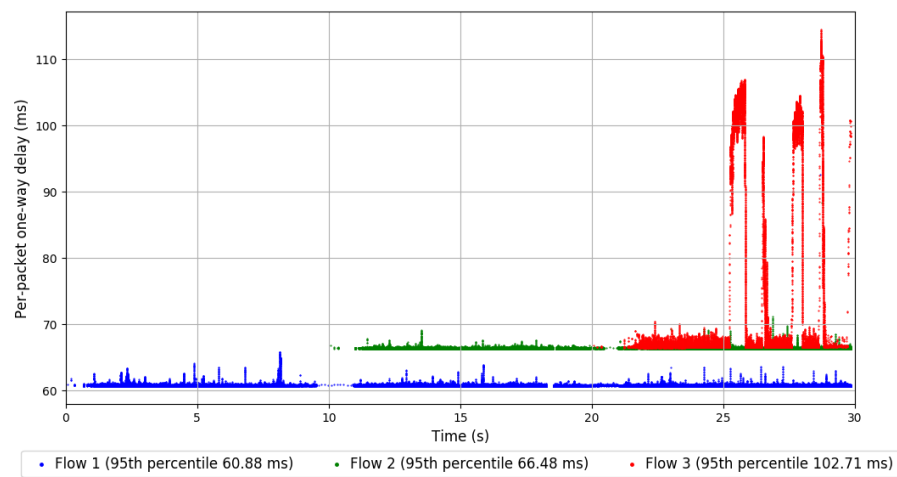
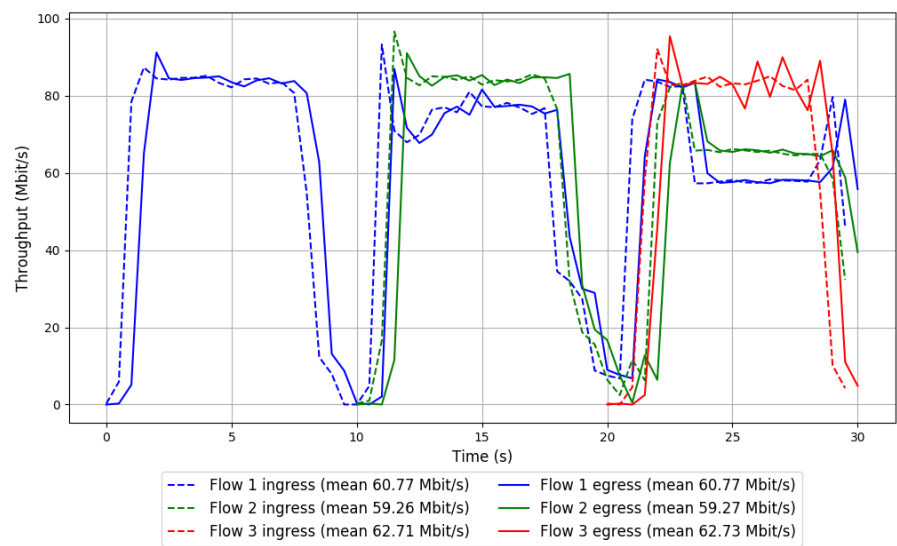


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-19 07:05:41
End at: 2018-07-19 07:06:11
Local clock offset: -0.035 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-19 10:32:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 120.67 Mbit/s
95th percentile per-packet one-way delay: 66.791 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 60.77 Mbit/s
95th percentile per-packet one-way delay: 60.876 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.27 Mbit/s
95th percentile per-packet one-way delay: 66.476 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 62.73 Mbit/s
95th percentile per-packet one-way delay: 102.712 ms
Loss rate: 0.04%

Run 7: Report of QUIC Cubic — Data Link

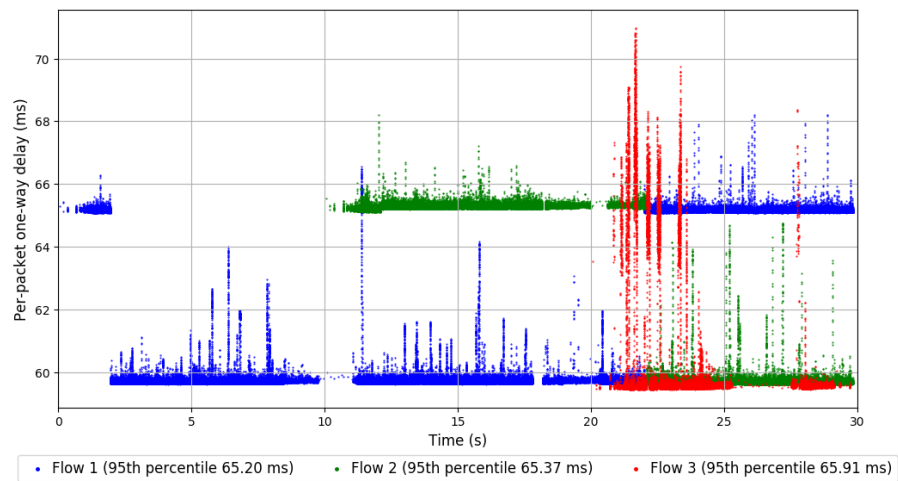
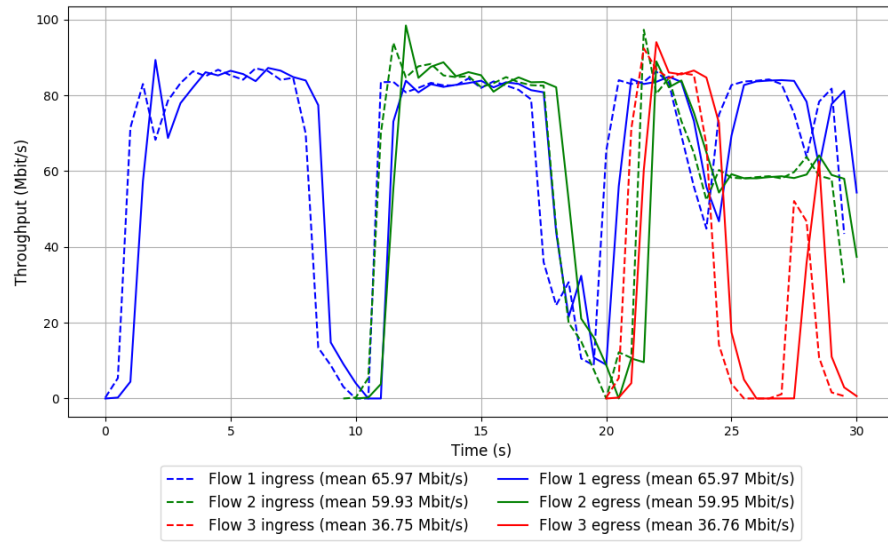


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-19 07:29:32
End at: 2018-07-19 07:30:02
Local clock offset: -0.046 ms
Remote clock offset: -1.274 ms

Below is generated by plot.py at 2018-07-19 10:32:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 117.69 Mbit/s
95th percentile per-packet one-way delay: 65.325 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.97 Mbit/s
95th percentile per-packet one-way delay: 65.204 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.95 Mbit/s
95th percentile per-packet one-way delay: 65.368 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.76 Mbit/s
95th percentile per-packet one-way delay: 65.906 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

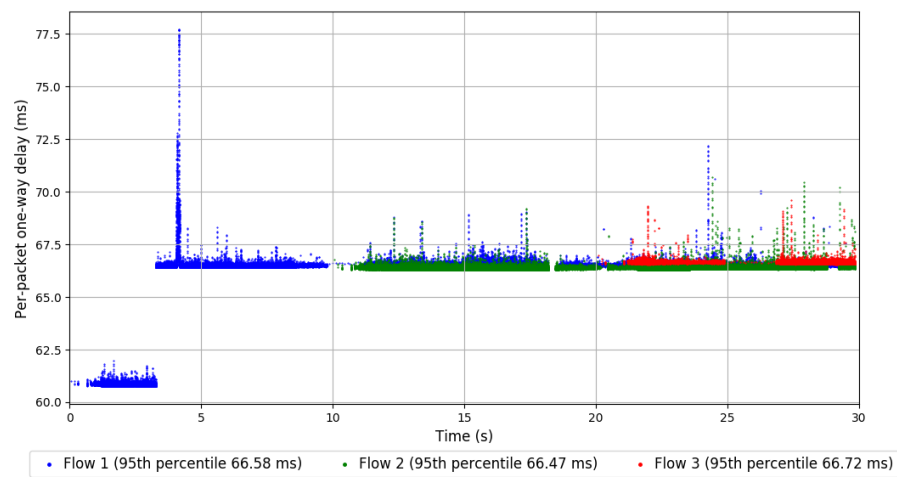
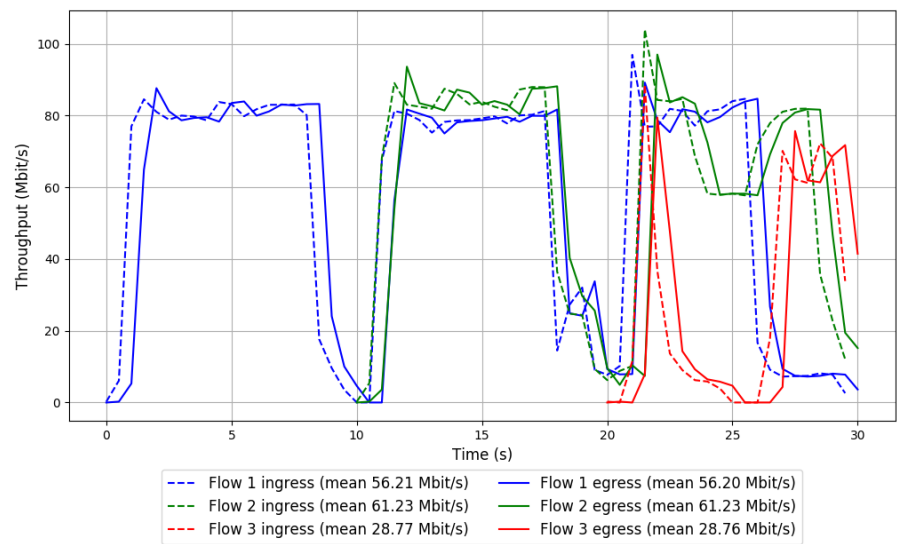


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-19 07:53:31
End at: 2018-07-19 07:54:01
Local clock offset: -0.036 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-19 10:32:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 106.19 Mbit/s
95th percentile per-packet one-way delay: 66.635 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 56.20 Mbit/s
95th percentile per-packet one-way delay: 66.581 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.23 Mbit/s
95th percentile per-packet one-way delay: 66.473 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 28.76 Mbit/s
95th percentile per-packet one-way delay: 66.722 ms
Loss rate: 0.09%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-19 08:17:14

End at: 2018-07-19 08:17:44

Local clock offset: -0.072 ms

Remote clock offset: 1.355 ms

Below is generated by plot.py at 2018-07-19 10:32:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 114.68 Mbit/s

95th percentile per-packet one-way delay: 68.209 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 66.19 Mbit/s

95th percentile per-packet one-way delay: 68.242 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 48.40 Mbit/s

95th percentile per-packet one-way delay: 68.050 ms

Loss rate: 0.00%

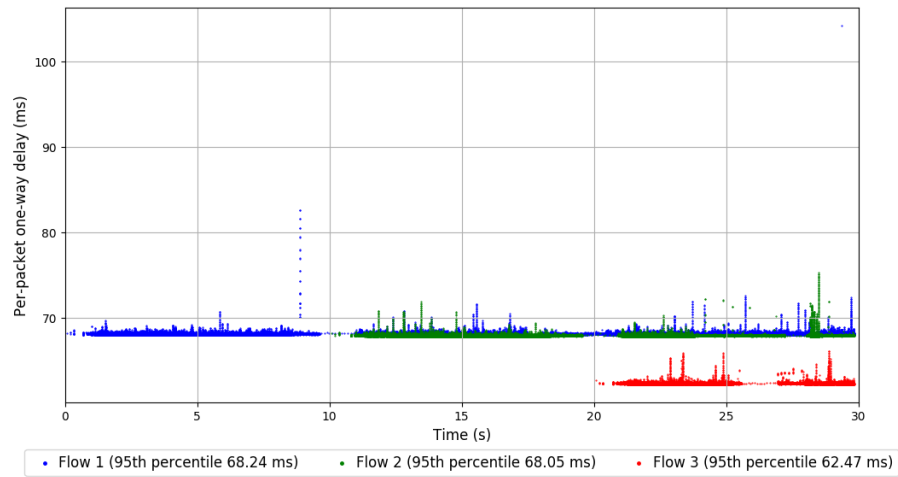
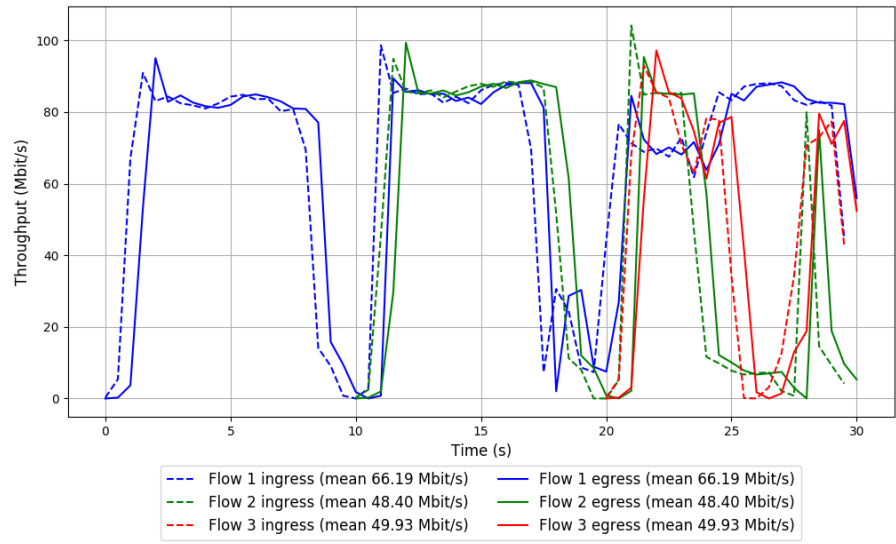
-- Flow 3:

Average throughput: 49.93 Mbit/s

95th percentile per-packet one-way delay: 62.469 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

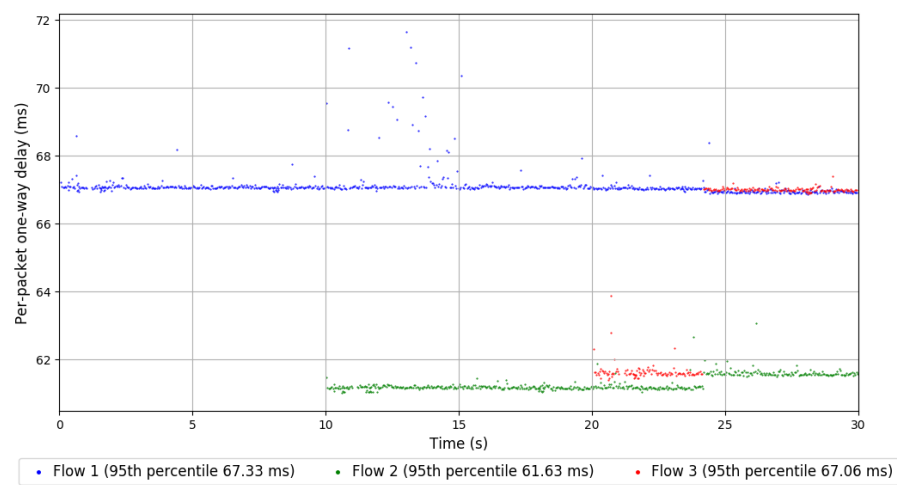
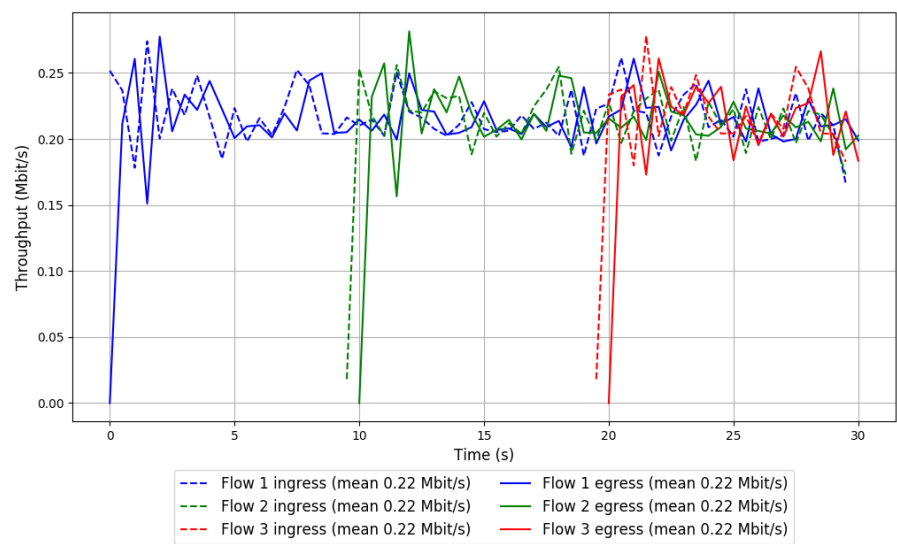


```
Run 1: Statistics of SReAM

Start at: 2018-07-19 04:27:40
End at: 2018-07-19 04:28:10
Local clock offset: -0.084 ms
Remote clock offset: 0.244 ms

# Below is generated by plot.py at 2018-07-19 10:32:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 67.147 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 67.334 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.630 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 67.057 ms
Loss rate: 0.35%
```


Run 1: Report of SCSReAM — Data Link

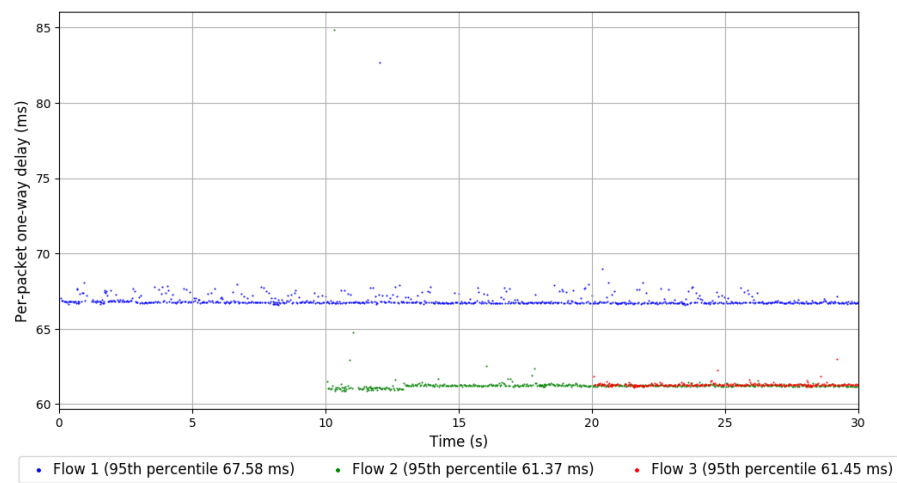
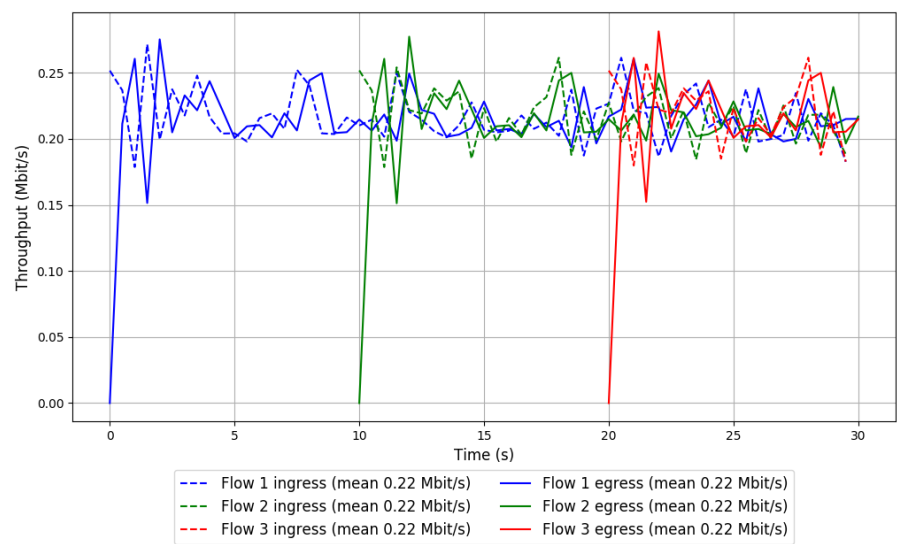


Run 2: Statistics of SReAM

Start at: 2018-07-19 04:51:11
End at: 2018-07-19 04:51:41
Local clock offset: -0.099 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-19 10:32:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 67.352 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 67.577 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.367 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.453 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

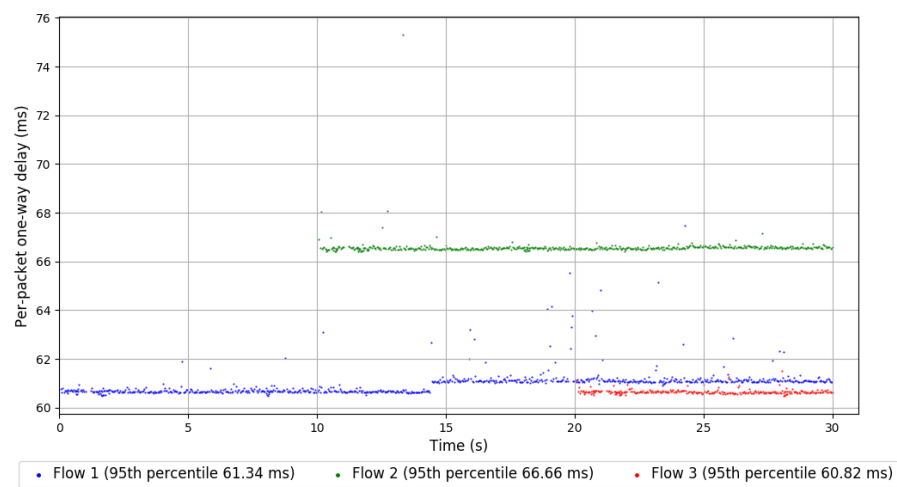
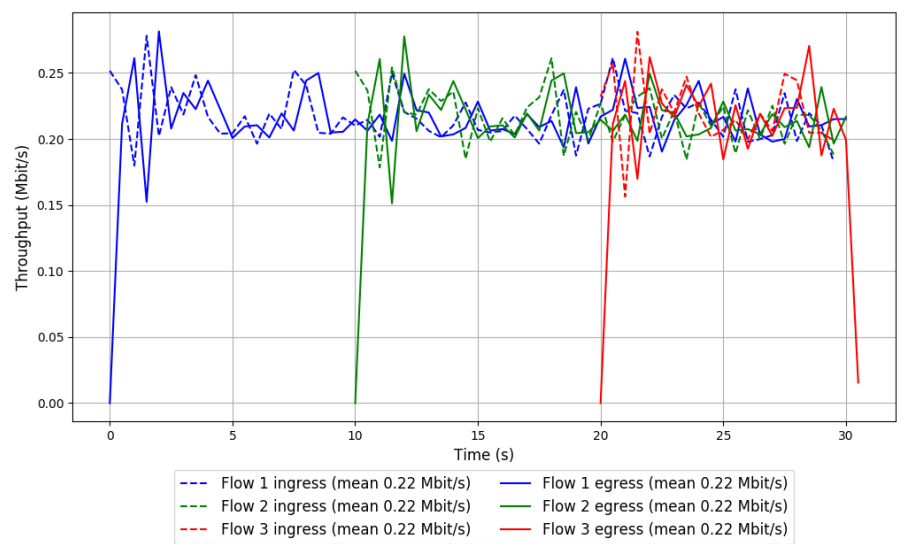


Run 3: Statistics of SReAM

Start at: 2018-07-19 05:15:10
End at: 2018-07-19 05:15:40
Local clock offset: 0.017 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-07-19 10:32:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 66.610 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.338 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.662 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.818 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

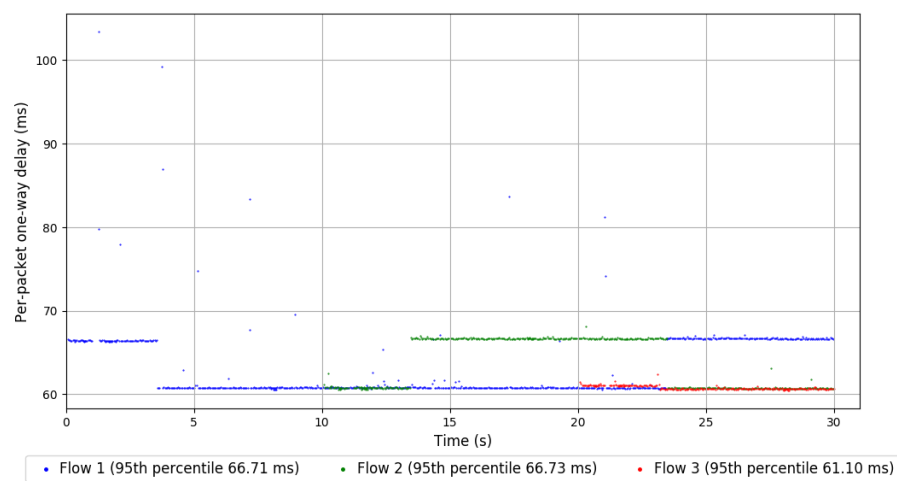
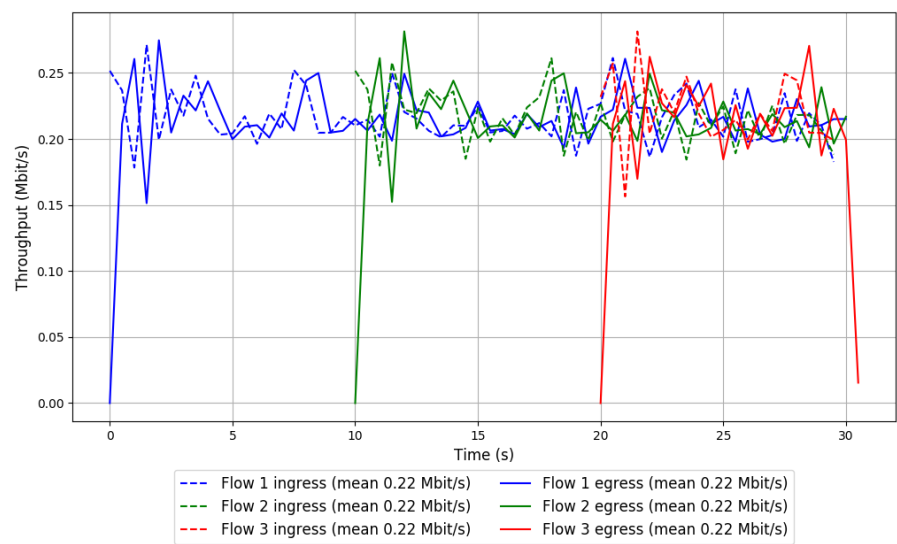


Run 4: Statistics of SReAM

Start at: 2018-07-19 05:38:51
End at: 2018-07-19 05:39:21
Local clock offset: 0.02 ms
Remote clock offset: -0.182 ms

Below is generated by plot.py at 2018-07-19 10:32:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 66.714 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.714 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.727 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.100 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

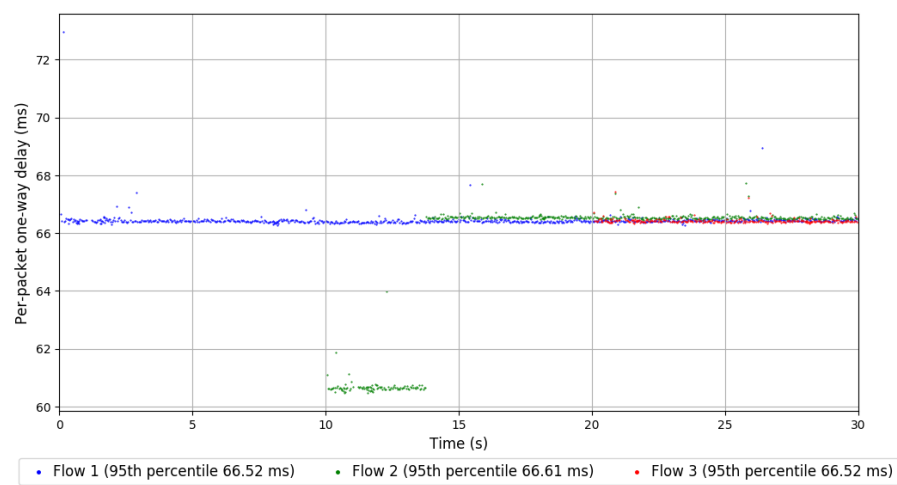
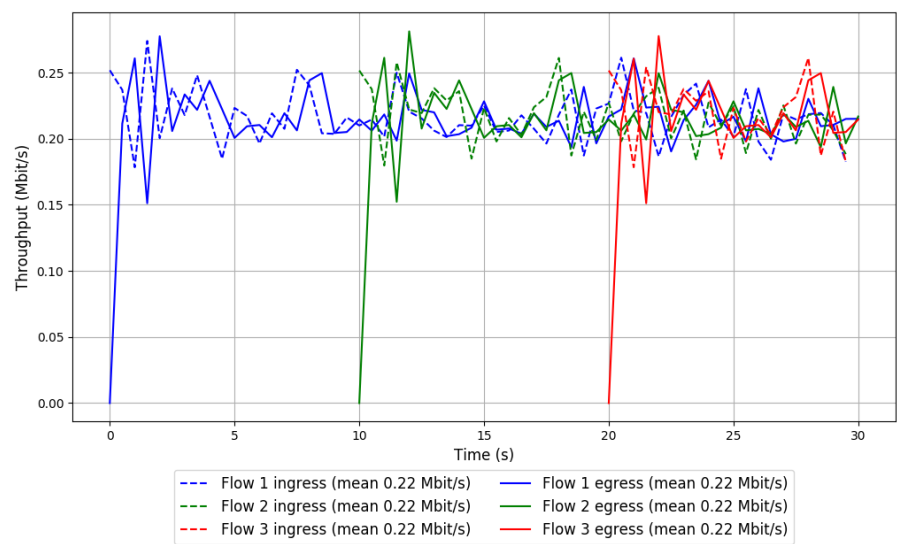


Run 5: Statistics of SReAM

Start at: 2018-07-19 06:03:21
End at: 2018-07-19 06:03:51
Local clock offset: 0.081 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-07-19 10:32:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 66.580 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.516 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.611 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.522 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

