

Pantheon Report

Generated at 2018-08-03 04:36:07 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

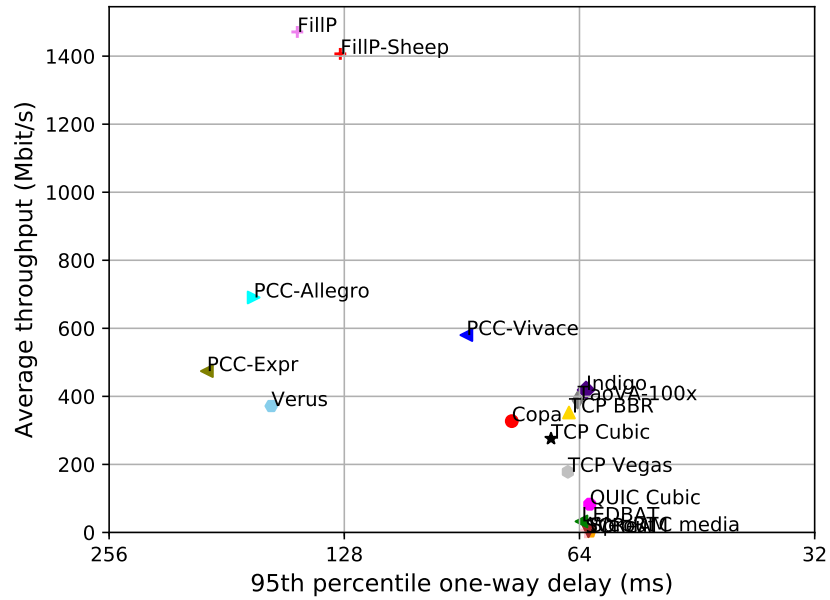
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

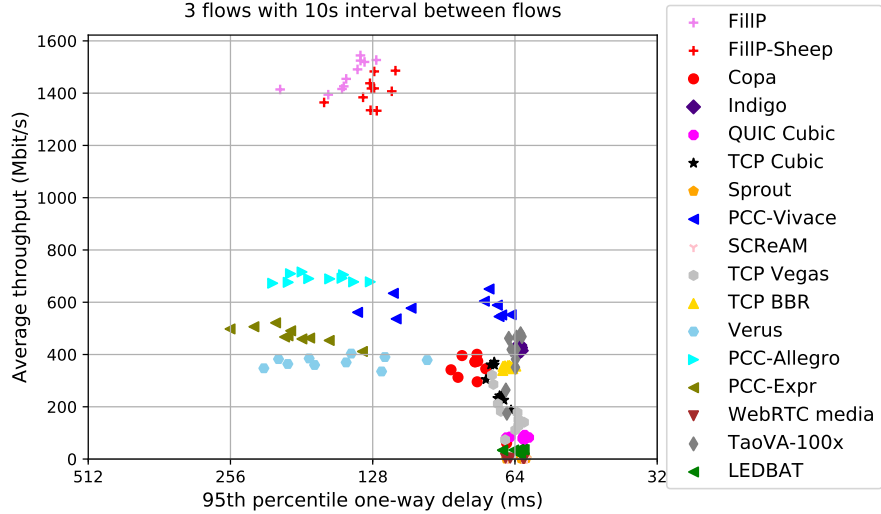
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf90c077e64d
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



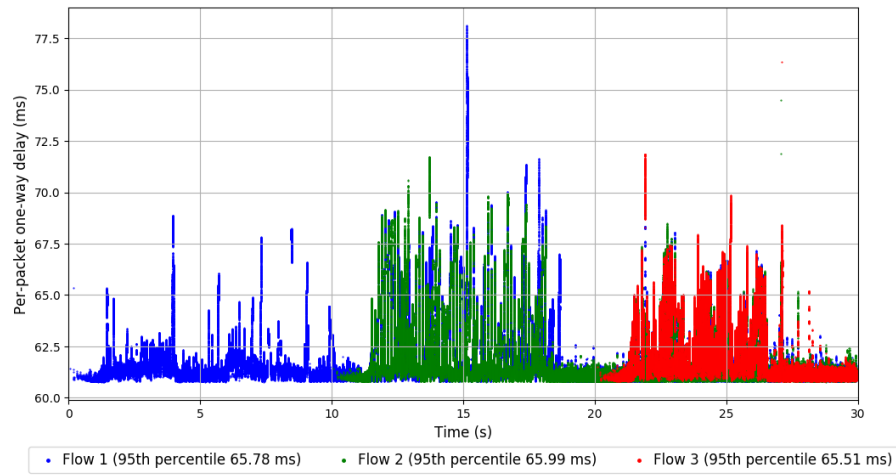
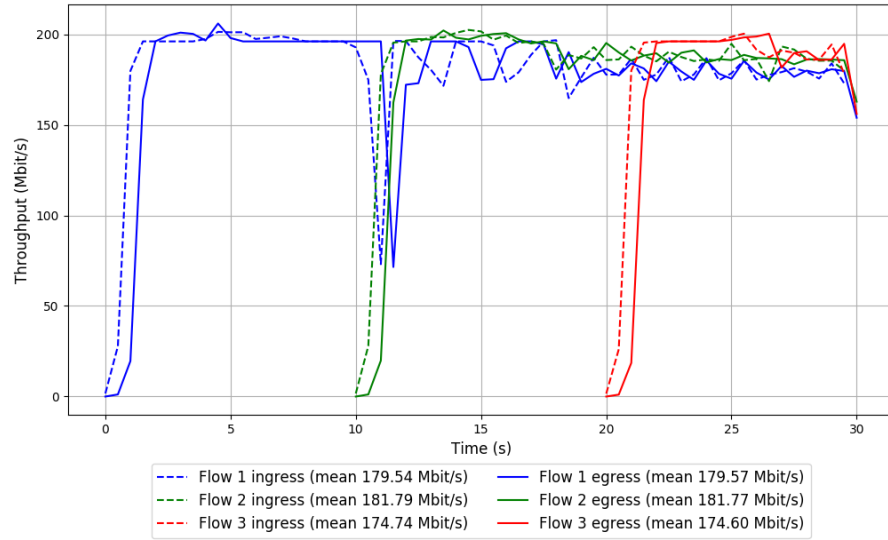
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	178.73	177.02	170.82	65.44	65.55	67.08	0.40	0.66	1.27
Copa	10	170.10	186.56	105.32	74.40	79.18	83.49	0.37	0.52	2.37
TCP Cubic	10	151.58	131.88	110.76	69.80	67.97	68.14	0.49	0.67	2.05
FillP	10	783.27	723.16	630.83	137.38	150.67	155.20	4.32	5.19	5.65
FillP-Sheep	10	763.48	686.03	570.80	128.53	130.39	120.71	1.58	2.09	2.43
Indigo	10	213.94	214.18	189.47	62.50	62.93	63.32	0.43	0.64	1.29
LEDBAT	10	20.59	14.44	6.87	63.75	63.47	62.99	0.92	1.27	2.62
PCC-Allegro	10	528.88	226.90	36.21	172.66	134.67	122.39	2.87	1.70	1.87
PCC-Expr	10	291.06	227.56	98.23	196.20	158.85	83.83	3.93	1.95	2.41
QUIC Cubic	10	49.90	36.67	25.62	61.45	61.56	61.54	0.63	1.17	1.90
SCReAM	10	0.22	0.22	0.22	61.79	62.30	61.07	0.38	0.61	1.12
Sprout	10	0.80	1.03	1.65	62.02	62.42	61.93	0.39	0.35	1.15
TaoVA-100x	10	185.95	205.72	221.37	63.78	64.27	65.69	0.74	0.71	1.38
TCP Vegas	10	90.50	78.52	107.68	65.50	65.49	67.05	0.41	0.58	1.28
Verus	10	217.82	178.44	108.60	139.94	148.18	158.19	1.56	2.18	4.27
PCC-Vivace	10	345.32	288.04	133.62	83.40	89.44	77.51	0.52	0.87	2.08
WebRTC media	10	1.85	1.19	0.47	61.22	62.26	62.86	0.59	0.77	0.92

Run 1: Statistics of TCP BBR

Start at: 2018-08-02 20:27:00
End at: 2018-08-02 20:27:30
Local clock offset: -0.07 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2018-08-03 01:13:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 357.96 Mbit/s
95th percentile per-packet one-way delay: 65.786 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 179.57 Mbit/s
95th percentile per-packet one-way delay: 65.775 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 181.77 Mbit/s
95th percentile per-packet one-way delay: 65.986 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 174.60 Mbit/s
95th percentile per-packet one-way delay: 65.514 ms
Loss rate: 1.30%

Run 1: Report of TCP BBR — Data Link

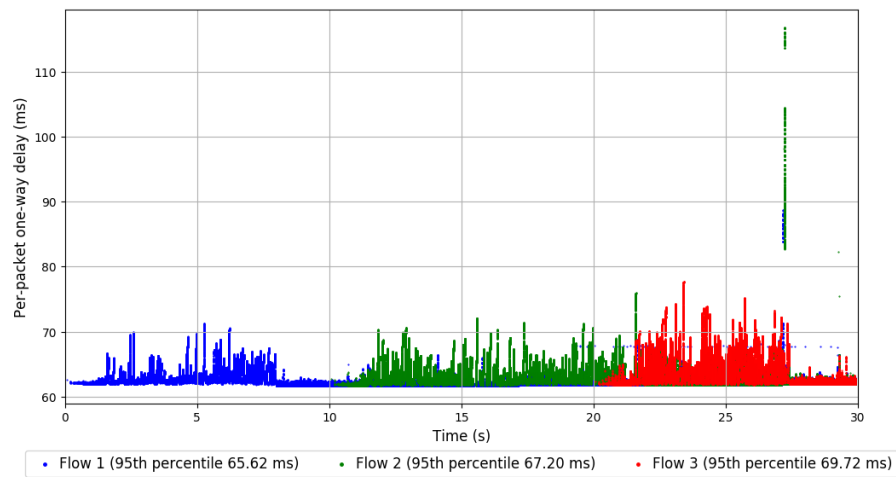
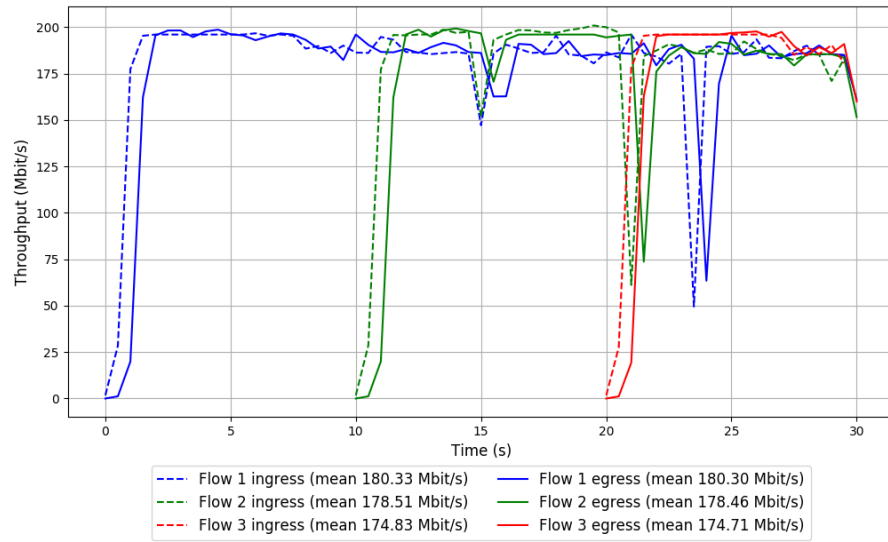


Run 2: Statistics of TCP BBR

Start at: 2018-08-02 20:53:52
End at: 2018-08-02 20:54:22
Local clock offset: -0.064 ms
Remote clock offset: -1.122 ms

Below is generated by plot.py at 2018-08-03 01:13:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 356.48 Mbit/s
95th percentile per-packet one-way delay: 67.189 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 180.30 Mbit/s
95th percentile per-packet one-way delay: 65.618 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 178.46 Mbit/s
95th percentile per-packet one-way delay: 67.203 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 174.71 Mbit/s
95th percentile per-packet one-way delay: 69.719 ms
Loss rate: 1.30%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-02 21:20:25

End at: 2018-08-02 21:20:55

Local clock offset: -0.057 ms

Remote clock offset: 0.915 ms

Below is generated by plot.py at 2018-08-03 01:13:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 345.84 Mbit/s

95th percentile per-packet one-way delay: 64.685 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 174.51 Mbit/s

95th percentile per-packet one-way delay: 65.689 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 175.25 Mbit/s

95th percentile per-packet one-way delay: 61.412 ms

Loss rate: 0.65%

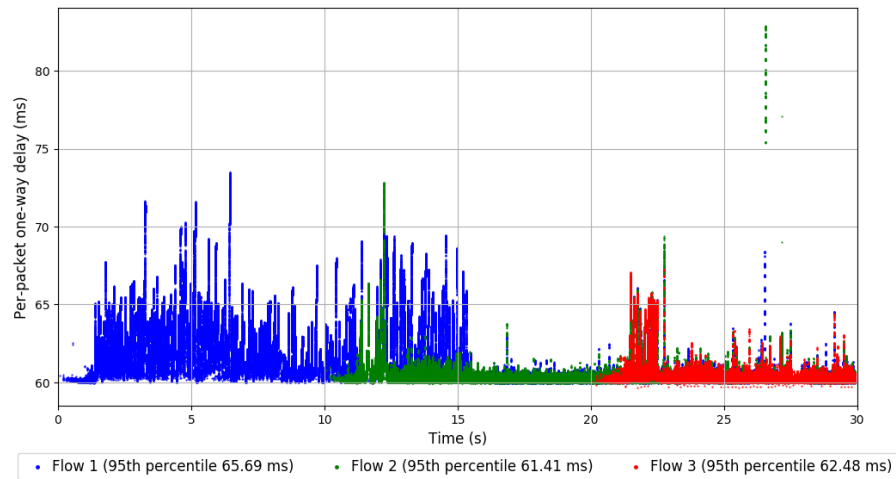
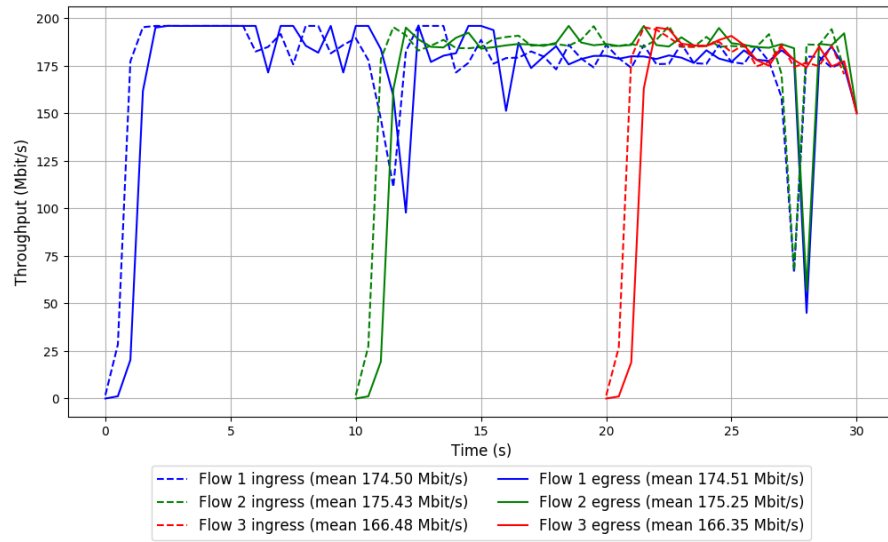
-- Flow 3:

Average throughput: 166.35 Mbit/s

95th percentile per-packet one-way delay: 62.481 ms

Loss rate: 1.36%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-02 21:47:05

End at: 2018-08-02 21:47:35

Local clock offset: -0.083 ms

Remote clock offset: 1.234 ms

Below is generated by plot.py at 2018-08-03 01:13:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 357.35 Mbit/s

95th percentile per-packet one-way delay: 66.270 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 180.13 Mbit/s

95th percentile per-packet one-way delay: 63.997 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 178.75 Mbit/s

95th percentile per-packet one-way delay: 65.701 ms

Loss rate: 0.66%

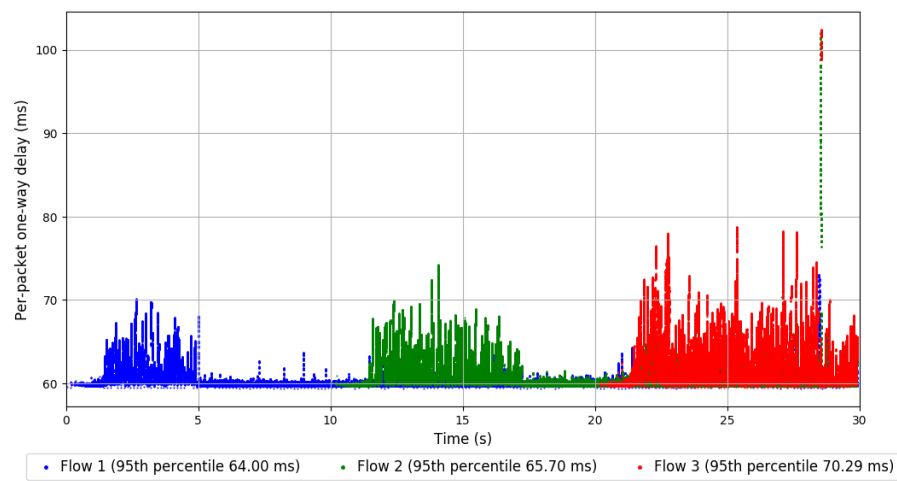
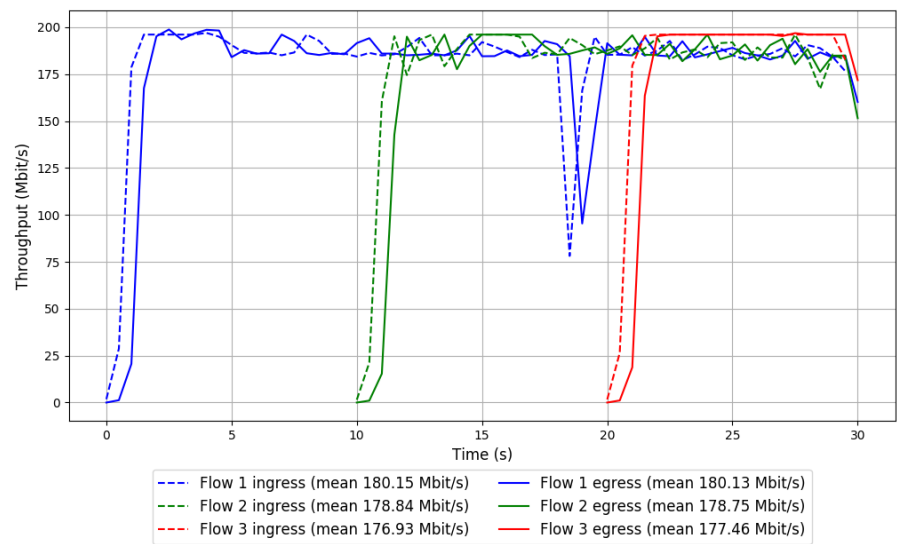
-- Flow 3:

Average throughput: 177.46 Mbit/s

95th percentile per-packet one-way delay: 70.292 ms

Loss rate: 1.01%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-02 22:13:53

End at: 2018-08-02 22:14:23

Local clock offset: -0.131 ms

Remote clock offset: 1.198 ms

Below is generated by plot.py at 2018-08-03 01:13:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 339.01 Mbit/s

95th percentile per-packet one-way delay: 67.925 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 176.30 Mbit/s

95th percentile per-packet one-way delay: 65.911 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 164.83 Mbit/s

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

Loss rate: 0.70%

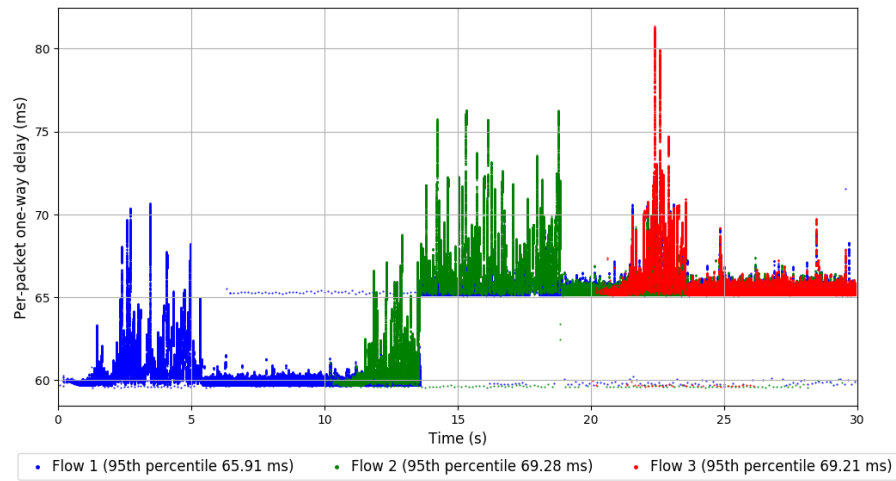
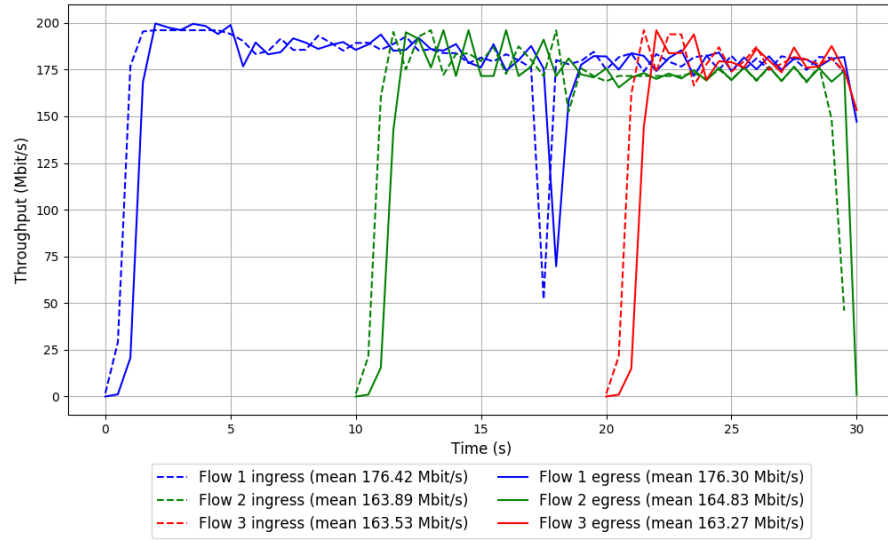
-- Flow 3:

Average throughput: 163.27 Mbit/s

95th percentile per-packet one-way delay: 69.207 ms

Loss rate: 1.38%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-02 22:39:28

End at: 2018-08-02 22:39:58

Local clock offset: -0.137 ms

Remote clock offset: 1.15 ms

Below is generated by plot.py at 2018-08-03 01:13:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 355.65 Mbit/s

95th percentile per-packet one-way delay: 63.745 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 179.39 Mbit/s

95th percentile per-packet one-way delay: 62.331 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 179.97 Mbit/s

95th percentile per-packet one-way delay: 64.265 ms

Loss rate: 0.67%

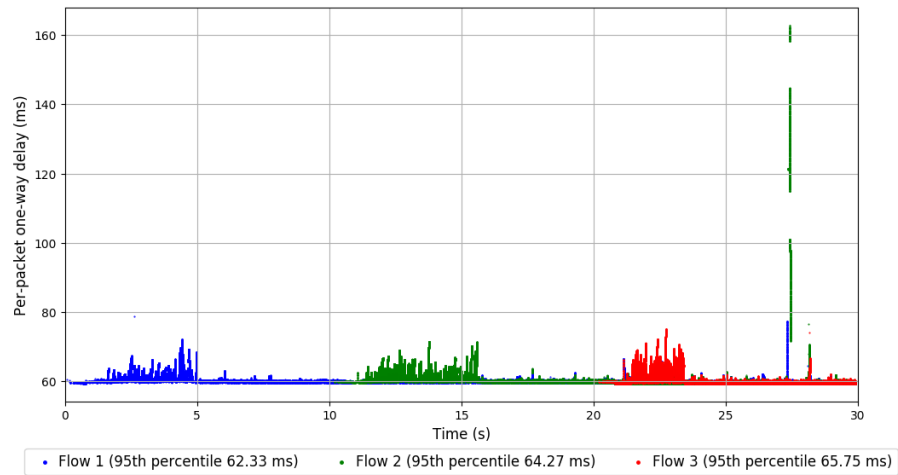
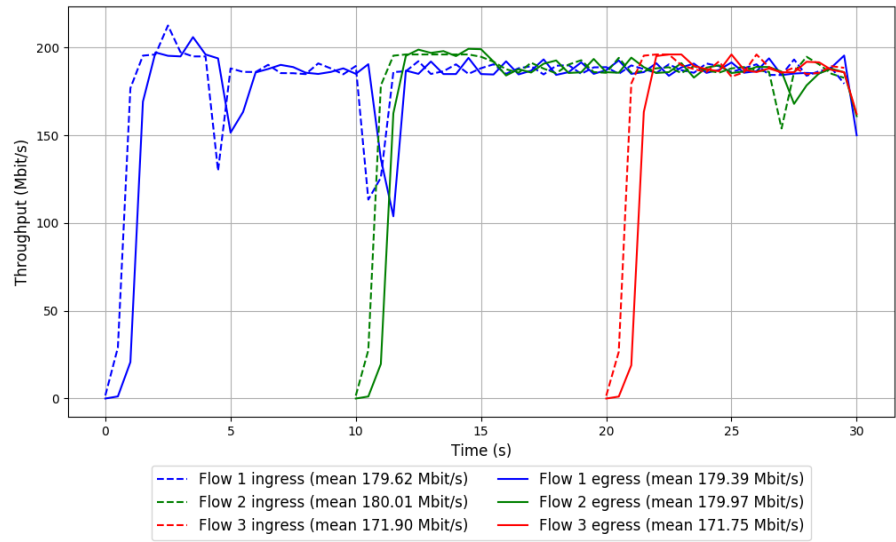
-- Flow 3:

Average throughput: 171.75 Mbit/s

95th percentile per-packet one-way delay: 65.755 ms

Loss rate: 1.32%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-02 23:05:33

End at: 2018-08-02 23:06:03

Local clock offset: -0.022 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-08-03 01:13:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 352.32 Mbit/s

95th percentile per-packet one-way delay: 64.968 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 179.50 Mbit/s

95th percentile per-packet one-way delay: 67.996 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 178.39 Mbit/s

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

Loss rate: 0.67%

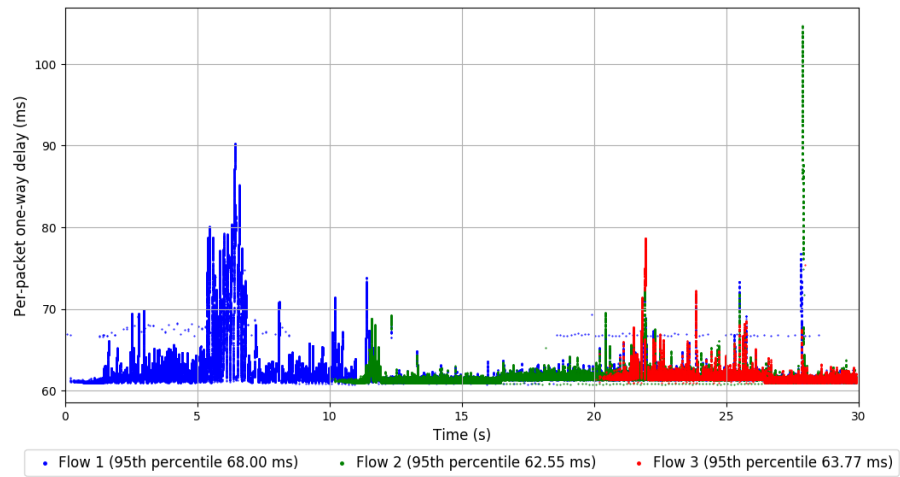
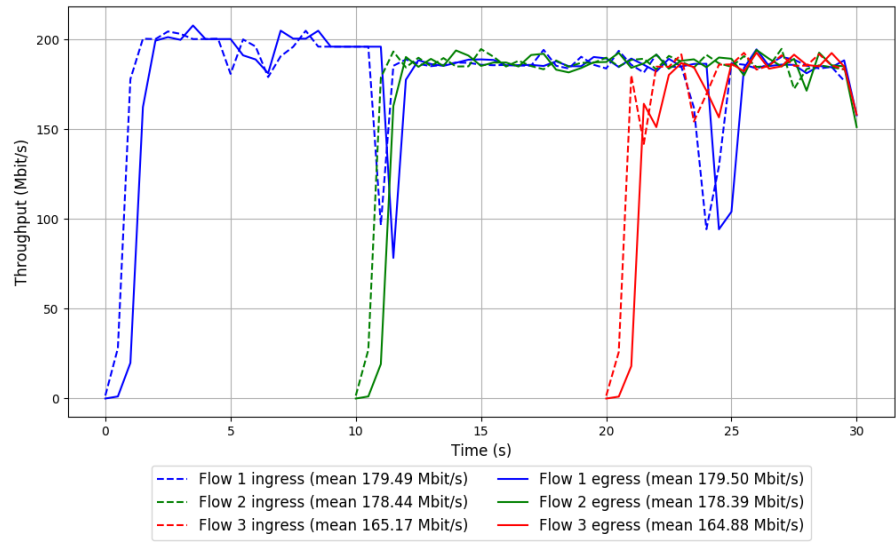
-- Flow 3:

Average throughput: 164.88 Mbit/s

95th percentile per-packet one-way delay: 63.770 ms

Loss rate: 1.47%

Run 7: Report of TCP BBR — Data Link

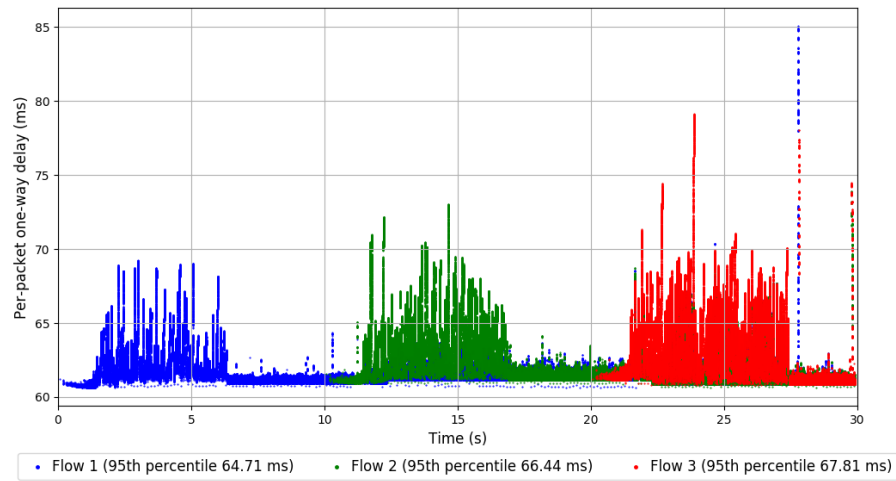
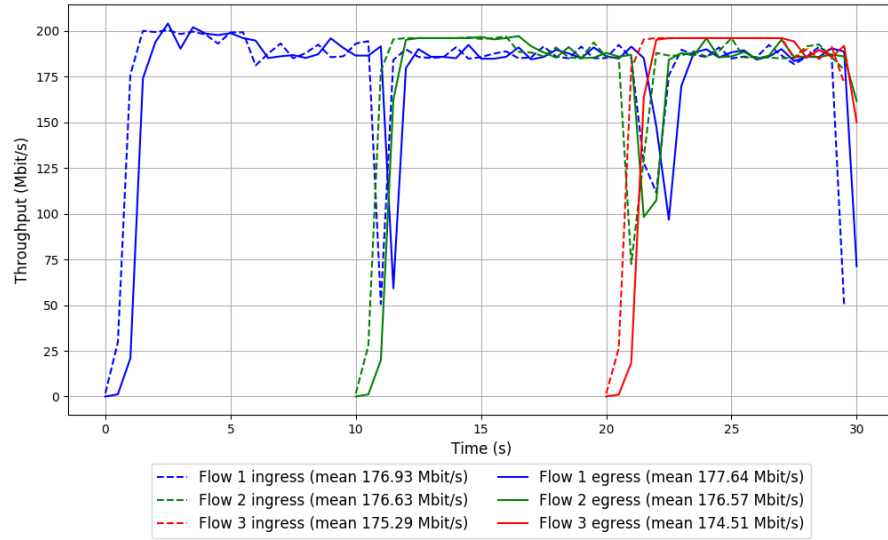


Run 8: Statistics of TCP BBR

Start at: 2018-08-02 23:31:57
End at: 2018-08-02 23:32:27
Local clock offset: -0.021 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-08-03 01:13:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 351.94 Mbit/s
95th percentile per-packet one-way delay: 66.284 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 177.64 Mbit/s
95th percentile per-packet one-way delay: 64.712 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 176.57 Mbit/s
95th percentile per-packet one-way delay: 66.441 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 174.51 Mbit/s
95th percentile per-packet one-way delay: 67.812 ms
Loss rate: 1.32%

Run 8: Report of TCP BBR — Data Link

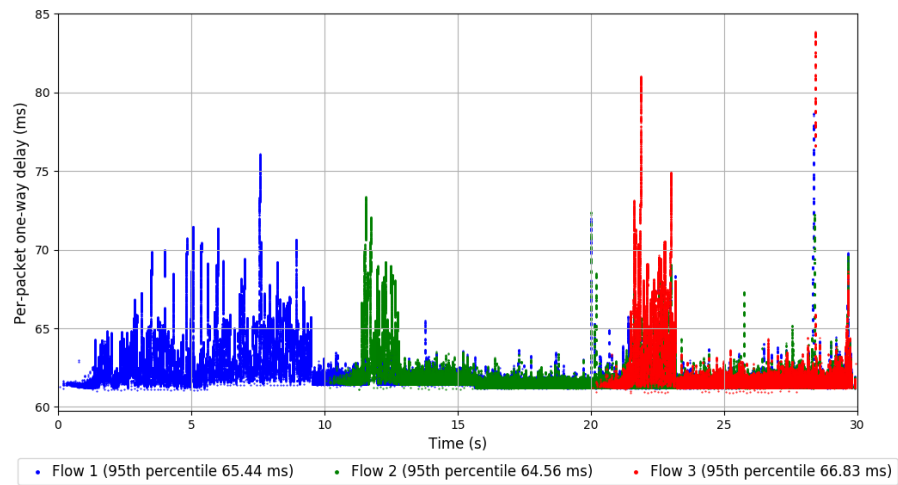
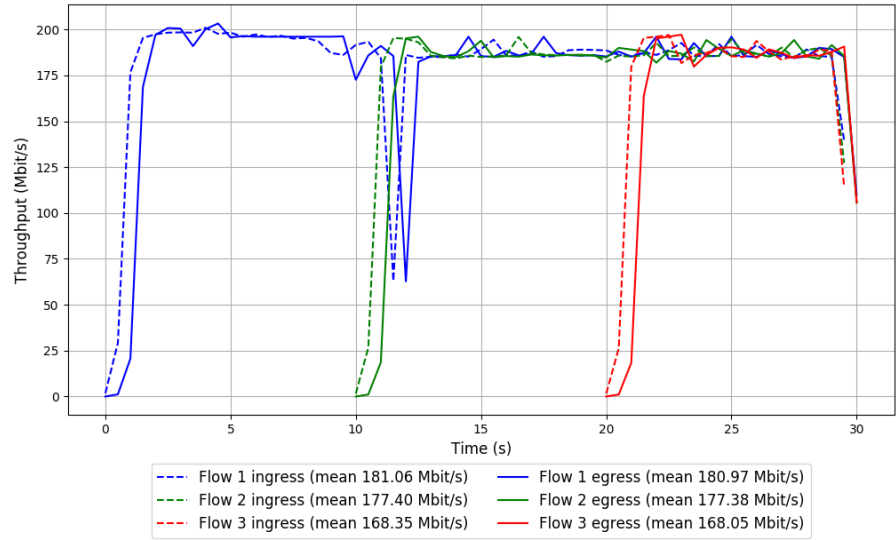


Run 9: Statistics of TCP BBR

Start at: 2018-08-02 23:58:23
End at: 2018-08-02 23:58:53
Local clock offset: -0.038 ms
Remote clock offset: -0.302 ms

Below is generated by plot.py at 2018-08-03 01:18:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 354.26 Mbit/s
95th percentile per-packet one-way delay: 65.465 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 180.97 Mbit/s
95th percentile per-packet one-way delay: 65.435 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 177.38 Mbit/s
95th percentile per-packet one-way delay: 64.563 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 168.05 Mbit/s
95th percentile per-packet one-way delay: 66.835 ms
Loss rate: 0.92%

Run 9: Report of TCP BBR — Data Link

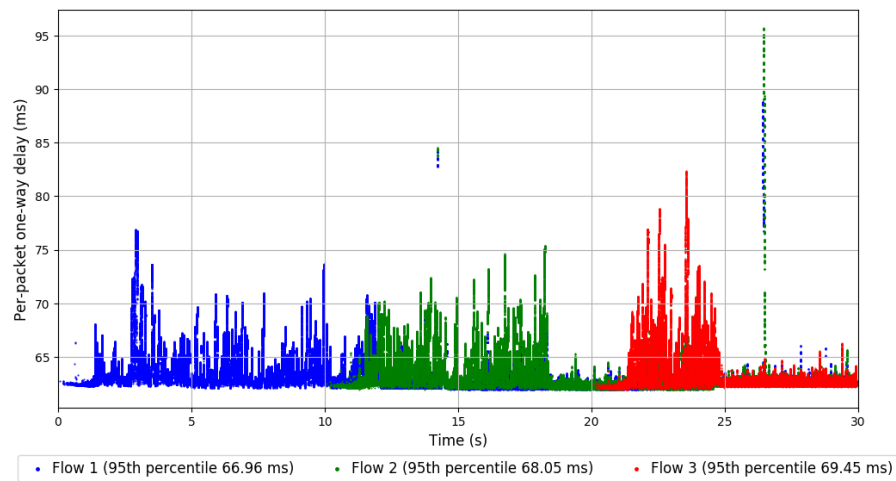
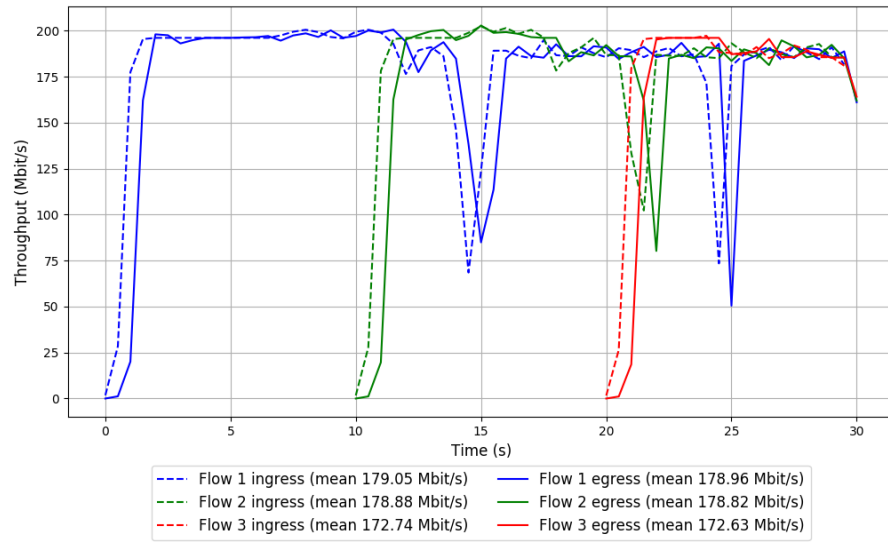


Run 10: Statistics of TCP BBR

Start at: 2018-08-03 00:24:54
End at: 2018-08-03 00:25:24
Local clock offset: -0.041 ms
Remote clock offset: -1.371 ms

Below is generated by plot.py at 2018-08-03 01:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 354.72 Mbit/s
95th percentile per-packet one-way delay: 67.823 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 178.96 Mbit/s
95th percentile per-packet one-way delay: 66.963 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 178.82 Mbit/s
95th percentile per-packet one-way delay: 68.051 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 172.63 Mbit/s
95th percentile per-packet one-way delay: 69.454 ms
Loss rate: 1.30%

Run 10: Report of TCP BBR — Data Link

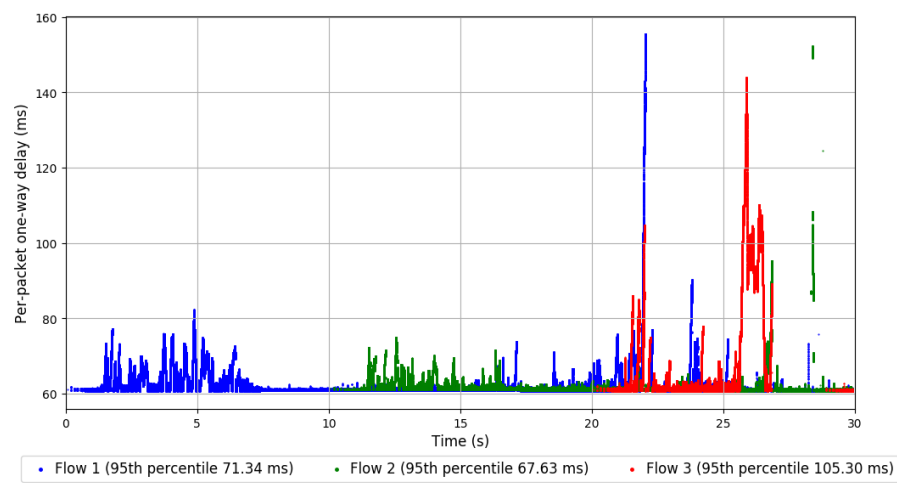
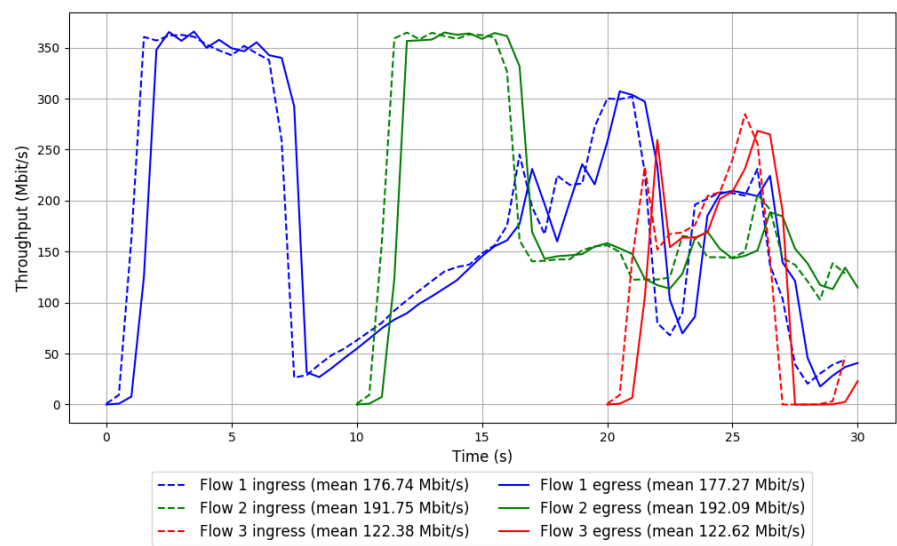


Run 1: Statistics of Copa

Start at: 2018-08-02 20:22:34
End at: 2018-08-02 20:23:04
Local clock offset: -0.129 ms
Remote clock offset: -0.213 ms

Below is generated by plot.py at 2018-08-03 01:24:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 345.39 Mbit/s
95th percentile per-packet one-way delay: 73.788 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 177.27 Mbit/s
95th percentile per-packet one-way delay: 71.336 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 192.09 Mbit/s
95th percentile per-packet one-way delay: 67.633 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 122.62 Mbit/s
95th percentile per-packet one-way delay: 105.299 ms
Loss rate: 1.03%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-08-02 20:49:16

End at: 2018-08-02 20:49:46

Local clock offset: -0.036 ms

Remote clock offset: 0.204 ms

Below is generated by plot.py at 2018-08-03 01:26:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 400.79 Mbit/s

95th percentile per-packet one-way delay: 77.018 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 203.33 Mbit/s

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

Loss rate: 0.45%

-- Flow 2:

Average throughput: 243.48 Mbit/s

95th percentile per-packet one-way delay: 83.915 ms

Loss rate: 0.40%

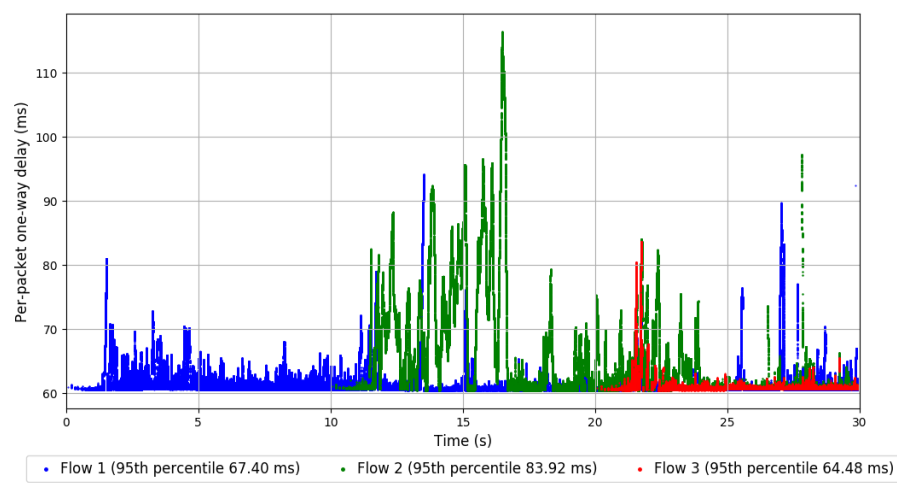
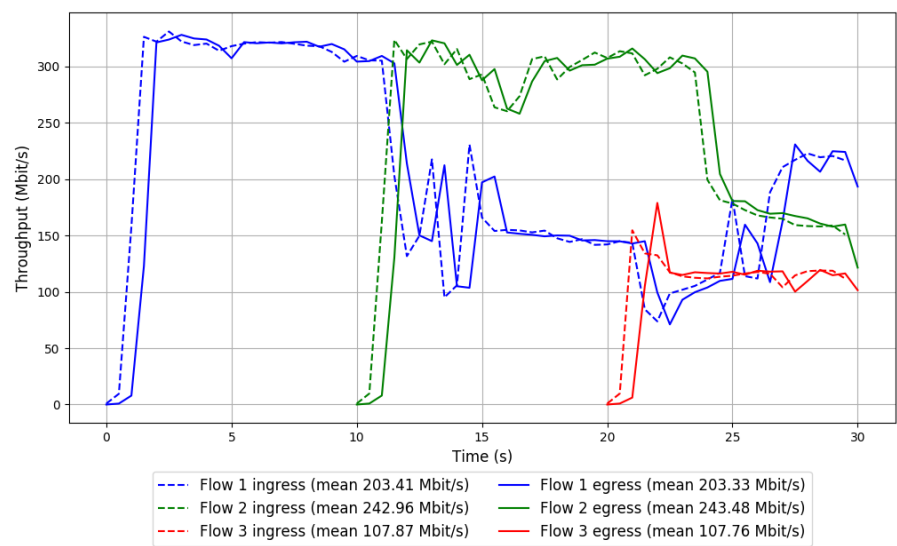
-- Flow 3:

Average throughput: 107.76 Mbit/s

95th percentile per-packet one-way delay: 64.484 ms

Loss rate: 1.32%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-08-02 21:15:51

End at: 2018-08-02 21:16:21

Local clock offset: -0.065 ms

Remote clock offset: 0.184 ms

Below is generated by plot.py at 2018-08-03 01:26:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 374.59 Mbit/s

95th percentile per-packet one-way delay: 76.731 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 215.82 Mbit/s

95th percentile per-packet one-way delay: 73.389 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 157.09 Mbit/s

95th percentile per-packet one-way delay: 85.239 ms

Loss rate: 0.00%

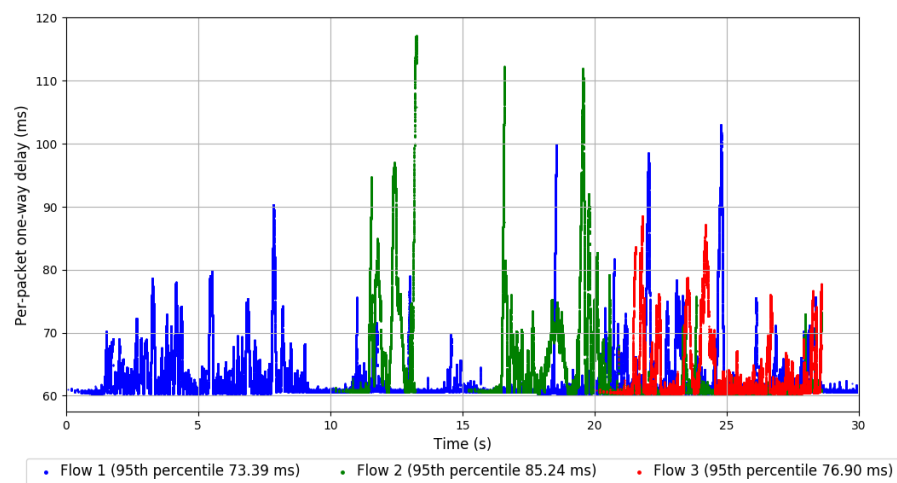
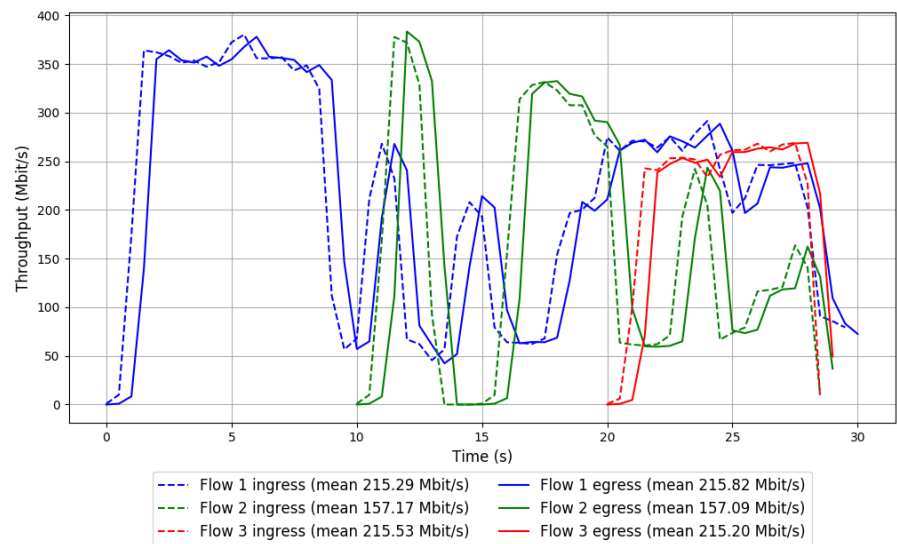
-- Flow 3:

Average throughput: 215.20 Mbit/s

95th percentile per-packet one-way delay: 76.896 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link

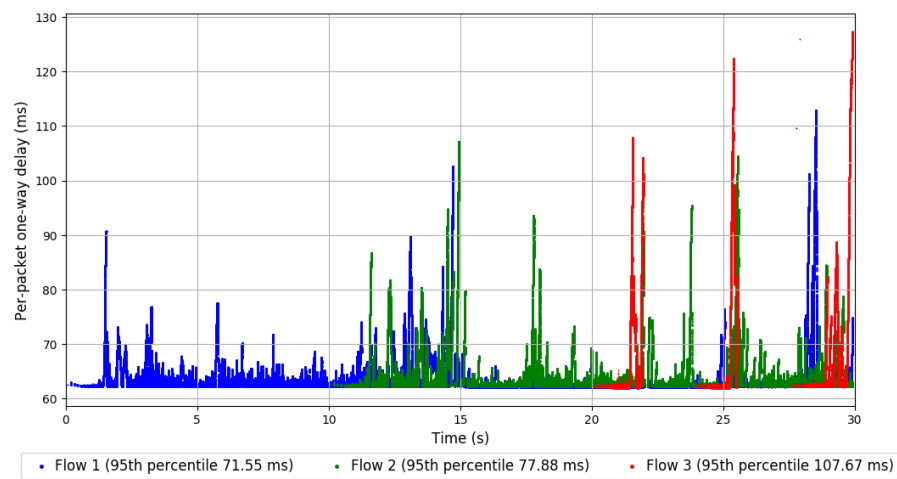
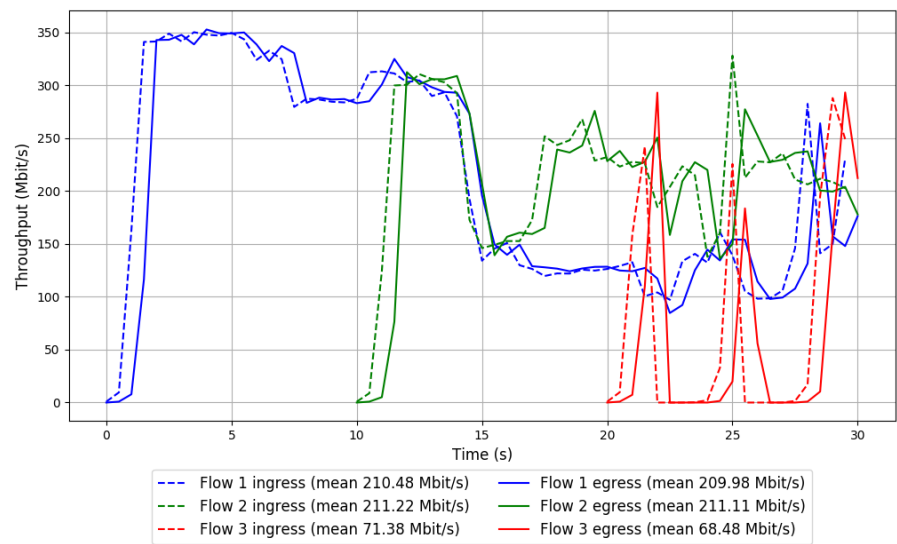


Run 4: Statistics of Copa

Start at: 2018-08-02 21:42:34
End at: 2018-08-02 21:43:04
Local clock offset: -0.1 ms
Remote clock offset: -1.402 ms

Below is generated by plot.py at 2018-08-03 01:26:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 372.89 Mbit/s
95th percentile per-packet one-way delay: 77.785 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 209.98 Mbit/s
95th percentile per-packet one-way delay: 71.553 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 211.11 Mbit/s
95th percentile per-packet one-way delay: 77.875 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 68.48 Mbit/s
95th percentile per-packet one-way delay: 107.666 ms
Loss rate: 5.24%

Run 4: Report of Copa — Data Link

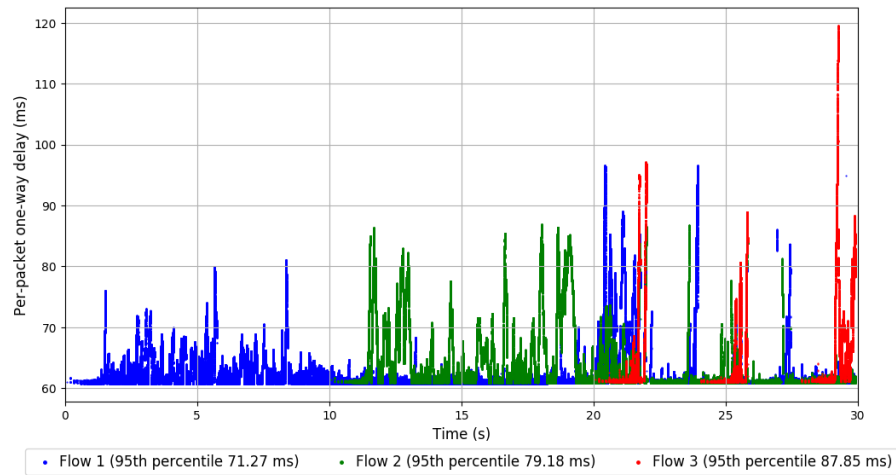
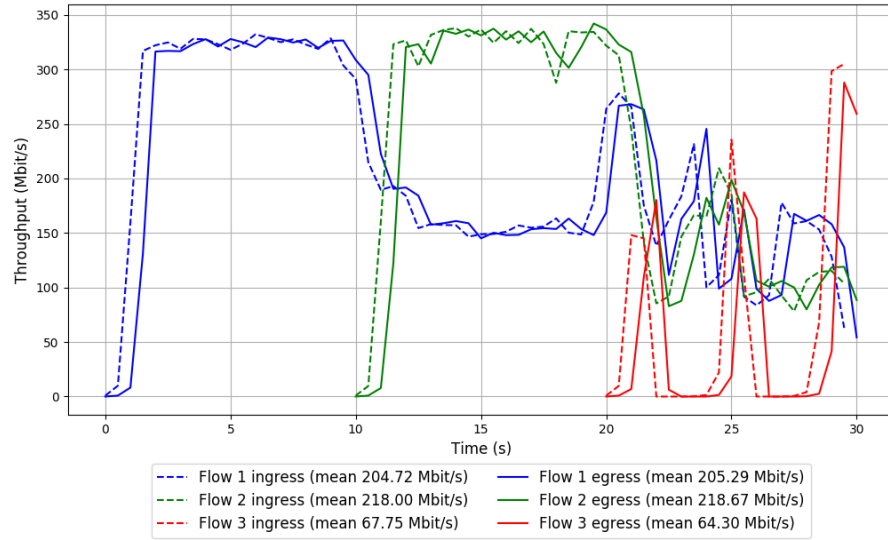


Run 5: Statistics of Copa

Start at: 2018-08-02 22:09:21
End at: 2018-08-02 22:09:51
Local clock offset: -0.099 ms
Remote clock offset: -0.217 ms

Below is generated by plot.py at 2018-08-03 01:26:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.63 Mbit/s
95th percentile per-packet one-way delay: 77.725 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 205.29 Mbit/s
95th percentile per-packet one-way delay: 71.268 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 218.67 Mbit/s
95th percentile per-packet one-way delay: 79.181 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 64.30 Mbit/s
95th percentile per-packet one-way delay: 87.851 ms
Loss rate: 6.26%

Run 5: Report of Copa — Data Link

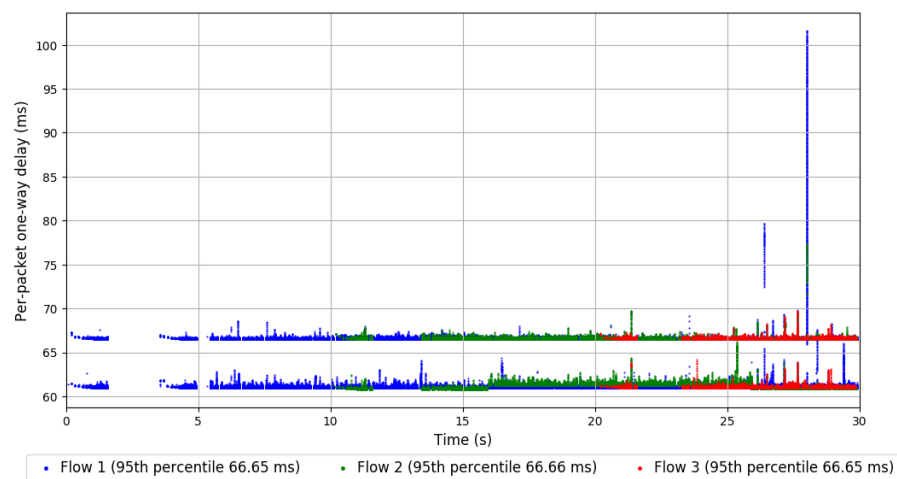
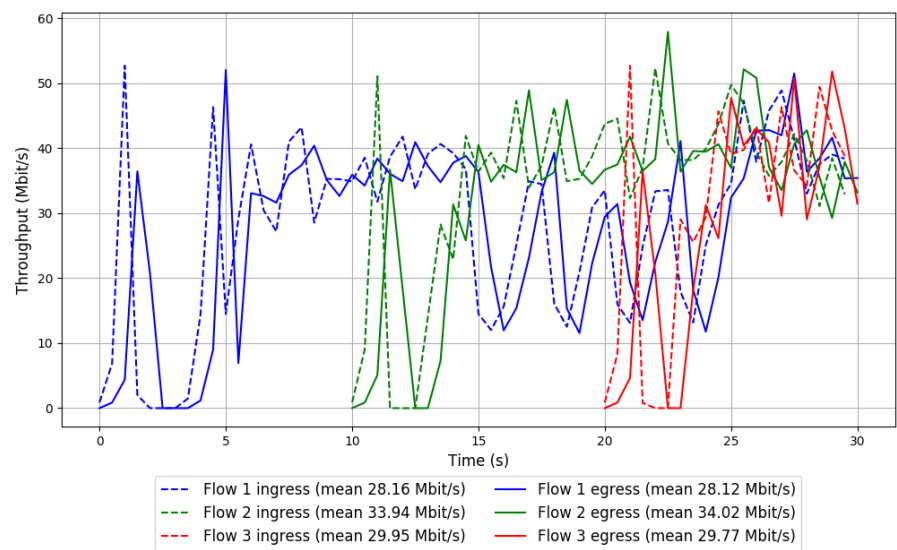


Run 6: Statistics of Copa

Start at: 2018-08-02 22:35:25
End at: 2018-08-02 22:35:55
Local clock offset: -0.138 ms
Remote clock offset: -0.194 ms

Below is generated by plot.py at 2018-08-03 01:26:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.45 Mbit/s
95th percentile per-packet one-way delay: 66.655 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 28.12 Mbit/s
95th percentile per-packet one-way delay: 66.650 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 34.02 Mbit/s
95th percentile per-packet one-way delay: 66.661 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 29.77 Mbit/s
95th percentile per-packet one-way delay: 66.654 ms
Loss rate: 1.85%

Run 6: Report of Copa — Data Link

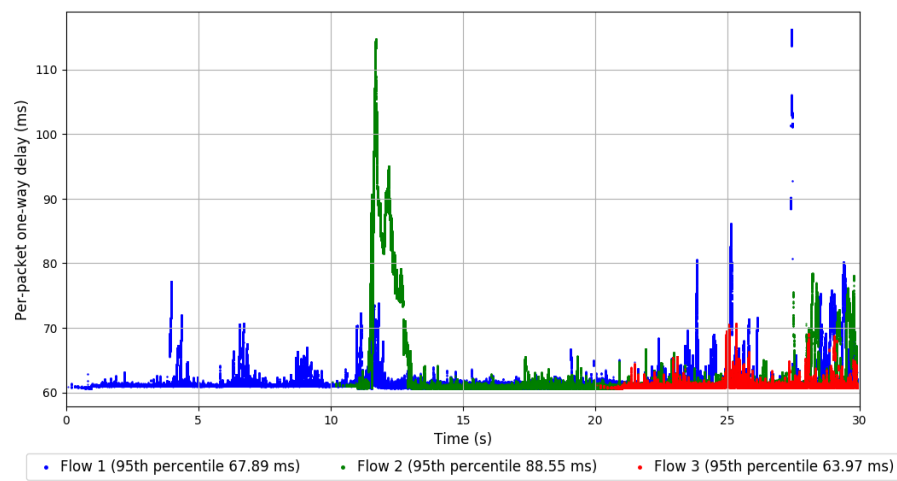
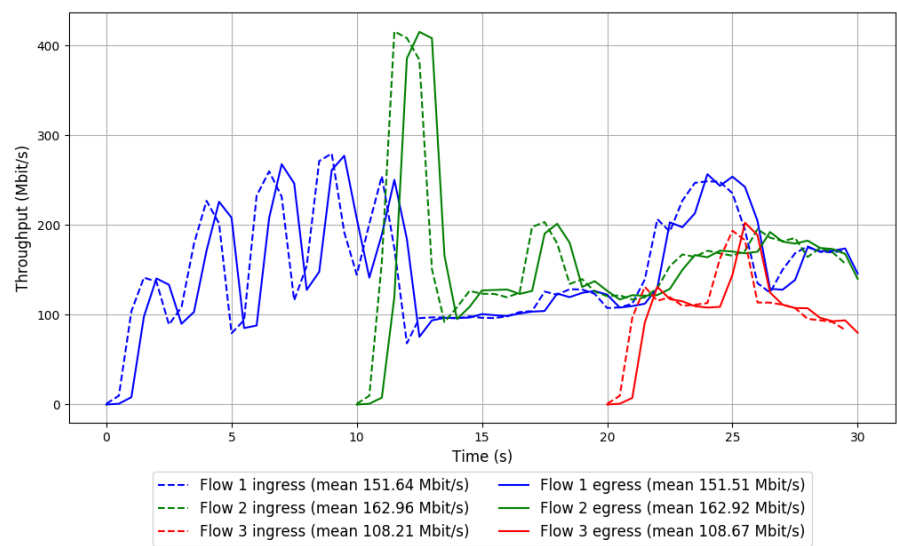