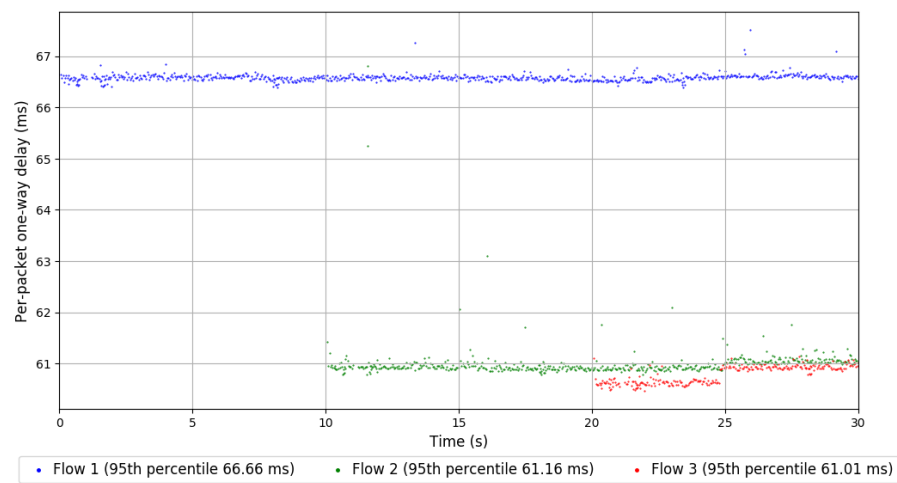
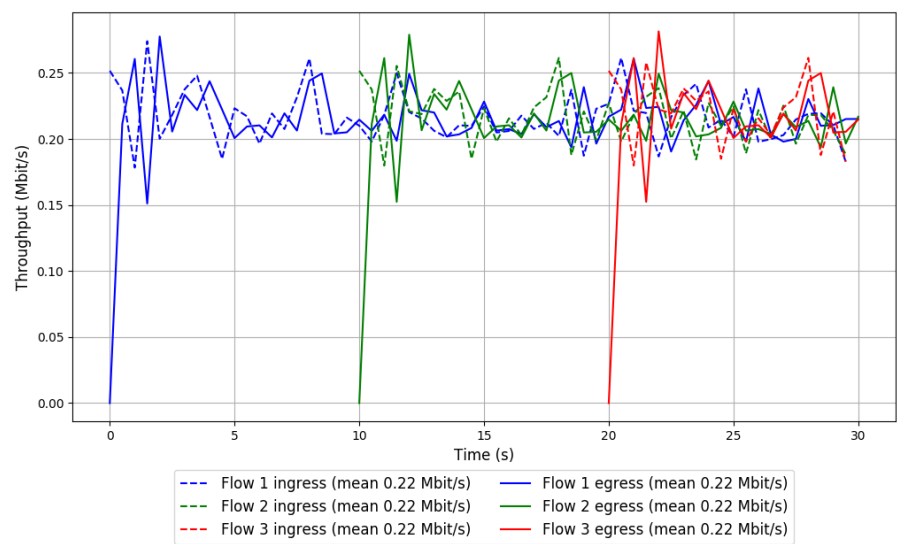


Run 6: Statistics of SReAM

Start at: 2018-07-19 06:27:29
End at: 2018-07-19 06:27:59
Local clock offset: -0.018 ms
Remote clock offset: -0.294 ms

Below is generated by plot.py at 2018-07-19 10:32:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 66.636 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.661 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.156 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.007 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

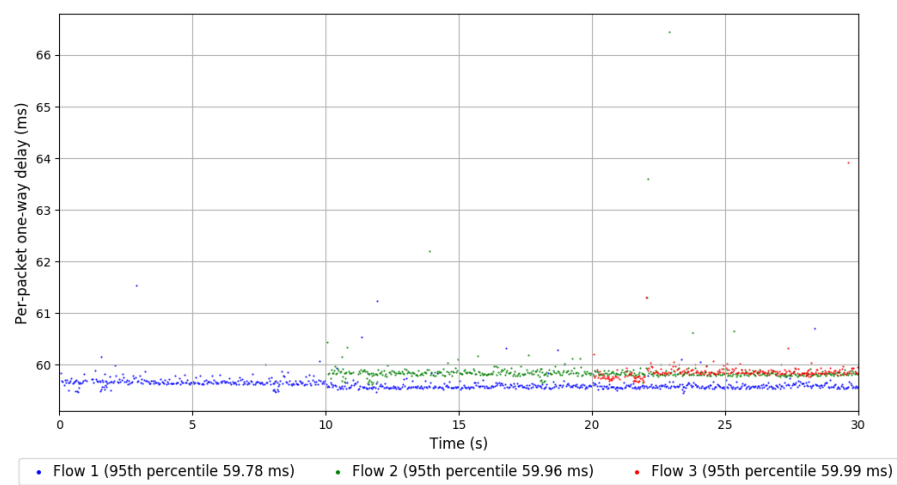
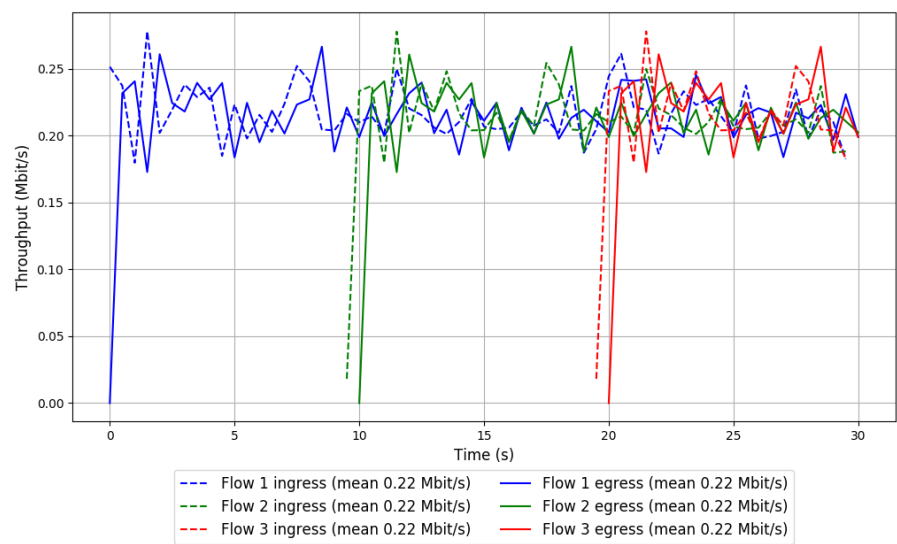


Run 7: Statistics of SReAM

Start at: 2018-07-19 06:51:22
End at: 2018-07-19 06:51:52
Local clock offset: -0.026 ms
Remote clock offset: -1.416 ms

Below is generated by plot.py at 2018-07-19 10:32:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 59.934 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.780 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.958 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.990 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

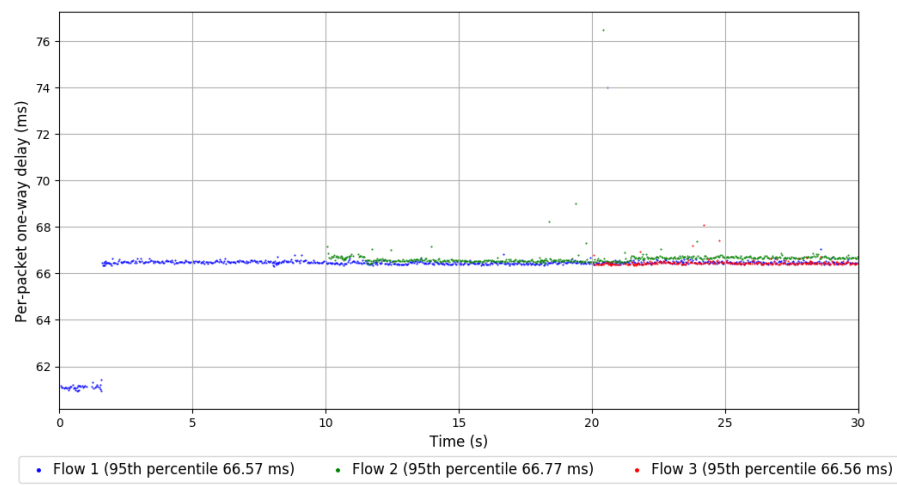
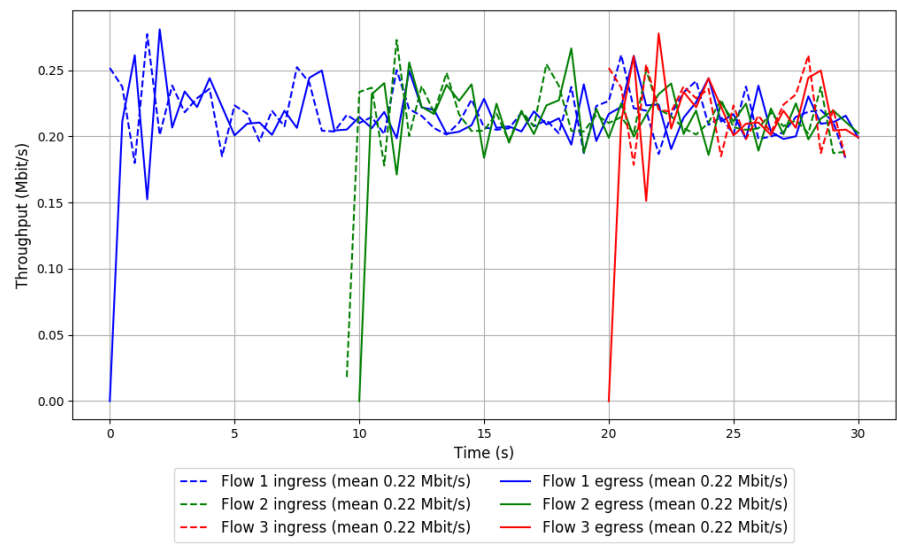


Run 8: Statistics of SReAM

Start at: 2018-07-19 07:15:03
End at: 2018-07-19 07:15:33
Local clock offset: -0.05 ms
Remote clock offset: -0.214 ms

Below is generated by plot.py at 2018-07-19 10:32:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 66.726 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.572 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.767 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.565 ms
Loss rate: 0.35%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-07-19 07:38:55

End at: 2018-07-19 07:39:25

Local clock offset: -0.044 ms

Remote clock offset: 0.081 ms

Below is generated by plot.py at 2018-07-19 10:32:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 66.834 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 66.854 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 66.753 ms

Loss rate: 0.00%

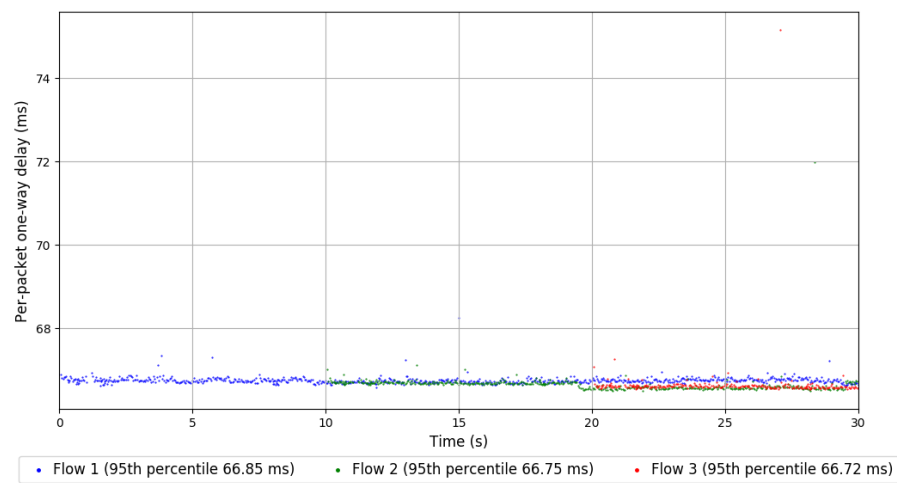
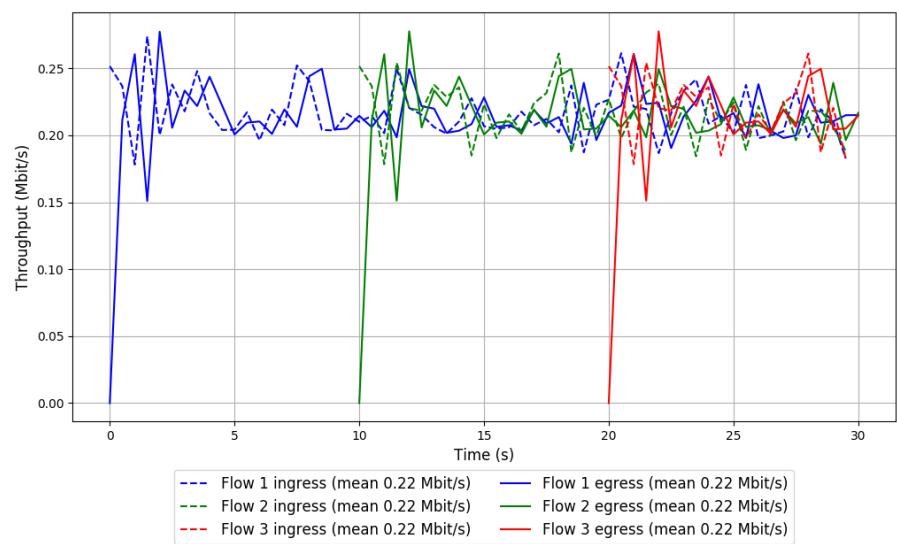
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 66.723 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-19 08:02:49

End at: 2018-07-19 08:03:19

Local clock offset: -0.035 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-19 10:32:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 66.594 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 66.627 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.297 ms

Loss rate: 0.00%

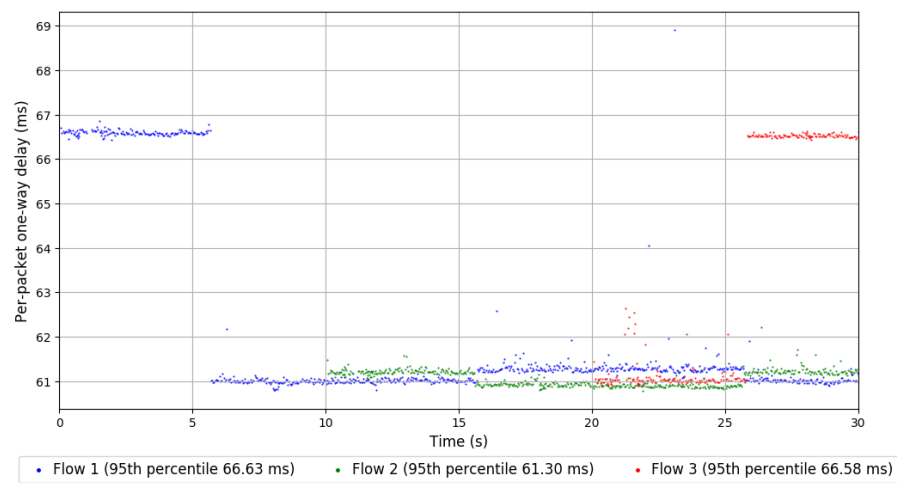
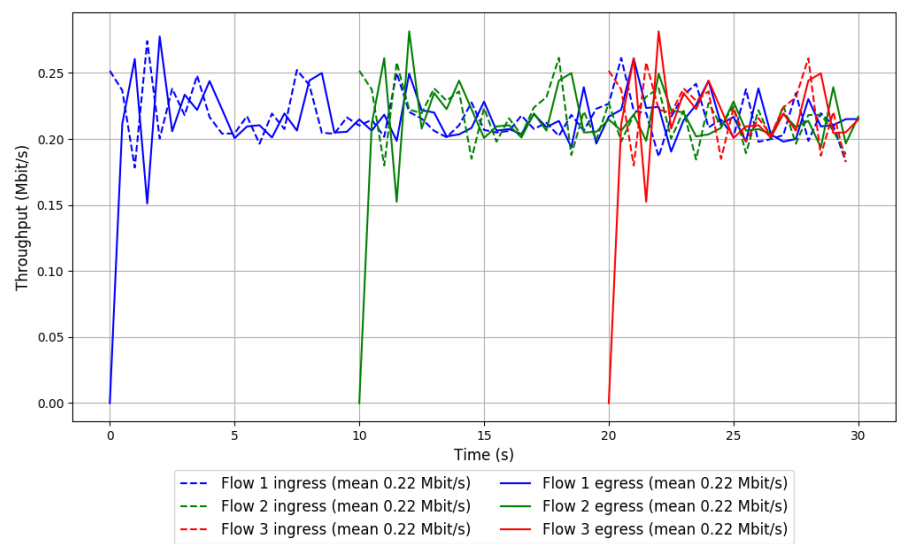
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 66.579 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-19 04:31:51

End at: 2018-07-19 04:32:21

Local clock offset: -0.072 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-07-19 10:32:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.14 Mbit/s

95th percentile per-packet one-way delay: 67.090 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 67.062 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 67.123 ms

Loss rate: 0.00%

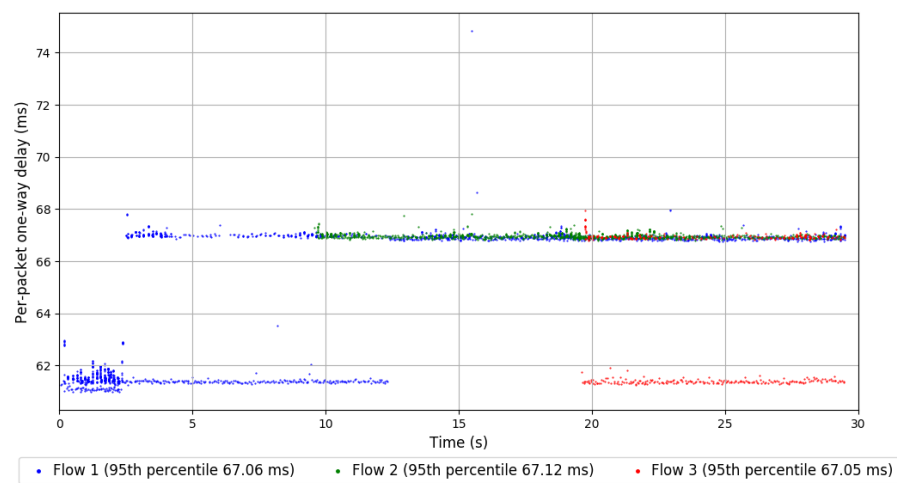
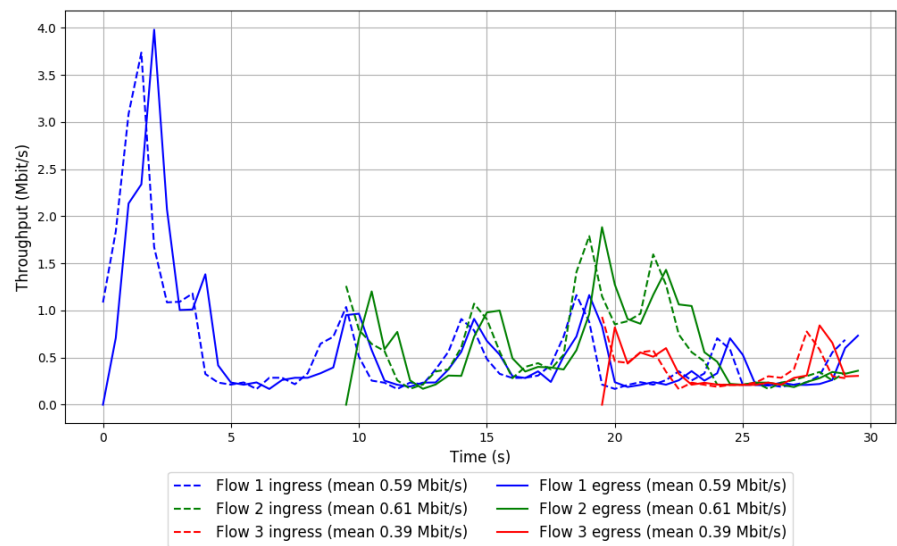
-- Flow 3:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 67.046 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

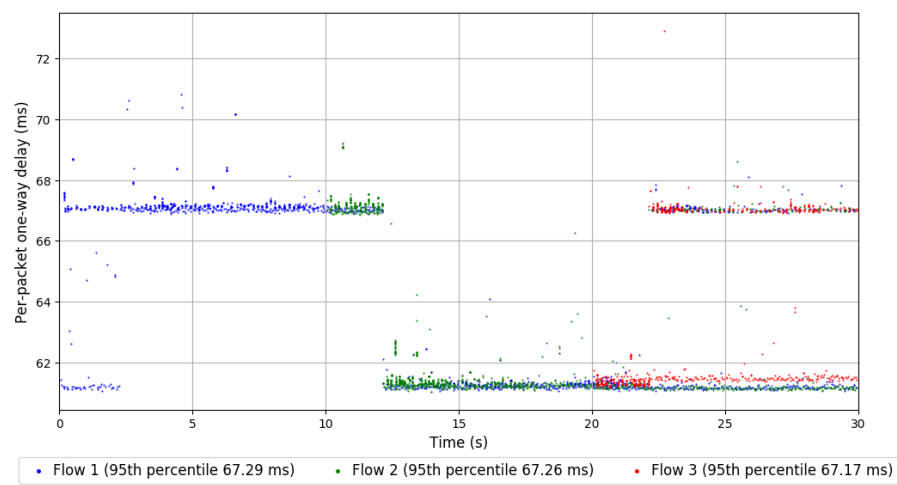
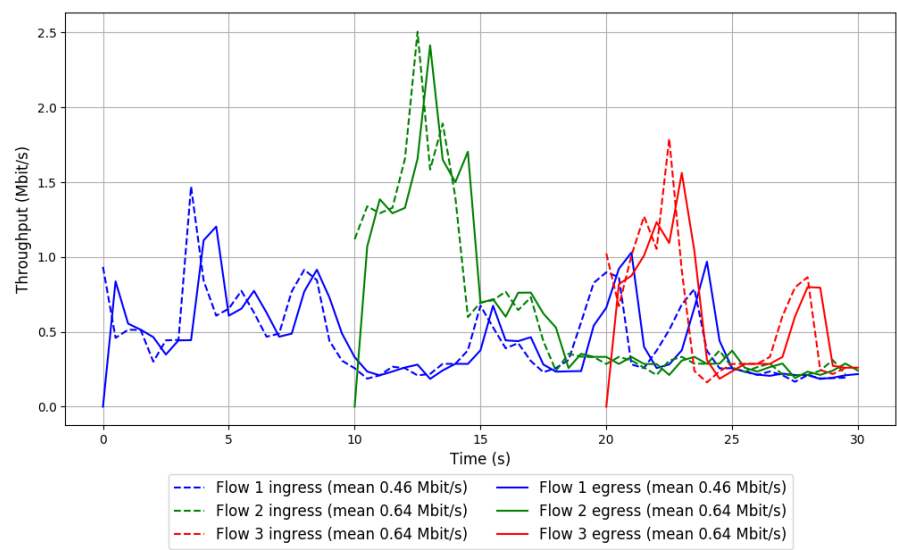


Run 2: Statistics of Sprout

Start at: 2018-07-19 04:55:32
End at: 2018-07-19 04:56:02
Local clock offset: -0.048 ms
Remote clock offset: 0.237 ms

```
# Below is generated by plot.py at 2018-07-19 10:32:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 67.240 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 67.294 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 67.260 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 67.171 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

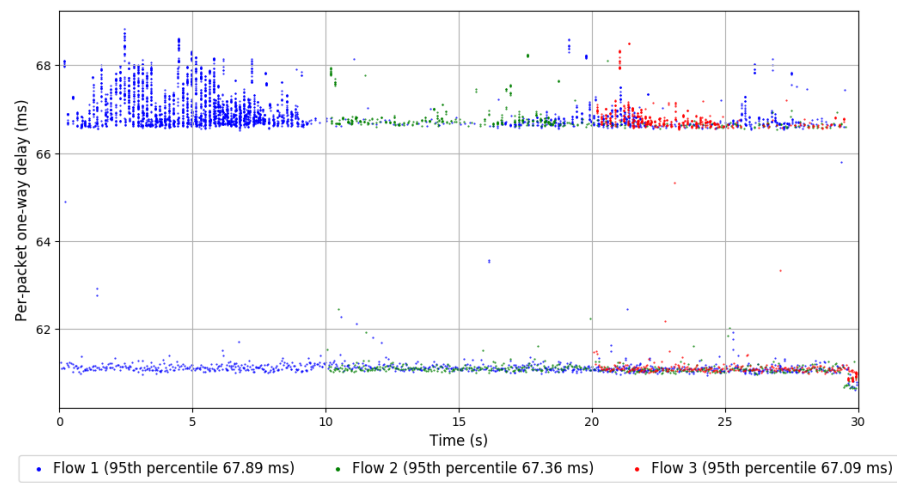
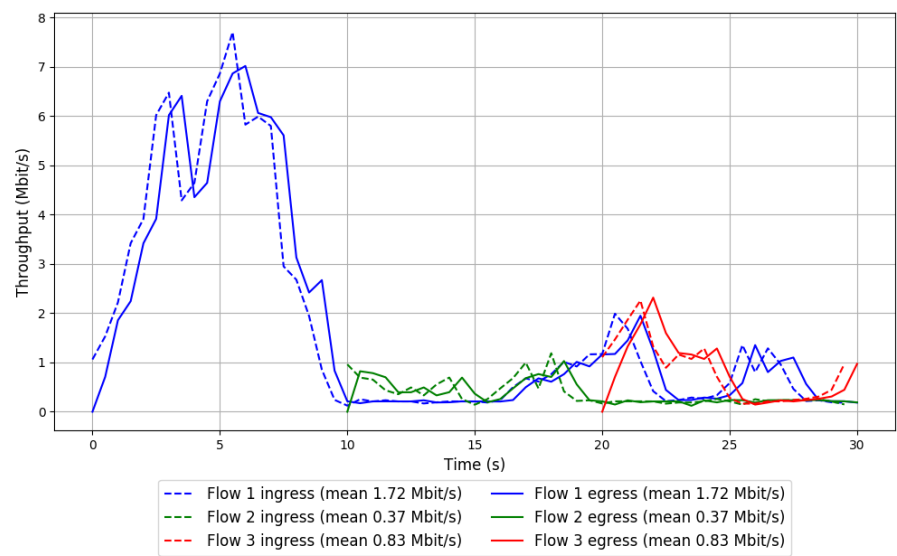


Run 3: Statistics of Sprout

Start at: 2018-07-19 05:19:25
End at: 2018-07-19 05:19:55
Local clock offset: -0.02 ms
Remote clock offset: -0.118 ms

```
# Below is generated by plot.py at 2018-07-19 10:32:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 67.834 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.72 Mbit/s
95th percentile per-packet one-way delay: 67.891 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 67.363 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 67.086 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

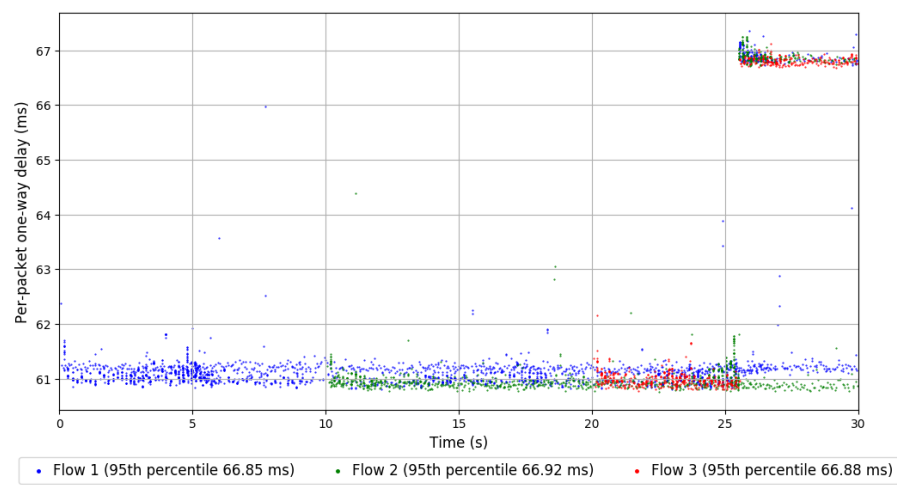
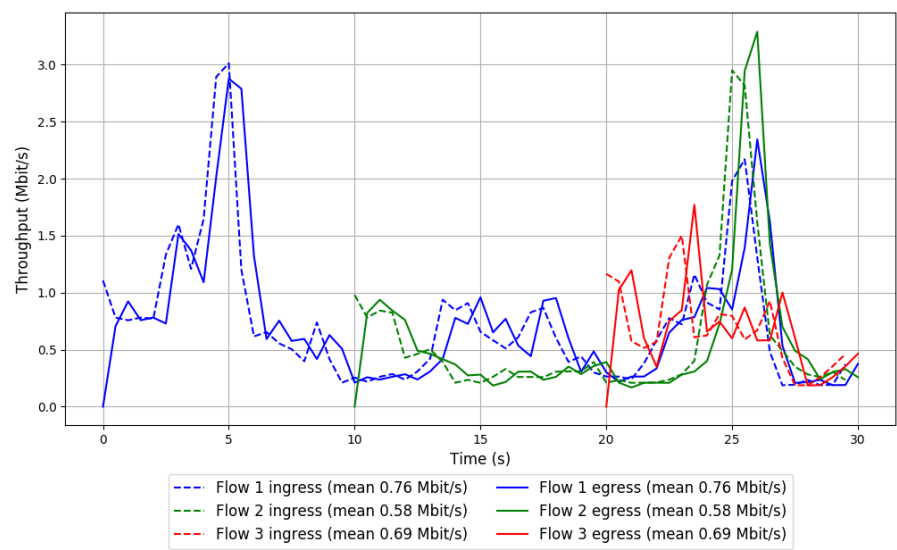