Run 7: Statistics of Copa

Start at: 2018-08-02 23:01:08
End at: 2018-08-02 23:01:38
Local clock offset: -0.075 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-08-03 01:26:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 295.62 Mbit/s
95th percentile per-packet one-way delay: 76.935 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 151.51 Mbit/s
95th percentile per-packet one-way delay: 67.893 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 162.92 Mbit/s
95th percentile per-packet one-way delay: 88.549 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 108.67 Mbit/s
95th percentile per-packet one-way delay: 63.968 ms
Loss rate: 0.81%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-08-02 23:27:28

End at: 2018-08-02 23:27:58

Local clock offset: 0.019 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2018-08-03 01:30:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 341.61 Mbit/s

95th percentile per-packet one-way delay: 87.401 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 146.80 Mbit/s

95th percentile per-packet one-way delay: 89.066 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 244.33 Mbit/s

95th percentile per-packet one-way delay: 81.098 ms

Loss rate: 0.66%

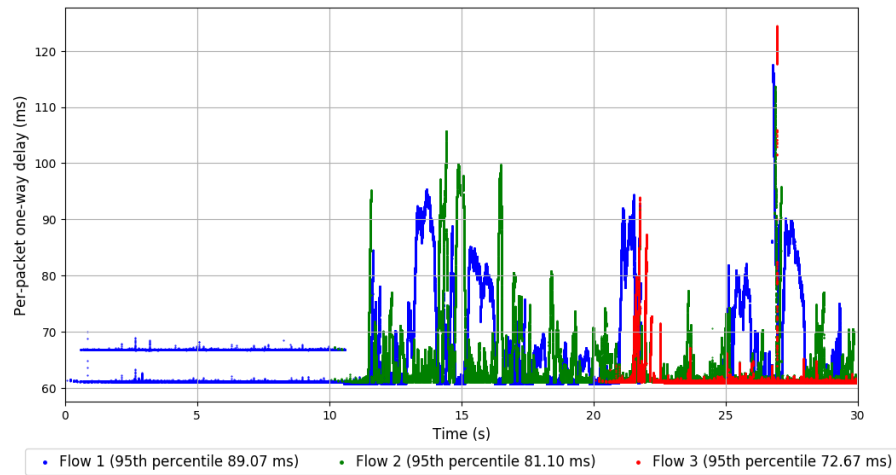
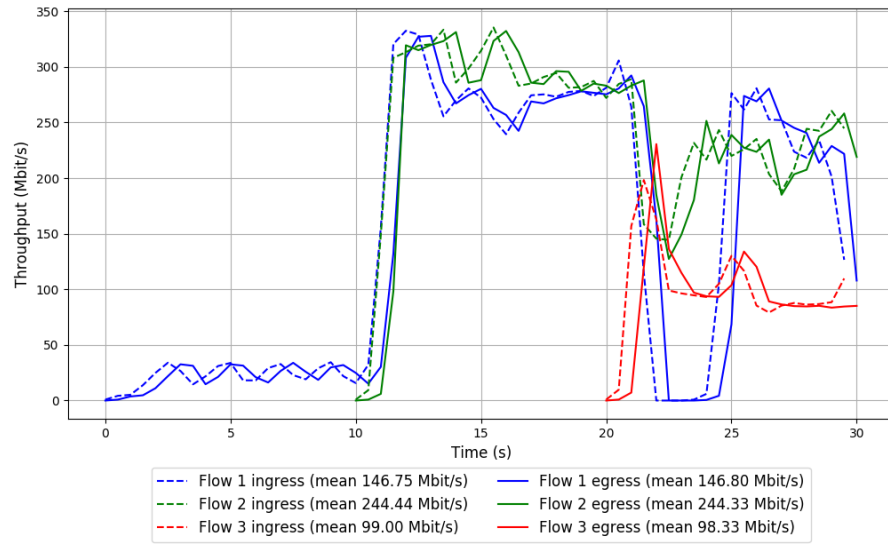
-- Flow 3:

Average throughput: 98.33 Mbit/s

95th percentile per-packet one-way delay: 72.666 ms

Loss rate: 1.89%

Run 8: Report of Copa — Data Link

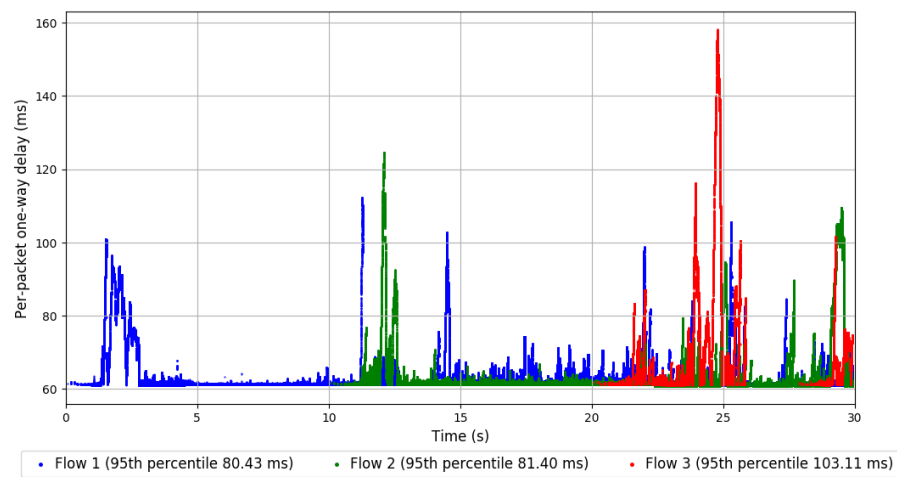
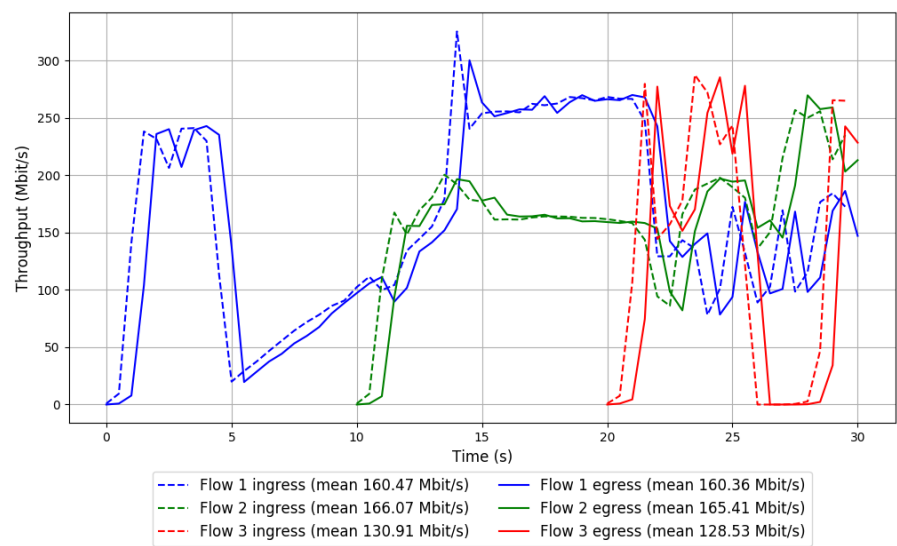


Run 9: Statistics of Copa

Start at: 2018-08-02 23:53:57
End at: 2018-08-02 23:54:27
Local clock offset: -0.068 ms
Remote clock offset: -0.223 ms

Below is generated by plot.py at 2018-08-03 01:30:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 312.68 Mbit/s
95th percentile per-packet one-way delay: 84.476 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 160.36 Mbit/s
95th percentile per-packet one-way delay: 80.432 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 165.41 Mbit/s
95th percentile per-packet one-way delay: 81.400 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 128.53 Mbit/s
95th percentile per-packet one-way delay: 103.113 ms
Loss rate: 3.02%

Run 9: Report of Copa — Data Link

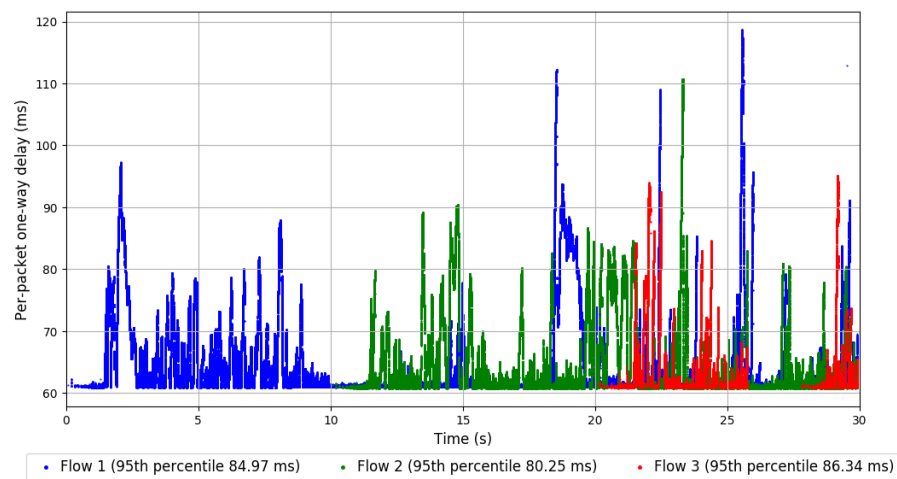
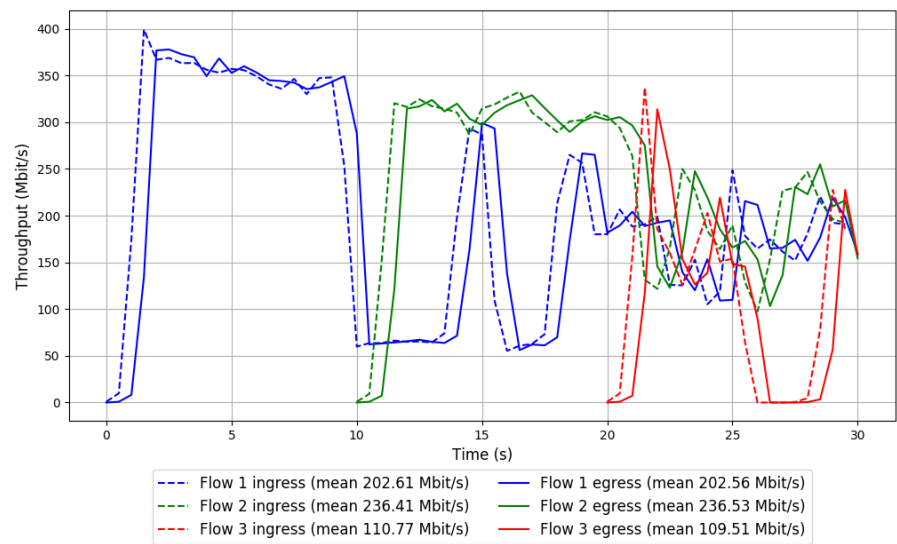


Run 10: Statistics of Copa

Start at: 2018-08-03 00:20:20
End at: 2018-08-03 00:20:50
Local clock offset: -0.017 ms
Remote clock offset: -0.188 ms

Below is generated by plot.py at 2018-08-03 01:38:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 395.92 Mbit/s
95th percentile per-packet one-way delay: 82.825 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 202.56 Mbit/s
95th percentile per-packet one-way delay: 84.974 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 236.53 Mbit/s
95th percentile per-packet one-way delay: 80.252 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 109.51 Mbit/s
95th percentile per-packet one-way delay: 86.338 ms
Loss rate: 2.30%

Run 10: Report of Copa — Data Link

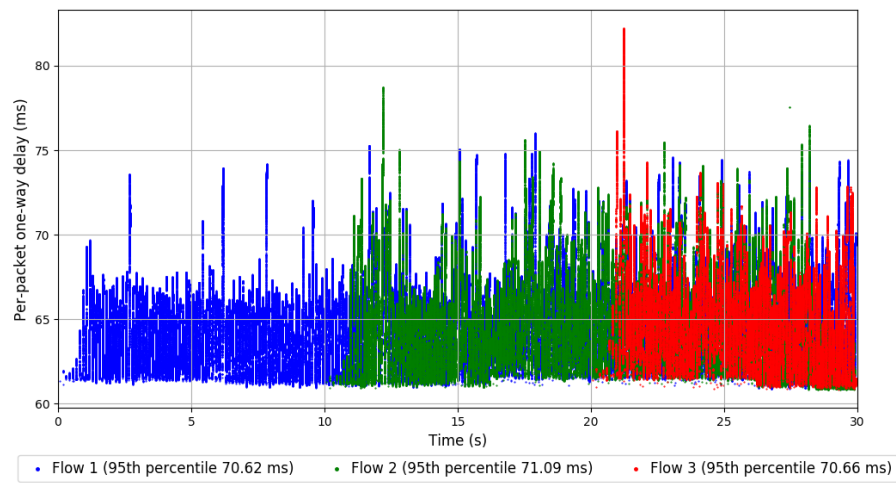
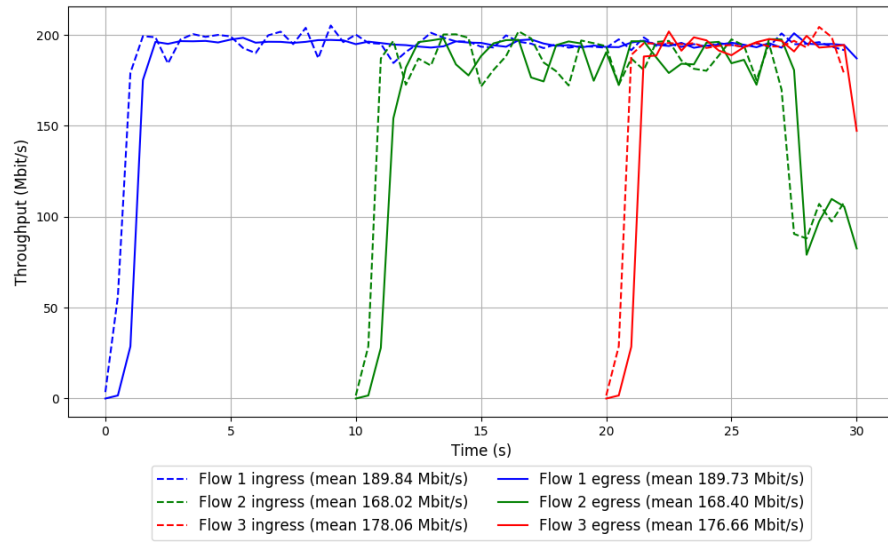


Run 1: Statistics of TCP Cubic

Start at: 2018-08-02 20:18:23
End at: 2018-08-02 20:18:53
Local clock offset: -0.157 ms
Remote clock offset: -0.283 ms

Below is generated by plot.py at 2018-08-03 01:38:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 359.89 Mbit/s
95th percentile per-packet one-way delay: 70.789 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 189.73 Mbit/s
95th percentile per-packet one-way delay: 70.624 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 168.40 Mbit/s
95th percentile per-packet one-way delay: 71.094 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 176.66 Mbit/s
95th percentile per-packet one-way delay: 70.658 ms
Loss rate: 1.32%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-08-02 20:45:03

End at: 2018-08-02 20:45:33

Local clock offset: -0.036 ms

Remote clock offset: 0.148 ms

Below is generated by plot.py at 2018-08-03 01:38:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 370.91 Mbit/s

95th percentile per-packet one-way delay: 70.784 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 188.91 Mbit/s

95th percentile per-packet one-way delay: 70.298 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 185.93 Mbit/s

95th percentile per-packet one-way delay: 71.217 ms

Loss rate: 0.65%

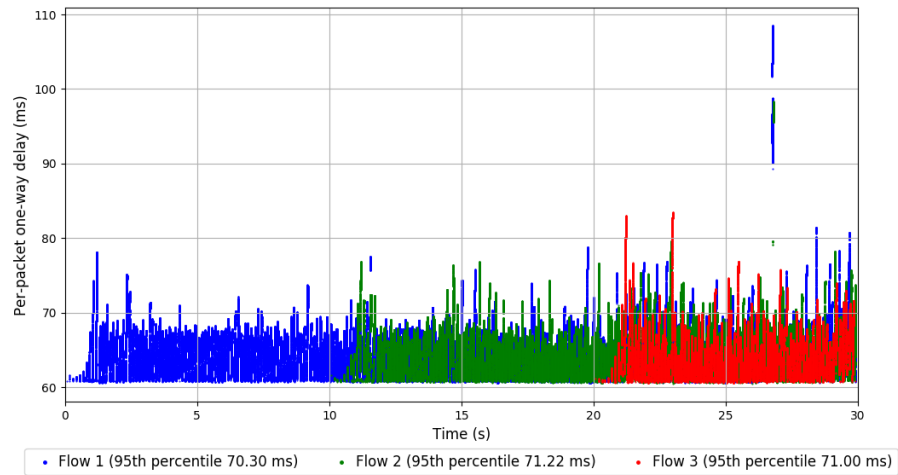
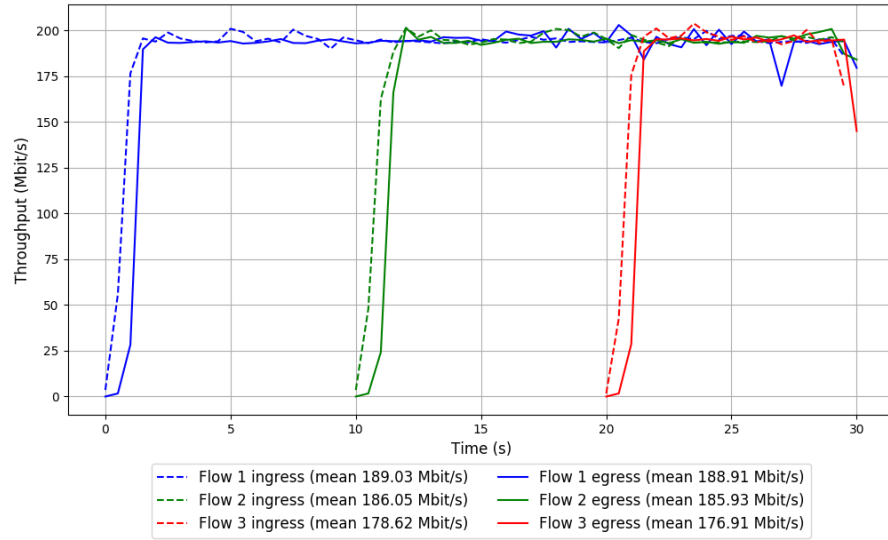
-- Flow 3:

Average throughput: 176.91 Mbit/s

95th percentile per-packet one-way delay: 70.999 ms

Loss rate: 1.36%

Run 2: Report of TCP Cubic — Data Link

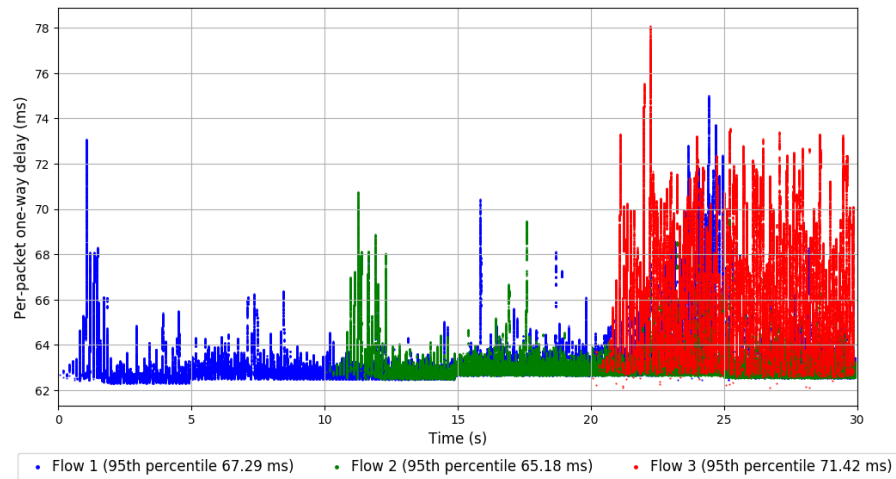
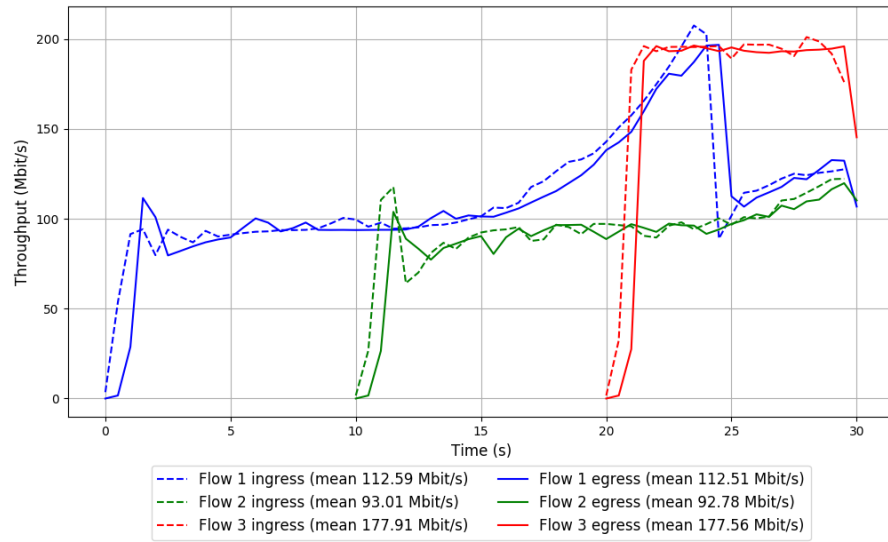


Run 3: Statistics of TCP Cubic

Start at: 2018-08-02 21:11:44
End at: 2018-08-02 21:12:14
Local clock offset: -0.022 ms
Remote clock offset: -1.481 ms

Below is generated by plot.py at 2018-08-03 01:38:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 232.25 Mbit/s
95th percentile per-packet one-way delay: 69.610 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 112.51 Mbit/s
95th percentile per-packet one-way delay: 67.292 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: 65.176 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 177.56 Mbit/s
95th percentile per-packet one-way delay: 71.424 ms
Loss rate: 1.40%

Run 3: Report of TCP Cubic — Data Link

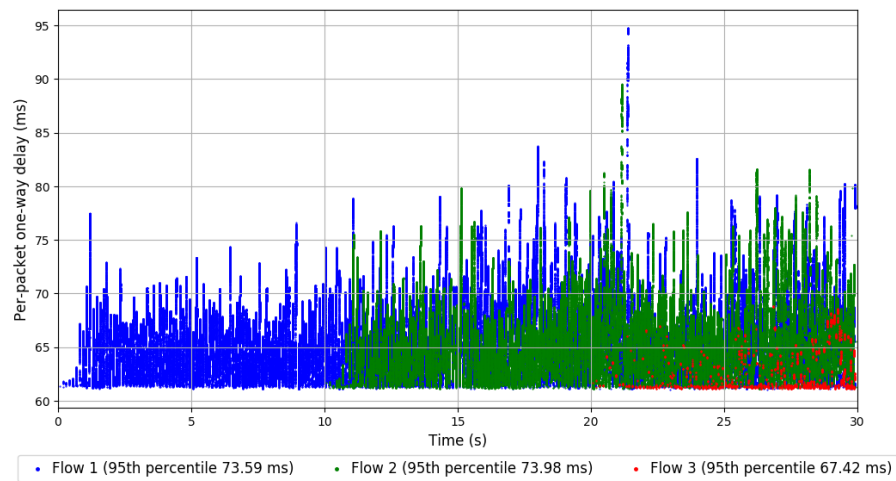
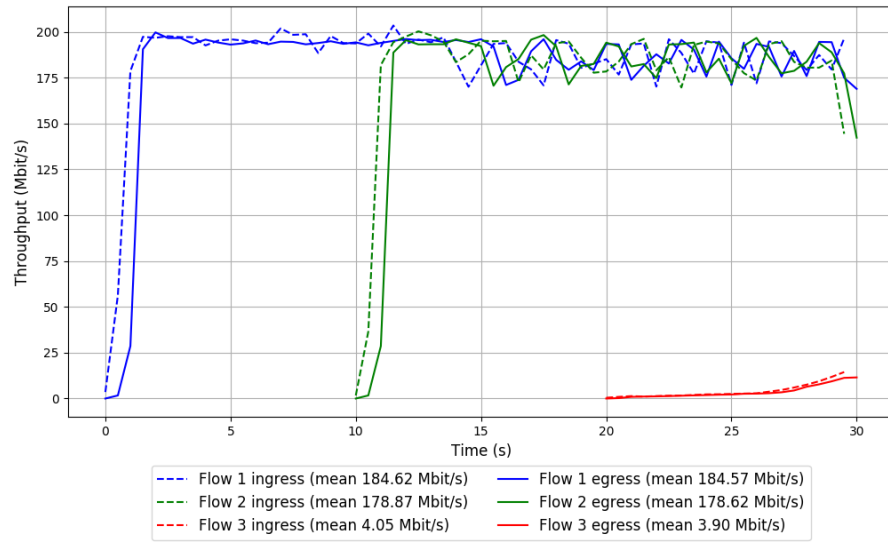


Run 4: Statistics of TCP Cubic

Start at: 2018-08-02 21:38:26
End at: 2018-08-02 21:38:56
Local clock offset: -0.066 ms
Remote clock offset: -0.252 ms

Below is generated by plot.py at 2018-08-03 01:38:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 304.56 Mbit/s
95th percentile per-packet one-way delay: 73.694 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 184.57 Mbit/s
95th percentile per-packet one-way delay: 73.586 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 178.62 Mbit/s
95th percentile per-packet one-way delay: 73.979 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 67.422 ms
Loss rate: 5.06%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-02 22:05:08

End at: 2018-08-02 22:05:39

Local clock offset: -0.12 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-08-03 01:38:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 360.82 Mbit/s

95th percentile per-packet one-way delay: 72.003 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 187.84 Mbit/s

95th percentile per-packet one-way delay: 72.797 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 177.51 Mbit/s

95th percentile per-packet one-way delay: 71.034 ms

Loss rate: 0.47%

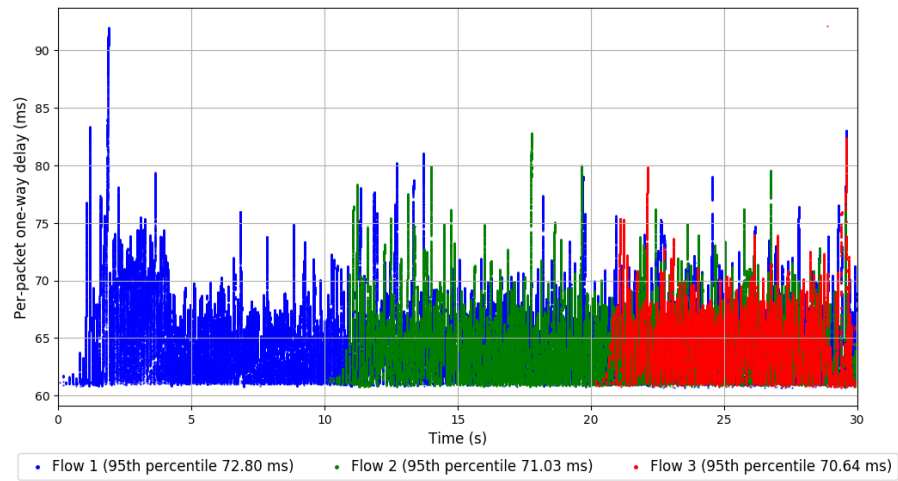
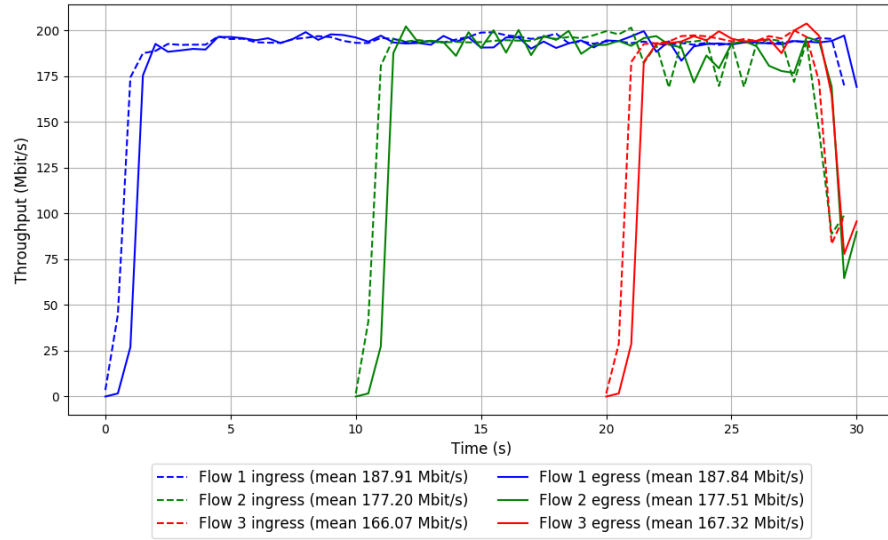
-- Flow 3:

Average throughput: 167.32 Mbit/s

95th percentile per-packet one-way delay: 70.645 ms

Loss rate: 0.49%

Run 5: Report of TCP Cubic — Data Link

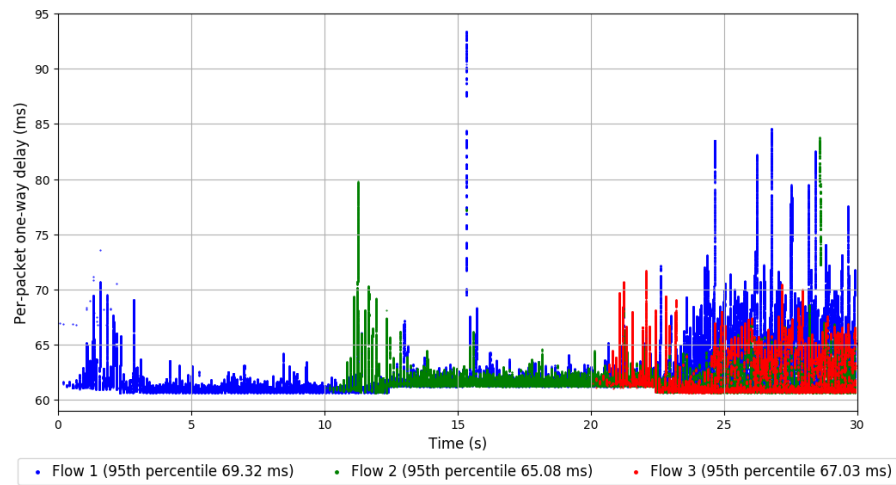
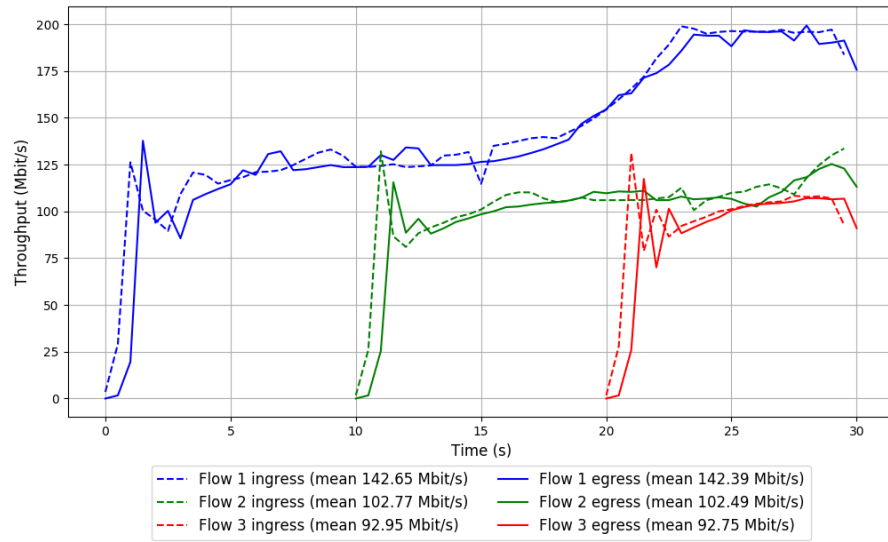


Run 6: Statistics of TCP Cubic

Start at: 2018-08-02 22:31:17
End at: 2018-08-02 22:31:47
Local clock offset: -0.088 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-08-03 01:38:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 241.13 Mbit/s
95th percentile per-packet one-way delay: 68.330 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 142.39 Mbit/s
95th percentile per-packet one-way delay: 69.319 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 102.49 Mbit/s
95th percentile per-packet one-way delay: 65.079 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 92.75 Mbit/s
95th percentile per-packet one-way delay: 67.030 ms
Loss rate: 1.44%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-08-02 22:57:00

End at: 2018-08-02 22:57:30

Local clock offset: -0.116 ms

Remote clock offset: 1.23 ms

Below is generated by plot.py at 2018-08-03 01:38:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 231.58 Mbit/s

95th percentile per-packet one-way delay: 69.072 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 150.87 Mbit/s

95th percentile per-packet one-way delay: 69.908 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 120.02 Mbit/s

95th percentile per-packet one-way delay: 64.593 ms

Loss rate: 0.83%

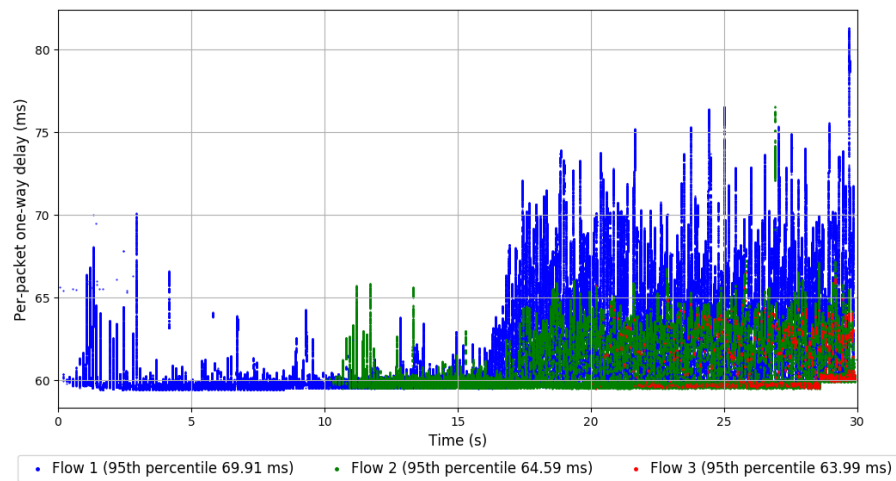
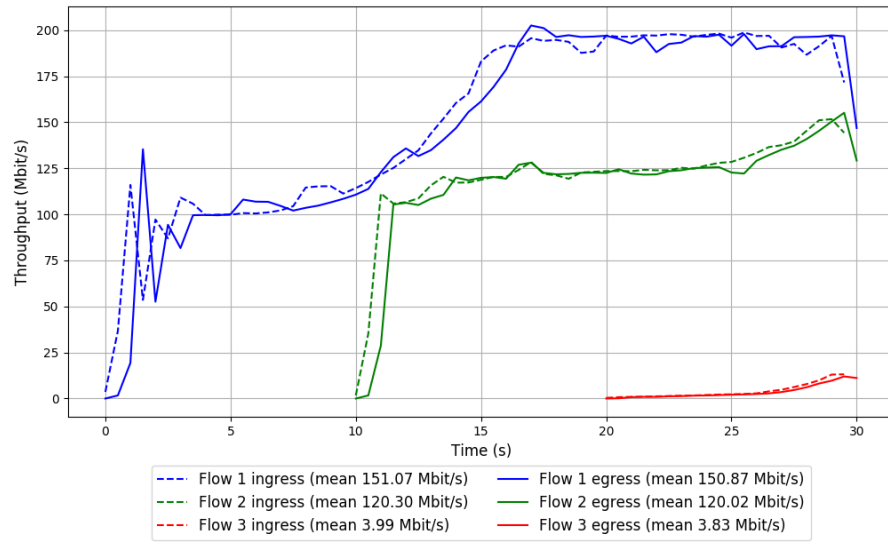
-- Flow 3:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 63.994 ms

Loss rate: 5.23%

Run 7: Report of TCP Cubic — Data Link

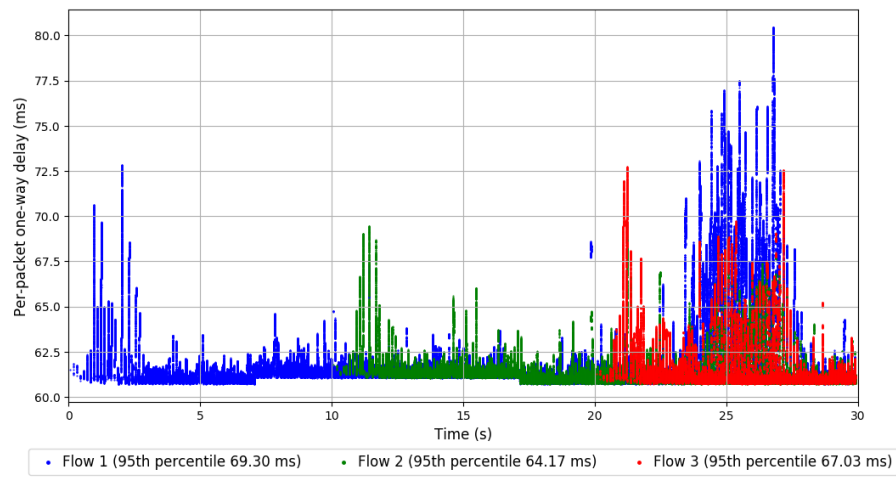
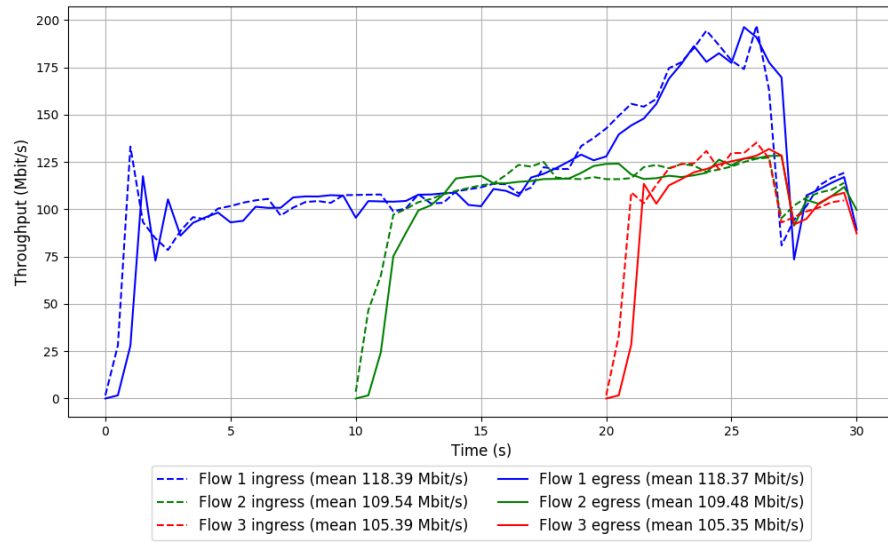


Run 8: Statistics of TCP Cubic

Start at: 2018-08-02 23:23:22
End at: 2018-08-02 23:23:52
Local clock offset: 0.049 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-08-03 01:38:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 225.84 Mbit/s
95th percentile per-packet one-way delay: 67.547 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 118.37 Mbit/s
95th percentile per-packet one-way delay: 69.299 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 109.48 Mbit/s
95th percentile per-packet one-way delay: 64.171 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 105.35 Mbit/s
95th percentile per-packet one-way delay: 67.025 ms
Loss rate: 1.27%

Run 8: Report of TCP Cubic — Data Link

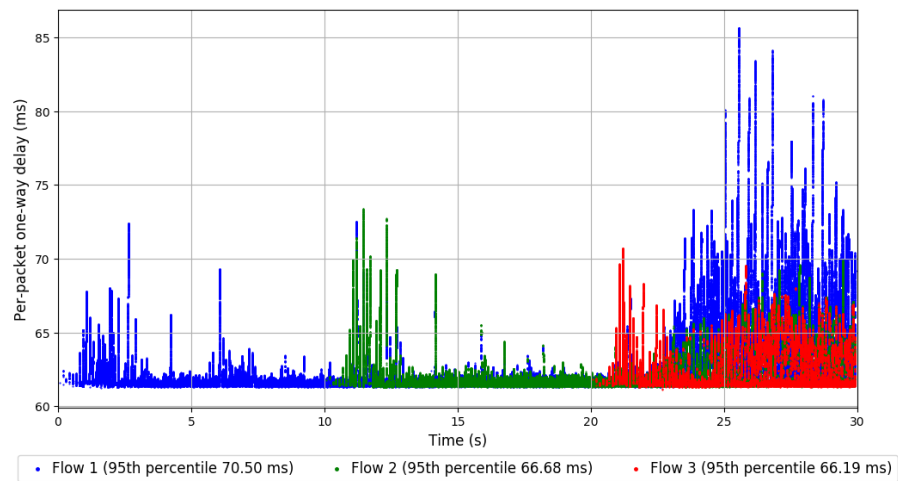
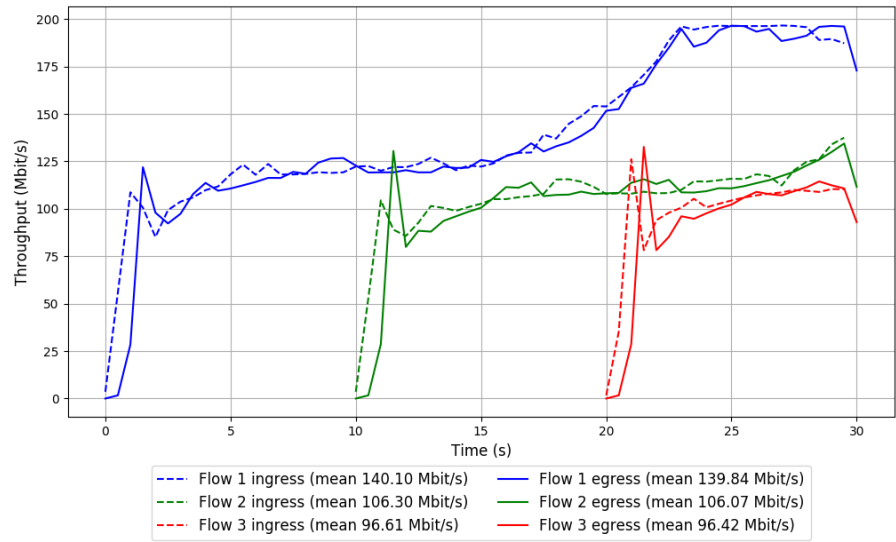


Run 9: Statistics of TCP Cubic

Start at: 2018-08-02 23:49:49
End at: 2018-08-02 23:50:19
Local clock offset: -0.044 ms
Remote clock offset: -0.441 ms

Below is generated by plot.py at 2018-08-03 01:38:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 242.13 Mbit/s
95th percentile per-packet one-way delay: 68.976 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 139.84 Mbit/s
95th percentile per-packet one-way delay: 70.497 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 106.07 Mbit/s
95th percentile per-packet one-way delay: 66.683 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: 66.185 ms
Loss rate: 1.43%

Run 9: Report of TCP Cubic — Data Link

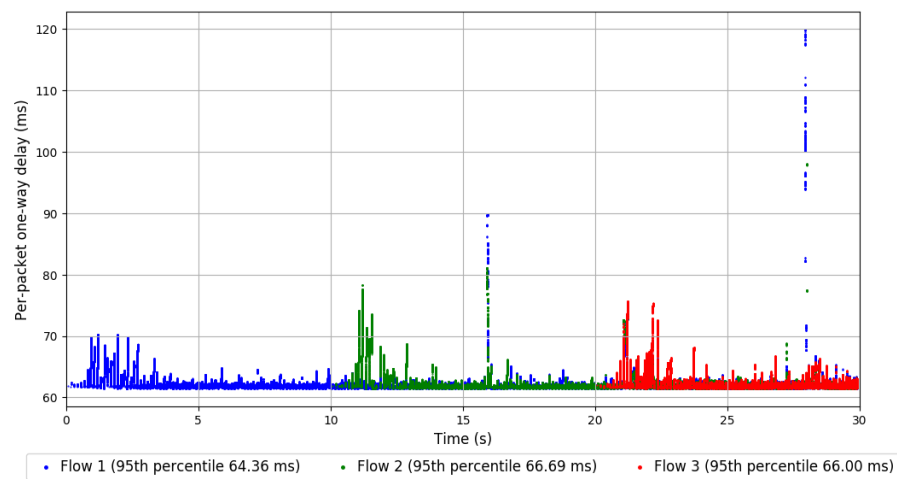
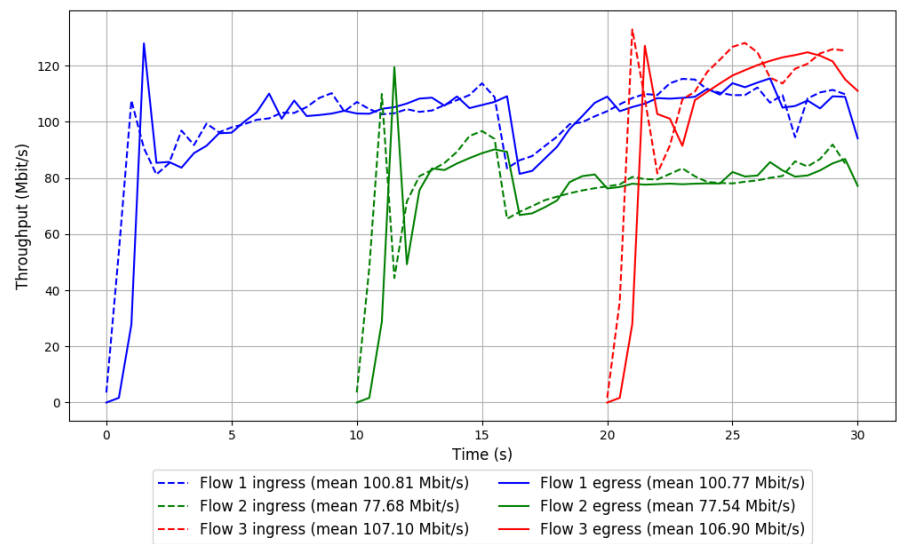


Run 10: Statistics of TCP Cubic

Start at: 2018-08-03 00:16:14
End at: 2018-08-03 00:16:44
Local clock offset: -0.007 ms
Remote clock offset: -0.566 ms

Below is generated by plot.py at 2018-08-03 01:38:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 187.54 Mbit/s
95th percentile per-packet one-way delay: 65.217 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 100.77 Mbit/s
95th percentile per-packet one-way delay: 64.363 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 77.54 Mbit/s
95th percentile per-packet one-way delay: 66.695 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 106.90 Mbit/s
95th percentile per-packet one-way delay: 65.999 ms
Loss rate: 1.47%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-08-02 20:37:41

End at: 2018-08-02 20:38:11

Local clock offset: -0.07 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-08-03 02:03:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 1415.90 Mbit/s

95th percentile per-packet one-way delay: 148.634 ms

Loss rate: 5.77%

-- Flow 1:

Average throughput: 708.25 Mbit/s

95th percentile per-packet one-way delay: 155.854 ms

Loss rate: 7.36%

-- Flow 2:

Average throughput: 726.76 Mbit/s

95th percentile per-packet one-way delay: 137.917 ms

Loss rate: 4.85%

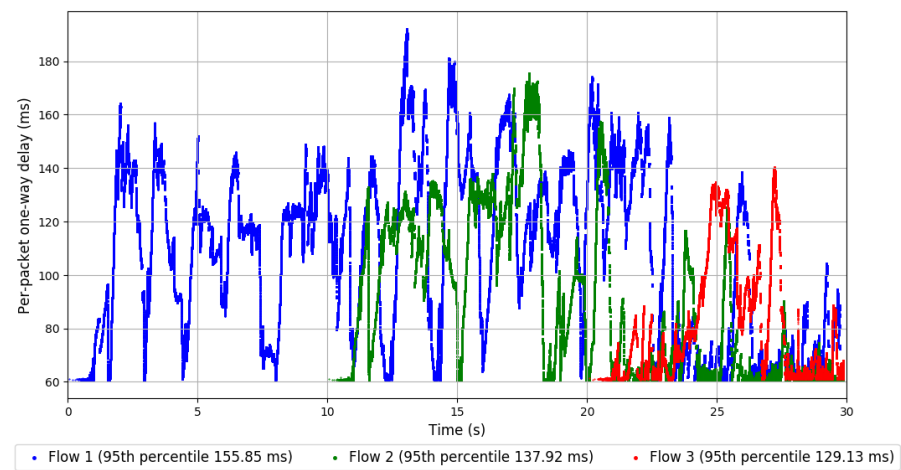
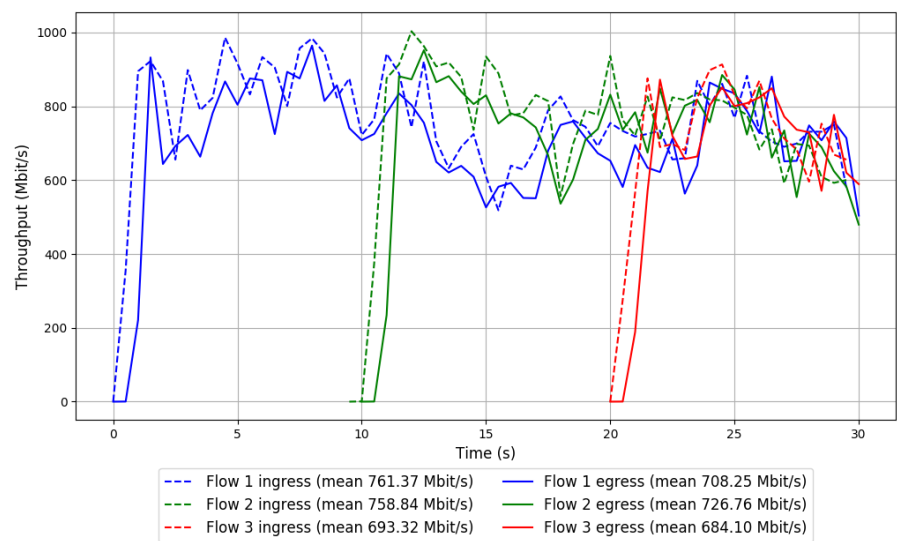
-- Flow 3:

Average throughput: 684.10 Mbit/s

95th percentile per-packet one-way delay: 129.132 ms

Loss rate: 2.53%

Run 1: Report of FillP — Data Link

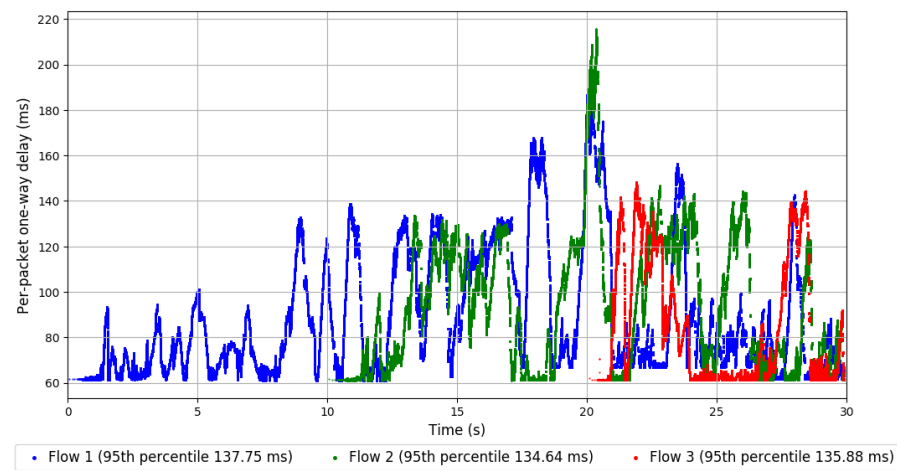
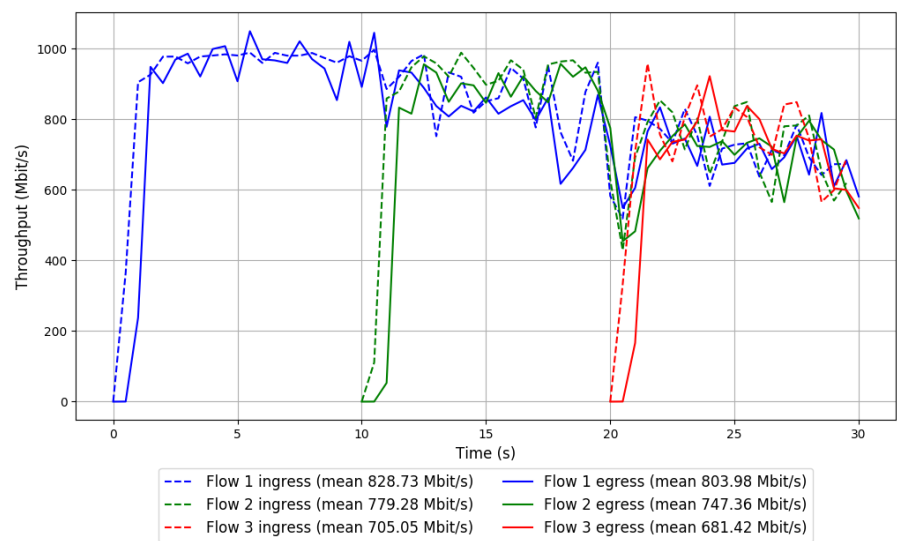


Run 2: Statistics of FillP

Start at: 2018-08-02 21:04:32
End at: 2018-08-02 21:05:02
Local clock offset: -0.018 ms
Remote clock offset: -0.268 ms

Below is generated by plot.py at 2018-08-03 02:07:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1524.56 Mbit/s
95th percentile per-packet one-way delay: 135.825 ms
Loss rate: 4.00%
-- Flow 1:
Average throughput: 803.98 Mbit/s
95th percentile per-packet one-way delay: 137.748 ms
Loss rate: 3.39%
-- Flow 2:
Average throughput: 747.36 Mbit/s
95th percentile per-packet one-way delay: 134.641 ms
Loss rate: 4.72%
-- Flow 3:
Average throughput: 681.42 Mbit/s
95th percentile per-packet one-way delay: 135.883 ms
Loss rate: 4.55%

Run 2: Report of FillP — Data Link

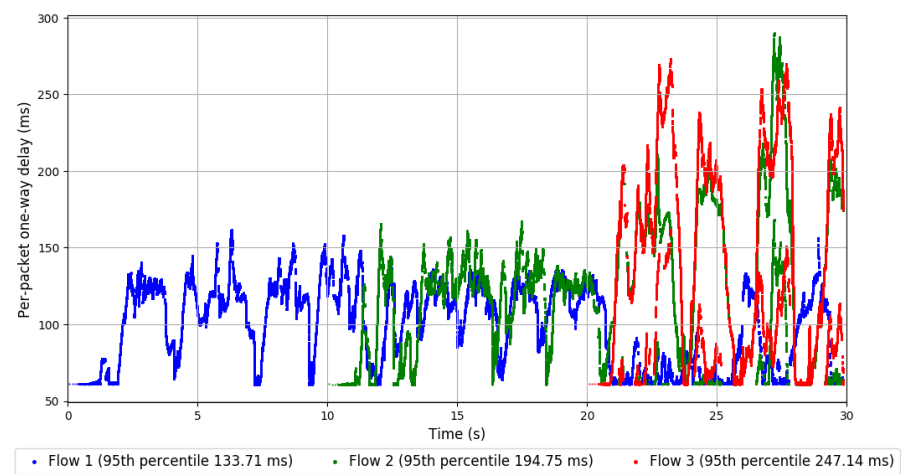
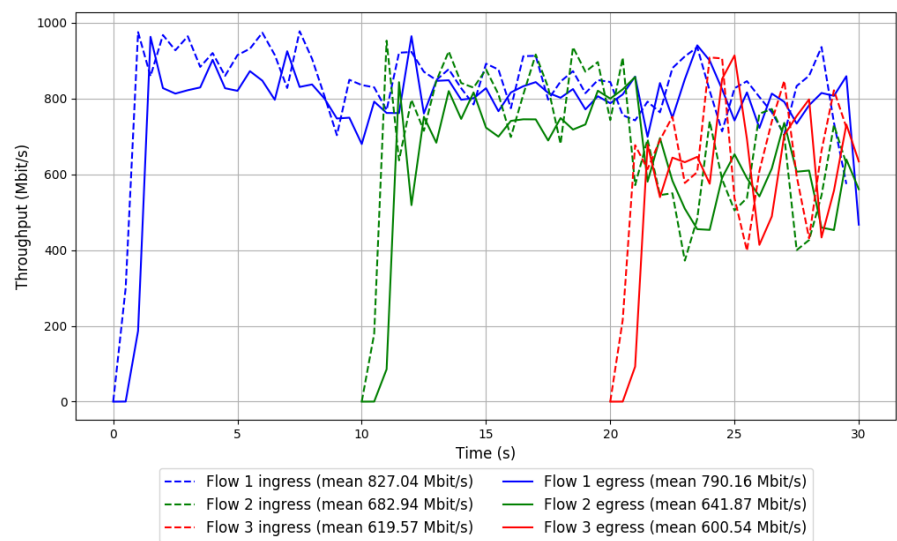


Run 3: Statistics of FillP

Start at: 2018-08-02 21:31:07
End at: 2018-08-02 21:31:37
Local clock offset: -0.081 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-08-03 02:07:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1414.17 Mbit/s
95th percentile per-packet one-way delay: 200.968 ms
Loss rate: 5.33%
-- Flow 1:
Average throughput: 790.16 Mbit/s
95th percentile per-packet one-way delay: 133.709 ms
Loss rate: 4.87%
-- Flow 2:
Average throughput: 641.87 Mbit/s
95th percentile per-packet one-way delay: 194.748 ms
Loss rate: 6.62%
-- Flow 3:
Average throughput: 600.54 Mbit/s
95th percentile per-packet one-way delay: 247.143 ms
Loss rate: 4.31%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-08-02 21:57:51

End at: 2018-08-02 21:58:21

Local clock offset: -0.079 ms

Remote clock offset: 1.323 ms

Below is generated by plot.py at 2018-08-03 02:08:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 1490.88 Mbit/s

95th percentile per-packet one-way delay: 137.829 ms

Loss rate: 4.72%

-- Flow 1:

Average throughput: 815.05 Mbit/s

95th percentile per-packet one-way delay: 129.519 ms

Loss rate: 2.96%

-- Flow 2:

Average throughput: 709.46 Mbit/s

95th percentile per-packet one-way delay: 150.293 ms

Loss rate: 6.50%

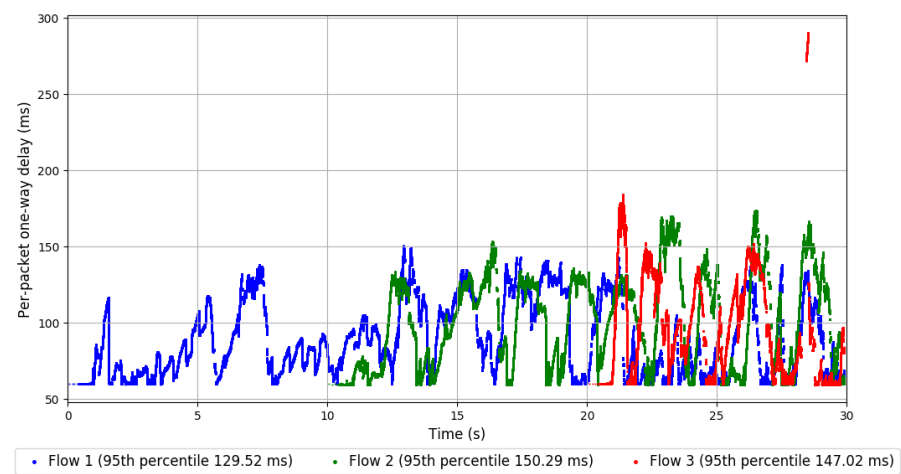
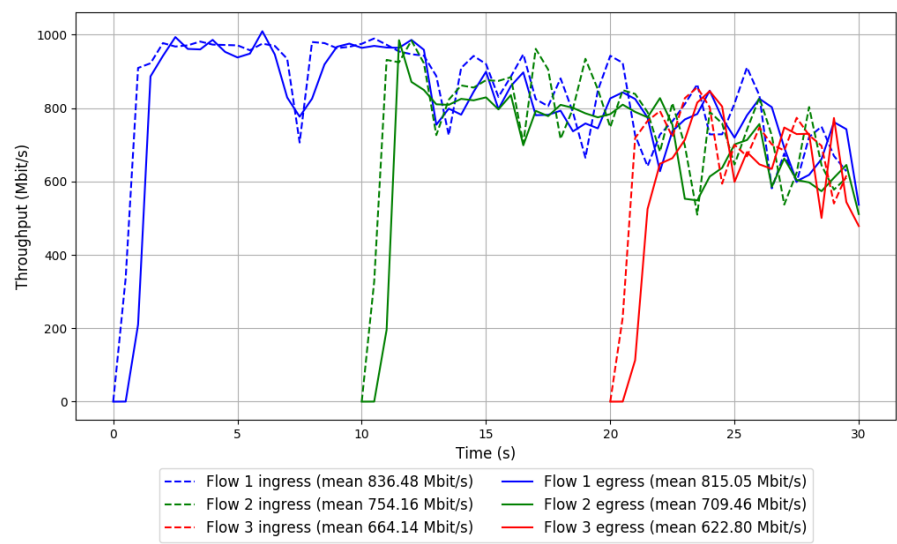
-- Flow 3:

Average throughput: 622.80 Mbit/s

95th percentile per-packet one-way delay: 147.018 ms

Loss rate: 7.36%

Run 4: Report of FillP — Data Link

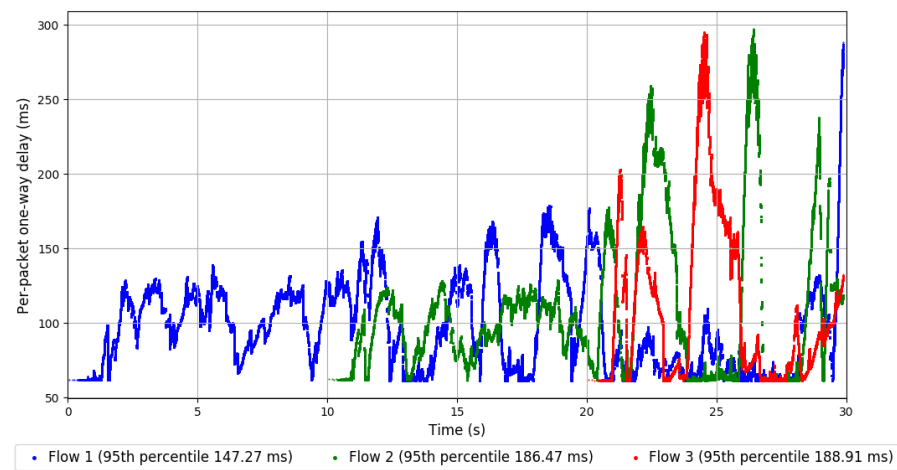
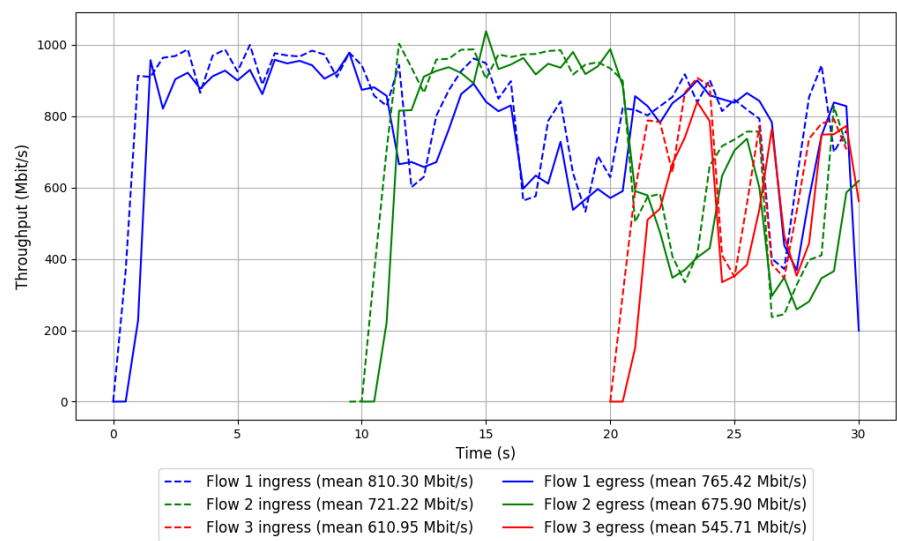


Run 5: Statistics of FillP

Start at: 2018-08-02 22:24:29
End at: 2018-08-02 22:24:59
Local clock offset: -0.076 ms
Remote clock offset: -0.508 ms

Below is generated by plot.py at 2018-08-03 02:08:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 1394.16 Mbit/s
95th percentile per-packet one-way delay: 158.956 ms
Loss rate: 7.02%
-- Flow 1:
Average throughput: 765.42 Mbit/s
95th percentile per-packet one-way delay: 147.269 ms
Loss rate: 5.93%
-- Flow 2:
Average throughput: 675.90 Mbit/s
95th percentile per-packet one-way delay: 186.467 ms
Loss rate: 6.86%
-- Flow 3:
Average throughput: 545.71 Mbit/s
95th percentile per-packet one-way delay: 188.908 ms
Loss rate: 11.78%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-02 22:50:12