Run 4: Statistics of Sprout

Start at: 2018-07-19 05:43:19
End at: 2018-07-19 05:43:49
Local clock offset: 0.022 ms
Remote clock offset: -0.009 ms

```
# Below is generated by plot.py at 2018-07-19 10:32:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 66.890 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 66.849 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 66.925 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 66.881 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-19 06:07:41

End at: 2018-07-19 06:08:11

Local clock offset: 0.021 ms

Remote clock offset: -0.28 ms

Below is generated by plot.py at 2018-07-19 10:32:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 66.807 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 66.760 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 2.48 Mbit/s

95th percentile per-packet one-way delay: 66.874 ms

Loss rate: 0.00%

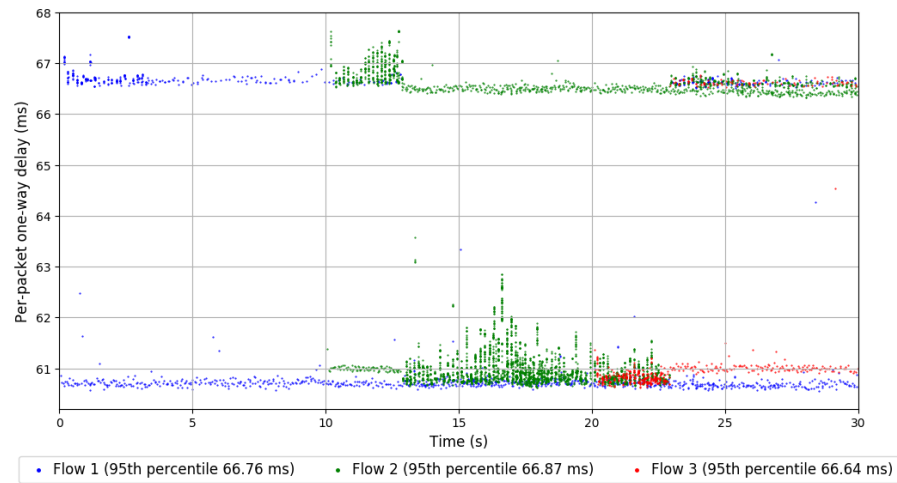
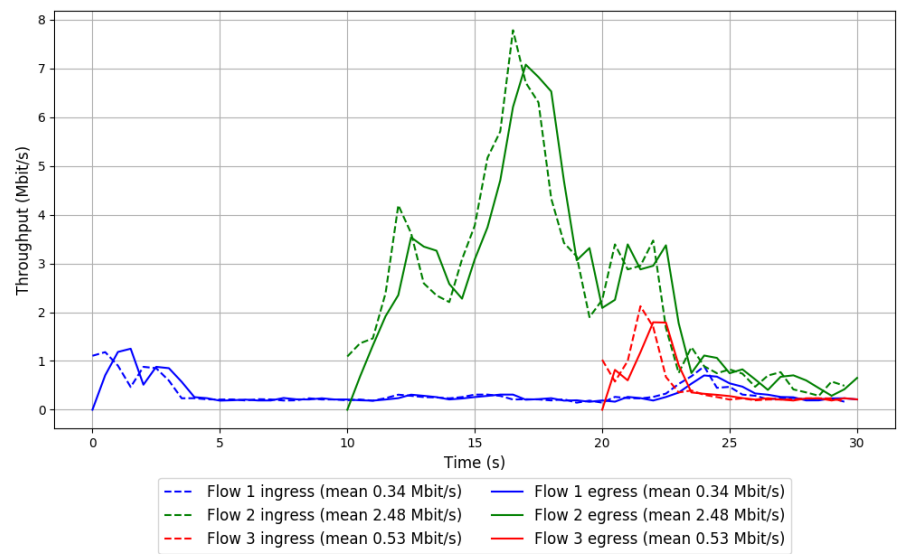
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 66.644 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

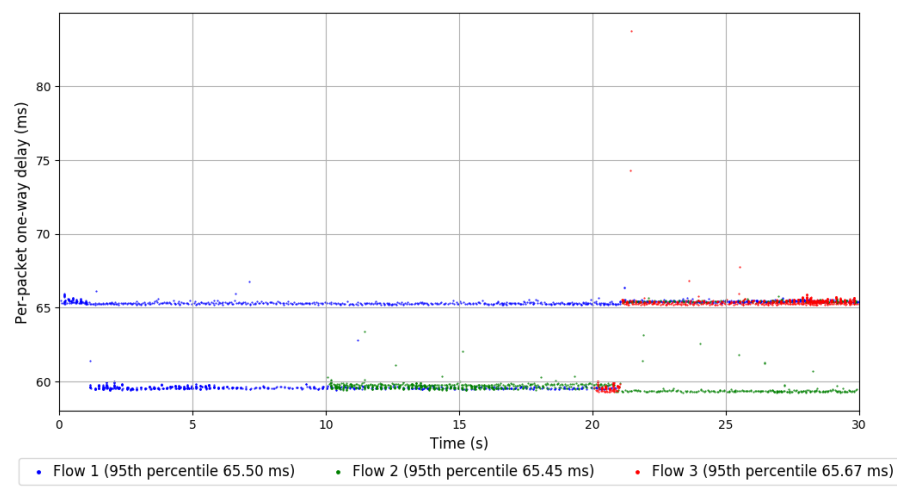
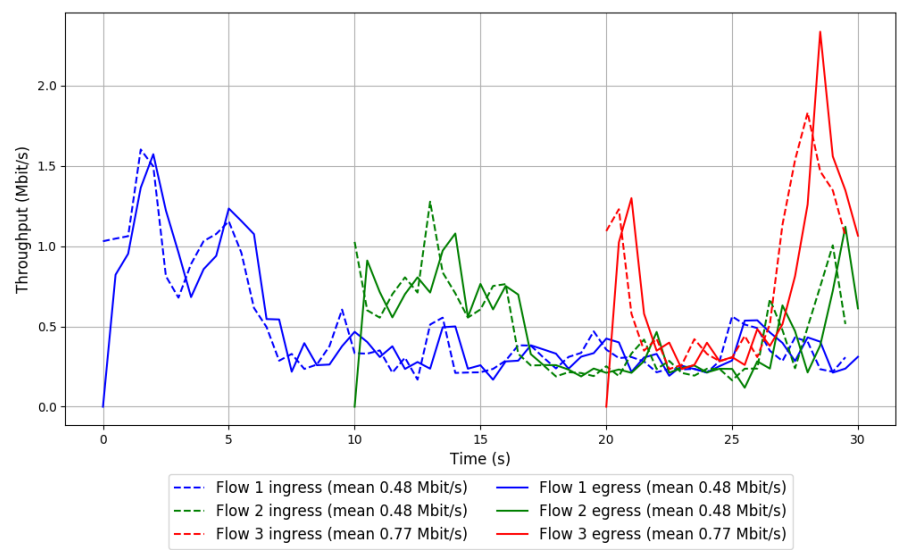


Run 6: Statistics of Sprout

Start at: 2018-07-19 06:31:43
End at: 2018-07-19 06:32:13
Local clock offset: -0.017 ms
Remote clock offset: -1.528 ms

```
# Below is generated by plot.py at 2018-07-19 10:32:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 65.529 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 65.496 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 65.454 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 65.670 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

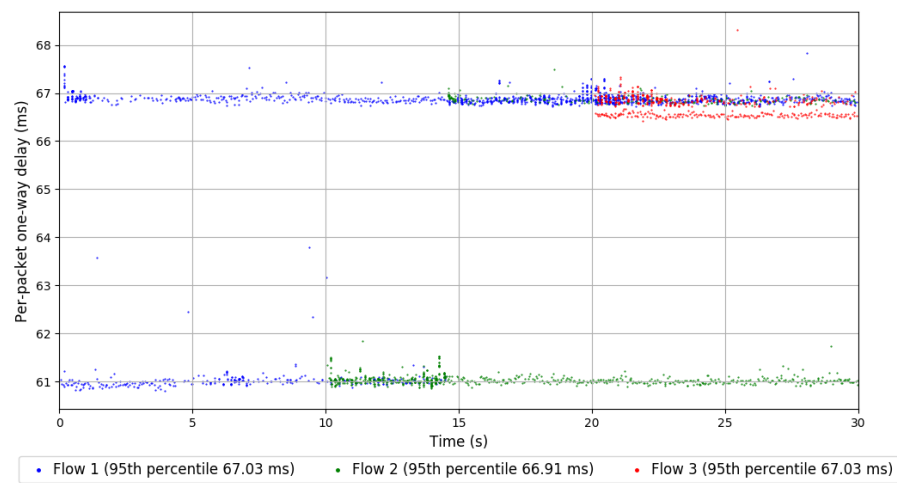
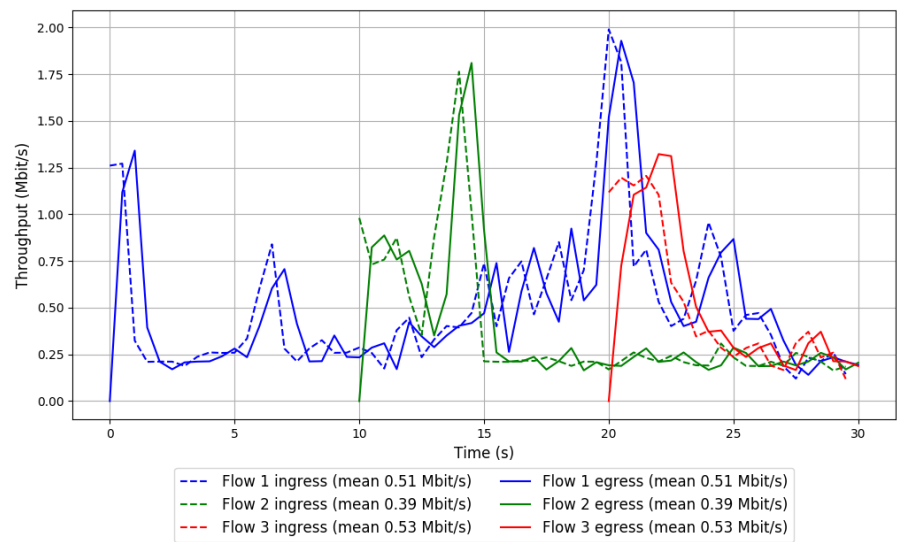


Run 7: Statistics of Sprout

Start at: 2018-07-19 06:55:40
End at: 2018-07-19 06:56:10
Local clock offset: -0.065 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-07-19 10:32:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.94 Mbit/s
95th percentile per-packet one-way delay: 66.996 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 67.030 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 66.911 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 67.027 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

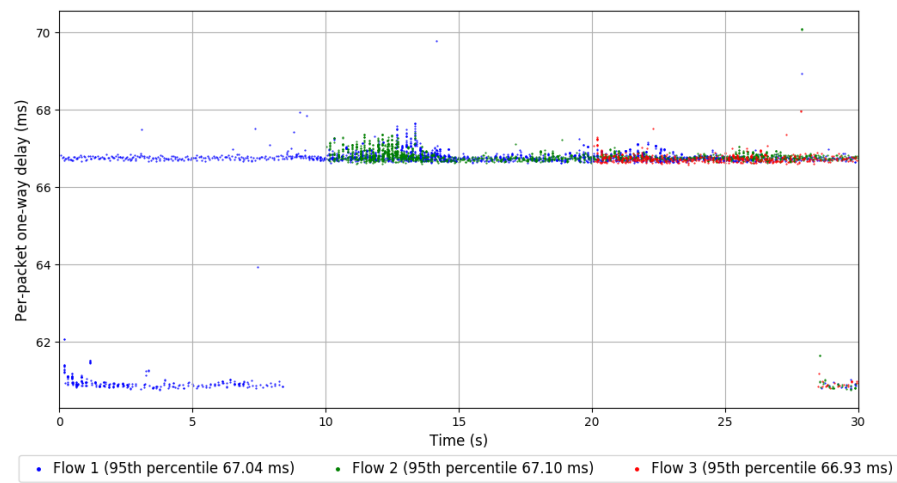
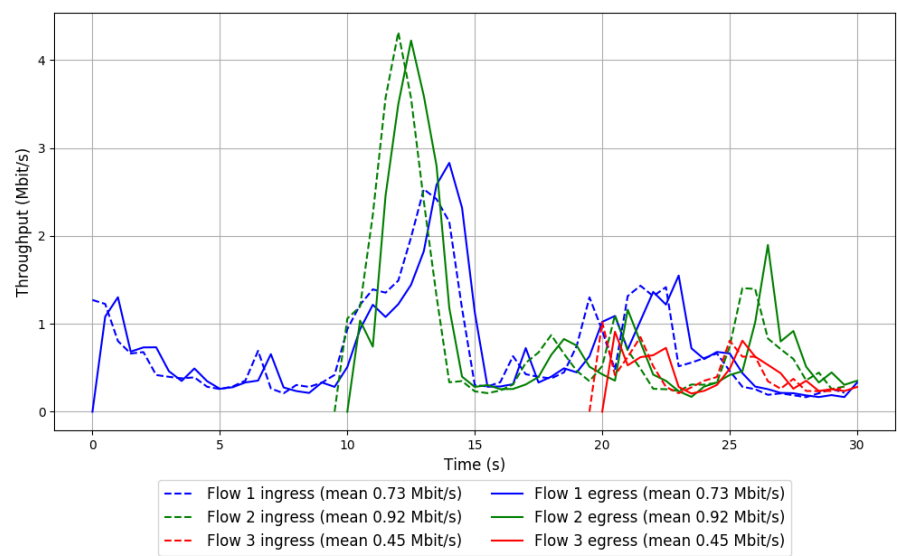


Run 8: Statistics of Sprout

Start at: 2018-07-19 07:19:16
End at: 2018-07-19 07:19:46
Local clock offset: -0.057 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-19 10:32:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 67.069 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 67.043 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.92 Mbit/s
95th percentile per-packet one-way delay: 67.103 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 66.930 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

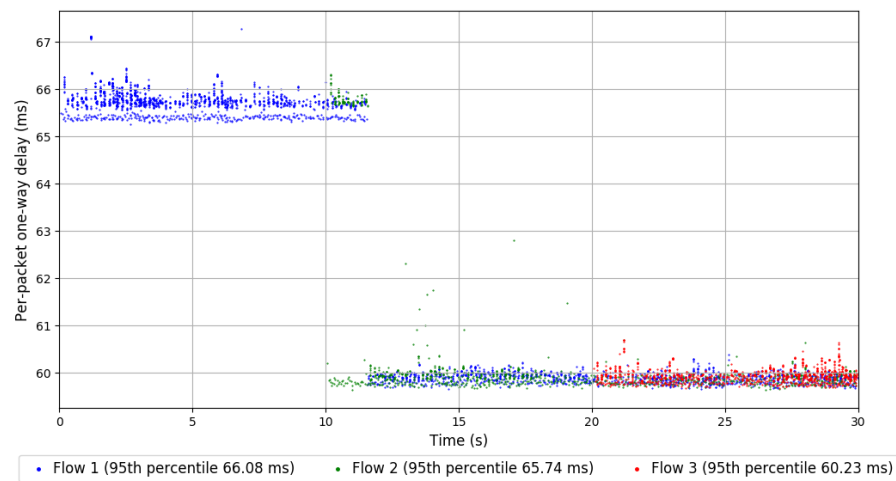
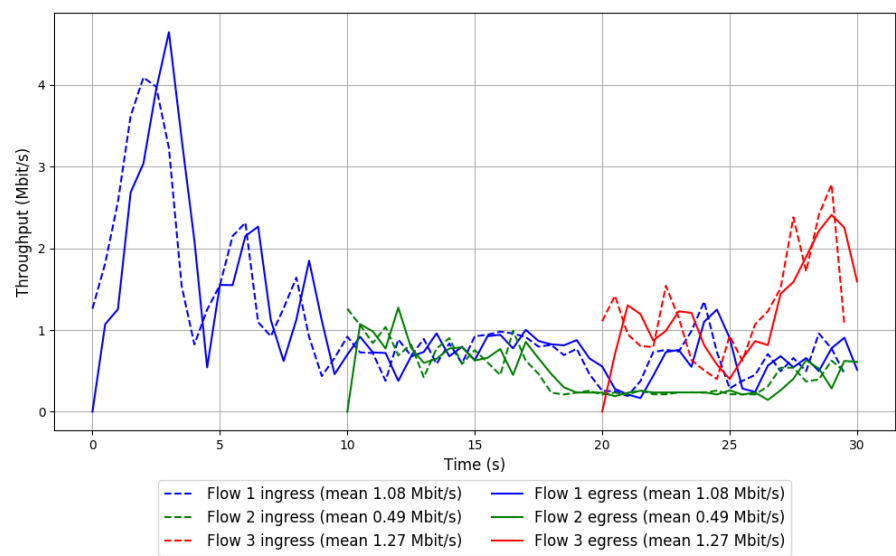


Run 9: Statistics of Sprout

Start at: 2018-07-19 07:43:13
End at: 2018-07-19 07:43:43
Local clock offset: -0.056 ms
Remote clock offset: -1.136 ms

Below is generated by plot.py at 2018-07-19 10:32:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 65.977 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 66.085 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 65.740 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 60.229 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

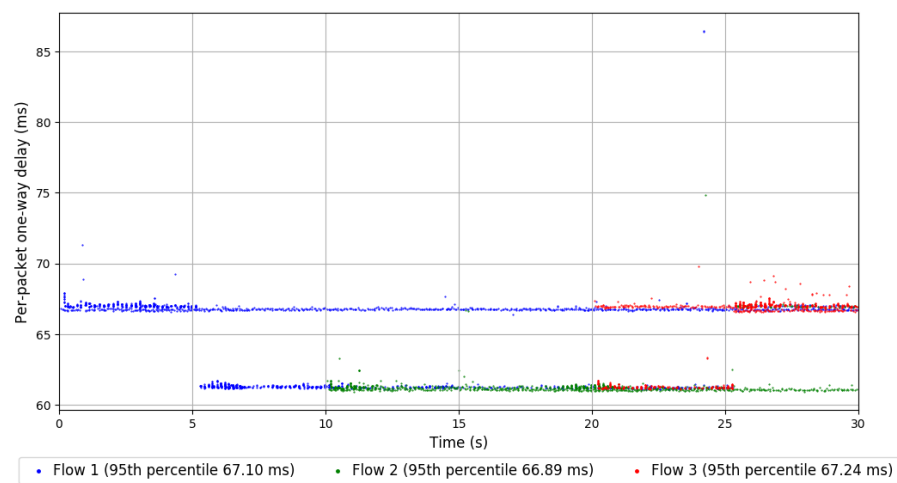
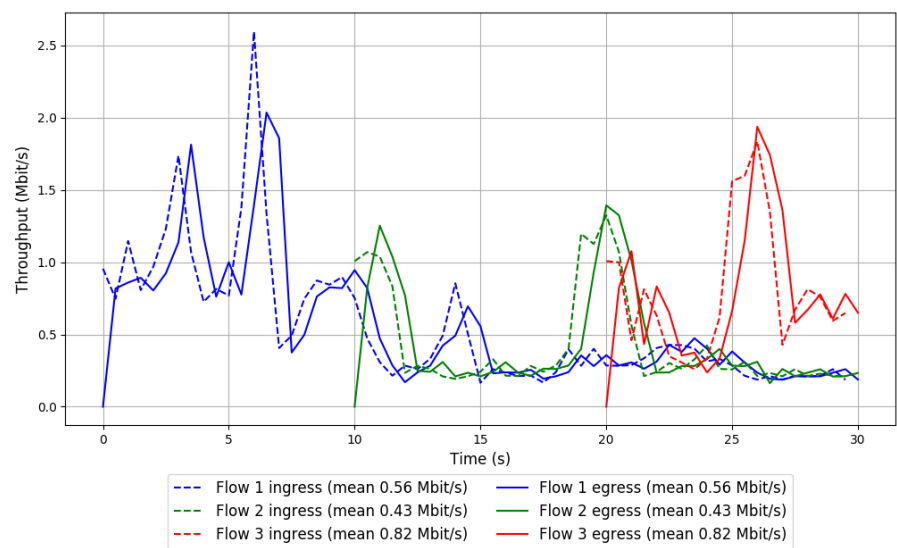


Run 10: Statistics of Sprout

Start at: 2018-07-19 08:06:59
End at: 2018-07-19 08:07:29
Local clock offset: -0.056 ms
Remote clock offset: 0.136 ms

```
# Below is generated by plot.py at 2018-07-19 10:32:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 67.111 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 67.104 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 66.894 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.82 Mbit/s
95th percentile per-packet one-way delay: 67.243 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

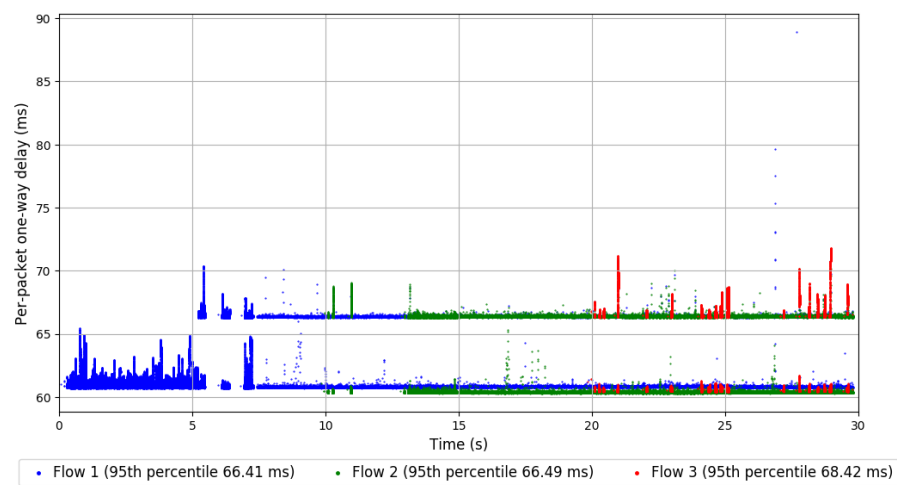
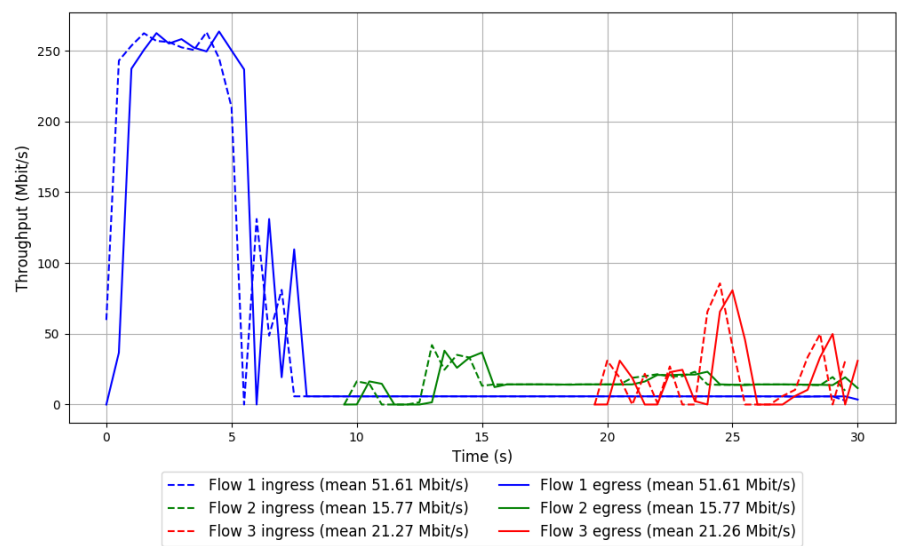


Run 1: Statistics of TaoVA-100x

Start at: 2018-07-19 04:34:29
End at: 2018-07-19 04:34:59
Local clock offset: -0.028 ms
Remote clock offset: -0.305 ms

Below is generated by plot.py at 2018-07-19 10:32:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.30 Mbit/s
95th percentile per-packet one-way delay: 66.514 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.61 Mbit/s
95th percentile per-packet one-way delay: 66.405 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.77 Mbit/s
95th percentile per-packet one-way delay: 66.491 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 21.26 Mbit/s
95th percentile per-packet one-way delay: 68.422 ms
Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-19 04:58:08

End at: 2018-07-19 04:58:38

Local clock offset: -0.021 ms

Remote clock offset: 0.196 ms

Below is generated by plot.py at 2018-07-19 10:32:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.59 Mbit/s

95th percentile per-packet one-way delay: 80.801 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 16.55 Mbit/s

95th percentile per-packet one-way delay: 87.339 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.72 Mbit/s

95th percentile per-packet one-way delay: 67.582 ms

Loss rate: 0.03%

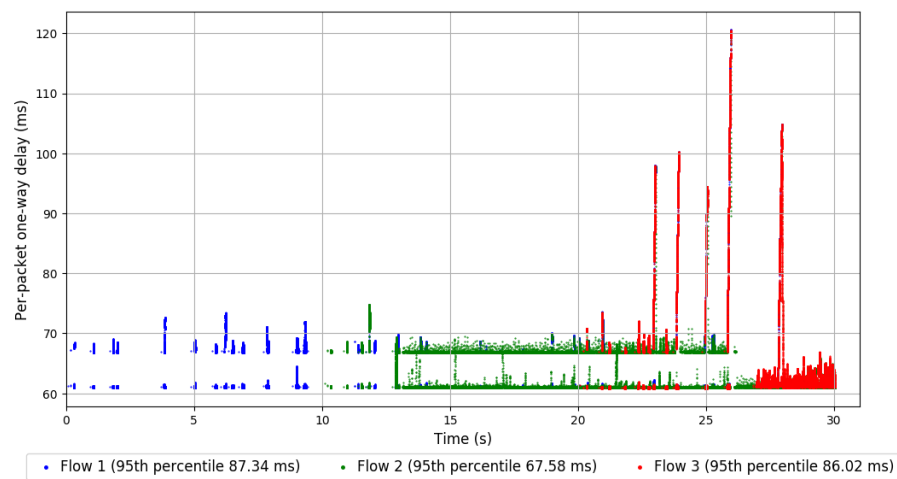
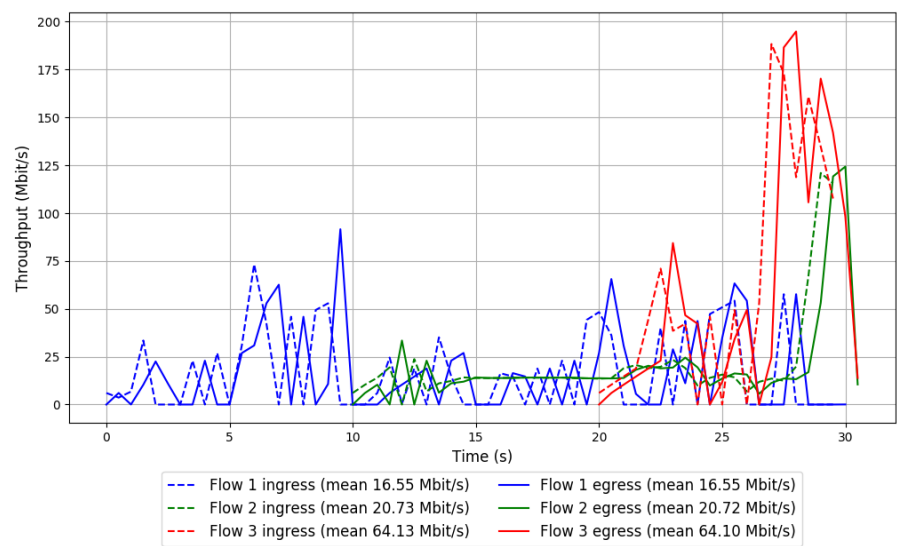
-- Flow 3:

Average throughput: 64.10 Mbit/s

95th percentile per-packet one-way delay: 86.023 ms

Loss rate: 0.02%

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

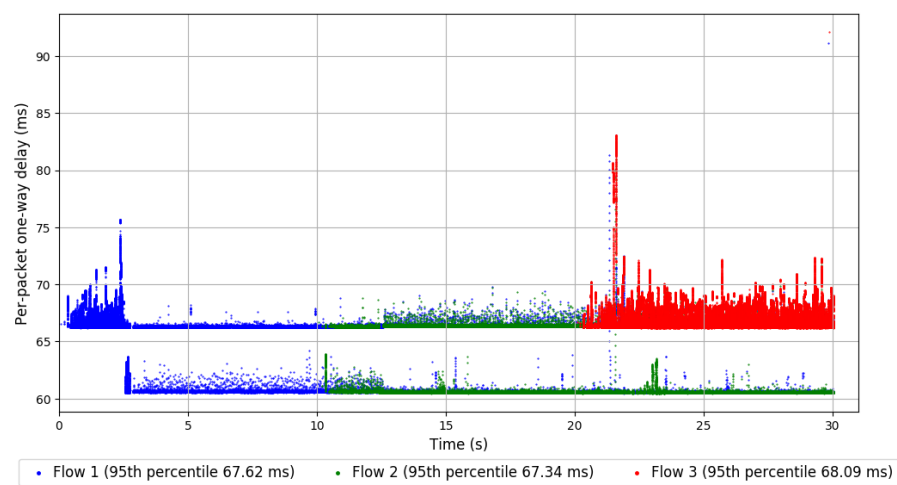
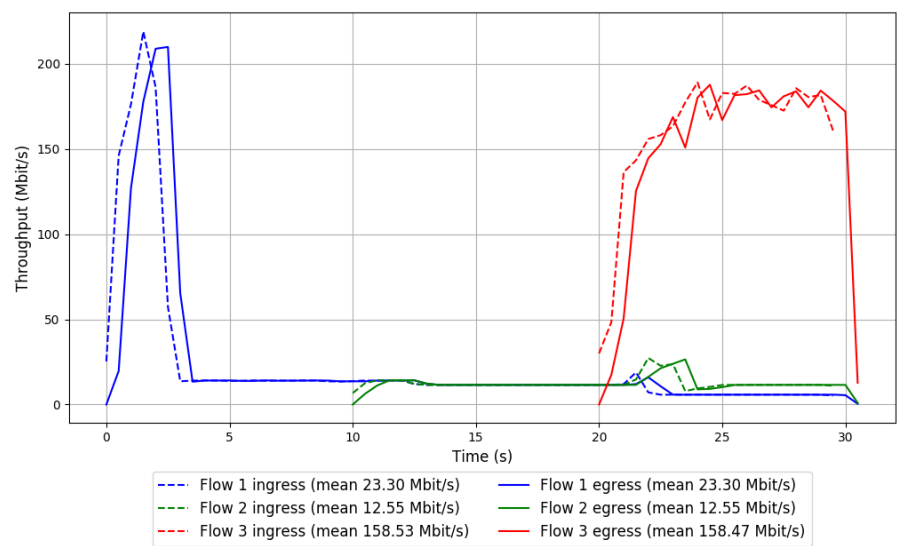


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-19 05:22:02
End at: 2018-07-19 05:22:32
Local clock offset: -0.009 ms
Remote clock offset: -0.294 ms

Below is generated by plot.py at 2018-07-19 10:32:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.29 Mbit/s
95th percentile per-packet one-way delay: 67.945 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 23.30 Mbit/s
95th percentile per-packet one-way delay: 67.622 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 12.55 Mbit/s
95th percentile per-packet one-way delay: 67.339 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 158.47 Mbit/s
95th percentile per-packet one-way delay: 68.088 ms
Loss rate: 0.09%

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

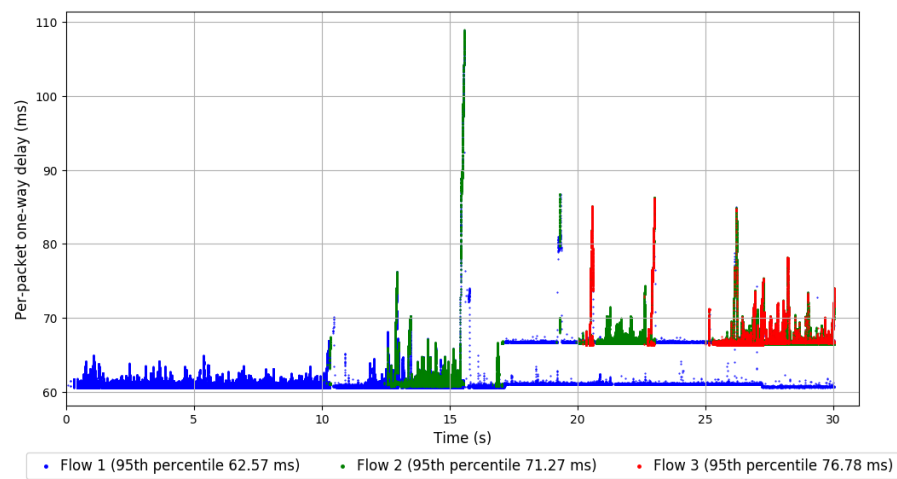
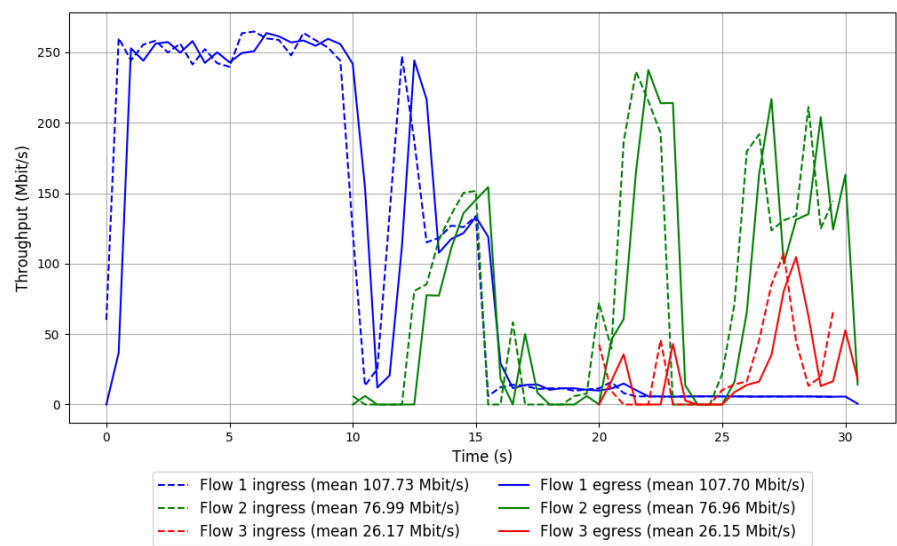


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-19 05:45:57
End at: 2018-07-19 05:46:27
Local clock offset: 0.008 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-19 10:33:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 167.67 Mbit/s
95th percentile per-packet one-way delay: 68.196 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 107.70 Mbit/s
95th percentile per-packet one-way delay: 62.566 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 76.96 Mbit/s
95th percentile per-packet one-way delay: 71.265 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.15 Mbit/s
95th percentile per-packet one-way delay: 76.784 ms
Loss rate: 0.00%

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

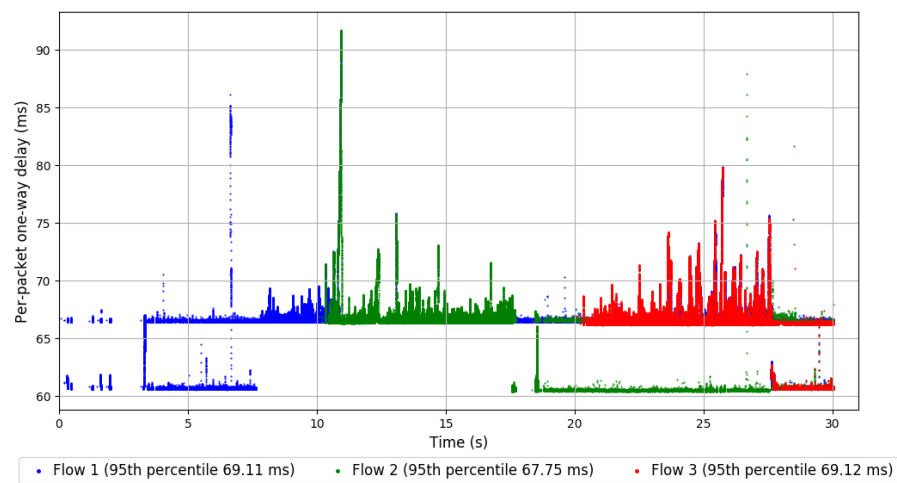
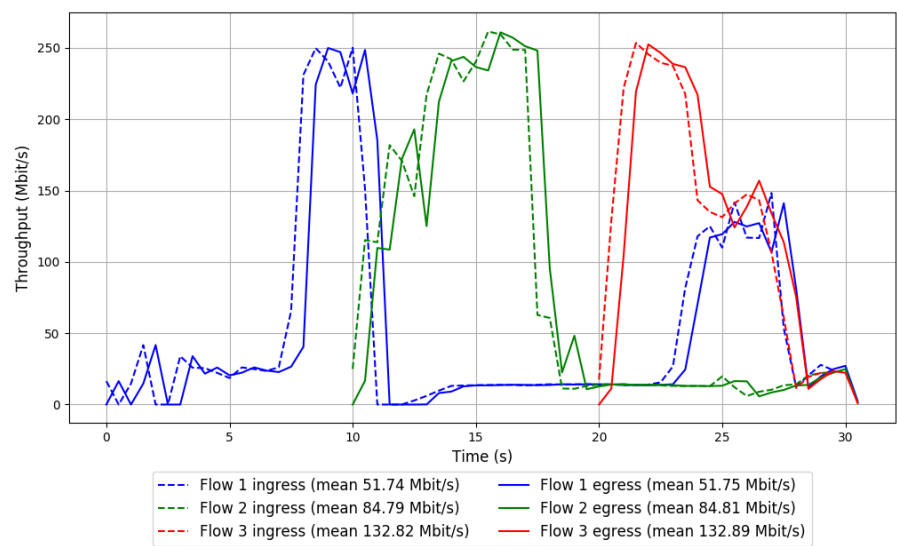


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-19 06:10:17
End at: 2018-07-19 06:10:47
Local clock offset: 0.028 ms
Remote clock offset: -0.266 ms

Below is generated by plot.py at 2018-07-19 10:33:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 152.37 Mbit/s
95th percentile per-packet one-way delay: 68.607 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.75 Mbit/s
95th percentile per-packet one-way delay: 69.108 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 84.81 Mbit/s
95th percentile per-packet one-way delay: 67.754 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 132.89 Mbit/s
95th percentile per-packet one-way delay: 69.125 ms
Loss rate: 0.00%

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

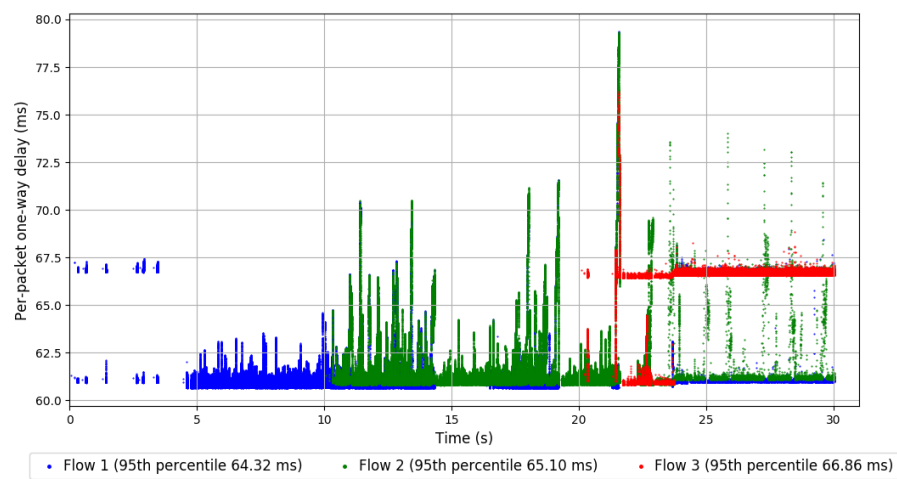
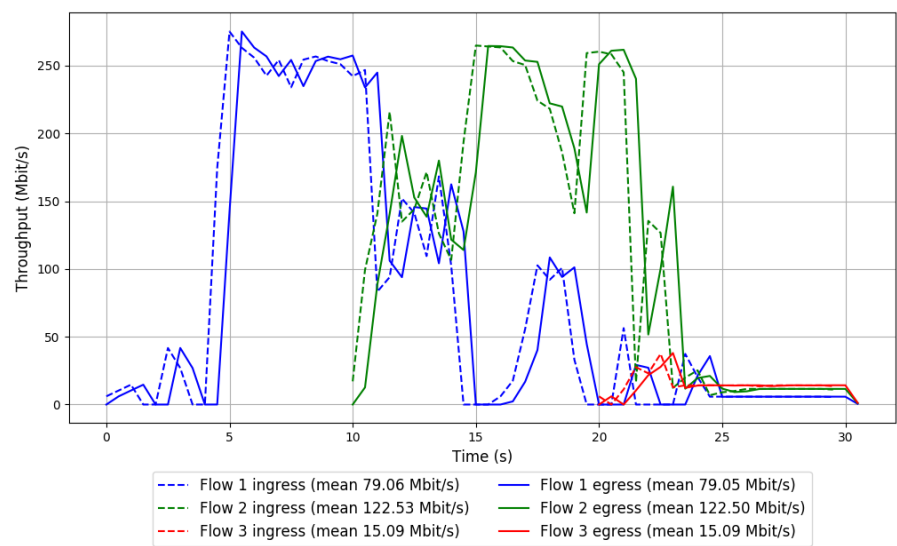


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-19 06:34:21
End at: 2018-07-19 06:34:51
Local clock offset: -0.001 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-19 10:34:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 165.65 Mbit/s
95th percentile per-packet one-way delay: 66.600 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.05 Mbit/s
95th percentile per-packet one-way delay: 64.323 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 122.50 Mbit/s
95th percentile per-packet one-way delay: 65.103 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.09 Mbit/s
95th percentile per-packet one-way delay: 66.865 ms
Loss rate: 0.00%

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

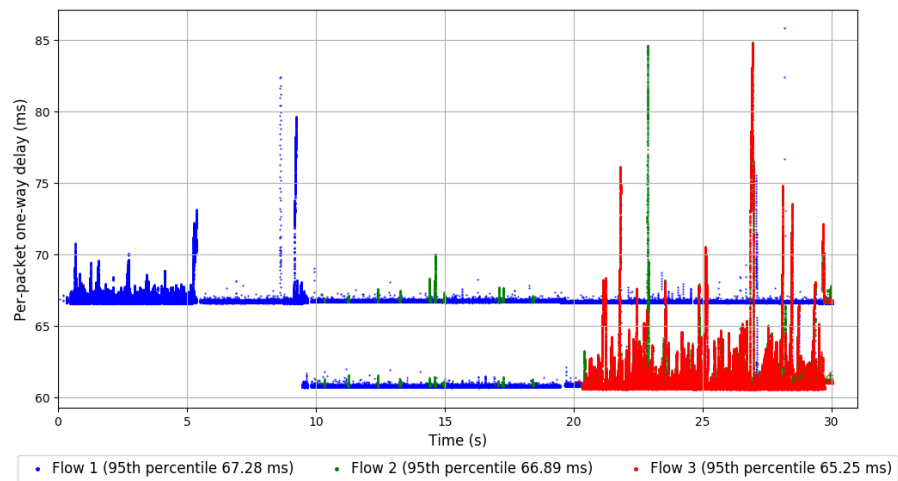
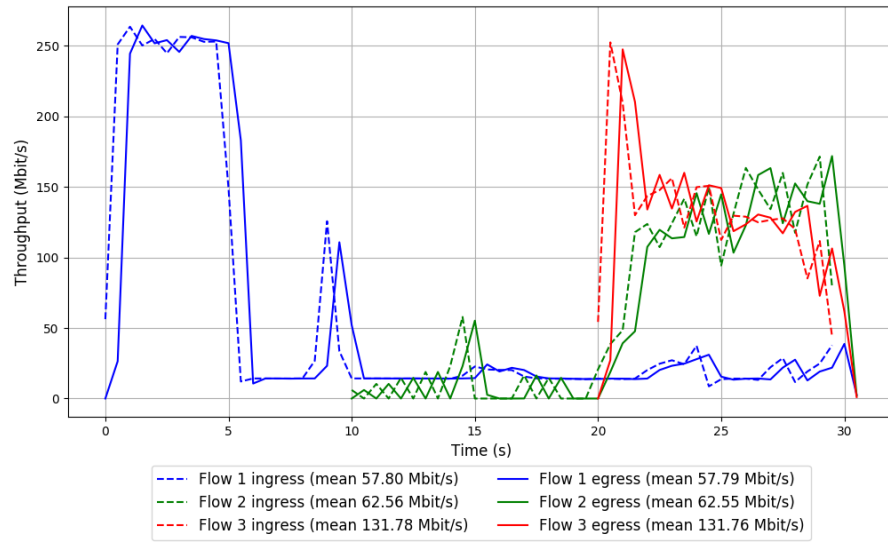


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-19 06:58:15
End at: 2018-07-19 06:58:45
Local clock offset: -0.066 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-07-19 10:34:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 143.23 Mbit/s
95th percentile per-packet one-way delay: 67.087 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 57.79 Mbit/s
95th percentile per-packet one-way delay: 67.281 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 62.55 Mbit/s
95th percentile per-packet one-way delay: 66.894 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 131.76 Mbit/s
95th percentile per-packet one-way delay: 65.249 ms
Loss rate: 0.00%

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

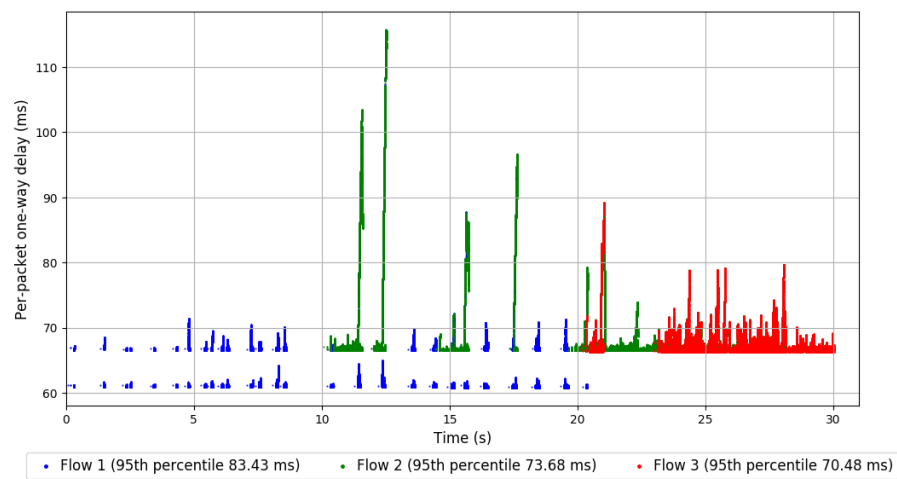
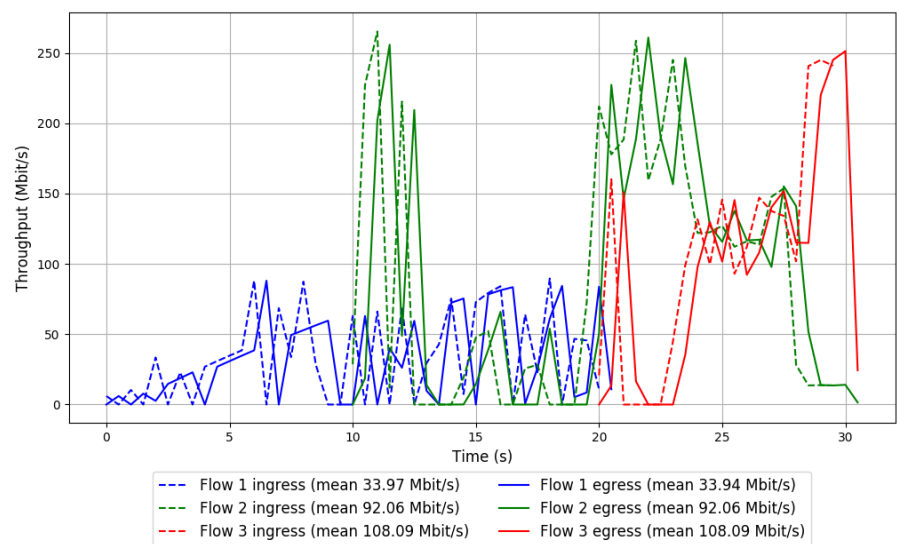


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-19 07:21:50
End at: 2018-07-19 07:22:20
Local clock offset: -0.077 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-07-19 10:34:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 120.23 Mbit/s
95th percentile per-packet one-way delay: 73.526 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.94 Mbit/s
95th percentile per-packet one-way delay: 83.432 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 92.06 Mbit/s
95th percentile per-packet one-way delay: 73.682 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 108.09 Mbit/s
95th percentile per-packet one-way delay: 70.484 ms
Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-19 07:45:49

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

Local clock offset: -0.061 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-19 10:34:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.90 Mbit/s

95th percentile per-packet one-way delay: 72.993 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 32.38 Mbit/s

95th percentile per-packet one-way delay: 73.872 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 75.84 Mbit/s

95th percentile per-packet one-way delay: 71.965 ms

Loss rate: 0.00%

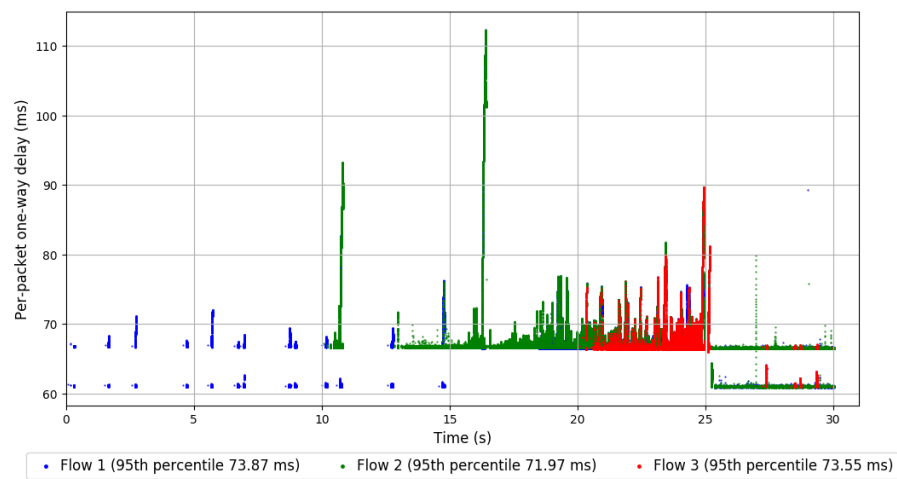
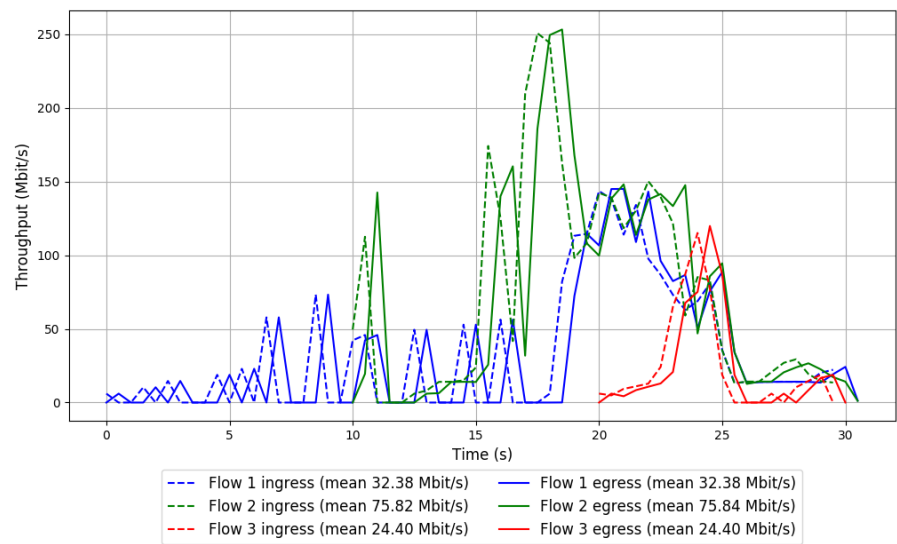
-- Flow 3:

Average throughput: 24.40 Mbit/s

95th percentile per-packet one-way delay: 73.549 ms

Loss rate: 0.00%

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

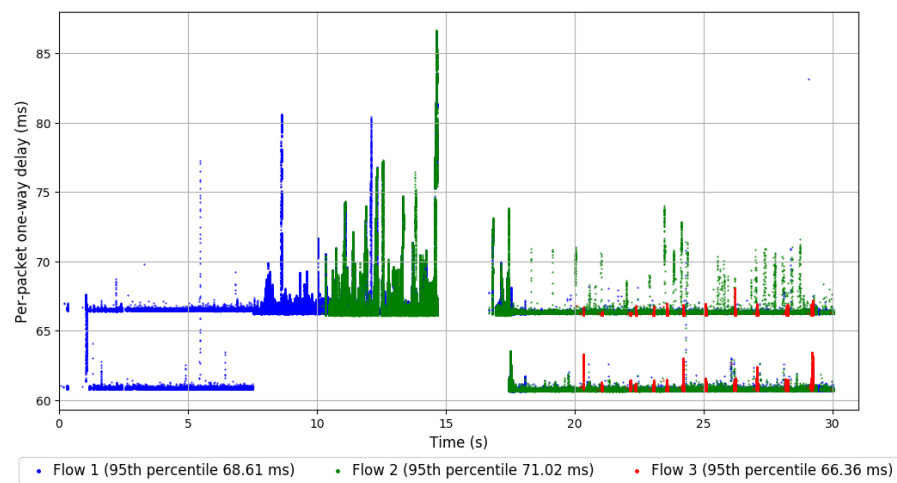
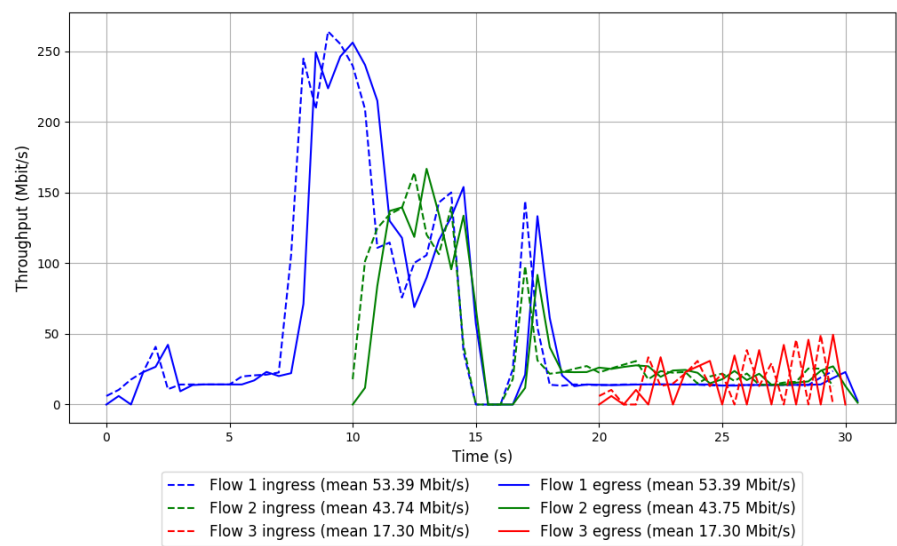


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-19 08:09:37
End at: 2018-07-19 08:10:07
Local clock offset: -0.047 ms
Remote clock offset: -0.247 ms

Below is generated by plot.py at 2018-07-19 10:34:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.22 Mbit/s
95th percentile per-packet one-way delay: 69.233 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.39 Mbit/s
95th percentile per-packet one-way delay: 68.606 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.75 Mbit/s
95th percentile per-packet one-way delay: 71.017 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.30 Mbit/s
95th percentile per-packet one-way delay: 66.359 ms
Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-19 04:40:42

End at: 2018-07-19 04:41:12

Local clock offset: -0.066 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-07-19 10:36:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 214.00 Mbit/s

95th percentile per-packet one-way delay: 75.441 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 182.05 Mbit/s

95th percentile per-packet one-way delay: 75.659 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 29.33 Mbit/s

95th percentile per-packet one-way delay: 70.606 ms

Loss rate: 0.00%

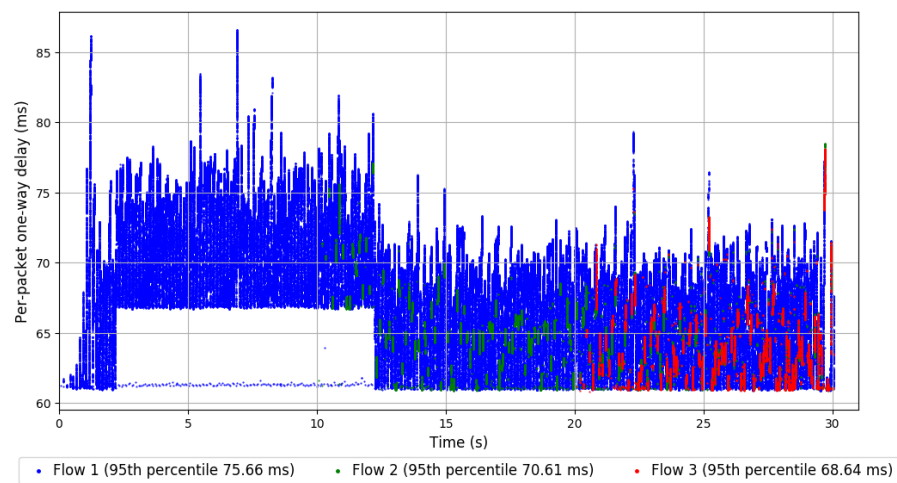
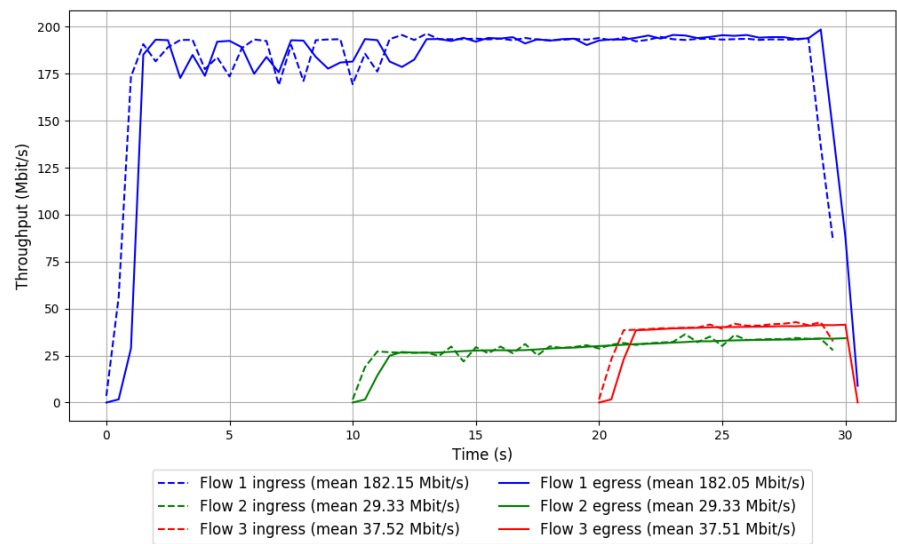
-- Flow 3:

Average throughput: 37.51 Mbit/s

95th percentile per-packet one-way delay: 68.639 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

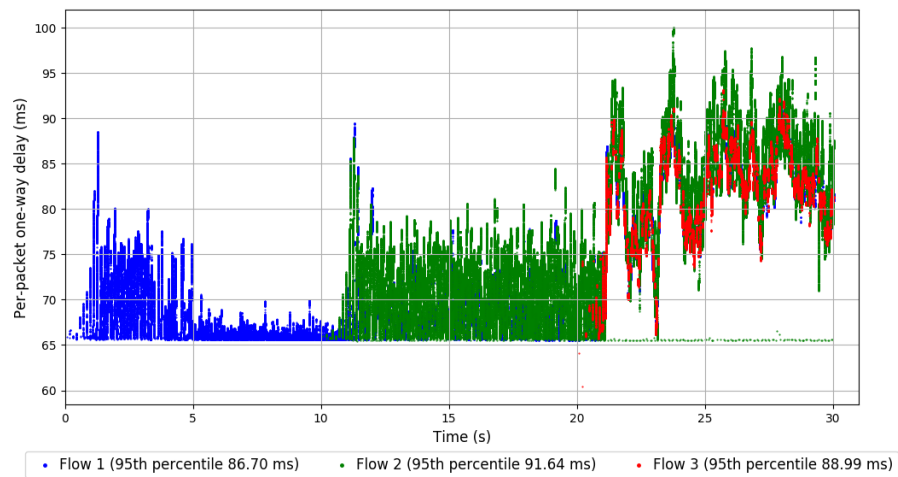
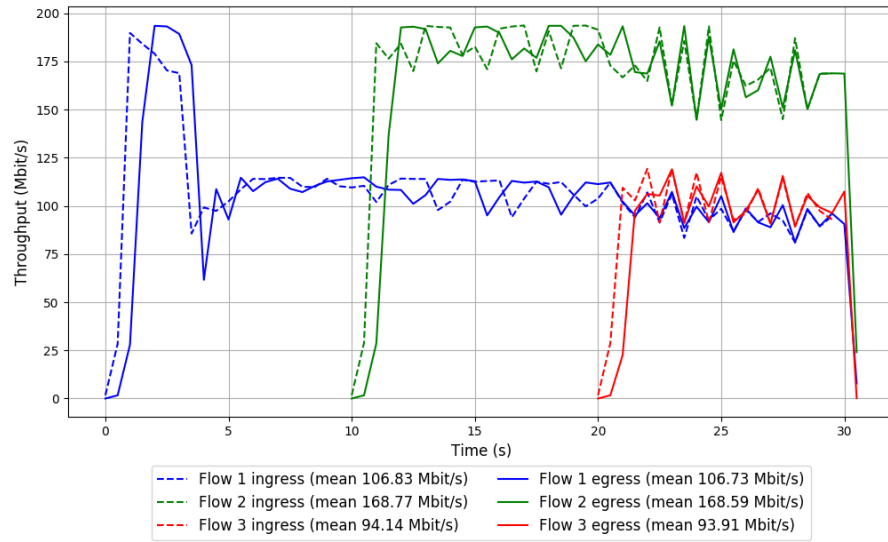


Run 2: Statistics of TCP Vegas

Start at: 2018-07-19 05:04:26
End at: 2018-07-19 05:04:56
Local clock offset: -0.001 ms
Remote clock offset: -1.046 ms

Below is generated by plot.py at 2018-07-19 10:38:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 250.18 Mbit/s
95th percentile per-packet one-way delay: 89.468 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 106.73 Mbit/s
95th percentile per-packet one-way delay: 86.700 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 168.59 Mbit/s
95th percentile per-packet one-way delay: 91.639 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 93.91 Mbit/s
95th percentile per-packet one-way delay: 88.986 ms
Loss rate: 0.30%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-19 05:28:16

End at: 2018-07-19 05:28:46

Local clock offset: -0.009 ms

Remote clock offset: 0.197 ms

Below is generated by plot.py at 2018-07-19 10:38:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 175.43 Mbit/s

95th percentile per-packet one-way delay: 72.698 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 85.99 Mbit/s

95th percentile per-packet one-way delay: 70.767 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 125.53 Mbit/s

95th percentile per-packet one-way delay: 73.293 ms

Loss rate: 0.00%

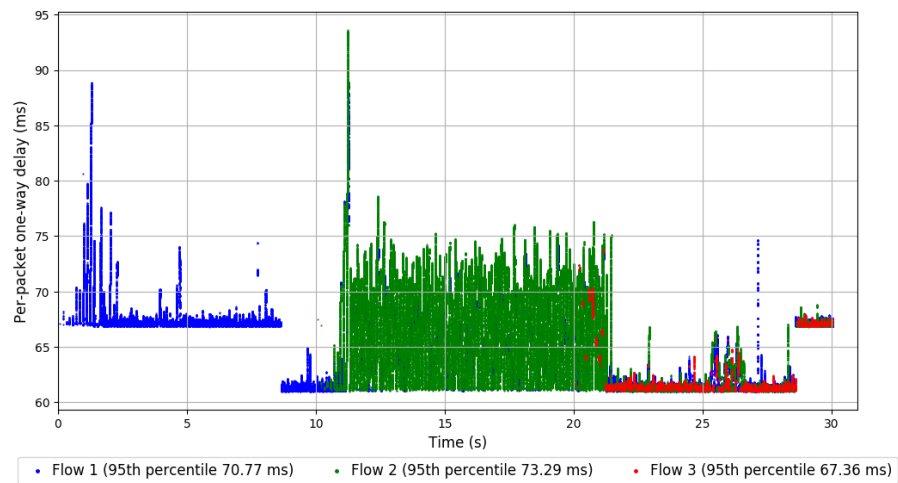
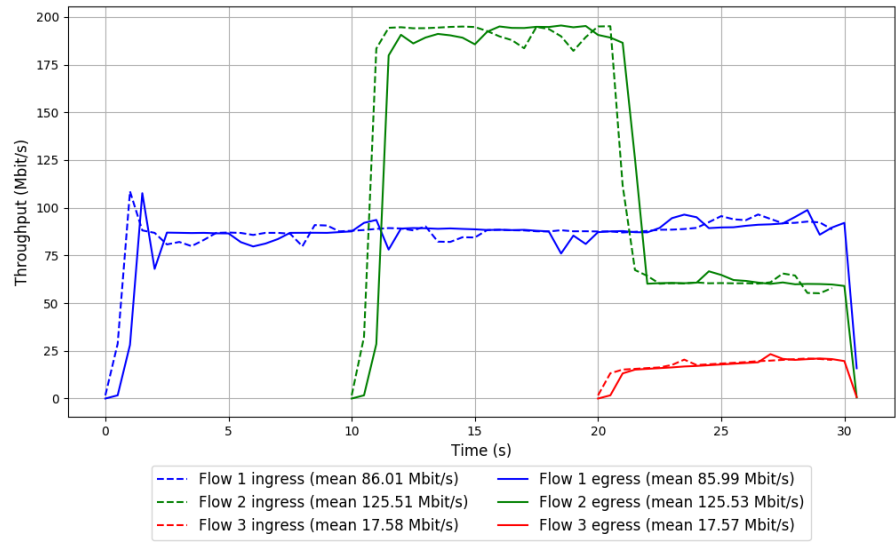
-- Flow 3:

Average throughput: 17.57 Mbit/s

95th percentile per-packet one-way delay: 67.357 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-19 05:52:27

End at: 2018-07-19 05:52:57

Local clock offset: 0.05 ms

Remote clock offset: 0.275 ms

Below is generated by plot.py at 2018-07-19 10:39:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 287.72 Mbit/s

95th percentile per-packet one-way delay: 86.639 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 173.64 Mbit/s

95th percentile per-packet one-way delay: 86.615 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 170.44 Mbit/s

95th percentile per-packet one-way delay: 86.702 ms

Loss rate: 0.00%

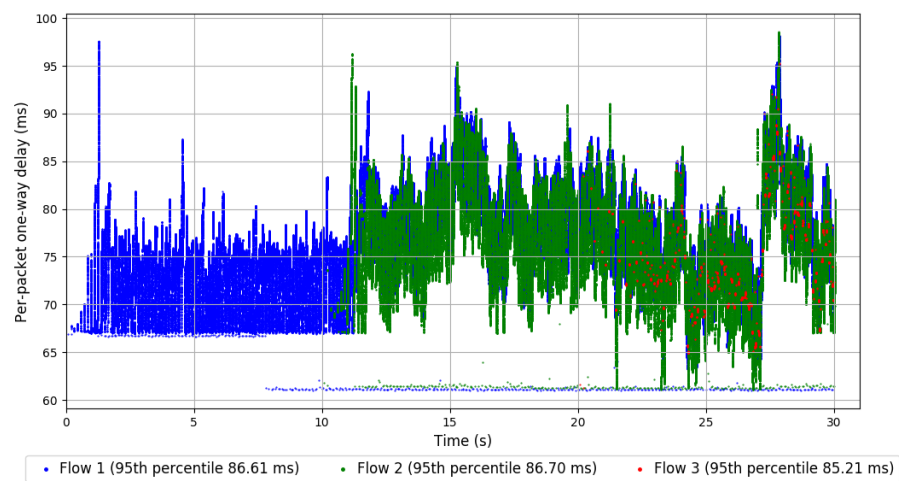
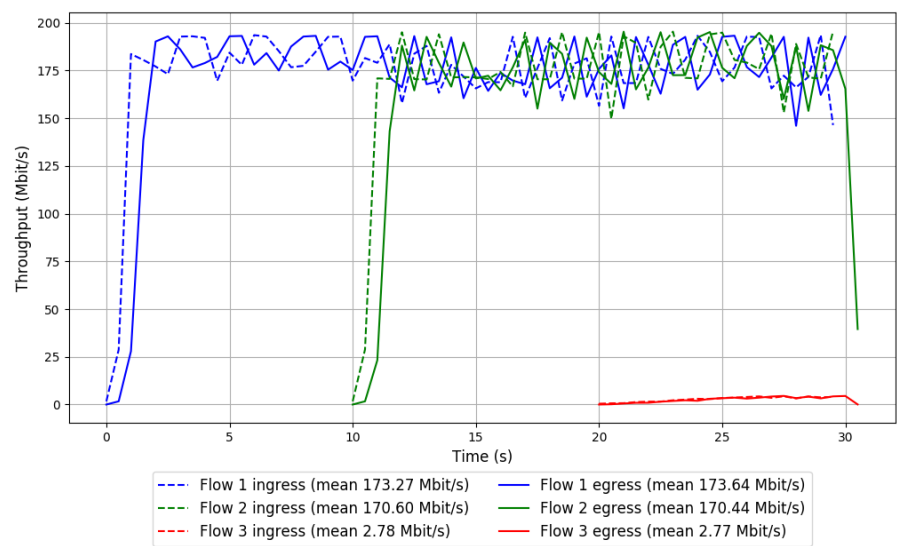
-- Flow 3:

Average throughput: 2.77 Mbit/s

95th percentile per-packet one-way delay: 85.214 ms

Loss rate: 0.35%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-19 06:16:46

End at: 2018-07-19 06:17:16

Local clock offset: 0.026 ms

Remote clock offset: 1.275 ms

Below is generated by plot.py at 2018-07-19 10:39:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 154.91 Mbit/s

95th percentile per-packet one-way delay: 78.076 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 61.71 Mbit/s

95th percentile per-packet one-way delay: 73.639 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 109.67 Mbit/s

95th percentile per-packet one-way delay: 79.097 ms

Loss rate: 0.00%

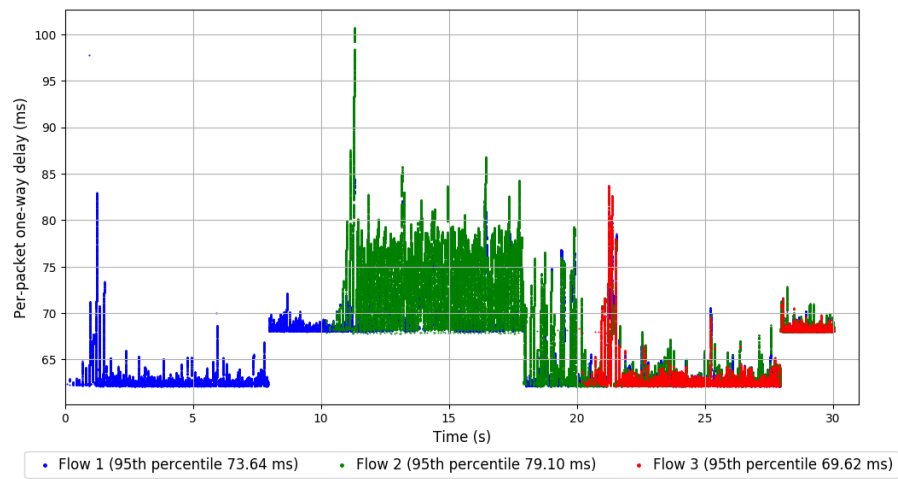
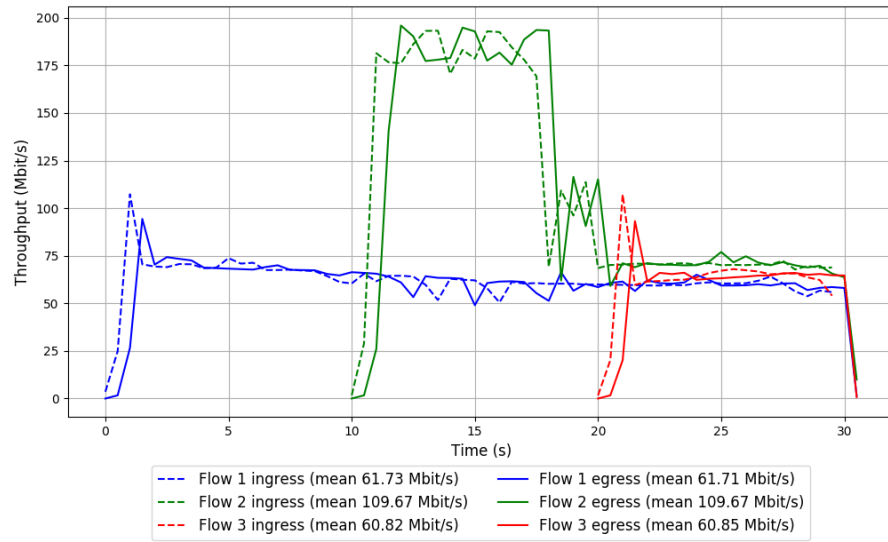
-- Flow 3:

Average throughput: 60.85 Mbit/s

95th percentile per-packet one-way delay: 69.625 ms

Loss rate: 0.03%

Run 5: Report of TCP Vegas — Data Link

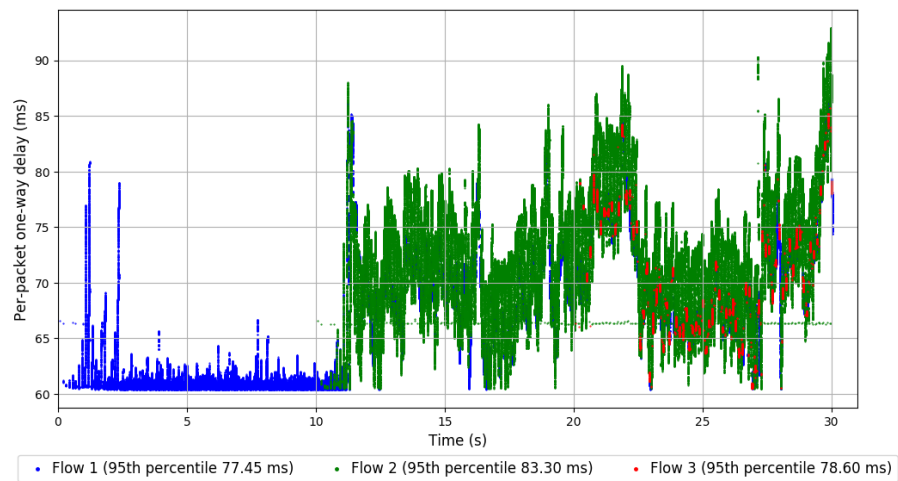
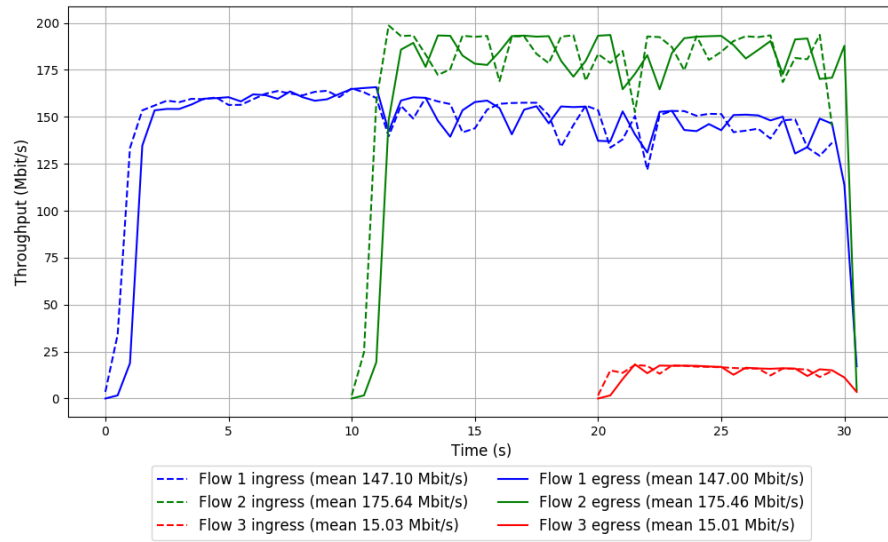


Run 6: Statistics of TCP Vegas

Start at: 2018-07-19 06:40:42
End at: 2018-07-19 06:41:12
Local clock offset: -0.029 ms
Remote clock offset: -0.492 ms