End at: 2018-08-02 22:50:42

Local clock offset: -0.143 ms

Remote clock offset: 1.21 ms

Below is generated by plot.py at 2018-08-03 02:09:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 1526.82 Mbit/s

95th percentile per-packet one-way delay: 125.797 ms

Loss rate: 2.55%

-- Flow 1:

Average throughput: 819.08 Mbit/s

95th percentile per-packet one-way delay: 125.626 ms

Loss rate: 2.37%

-- Flow 2:

Average throughput: 763.99 Mbit/s

95th percentile per-packet one-way delay: 131.765 ms

Loss rate: 3.15%

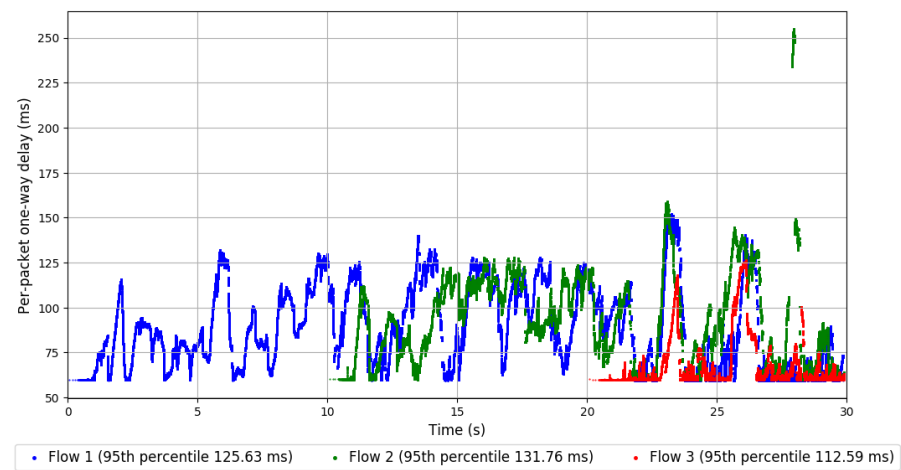
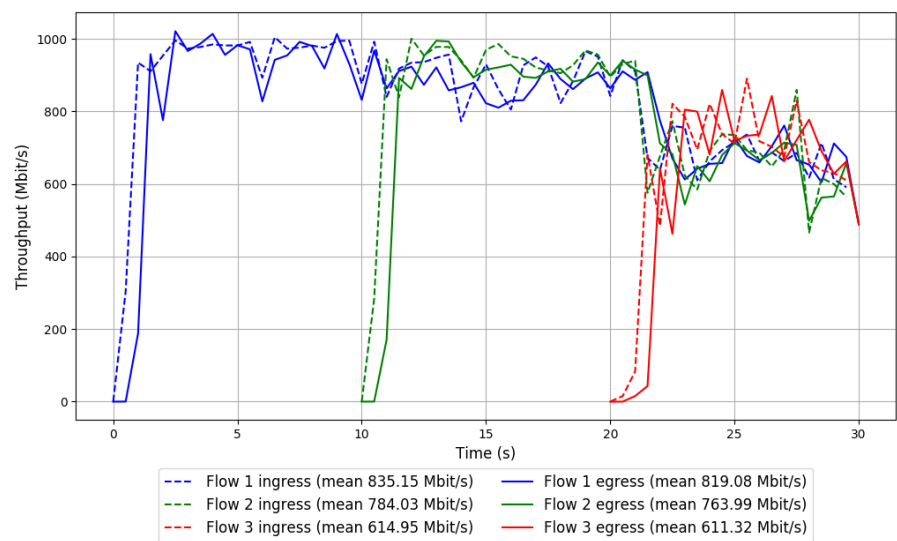
-- Flow 3:

Average throughput: 611.32 Mbit/s

95th percentile per-packet one-way delay: 112.591 ms

Loss rate: 1.79%

Run 6: Report of FillP — Data Link

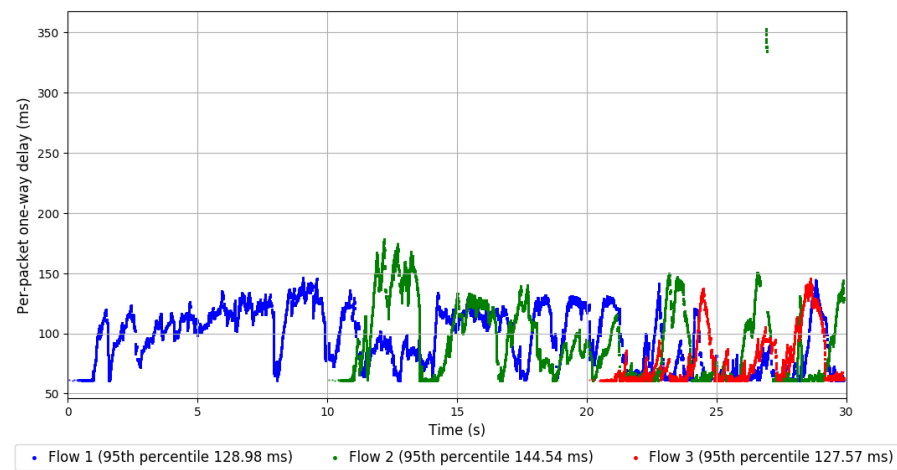
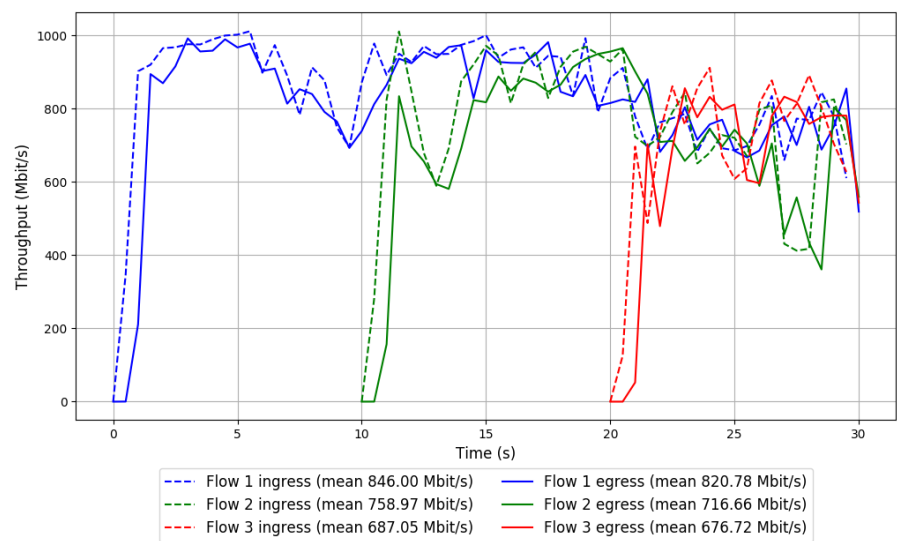


Run 7: Statistics of FillP

Start at: 2018-08-02 23:16:12
End at: 2018-08-02 23:16:42
Local clock offset: -0.035 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-08-03 02:09:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 1519.44 Mbit/s
95th percentile per-packet one-way delay: 133.209 ms
Loss rate: 4.18%
-- Flow 1:
Average throughput: 820.78 Mbit/s
95th percentile per-packet one-way delay: 128.978 ms
Loss rate: 3.38%
-- Flow 2:
Average throughput: 716.66 Mbit/s
95th percentile per-packet one-way delay: 144.536 ms
Loss rate: 6.16%
-- Flow 3:
Average throughput: 676.72 Mbit/s
95th percentile per-packet one-way delay: 127.567 ms
Loss rate: 2.75%

Run 7: Report of FillP — Data Link

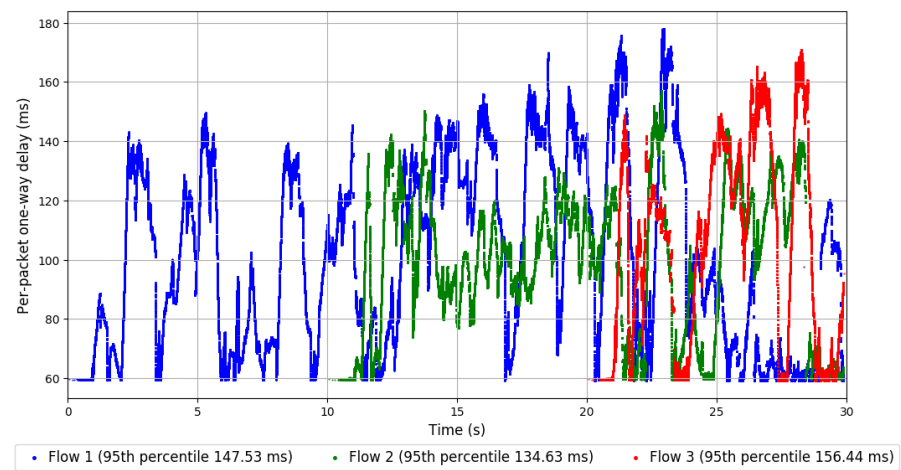
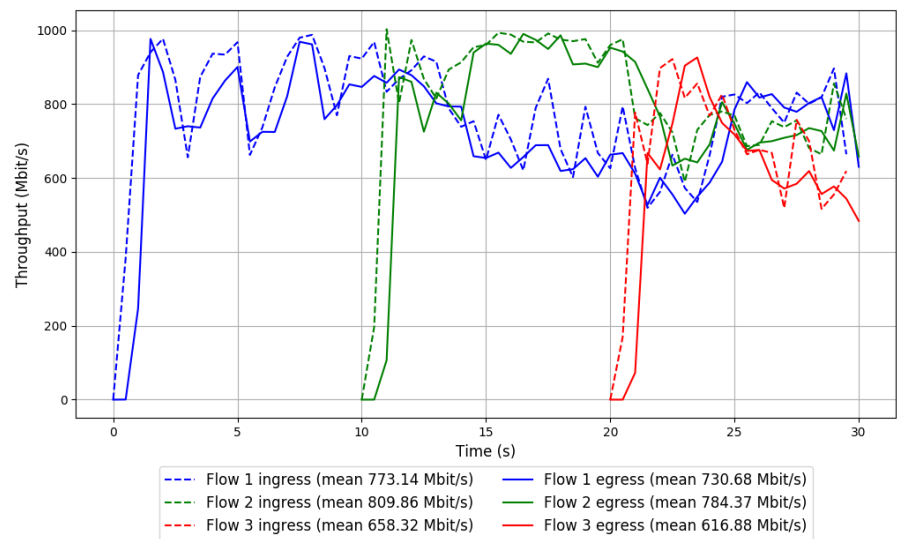


Run 8: Statistics of FillP

Start at: 2018-08-02 23:42:35
End at: 2018-08-02 23:43:05
Local clock offset: -0.044 ms
Remote clock offset: 1.405 ms

Below is generated by plot.py at 2018-08-03 02:11:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 1454.64 Mbit/s
95th percentile per-packet one-way delay: 145.646 ms
Loss rate: 5.35%
-- Flow 1:
Average throughput: 730.68 Mbit/s
95th percentile per-packet one-way delay: 147.528 ms
Loss rate: 5.87%
-- Flow 2:
Average throughput: 784.37 Mbit/s
95th percentile per-packet one-way delay: 134.626 ms
Loss rate: 3.74%
-- Flow 3:
Average throughput: 616.88 Mbit/s
95th percentile per-packet one-way delay: 156.443 ms
Loss rate: 7.43%

Run 8: Report of FillP — Data Link

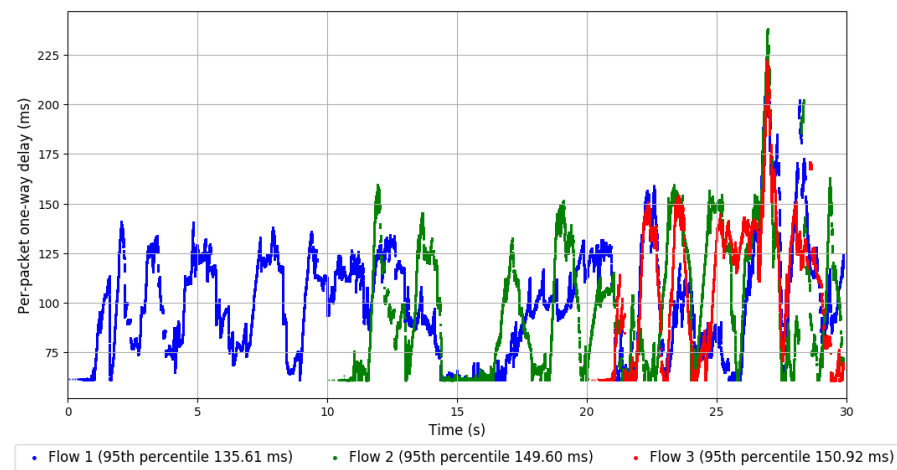
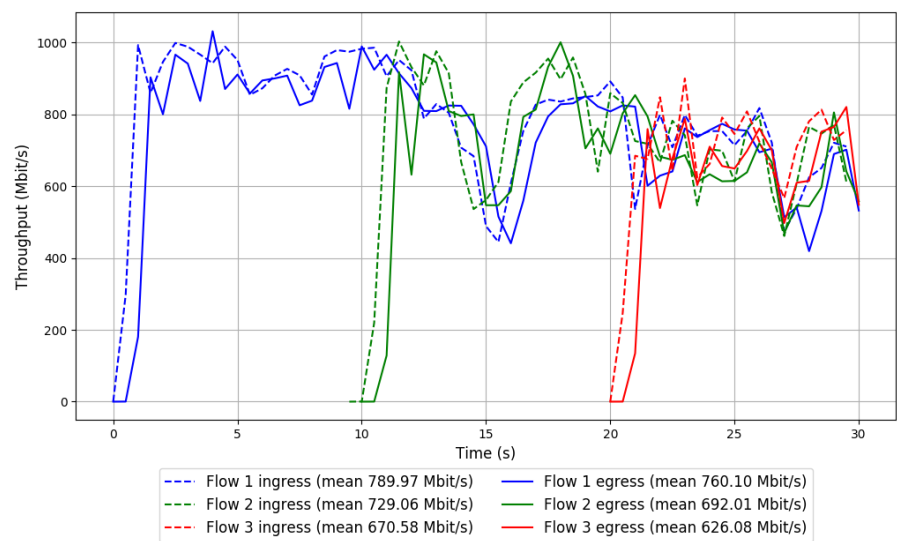


Run 9: Statistics of FillP

Start at: 2018-08-03 00:09:04
End at: 2018-08-03 00:09:34
Local clock offset: -0.014 ms
Remote clock offset: -0.295 ms

Below is generated by plot.py at 2018-08-03 02:36:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 1426.01 Mbit/s
95th percentile per-packet one-way delay: 147.385 ms
Loss rate: 5.32%
-- Flow 1:
Average throughput: 760.10 Mbit/s
95th percentile per-packet one-way delay: 135.607 ms
Loss rate: 4.26%
-- Flow 2:
Average throughput: 692.01 Mbit/s
95th percentile per-packet one-way delay: 149.597 ms
Loss rate: 5.79%
-- Flow 3:
Average throughput: 626.08 Mbit/s
95th percentile per-packet one-way delay: 150.920 ms
Loss rate: 8.04%

Run 9: Report of FillP — Data Link

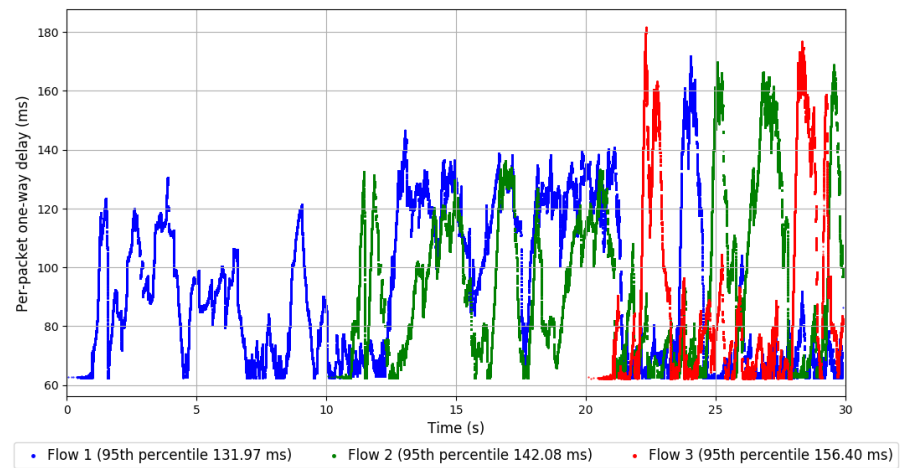
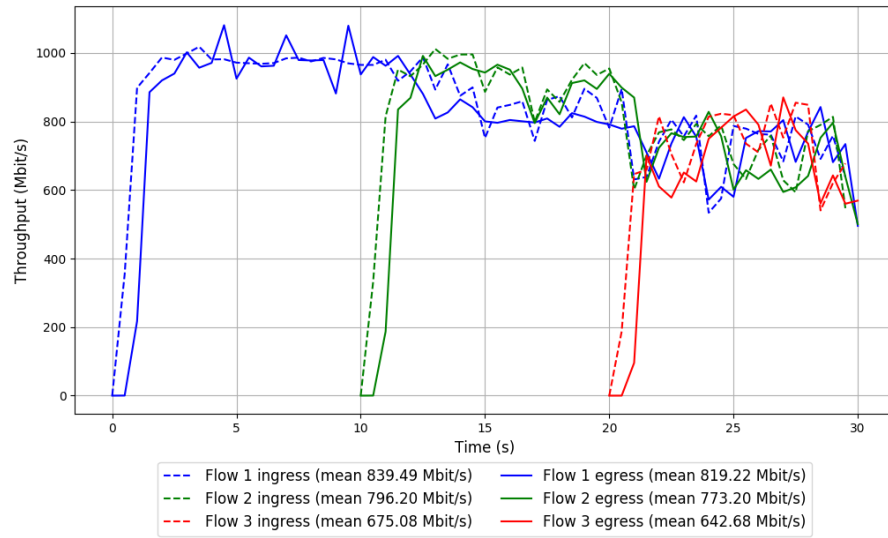


Run 10: Statistics of FillP

Start at: 2018-08-03 00:35:40
End at: 2018-08-03 00:36:10
Local clock offset: -0.033 ms
Remote clock offset: -1.639 ms

Below is generated by plot.py at 2018-08-03 02:41:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 1544.34 Mbit/s
95th percentile per-packet one-way delay: 135.887 ms
Loss rate: 3.47%
-- Flow 1:
Average throughput: 819.22 Mbit/s
95th percentile per-packet one-way delay: 131.971 ms
Loss rate: 2.80%
-- Flow 2:
Average throughput: 773.20 Mbit/s
95th percentile per-packet one-way delay: 142.081 ms
Loss rate: 3.49%
-- Flow 3:
Average throughput: 642.68 Mbit/s
95th percentile per-packet one-way delay: 156.399 ms
Loss rate: 5.97%

Run 10: Report of FillP — Data Link

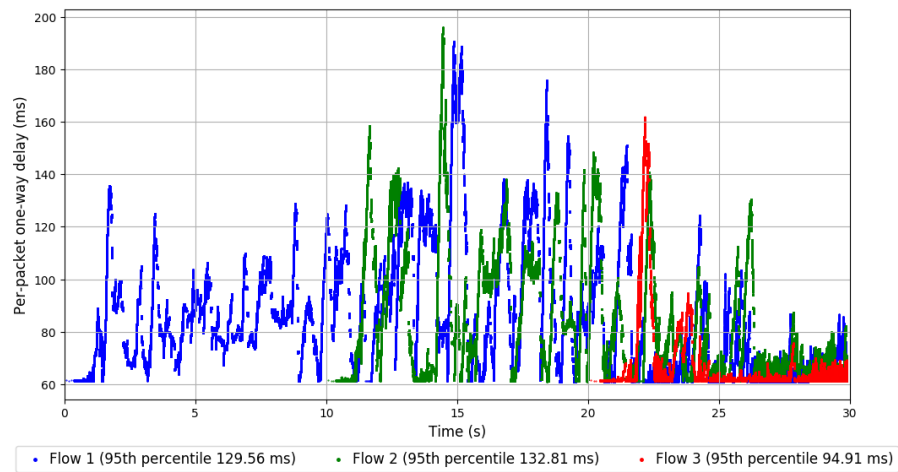
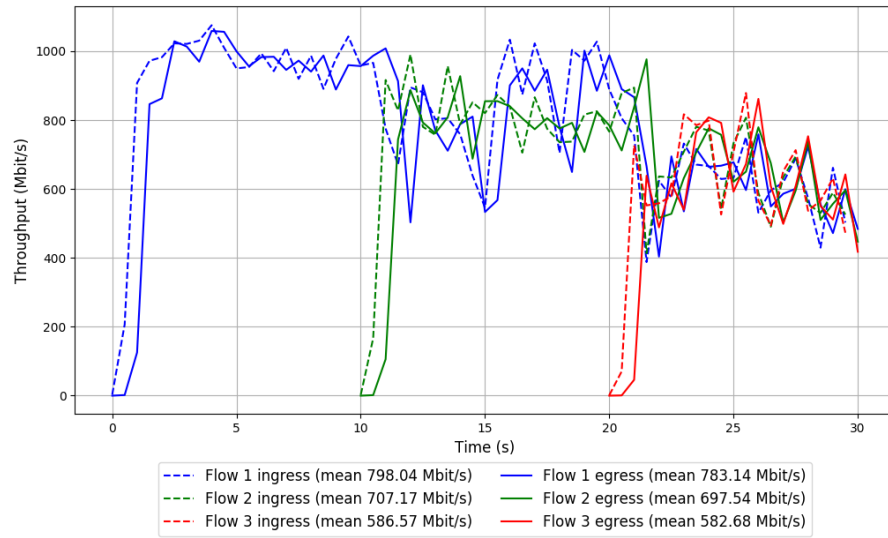


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-02 20:33:11
End at: 2018-08-02 20:33:41
Local clock offset: -0.028 ms
Remote clock offset: -0.333 ms

Below is generated by plot.py at 2018-08-03 02:41:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 1437.84 Mbit/s
95th percentile per-packet one-way delay: 129.730 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 783.14 Mbit/s
95th percentile per-packet one-way delay: 129.563 ms
Loss rate: 2.23%
-- Flow 2:
Average throughput: 697.54 Mbit/s
95th percentile per-packet one-way delay: 132.808 ms
Loss rate: 1.97%
-- Flow 3:
Average throughput: 582.68 Mbit/s
95th percentile per-packet one-way delay: 94.905 ms
Loss rate: 1.89%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-02 21:00:03

End at: 2018-08-02 21:00:33

Local clock offset: -0.056 ms

Remote clock offset: 0.968 ms

Below is generated by plot.py at 2018-08-03 02:41:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 1364.45 Mbit/s

95th percentile per-packet one-way delay: 162.206 ms

Loss rate: 2.94%

-- Flow 1:

Average throughput: 742.30 Mbit/s

95th percentile per-packet one-way delay: 160.552 ms

Loss rate: 2.83%

-- Flow 2:

Average throughput: 666.41 Mbit/s

95th percentile per-packet one-way delay: 184.259 ms

Loss rate: 3.32%

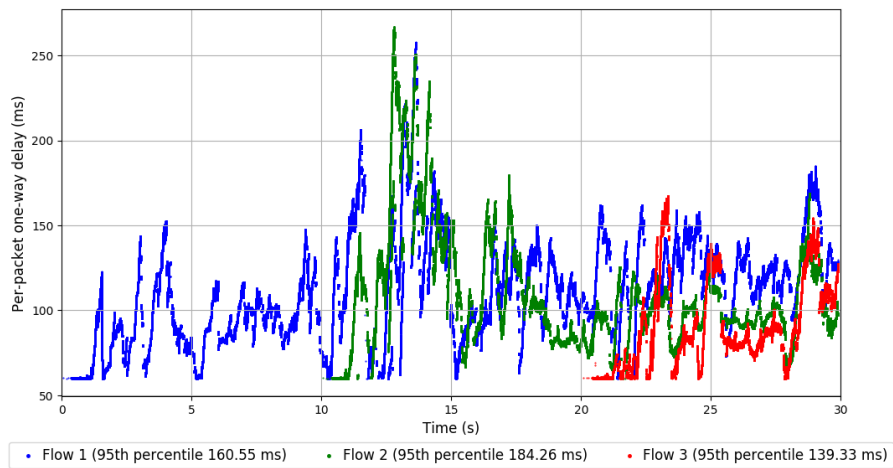
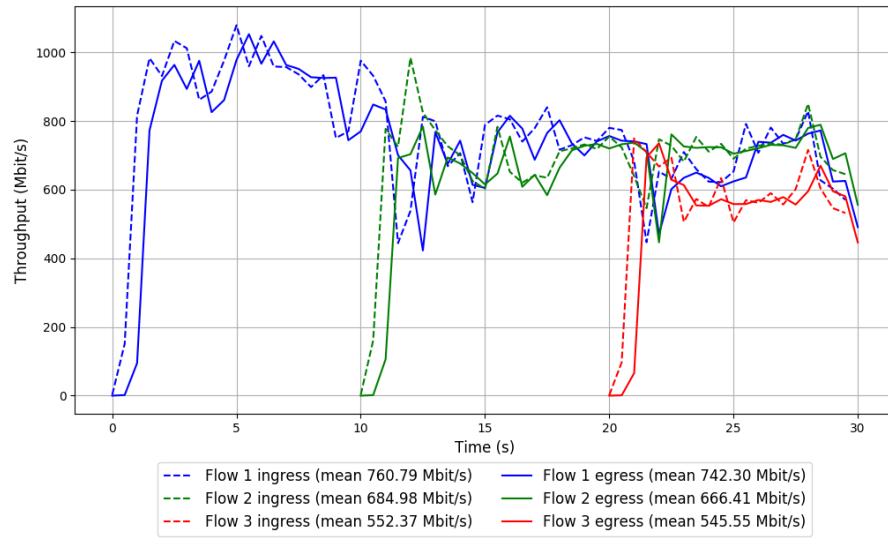
-- Flow 3:

Average throughput: 545.55 Mbit/s

95th percentile per-packet one-way delay: 139.327 ms

Loss rate: 2.47%

Run 2: Report of FillP-Sheep — Data Link

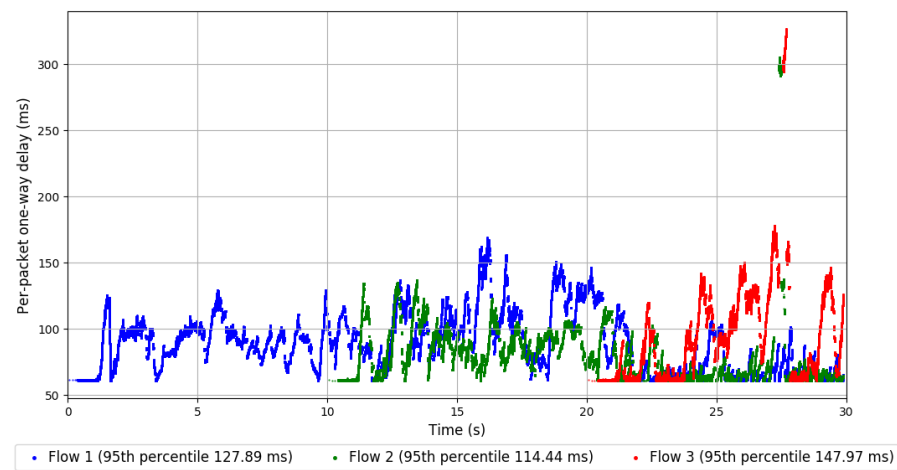
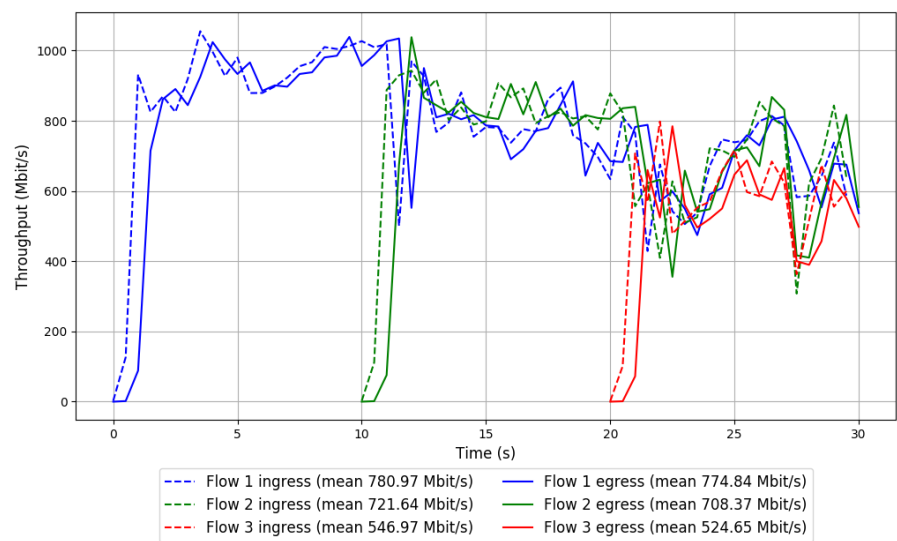


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-02 21:26:34
End at: 2018-08-02 21:27:04
Local clock offset: -0.039 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-08-03 02:41:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 1418.04 Mbit/s
95th percentile per-packet one-way delay: 128.804 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 774.84 Mbit/s
95th percentile per-packet one-way delay: 127.889 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 708.37 Mbit/s
95th percentile per-packet one-way delay: 114.442 ms
Loss rate: 2.46%
-- Flow 3:
Average throughput: 524.65 Mbit/s
95th percentile per-packet one-way delay: 147.970 ms
Loss rate: 5.31%

Run 3: Report of FillP-Sheep — Data Link

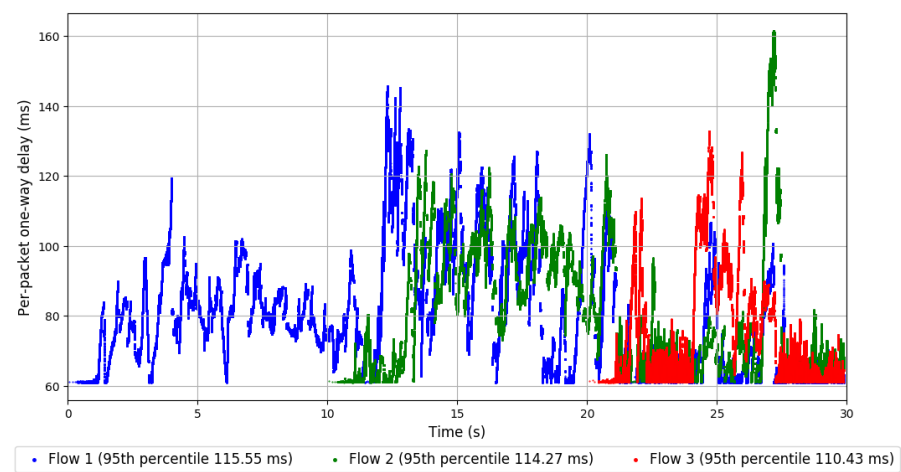
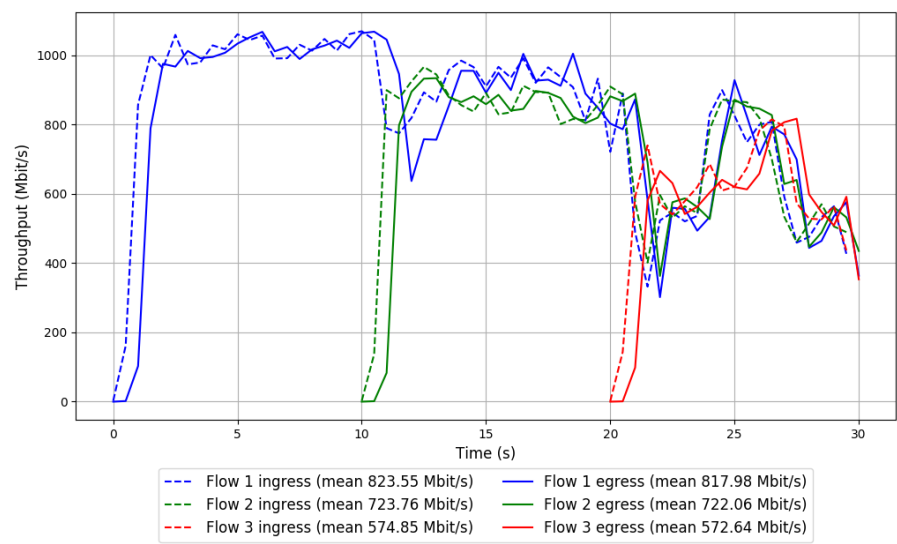


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-02 21:53:16
End at: 2018-08-02 21:53:46
Local clock offset: -0.13 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-08-03 02:42:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 1486.06 Mbit/s
95th percentile per-packet one-way delay: 114.568 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 817.98 Mbit/s
95th percentile per-packet one-way delay: 115.548 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 722.06 Mbit/s
95th percentile per-packet one-way delay: 114.270 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 572.64 Mbit/s
95th percentile per-packet one-way delay: 110.427 ms
Loss rate: 1.54%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-02 22:19:58

End at: 2018-08-02 22:20:28

Local clock offset: -0.123 ms

Remote clock offset: 1.218 ms

Below is generated by plot.py at 2018-08-03 02:42:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 1418.14 Mbit/s

95th percentile per-packet one-way delay: 127.100 ms

Loss rate: 1.80%

-- Flow 1:

Average throughput: 795.81 Mbit/s

95th percentile per-packet one-way delay: 116.501 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 638.85 Mbit/s

95th percentile per-packet one-way delay: 146.848 ms

Loss rate: 3.59%

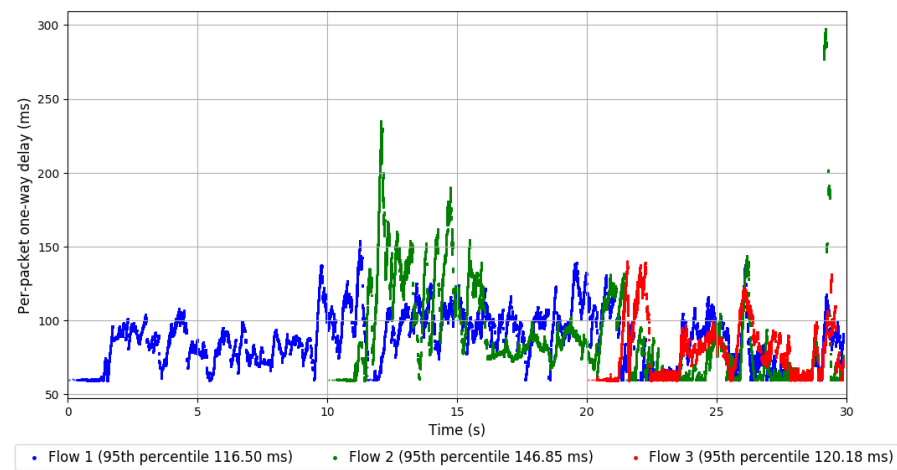
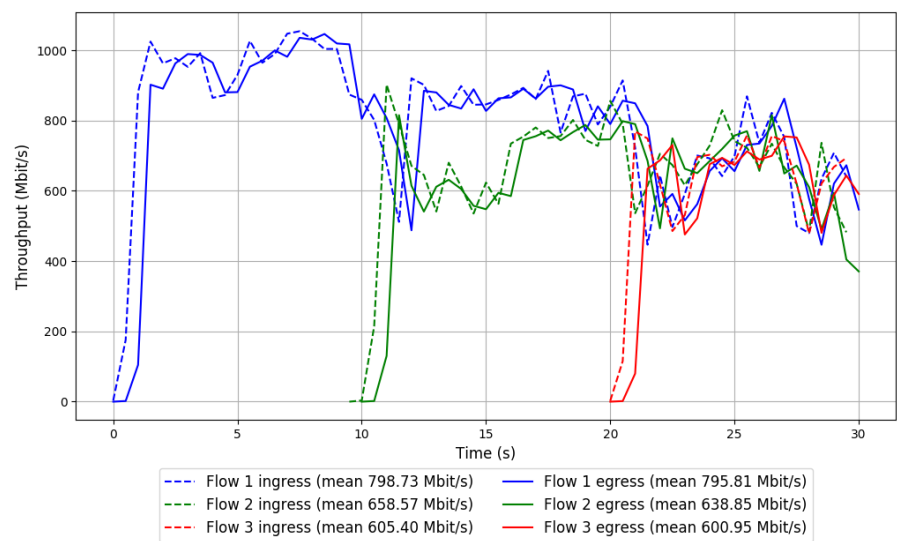
-- Flow 3:

Average throughput: 600.95 Mbit/s

95th percentile per-packet one-way delay: 120.179 ms

Loss rate: 1.98%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-02 22:45:38

End at: 2018-08-02 22:46:08

Local clock offset: -0.16 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-08-03 02:45:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 1483.08 Mbit/s

95th percentile per-packet one-way delay: 127.030 ms

Loss rate: 1.42%

-- Flow 1:

Average throughput: 793.30 Mbit/s

95th percentile per-packet one-way delay: 124.689 ms

Loss rate: 1.23%

-- Flow 2:

Average throughput: 764.77 Mbit/s

95th percentile per-packet one-way delay: 112.336 ms

Loss rate: 1.40%

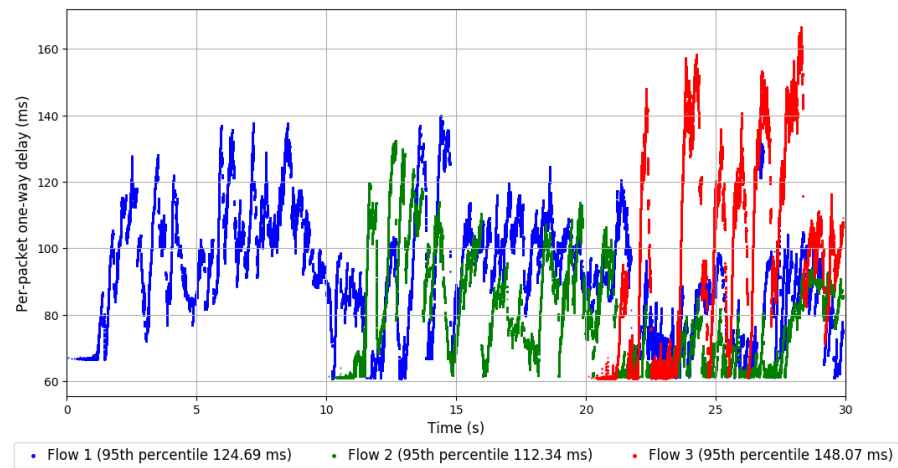
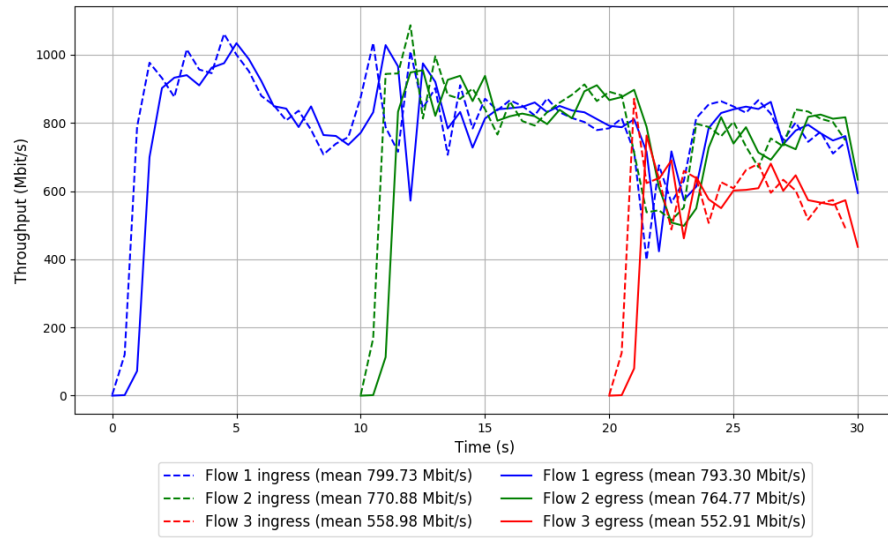
-- Flow 3:

Average throughput: 552.91 Mbit/s

95th percentile per-packet one-way delay: 148.067 ms

Loss rate: 2.29%

Run 6: Report of FillP-Sheep — Data Link

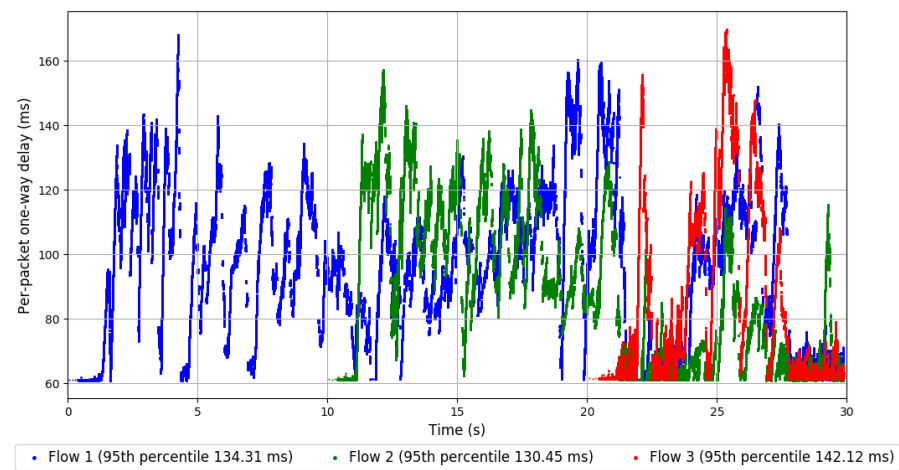
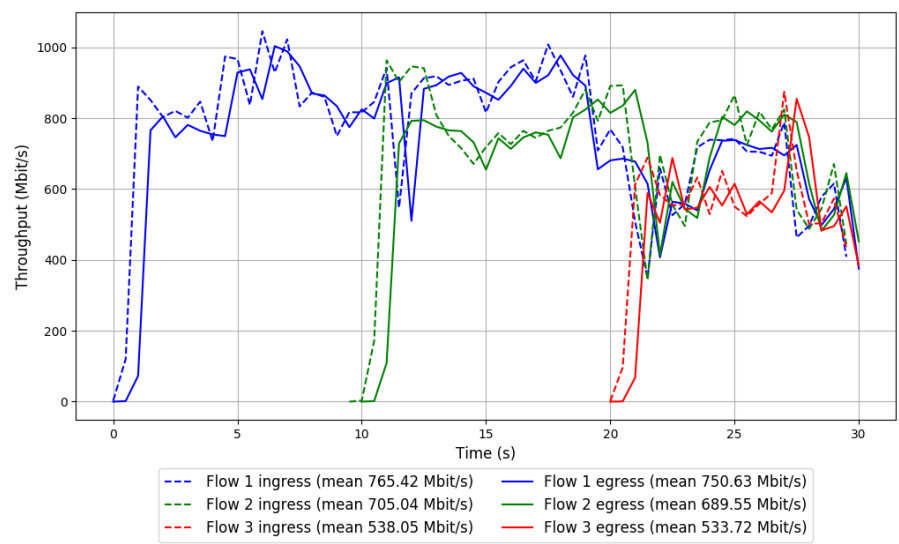


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-02 23:11:43
End at: 2018-08-02 23:12:13
Local clock offset: -0.001 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-08-03 03:10:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 1383.99 Mbit/s
95th percentile per-packet one-way delay: 134.159 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 750.63 Mbit/s
95th percentile per-packet one-way delay: 134.309 ms
Loss rate: 2.32%
-- Flow 2:
Average throughput: 689.55 Mbit/s
95th percentile per-packet one-way delay: 130.452 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 533.72 Mbit/s
95th percentile per-packet one-way delay: 142.115 ms
Loss rate: 2.02%

Run 7: Report of FillP-Sheep — Data Link

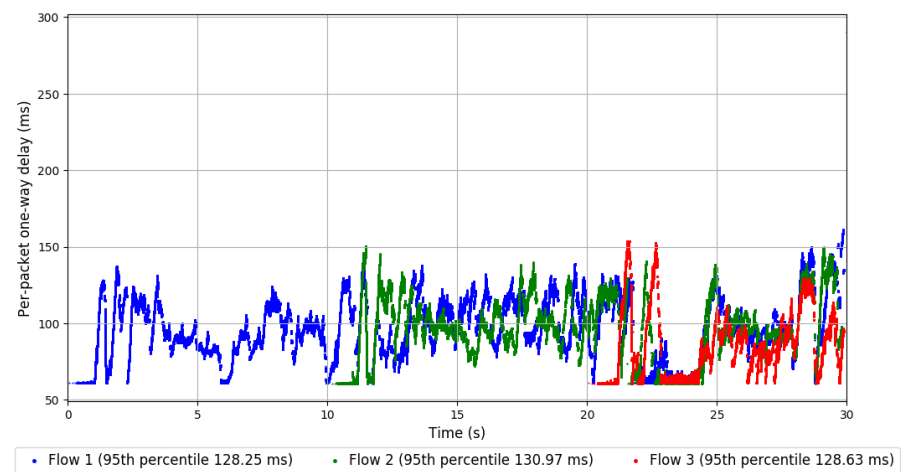
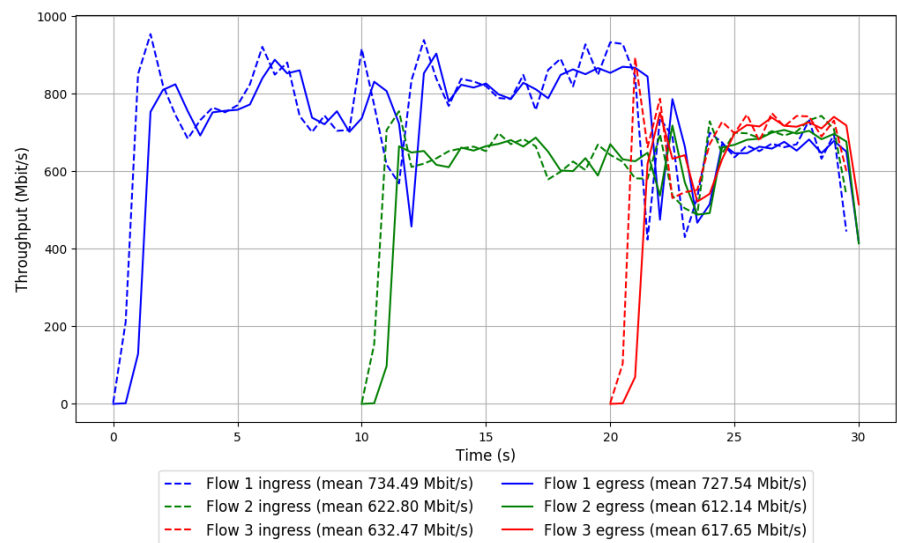


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-02 23:38:09
End at: 2018-08-02 23:38:39
Local clock offset: -0.023 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-08-03 03:10:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 1334.65 Mbit/s
95th percentile per-packet one-way delay: 129.362 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 727.54 Mbit/s
95th percentile per-packet one-way delay: 128.246 ms
Loss rate: 1.36%
-- Flow 2:
Average throughput: 612.14 Mbit/s
95th percentile per-packet one-way delay: 130.973 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 617.65 Mbit/s
95th percentile per-packet one-way delay: 128.627 ms
Loss rate: 3.54%

Run 8: Report of FillP-Sheep — Data Link

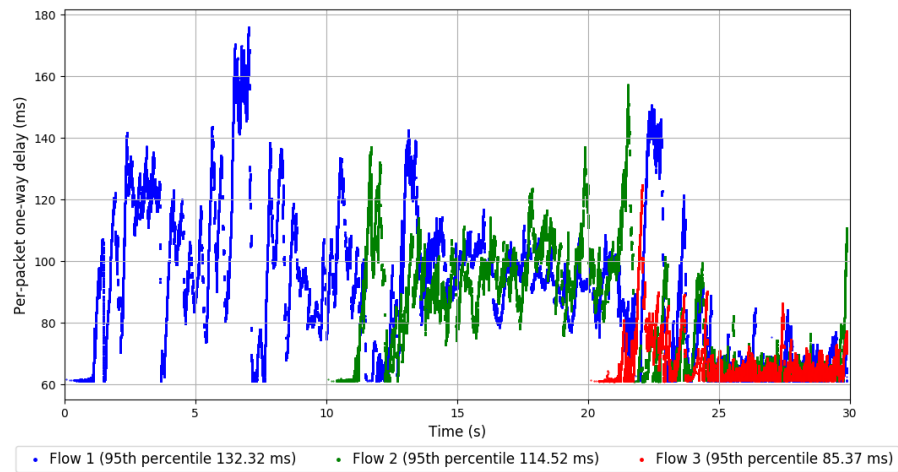
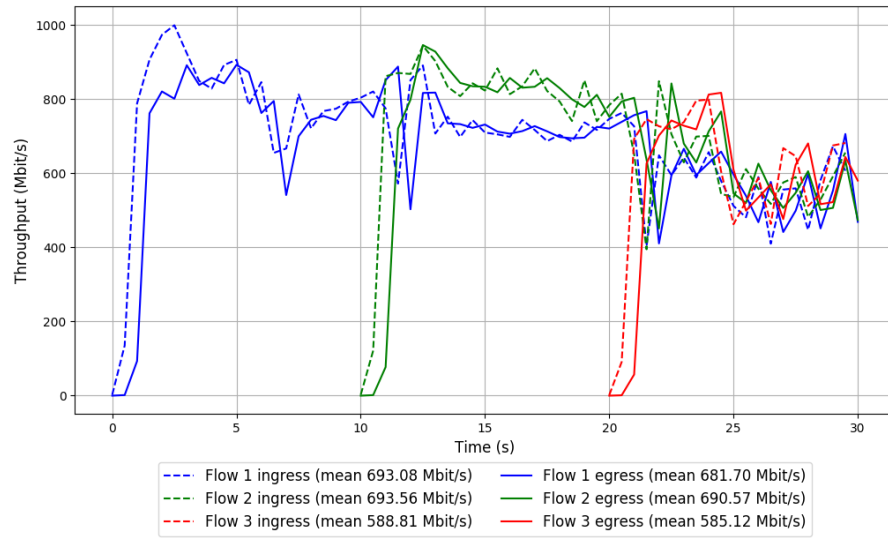


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-03 00:04:36
End at: 2018-08-03 00:05:06
Local clock offset: -0.039 ms
Remote clock offset: -0.284 ms

Below is generated by plot.py at 2018-08-03 03:11:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 1332.70 Mbit/s
95th percentile per-packet one-way delay: 125.491 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 681.70 Mbit/s
95th percentile per-packet one-way delay: 132.325 ms
Loss rate: 2.04%
-- Flow 2:
Average throughput: 690.57 Mbit/s
95th percentile per-packet one-way delay: 114.520 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 585.12 Mbit/s
95th percentile per-packet one-way delay: 85.373 ms
Loss rate: 1.86%

Run 9: Report of FillP-Sheep — Data Link

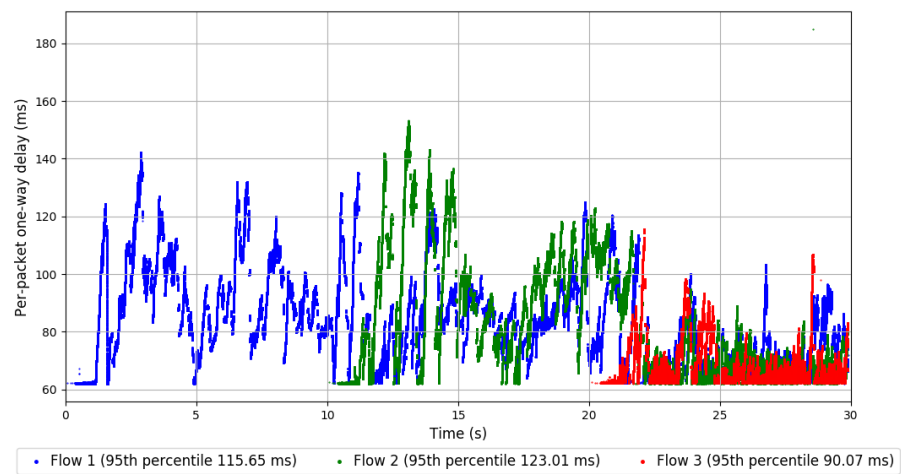
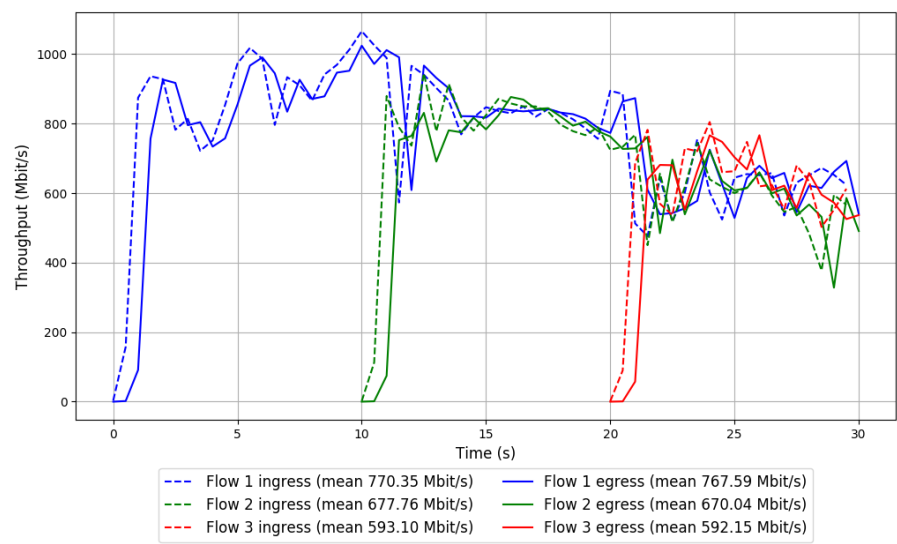


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-03 00:31:09
End at: 2018-08-03 00:31:39
Local clock offset: -0.047 ms
Remote clock offset: -1.376 ms

Below is generated by plot.py at 2018-08-03 03:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 1407.10 Mbit/s
95th percentile per-packet one-way delay: 116.645 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 767.59 Mbit/s
95th percentile per-packet one-way delay: 115.646 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 670.04 Mbit/s
95th percentile per-packet one-way delay: 123.007 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 592.15 Mbit/s
95th percentile per-packet one-way delay: 90.066 ms
Loss rate: 1.41%

Run 10: Report of FillP-Sheep — Data Link

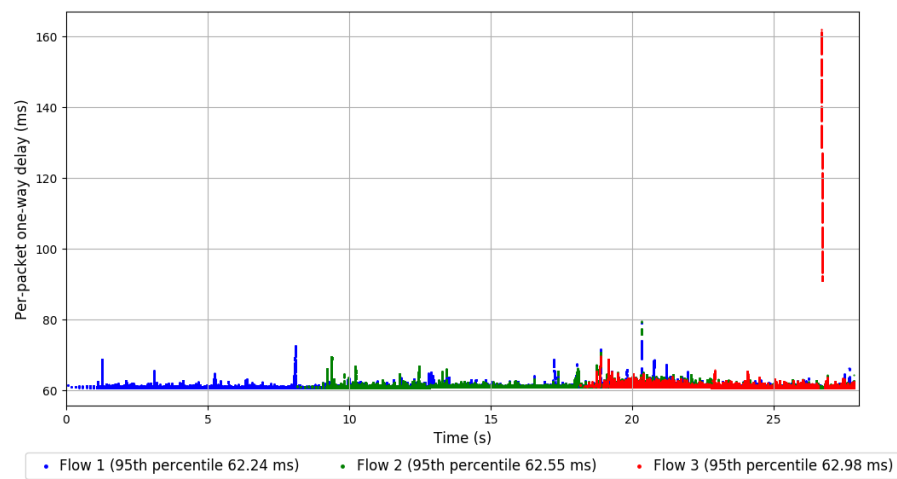
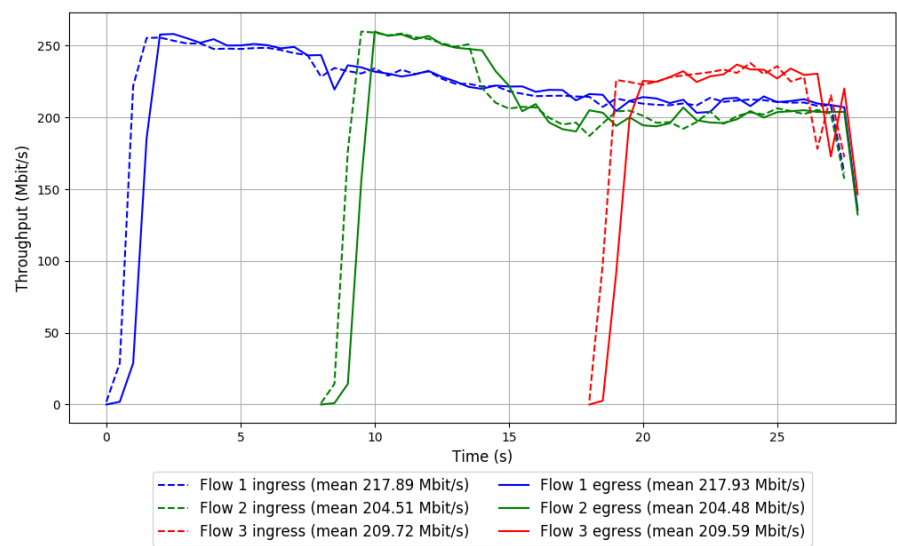


Run 1: Statistics of Indigo

Start at: 2018-08-02 20:25:24
End at: 2018-08-02 20:25:54
Local clock offset: -0.054 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-08-03 03:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 435.67 Mbit/s
95th percentile per-packet one-way delay: 62.496 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 217.93 Mbit/s
95th percentile per-packet one-way delay: 62.239 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 204.48 Mbit/s
95th percentile per-packet one-way delay: 62.551 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 209.59 Mbit/s
95th percentile per-packet one-way delay: 62.981 ms
Loss rate: 1.31%

Run 1: Report of Indigo — Data Link

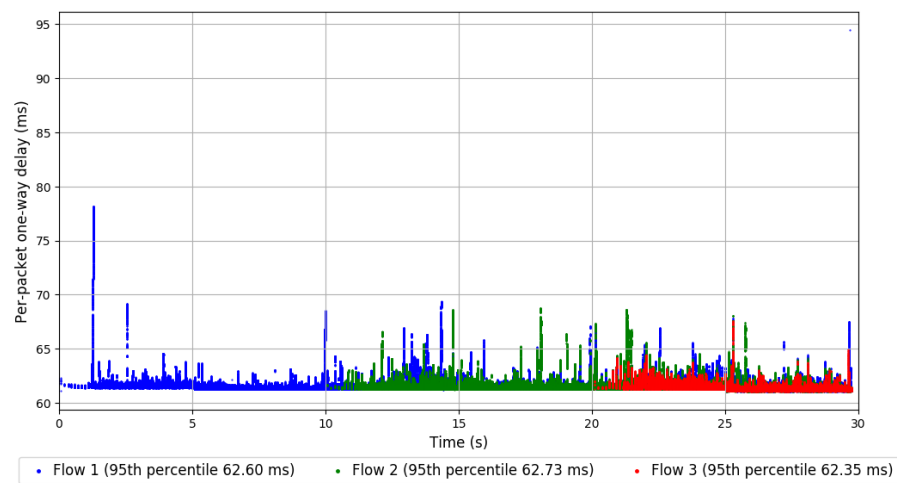
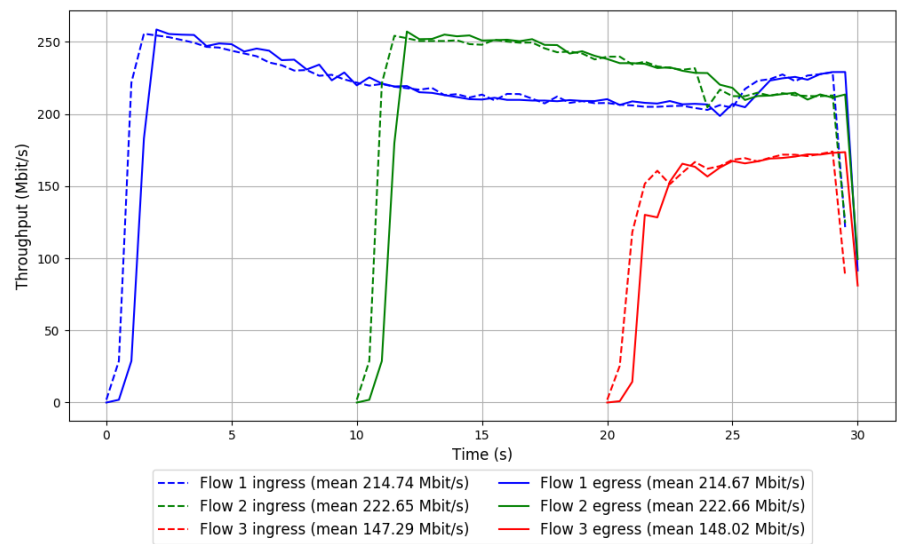


Run 2: Statistics of Indigo

Start at: 2018-08-02 20:52:14
End at: 2018-08-02 20:52:44
Local clock offset: -0.022 ms
Remote clock offset: -0.317 ms

Below is generated by plot.py at 2018-08-03 03:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 410.32 Mbit/s
95th percentile per-packet one-way delay: 62.614 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 214.67 Mbit/s
95th percentile per-packet one-way delay: 62.604 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 222.66 Mbit/s
95th percentile per-packet one-way delay: 62.732 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 148.02 Mbit/s
95th percentile per-packet one-way delay: 62.354 ms
Loss rate: 0.95%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-02 21:18:46

End at: 2018-08-02 21:19:16

Local clock offset: -0.074 ms

Remote clock offset: 1.234 ms

Below is generated by plot.py at 2018-08-03 03:14:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 414.74 Mbit/s

95th percentile per-packet one-way delay: 62.049 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 209.41 Mbit/s

95th percentile per-packet one-way delay: 61.644 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 209.93 Mbit/s

95th percentile per-packet one-way delay: 62.197 ms

Loss rate: 0.65%

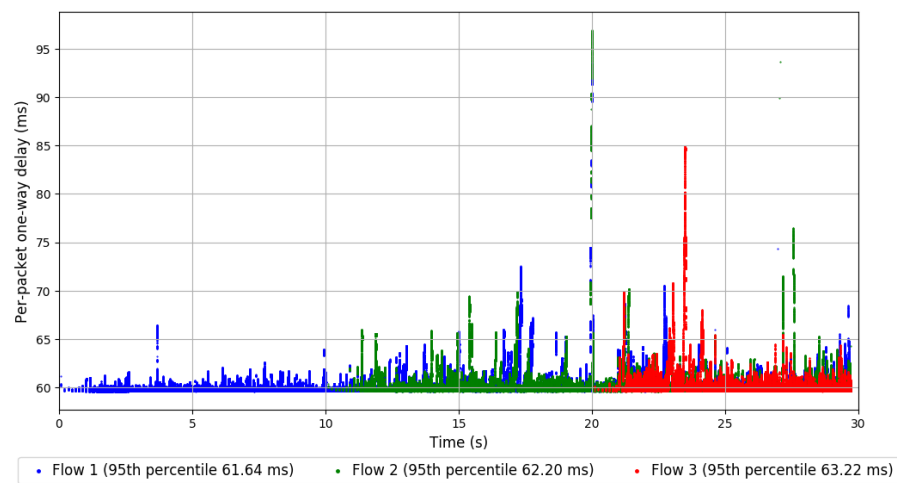
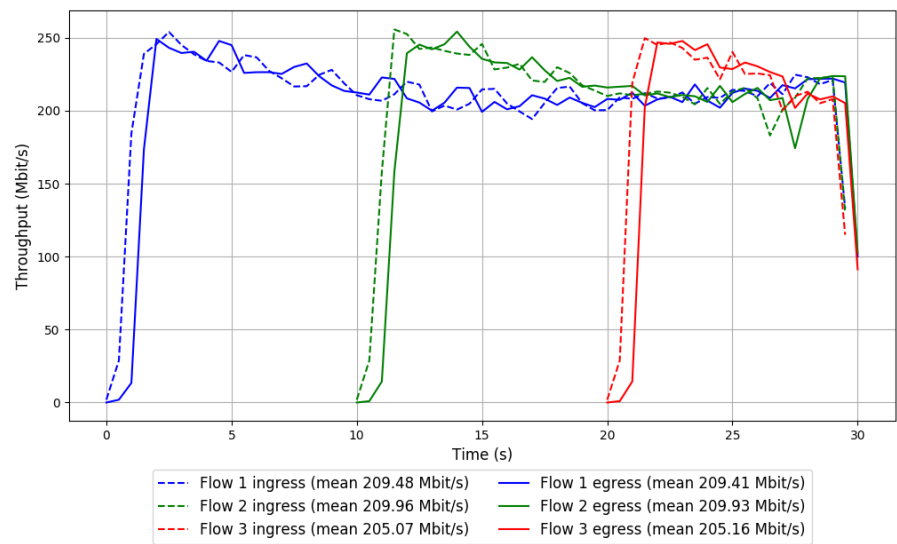
-- Flow 3:

Average throughput: 205.16 Mbit/s

95th percentile per-packet one-way delay: 63.218 ms

Loss rate: 1.23%

Run 3: Report of Indigo — Data Link

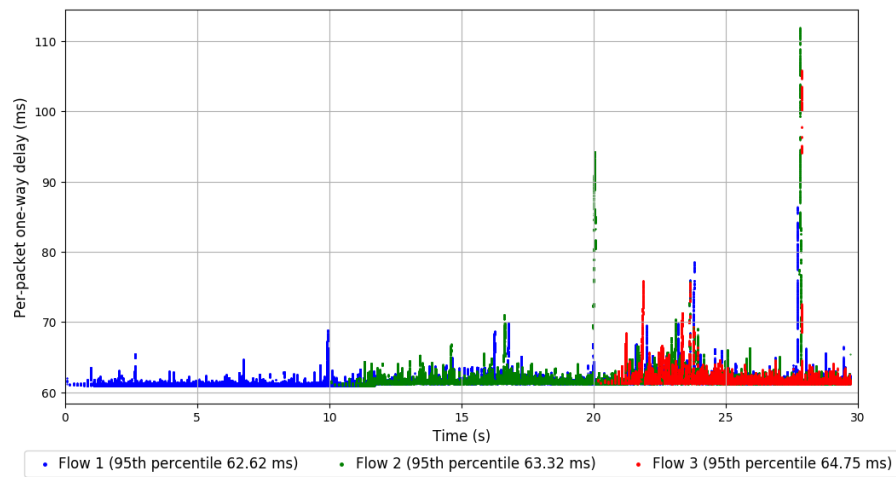
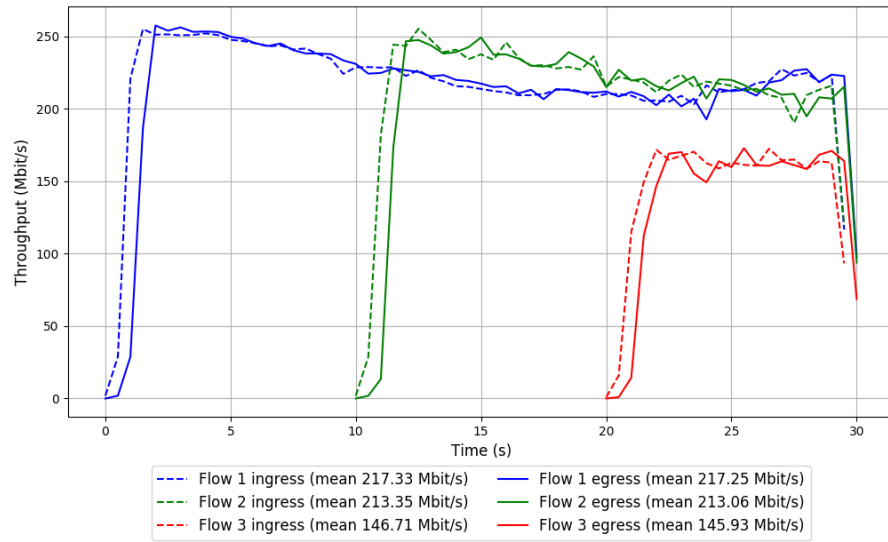


Run 4: Statistics of Indigo

Start at: 2018-08-02 21:45:27
End at: 2018-08-02 21:45:57
Local clock offset: -0.056 ms
Remote clock offset: -0.374 ms

Below is generated by plot.py at 2018-08-03 03:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 405.42 Mbit/s
95th percentile per-packet one-way delay: 63.140 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 217.25 Mbit/s
95th percentile per-packet one-way delay: 62.619 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 213.06 Mbit/s
95th percentile per-packet one-way delay: 63.323 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 145.93 Mbit/s
95th percentile per-packet one-way delay: 64.748 ms
Loss rate: 1.79%

Run 4: Report of Indigo — Data Link

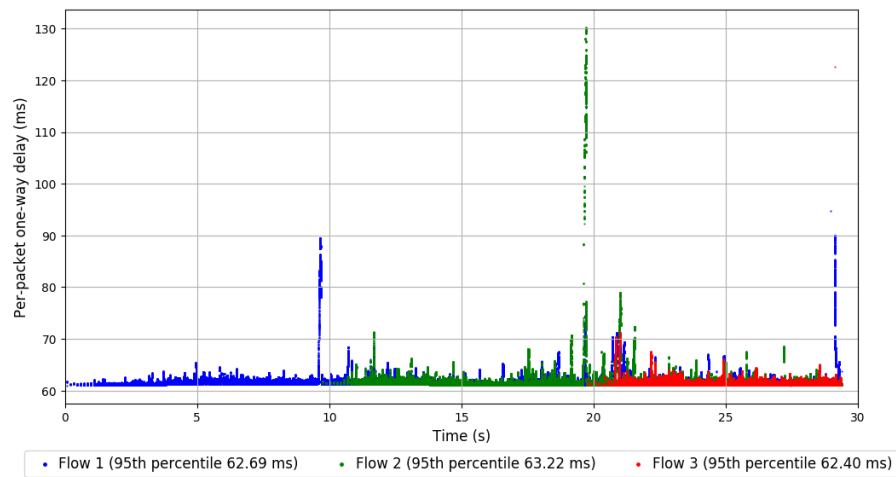
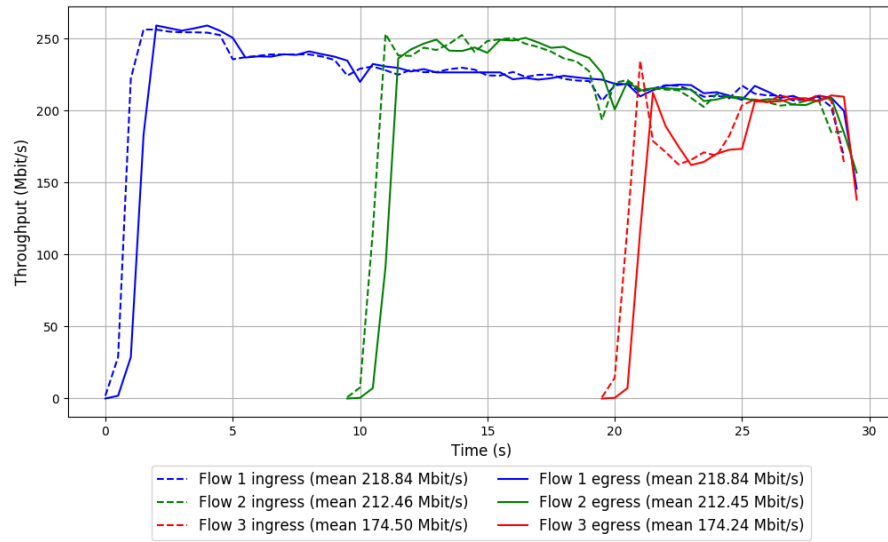


Run 5: Statistics of Indigo

Start at: 2018-08-02 22:12:15
End at: 2018-08-02 22:12:45
Local clock offset: -0.114 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-08-03 03:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 418.12 Mbit/s
95th percentile per-packet one-way delay: 62.812 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 218.84 Mbit/s
95th percentile per-packet one-way delay: 62.694 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 212.45 Mbit/s
95th percentile per-packet one-way delay: 63.218 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 174.24 Mbit/s
95th percentile per-packet one-way delay: 62.399 ms
Loss rate: 1.50%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-02 22:37:49

End at: 2018-08-02 22:38:19

Local clock offset: -0.159 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2018-08-03 03:14:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 423.49 Mbit/s

95th percentile per-packet one-way delay: 62.859 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 214.47 Mbit/s

95th percentile per-packet one-way delay: 62.486 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 217.11 Mbit/s

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

Loss rate: 0.61%

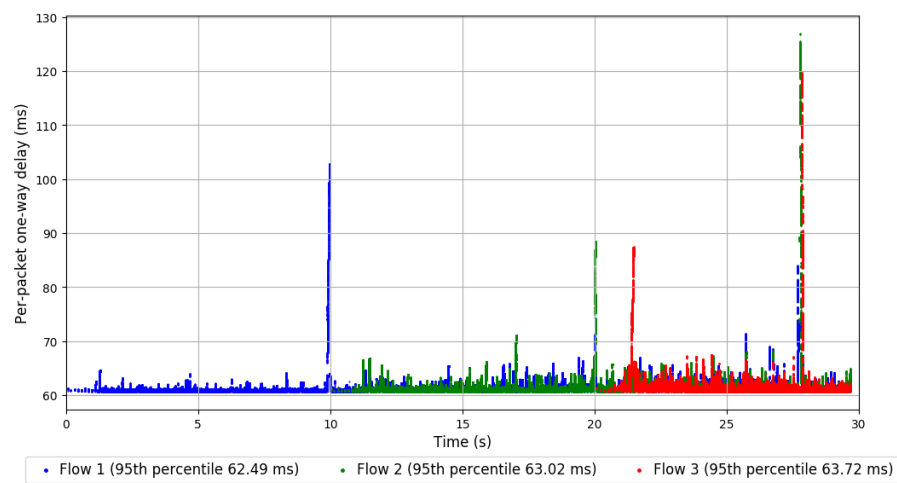
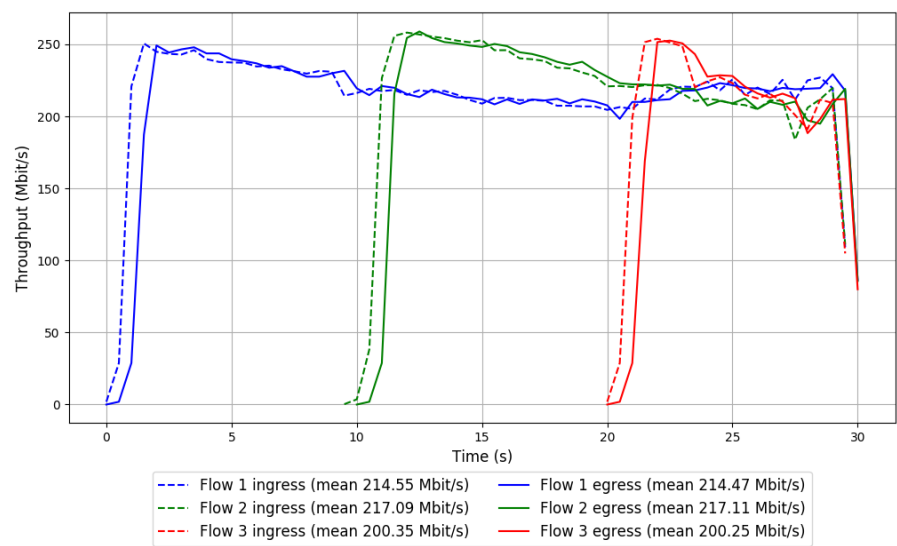
-- Flow 3:

Average throughput: 200.25 Mbit/s

95th percentile per-packet one-way delay: 63.719 ms

Loss rate: 1.30%

Run 6: Report of Indigo — Data Link

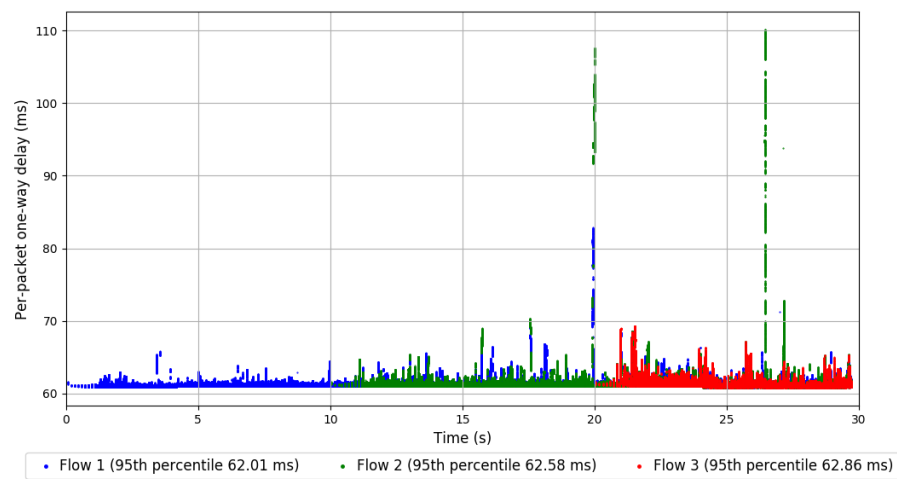
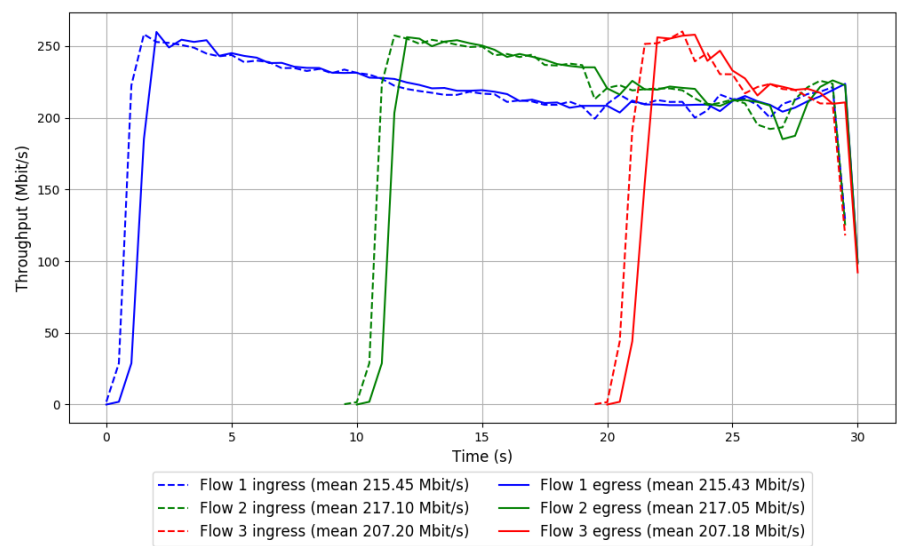


Run 7: Statistics of Indigo

Start at: 2018-08-02 23:03:55
End at: 2018-08-02 23:04:25
Local clock offset: -0.048 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-08-03 03:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 427.00 Mbit/s
95th percentile per-packet one-way delay: 62.358 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 215.43 Mbit/s
95th percentile per-packet one-way delay: 62.014 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 217.05 Mbit/s
95th percentile per-packet one-way delay: 62.579 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 207.18 Mbit/s
95th percentile per-packet one-way delay: 62.860 ms
Loss rate: 1.26%

Run 7: Report of Indigo — Data Link

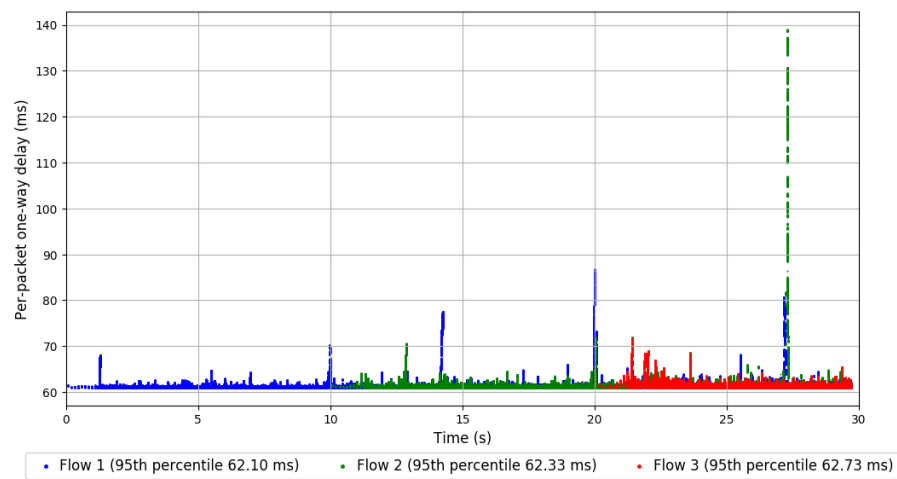
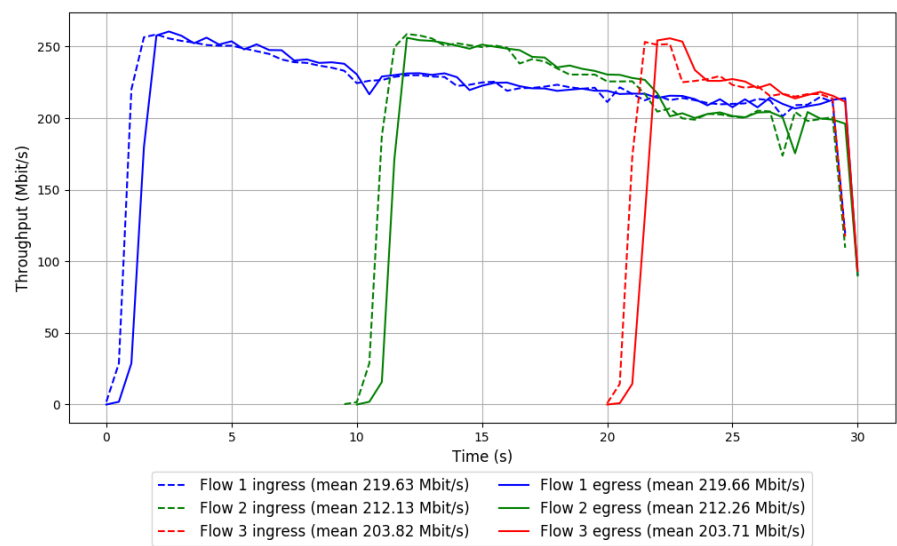


Run 8: Statistics of Indigo

Start at: 2018-08-02 23:30:18
End at: 2018-08-02 23:30:48
Local clock offset: 0.053 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-08-03 03:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 425.77 Mbit/s
95th percentile per-packet one-way delay: 62.294 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 219.66 Mbit/s
95th percentile per-packet one-way delay: 62.100 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 212.26 Mbit/s
95th percentile per-packet one-way delay: 62.331 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 203.71 Mbit/s
95th percentile per-packet one-way delay: 62.729 ms
Loss rate: 1.33%

Run 8: Report of Indigo — Data Link

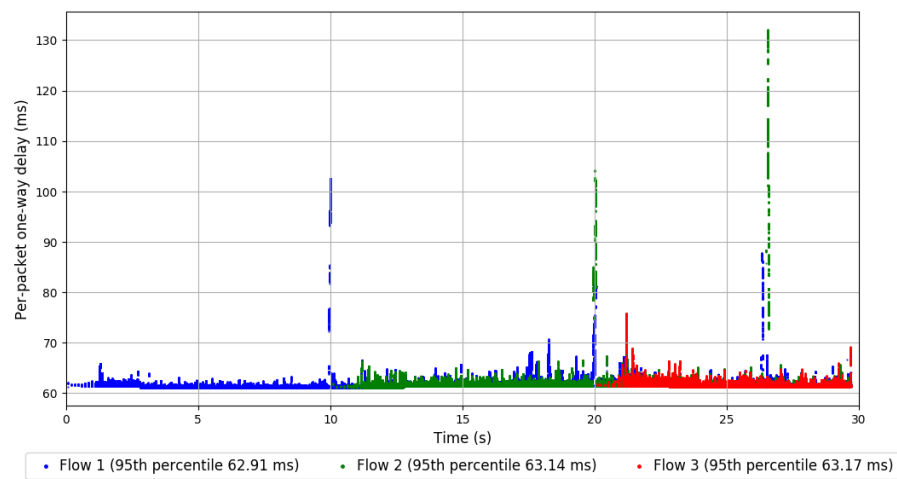
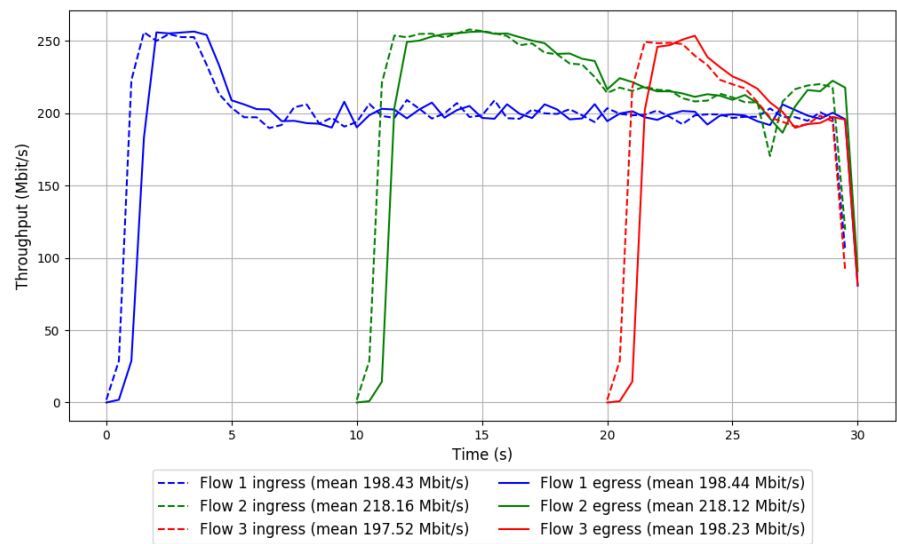


Run 9: Statistics of Indigo

Start at: 2018-08-02 23:56:46
End at: 2018-08-02 23:57:16
Local clock offset: -0.091 ms
Remote clock offset: -0.285 ms

Below is generated by plot.py at 2018-08-03 03:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 406.76 Mbit/s
95th percentile per-packet one-way delay: 63.048 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 198.44 Mbit/s
95th percentile per-packet one-way delay: 62.912 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 218.12 Mbit/s
95th percentile per-packet one-way delay: 63.136 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 198.23 Mbit/s
95th percentile per-packet one-way delay: 63.172 ms
Loss rate: 0.88%

Run 9: Report of Indigo — Data Link

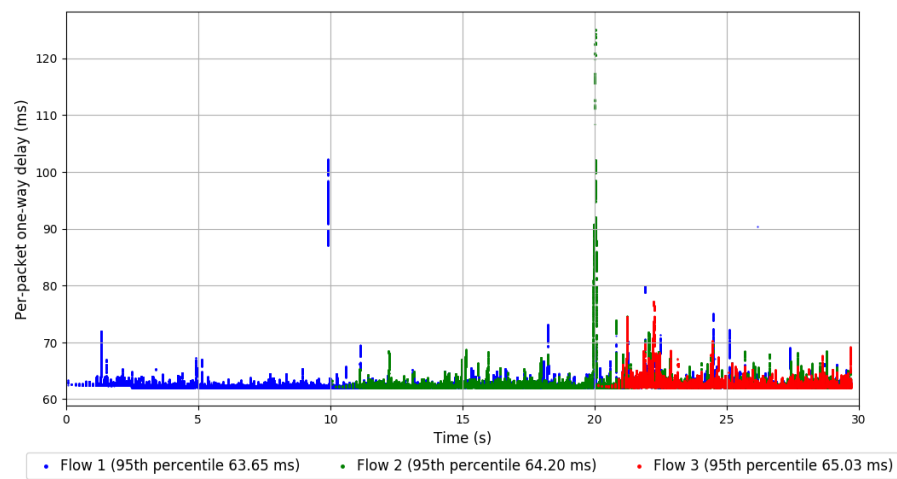
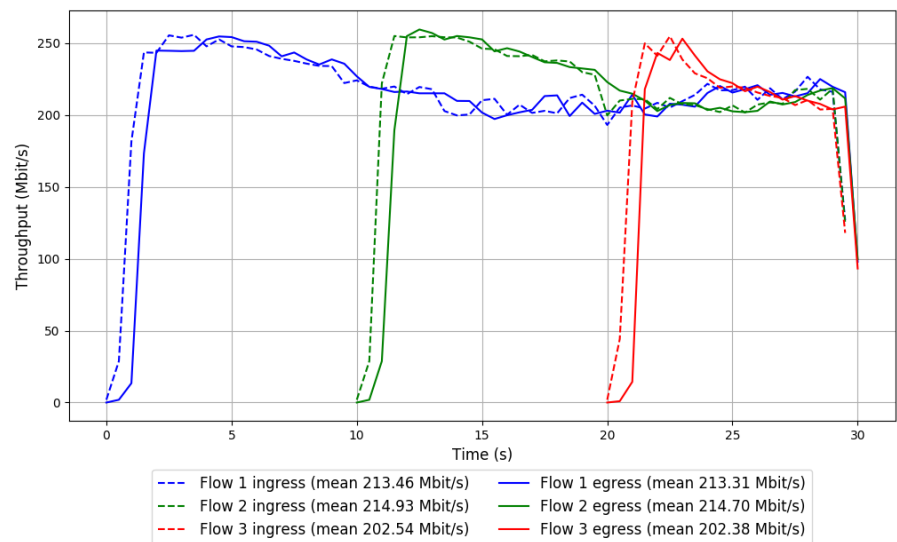


Run 10: Statistics of Indigo

Start at: 2018-08-03 00:23:16
End at: 2018-08-03 00:23:46
Local clock offset: 0.017 ms
Remote clock offset: -1.429 ms

Below is generated by plot.py at 2018-08-03 03:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 421.05 Mbit/s
95th percentile per-packet one-way delay: 64.056 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 213.31 Mbit/s
95th percentile per-packet one-way delay: 63.651 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 214.70 Mbit/s
95th percentile per-packet one-way delay: 64.202 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 202.38 Mbit/s
95th percentile per-packet one-way delay: 65.030 ms
Loss rate: 1.33%

Run 10: Report of Indigo — Data Link

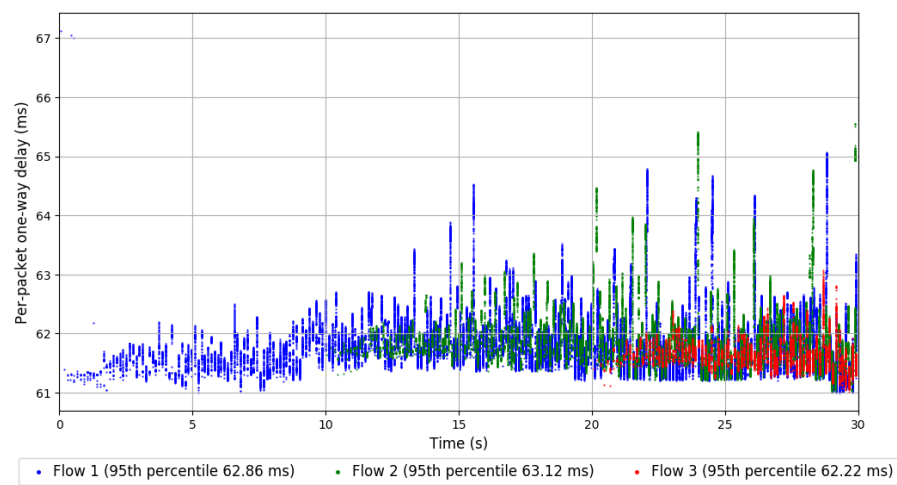
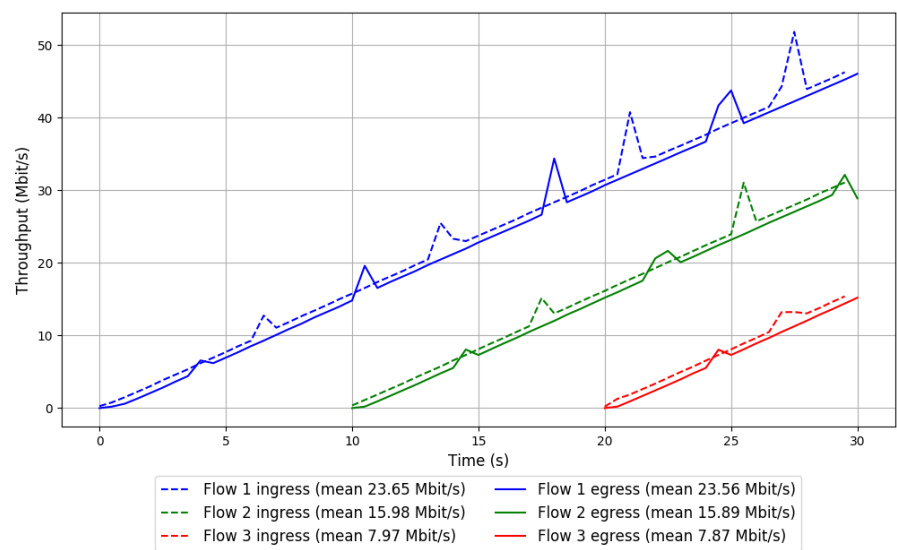


Run 1: Statistics of LEDBAT

Start at: 2018-08-02 20:36:30
End at: 2018-08-02 20:37:00
Local clock offset: -0.018 ms
Remote clock offset: -0.314 ms

Below is generated by plot.py at 2018-08-03 03:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.70 Mbit/s
95th percentile per-packet one-way delay: 62.880 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 23.56 Mbit/s
95th percentile per-packet one-way delay: 62.858 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 15.89 Mbit/s
95th percentile per-packet one-way delay: 63.119 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 7.87 Mbit/s
95th percentile per-packet one-way delay: 62.224 ms
Loss rate: 2.47%

Run 1: Report of LEDBAT — Data Link

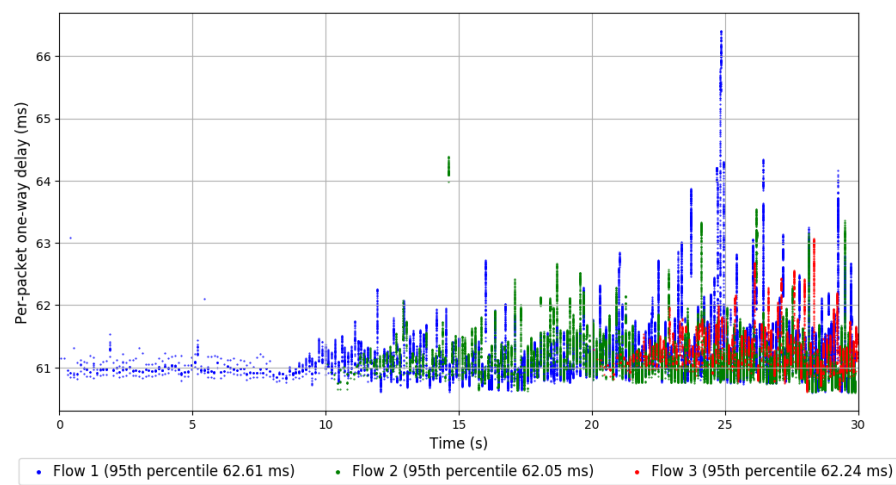
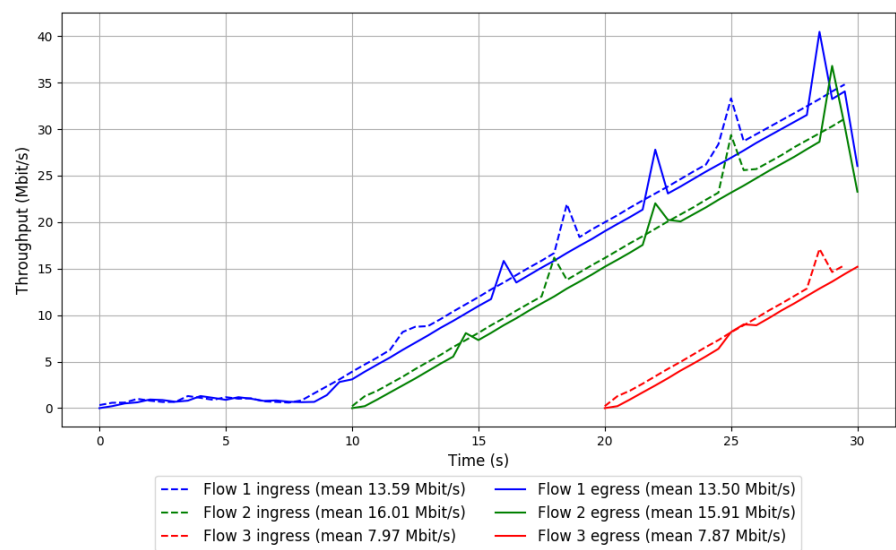


```
Run 2: Statistics of LEDBAT

Start at: 2018-08-02 21:03:21
End at: 2018-08-02 21:03:51
Local clock offset: -0.038 ms
Remote clock offset: 0.169 ms

# Below is generated by plot.py at 2018-08-03 03:14:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.60 Mbit/s
95th percentile per-packet one-way delay: 62.356 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 13.50 Mbit/s
95th percentile per-packet one-way delay: 62.606 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 62.054 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 7.87 Mbit/s
95th percentile per-packet one-way delay: 62.243 ms
Loss rate: 2.47%
```

Run 2: Report of LEDBAT — Data Link

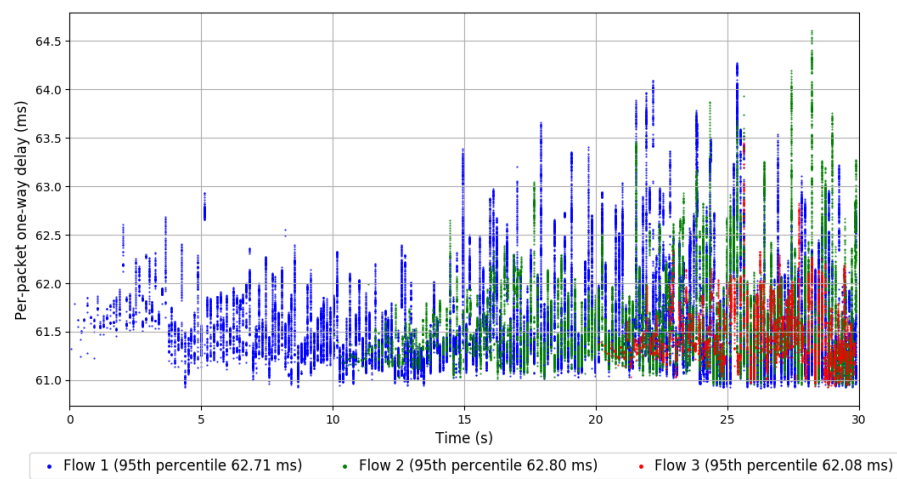
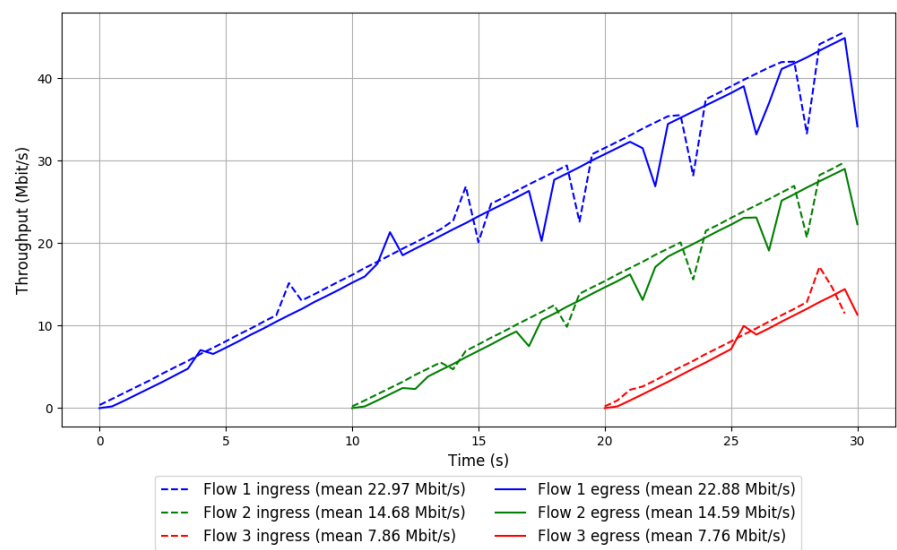


Run 3: Statistics of LEDBAT

Start at: 2018-08-02 21:29:55
End at: 2018-08-02 21:30:25
Local clock offset: -0.069 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-08-03 03:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.09 Mbit/s
95th percentile per-packet one-way delay: 62.701 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 62.710 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 14.59 Mbit/s
95th percentile per-packet one-way delay: 62.801 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 7.76 Mbit/s
95th percentile per-packet one-way delay: 62.076 ms
Loss rate: 2.50%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-02 21:56:39

End at: 2018-08-02 21:57:09

Local clock offset: -0.094 ms

Remote clock offset: 0.913 ms

Below is generated by plot.py at 2018-08-03 03:14:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.77 Mbit/s

95th percentile per-packet one-way delay: 61.697 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 24.00 Mbit/s

95th percentile per-packet one-way delay: 61.935 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 15.32 Mbit/s

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

Loss rate: 1.26%

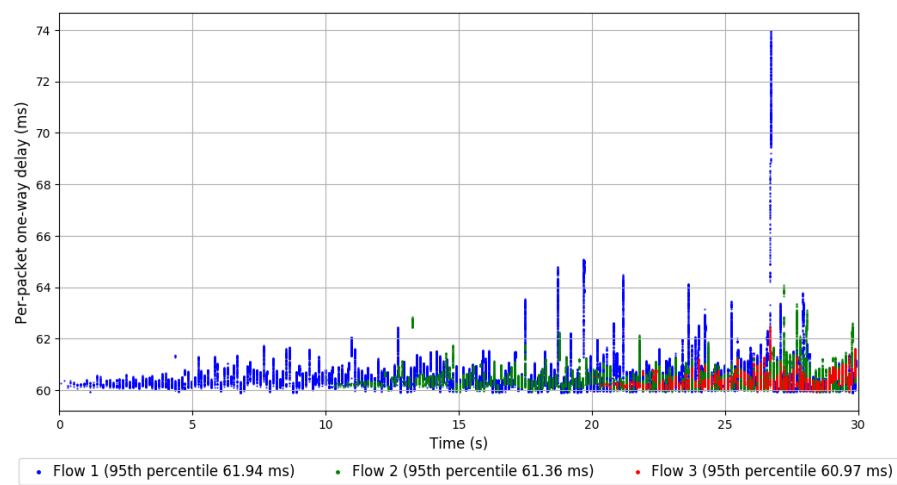
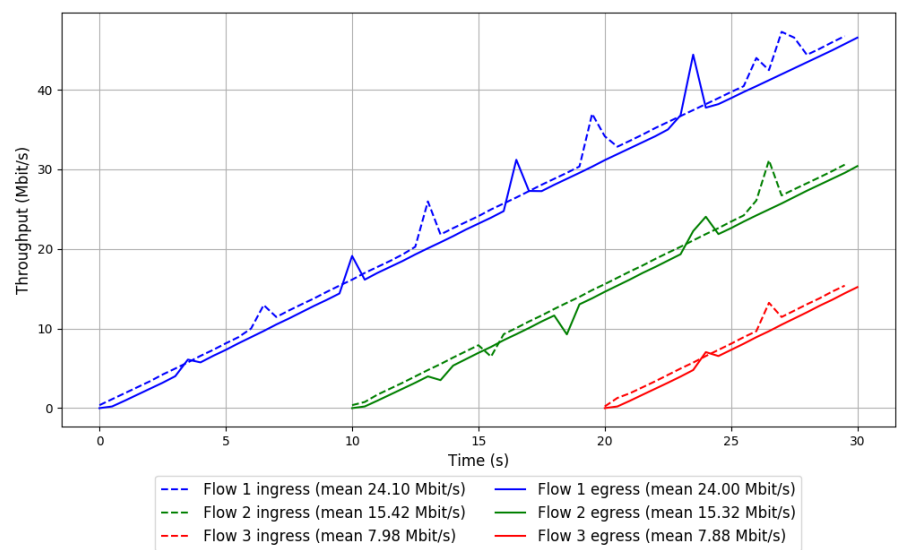
-- Flow 3:

Average throughput: 7.88 Mbit/s

95th percentile per-packet one-way delay: 60.974 ms

Loss rate: 2.47%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-02 22:23:17

End at: 2018-08-02 22:23:47

Local clock offset: -0.108 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-08-03 03:14:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 32.90 Mbit/s

95th percentile per-packet one-way delay: 67.904 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 20.79 Mbit/s

95th percentile per-packet one-way delay: 67.930 ms

Loss rate: 0.86%

-- Flow 2:

Average throughput: 15.10 Mbit/s

95th percentile per-packet one-way delay: 67.993 ms

Loss rate: 1.24%

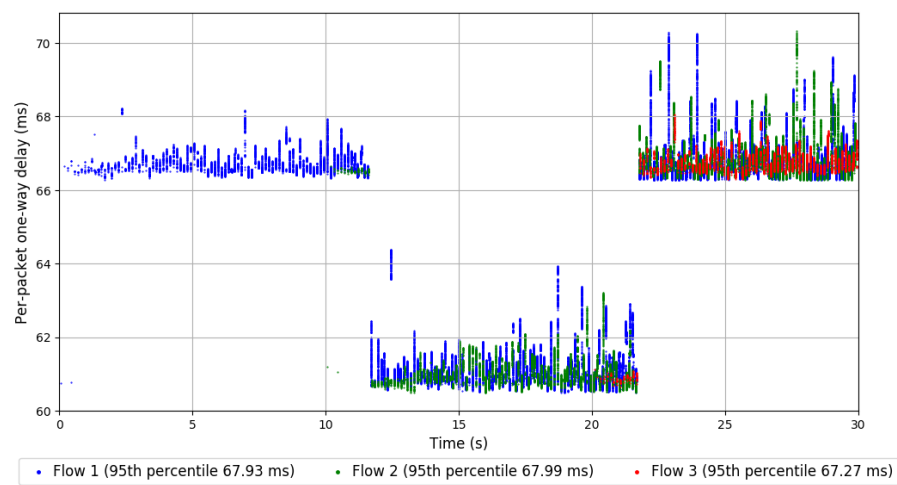
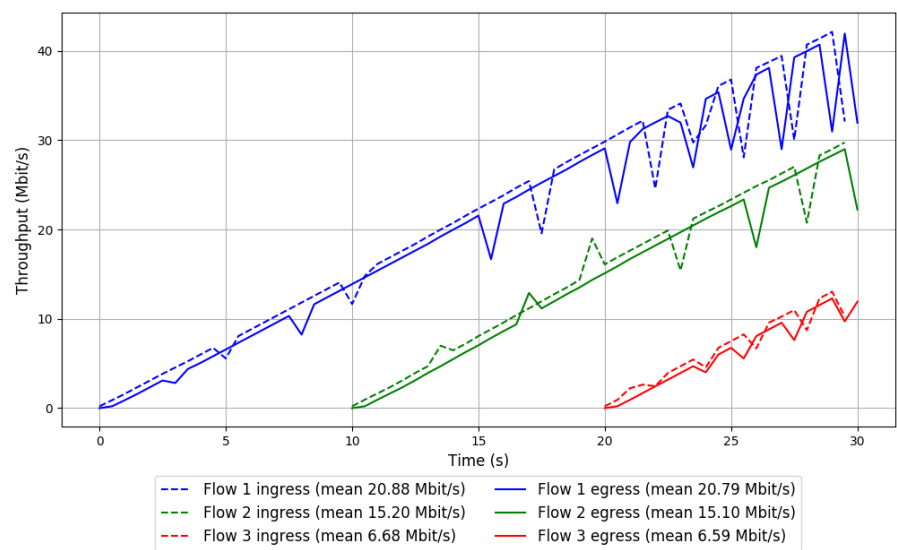
-- Flow 3:

Average throughput: 6.59 Mbit/s

95th percentile per-packet one-way delay: 67.267 ms

Loss rate: 1.28%

Run 5: Report of LEDBAT — Data Link

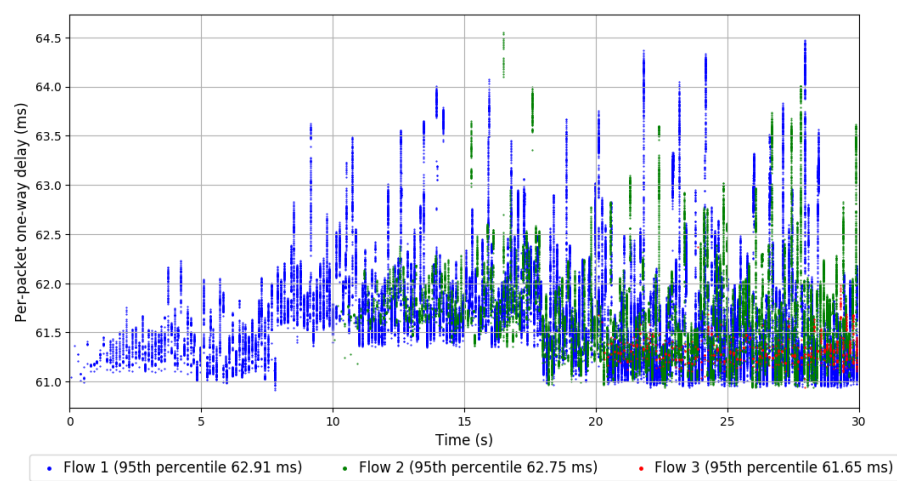
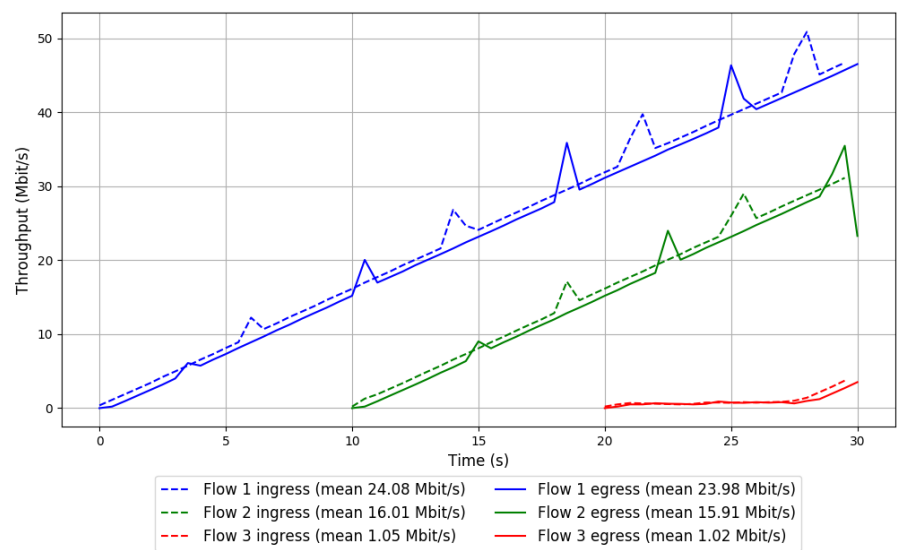


Run 6: Statistics of LEDBAT

Start at: 2018-08-02 22:49:01
End at: 2018-08-02 22:49:31
Local clock offset: -0.18 ms
Remote clock offset: -0.259 ms

Below is generated by plot.py at 2018-08-03 03:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.87 Mbit/s
95th percentile per-packet one-way delay: 62.873 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 62.913 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 62.750 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 61.652 ms
Loss rate: 4.82%

Run 6: Report of LEDBAT — Data Link

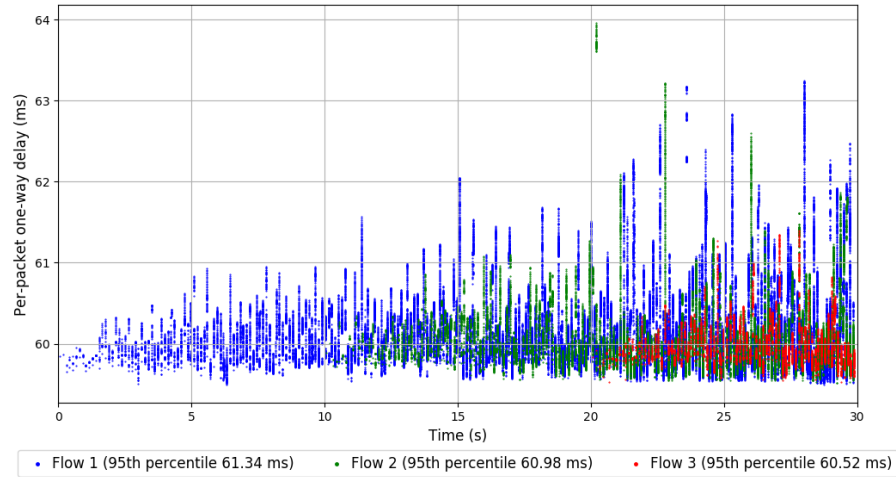
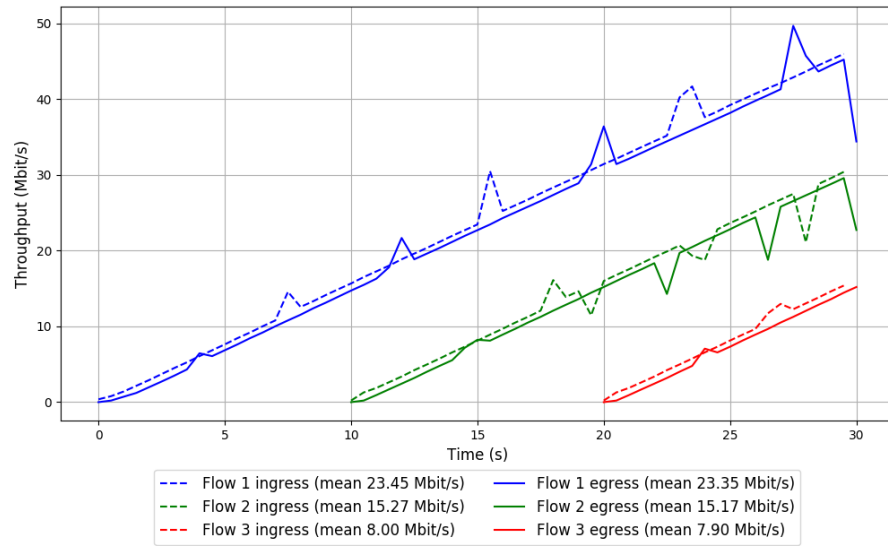


Run 7: Statistics of LEDBAT

Start at: 2018-08-02 23:15:01
End at: 2018-08-02 23:15:31
Local clock offset: -0.035 ms
Remote clock offset: 1.364 ms

Below is generated by plot.py at 2018-08-03 03:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.98 Mbit/s
95th percentile per-packet one-way delay: 61.205 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 61.338 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 15.17 Mbit/s
95th percentile per-packet one-way delay: 60.984 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 60.517 ms
Loss rate: 2.47%

Run 7: Report of LEDBAT — Data Link

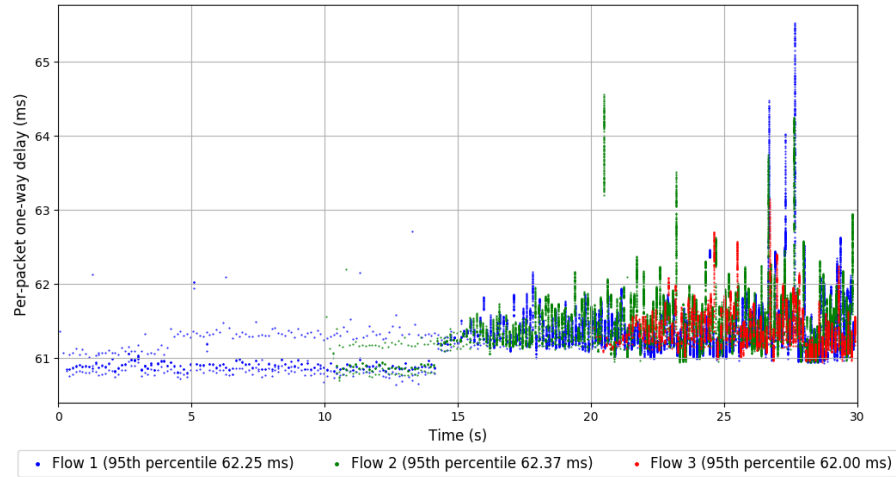
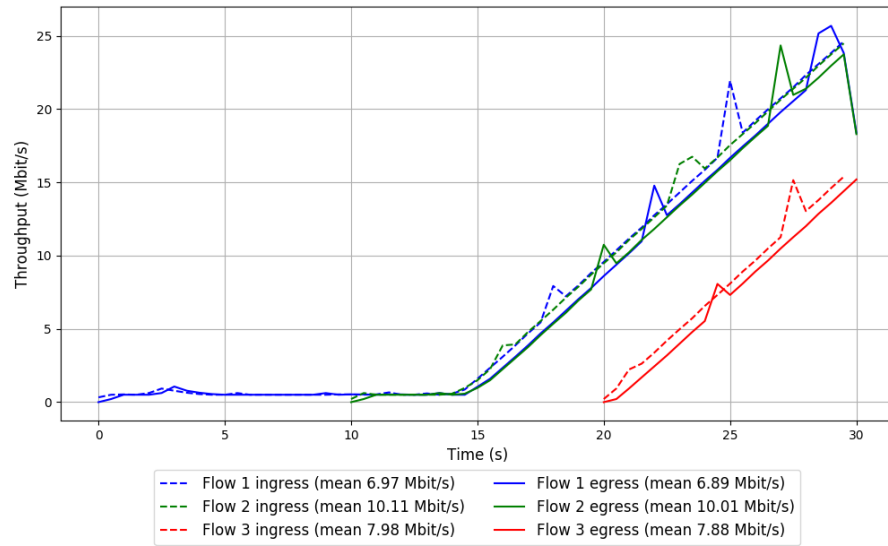


Run 8: Statistics of LEDBAT

Start at: 2018-08-02 23:41:25
End at: 2018-08-02 23:41:55
Local clock offset: -0.051 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-08-03 03:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.10 Mbit/s
95th percentile per-packet one-way delay: 62.261 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: 62.247 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 10.01 Mbit/s
95th percentile per-packet one-way delay: 62.371 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 61.999 ms
Loss rate: 2.47%

Run 8: Report of LEDBAT — Data Link

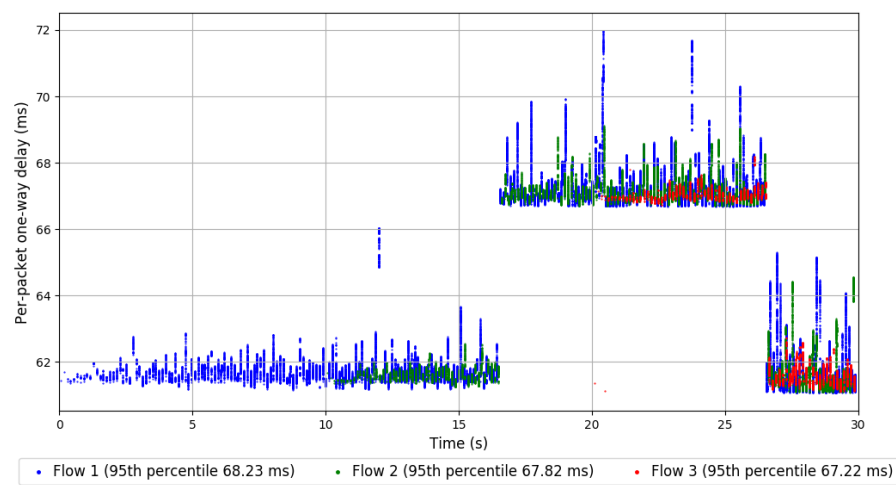
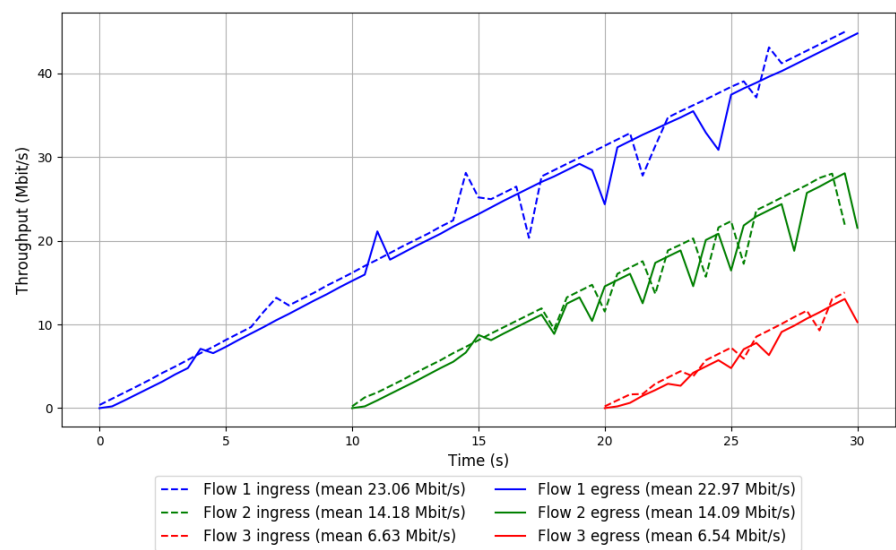


Run 9: Statistics of LEDBAT

Start at: 2018-08-03 00:07:53
End at: 2018-08-03 00:08:23
Local clock offset: -0.039 ms
Remote clock offset: -0.251 ms

Below is generated by plot.py at 2018-08-03 03:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.44 Mbit/s
95th percentile per-packet one-way delay: 68.040 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 22.97 Mbit/s
95th percentile per-packet one-way delay: 68.231 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 14.09 Mbit/s
95th percentile per-packet one-way delay: 67.819 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 6.54 Mbit/s
95th percentile per-packet one-way delay: 67.220 ms
Loss rate: 2.70%

Run 9: Report of LEDBAT — Data Link

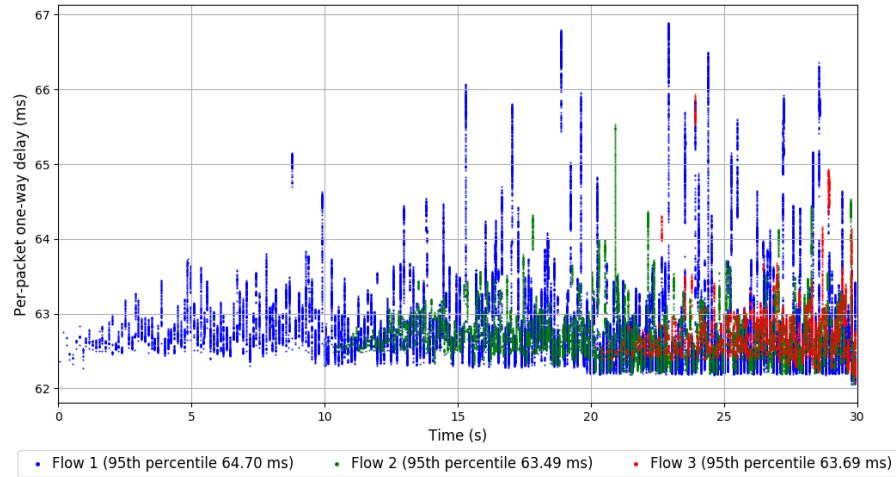
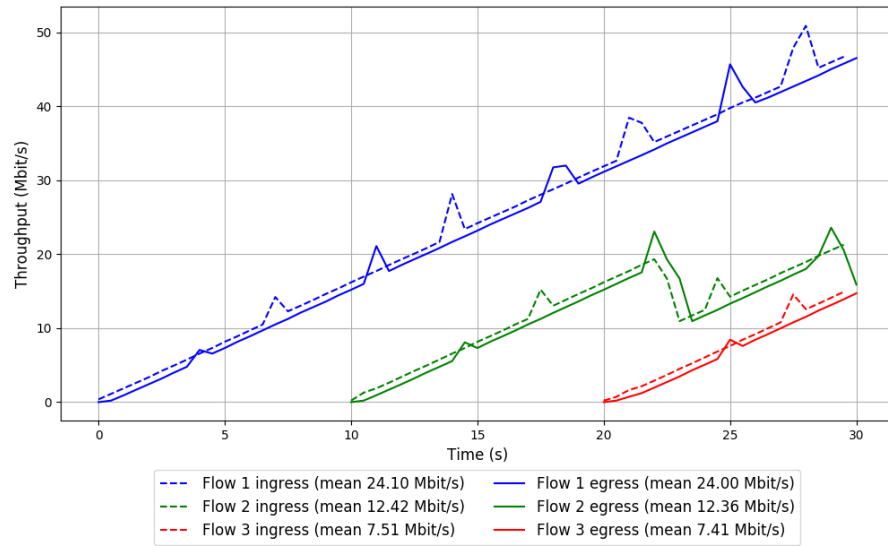


Run 10: Statistics of LEDBAT

Start at: 2018-08-03 00:34:29
End at: 2018-08-03 00:34:59
Local clock offset: -0.039 ms
Remote clock offset: -1.466 ms

Below is generated by plot.py at 2018-08-03 03:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.63 Mbit/s
95th percentile per-packet one-way delay: 64.388 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 64.696 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 12.36 Mbit/s
95th percentile per-packet one-way delay: 63.486 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 7.41 Mbit/s
95th percentile per-packet one-way delay: 63.688 ms
Loss rate: 2.54%

Run 10: Report of LEDBAT — Data Link

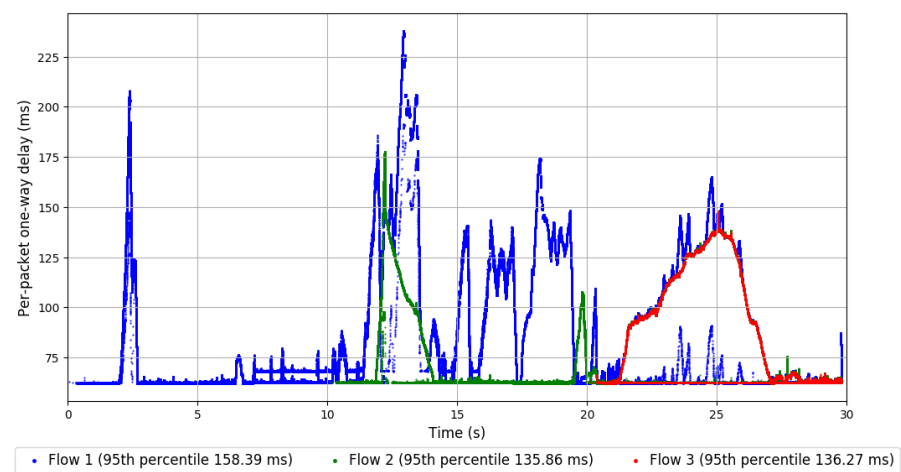
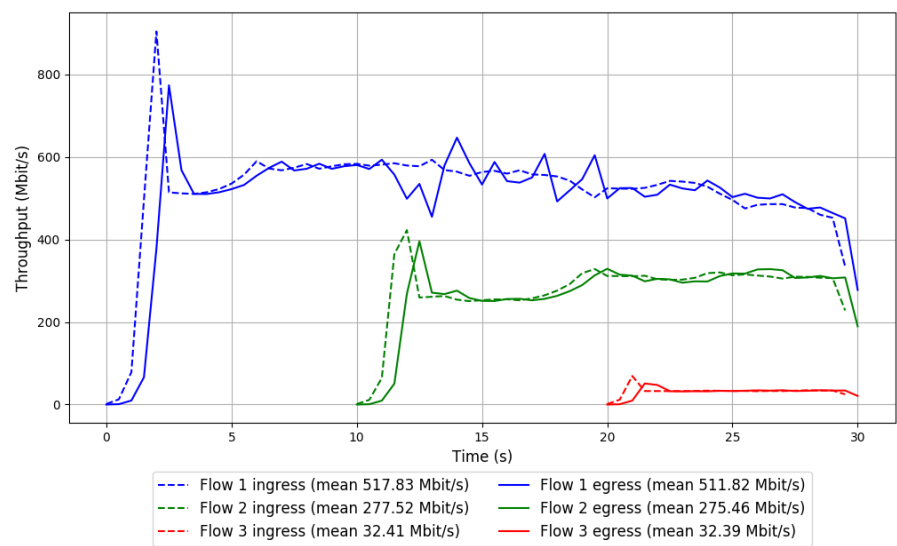


Run 1: Statistics of PCC-Allegro

Start at: 2018-08-02 20:29:42
End at: 2018-08-02 20:30:12
Local clock offset: -0.084 ms
Remote clock offset: -1.571 ms

Below is generated by plot.py at 2018-08-03 03:18:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 705.10 Mbit/s
95th percentile per-packet one-way delay: 147.551 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 511.82 Mbit/s
95th percentile per-packet one-way delay: 158.386 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 275.46 Mbit/s
95th percentile per-packet one-way delay: 135.856 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 32.39 Mbit/s
95th percentile per-packet one-way delay: 136.271 ms
Loss rate: 1.28%