```
# Below is generated by plot.py at 2018-07-19 10:39:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 268.65 Mbit/s
95th percentile per-packet one-way delay: 81.518 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 147.00 Mbit/s
95th percentile per-packet one-way delay: 77.449 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 175.46 Mbit/s
95th percentile per-packet one-way delay: 83.298 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.01 Mbit/s
95th percentile per-packet one-way delay: 78.604 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link

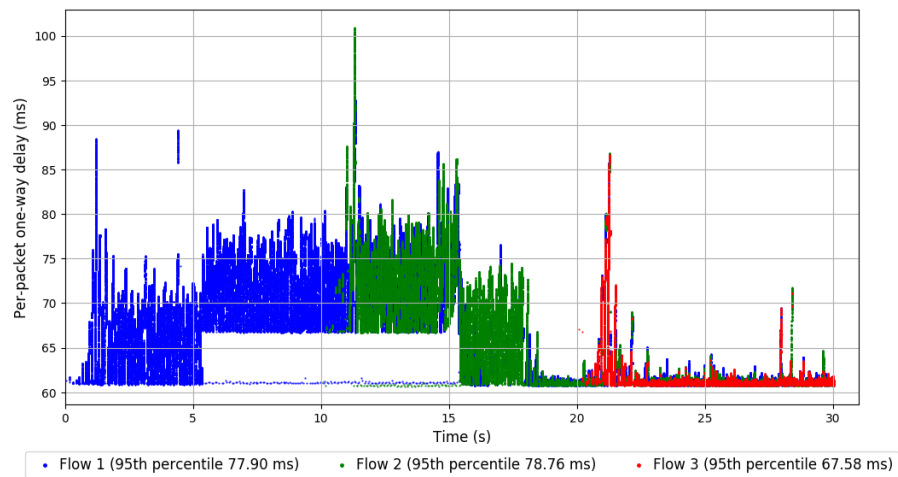
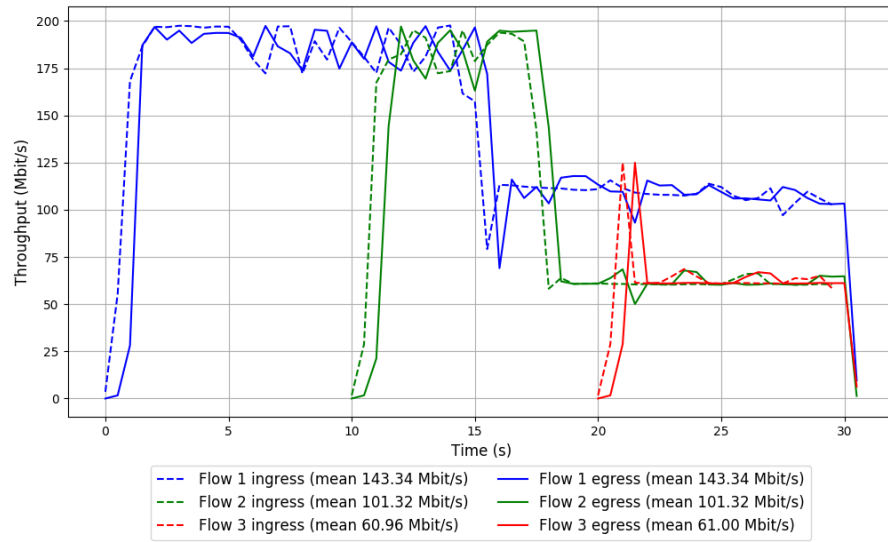


Run 7: Statistics of TCP Vegas

Start at: 2018-07-19 07:04:19
End at: 2018-07-19 07:04:49
Local clock offset: -0.034 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-19 10:39:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 230.96 Mbit/s
95th percentile per-packet one-way delay: 78.023 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 143.34 Mbit/s
95th percentile per-packet one-way delay: 77.897 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 101.32 Mbit/s
95th percentile per-packet one-way delay: 78.756 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 61.00 Mbit/s
95th percentile per-packet one-way delay: 67.576 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-19 07:28:11

End at: 2018-07-19 07:28:41

Local clock offset: -0.057 ms

Remote clock offset: 0.202 ms

Below is generated by plot.py at 2018-07-19 10:39:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 235.88 Mbit/s

95th percentile per-packet one-way delay: 78.365 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 183.60 Mbit/s

95th percentile per-packet one-way delay: 78.823 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 5.86 Mbit/s

95th percentile per-packet one-way delay: 77.310 ms

Loss rate: 0.09%

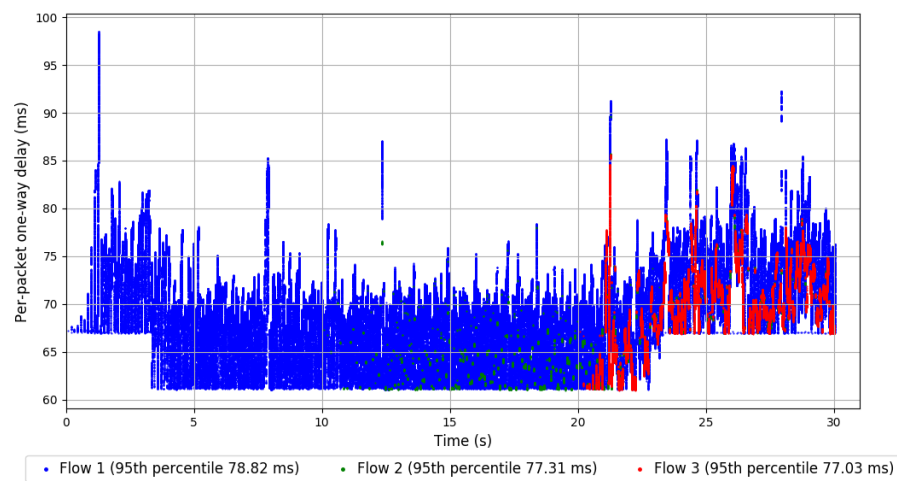
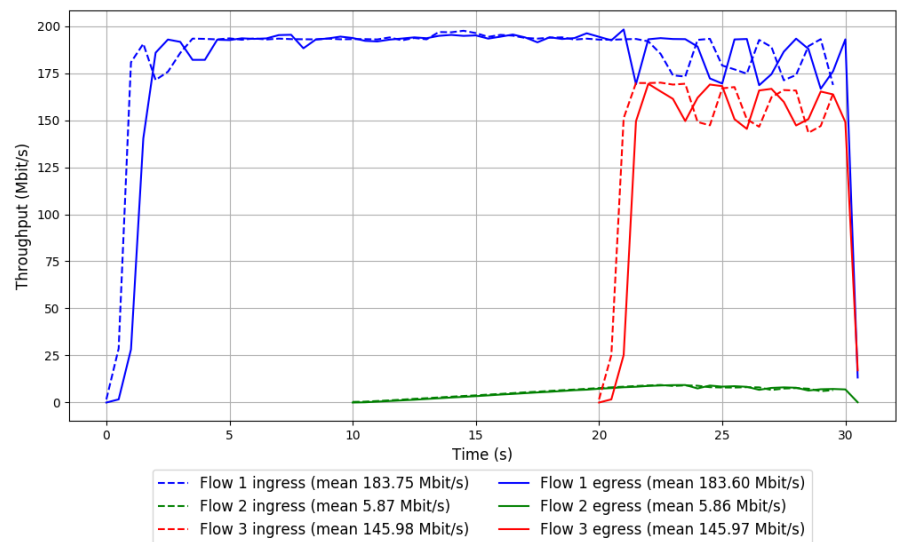
-- Flow 3:

Average throughput: 145.97 Mbit/s

95th percentile per-packet one-way delay: 77.027 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-19 07:52:09

End at: 2018-07-19 07:52:39

Local clock offset: -0.076 ms

Remote clock offset: 0.145 ms

Below is generated by plot.py at 2018-07-19 10:41:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 238.71 Mbit/s

95th percentile per-packet one-way delay: 97.769 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 120.89 Mbit/s

95th percentile per-packet one-way delay: 94.853 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 104.01 Mbit/s

95th percentile per-packet one-way delay: 96.467 ms

Loss rate: 0.11%

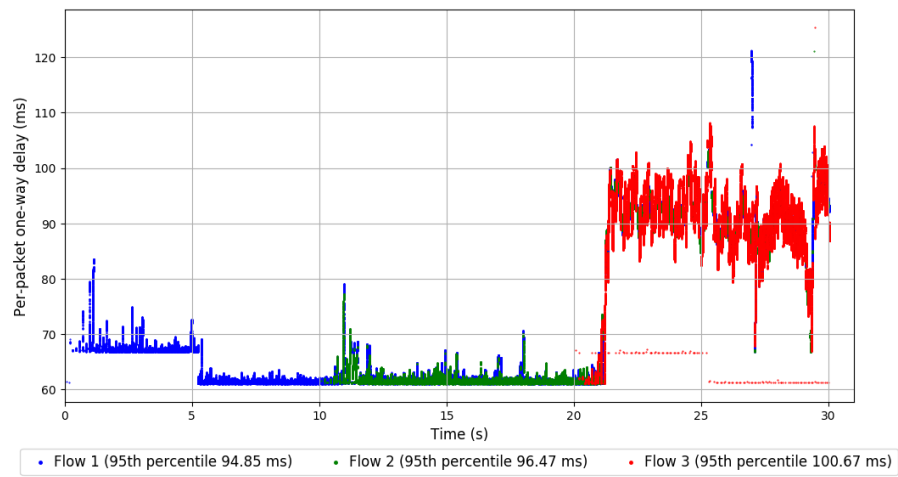
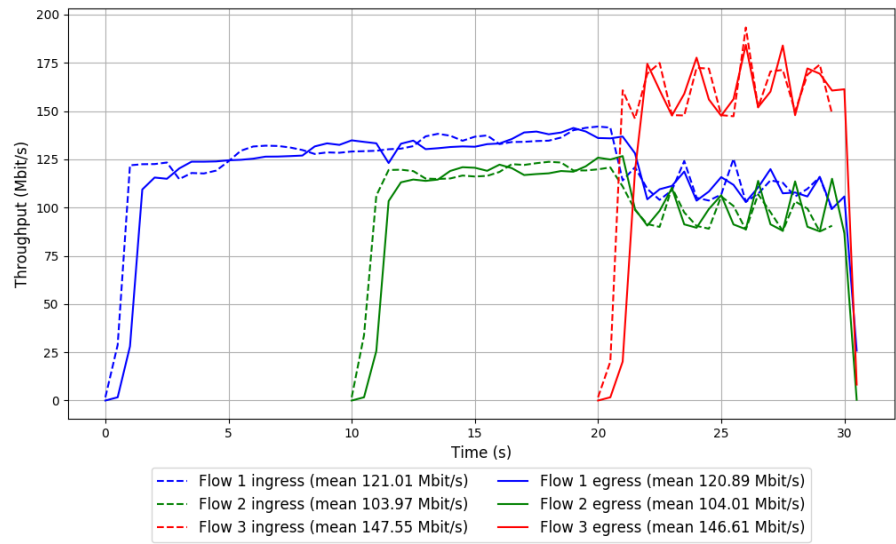
-- Flow 3:

Average throughput: 146.61 Mbit/s

95th percentile per-packet one-way delay: 100.670 ms

Loss rate: 0.57%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-19 08:15:57

End at: 2018-07-19 08:16:27

Local clock offset: -0.093 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-07-19 10:41:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 157.58 Mbit/s

95th percentile per-packet one-way delay: 72.255 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 96.46 Mbit/s

95th percentile per-packet one-way delay: 71.530 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 51.85 Mbit/s

95th percentile per-packet one-way delay: 74.407 ms

Loss rate: 0.03%

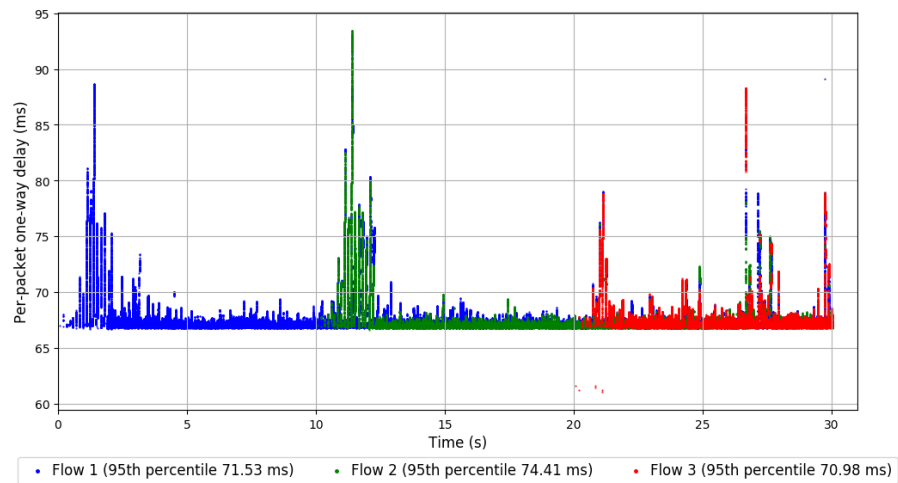
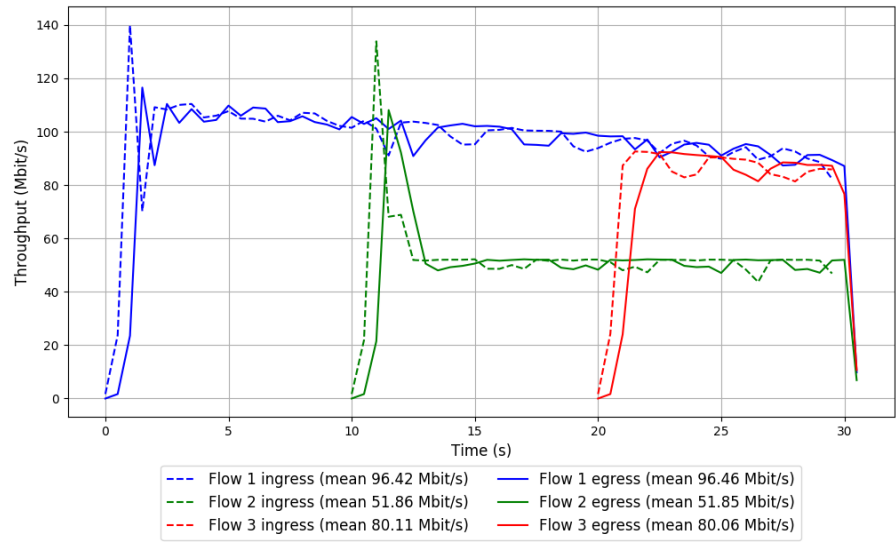
-- Flow 3:

Average throughput: 80.06 Mbit/s

95th percentile per-packet one-way delay: 70.978 ms

Loss rate: 0.01%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-19 04:33:00

End at: 2018-07-19 04:33:30

Local clock offset: -0.05 ms

Remote clock offset: 0.196 ms

Below is generated by plot.py at 2018-07-19 10:42:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 278.07 Mbit/s

95th percentile per-packet one-way delay: 219.360 ms

Loss rate: 1.87%

-- Flow 1:

Average throughput: 166.66 Mbit/s

95th percentile per-packet one-way delay: 183.848 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 156.57 Mbit/s

95th percentile per-packet one-way delay: 229.732 ms

Loss rate: 3.40%

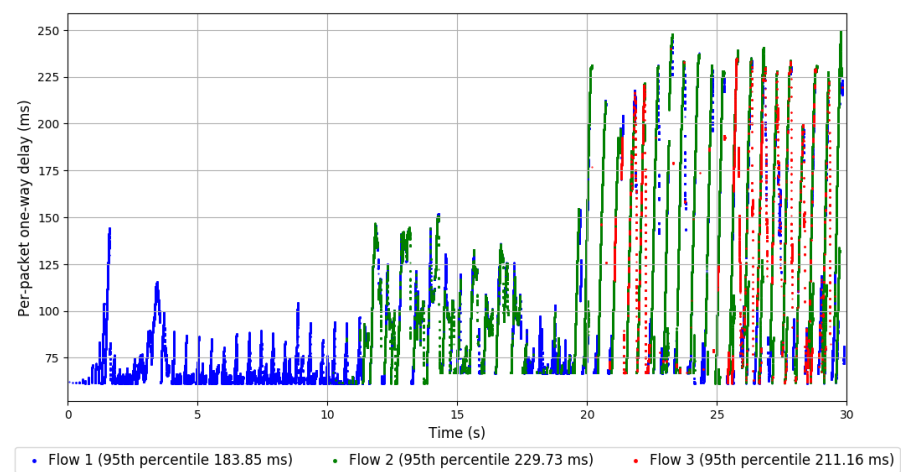
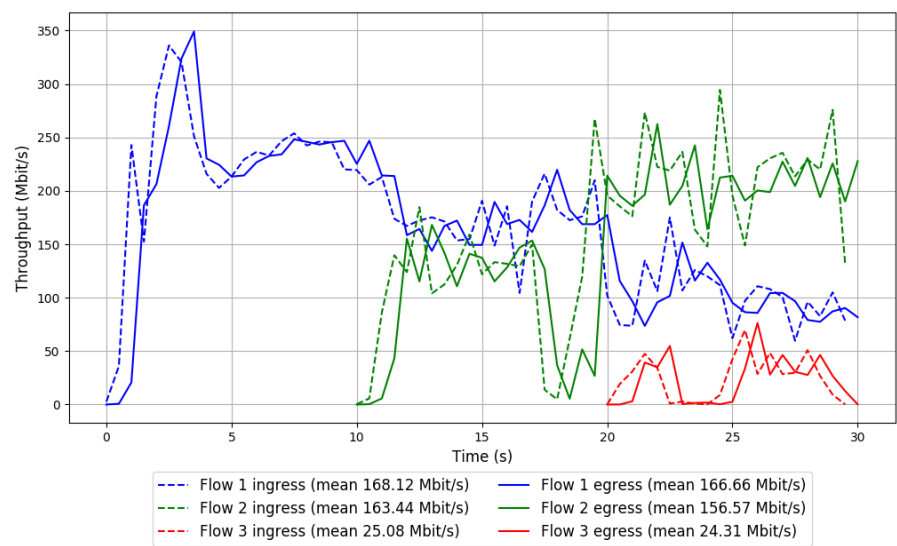
-- Flow 3:

Average throughput: 24.31 Mbit/s

95th percentile per-packet one-way delay: 211.165 ms

Loss rate: 2.65%

Run 1: Report of Verus — Data Link

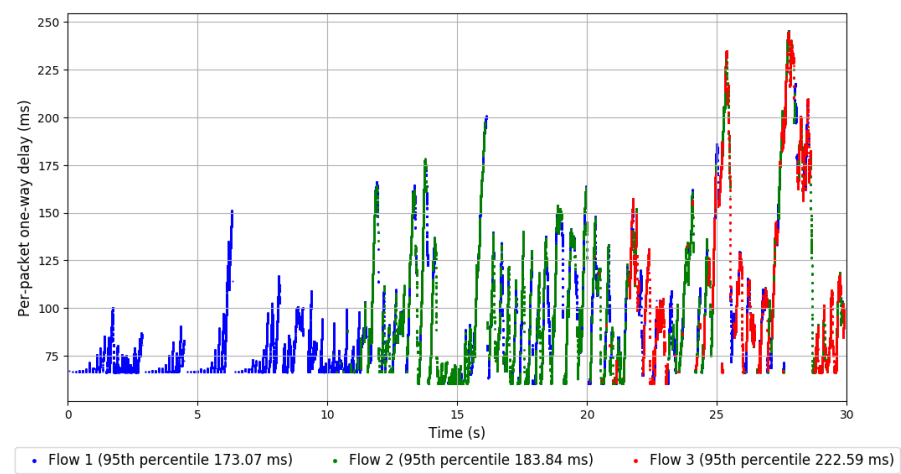
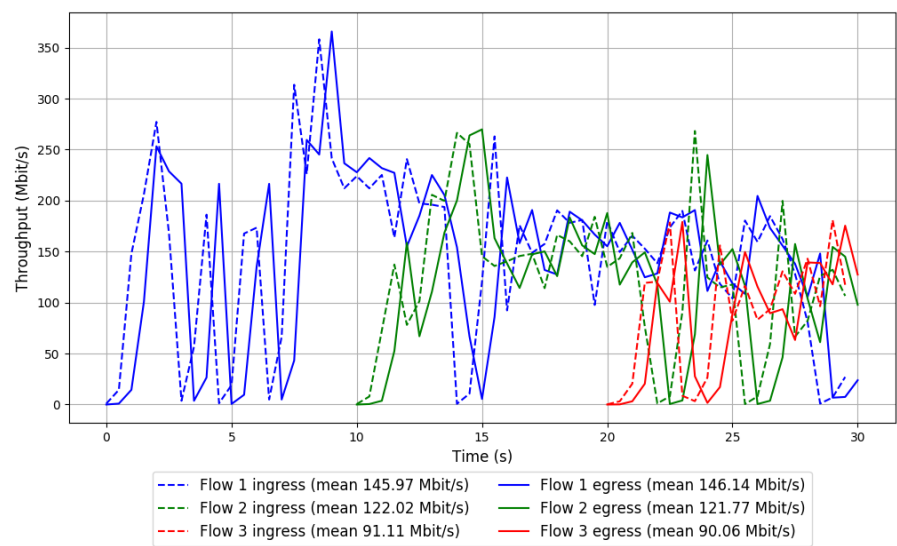


Run 2: Statistics of Verus

Start at: 2018-07-19 04:56:41
End at: 2018-07-19 04:57:11
Local clock offset: -0.002 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-19 10:43:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 256.39 Mbit/s
95th percentile per-packet one-way delay: 185.971 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 146.14 Mbit/s
95th percentile per-packet one-way delay: 173.067 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 121.77 Mbit/s
95th percentile per-packet one-way delay: 183.836 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 90.06 Mbit/s
95th percentile per-packet one-way delay: 222.585 ms
Loss rate: 1.11%

Run 2: Report of Verus — Data Link

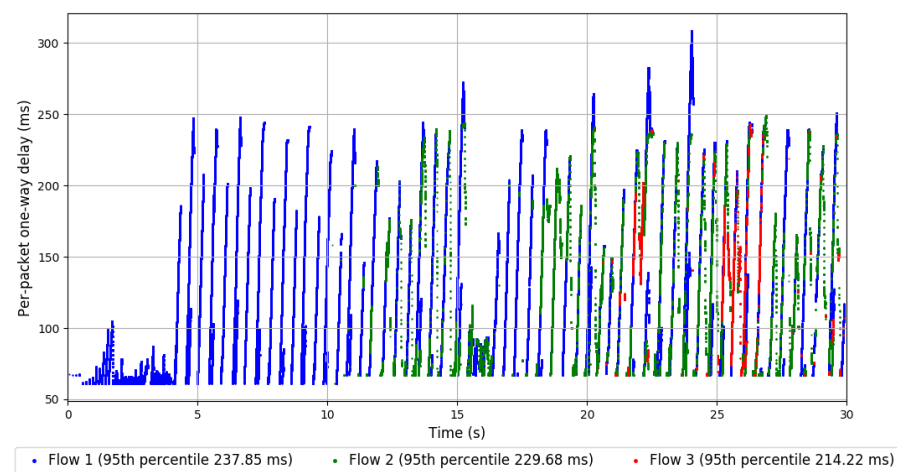
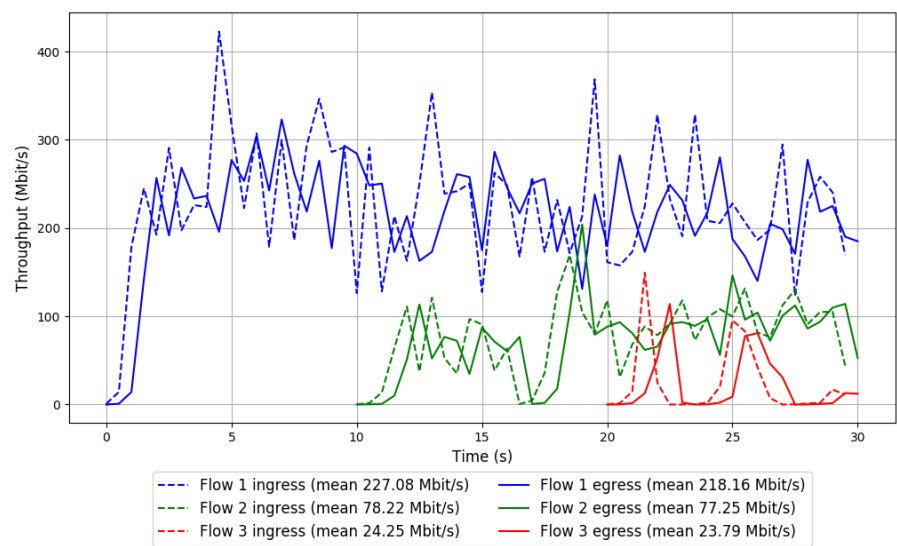


Run 3: Statistics of Verus

Start at: 2018-07-19 05:20:34
End at: 2018-07-19 05:21:04
Local clock offset: -0.039 ms
Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-19 10:44:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 276.45 Mbit/s
95th percentile per-packet one-way delay: 236.872 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 218.16 Mbit/s
95th percentile per-packet one-way delay: 237.850 ms
Loss rate: 3.92%
-- Flow 2:
Average throughput: 77.25 Mbit/s
95th percentile per-packet one-way delay: 229.676 ms
Loss rate: 2.60%
-- Flow 3:
Average throughput: 23.79 Mbit/s
95th percentile per-packet one-way delay: 214.223 ms
Loss rate: 3.24%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-19 05:44:28

End at: 2018-07-19 05:44:58

Local clock offset: -0.034 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-07-19 10:44:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 291.96 Mbit/s

95th percentile per-packet one-way delay: 228.488 ms

Loss rate: 1.34%

-- Flow 1:

Average throughput: 206.52 Mbit/s

95th percentile per-packet one-way delay: 217.865 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 90.67 Mbit/s

95th percentile per-packet one-way delay: 235.792 ms

Loss rate: 2.74%

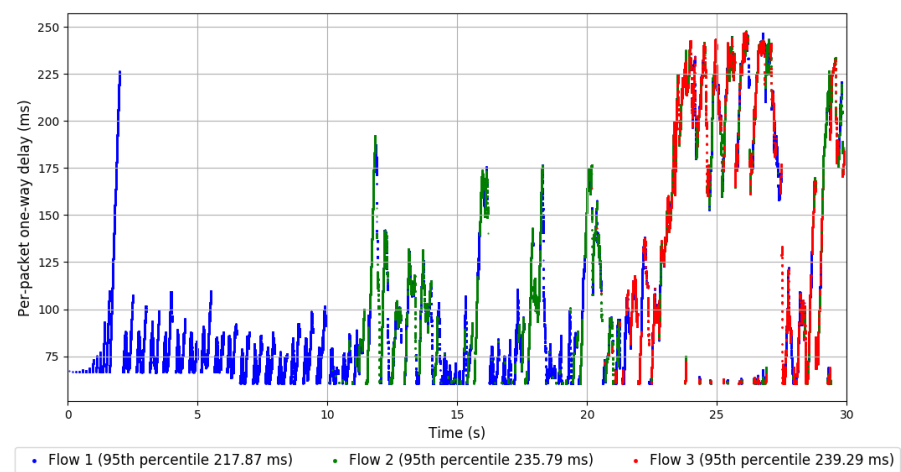
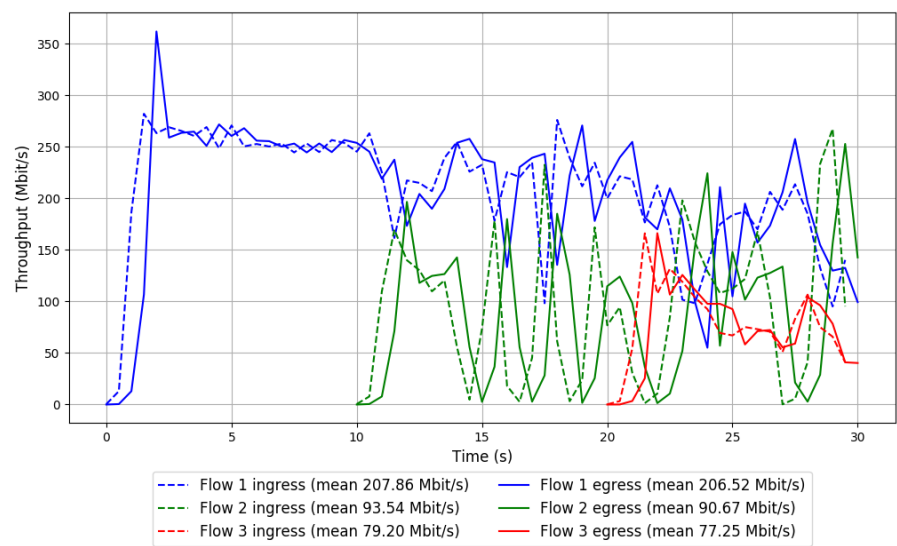
-- Flow 3:

Average throughput: 77.25 Mbit/s

95th percentile per-packet one-way delay: 239.290 ms

Loss rate: 3.43%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-19 06:08:51

End at: 2018-07-19 06:09:21

Local clock offset: 0.023 ms

Remote clock offset: 0.11 ms

Below is generated by plot.py at 2018-07-19 10:44:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 238.53 Mbit/s

95th percentile per-packet one-way delay: 180.228 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 138.14 Mbit/s

95th percentile per-packet one-way delay: 167.765 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 114.68 Mbit/s

95th percentile per-packet one-way delay: 183.295 ms

Loss rate: 0.28%

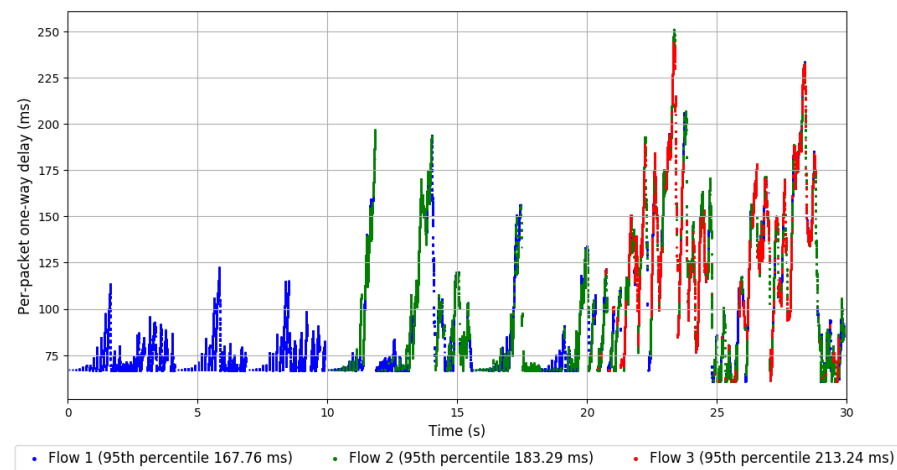
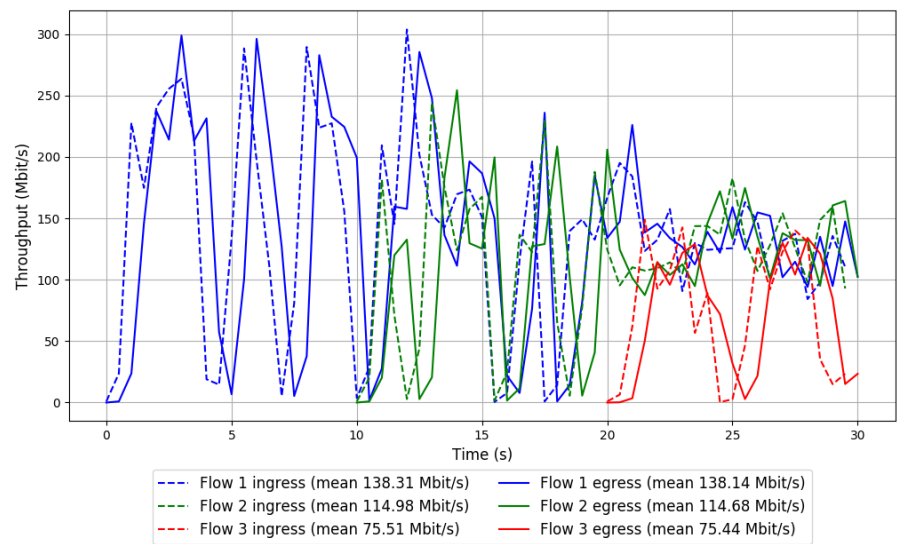
-- Flow 3:

Average throughput: 75.44 Mbit/s

95th percentile per-packet one-way delay: 213.240 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-19 06:32:53

End at: 2018-07-19 06:33:23

Local clock offset: 0.015 ms

Remote clock offset: 0.26 ms

Below is generated by plot.py at 2018-07-19 10:44:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 263.52 Mbit/s

95th percentile per-packet one-way delay: 207.738 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 173.52 Mbit/s

95th percentile per-packet one-way delay: 190.659 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 106.99 Mbit/s

95th percentile per-packet one-way delay: 220.115 ms

Loss rate: 0.84%

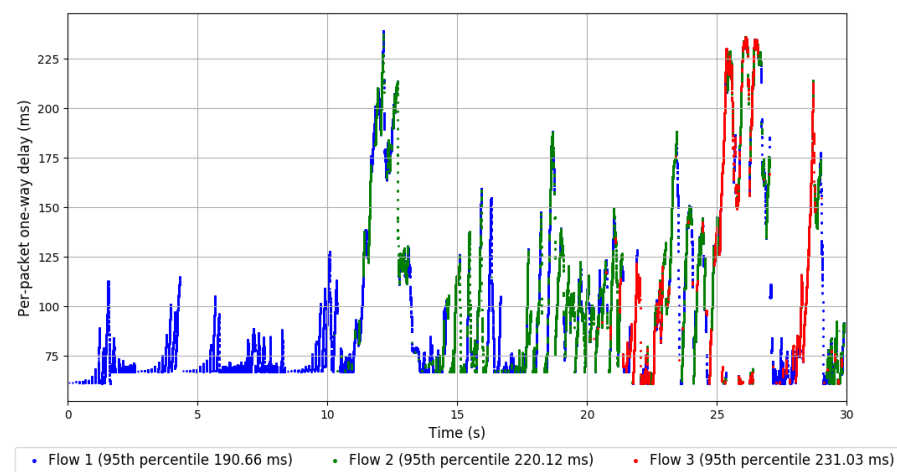
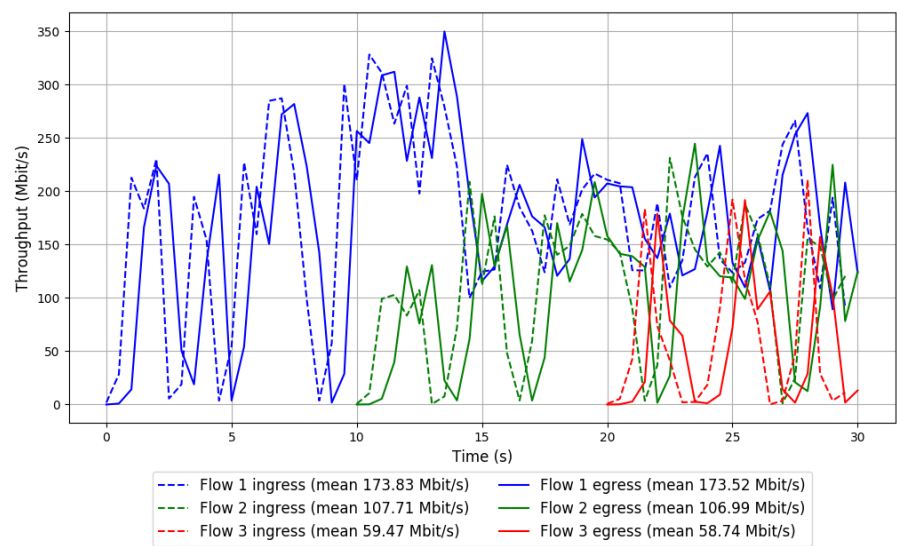
-- Flow 3:

Average throughput: 58.74 Mbit/s

95th percentile per-packet one-way delay: 231.034 ms

Loss rate: 1.32%

Run 6: Report of Verus — Data Link

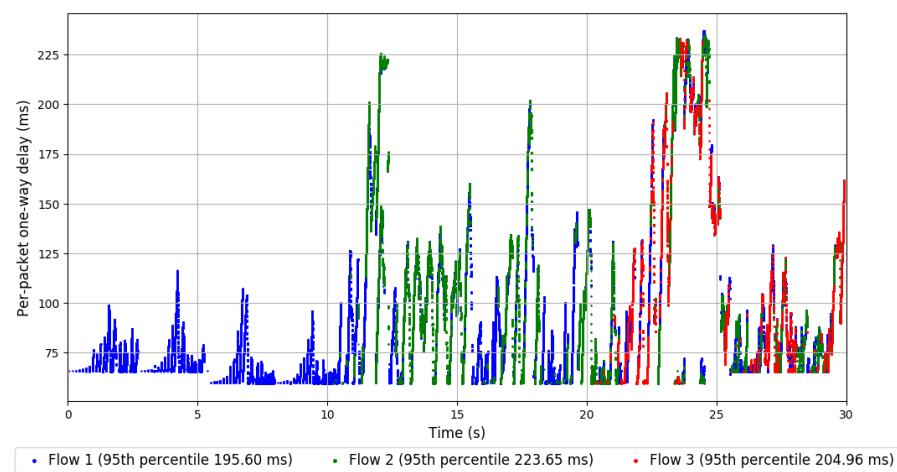
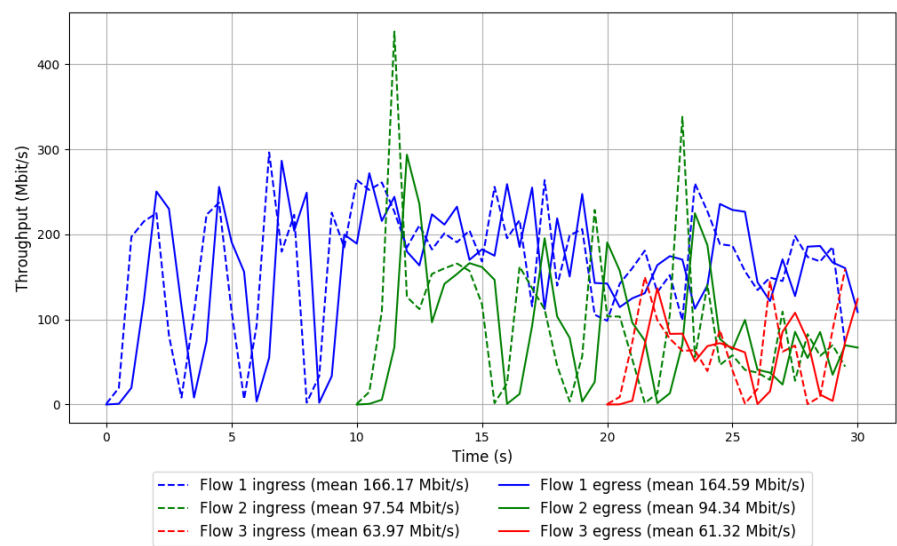


Run 7: Statistics of Verus

Start at: 2018-07-19 06:56:49
End at: 2018-07-19 06:57:19
Local clock offset: -0.074 ms
Remote clock offset: -1.233 ms

Below is generated by plot.py at 2018-07-19 10:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 247.28 Mbit/s
95th percentile per-packet one-way delay: 210.606 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 164.59 Mbit/s
95th percentile per-packet one-way delay: 195.596 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 223.647 ms
Loss rate: 2.81%
-- Flow 3:
Average throughput: 61.32 Mbit/s
95th percentile per-packet one-way delay: 204.962 ms
Loss rate: 4.73%

Run 7: Report of Verus — Data Link

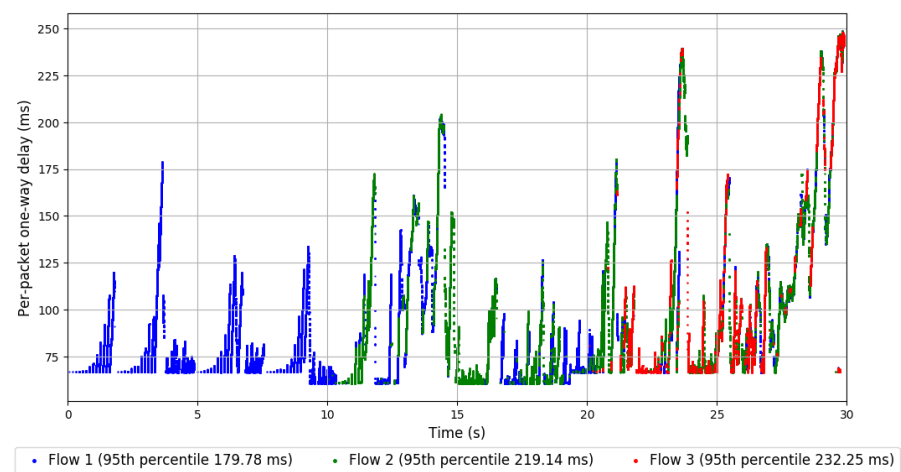
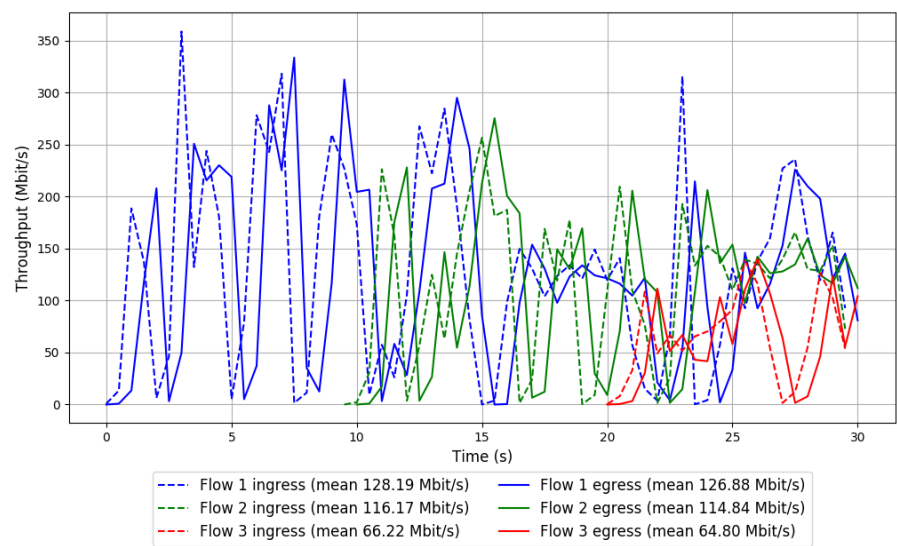


Run 8: Statistics of Verus

Start at: 2018-07-19 07:20:25
End at: 2018-07-19 07:20:55
Local clock offset: -0.057 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-19 10:45:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 224.50 Mbit/s
95th percentile per-packet one-way delay: 202.026 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 126.88 Mbit/s
95th percentile per-packet one-way delay: 179.777 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 114.84 Mbit/s
95th percentile per-packet one-way delay: 219.137 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 64.80 Mbit/s
95th percentile per-packet one-way delay: 232.255 ms
Loss rate: 1.12%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-19 07:44:22

End at: 2018-07-19 07:44:52

Local clock offset: -0.039 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-19 10:47:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 253.51 Mbit/s

95th percentile per-packet one-way delay: 190.238 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 154.94 Mbit/s

95th percentile per-packet one-way delay: 188.319 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 118.43 Mbit/s

95th percentile per-packet one-way delay: 192.215 ms

Loss rate: 0.54%

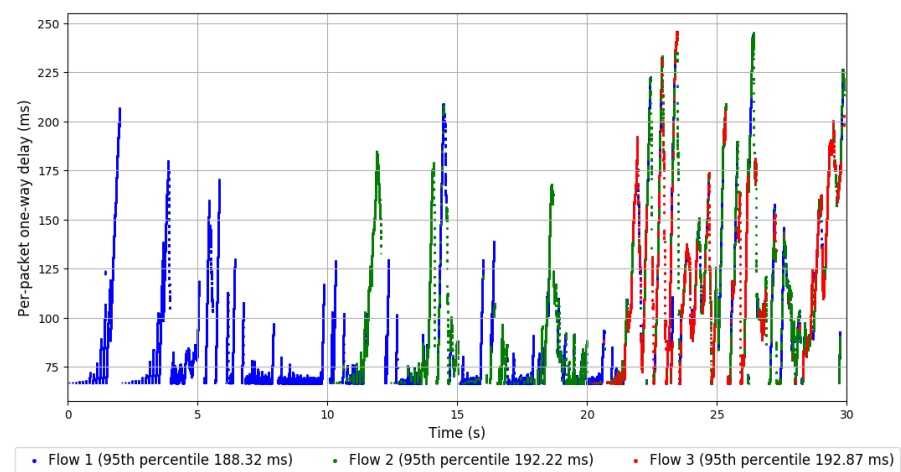
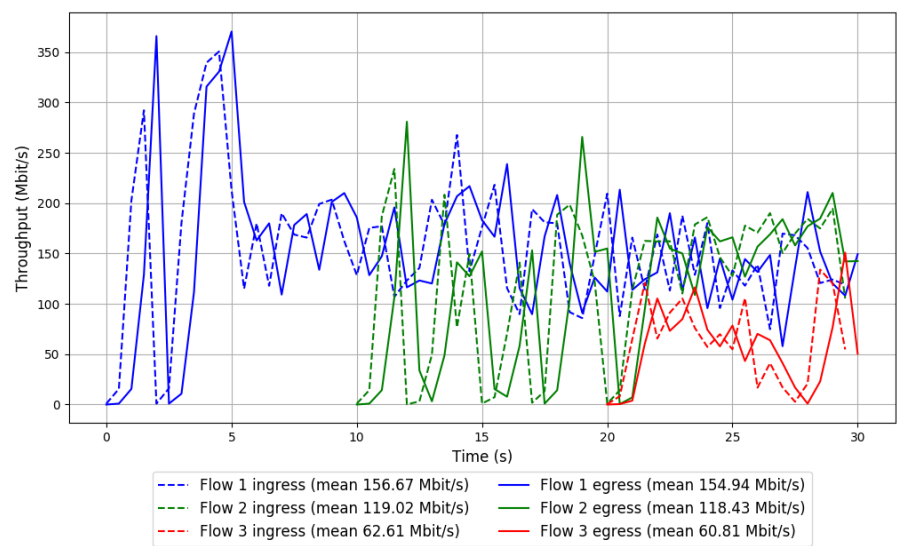
-- Flow 3:

Average throughput: 60.81 Mbit/s

95th percentile per-packet one-way delay: 192.871 ms

Loss rate: 2.89%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

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

End at: 2018-07-19 08:08:38

Local clock offset: -0.088 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2018-07-19 10:48:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 282.19 Mbit/s

95th percentile per-packet one-way delay: 207.510 ms

Loss rate: 0.94%

-- Flow 1:

Average throughput: 183.97 Mbit/s

95th percentile per-packet one-way delay: 193.907 ms

Loss rate: 0.90%

-- Flow 2:

Average throughput: 112.26 Mbit/s

95th percentile per-packet one-way delay: 214.554 ms

Loss rate: 0.43%

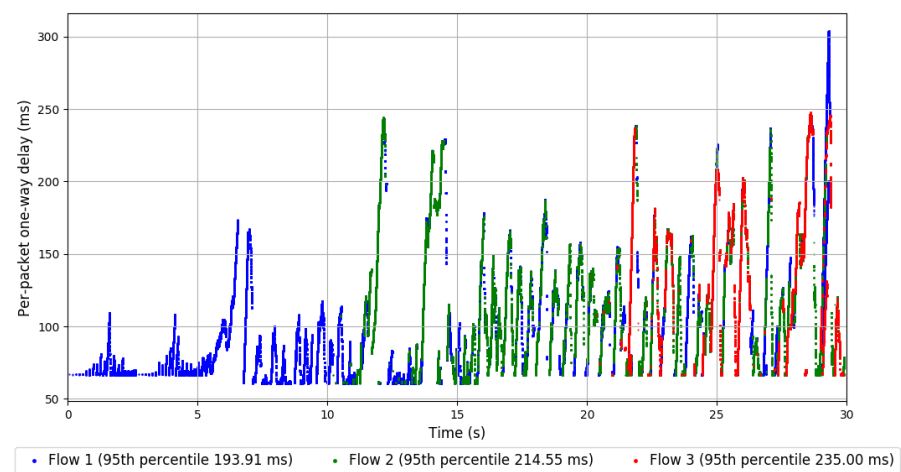
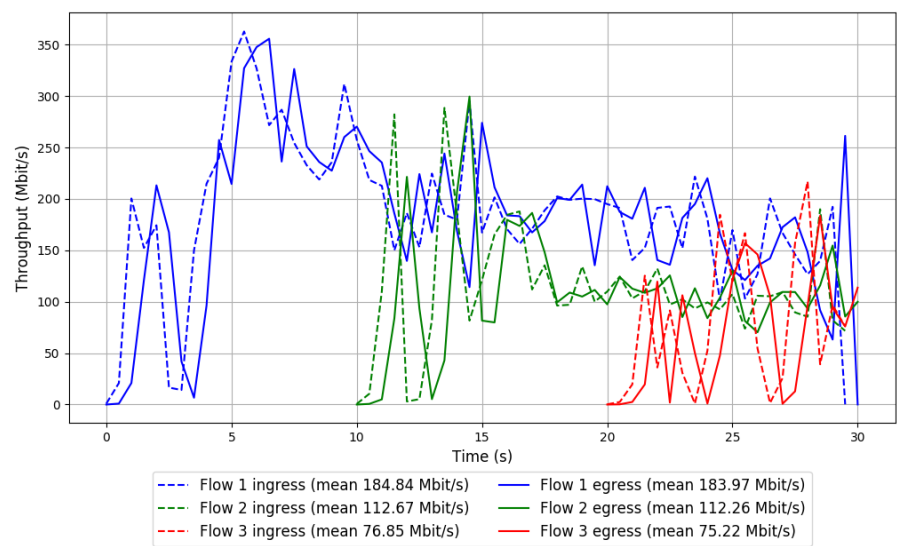
-- Flow 3:

Average throughput: 75.22 Mbit/s

95th percentile per-packet one-way delay: 235.002 ms

Loss rate: 2.80%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-19 04:28:49

End at: 2018-07-19 04:29:19

Local clock offset: -0.057 ms

Remote clock offset: 1.278 ms

Below is generated by plot.py at 2018-07-19 10:48:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 258.99 Mbit/s

95th percentile per-packet one-way delay: 67.894 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 91.29 Mbit/s

95th percentile per-packet one-way delay: 67.958 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 207.94 Mbit/s

95th percentile per-packet one-way delay: 62.553 ms

Loss rate: 0.00%

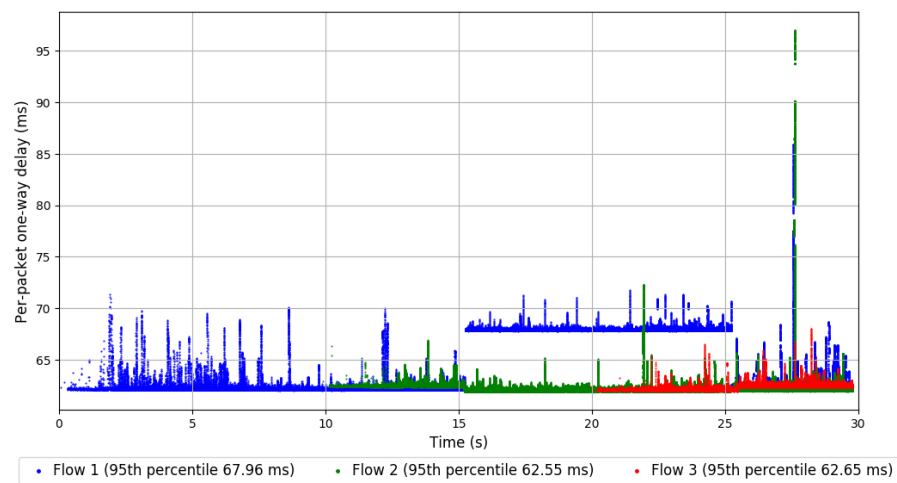
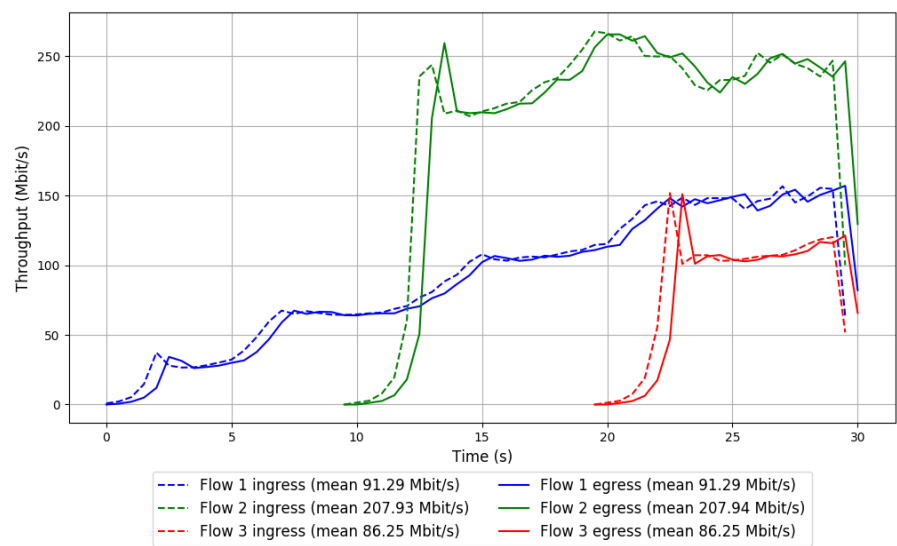
-- Flow 3:

Average throughput: 86.25 Mbit/s

95th percentile per-packet one-way delay: 62.652 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

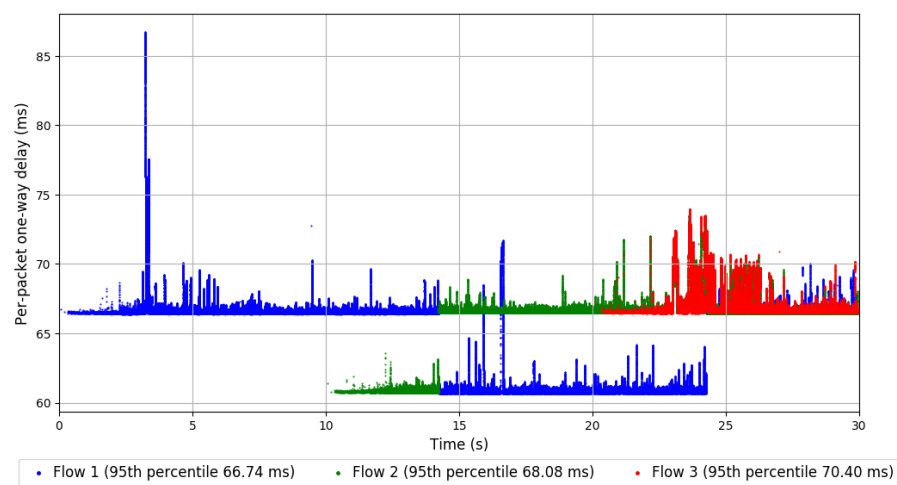
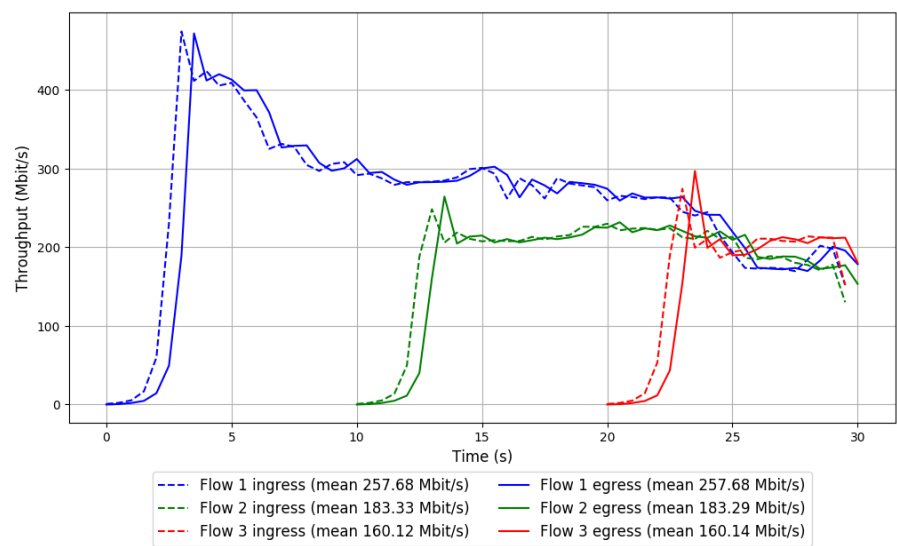


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-19 04:52:20
End at: 2018-07-19 04:52:50
Local clock offset: -0.023 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-07-19 10:52:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 432.32 Mbit/s
95th percentile per-packet one-way delay: 67.395 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 257.68 Mbit/s
95th percentile per-packet one-way delay: 66.744 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 183.29 Mbit/s
95th percentile per-packet one-way delay: 68.085 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 160.14 Mbit/s
95th percentile per-packet one-way delay: 70.398 ms
Loss rate: 0.03%

Run 2: Report of PCC-Vivace — Data Link

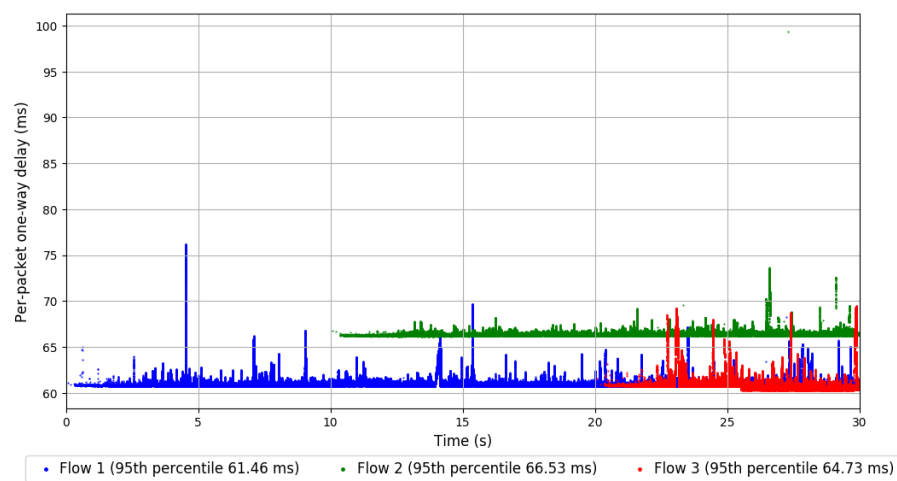
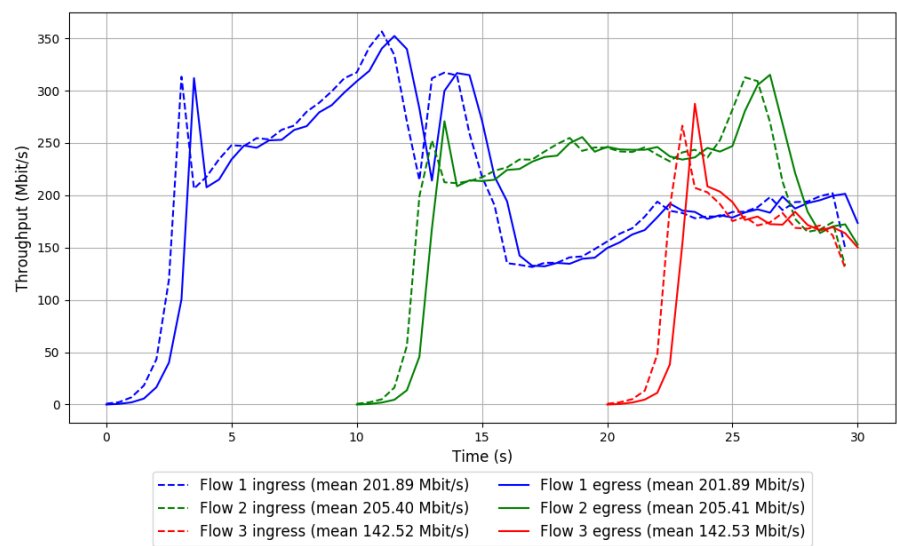


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-19 05:16:19
End at: 2018-07-19 05:16:49
Local clock offset: 0.006 ms
Remote clock offset: -0.338 ms

Below is generated by plot.py at 2018-07-19 10:52:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 385.38 Mbit/s
95th percentile per-packet one-way delay: 66.408 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 201.89 Mbit/s
95th percentile per-packet one-way delay: 61.456 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 205.41 Mbit/s
95th percentile per-packet one-way delay: 66.530 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 142.53 Mbit/s
95th percentile per-packet one-way delay: 64.727 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

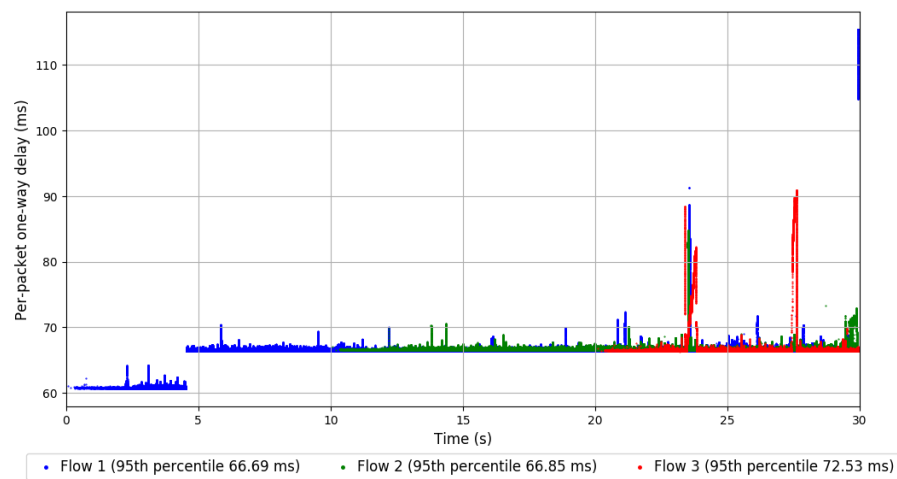
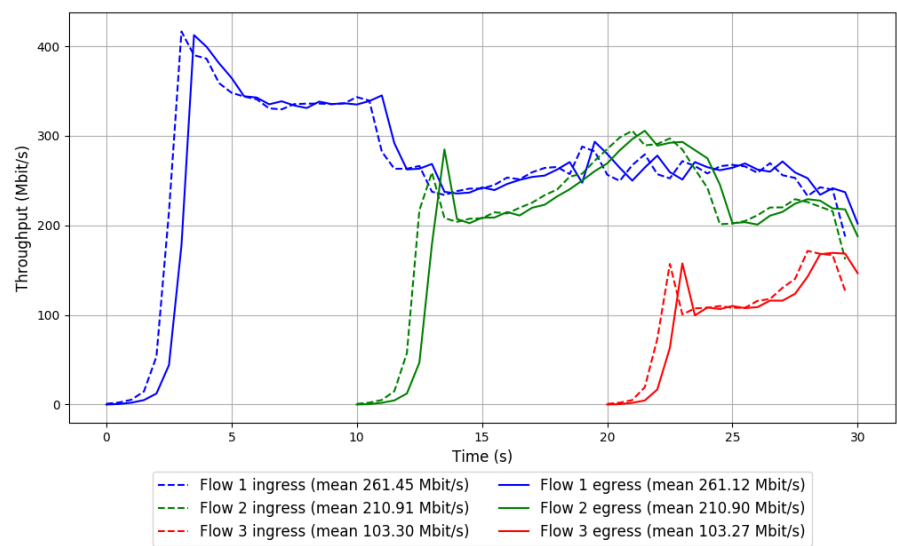


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-19 05:40:00
End at: 2018-07-19 05:40:30
Local clock offset: 0.028 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-19 10:53:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 435.37 Mbit/s
95th percentile per-packet one-way delay: 66.773 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 261.12 Mbit/s
95th percentile per-packet one-way delay: 66.686 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 210.90 Mbit/s
95th percentile per-packet one-way delay: 66.854 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 103.27 Mbit/s
95th percentile per-packet one-way delay: 72.528 ms
Loss rate: 0.07%

Run 4: Report of PCC-Vivace — Data Link

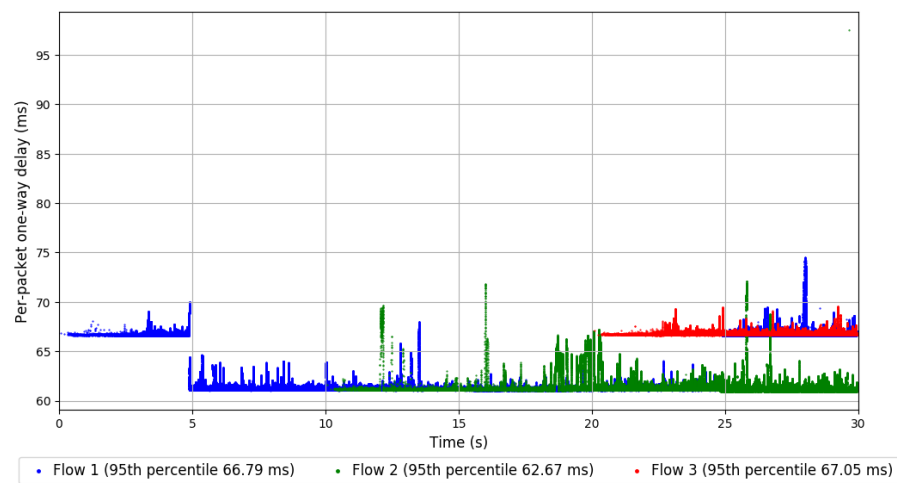
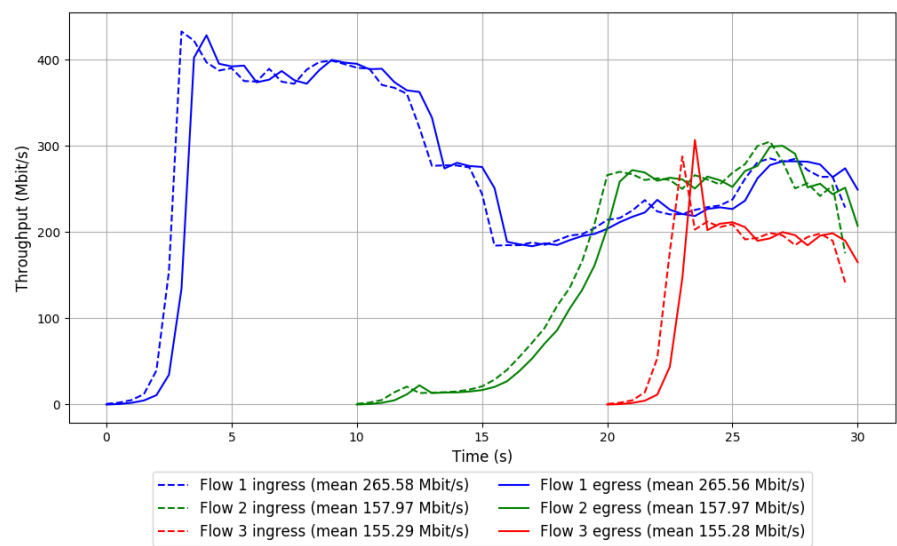


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-19 06:04:29
End at: 2018-07-19 06:04:59
Local clock offset: 0.039 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-19 10:53:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 421.79 Mbit/s
95th percentile per-packet one-way delay: 66.817 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 265.56 Mbit/s
95th percentile per-packet one-way delay: 66.791 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 157.97 Mbit/s
95th percentile per-packet one-way delay: 62.667 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 155.28 Mbit/s
95th percentile per-packet one-way delay: 67.045 ms
Loss rate: 0.06%

Run 5: Report of PCC-Vivace — Data Link

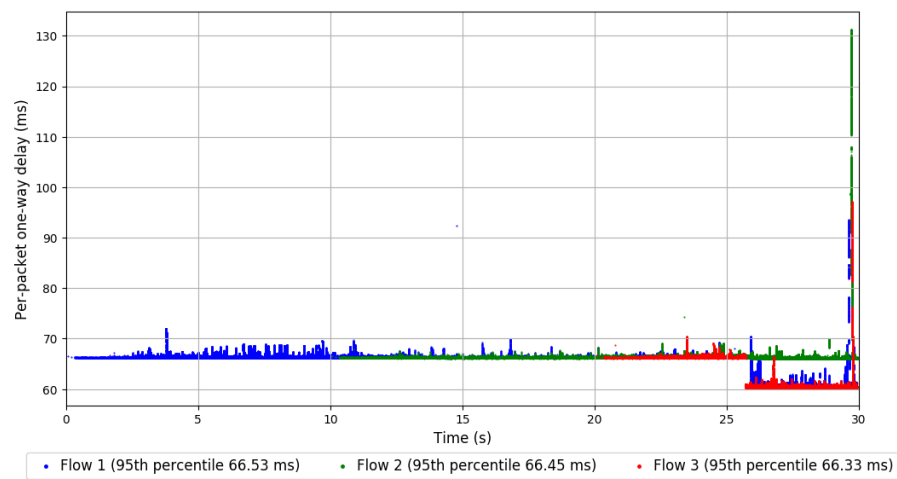
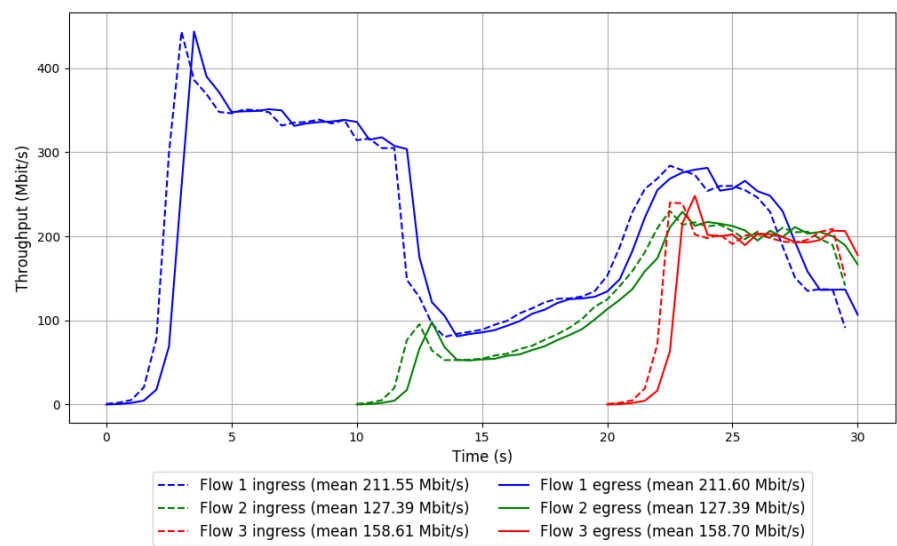


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-19 06:28:38
End at: 2018-07-19 06:29:08
Local clock offset: 0.026 ms
Remote clock offset: -0.481 ms

Below is generated by plot.py at 2018-07-19 10:53:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 348.47 Mbit/s
95th percentile per-packet one-way delay: 66.483 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 211.60 Mbit/s
95th percentile per-packet one-way delay: 66.529 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 127.39 Mbit/s
95th percentile per-packet one-way delay: 66.446 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 158.70 Mbit/s
95th percentile per-packet one-way delay: 66.332 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-19 06:52:31

End at: 2018-07-19 06:53:01

Local clock offset: -0.052 ms

Remote clock offset: 0.127 ms

Below is generated by plot.py at 2018-07-19 10:54:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 452.42 Mbit/s

95th percentile per-packet one-way delay: 67.130 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 256.77 Mbit/s

95th percentile per-packet one-way delay: 62.973 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 217.34 Mbit/s

95th percentile per-packet one-way delay: 67.600 ms

Loss rate: 0.04%

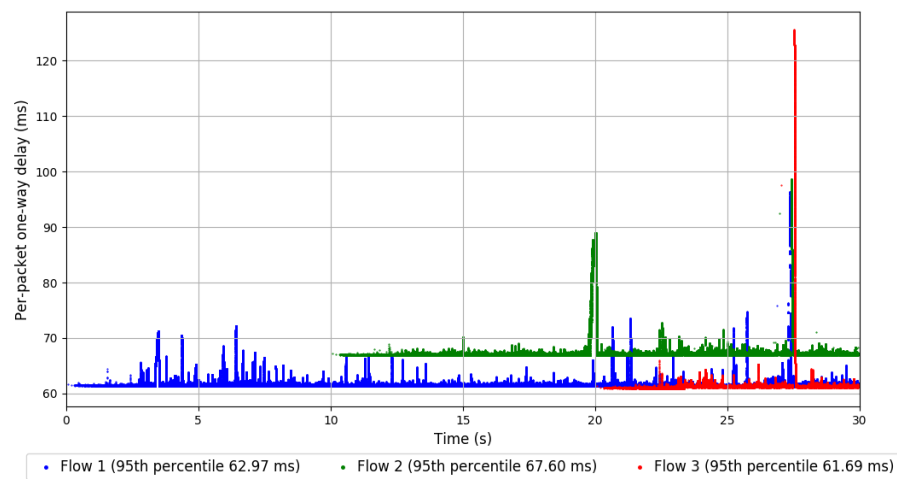
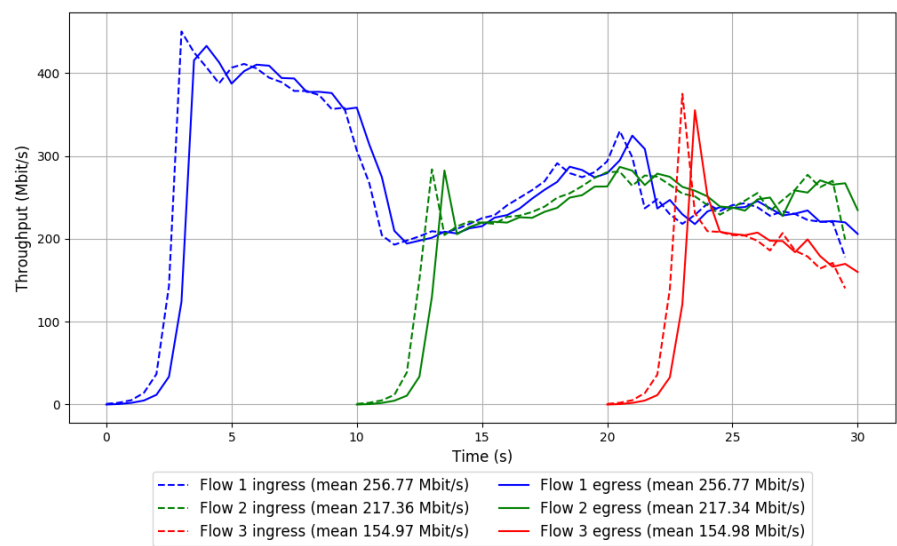
-- Flow 3:

Average throughput: 154.98 Mbit/s

95th percentile per-packet one-way delay: 61.691 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

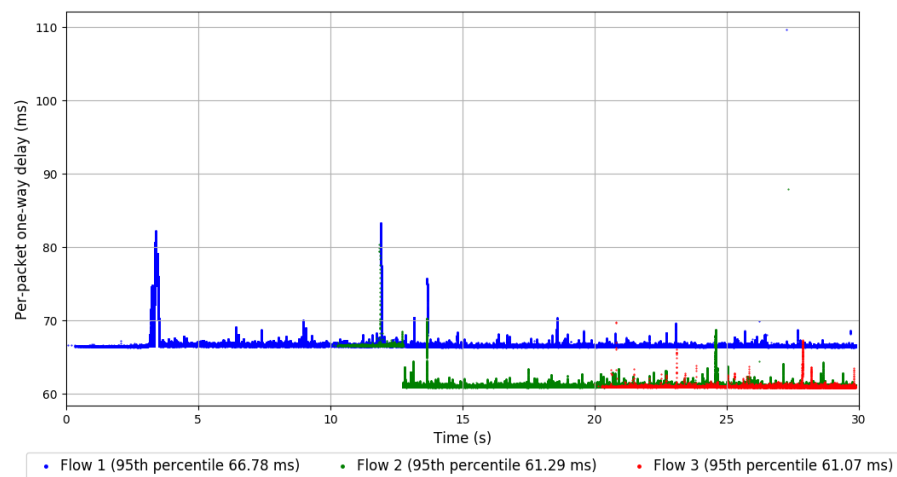
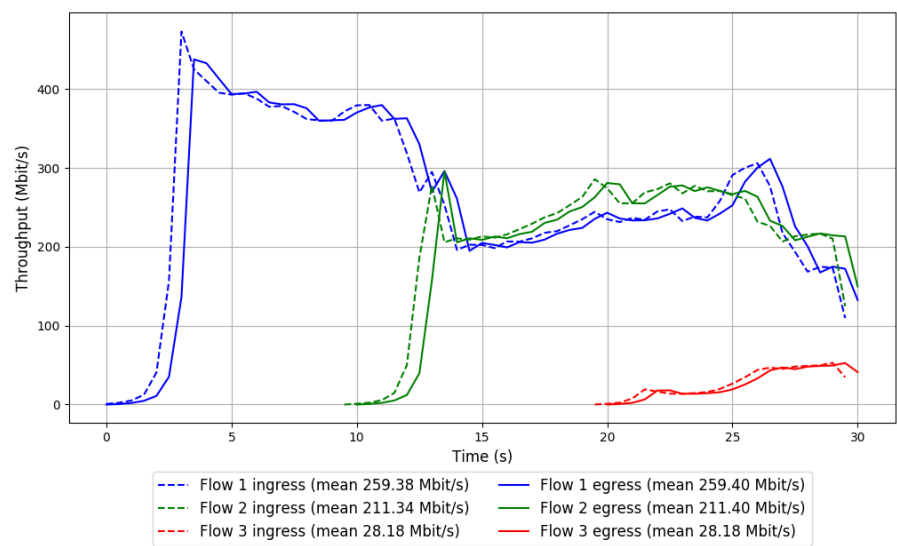


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-19 07:16:11
End at: 2018-07-19 07:16:41
Local clock offset: -0.046 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-19 10:55:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 409.65 Mbit/s
95th percentile per-packet one-way delay: 66.652 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 259.40 Mbit/s
95th percentile per-packet one-way delay: 66.778 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 211.40 Mbit/s
95th percentile per-packet one-way delay: 61.293 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.18 Mbit/s
95th percentile per-packet one-way delay: 61.069 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

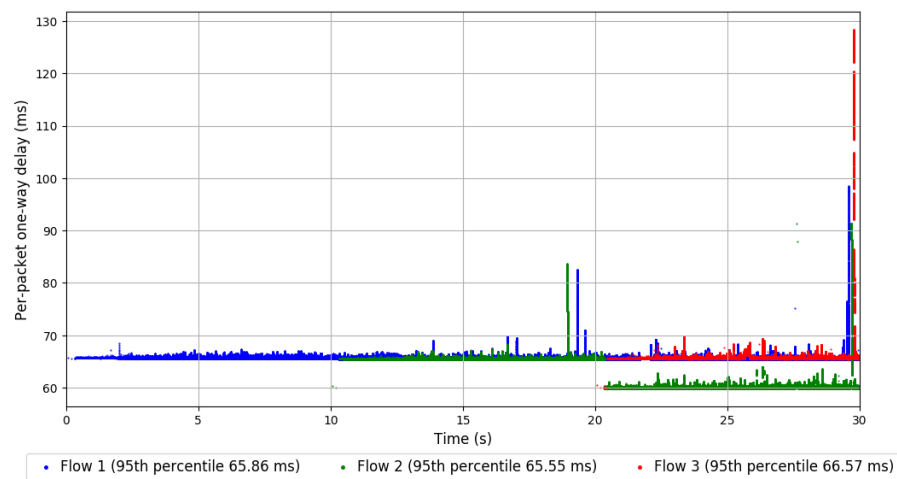
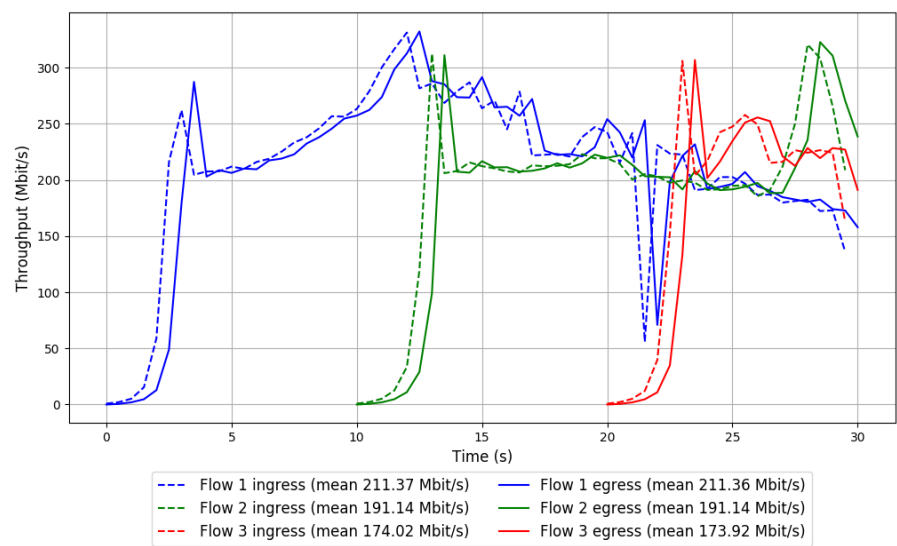


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-19 07:40:04
End at: 2018-07-19 07:40:34
Local clock offset: -0.073 ms
Remote clock offset: -1.002 ms

Below is generated by plot.py at 2018-07-19 10:55:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 395.92 Mbit/s
95th percentile per-packet one-way delay: 65.834 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 211.36 Mbit/s
95th percentile per-packet one-way delay: 65.859 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 191.14 Mbit/s
95th percentile per-packet one-way delay: 65.547 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 173.92 Mbit/s
95th percentile per-packet one-way delay: 66.567 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-19 08:03:57

End at: 2018-07-19 08:04:27

Local clock offset: -0.128 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-07-19 10:55:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 306.25 Mbit/s

95th percentile per-packet one-way delay: 66.867 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 160.02 Mbit/s

95th percentile per-packet one-way delay: 66.774 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 171.65 Mbit/s

95th percentile per-packet one-way delay: 66.762 ms

Loss rate: 0.02%

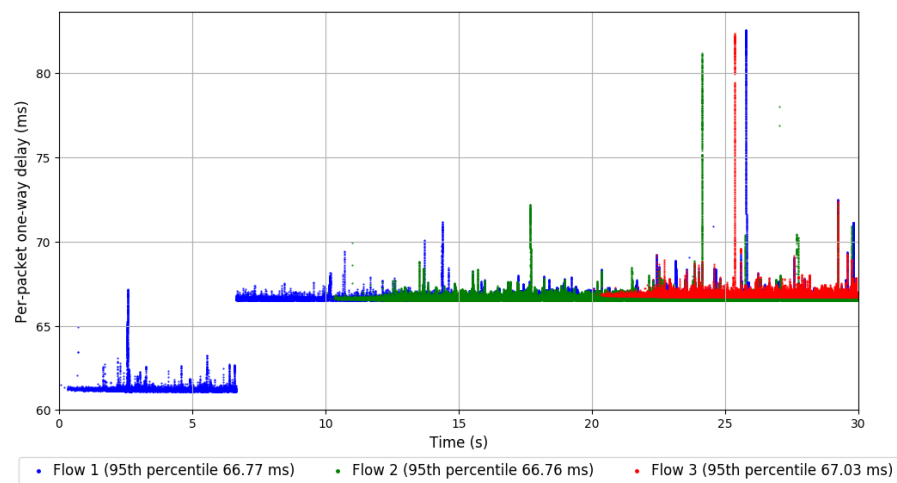
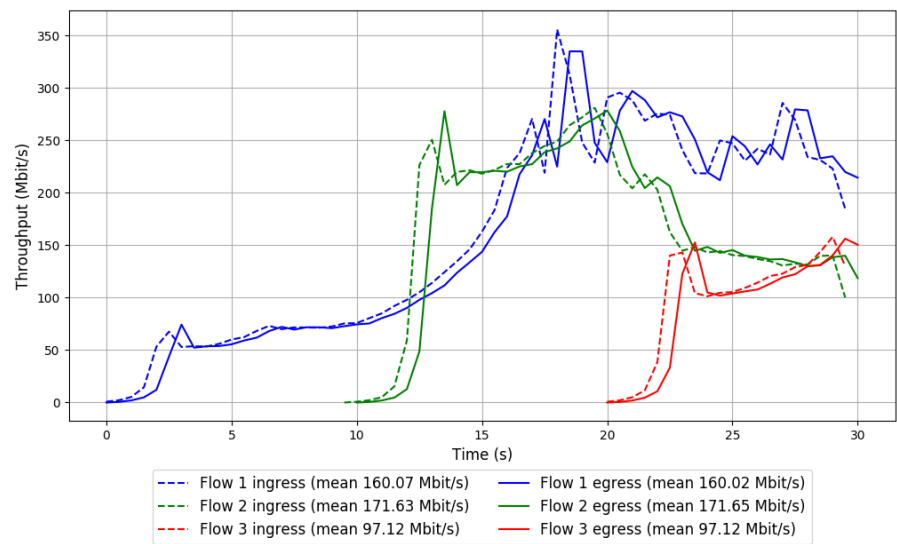
-- Flow 3:

Average throughput: 97.12 Mbit/s

95th percentile per-packet one-way delay: 67.035 ms

Loss rate: 0.09%

Run 10: Report of PCC-Vivace — Data Link

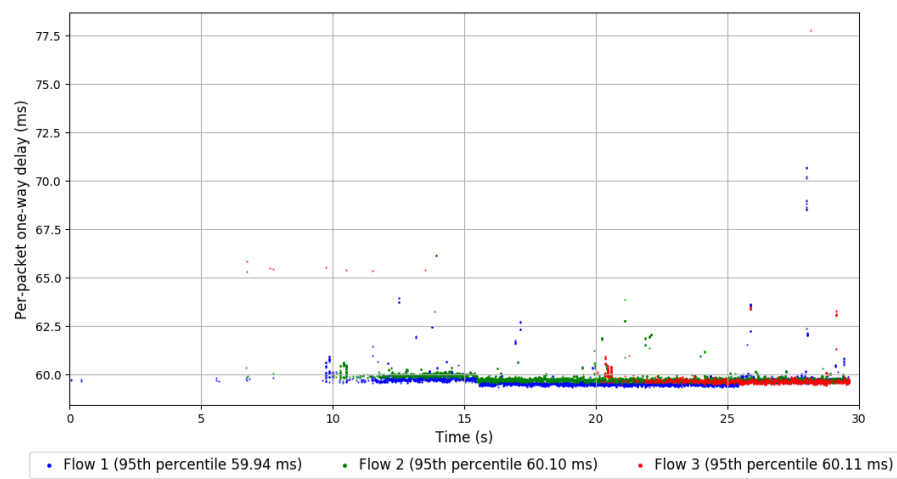
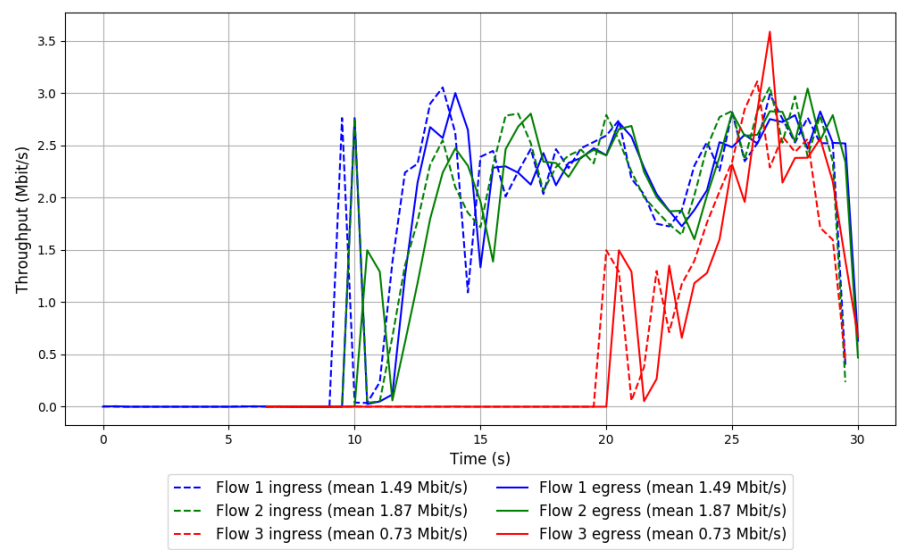


Run 1: Statistics of WebRTC media

Start at: 2018-07-19 04:37:38
End at: 2018-07-19 04:38:08
Local clock offset: -0.088 ms
Remote clock offset: -1.374 ms

Below is generated by plot.py at 2018-07-19 10:55:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.51 Mbit/s
95th percentile per-packet one-way delay: 60.045 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 59.944 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 60.096 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 60.109 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

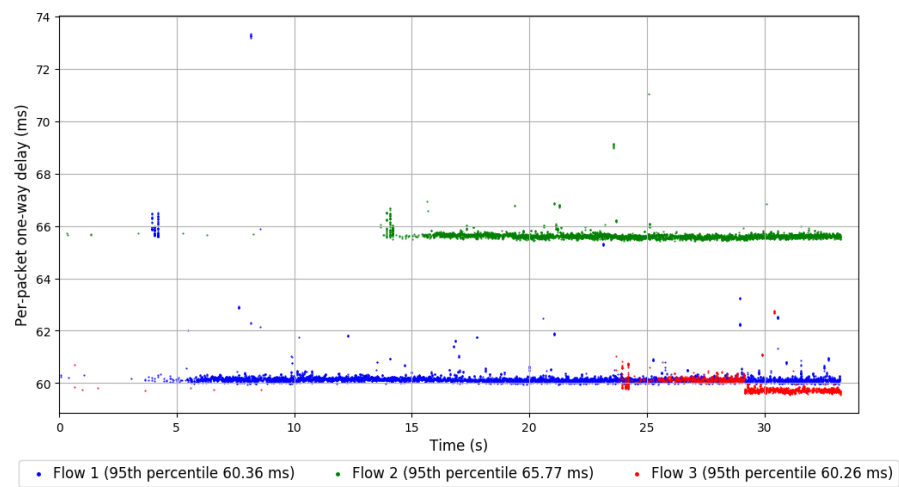
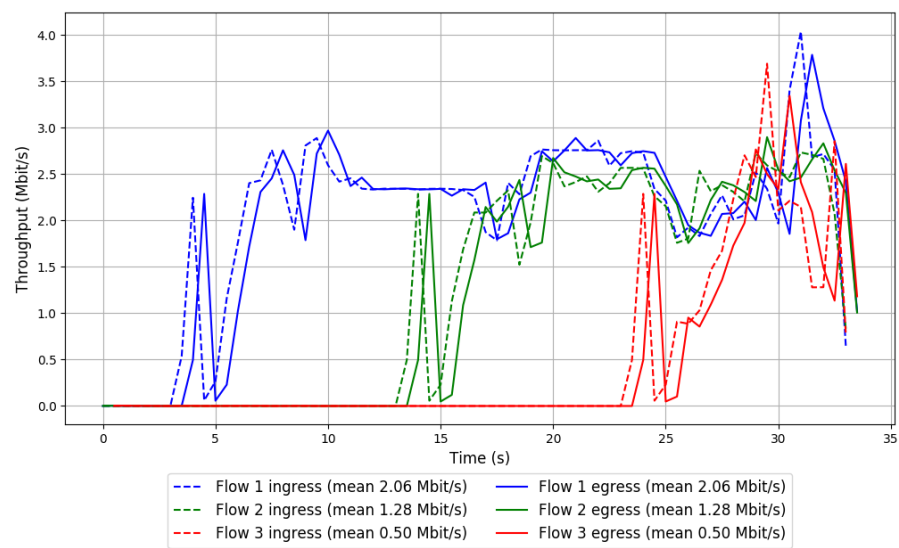


Run 2: Statistics of WebRTC media

Start at: 2018-07-19 05:01:18
End at: 2018-07-19 05:01:48
Local clock offset: -0.028 ms
Remote clock offset: -1.123 ms

Below is generated by plot.py at 2018-07-19 10:55:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 65.692 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 60.362 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 65.767 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 60.263 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-19 05:25:15

End at: 2018-07-19 05:25:45

Local clock offset: 0.004 ms

Remote clock offset: 1.314 ms

Below is generated by plot.py at 2018-07-19 10:55:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.80 Mbit/s

95th percentile per-packet one-way delay: 68.235 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 68.252 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.27 Mbit/s

95th percentile per-packet one-way delay: 68.215 ms

Loss rate: 0.00%

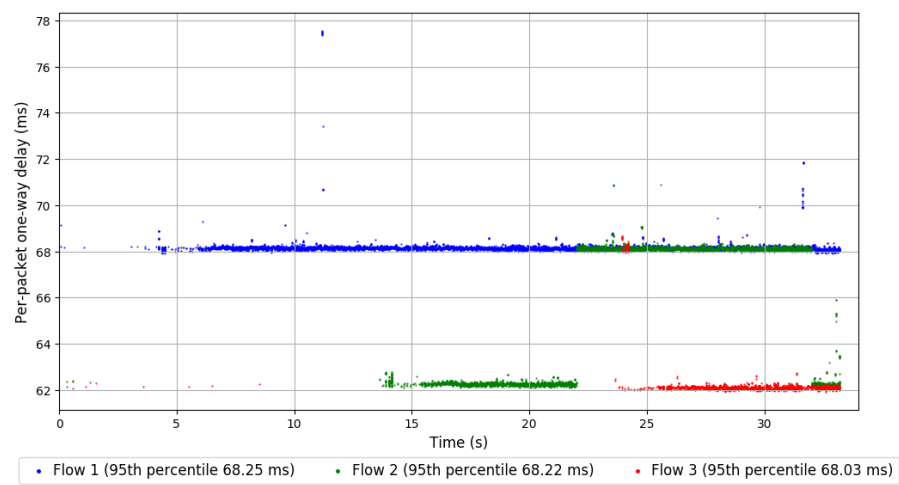
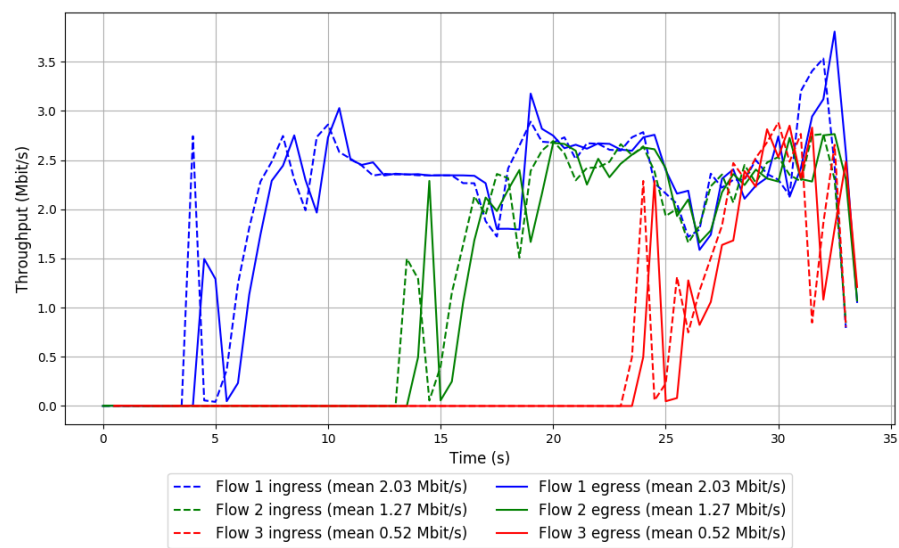
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 68.031 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

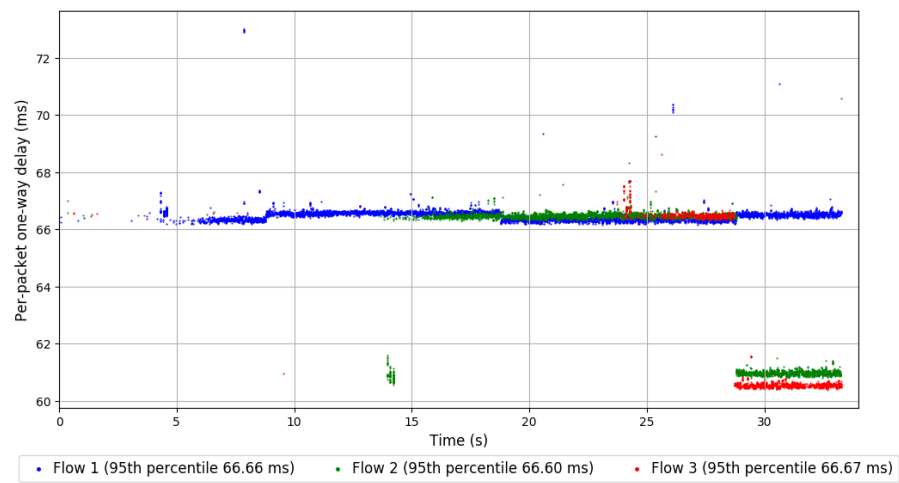
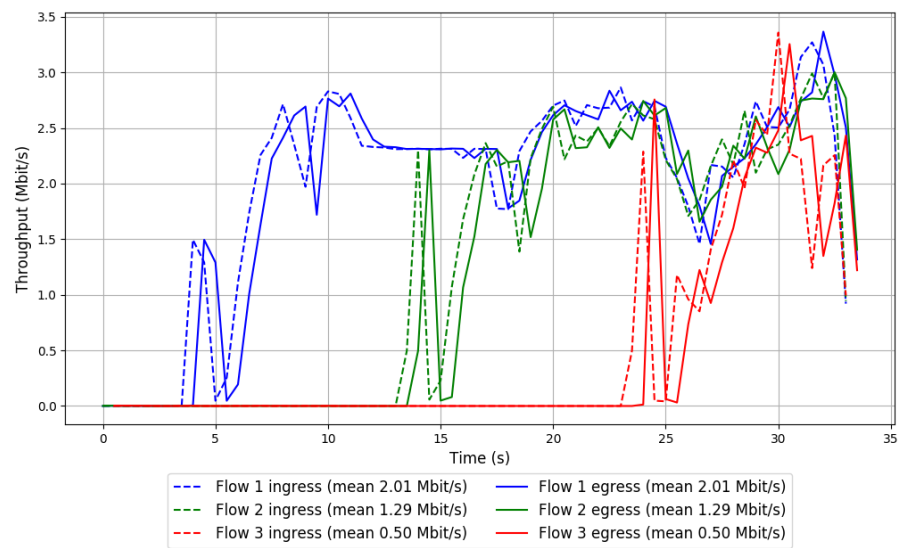


Run 4: Statistics of WebRTC media

Start at: 2018-07-19 05:49:19
End at: 2018-07-19 05:49:49
Local clock offset: -0.004 ms
Remote clock offset: -0.283 ms

Below is generated by plot.py at 2018-07-19 10:55:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.78 Mbit/s
95th percentile per-packet one-way delay: 66.642 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 66.657 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 66.597 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 66.666 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-19 06:13:36

End at: 2018-07-19 06:14:06

Local clock offset: 0.025 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-07-19 10:55:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.77 Mbit/s

95th percentile per-packet one-way delay: 66.748 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 66.764 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 66.616 ms

Loss rate: 0.00%

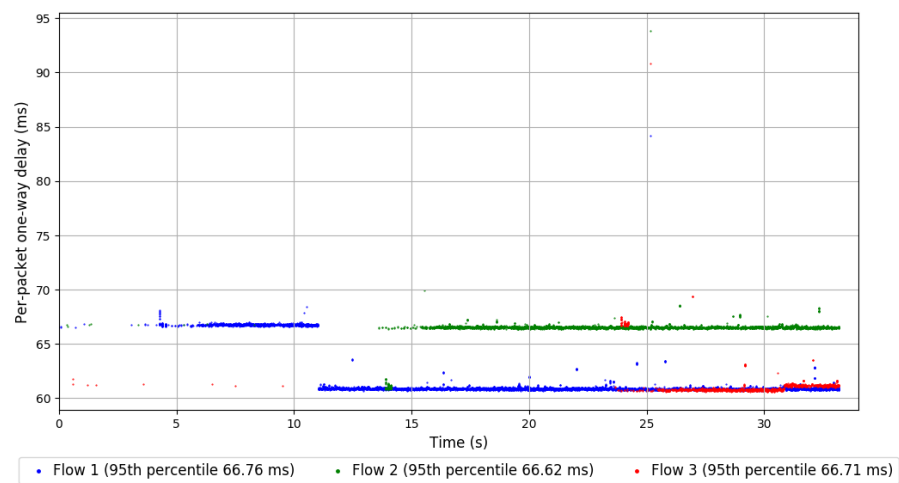
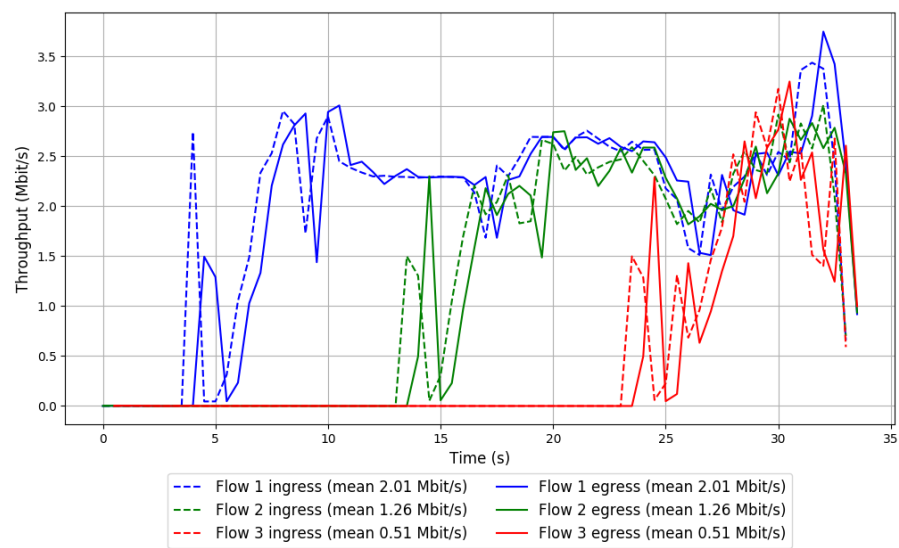
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 66.714 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-19 06:37:41

End at: 2018-07-19 06:38:11

Local clock offset: -0.003 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-19 10:55:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.81 Mbit/s

95th percentile per-packet one-way delay: 61.387 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 61.339 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 61.683 ms

Loss rate: 0.00%

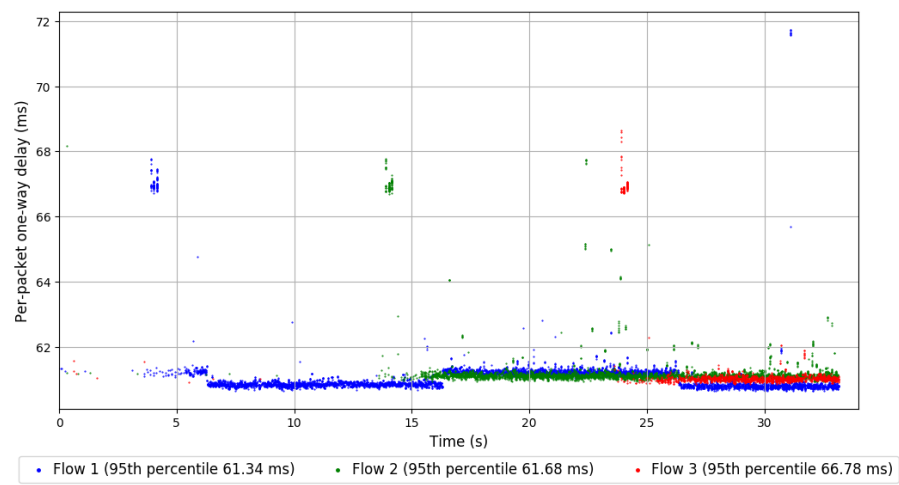
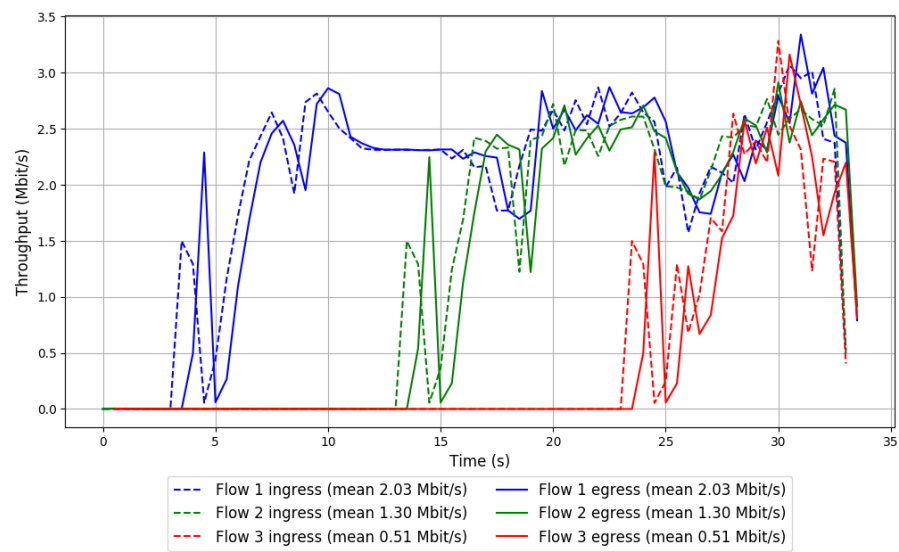
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 66.779 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

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

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

Local clock offset: -0.091 ms

Remote clock offset: 1.15 ms

Below is generated by plot.py at 2018-07-19 10:55:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.84 Mbit/s

95th percentile per-packet one-way delay: 62.604 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 62.575 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 62.776 ms

Loss rate: 0.00%

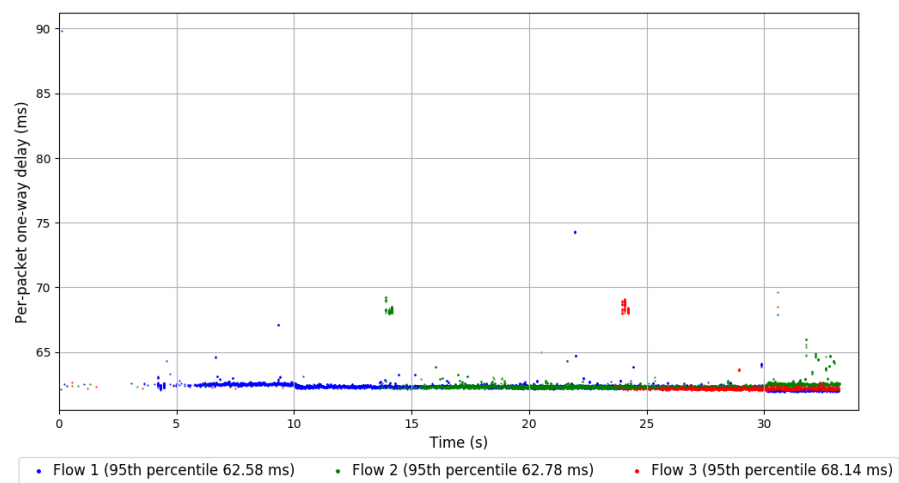
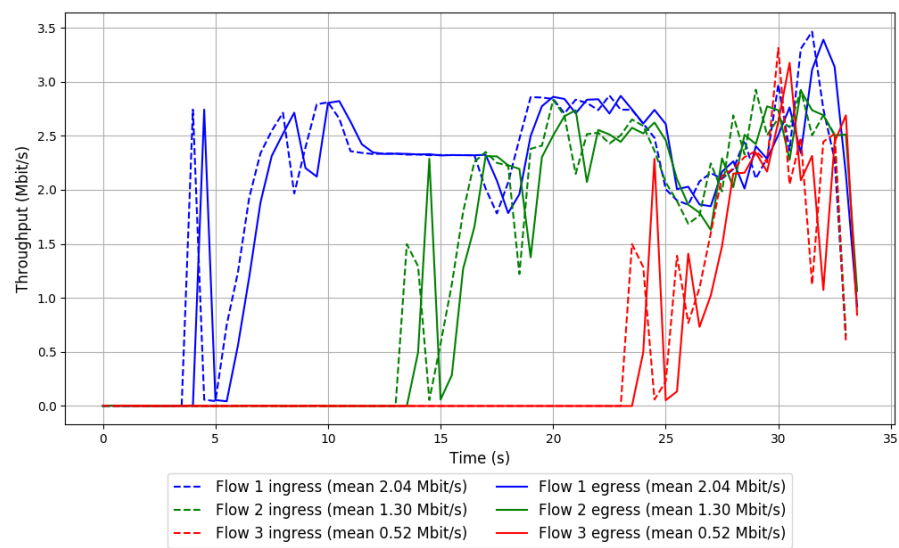
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 68.140 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-19 07:25:05

End at: 2018-07-19 07:25:35

Local clock offset: -0.055 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-19 10:55:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.84 Mbit/s

95th percentile per-packet one-way delay: 66.774 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 61.348 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 66.815 ms

Loss rate: 0.00%

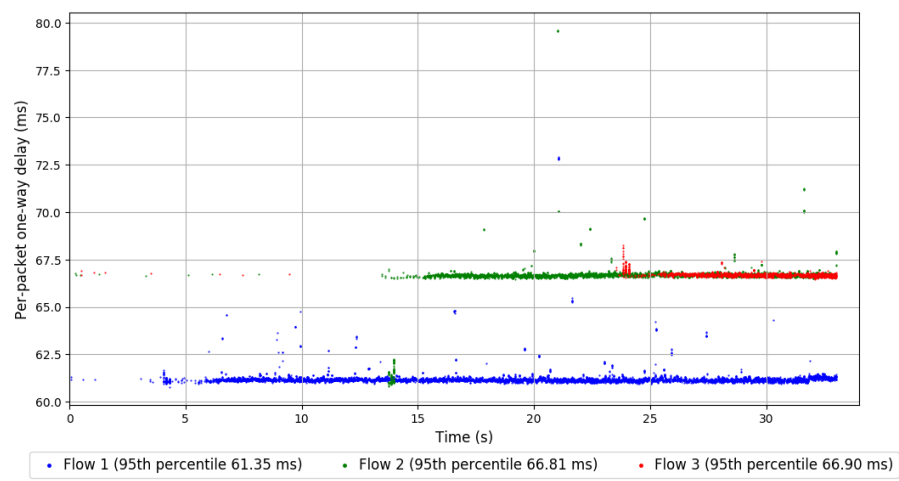
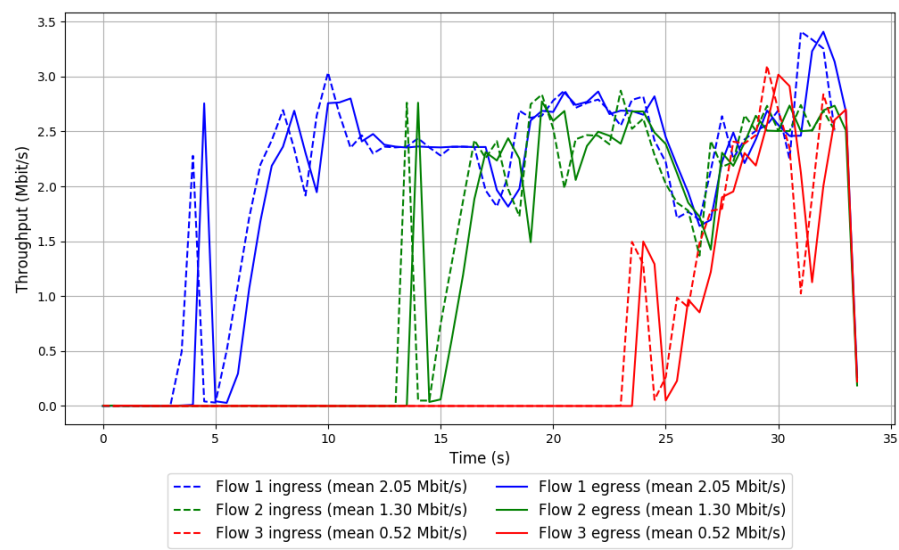
-- Flow 3:

Average throughput: 0.52 Mbit/s

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

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

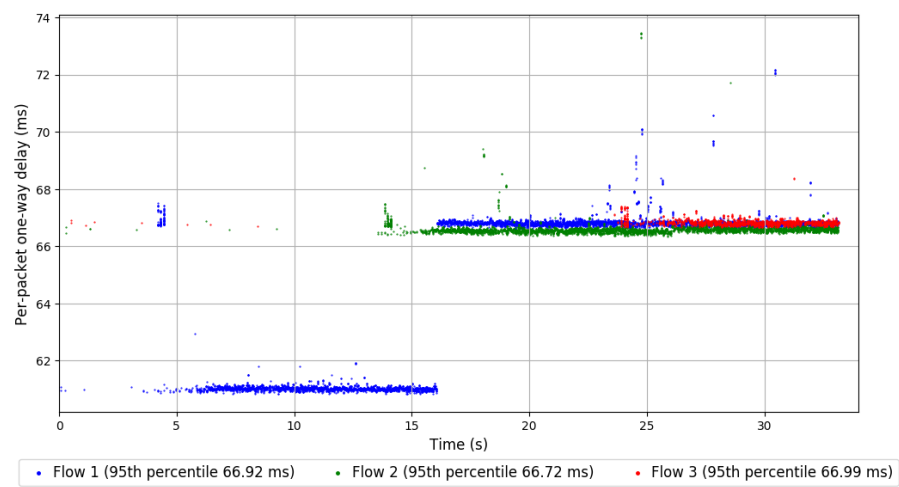
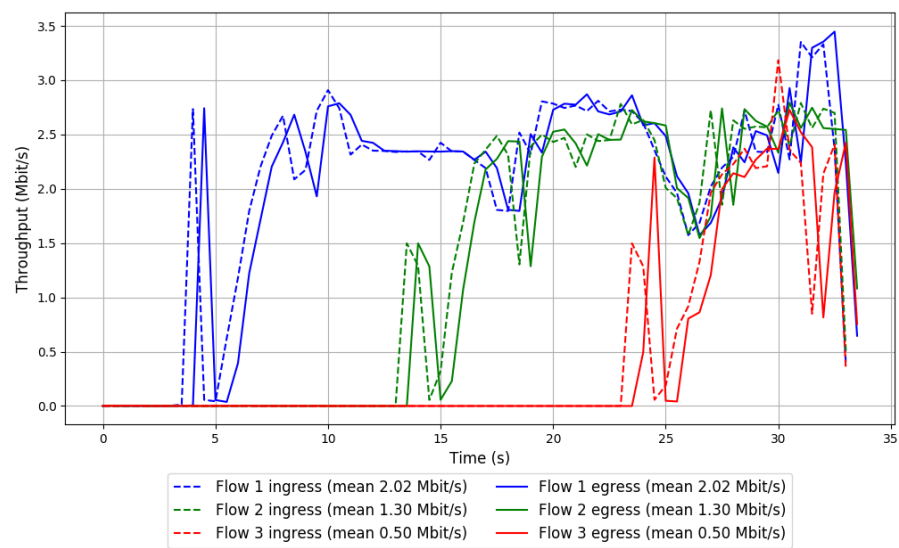


Run 9: Statistics of WebRTC media

Start at: 2018-07-19 07:49:01
End at: 2018-07-19 07:49:31
Local clock offset: -0.082 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-19 10:55:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.81 Mbit/s
95th percentile per-packet one-way delay: 66.911 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 66.915 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 66.724 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 66.989 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-19 08:12:50
End at: 2018-07-19 08:13:20
Local clock offset: -0.062 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-19 10:55:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 66.874 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 66.919 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 66.757 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 66.809 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