Run 1: Report of PCC-Allegro — Data Link

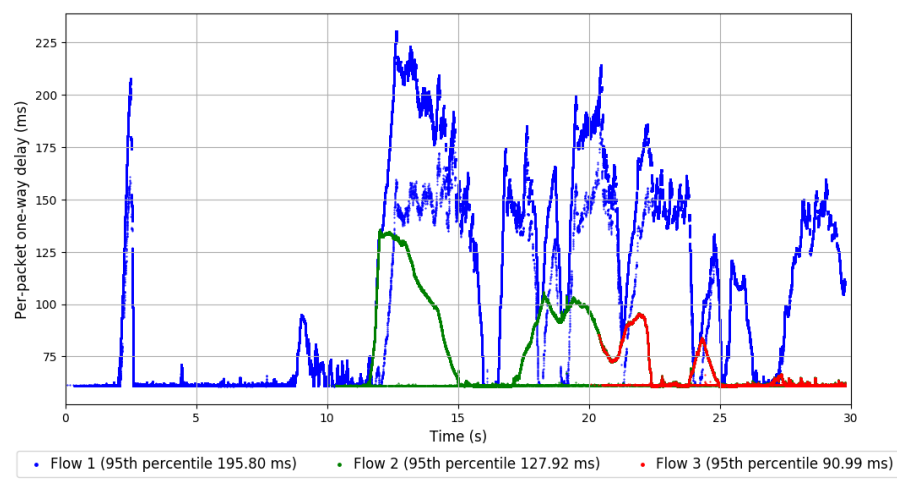
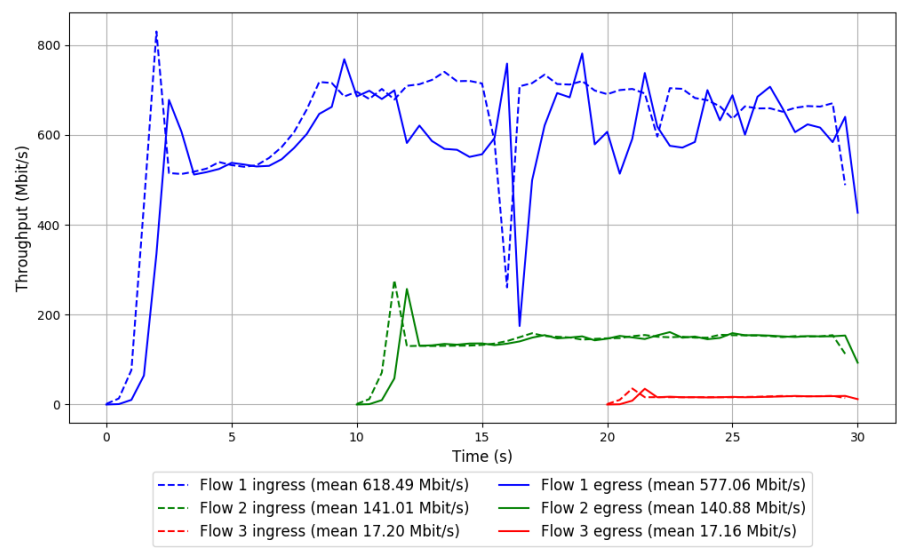


Run 2: Statistics of PCC-Allegro

Start at: 2018-08-02 20:56:33
End at: 2018-08-02 20:57:03
Local clock offset: -0.055 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-08-03 03:18:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 676.11 Mbit/s
95th percentile per-packet one-way delay: 193.202 ms
Loss rate: 6.21%
-- Flow 1:
Average throughput: 577.06 Mbit/s
95th percentile per-packet one-way delay: 195.797 ms
Loss rate: 7.08%
-- Flow 2:
Average throughput: 140.88 Mbit/s
95th percentile per-packet one-way delay: 127.919 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 17.16 Mbit/s
95th percentile per-packet one-way delay: 90.994 ms
Loss rate: 1.48%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-02 21:23:08

End at: 2018-08-02 21:23:38

Local clock offset: -0.008 ms

Remote clock offset: 1.284 ms

Below is generated by plot.py at 2018-08-03 03:19:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 715.78 Mbit/s

95th percentile per-packet one-way delay: 180.586 ms

Loss rate: 2.97%

-- Flow 1:

Average throughput: 543.95 Mbit/s

95th percentile per-packet one-way delay: 187.831 ms

Loss rate: 2.99%

-- Flow 2:

Average throughput: 242.51 Mbit/s

95th percentile per-packet one-way delay: 141.614 ms

Loss rate: 2.98%

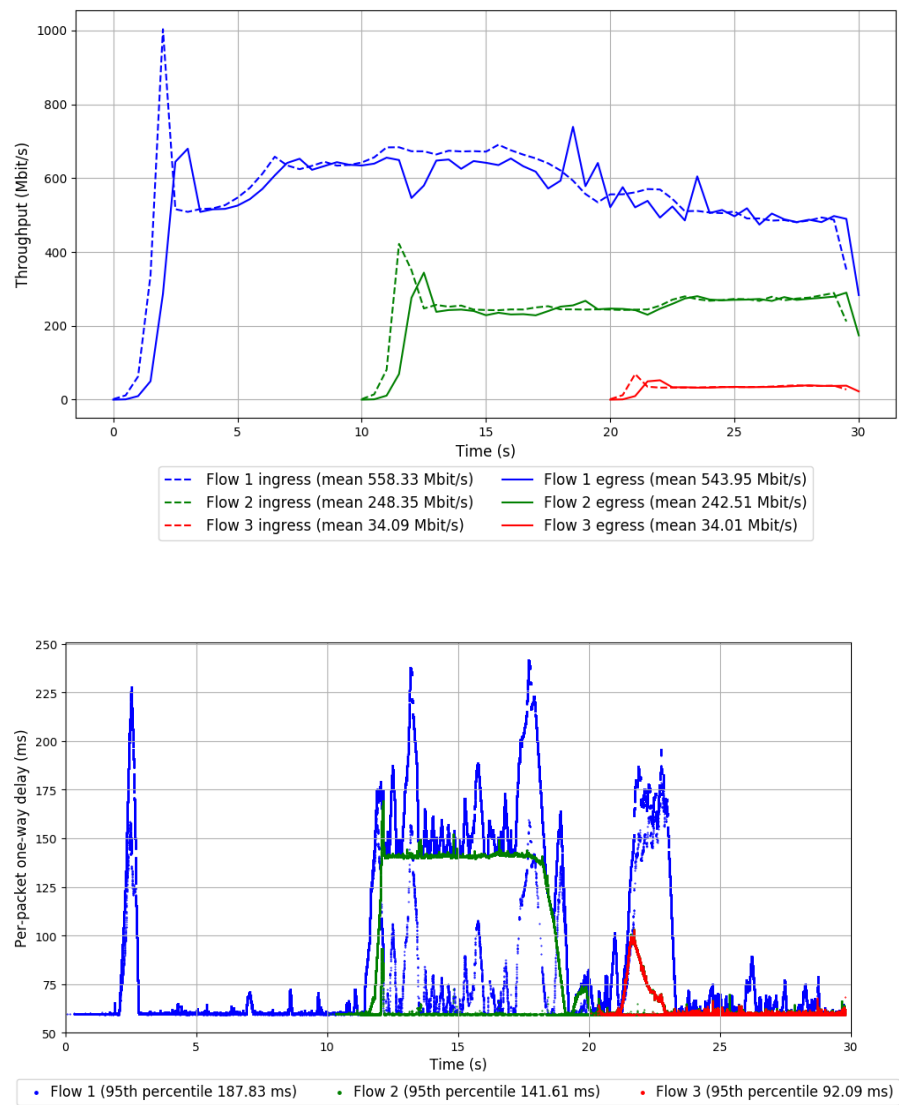
-- Flow 3:

Average throughput: 34.01 Mbit/s

95th percentile per-packet one-way delay: 92.087 ms

Loss rate: 1.46%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-02 21:49:47

End at: 2018-08-02 21:50:17

Local clock offset: -0.086 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-08-03 03:20:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 690.28 Mbit/s

95th percentile per-packet one-way delay: 174.821 ms

Loss rate: 3.33%

-- Flow 1:

Average throughput: 590.56 Mbit/s

95th percentile per-packet one-way delay: 179.293 ms

Loss rate: 3.77%

-- Flow 2:

Average throughput: 148.35 Mbit/s

95th percentile per-packet one-way delay: 112.452 ms

Loss rate: 0.65%

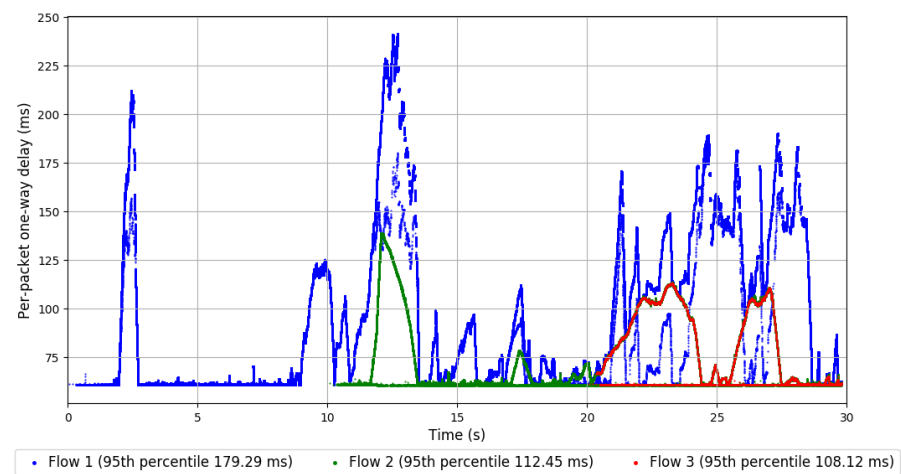
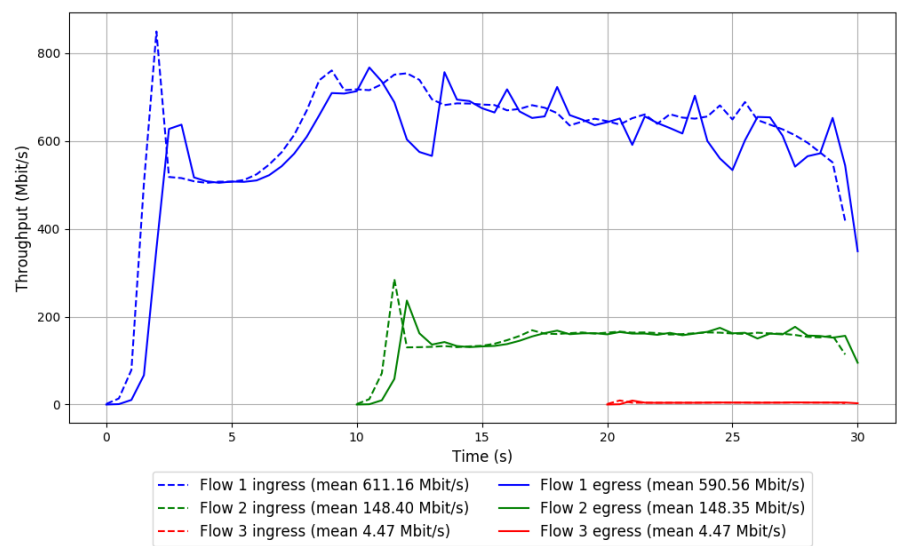
-- Flow 3:

Average throughput: 4.47 Mbit/s

95th percentile per-packet one-way delay: 108.122 ms

Loss rate: 1.28%

Run 4: Report of PCC-Allegro — Data Link

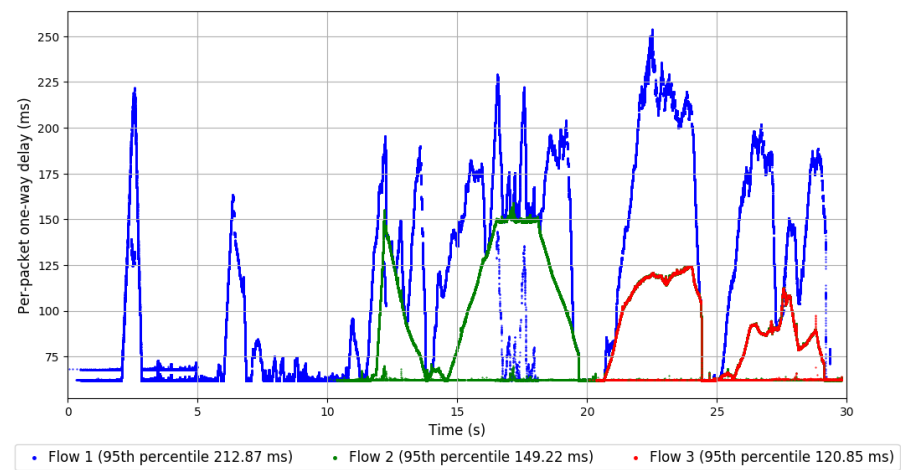
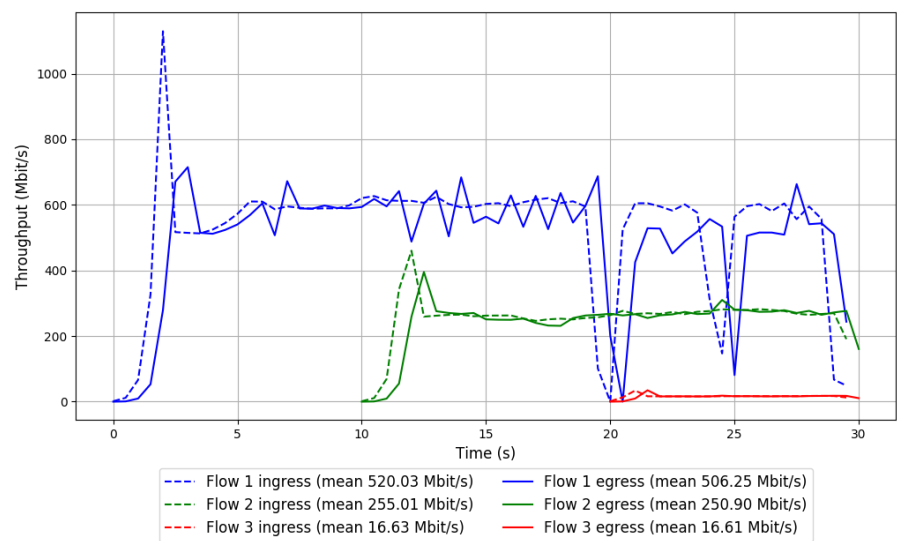


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-02 22:16:34
End at: 2018-08-02 22:17:04
Local clock offset: -0.084 ms
Remote clock offset: -1.363 ms

Below is generated by plot.py at 2018-08-03 03:23:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 672.74 Mbit/s
95th percentile per-packet one-way delay: 208.382 ms
Loss rate: 3.62%
-- Flow 1:
Average throughput: 506.25 Mbit/s
95th percentile per-packet one-way delay: 212.869 ms
Loss rate: 4.10%
-- Flow 2:
Average throughput: 250.90 Mbit/s
95th percentile per-packet one-way delay: 149.224 ms
Loss rate: 2.22%
-- Flow 3:
Average throughput: 16.61 Mbit/s
95th percentile per-packet one-way delay: 120.849 ms
Loss rate: 1.35%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-02 22:42:11

End at: 2018-08-02 22:42:41

Local clock offset: -0.16 ms

Remote clock offset: 1.14 ms

Below is generated by plot.py at 2018-08-03 03:23:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 689.40 Mbit/s

95th percentile per-packet one-way delay: 157.837 ms

Loss rate: 1.74%

-- Flow 1:

Average throughput: 524.20 Mbit/s

95th percentile per-packet one-way delay: 161.423 ms

Loss rate: 1.58%

-- Flow 2:

Average throughput: 246.99 Mbit/s

95th percentile per-packet one-way delay: 145.697 ms

Loss rate: 2.26%

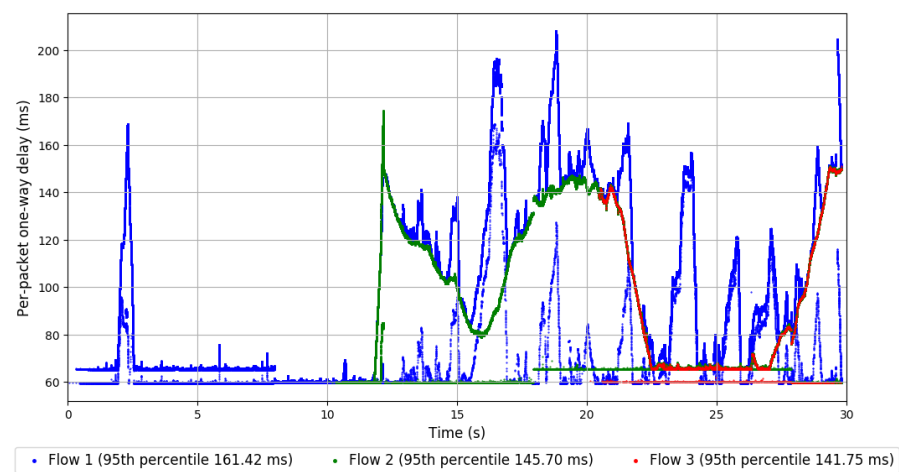
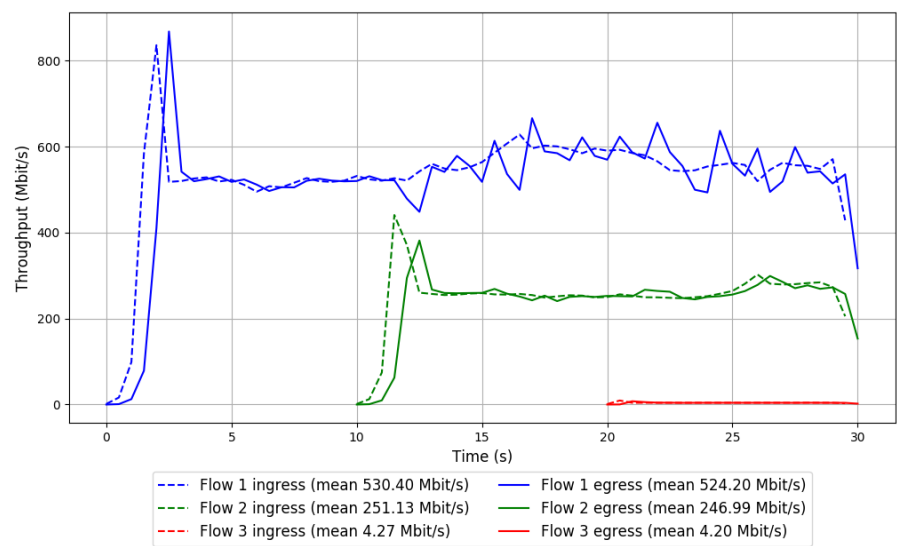
-- Flow 3:

Average throughput: 4.20 Mbit/s

95th percentile per-packet one-way delay: 141.746 ms

Loss rate: 2.72%

Run 6: Report of PCC-Allegro — Data Link

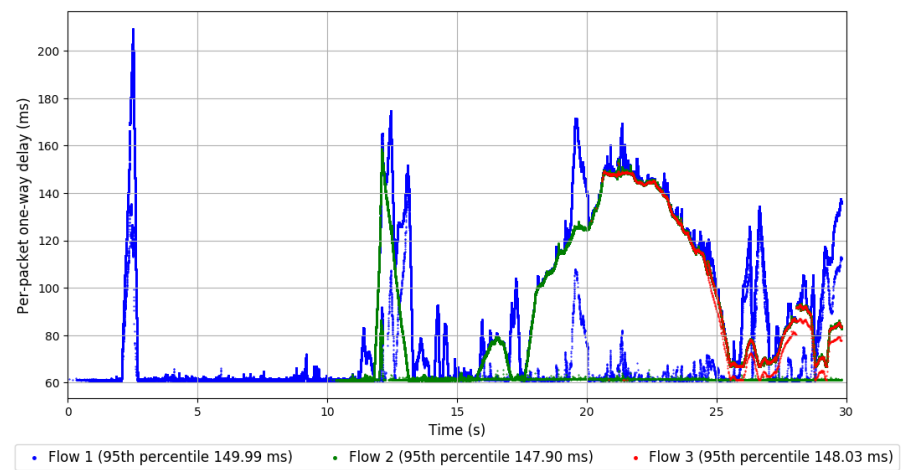
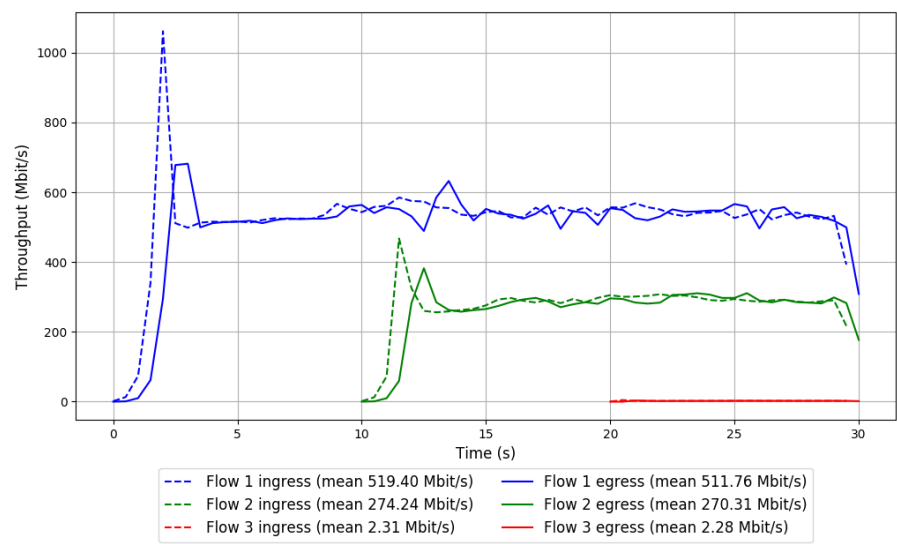


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-02 23:08:14
End at: 2018-08-02 23:08:44
Local clock offset: 0.01 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-08-03 03:24:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 691.72 Mbit/s
95th percentile per-packet one-way delay: 148.618 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 511.76 Mbit/s
95th percentile per-packet one-way delay: 149.990 ms
Loss rate: 1.89%
-- Flow 2:
Average throughput: 270.31 Mbit/s
95th percentile per-packet one-way delay: 147.896 ms
Loss rate: 2.07%
-- Flow 3:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 148.033 ms
Loss rate: 3.17%

Run 7: Report of PCC-Allegro — Data Link

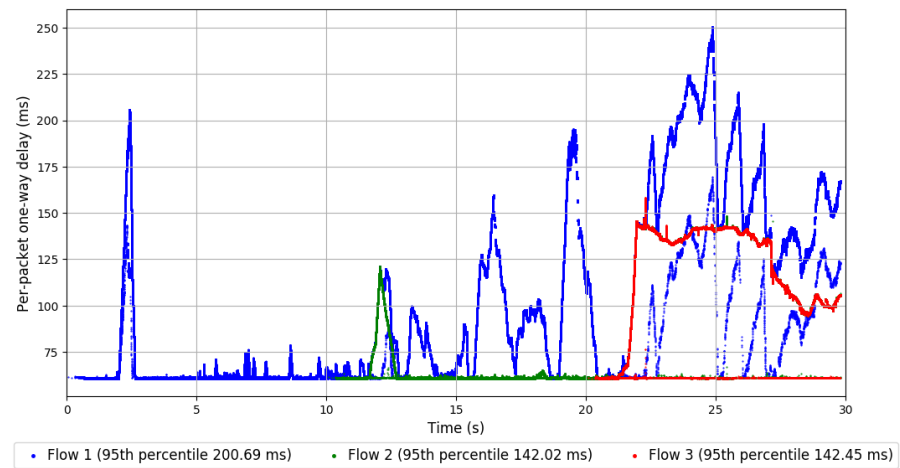
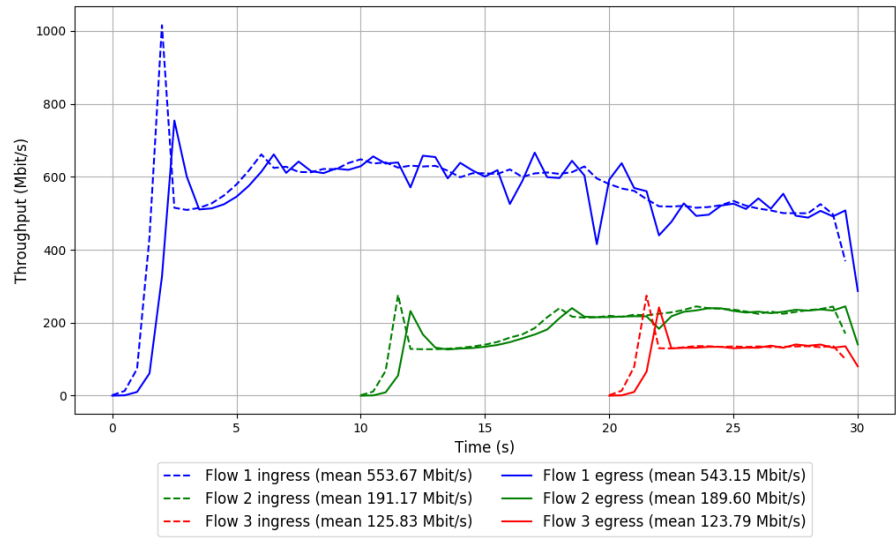


Run 8: Statistics of PCC-Allegro

Start at: 2018-08-02 23:34:38
End at: 2018-08-02 23:35:08
Local clock offset: -0.049 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-08-03 03:28:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 709.22 Mbit/s
95th percentile per-packet one-way delay: 191.075 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 543.15 Mbit/s
95th percentile per-packet one-way delay: 200.687 ms
Loss rate: 2.30%
-- Flow 2:
Average throughput: 189.60 Mbit/s
95th percentile per-packet one-way delay: 142.017 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 123.79 Mbit/s
95th percentile per-packet one-way delay: 142.453 ms
Loss rate: 2.91%

Run 8: Report of PCC-Allegro — Data Link

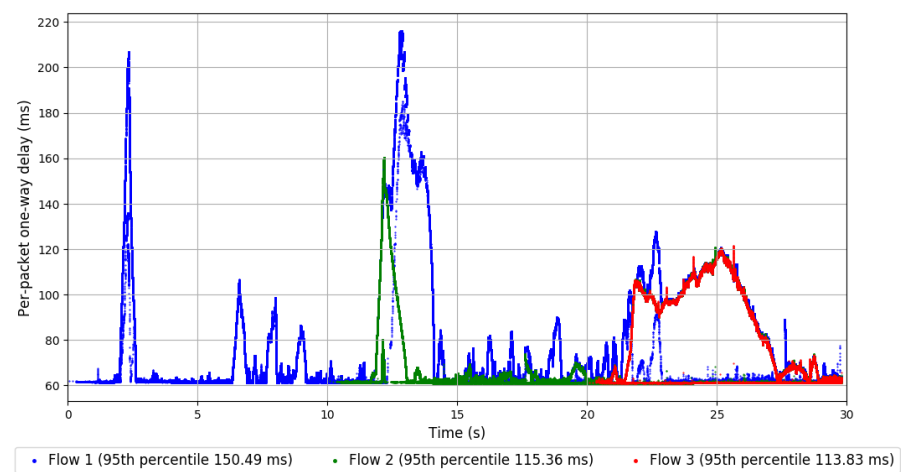
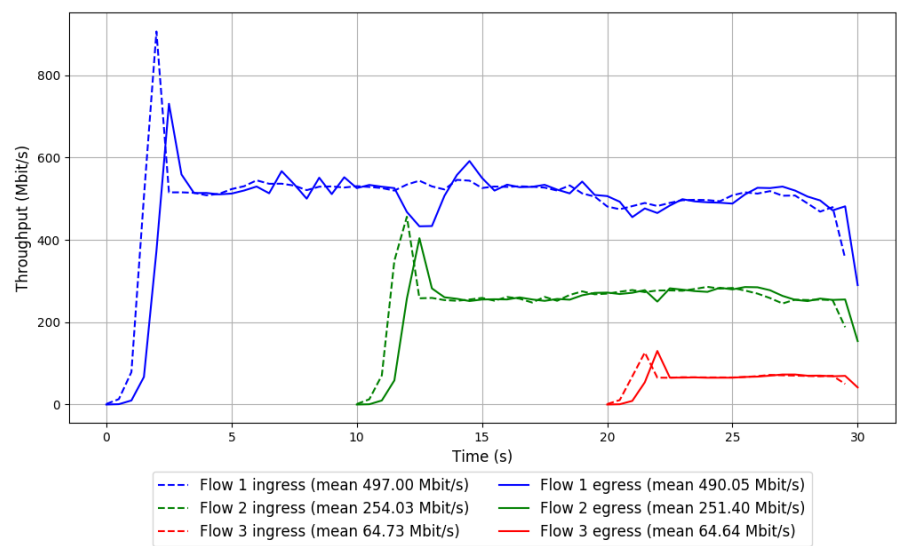


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-03 00:01:05
End at: 2018-08-03 00:01:35
Local clock offset: -0.103 ms
Remote clock offset: -0.396 ms

Below is generated by plot.py at 2018-08-03 03:31:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 677.80 Mbit/s
95th percentile per-packet one-way delay: 140.443 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 490.05 Mbit/s
95th percentile per-packet one-way delay: 150.485 ms
Loss rate: 1.80%
-- Flow 2:
Average throughput: 251.40 Mbit/s
95th percentile per-packet one-way delay: 115.363 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 64.64 Mbit/s
95th percentile per-packet one-way delay: 113.827 ms
Loss rate: 1.35%

Run 9: Report of PCC-Allegro — Data Link

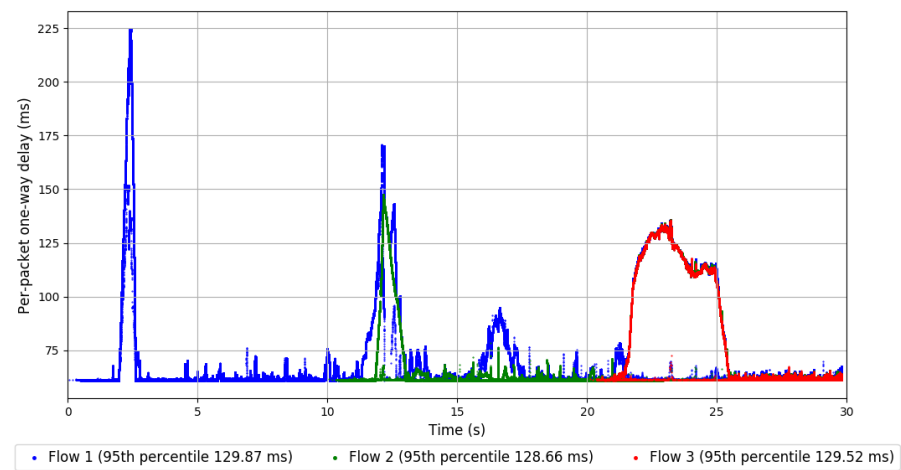
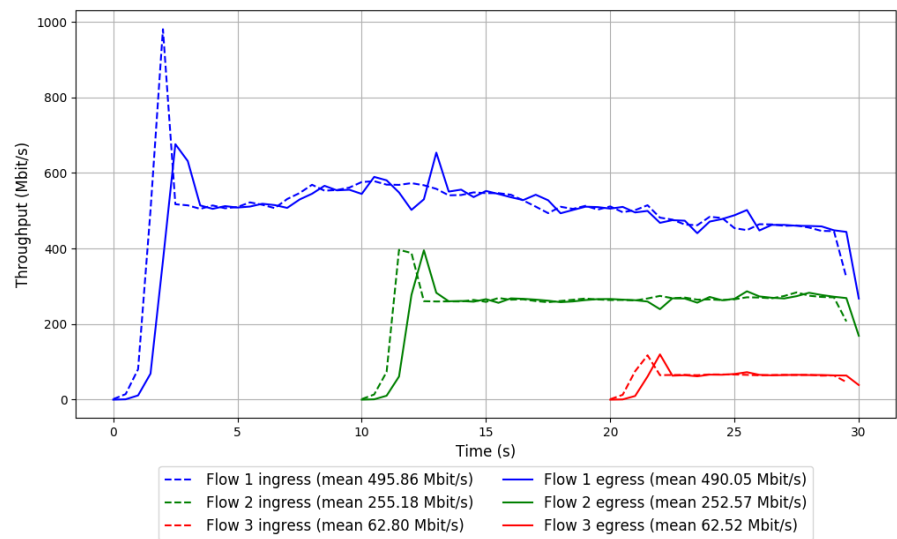


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-03 00:27:36
End at: 2018-08-03 00:28:06
Local clock offset: -0.013 ms
Remote clock offset: -0.281 ms

Below is generated by plot.py at 2018-08-03 03:31:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 678.00 Mbit/s
95th percentile per-packet one-way delay: 129.506 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 490.05 Mbit/s
95th percentile per-packet one-way delay: 129.870 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 252.57 Mbit/s
95th percentile per-packet one-way delay: 128.665 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 62.52 Mbit/s
95th percentile per-packet one-way delay: 129.518 ms
Loss rate: 1.69%

Run 10: Report of PCC-Allegro — Data Link

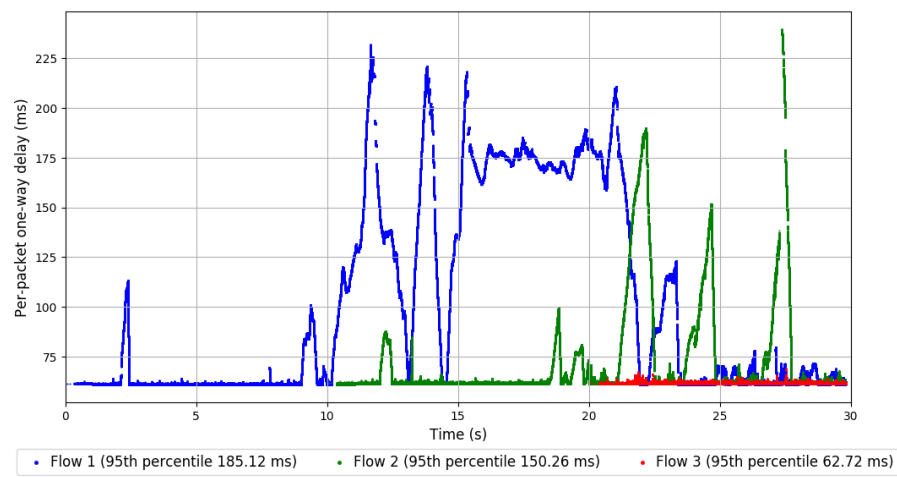
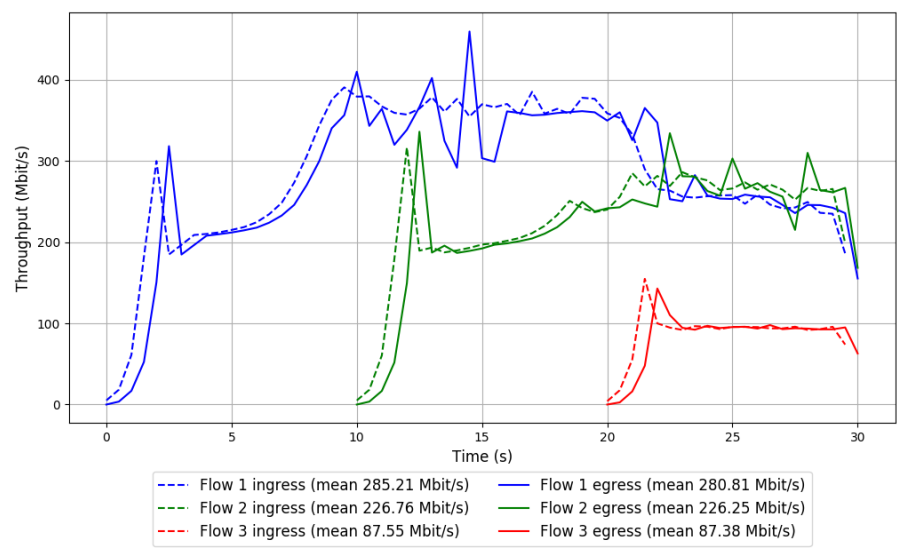


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-02 20:31:18
End at: 2018-08-02 20:31:48
Local clock offset: -0.016 ms
Remote clock offset: -0.336 ms

# Below is generated by plot.py at 2018-08-03 03:35:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 459.62 Mbit/s
95th percentile per-packet one-way delay: 180.773 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 280.81 Mbit/s
95th percentile per-packet one-way delay: 185.125 ms
Loss rate: 1.95%
-- Flow 2:
Average throughput: 226.25 Mbit/s
95th percentile per-packet one-way delay: 150.265 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 87.38 Mbit/s
95th percentile per-packet one-way delay: 62.723 ms
Loss rate: 1.44%
```


Run 1: Report of PCC-Expr — Data Link

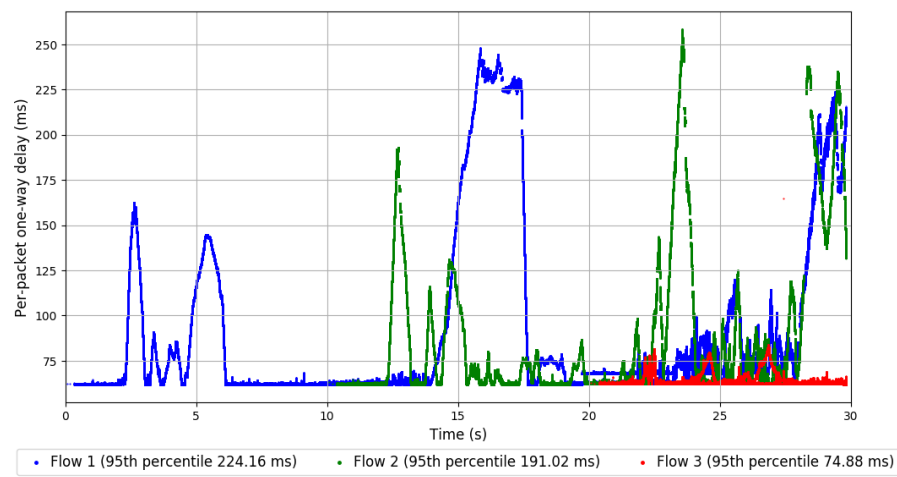
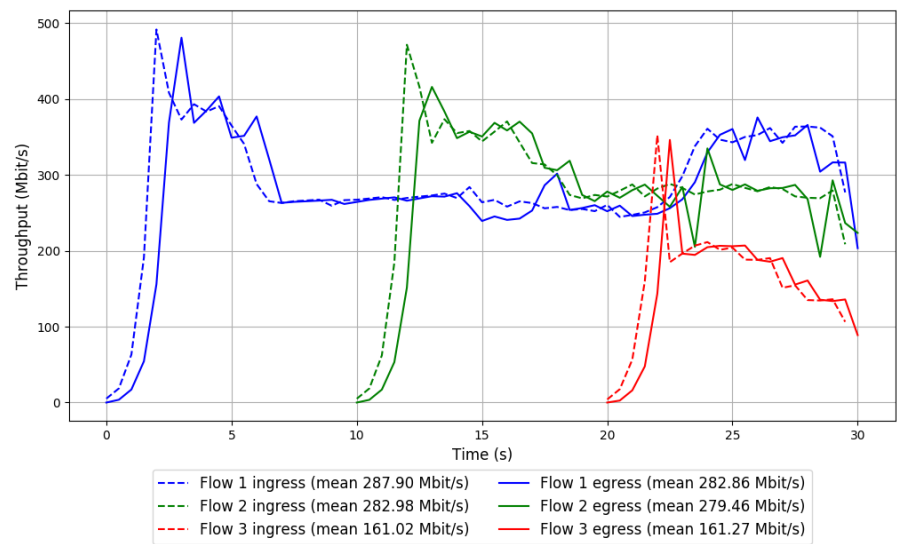


```
Run 2: Statistics of PCC-Expr

Start at: 2018-08-02 20:58:09
End at: 2018-08-02 20:58:39
Local clock offset: -0.035 ms
Remote clock offset: -1.354 ms

# Below is generated by plot.py at 2018-08-03 03:38:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 521.16 Mbit/s
95th percentile per-packet one-way delay: 205.512 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 282.86 Mbit/s
95th percentile per-packet one-way delay: 224.155 ms
Loss rate: 2.15%
-- Flow 2:
Average throughput: 279.46 Mbit/s
95th percentile per-packet one-way delay: 191.018 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 161.27 Mbit/s
95th percentile per-packet one-way delay: 74.877 ms
Loss rate: 1.09%
```

Run 2: Report of PCC-Expr — Data Link

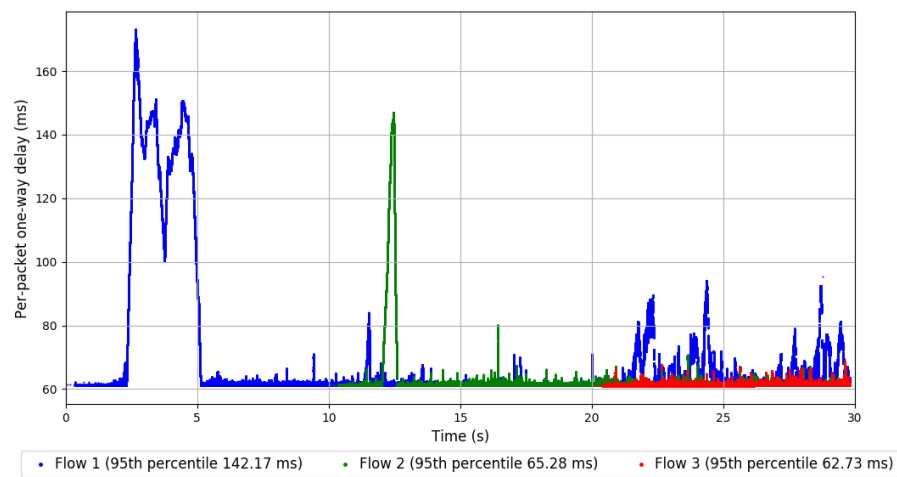
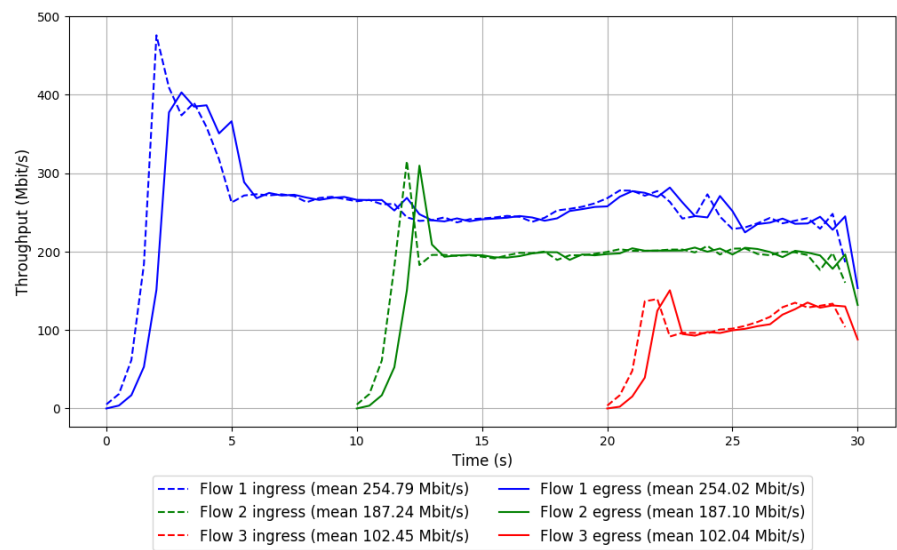


Run 3: Statistics of PCC-Expr

Start at: 2018-08-02 21:24:45
End at: 2018-08-02 21:25:15
Local clock offset: -0.011 ms
Remote clock offset: -0.307 ms

Below is generated by plot.py at 2018-08-03 03:38:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 411.60 Mbit/s
95th percentile per-packet one-way delay: 134.608 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 254.02 Mbit/s
95th percentile per-packet one-way delay: 142.173 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 187.10 Mbit/s
95th percentile per-packet one-way delay: 65.279 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 102.04 Mbit/s
95th percentile per-packet one-way delay: 62.729 ms
Loss rate: 1.71%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-02 21:51:22

End at: 2018-08-02 21:51:52

Local clock offset: -0.066 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-08-03 03:40:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 471.54 Mbit/s

95th percentile per-packet one-way delay: 193.429 ms

Loss rate: 4.46%

-- Flow 1:

Average throughput: 288.08 Mbit/s

95th percentile per-packet one-way delay: 197.475 ms

Loss rate: 6.66%

-- Flow 2:

Average throughput: 228.09 Mbit/s

95th percentile per-packet one-way delay: 168.804 ms

Loss rate: 0.63%

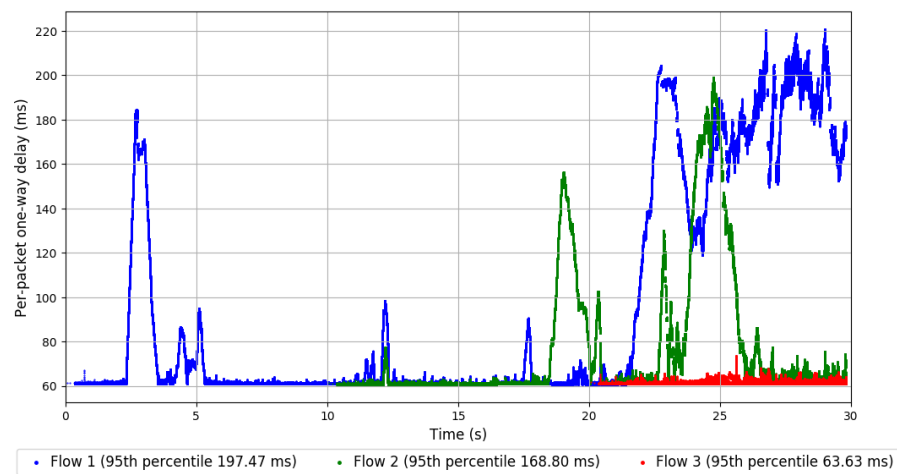
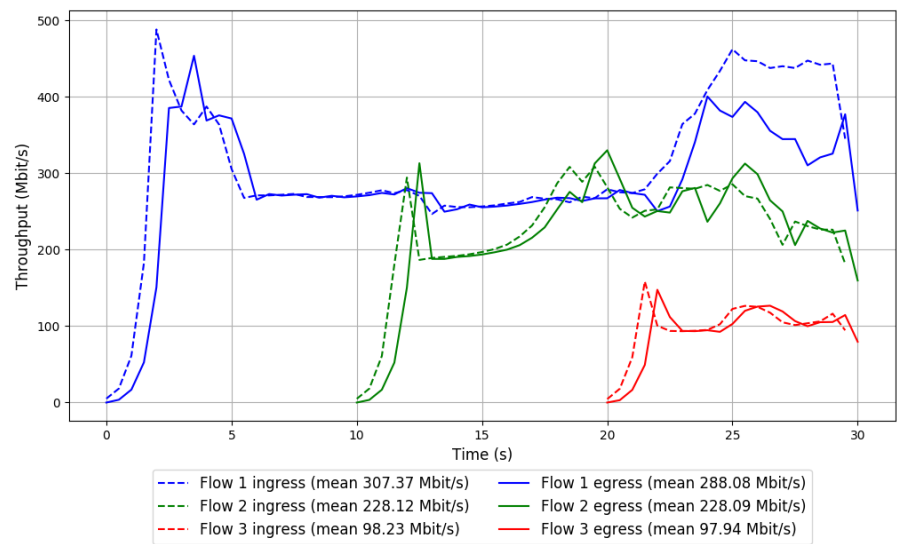
-- Flow 3:

Average throughput: 97.94 Mbit/s

95th percentile per-packet one-way delay: 63.630 ms

Loss rate: 1.56%

Run 4: Report of PCC-Expr — Data Link

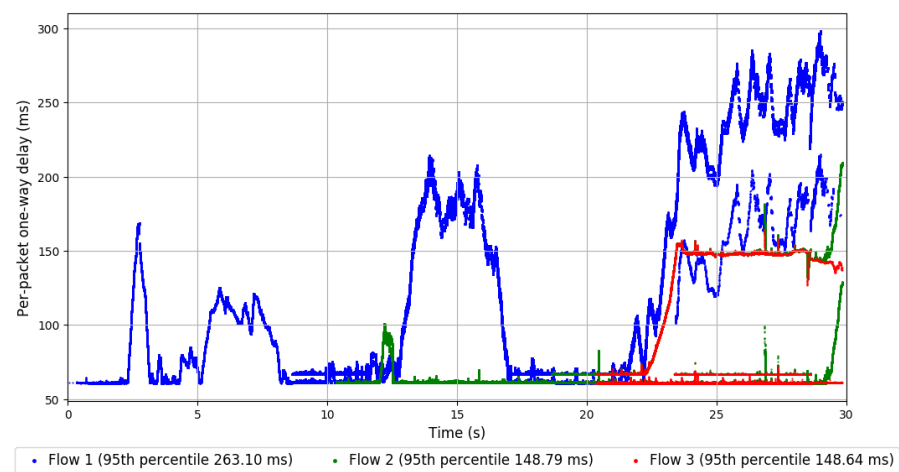
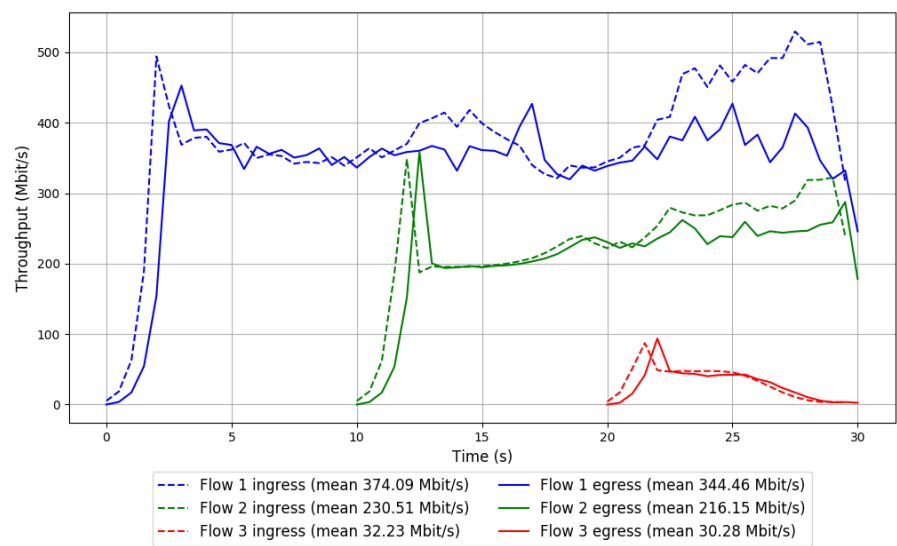


Run 5: Statistics of PCC-Expr

Start at: 2018-08-02 22:18:10
End at: 2018-08-02 22:18:40
Local clock offset: -0.124 ms
Remote clock offset: -0.218 ms

Below is generated by plot.py at 2018-08-03 03:43:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 497.82 Mbit/s
95th percentile per-packet one-way delay: 256.553 ms
Loss rate: 7.85%
-- Flow 1:
Average throughput: 344.46 Mbit/s
95th percentile per-packet one-way delay: 263.097 ms
Loss rate: 8.30%
-- Flow 2:
Average throughput: 216.15 Mbit/s
95th percentile per-packet one-way delay: 148.787 ms
Loss rate: 6.81%
-- Flow 3:
Average throughput: 30.28 Mbit/s
95th percentile per-packet one-way delay: 148.644 ms
Loss rate: 7.16%

Run 5: Report of PCC-Expr — Data Link

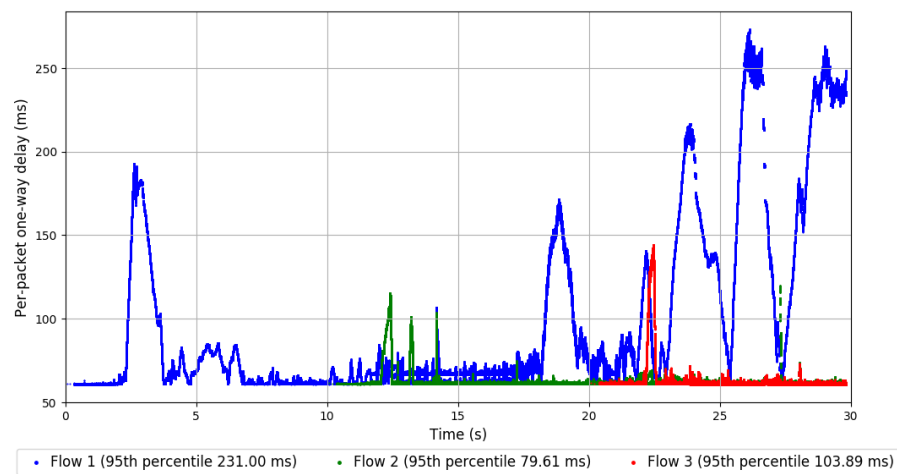
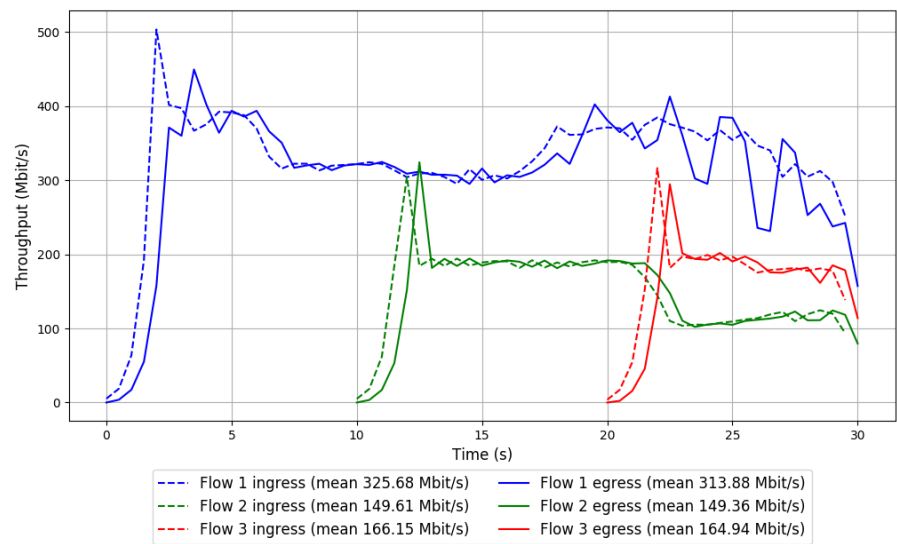


Run 6: Statistics of PCC-Expr

Start at: 2018-08-02 22:43:47
End at: 2018-08-02 22:44:17
Local clock offset: -0.143 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-08-03 03:45:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 467.05 Mbit/s
95th percentile per-packet one-way delay: 196.708 ms
Loss rate: 3.11%
-- Flow 1:
Average throughput: 313.88 Mbit/s
95th percentile per-packet one-way delay: 230.998 ms
Loss rate: 4.02%
-- Flow 2:
Average throughput: 149.36 Mbit/s
95th percentile per-packet one-way delay: 79.612 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 164.94 Mbit/s
95th percentile per-packet one-way delay: 103.893 ms
Loss rate: 1.96%

Run 6: Report of PCC-Expr — Data Link

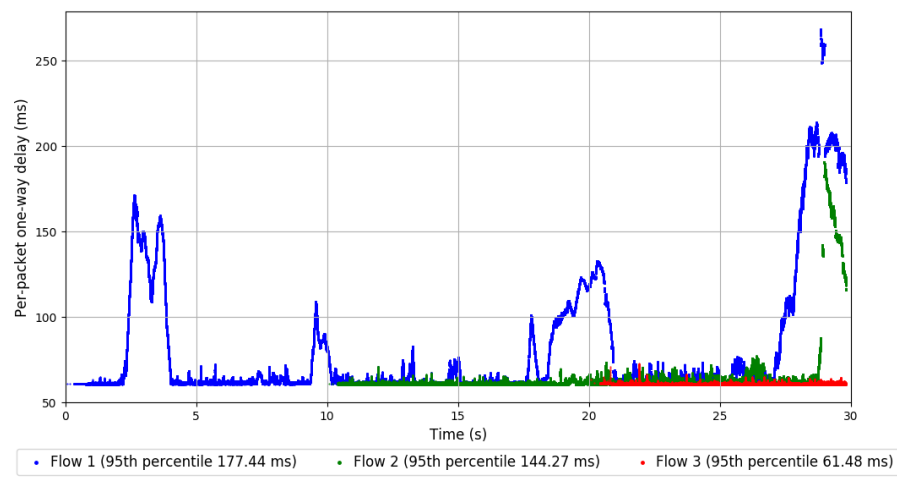
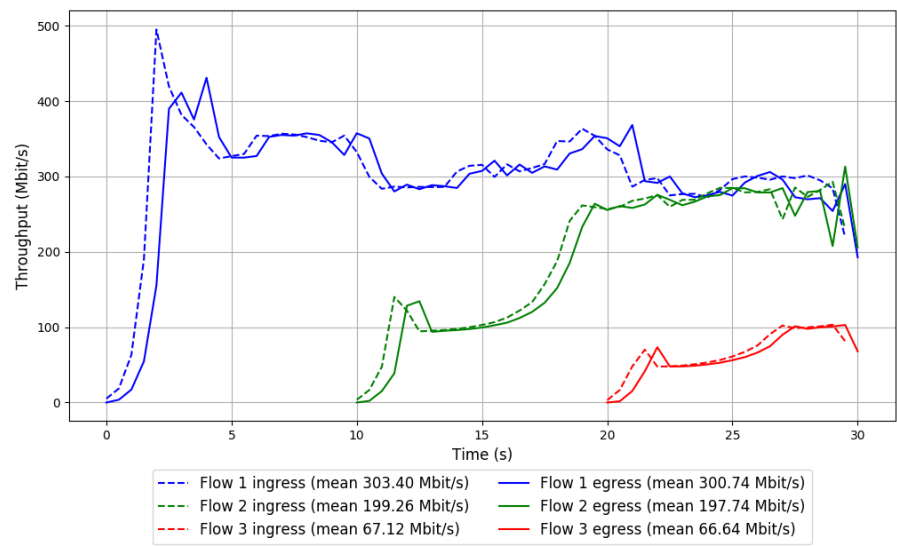


Run 7: Statistics of PCC-Expr

Start at: 2018-08-02 23:09:50
End at: 2018-08-02 23:10:20
Local clock offset: -0.007 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-08-03 03:48:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 453.77 Mbit/s
95th percentile per-packet one-way delay: 158.257 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 300.74 Mbit/s
95th percentile per-packet one-way delay: 177.435 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 197.74 Mbit/s
95th percentile per-packet one-way delay: 144.268 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 66.64 Mbit/s
95th percentile per-packet one-way delay: 61.479 ms
Loss rate: 1.97%

Run 7: Report of PCC-Expr — Data Link

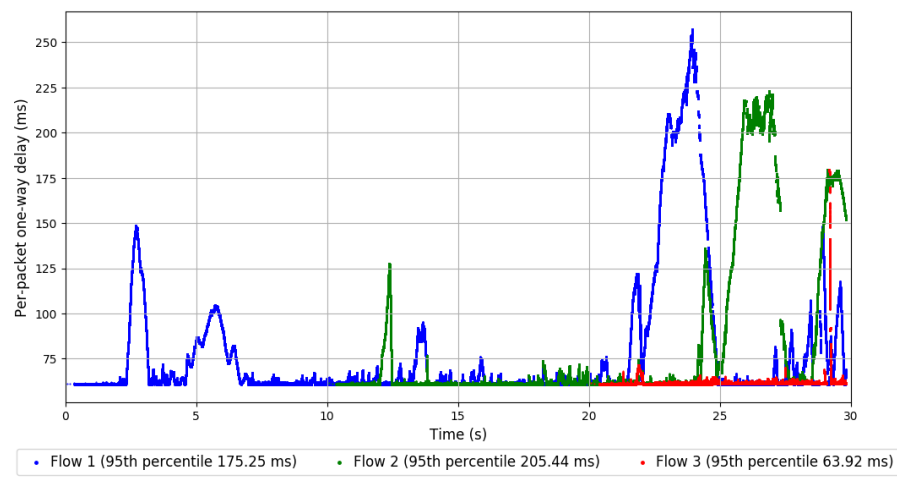
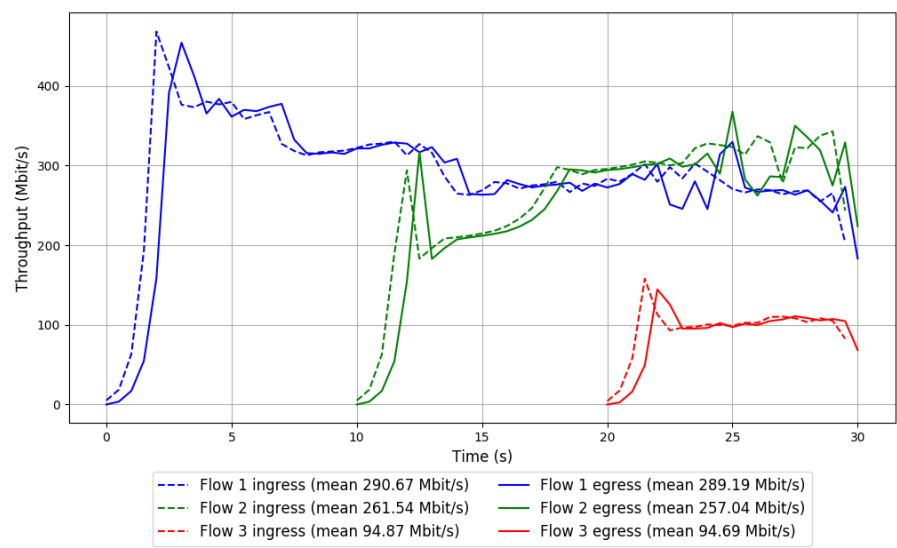


Run 8: Statistics of PCC-Expr

Start at: 2018-08-02 23:36:14
End at: 2018-08-02 23:36:44
Local clock offset: -0.004 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2018-08-03 03:50:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 490.75 Mbit/s
95th percentile per-packet one-way delay: 190.955 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 289.19 Mbit/s
95th percentile per-packet one-way delay: 175.253 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 257.04 Mbit/s
95th percentile per-packet one-way delay: 205.435 ms
Loss rate: 2.32%
-- Flow 3:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 63.920 ms
Loss rate: 1.49%

Run 8: Report of PCC-Expr — Data Link

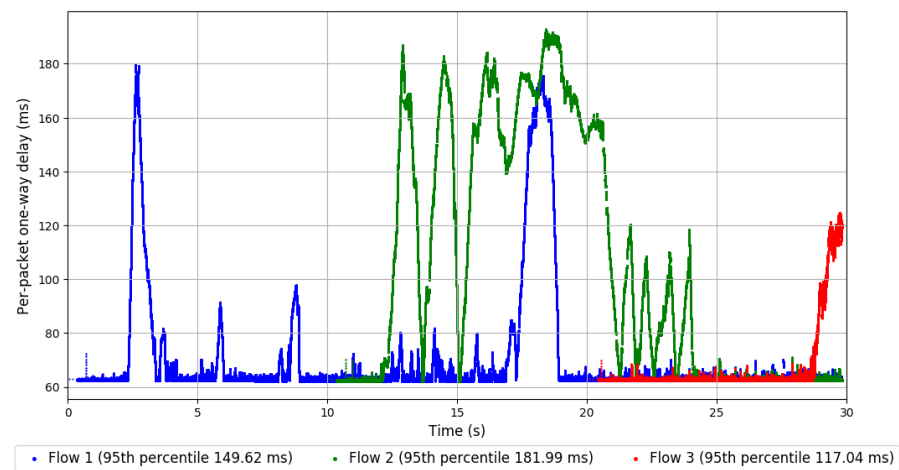
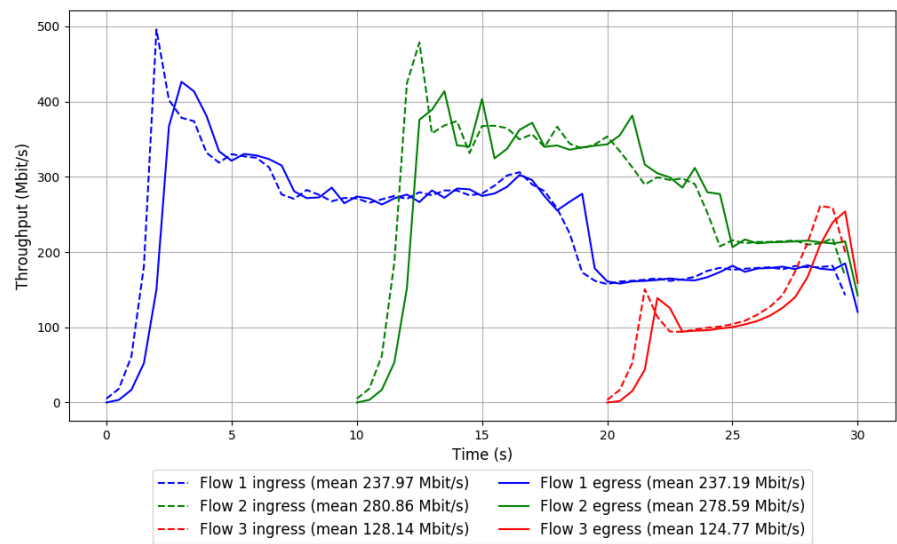


Run 9: Statistics of PCC-Expr

Start at: 2018-08-03 00:02:42
End at: 2018-08-03 00:03:12
Local clock offset: -0.033 ms
Remote clock offset: -1.535 ms

Below is generated by plot.py at 2018-08-03 03:53:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 462.97 Mbit/s
95th percentile per-packet one-way delay: 174.057 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 237.19 Mbit/s
95th percentile per-packet one-way delay: 149.623 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 278.59 Mbit/s
95th percentile per-packet one-way delay: 181.985 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 124.77 Mbit/s
95th percentile per-packet one-way delay: 117.042 ms
Loss rate: 3.84%

Run 9: Report of PCC-Expr — Data Link

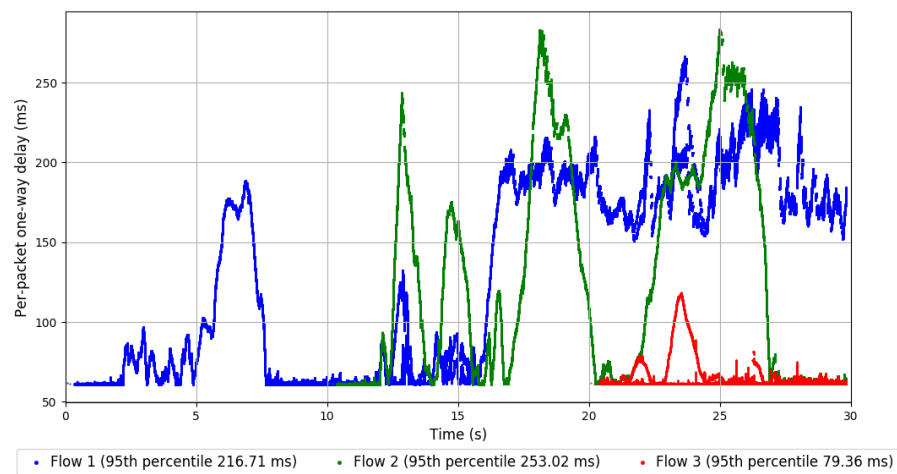
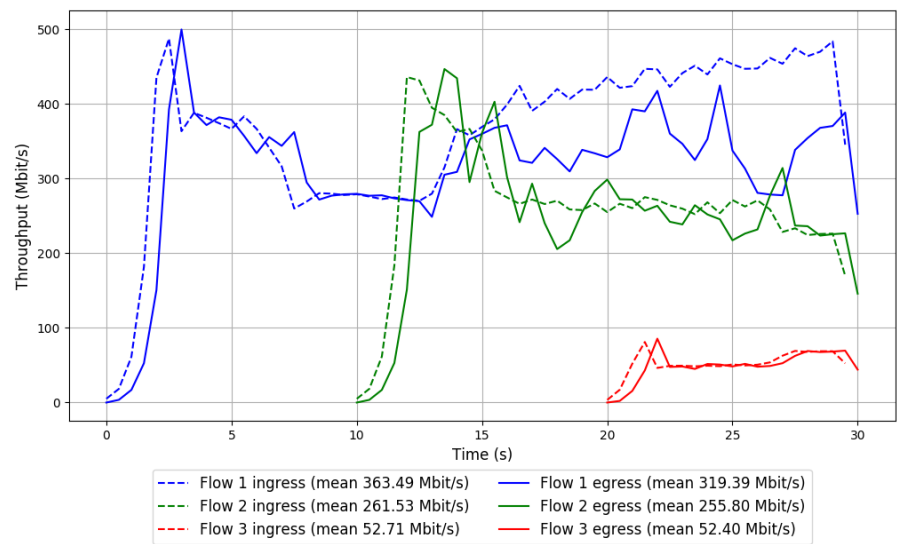


Run 10: Statistics of PCC-Expr

Start at: 2018-08-03 00:29:12
End at: 2018-08-03 00:29:42
Local clock offset: -0.056 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-08-03 03:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 506.32 Mbit/s
95th percentile per-packet one-way delay: 228.413 ms
Loss rate: 9.12%
-- Flow 1:
Average throughput: 319.39 Mbit/s
95th percentile per-packet one-way delay: 216.710 ms
Loss rate: 12.50%
-- Flow 2:
Average throughput: 255.80 Mbit/s
95th percentile per-packet one-way delay: 253.023 ms
Loss rate: 2.79%
-- Flow 3:
Average throughput: 52.40 Mbit/s
95th percentile per-packet one-way delay: 79.356 ms
Loss rate: 1.86%

Run 10: Report of PCC-Expr — Data Link

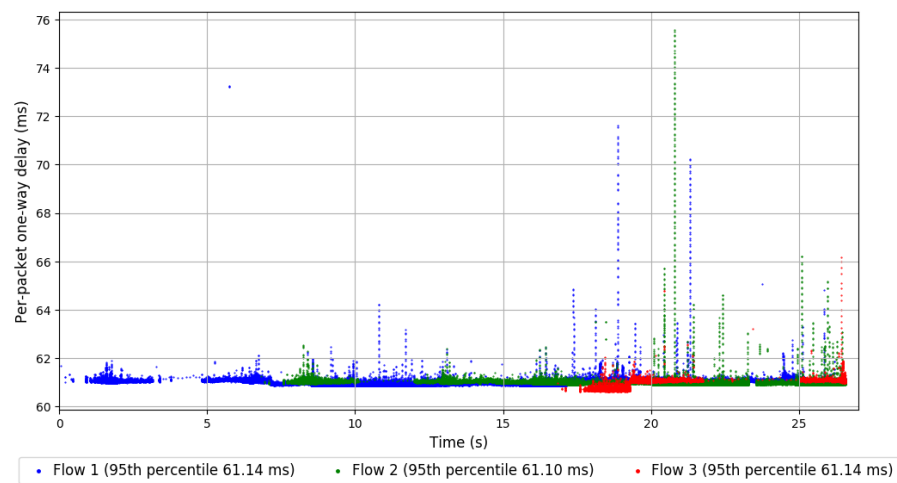
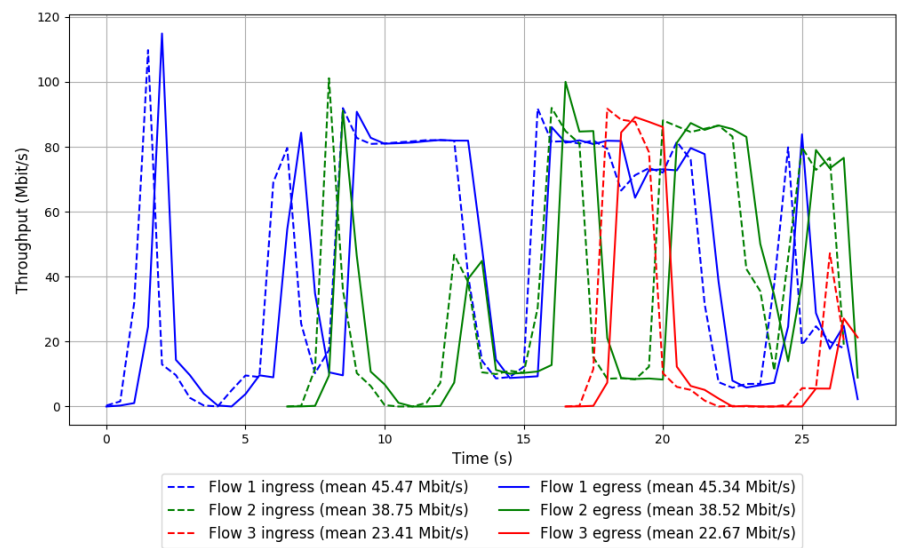


Run 1: Statistics of QUIC Cubic

Start at: 2018-08-02 20:28:28
End at: 2018-08-02 20:28:58
Local clock offset: -0.06 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-08-03 03:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.37 Mbit/s
95th percentile per-packet one-way delay: 61.132 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 45.34 Mbit/s
95th percentile per-packet one-way delay: 61.140 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 38.52 Mbit/s
95th percentile per-packet one-way delay: 61.102 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 22.67 Mbit/s
95th percentile per-packet one-way delay: 61.144 ms
Loss rate: 4.34%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-02 20:55:20

End at: 2018-08-02 20:55:50

Local clock offset: -0.004 ms

Remote clock offset: 0.133 ms

Below is generated by plot.py at 2018-08-03 03:57:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.54 Mbit/s

95th percentile per-packet one-way delay: 61.246 ms

Loss rate: 1.27%

-- Flow 1:

Average throughput: 52.98 Mbit/s

95th percentile per-packet one-way delay: 60.897 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 34.27 Mbit/s

95th percentile per-packet one-way delay: 61.384 ms

Loss rate: 1.54%

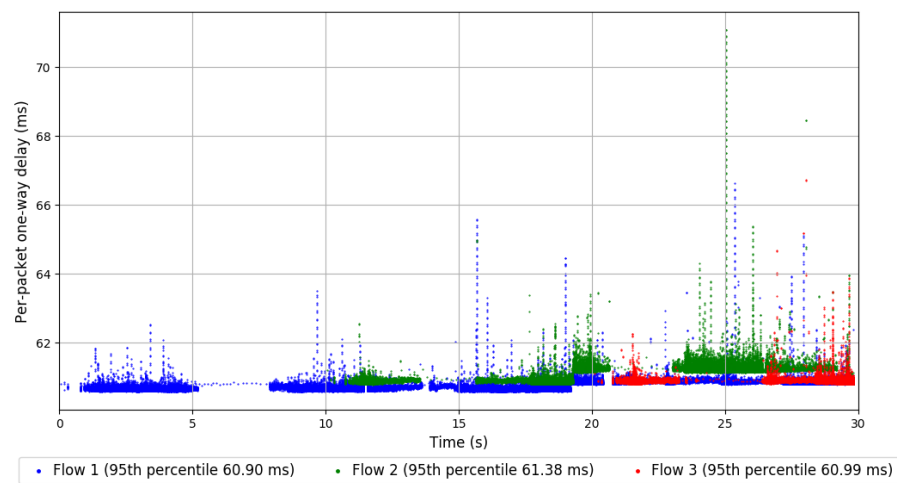
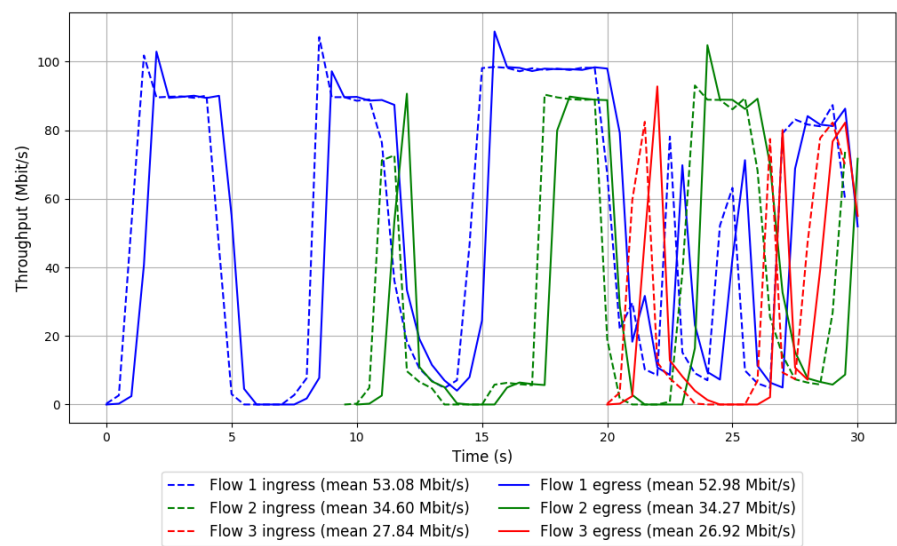
-- Flow 3:

Average throughput: 26.92 Mbit/s

95th percentile per-packet one-way delay: 60.995 ms

Loss rate: 4.49%

Run 2: Report of QUIC Cubic — Data Link

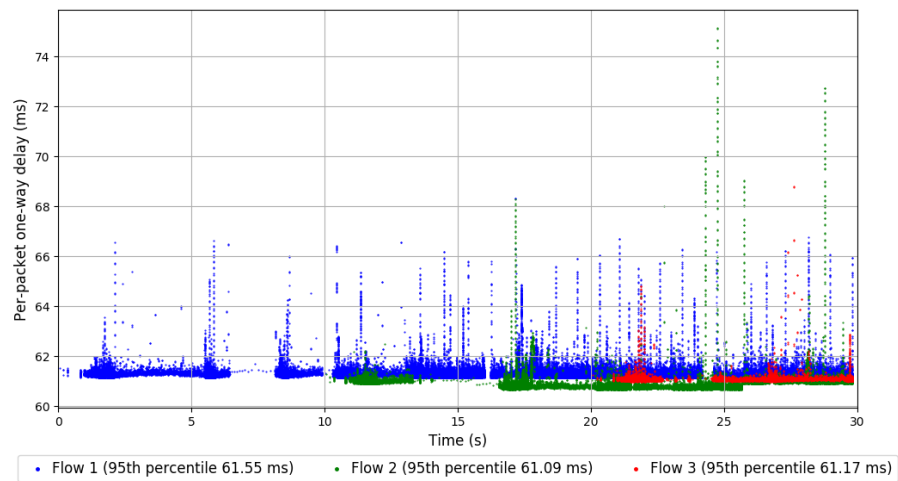
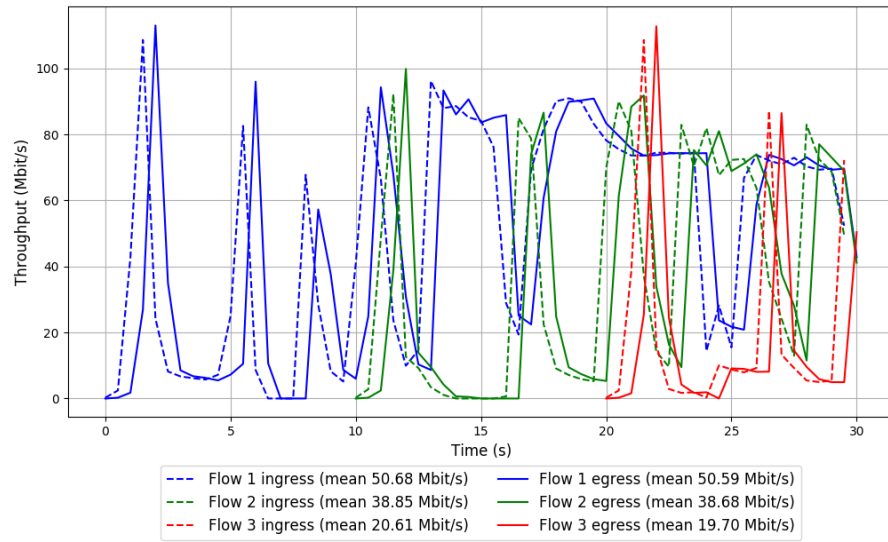


Run 3: Statistics of QUIC Cubic

Start at: 2018-08-02 21:21:53
End at: 2018-08-02 21:22:23
Local clock offset: -0.036 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-08-03 03:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.71 Mbit/s
95th percentile per-packet one-way delay: 61.472 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 50.59 Mbit/s
95th percentile per-packet one-way delay: 61.548 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 38.68 Mbit/s
95th percentile per-packet one-way delay: 61.087 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 19.70 Mbit/s
95th percentile per-packet one-way delay: 61.169 ms
Loss rate: 5.66%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-02 21:48:33

End at: 2018-08-02 21:49:03

Local clock offset: -0.102 ms

Remote clock offset: 1.358 ms

Below is generated by plot.py at 2018-08-03 03:57:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.41 Mbit/s

95th percentile per-packet one-way delay: 59.817 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 48.58 Mbit/s

95th percentile per-packet one-way delay: 59.674 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 43.19 Mbit/s

95th percentile per-packet one-way delay: 59.899 ms

Loss rate: 1.14%

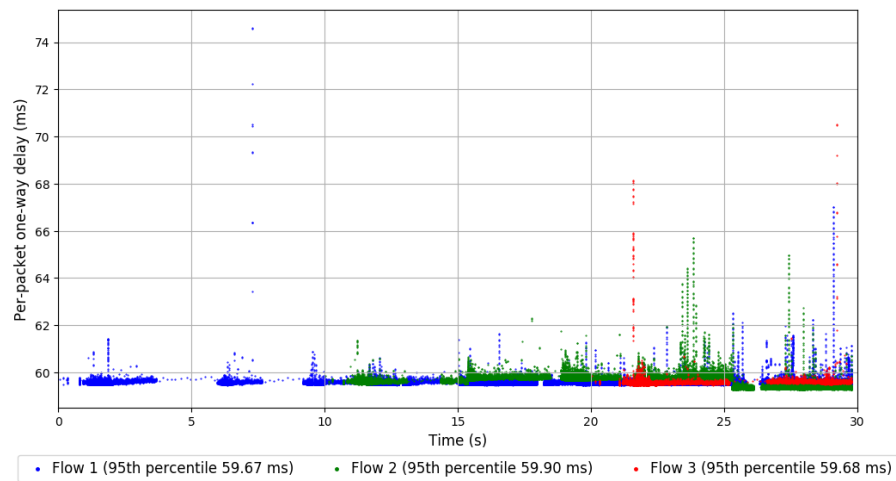
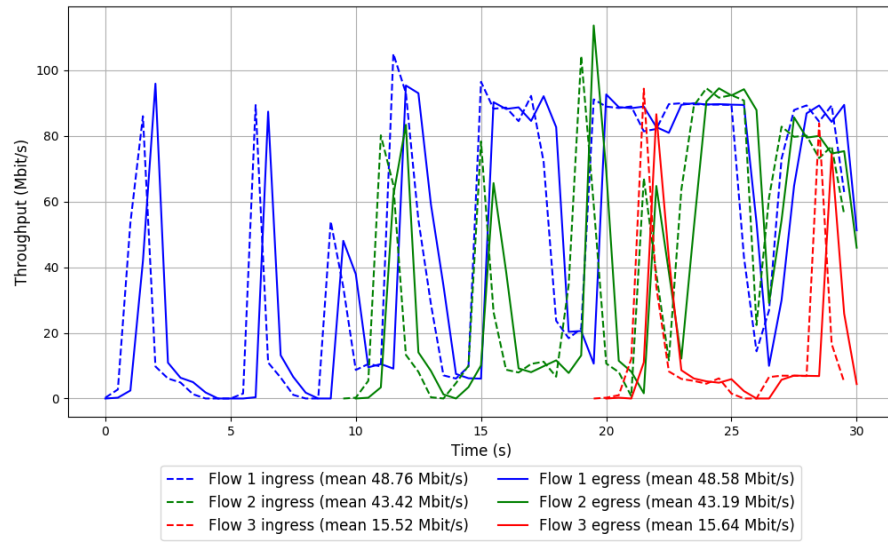
-- Flow 3:

Average throughput: 15.64 Mbit/s

95th percentile per-packet one-way delay: 59.679 ms

Loss rate: 0.53%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-02 22:15:20

End at: 2018-08-02 22:15:50

Local clock offset: -0.074 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-08-03 03:57:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.38 Mbit/s

95th percentile per-packet one-way delay: 61.316 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 59.40 Mbit/s

95th percentile per-packet one-way delay: 60.987 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 31.80 Mbit/s

95th percentile per-packet one-way delay: 61.581 ms

Loss rate: 1.81%

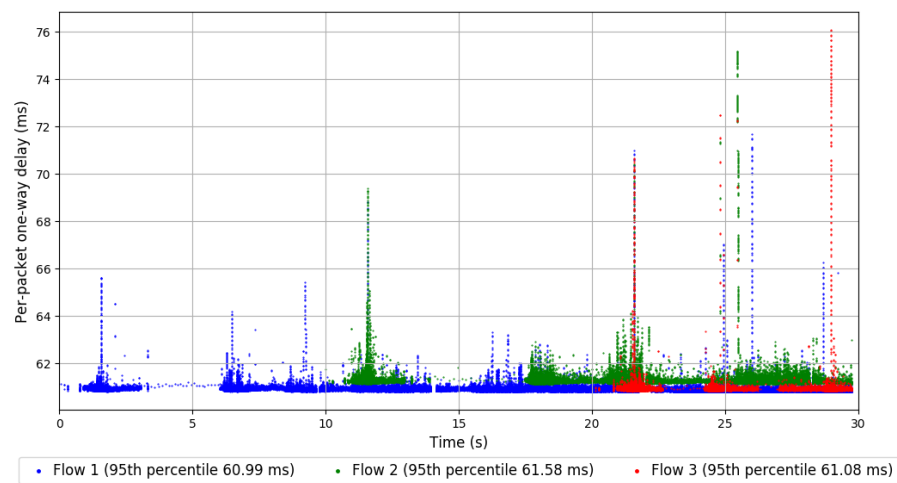
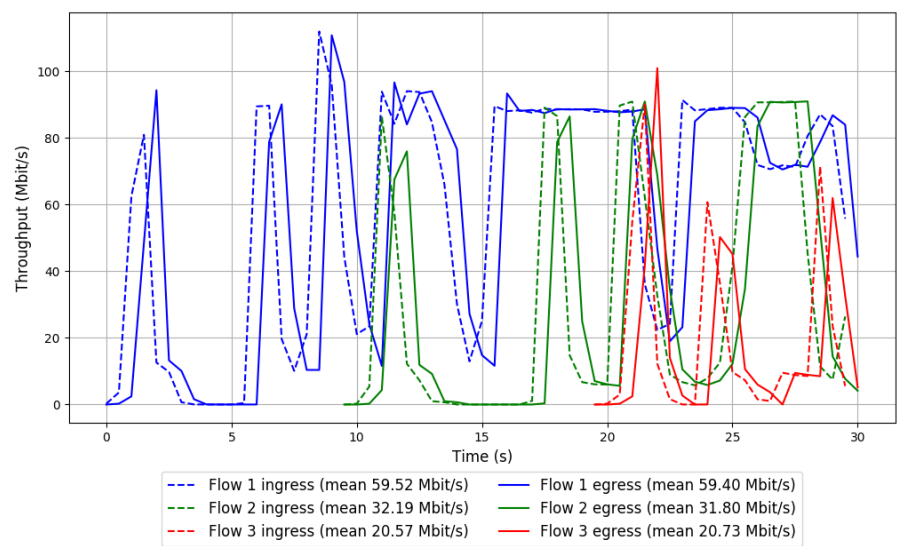
-- Flow 3:

Average throughput: 20.73 Mbit/s

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

Loss rate: 0.43%

Run 5: Report of QUIC Cubic — Data Link

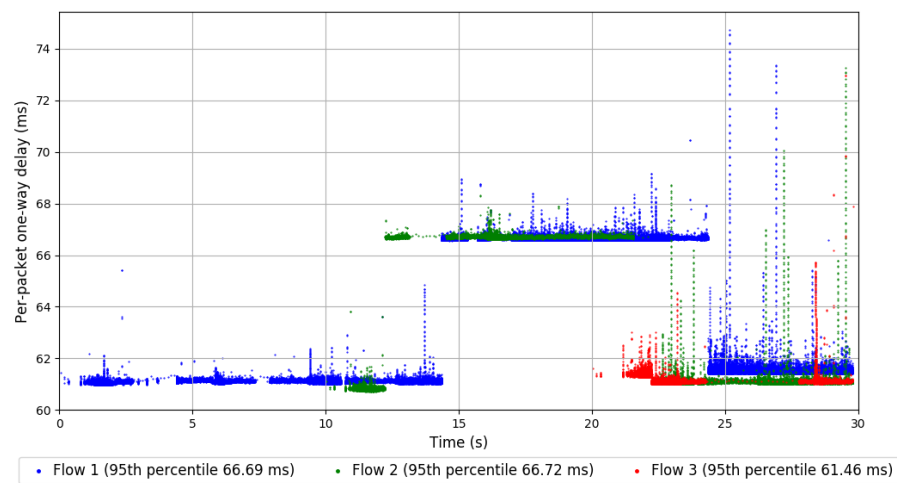
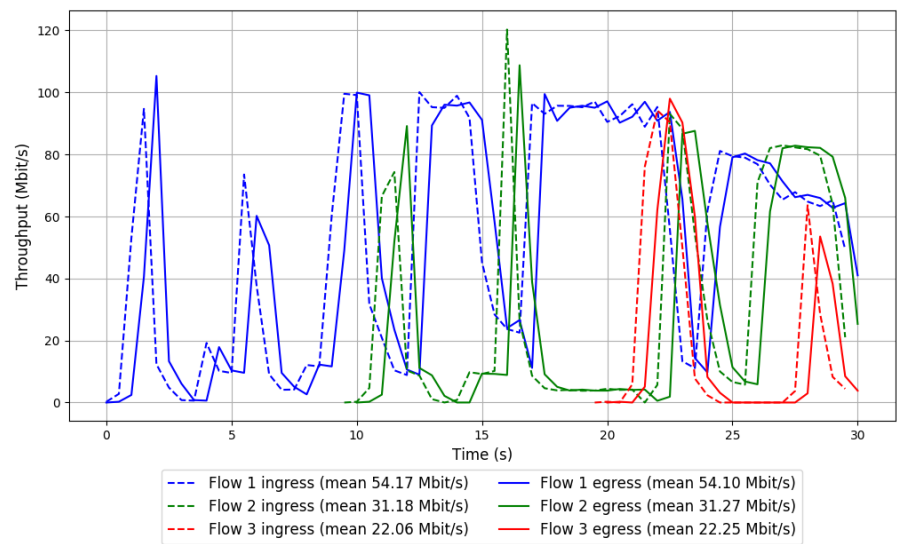


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-02 22:40:57
End at: 2018-08-02 22:41:27
Local clock offset: -0.07 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-08-03 03:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.16 Mbit/s
95th percentile per-packet one-way delay: 66.692 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 54.10 Mbit/s
95th percentile per-packet one-way delay: 66.687 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 66.717 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 22.25 Mbit/s
95th percentile per-packet one-way delay: 61.456 ms
Loss rate: 0.34%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-02 23:07:00

End at: 2018-08-02 23:07:30

Local clock offset: -0.017 ms

Remote clock offset: 1.153 ms

Below is generated by plot.py at 2018-08-03 03:57:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.12 Mbit/s

95th percentile per-packet one-way delay: 65.444 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 47.89 Mbit/s

95th percentile per-packet one-way delay: 59.842 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 46.70 Mbit/s

95th percentile per-packet one-way delay: 59.944 ms

Loss rate: 1.21%

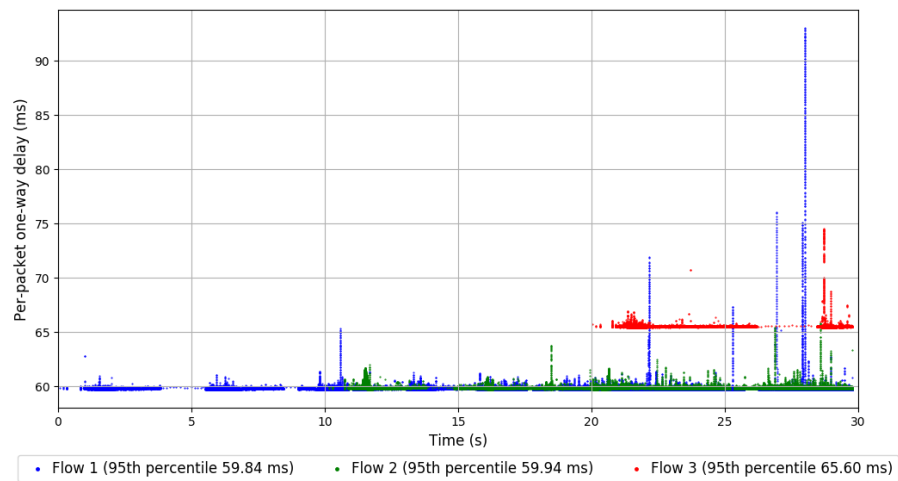
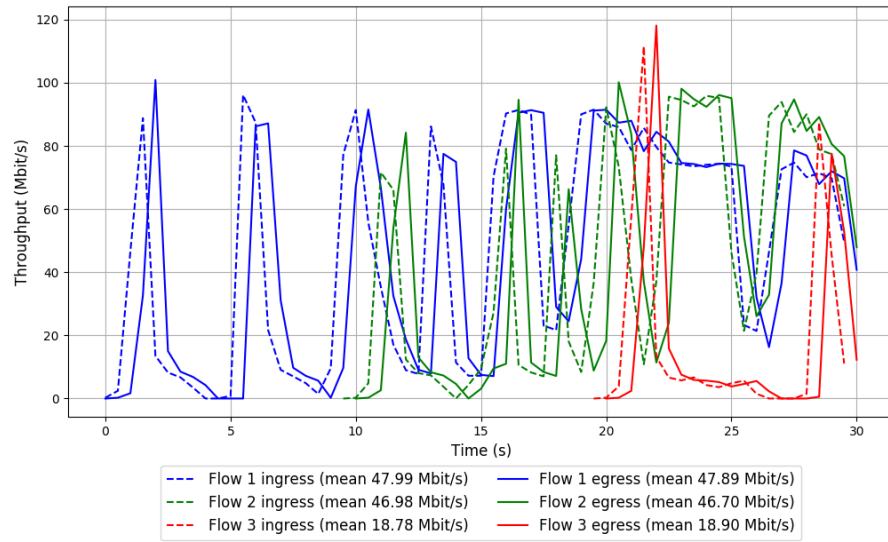
-- Flow 3:

Average throughput: 18.90 Mbit/s

95th percentile per-packet one-way delay: 65.601 ms

Loss rate: 0.62%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-02 23:33:24

End at: 2018-08-02 23:33:54

Local clock offset: -0.01 ms

Remote clock offset: 0.143 ms

Below is generated by plot.py at 2018-08-03 03:57:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.78 Mbit/s

95th percentile per-packet one-way delay: 61.010 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 52.29 Mbit/s

95th percentile per-packet one-way delay: 60.976 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 42.94 Mbit/s

95th percentile per-packet one-way delay: 60.990 ms

Loss rate: 0.17%

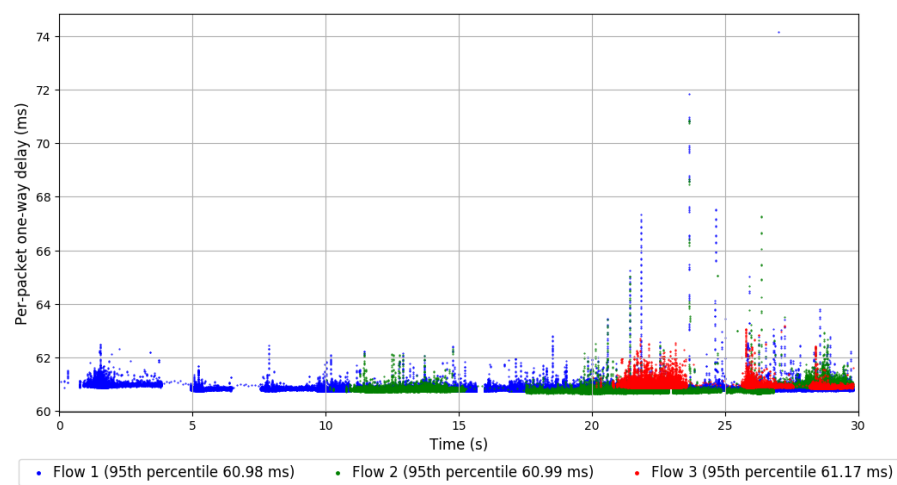
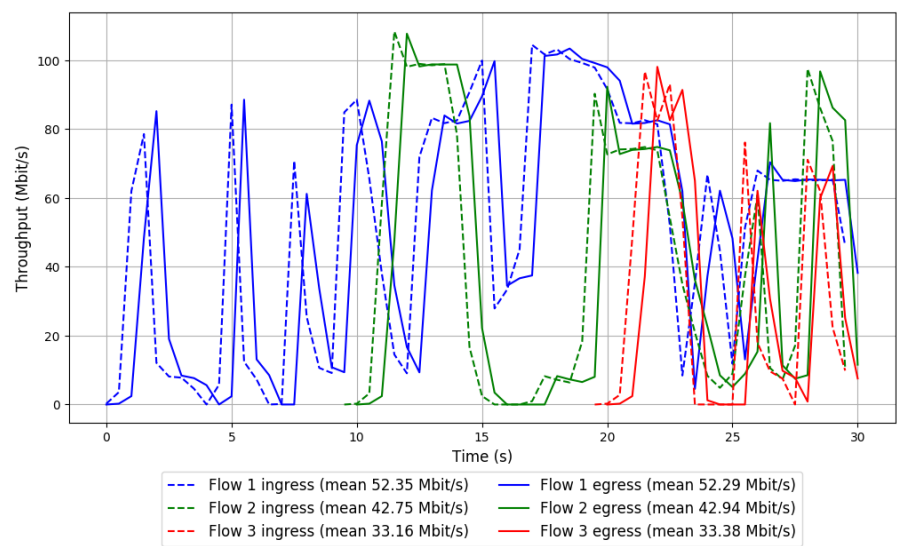
-- Flow 3:

Average throughput: 33.38 Mbit/s

95th percentile per-packet one-way delay: 61.172 ms

Loss rate: 0.54%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-02 23:59:51

End at: 2018-08-03 00:00:21

Local clock offset: -0.067 ms

Remote clock offset: -0.58 ms

Below is generated by plot.py at 2018-08-03 03:57:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.82 Mbit/s

95th percentile per-packet one-way delay: 61.655 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 45.31 Mbit/s

95th percentile per-packet one-way delay: 61.657 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 23.96 Mbit/s

95th percentile per-packet one-way delay: 61.658 ms

Loss rate: 1.72%

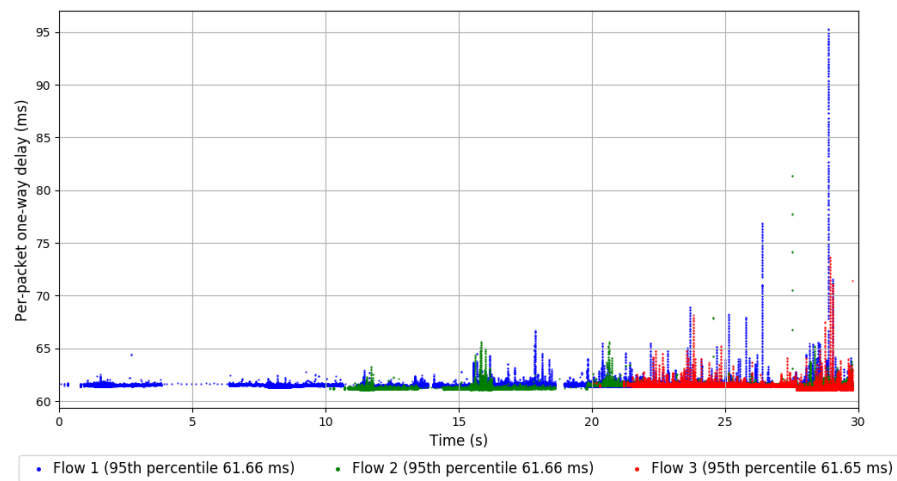
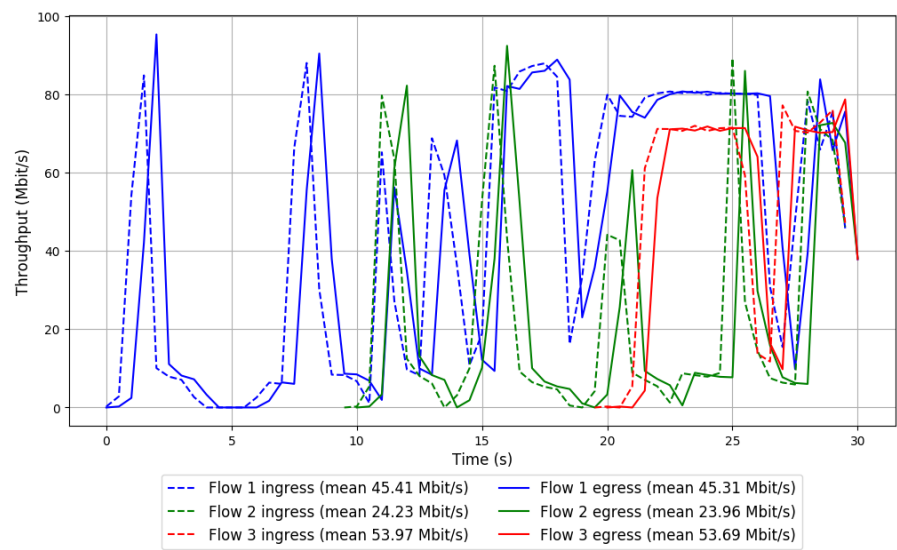
-- Flow 3:

Average throughput: 53.69 Mbit/s

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

Loss rate: 1.66%

Run 9: Report of QUIC Cubic — Data Link

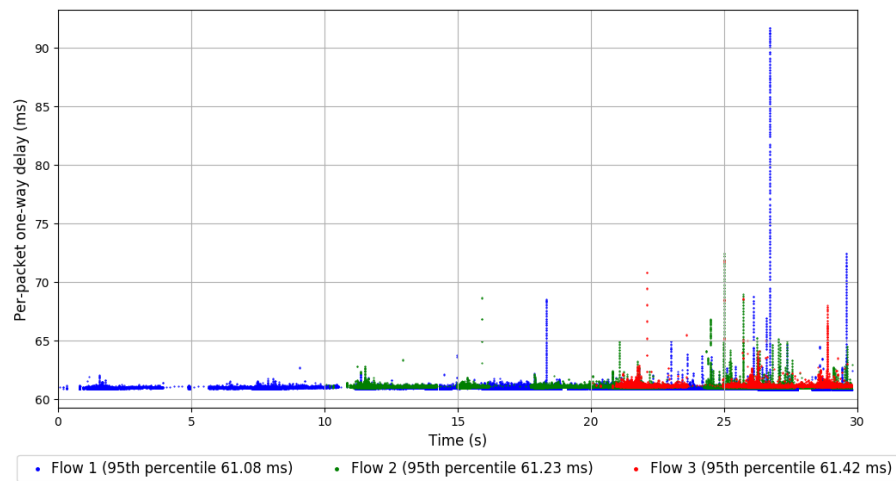
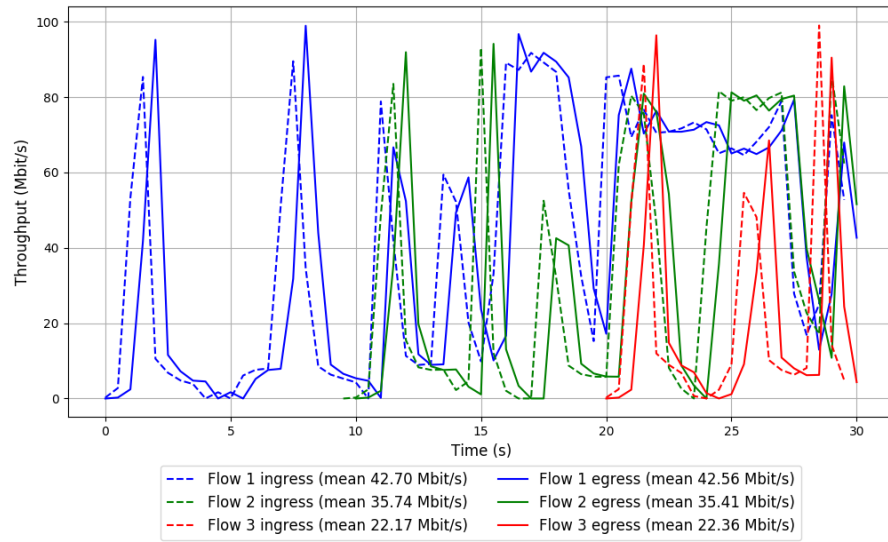


Run 10: Statistics of QUIC Cubic

Start at: 2018-08-03 00:26:23
End at: 2018-08-03 00:26:53
Local clock offset: -0.048 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-08-03 03:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.37 Mbit/s
95th percentile per-packet one-way delay: 61.208 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 42.56 Mbit/s
95th percentile per-packet one-way delay: 61.078 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 35.41 Mbit/s
95th percentile per-packet one-way delay: 61.226 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 22.36 Mbit/s
95th percentile per-packet one-way delay: 61.424 ms
Loss rate: 0.35%

Run 10: Report of QUIC Cubic — Data Link

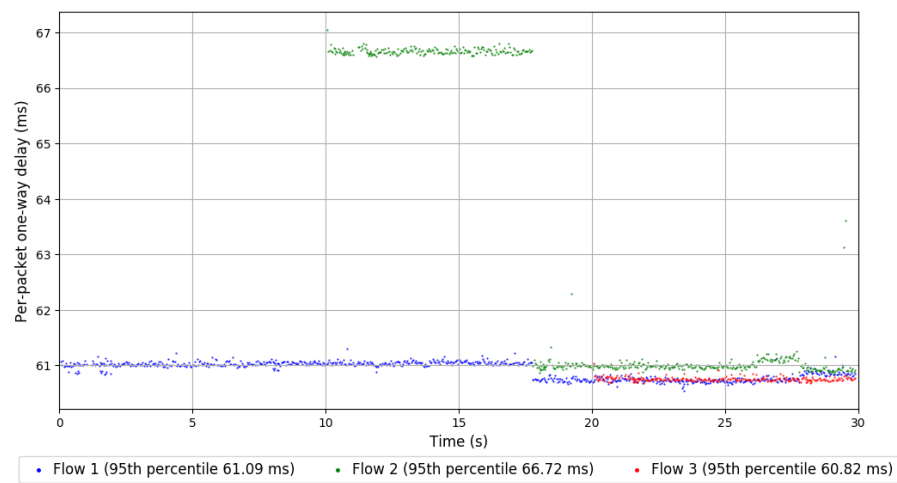
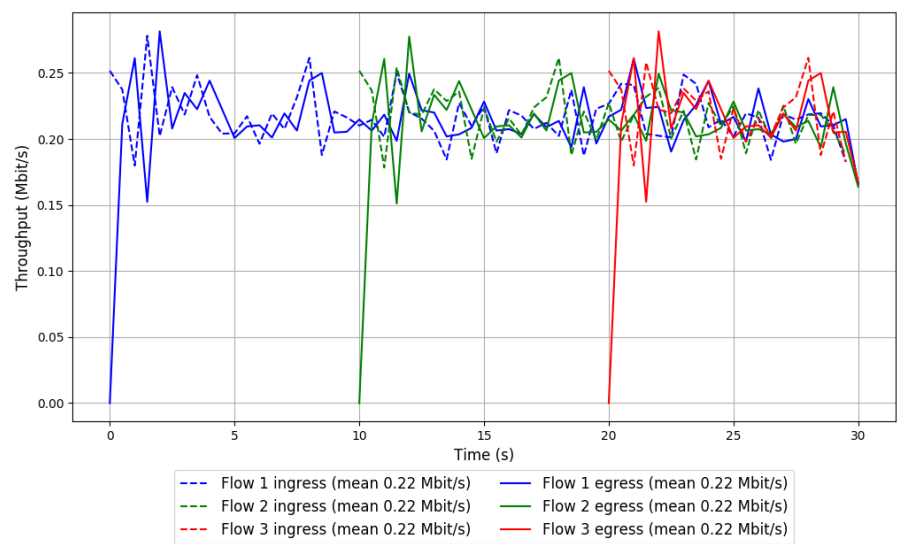


```
Run 1: Statistics of SCReAM

Start at: 2018-08-02 20:35:21
End at: 2018-08-02 20:35:51
Local clock offset: 0.011 ms
Remote clock offset: 0.142 ms

# Below is generated by plot.py at 2018-08-03 03:57:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 66.670 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.087 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.718 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.824 ms
Loss rate: 1.08%
```


Run 1: Report of SCReAM — Data Link

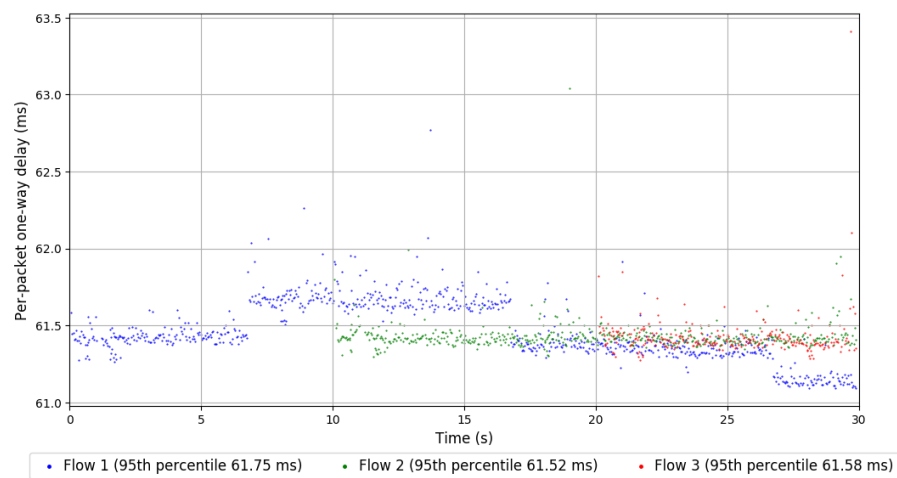
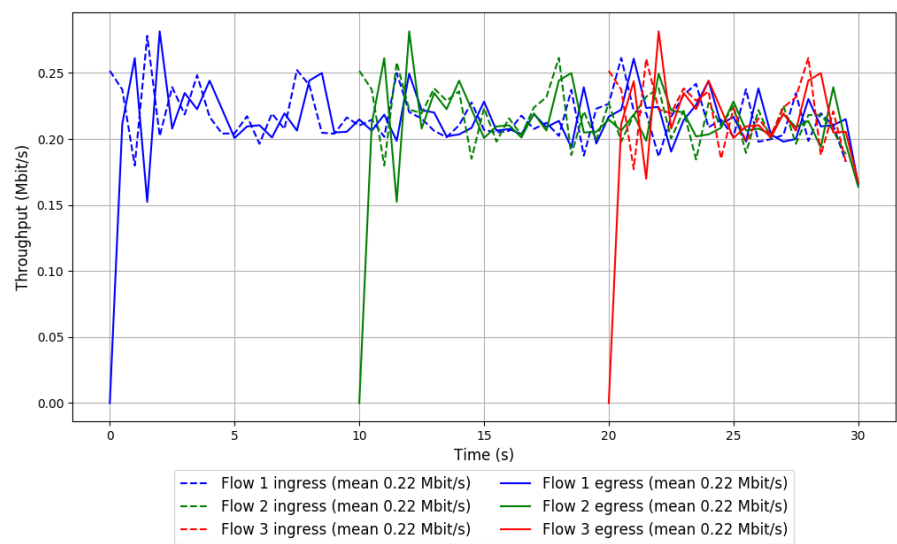


```
Run 2: Statistics of SReAM

Start at: 2018-08-02 21:02:12
End at: 2018-08-02 21:02:42
Local clock offset: -0.041 ms
Remote clock offset: -0.353 ms

# Below is generated by plot.py at 2018-08-03 03:57:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.710 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.750 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.523 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.578 ms
Loss rate: 1.08%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-08-02 21:28:46

End at: 2018-08-02 21:29:16

Local clock offset: -0.077 ms

Remote clock offset: 1.007 ms

Below is generated by plot.py at 2018-08-03 03:57:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 60.402 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.483 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.181 ms

Loss rate: 0.61%

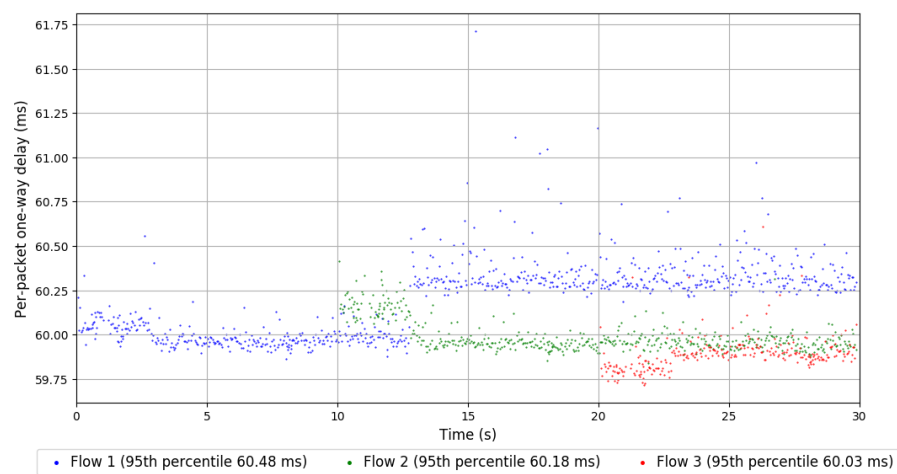
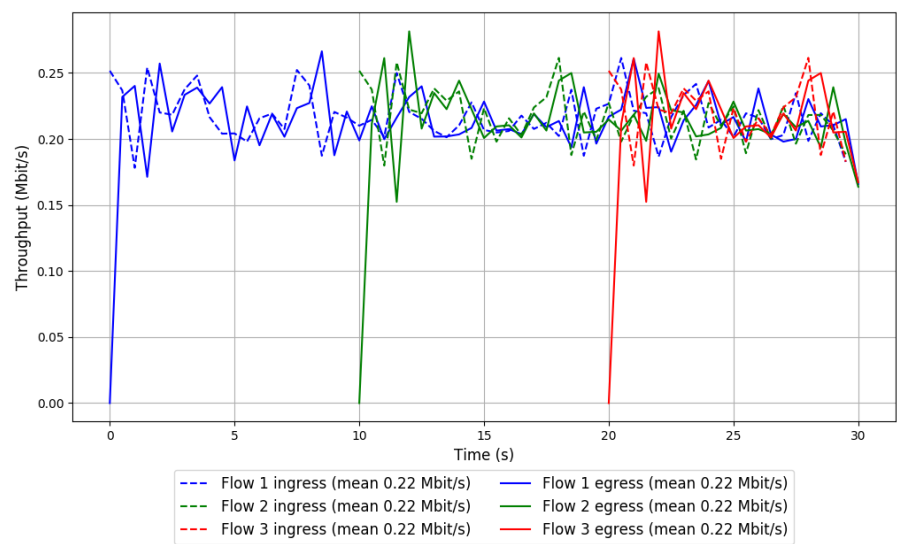
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.026 ms

Loss rate: 1.08%

Run 3: Report of SReAM — Data Link

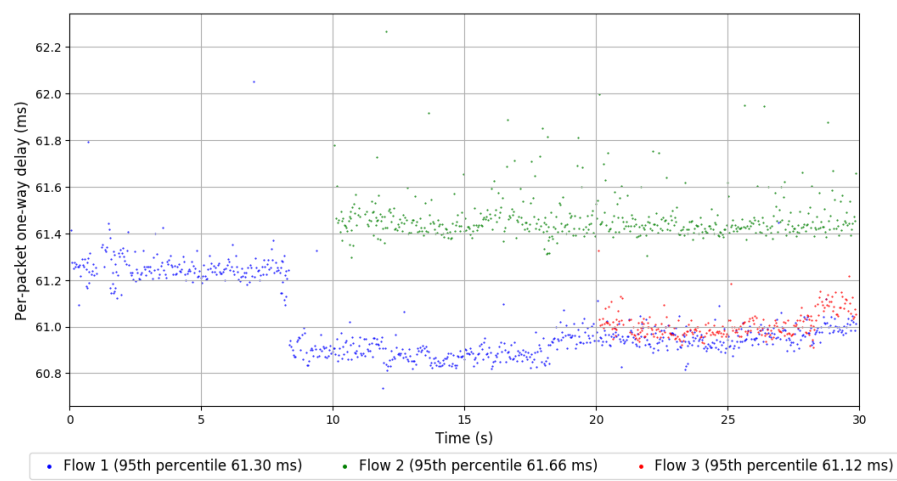
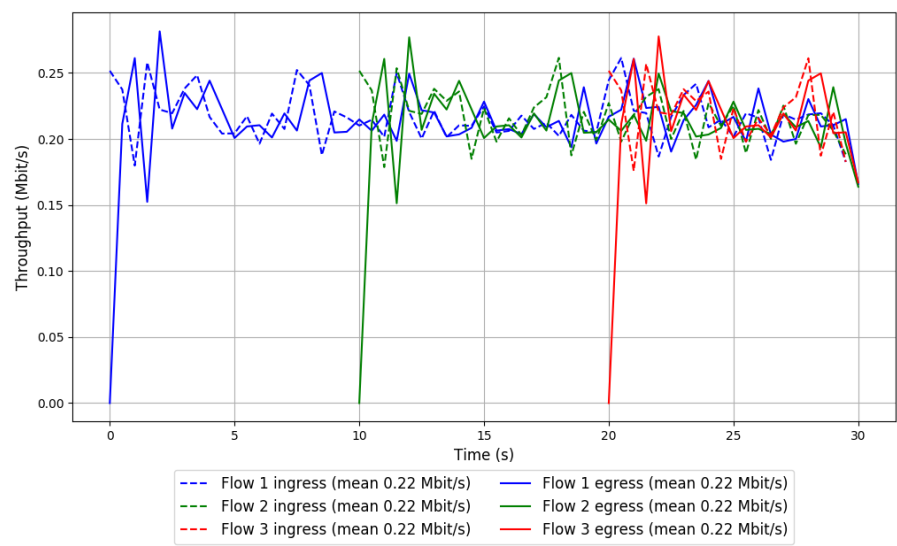


Run 4: Statistics of SReAM

Start at: 2018-08-02 21:55:31
End at: 2018-08-02 21:56:01
Local clock offset: -0.144 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-08-03 03:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 61.522 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.297 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.656 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.120 ms
Loss rate: 1.08%

Run 4: Report of SReAM — Data Link

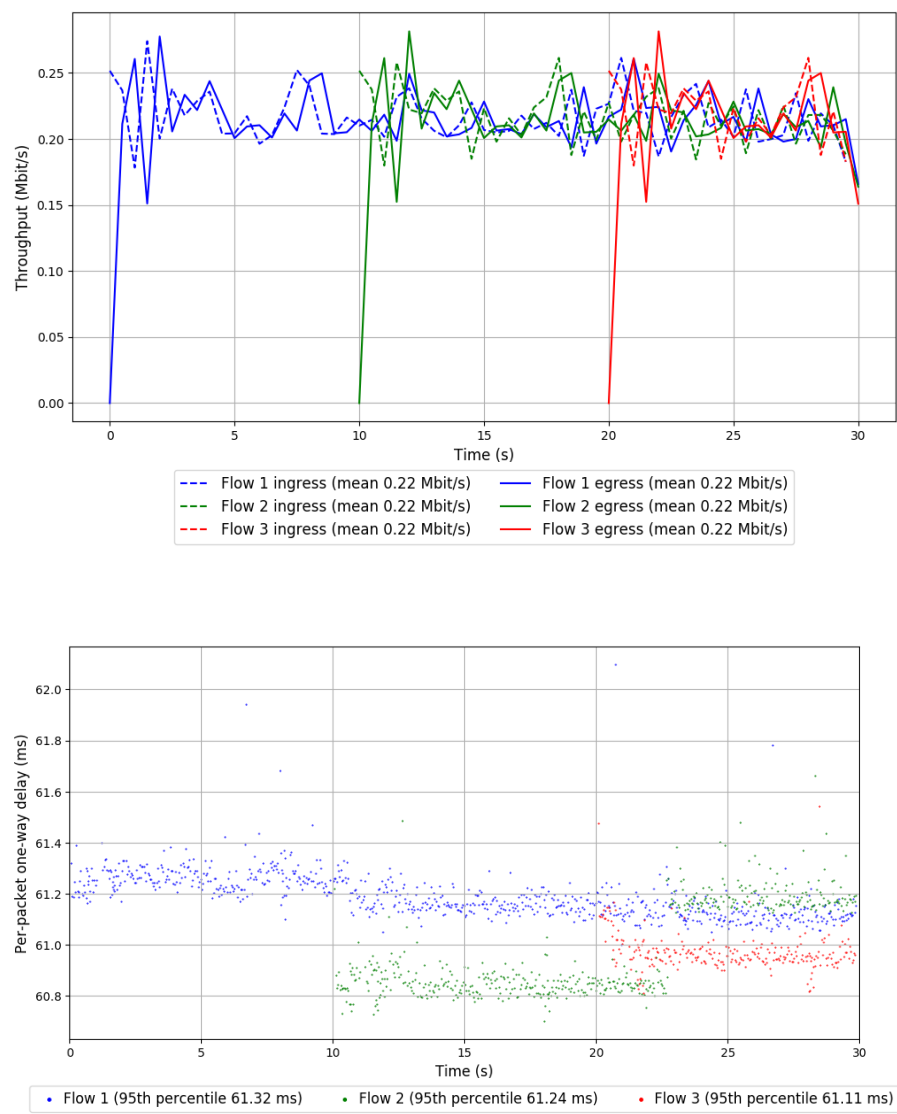


Run 5: Statistics of SReAM

Start at: 2018-08-02 22:22:08
End at: 2018-08-02 22:22:38
Local clock offset: -0.081 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-08-03 03:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 61.300 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.318 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.244 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.109 ms
Loss rate: 1.45%

Run 5: Report of SReAM — Data Link

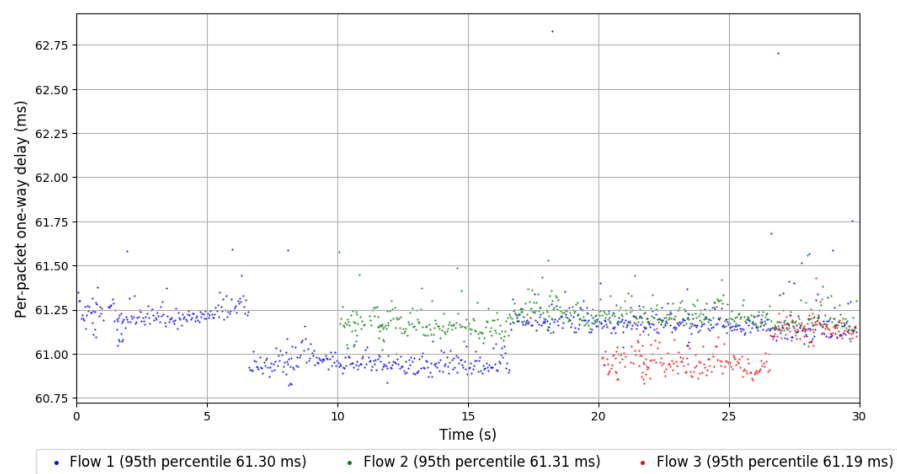
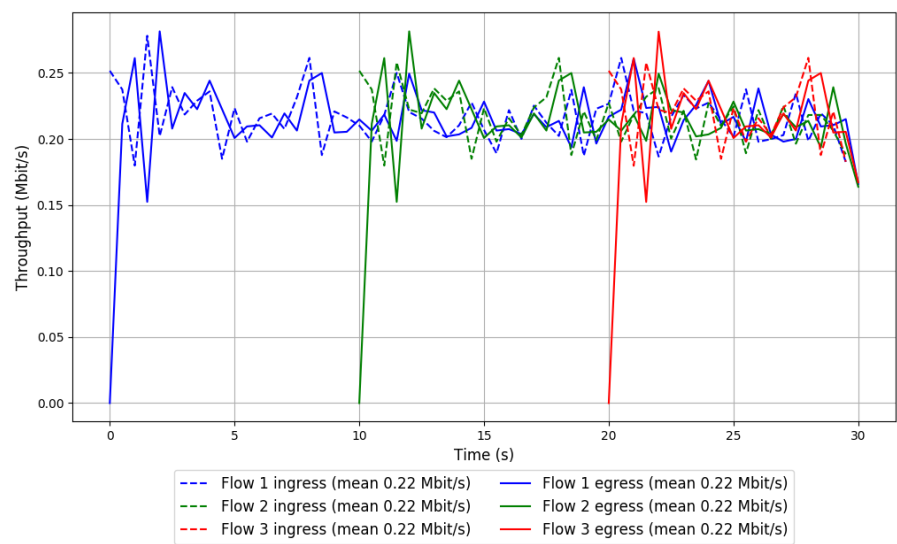


Run 6: Statistics of SReAM

Start at: 2018-08-02 22:47:52
End at: 2018-08-02 22:48:22
Local clock offset: -0.15 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-08-03 03:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.300 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.301 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.307 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.189 ms
Loss rate: 1.08%

Run 6: Report of SReAM — Data Link

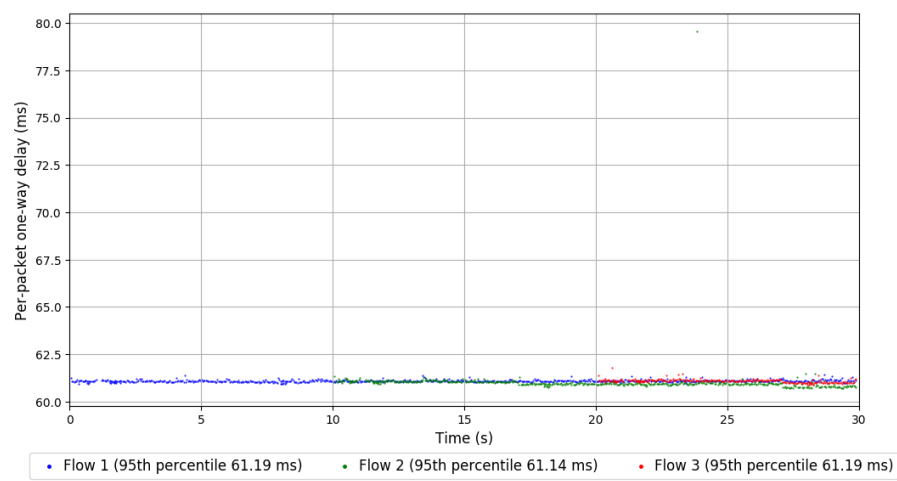
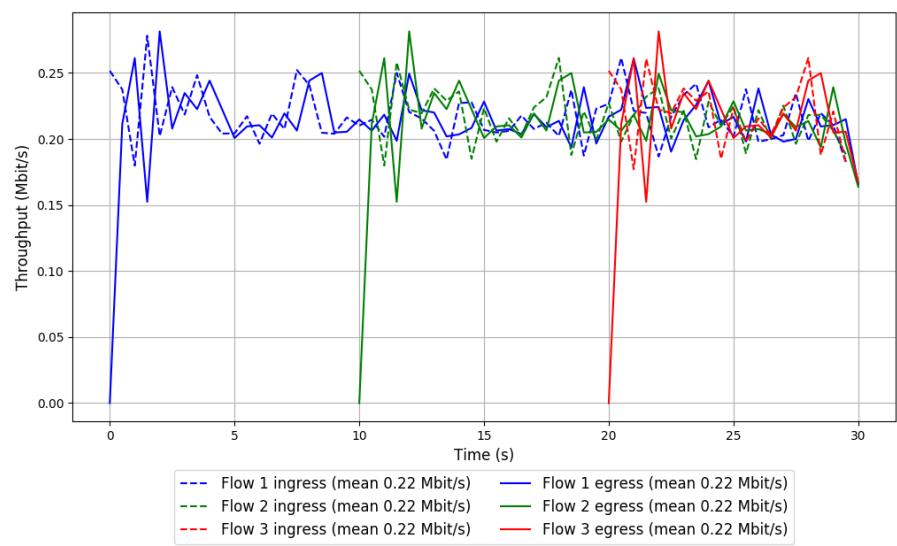


Run 7: Statistics of SReAM

Start at: 2018-08-02 23:13:52
End at: 2018-08-02 23:14:22
Local clock offset: -0.023 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-08-03 03:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.178 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.186 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.136 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.191 ms
Loss rate: 1.08%

Run 7: Report of SReAM — Data Link

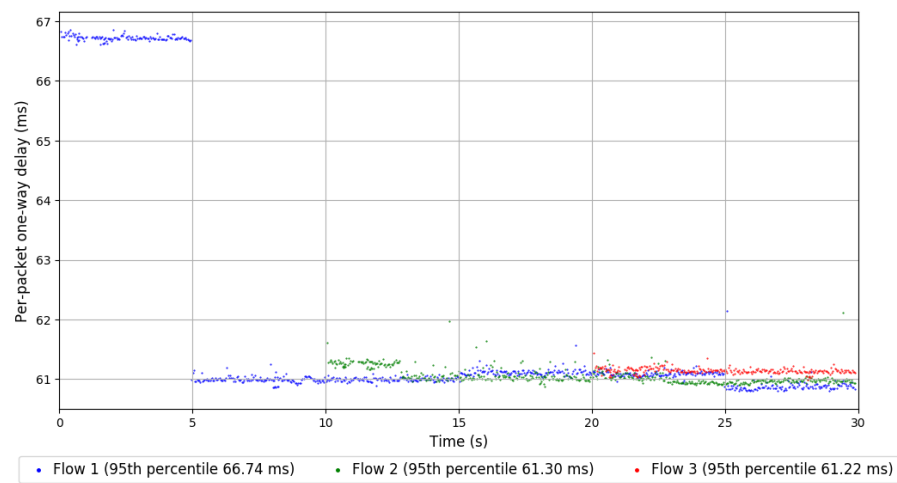
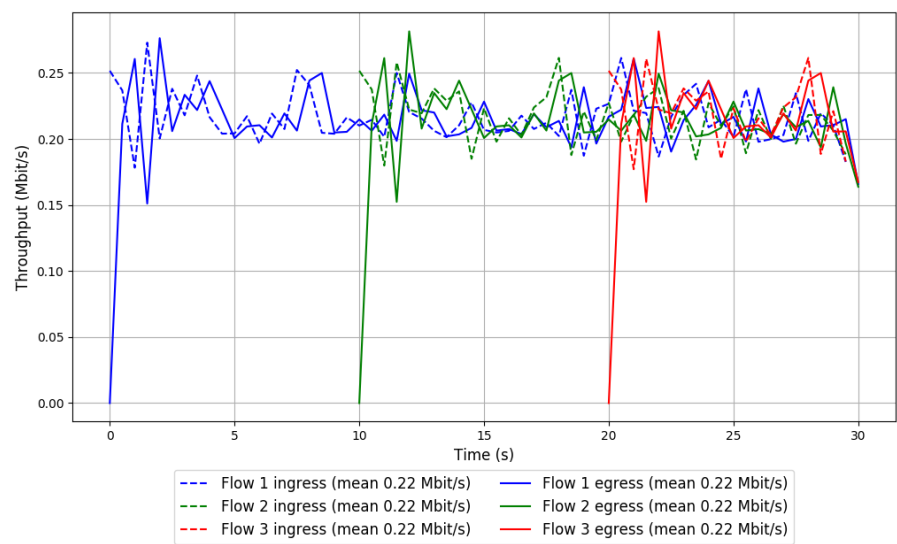


Run 8: Statistics of SReAM

Start at: 2018-08-02 23:40:16
End at: 2018-08-02 23:40:46
Local clock offset: -0.036 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-08-03 03:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 66.712 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.738 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.298 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.221 ms
Loss rate: 1.08%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-08-03 00:06:44

End at: 2018-08-03 00:07:14

Local clock offset: -0.043 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-08-03 03:57:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 66.480 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 66.521 ms

Loss rate: 0.62%

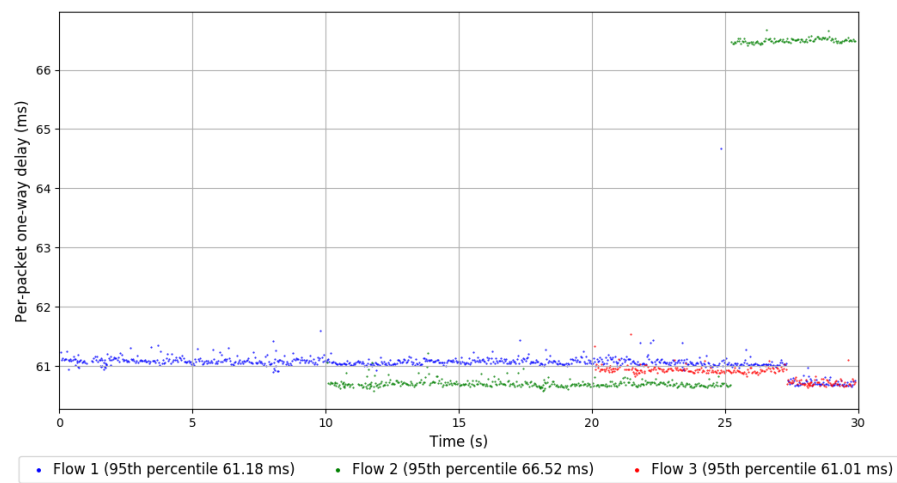
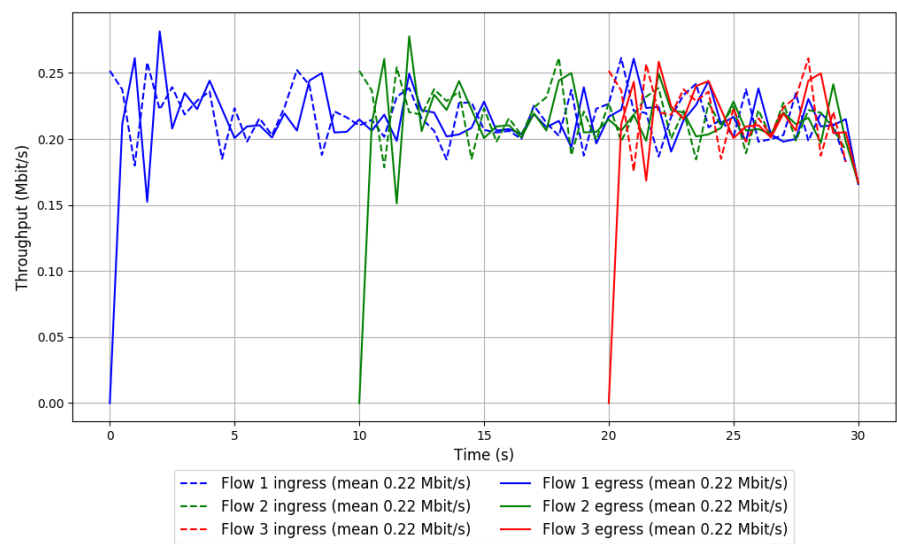
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.013 ms

Loss rate: 1.08%

Run 9: Report of SReAM — Data Link

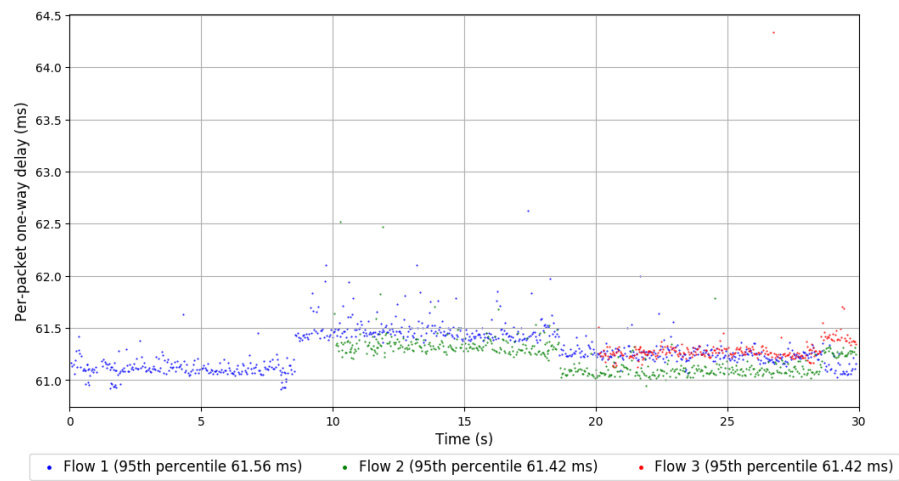
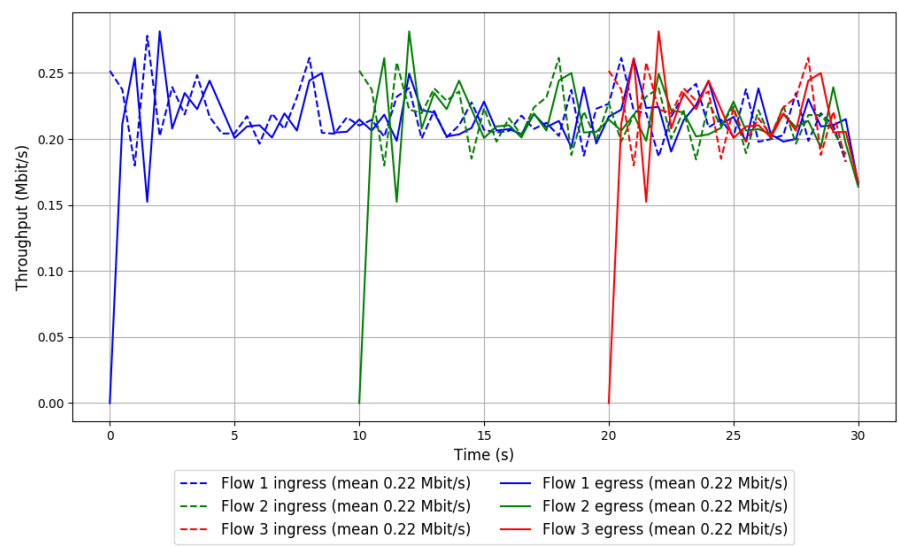


Run 10: Statistics of SCReAM

Start at: 2018-08-03 00:33:20
End at: 2018-08-03 00:33:50
Local clock offset: -0.048 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2018-08-03 03:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.507 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.565 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.416 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.422 ms
Loss rate: 1.08%

Run 10: Report of SReAM — Data Link

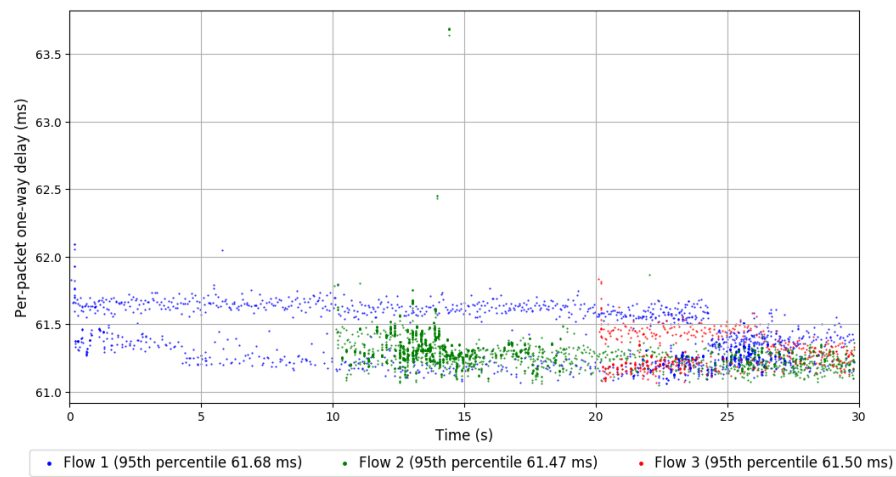
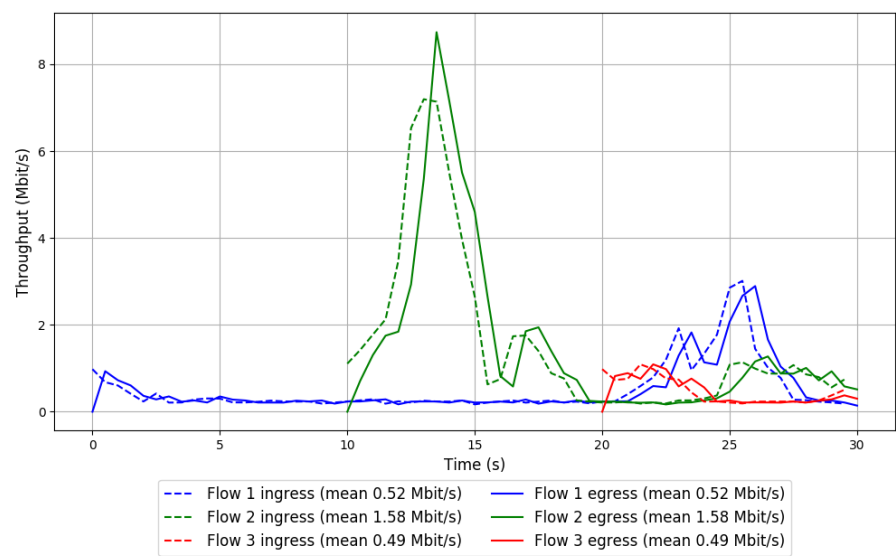


Run 1: Statistics of Sprout

Start at: 2018-08-02 20:21:25
End at: 2018-08-02 20:21:55
Local clock offset: -0.109 ms
Remote clock offset: -0.477 ms

Below is generated by plot.py at 2018-08-03 03:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 61.639 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 61.677 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 61.473 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 61.500 ms
Loss rate: 2.12%

Run 1: Report of Sprout — Data Link

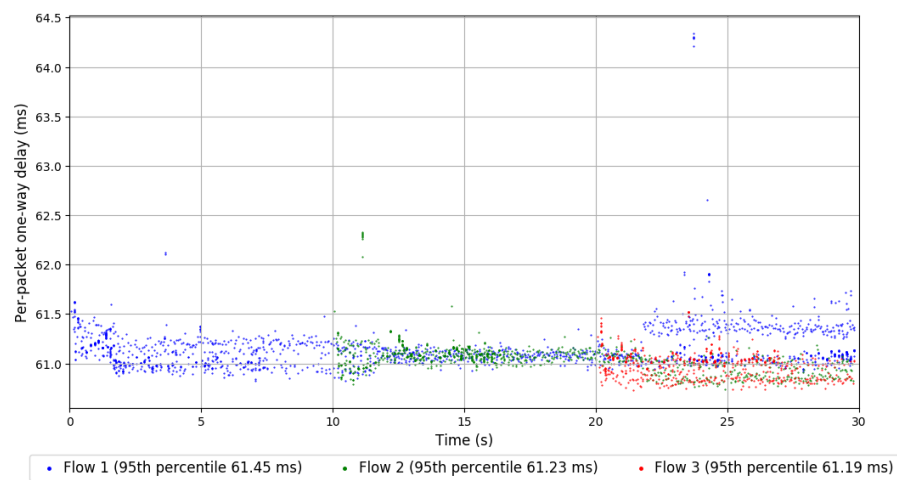
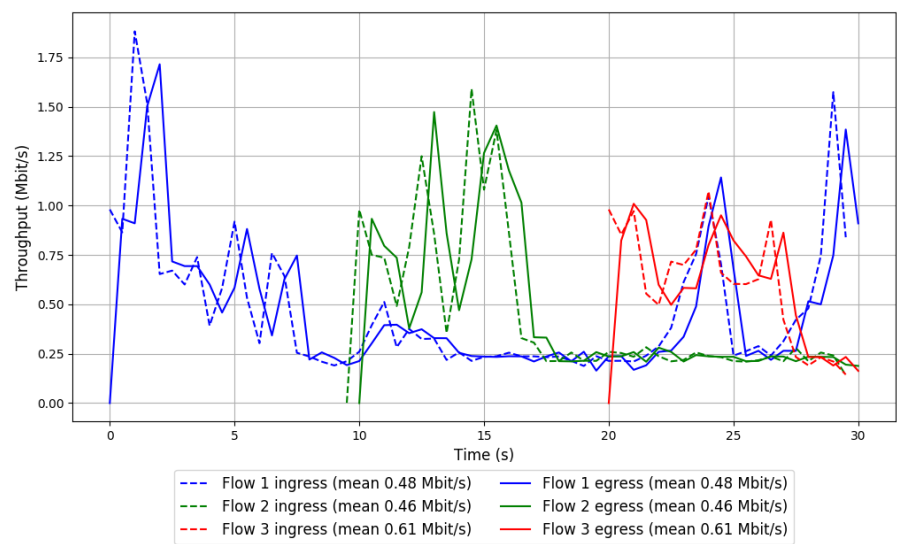


Run 2: Statistics of Sprout

Start at: 2018-08-02 20:48:07
End at: 2018-08-02 20:48:37
Local clock offset: -0.022 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-08-03 03:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 61.392 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 61.448 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 61.227 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 61.193 ms
Loss rate: 0.03%

Run 2: Report of Sprout — Data Link

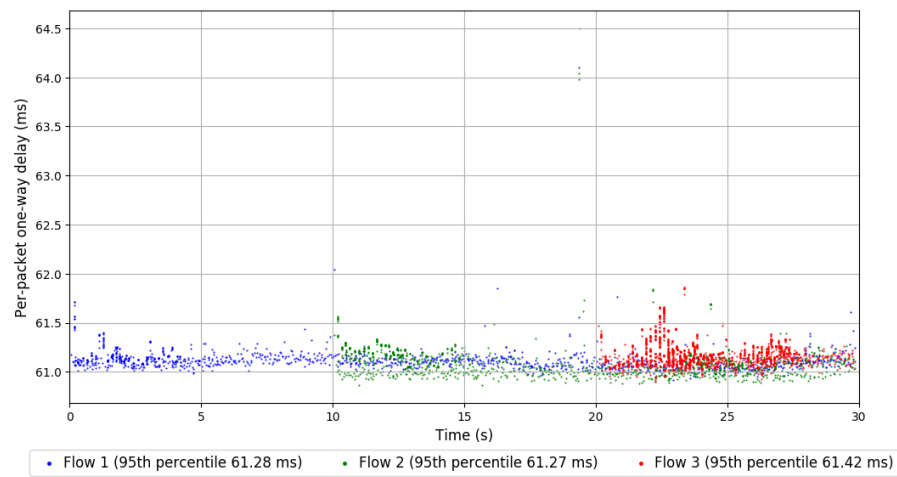
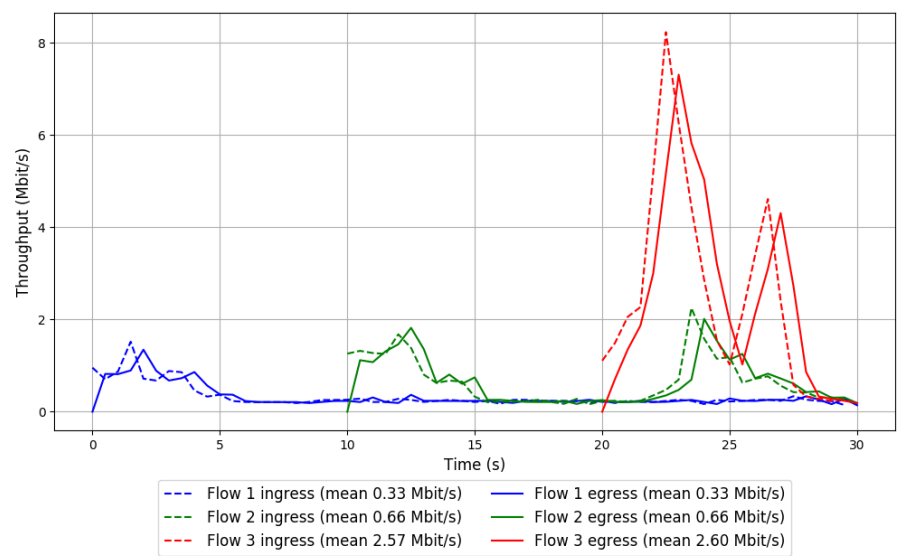


Run 3: Statistics of Sprout

Start at: 2018-08-02 21:14:42
End at: 2018-08-02 21:15:12
Local clock offset: -0.063 ms
Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-08-03 03:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 61.357 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 61.277 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 61.273 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 61.420 ms
Loss rate: 0.19%

Run 3: Report of Sprout — Data Link

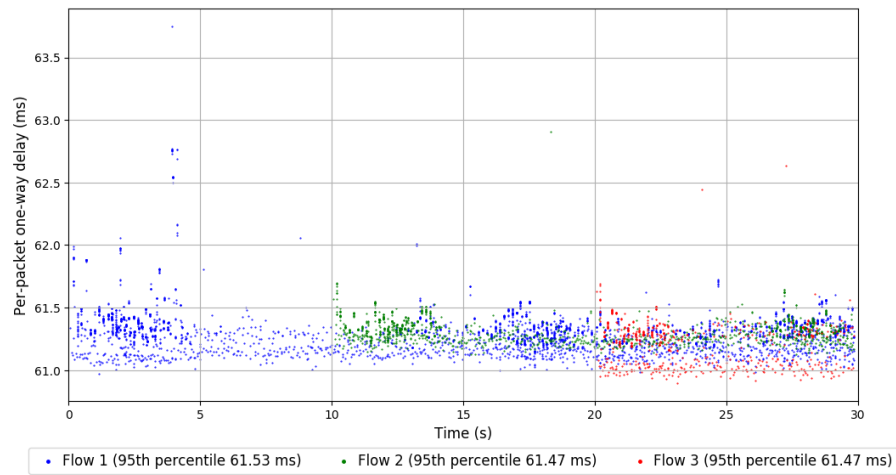
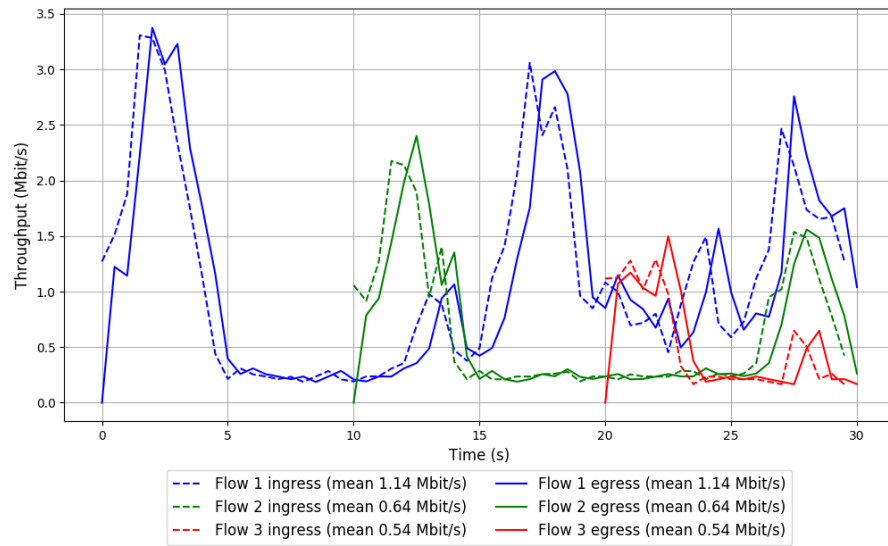


Run 4: Statistics of Sprout

Start at: 2018-08-02 21:41:25
End at: 2018-08-02 21:41:55
Local clock offset: -0.101 ms
Remote clock offset: -0.291 ms

```
# Below is generated by plot.py at 2018-08-03 03:57:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 61.497 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 61.532 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 61.469 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 61.467 ms
Loss rate: 0.65%
```

Run 4: Report of Sprout — Data Link

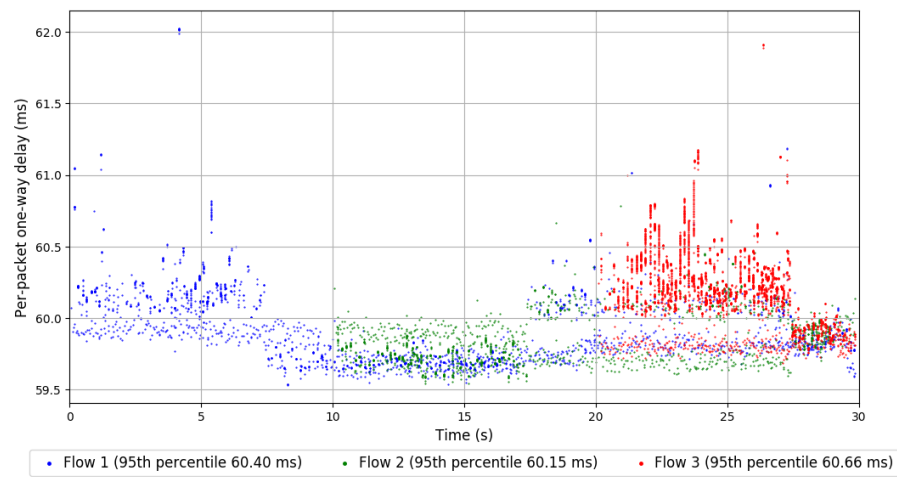
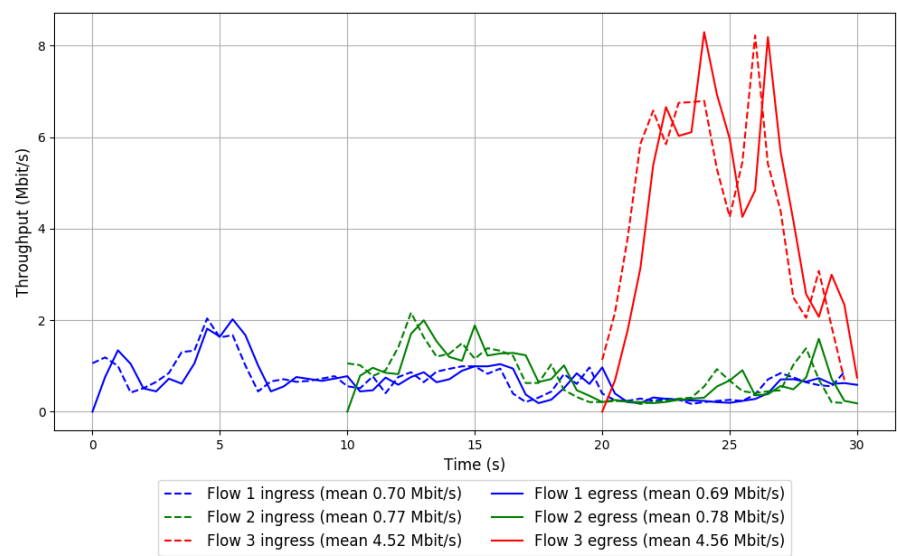


Run 5: Statistics of Sprout

Start at: 2018-08-02 22:08:11
End at: 2018-08-02 22:08:41
Local clock offset: -0.091 ms
Remote clock offset: 1.116 ms

Below is generated by plot.py at 2018-08-03 03:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.70 Mbit/s
95th percentile per-packet one-way delay: 60.581 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 60.400 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 60.150 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 4.56 Mbit/s
95th percentile per-packet one-way delay: 60.657 ms
Loss rate: 0.07%

Run 5: Report of Sprout — Data Link

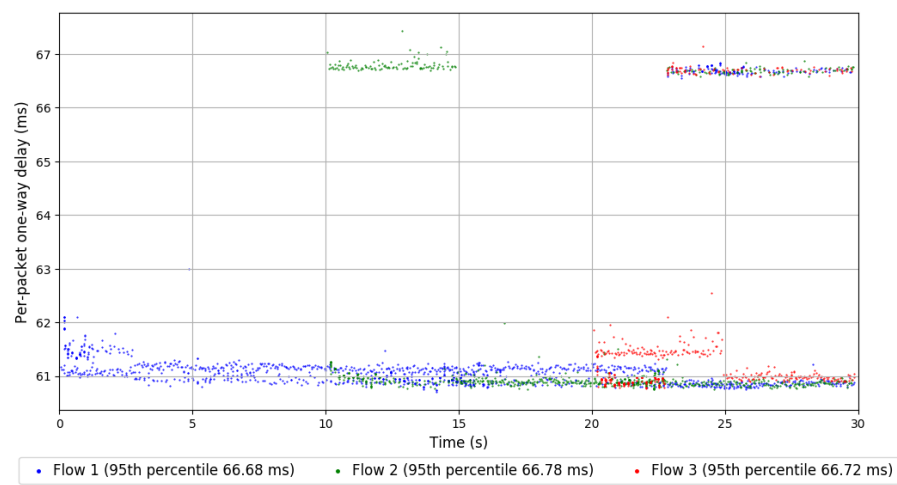
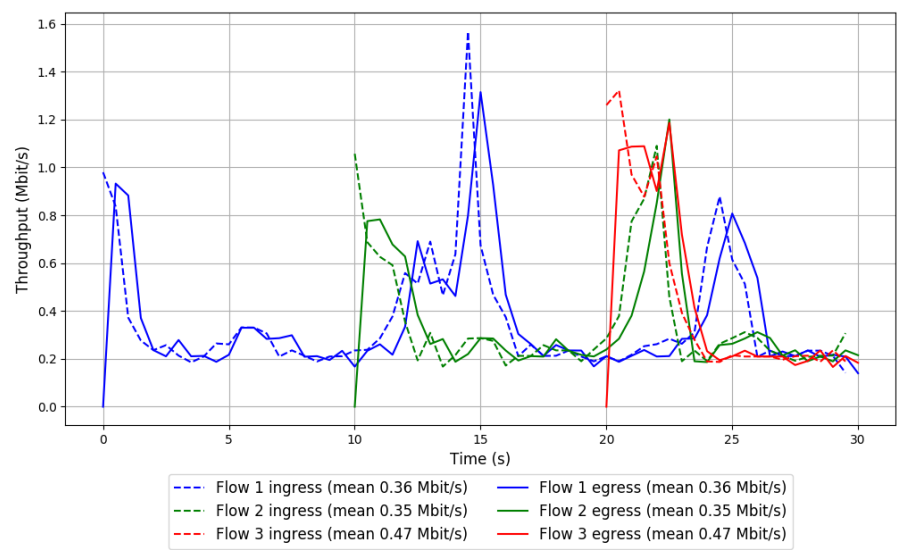


Run 6: Statistics of Sprout

Start at: 2018-08-02 22:34:16
End at: 2018-08-02 22:34:46
Local clock offset: -0.105 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-08-03 03:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 66.739 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 66.683 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 66.778 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 66.715 ms
Loss rate: 0.80%

Run 6: Report of Sprout — Data Link

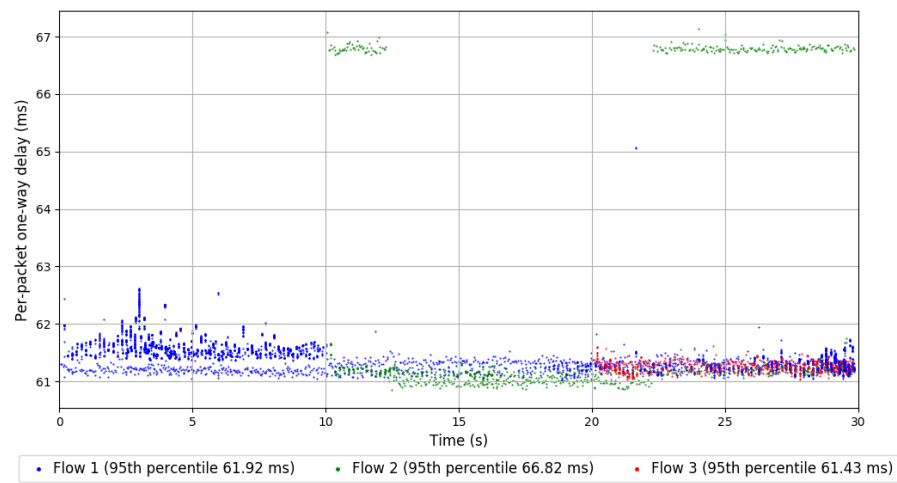
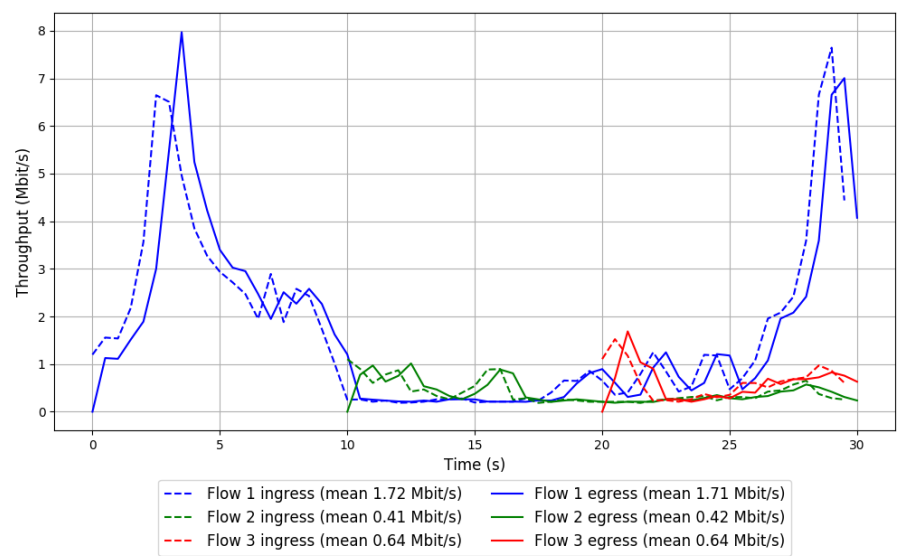


Run 7: Statistics of Sprout

Start at: 2018-08-02 22:59:59
End at: 2018-08-02 23:00:29
Local clock offset: -0.095 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-08-03 03:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 62.106 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 61.922 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 66.816 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 61.426 ms
Loss rate: 1.81%

Run 7: Report of Sprout — Data Link

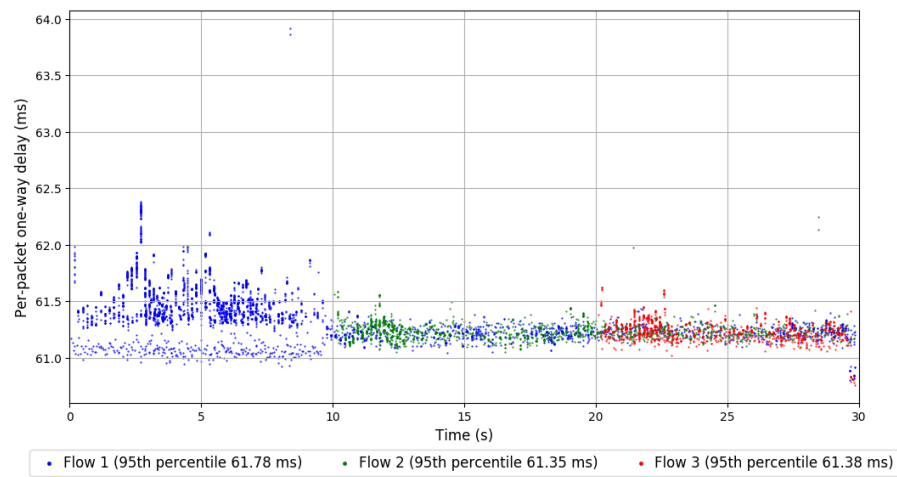
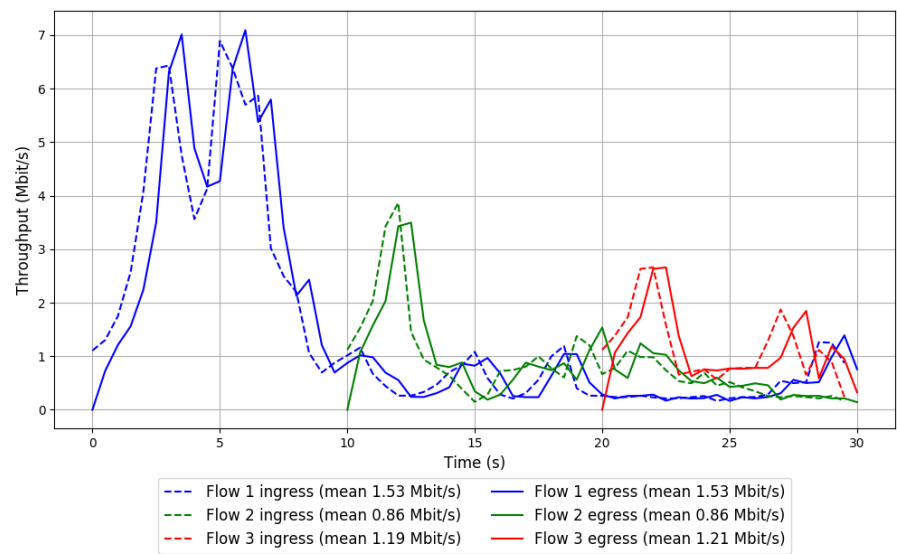


Run 8: Statistics of Sprout

Start at: 2018-08-02 23:26:19
End at: 2018-08-02 23:26:49
Local clock offset: 0.033 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-08-03 03:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.50 Mbit/s
95th percentile per-packet one-way delay: 61.711 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 61.780 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 0.86 Mbit/s
95th percentile per-packet one-way delay: 61.352 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 61.383 ms
Loss rate: 0.23%

Run 8: Report of Sprout — Data Link

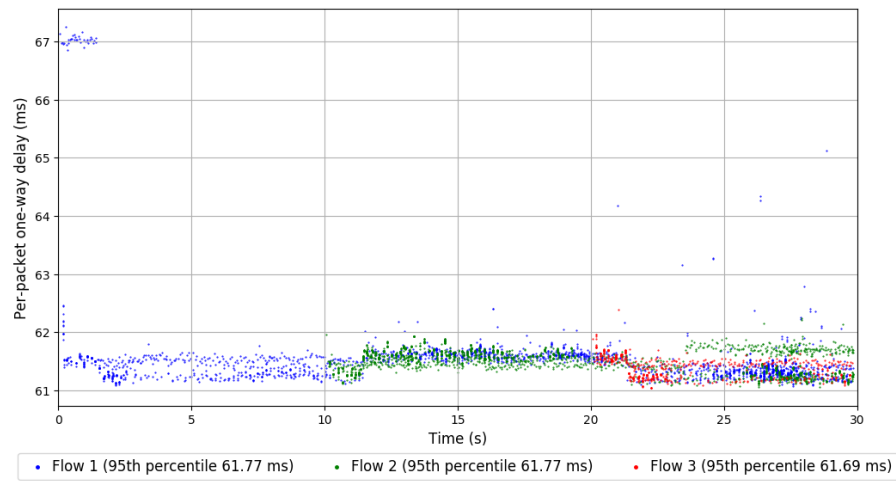
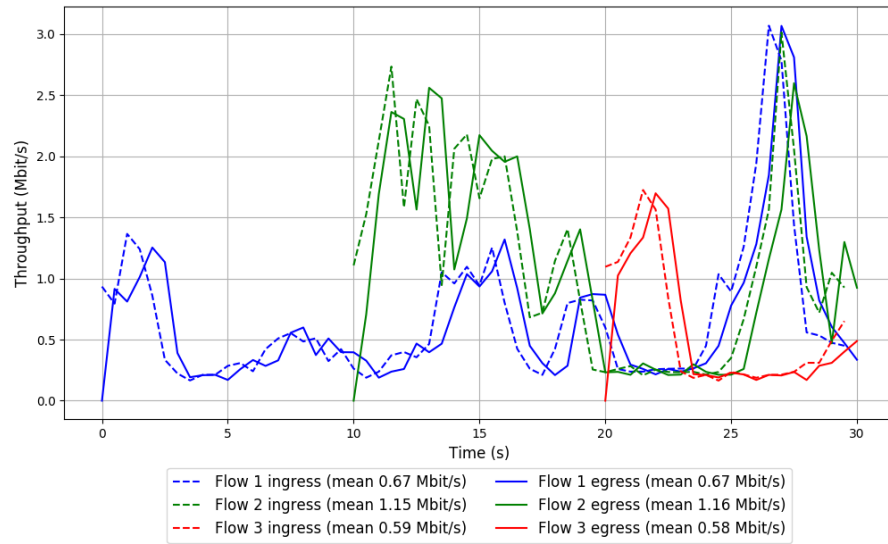


Run 9: Statistics of Sprout

Start at: 2018-08-02 23:52:48
End at: 2018-08-02 23:53:18
Local clock offset: -0.018 ms
Remote clock offset: -0.413 ms

Below is generated by plot.py at 2018-08-03 03:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 61.763 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 61.774 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 61.768 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 61.692 ms
Loss rate: 3.19%

Run 9: Report of Sprout — Data Link

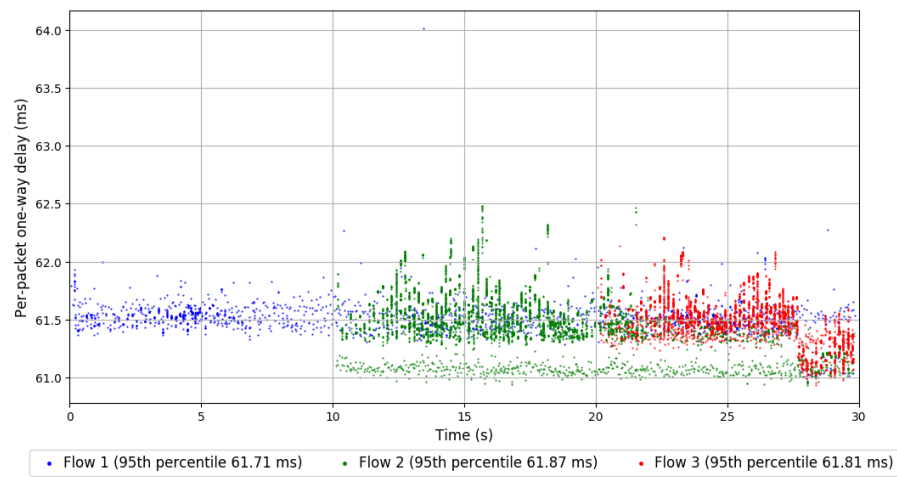
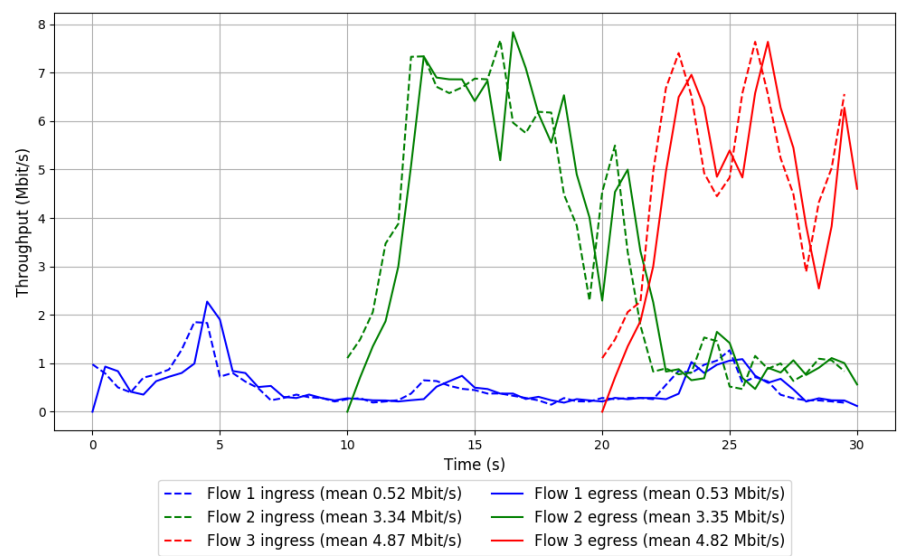


Run 10: Statistics of Sprout

Start at: 2018-08-03 00:19:11
End at: 2018-08-03 00:19:41
Local clock offset: -0.037 ms
Remote clock offset: -0.326 ms

Below is generated by plot.py at 2018-08-03 03:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 61.821 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 61.709 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 3.35 Mbit/s
95th percentile per-packet one-way delay: 61.865 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 61.814 ms
Loss rate: 2.36%

Run 10: Report of Sprout — Data Link

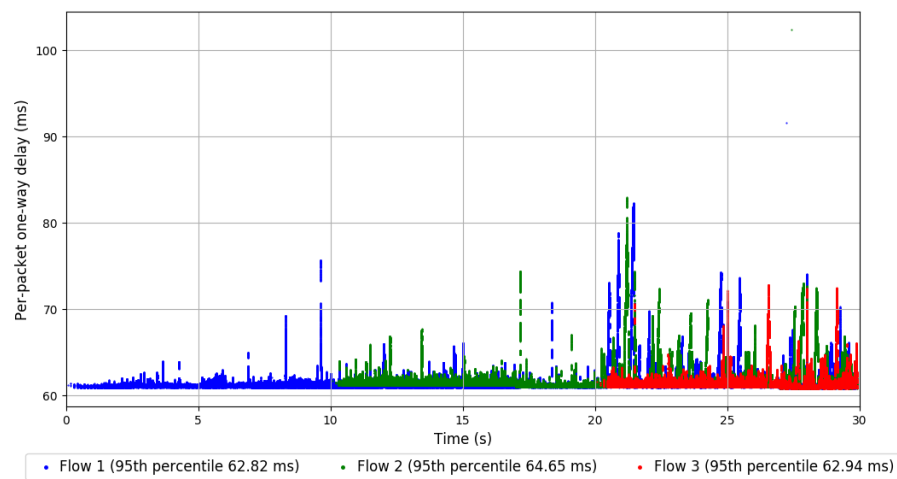
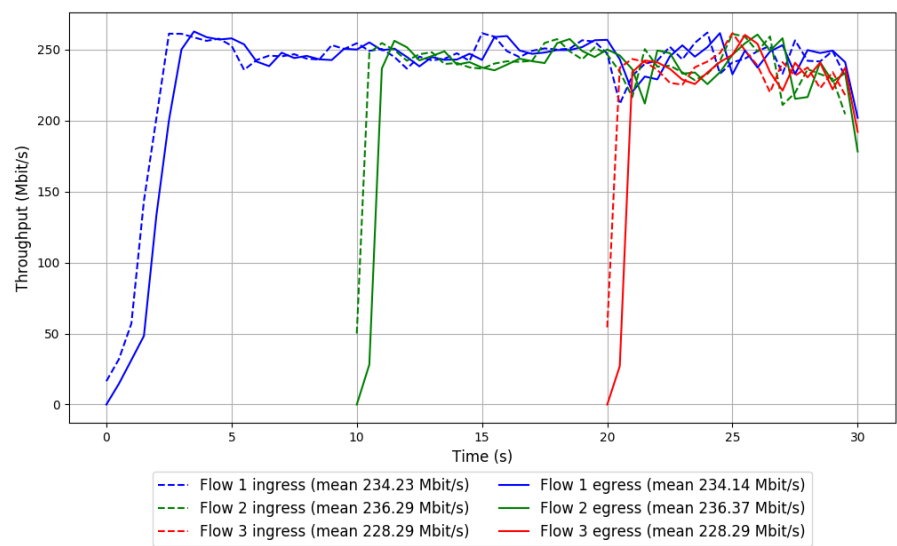


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-02 20:39:52
End at: 2018-08-02 20:40:22
Local clock offset: -0.04 ms
Remote clock offset: -0.279 ms

# Below is generated by plot.py at 2018-08-03 04:03:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 466.43 Mbit/s
95th percentile per-packet one-way delay: 63.510 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 234.14 Mbit/s
95th percentile per-packet one-way delay: 62.824 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 236.37 Mbit/s
95th percentile per-packet one-way delay: 64.648 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 228.29 Mbit/s
95th percentile per-packet one-way delay: 62.943 ms
Loss rate: 1.23%
```


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

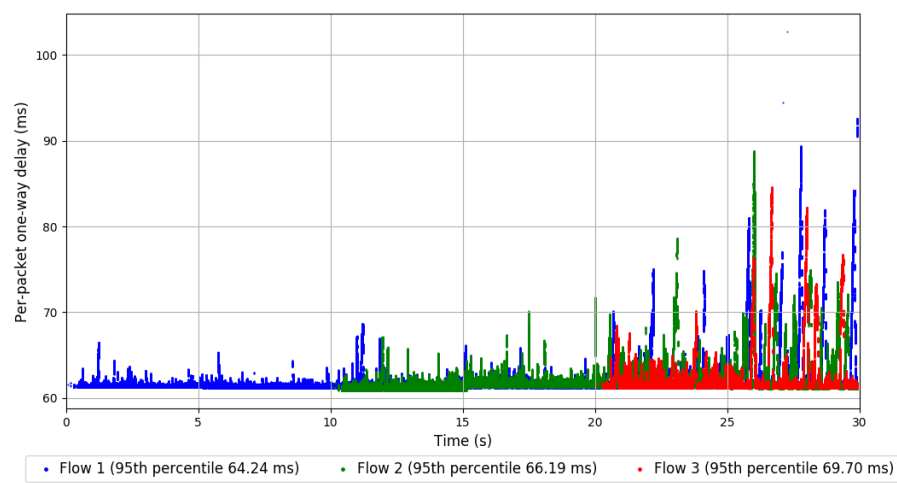
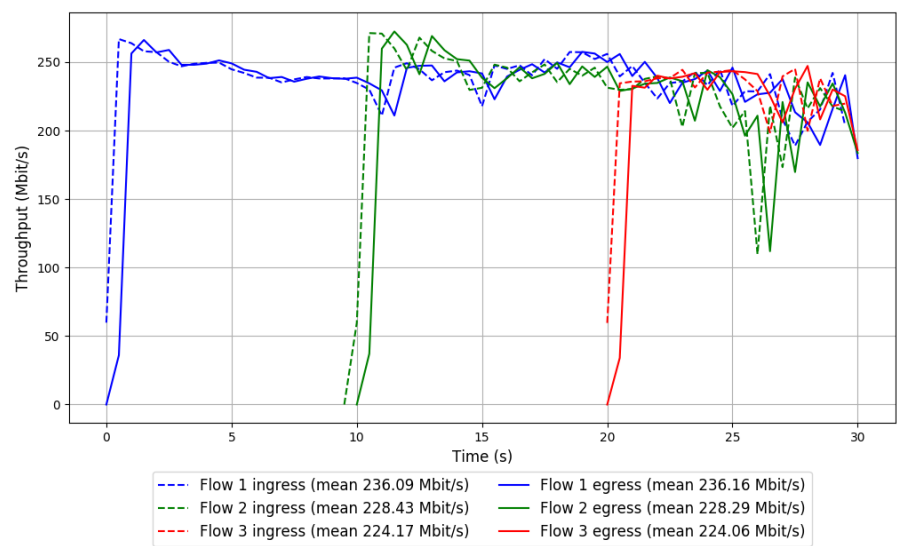


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-02 21:06:46
End at: 2018-08-02 21:07:16
Local clock offset: -0.07 ms
Remote clock offset: -0.374 ms

Below is generated by plot.py at 2018-08-03 04:03:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 461.95 Mbit/s
95th percentile per-packet one-way delay: 65.961 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 236.16 Mbit/s
95th percentile per-packet one-way delay: 64.240 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 228.29 Mbit/s
95th percentile per-packet one-way delay: 66.186 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 224.06 Mbit/s
95th percentile per-packet one-way delay: 69.698 ms
Loss rate: 1.29%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-02 21:33:19

End at: 2018-08-02 21:33:49

Local clock offset: -0.085 ms

Remote clock offset: 1.108 ms

Below is generated by plot.py at 2018-08-03 04:03:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 468.67 Mbit/s

95th percentile per-packet one-way delay: 61.844 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 238.46 Mbit/s

95th percentile per-packet one-way delay: 61.333 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 233.96 Mbit/s

95th percentile per-packet one-way delay: 61.951 ms

Loss rate: 0.65%

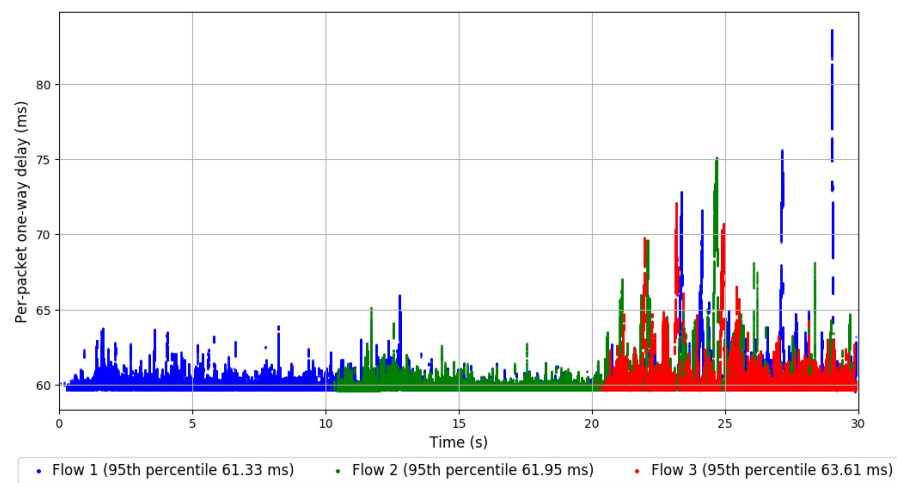
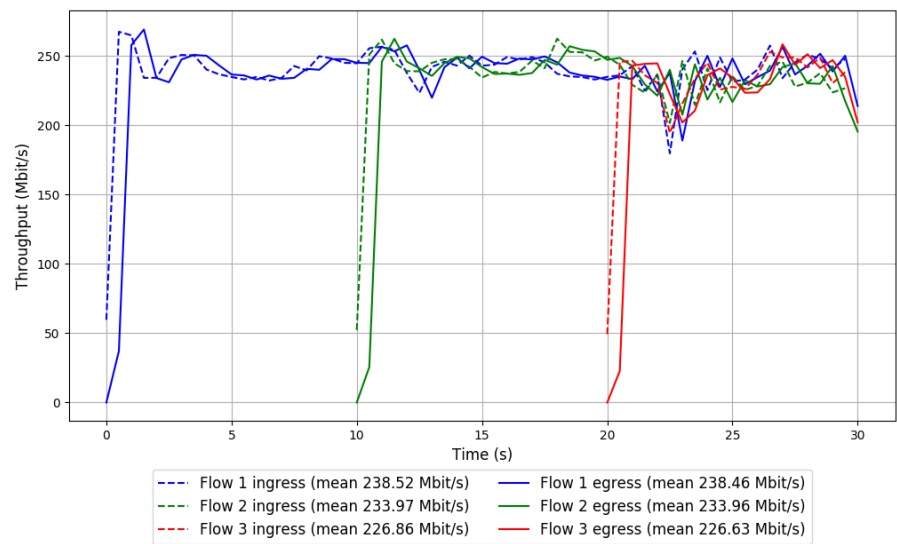
-- Flow 3:

Average throughput: 226.63 Mbit/s

95th percentile per-packet one-way delay: 63.606 ms

Loss rate: 1.40%

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

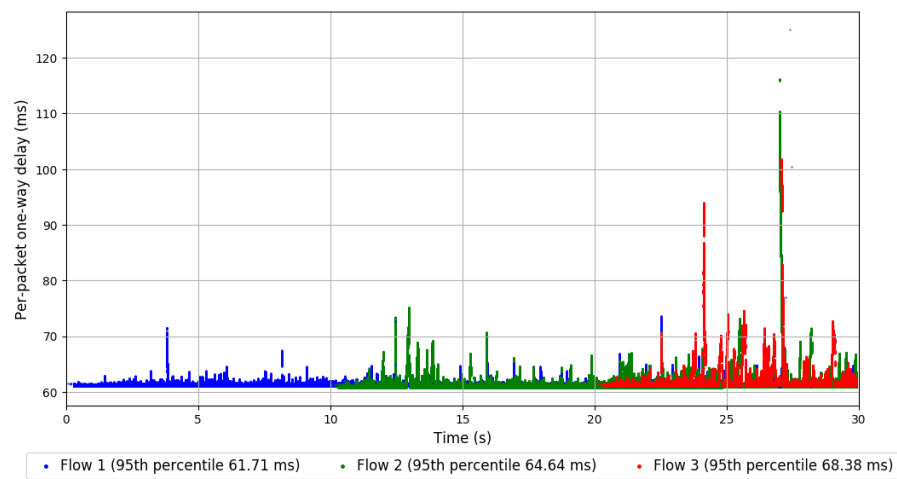
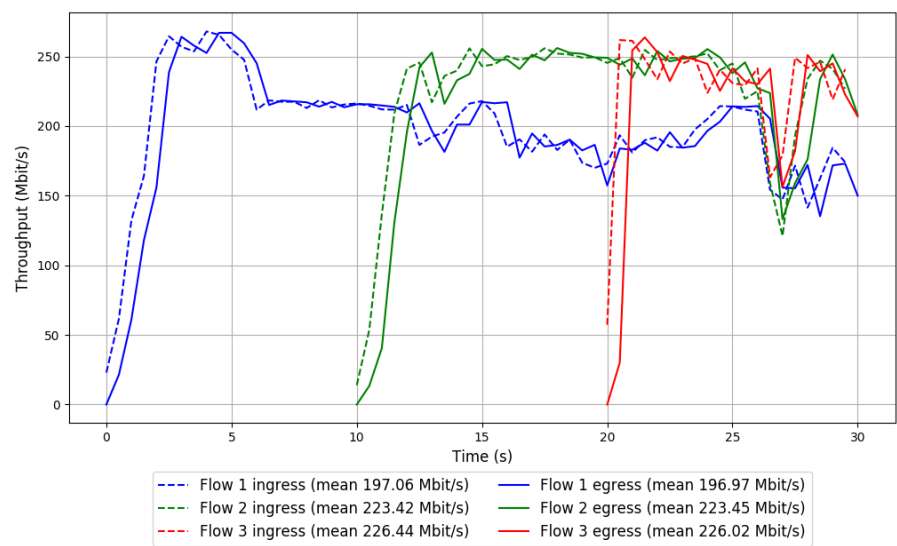


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-02 22:00:04
End at: 2018-08-02 22:00:34
Local clock offset: -0.125 ms
Remote clock offset: -0.262 ms

Below is generated by plot.py at 2018-08-03 04:03:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 420.05 Mbit/s
95th percentile per-packet one-way delay: 63.659 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 196.97 Mbit/s
95th percentile per-packet one-way delay: 61.711 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 223.45 Mbit/s
95th percentile per-packet one-way delay: 64.635 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 226.02 Mbit/s
95th percentile per-packet one-way delay: 68.378 ms
Loss rate: 1.42%

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

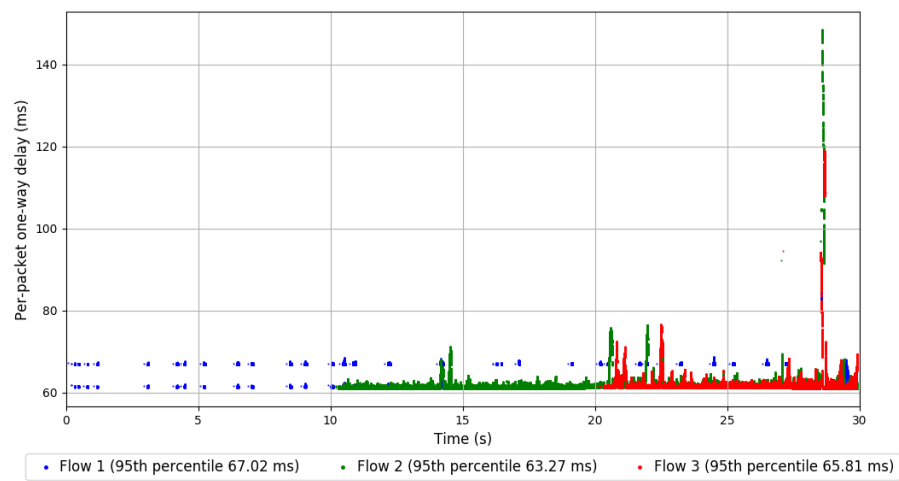
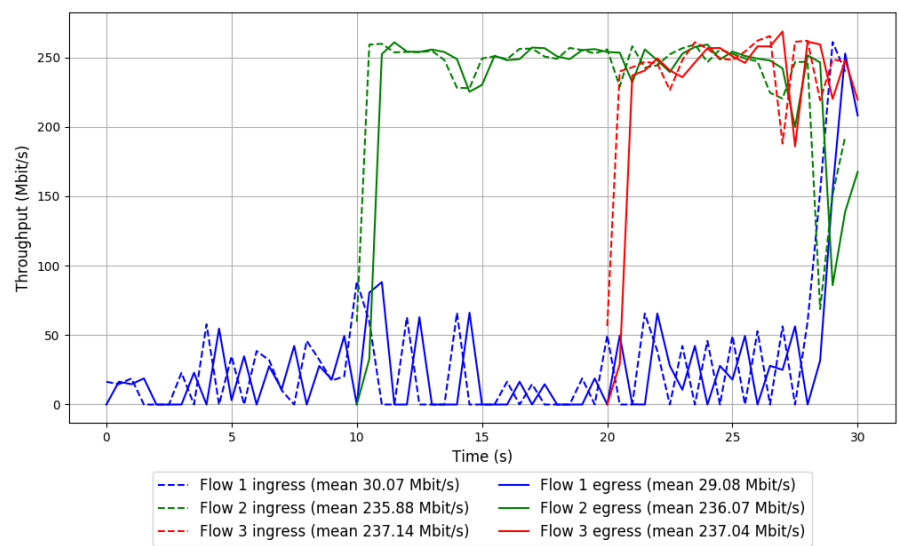


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-02 22:26:41
End at: 2018-08-02 22:27:12
Local clock offset: -0.107 ms
Remote clock offset: -0.441 ms

Below is generated by plot.py at 2018-08-03 04:03:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 264.22 Mbit/s
95th percentile per-packet one-way delay: 66.901 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 29.08 Mbit/s
95th percentile per-packet one-way delay: 67.017 ms
Loss rate: 3.68%
-- Flow 2:
Average throughput: 236.07 Mbit/s
95th percentile per-packet one-way delay: 63.275 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 237.04 Mbit/s
95th percentile per-packet one-way delay: 65.814 ms
Loss rate: 1.28%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-02 22:52:27

End at: 2018-08-02 22:52:57

Local clock offset: -0.128 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-08-03 04:03:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 175.30 Mbit/s

95th percentile per-packet one-way delay: 66.573 ms

Loss rate: 1.21%

-- Flow 1:

Average throughput: 98.31 Mbit/s

95th percentile per-packet one-way delay: 66.632 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 100.16 Mbit/s

95th percentile per-packet one-way delay: 66.704 ms

Loss rate: 1.62%

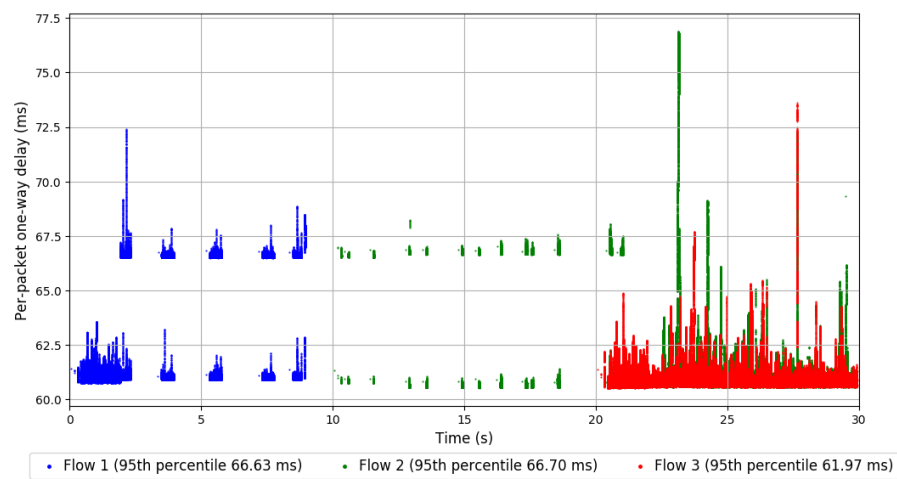
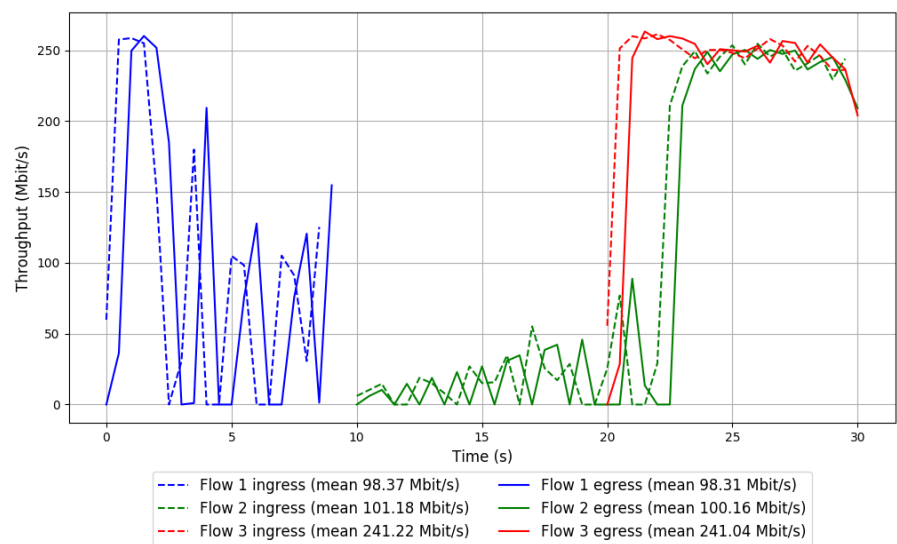
-- Flow 3:

Average throughput: 241.04 Mbit/s

95th percentile per-packet one-way delay: 61.969 ms

Loss rate: 1.31%

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

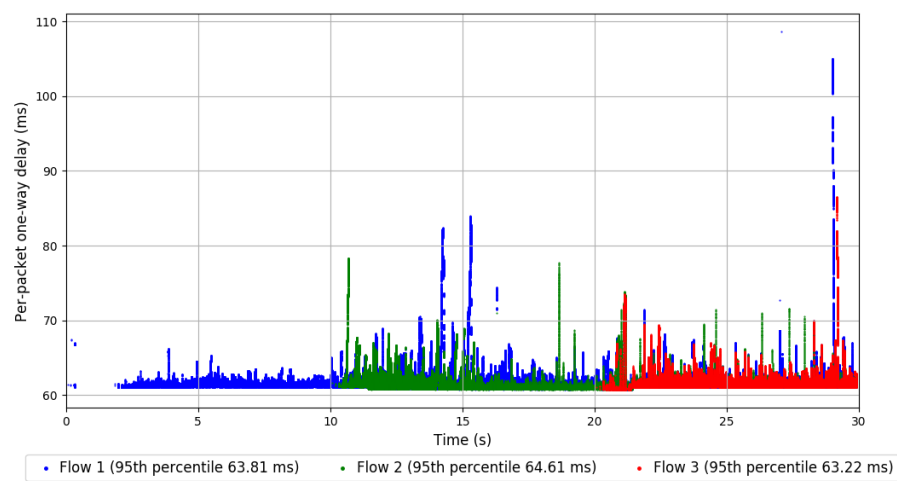
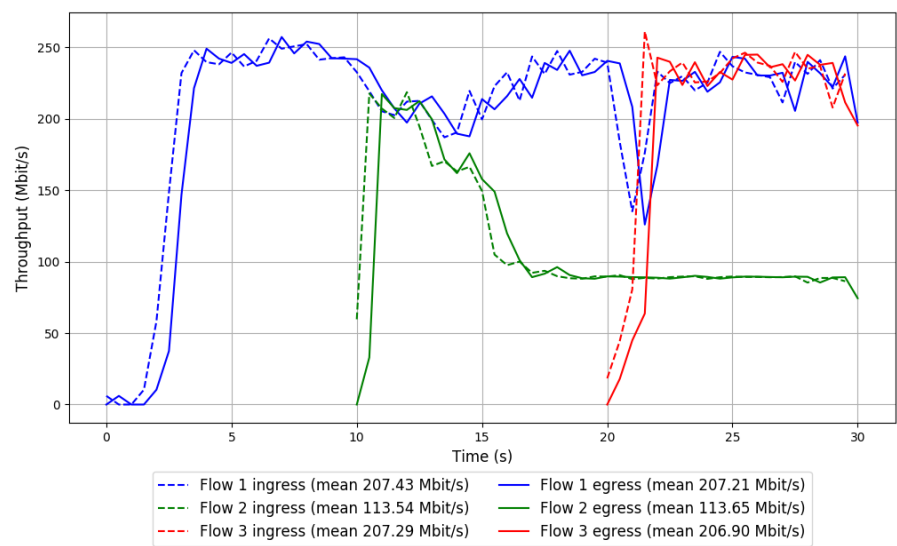


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-02 23:18:28
End at: 2018-08-02 23:18:58
Local clock offset: -0.065 ms
Remote clock offset: -0.244 ms

Below is generated by plot.py at 2018-08-03 04:05:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 351.02 Mbit/s
95th percentile per-packet one-way delay: 63.847 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 207.21 Mbit/s
95th percentile per-packet one-way delay: 63.811 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 113.65 Mbit/s
95th percentile per-packet one-way delay: 64.611 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 206.90 Mbit/s
95th percentile per-packet one-way delay: 63.223 ms
Loss rate: 1.42%

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

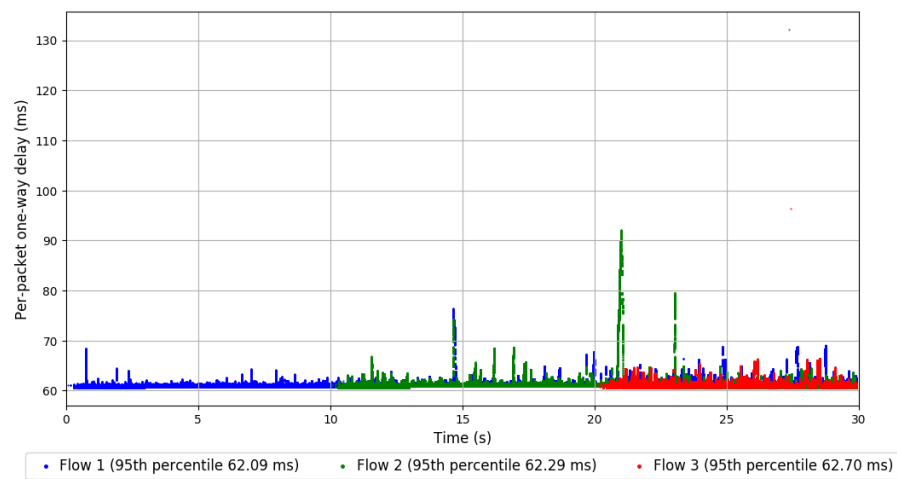
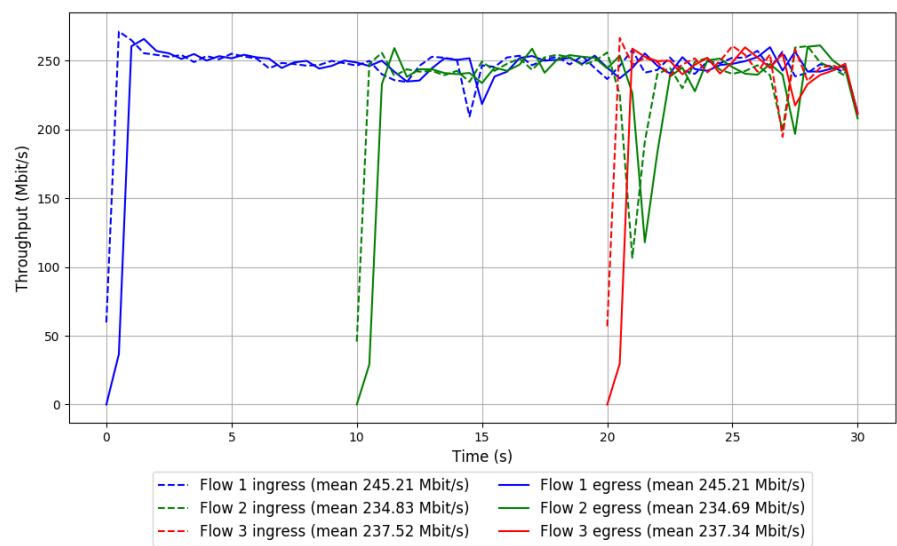


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-02 23:44:46
End at: 2018-08-02 23:45:16
Local clock offset: -0.022 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-08-03 04:13:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 479.50 Mbit/s
95th percentile per-packet one-way delay: 62.265 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 245.21 Mbit/s
95th percentile per-packet one-way delay: 62.095 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 234.69 Mbit/s
95th percentile per-packet one-way delay: 62.292 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 237.34 Mbit/s
95th percentile per-packet one-way delay: 62.705 ms
Loss rate: 1.32%

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

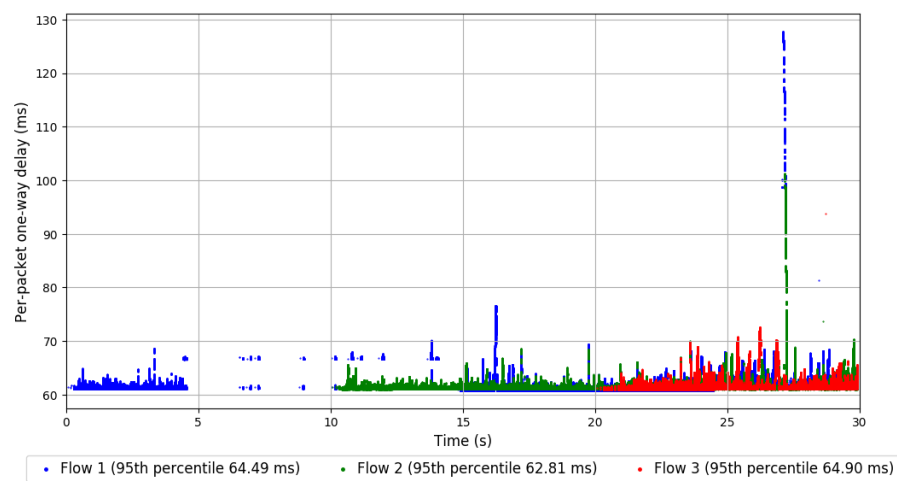
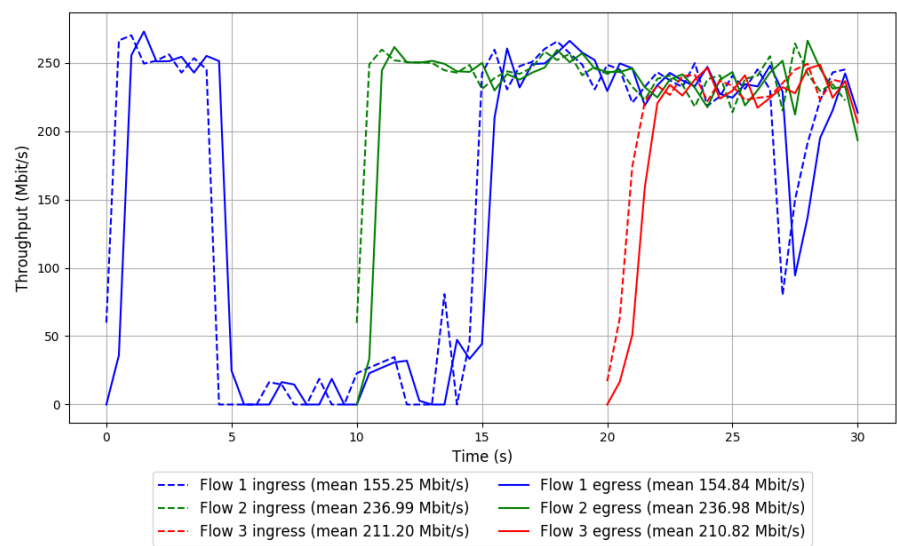


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-03 00:11:17
End at: 2018-08-03 00:11:47
Local clock offset: -0.029 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2018-08-03 04:13:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 381.83 Mbit/s
95th percentile per-packet one-way delay: 63.821 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 154.84 Mbit/s
95th percentile per-packet one-way delay: 64.493 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 236.98 Mbit/s
95th percentile per-packet one-way delay: 62.807 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 210.82 Mbit/s
95th percentile per-packet one-way delay: 64.898 ms
Loss rate: 1.40%

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

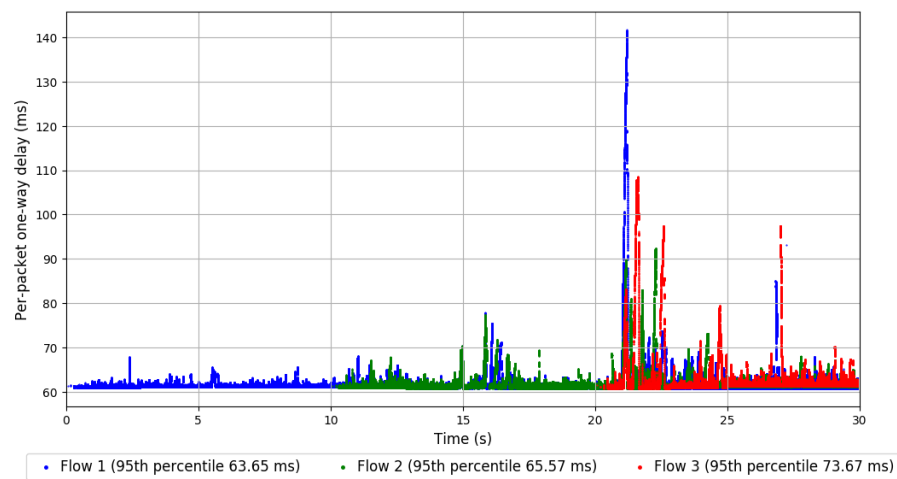
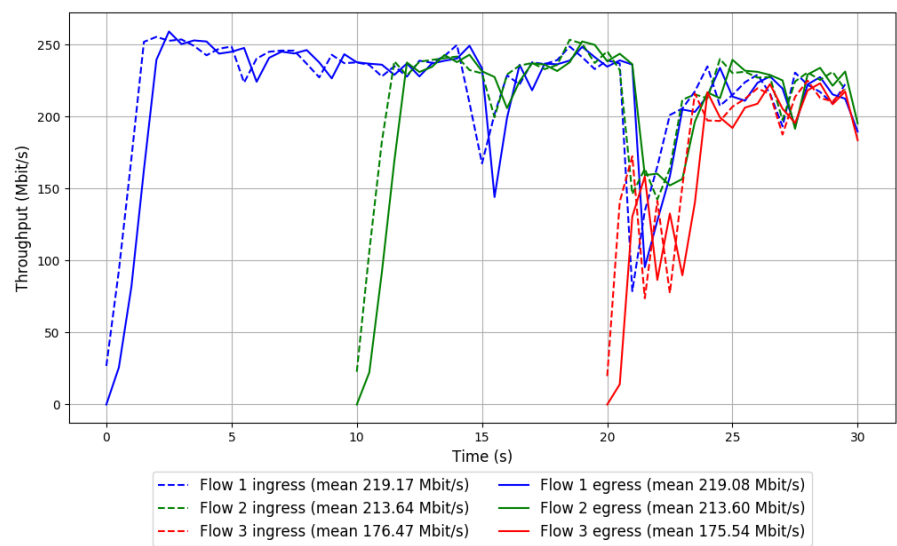


Run 10: Statistics of TaoVA-100x

Start at: 2018-08-03 00:37:56
End at: 2018-08-03 00:38:26
Local clock offset: -0.01 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-08-03 04:13:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 418.90 Mbit/s
95th percentile per-packet one-way delay: 65.170 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 219.08 Mbit/s
95th percentile per-packet one-way delay: 63.653 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 213.60 Mbit/s
95th percentile per-packet one-way delay: 65.570 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 175.54 Mbit/s
95th percentile per-packet one-way delay: 73.671 ms
Loss rate: 1.74%

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

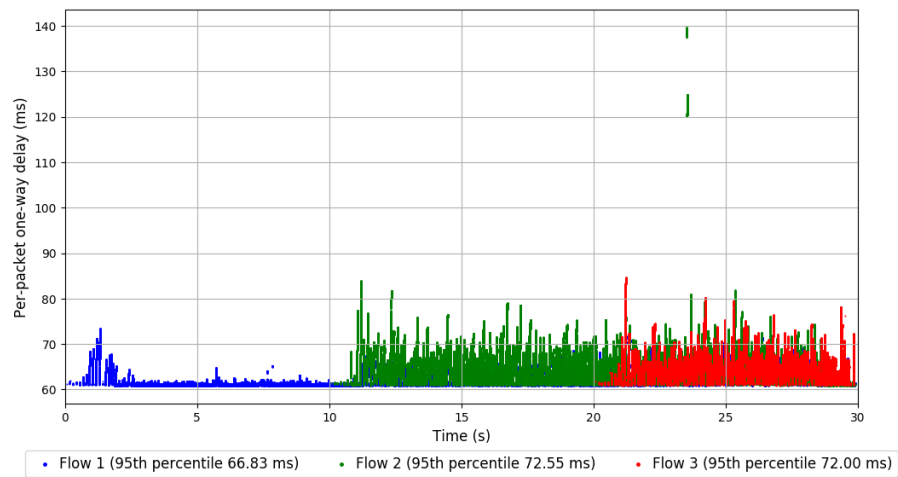
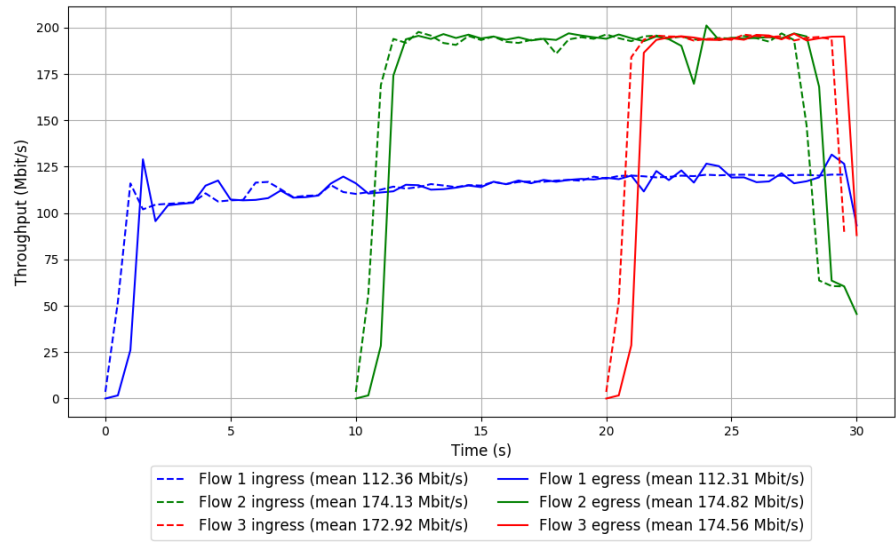


Run 1: Statistics of TCP Vegas

Start at: 2018-08-02 20:43:38
End at: 2018-08-02 20:44:08
Local clock offset: 0.004 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-08-03 04:13:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 285.73 Mbit/s
95th percentile per-packet one-way delay: 71.091 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 112.31 Mbit/s
95th percentile per-packet one-way delay: 66.828 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 174.82 Mbit/s
95th percentile per-packet one-way delay: 72.546 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 174.56 Mbit/s
95th percentile per-packet one-way delay: 72.001 ms
Loss rate: 0.71%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-08-02 21:10:27

End at: 2018-08-02 21:10:57

Local clock offset: -0.019 ms

Remote clock offset: 1.352 ms

Below is generated by plot.py at 2018-08-03 04:13:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 140.72 Mbit/s

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

Loss rate: 0.50%

-- Flow 1:

Average throughput: 56.78 Mbit/s

95th percentile per-packet one-way delay: 61.159 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 104.14 Mbit/s

95th percentile per-packet one-way delay: 61.325 ms

Loss rate: 0.42%

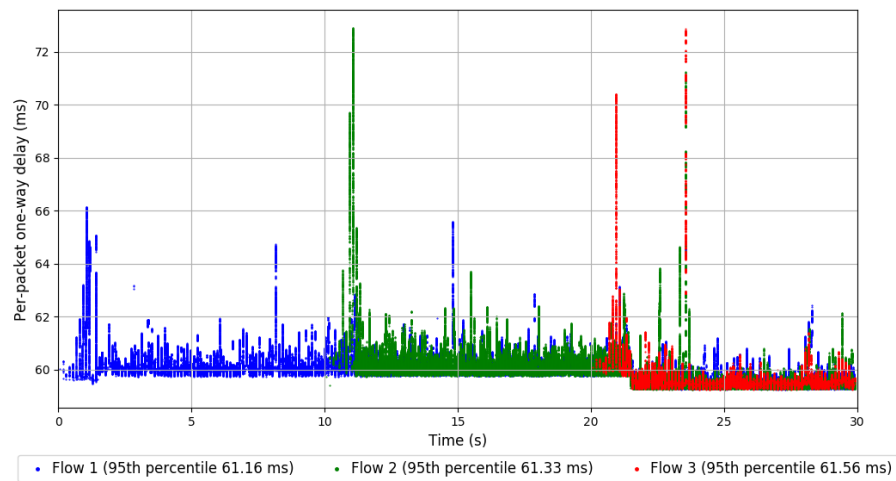
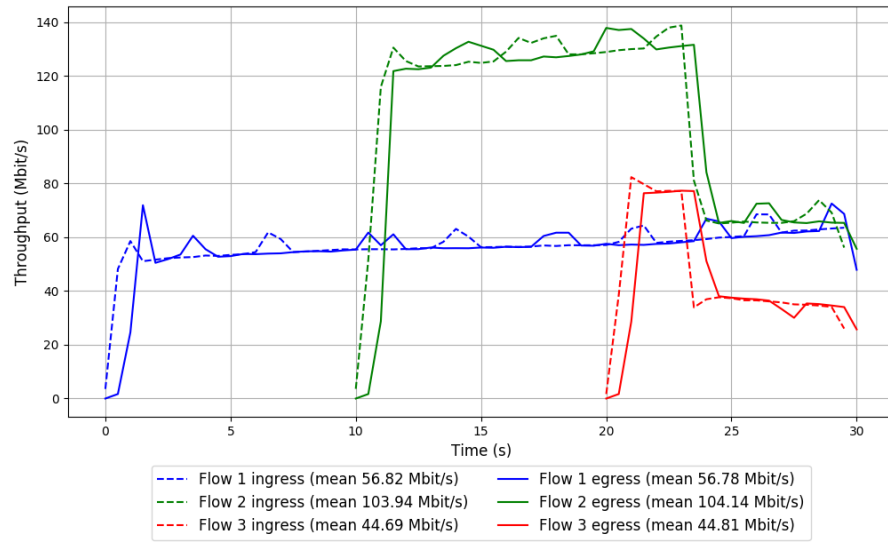
-- Flow 3:

Average throughput: 44.81 Mbit/s

95th percentile per-packet one-way delay: 61.561 ms

Loss rate: 1.03%

Run 2: Report of TCP Vegas — Data Link

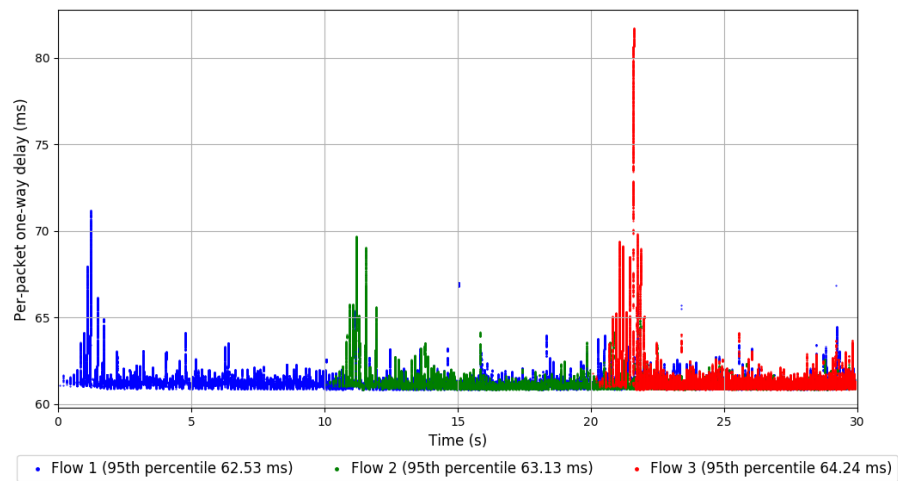
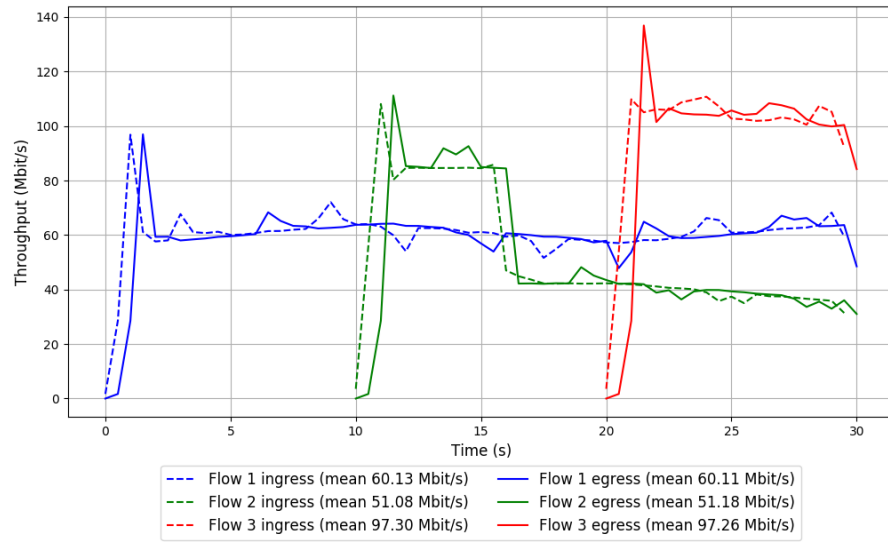


Run 3: Statistics of TCP Vegas

Start at: 2018-08-02 21:37:09
End at: 2018-08-02 21:37:39
Local clock offset: -0.057 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-08-03 04:13:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 126.19 Mbit/s
95th percentile per-packet one-way delay: 62.986 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 60.11 Mbit/s
95th percentile per-packet one-way delay: 62.531 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 51.18 Mbit/s
95th percentile per-packet one-way delay: 63.135 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 64.241 ms
Loss rate: 1.27%

Run 3: Report of TCP Vegas — Data Link

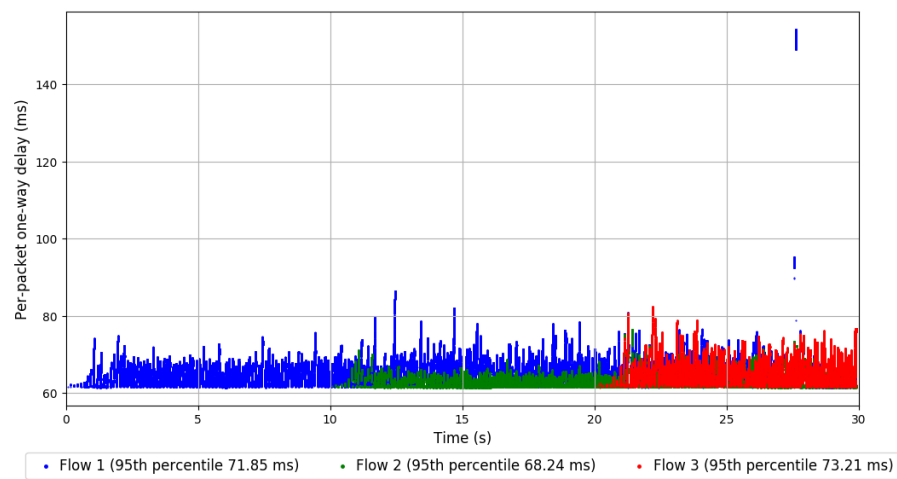
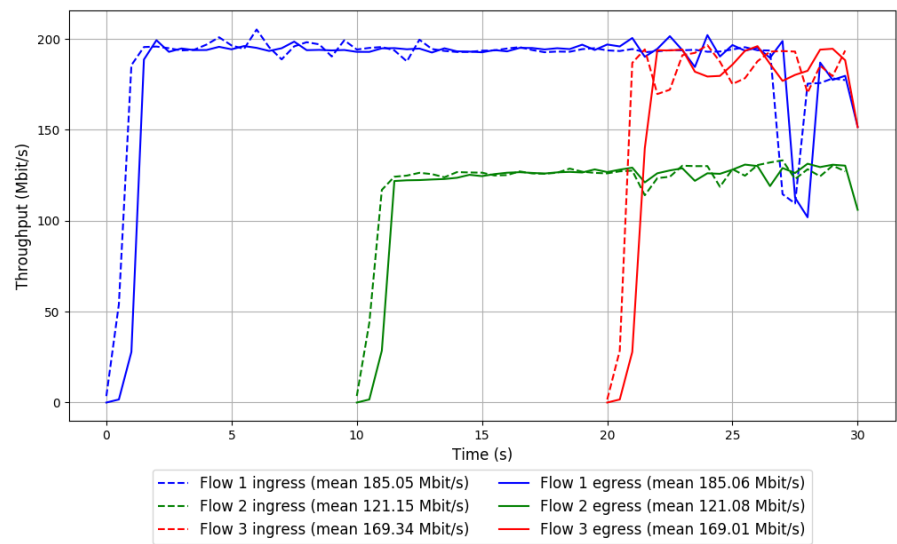


Run 4: Statistics of TCP Vegas

Start at: 2018-08-02 22:03:43
End at: 2018-08-02 22:04:13
Local clock offset: -0.105 ms
Remote clock offset: -0.535 ms

Below is generated by plot.py at 2018-08-03 04:13:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 321.16 Mbit/s
95th percentile per-packet one-way delay: 71.594 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 185.06 Mbit/s
95th percentile per-packet one-way delay: 71.851 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 121.08 Mbit/s
95th percentile per-packet one-way delay: 68.240 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 169.01 Mbit/s
95th percentile per-packet one-way delay: 73.213 ms
Loss rate: 1.43%

Run 4: Report of TCP Vegas — Data Link

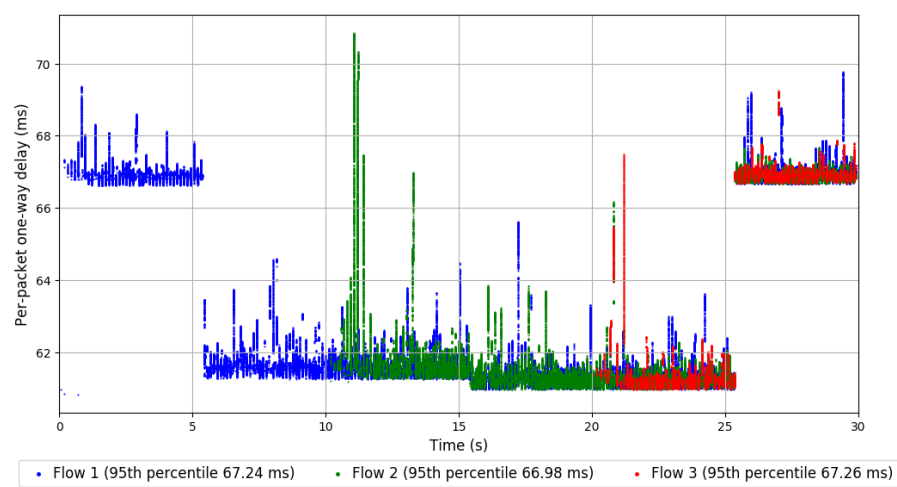
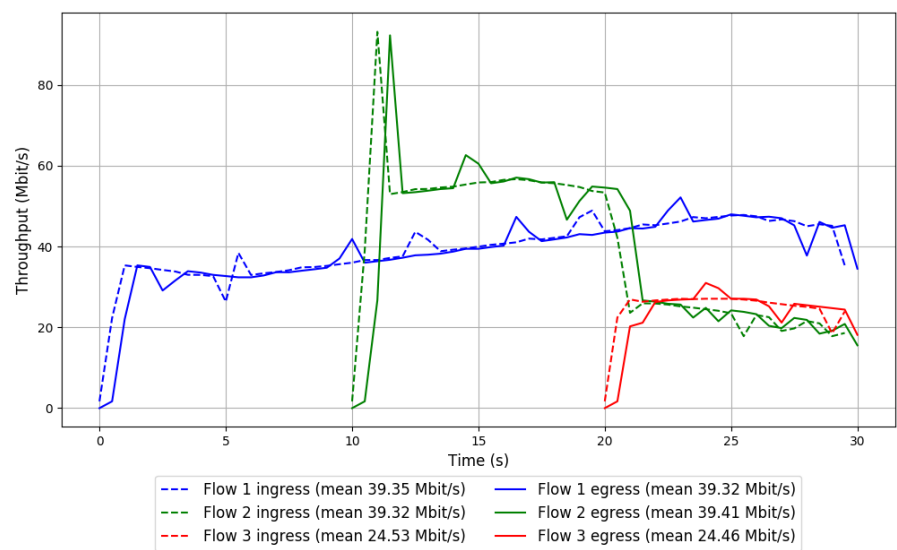


Run 5: Statistics of TCP Vegas

Start at: 2018-08-02 22:30:04
End at: 2018-08-02 22:30:34
Local clock offset: -0.093 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-08-03 04:13:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.54 Mbit/s
95th percentile per-packet one-way delay: 67.148 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 39.32 Mbit/s
95th percentile per-packet one-way delay: 67.240 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 39.41 Mbit/s
95th percentile per-packet one-way delay: 66.983 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 67.261 ms
Loss rate: 1.52%

Run 5: Report of TCP Vegas — Data Link

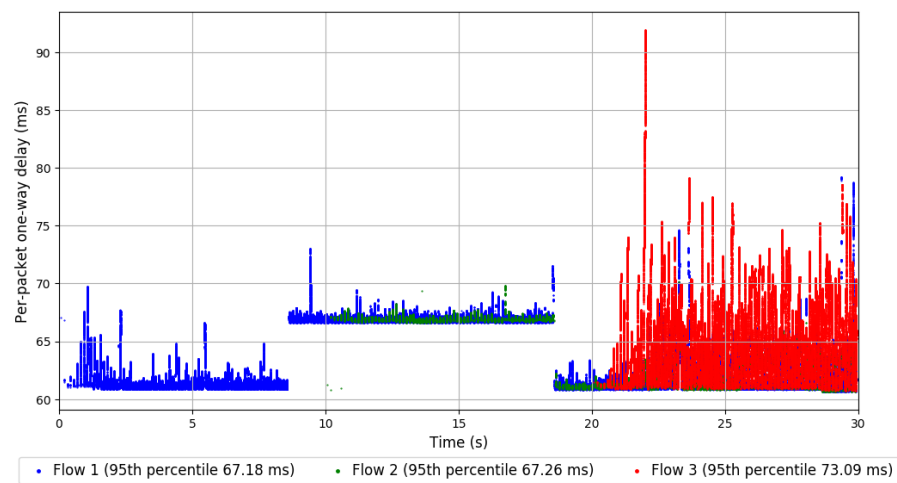
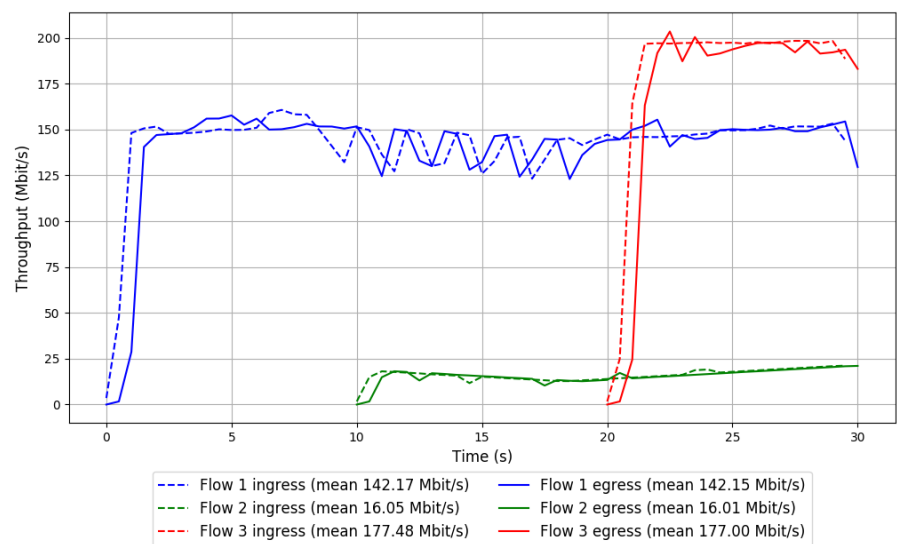


Run 6: Statistics of TCP Vegas

Start at: 2018-08-02 22:55:40
End at: 2018-08-02 22:56:10
Local clock offset: -0.145 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-08-03 04:13:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 211.14 Mbit/s
95th percentile per-packet one-way delay: 69.567 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 142.15 Mbit/s
95th percentile per-packet one-way delay: 67.180 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 16.01 Mbit/s
95th percentile per-packet one-way delay: 67.259 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 177.00 Mbit/s
95th percentile per-packet one-way delay: 73.089 ms
Loss rate: 1.49%

Run 6: Report of TCP Vegas — Data Link

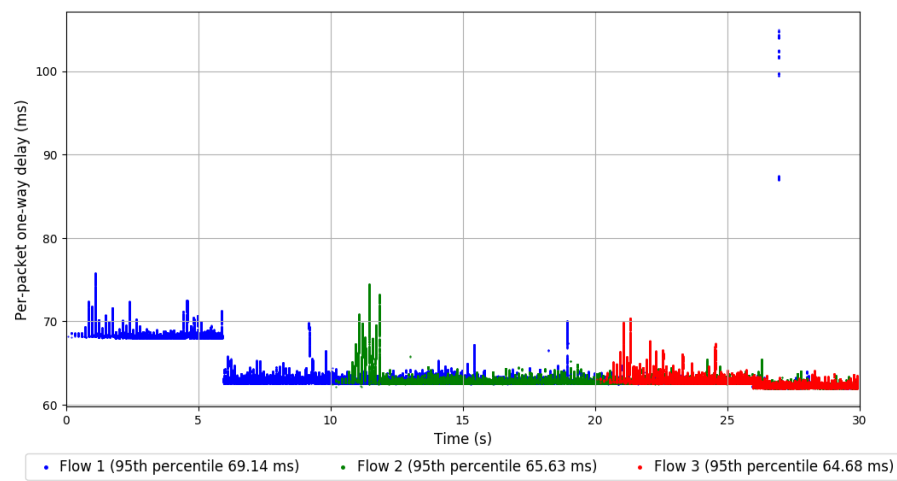
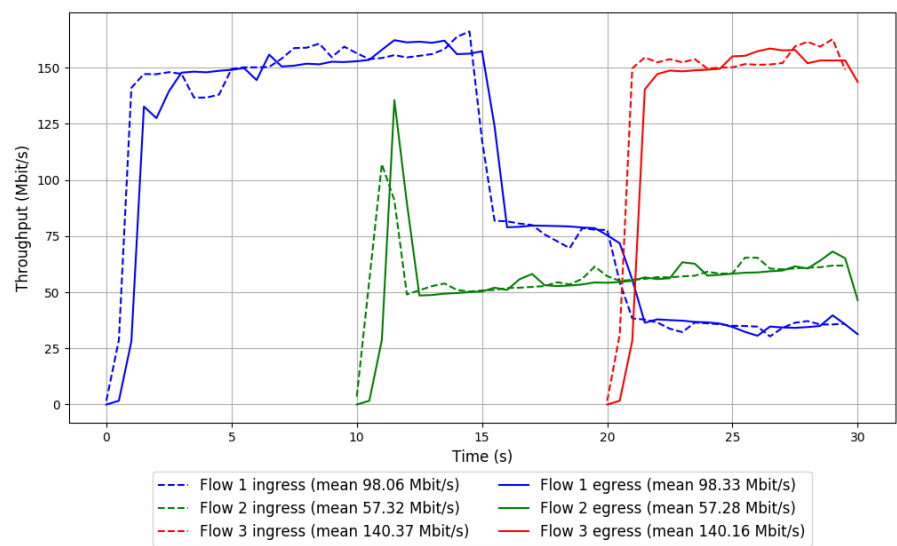


Run 7: Statistics of TCP Vegas

Start at: 2018-08-02 23:22:03
End at: 2018-08-02 23:22:33
Local clock offset: -0.002 ms
Remote clock offset: -1.387 ms

Below is generated by plot.py at 2018-08-03 04:13:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 182.55 Mbit/s
95th percentile per-packet one-way delay: 68.554 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 98.33 Mbit/s
95th percentile per-packet one-way delay: 69.140 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 57.28 Mbit/s
95th percentile per-packet one-way delay: 65.632 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 140.16 Mbit/s
95th percentile per-packet one-way delay: 64.679 ms
Loss rate: 1.38%

Run 7: Report of TCP Vegas — Data Link

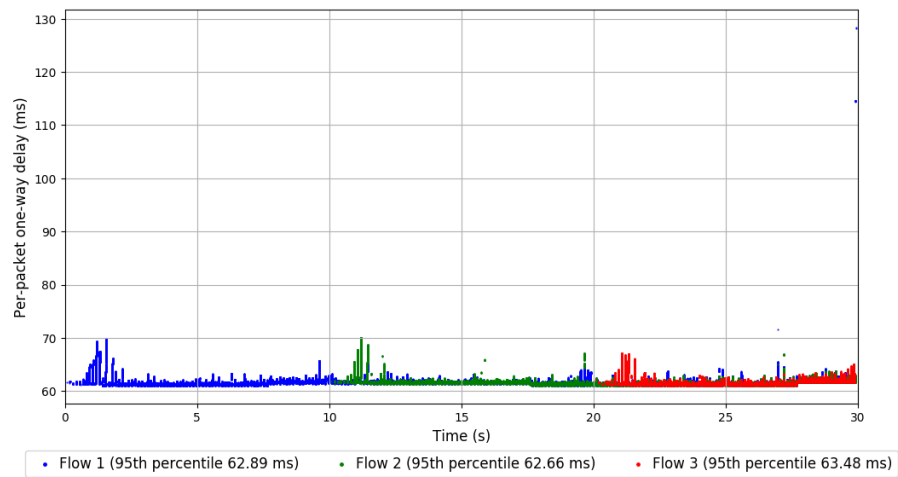
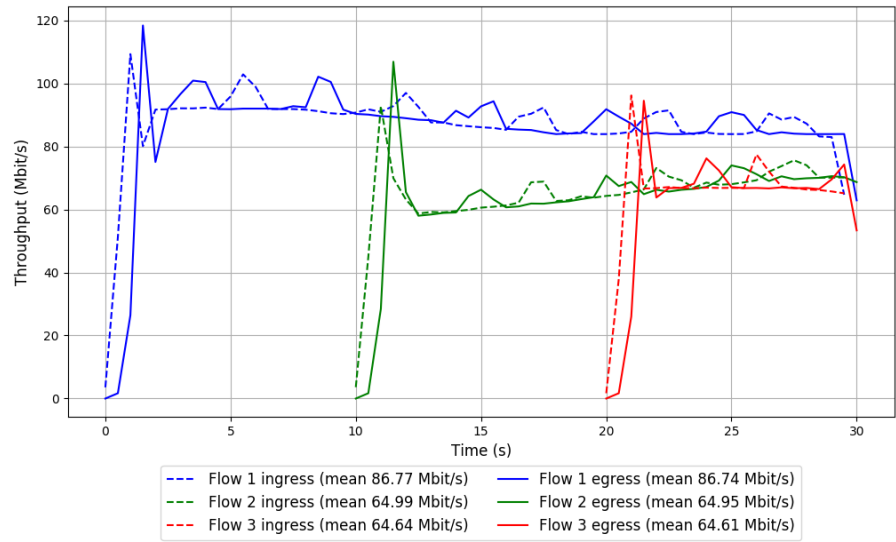


Run 8: Statistics of TCP Vegas

Start at: 2018-08-02 23:48:31
End at: 2018-08-02 23:49:01
Local clock offset: -0.011 ms
Remote clock offset: -0.456 ms

Below is generated by plot.py at 2018-08-03 04:13:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 151.09 Mbit/s
95th percentile per-packet one-way delay: 62.928 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: 62.890 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 64.95 Mbit/s
95th percentile per-packet one-way delay: 62.656 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 64.61 Mbit/s
95th percentile per-packet one-way delay: 63.477 ms
Loss rate: 1.26%

Run 8: Report of TCP Vegas — Data Link

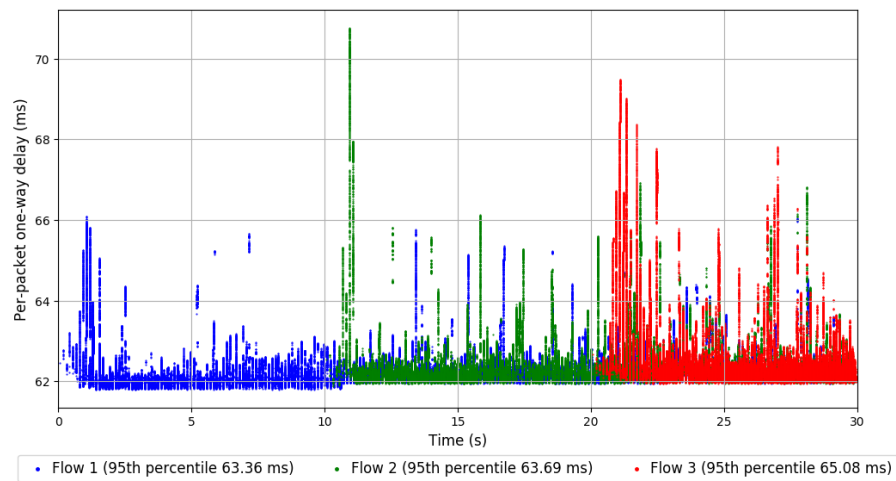
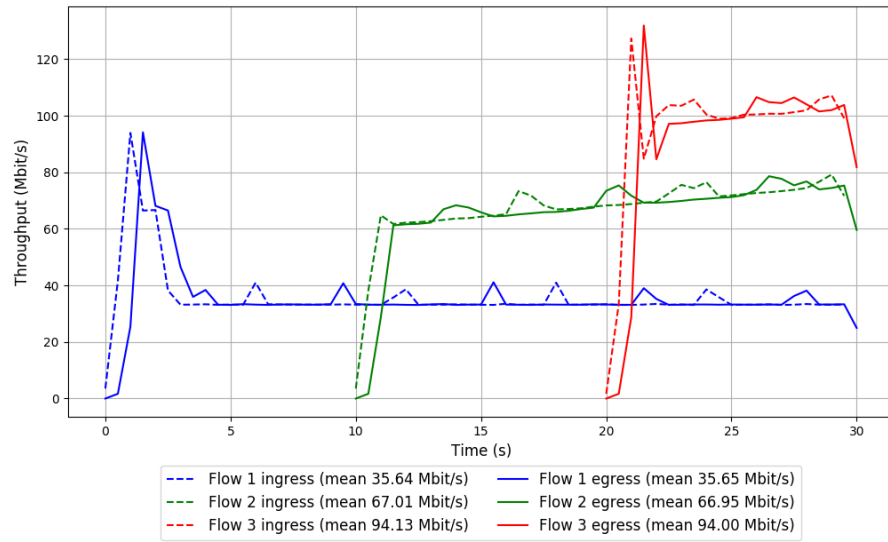


Run 9: Statistics of TCP Vegas

Start at: 2018-08-03 00:14:58
End at: 2018-08-03 00:15:28
Local clock offset: -0.04 ms
Remote clock offset: -1.107 ms

Below is generated by plot.py at 2018-08-03 04:13:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 111.12 Mbit/s
95th percentile per-packet one-way delay: 63.905 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 35.65 Mbit/s
95th percentile per-packet one-way delay: 63.357 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 66.95 Mbit/s
95th percentile per-packet one-way delay: 63.690 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 94.00 Mbit/s
95th percentile per-packet one-way delay: 65.081 ms
Loss rate: 1.38%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-03 00:41:39

End at: 2018-08-03 00:42:09

Local clock offset: -0.015 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-08-03 04:13:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 177.74 Mbit/s

95th percentile per-packet one-way delay: 63.211 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 88.54 Mbit/s

95th percentile per-packet one-way delay: 62.775 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 89.36 Mbit/s

95th percentile per-packet one-way delay: 63.428 ms

Loss rate: 0.69%

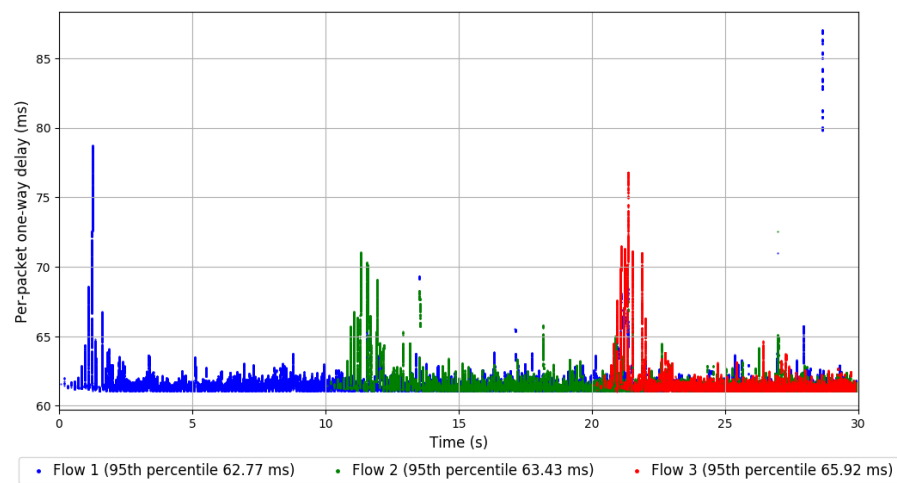
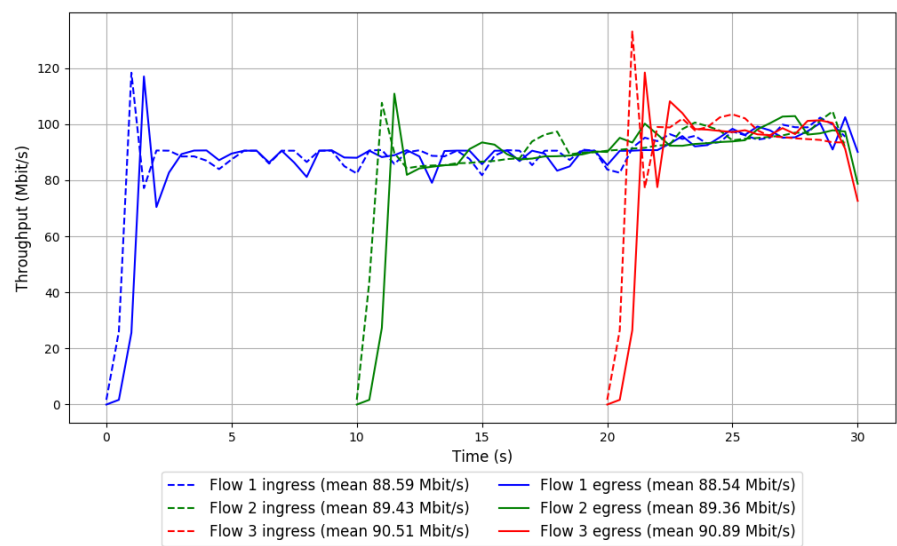
-- Flow 3:

Average throughput: 90.89 Mbit/s

95th percentile per-packet one-way delay: 65.916 ms

Loss rate: 1.30%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-08-02 20:19:51

End at: 2018-08-02 20:20:21

Local clock offset: -0.174 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-08-03 04:17:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 347.32 Mbit/s

95th percentile per-packet one-way delay: 217.571 ms

Loss rate: 6.63%

-- Flow 1:

Average throughput: 147.33 Mbit/s

95th percentile per-packet one-way delay: 121.247 ms

Loss rate: 0.84%

-- Flow 2:

Average throughput: 261.90 Mbit/s

95th percentile per-packet one-way delay: 235.942 ms

Loss rate: 11.11%

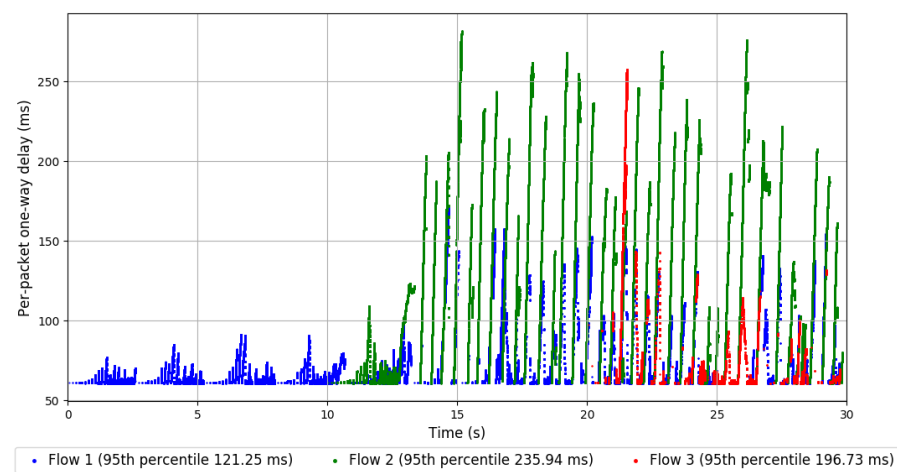
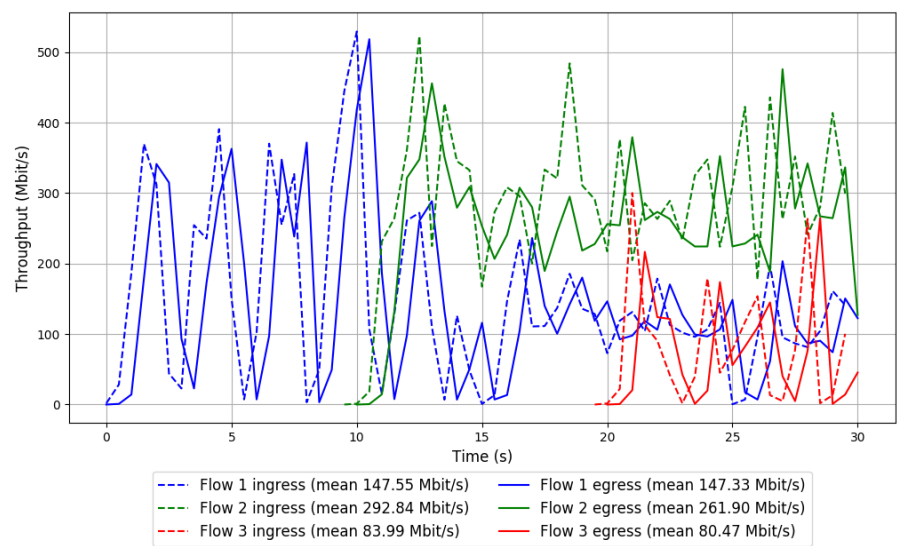
-- Flow 3:

Average throughput: 80.47 Mbit/s

95th percentile per-packet one-way delay: 196.729 ms

Loss rate: 5.89%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-08-02 20:46:32

End at: 2018-08-02 20:47:02

Local clock offset: -0.015 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-08-03 04:18:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 382.49 Mbit/s

95th percentile per-packet one-way delay: 202.560 ms

Loss rate: 2.32%

-- Flow 1:

Average throughput: 222.15 Mbit/s

95th percentile per-packet one-way delay: 221.572 ms

Loss rate: 2.67%

-- Flow 2:

Average throughput: 218.30 Mbit/s

95th percentile per-packet one-way delay: 126.859 ms

Loss rate: 1.33%

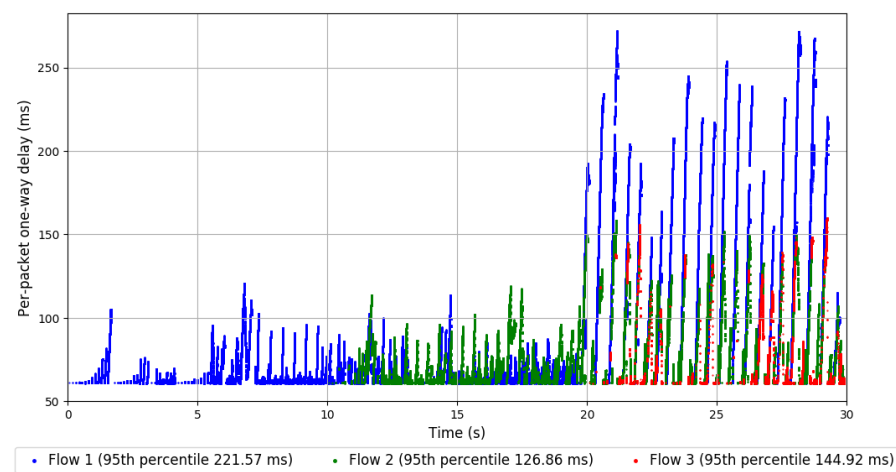
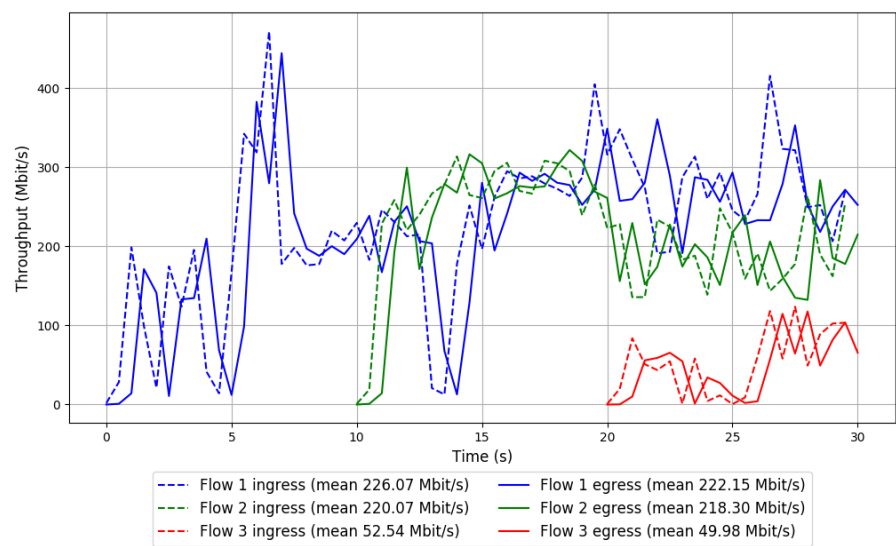
-- Flow 3:

Average throughput: 49.98 Mbit/s

95th percentile per-packet one-way delay: 144.919 ms

Loss rate: 6.07%

Run 2: Report of Verus — Data Link

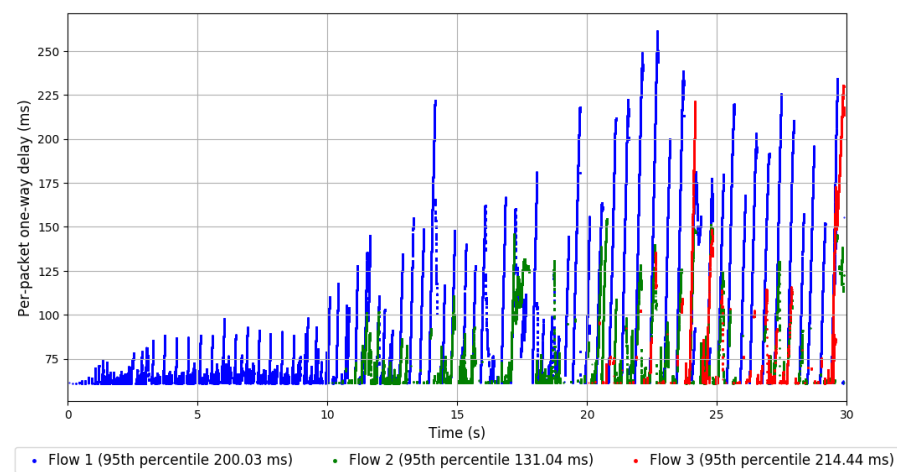
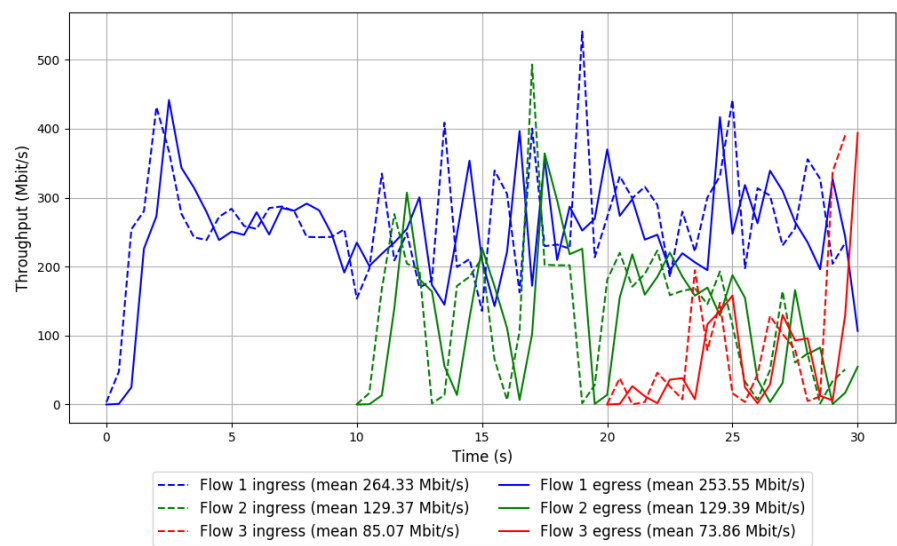


Run 3: Statistics of Verus

Start at: 2018-08-02 21:13:06
End at: 2018-08-02 21:13:36
Local clock offset: -0.076 ms
Remote clock offset: -0.291 ms

Below is generated by plot.py at 2018-08-03 04:18:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 363.75 Mbit/s
95th percentile per-packet one-way delay: 193.572 ms
Loss rate: 4.20%
-- Flow 1:
Average throughput: 253.55 Mbit/s
95th percentile per-packet one-way delay: 200.028 ms
Loss rate: 4.45%
-- Flow 2:
Average throughput: 129.39 Mbit/s
95th percentile per-packet one-way delay: 131.038 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 73.86 Mbit/s
95th percentile per-packet one-way delay: 214.445 ms
Loss rate: 12.82%

Run 3: Report of Verus — Data Link

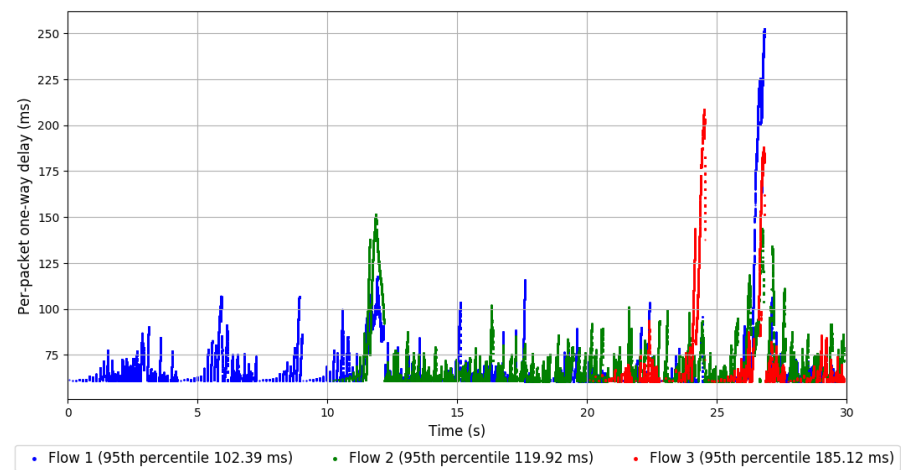
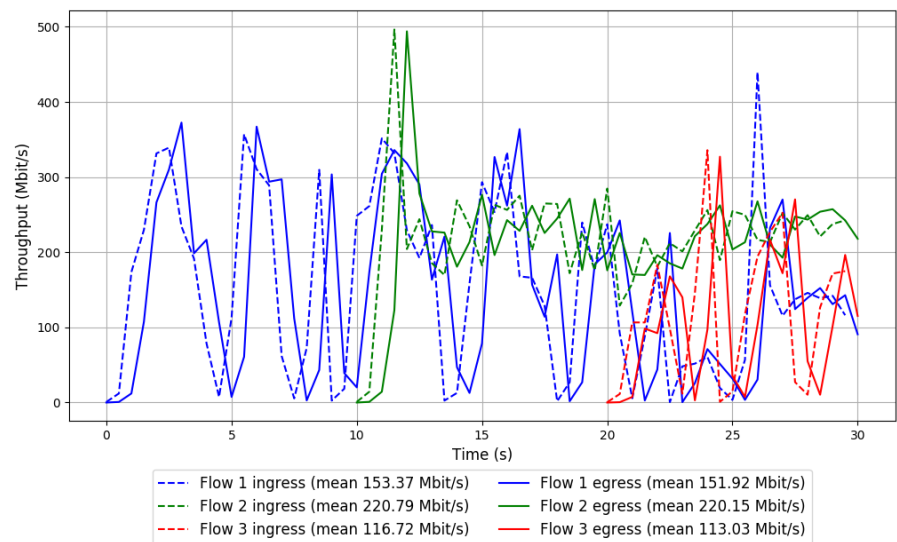


Run 4: Statistics of Verus

Start at: 2018-08-02 21:39:51
End at: 2018-08-02 21:40:21
Local clock offset: -0.161 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2018-08-03 04:18:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 335.15 Mbit/s
95th percentile per-packet one-way delay: 122.573 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 151.92 Mbit/s
95th percentile per-packet one-way delay: 102.390 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 220.15 Mbit/s
95th percentile per-packet one-way delay: 119.920 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 113.03 Mbit/s
95th percentile per-packet one-way delay: 185.119 ms
Loss rate: 4.34%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-08-02 22:06:37

End at: 2018-08-02 22:07:07

Local clock offset: -0.136 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-08-03 04:19:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 359.91 Mbit/s

95th percentile per-packet one-way delay: 169.908 ms

Loss rate: 1.94%

-- Flow 1:

Average throughput: 216.89 Mbit/s

95th percentile per-packet one-way delay: 173.788 ms

Loss rate: 1.90%

-- Flow 2:

Average throughput: 144.12 Mbit/s

95th percentile per-packet one-way delay: 115.278 ms

Loss rate: 0.86%

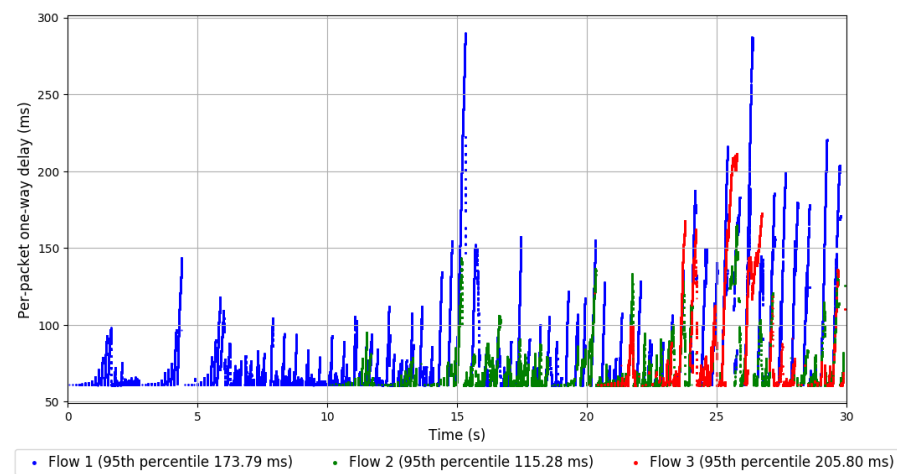
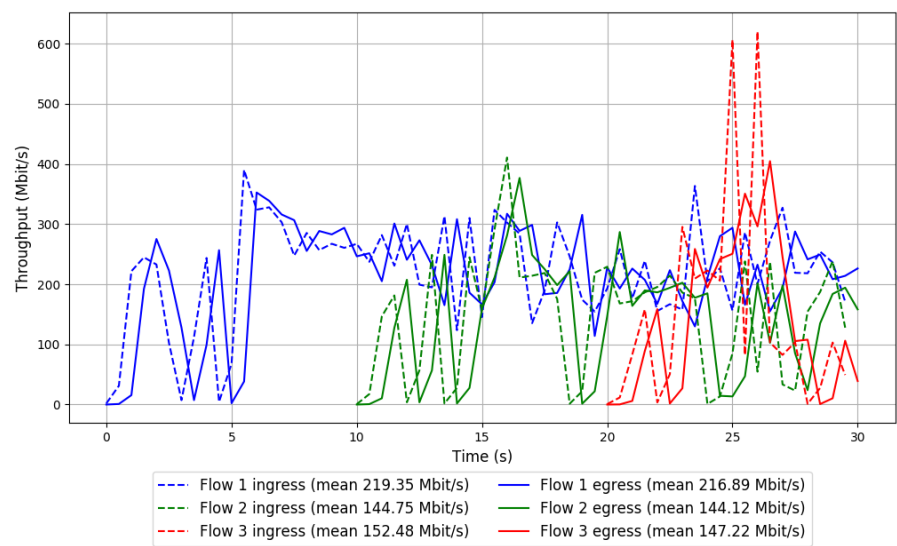
-- Flow 3:

Average throughput: 147.22 Mbit/s

95th percentile per-packet one-way delay: 205.801 ms

Loss rate: 4.17%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-08-02 22:32:39

End at: 2018-08-02 22:33:09

Local clock offset: -0.142 ms

Remote clock offset: 1.021 ms

Below is generated by plot.py at 2018-08-03 04:21:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 390.32 Mbit/s

95th percentile per-packet one-way delay: 120.600 ms

Loss rate: 1.28%

-- Flow 1:

Average throughput: 250.77 Mbit/s

95th percentile per-packet one-way delay: 109.873 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 157.74 Mbit/s

95th percentile per-packet one-way delay: 205.616 ms

Loss rate: 2.49%

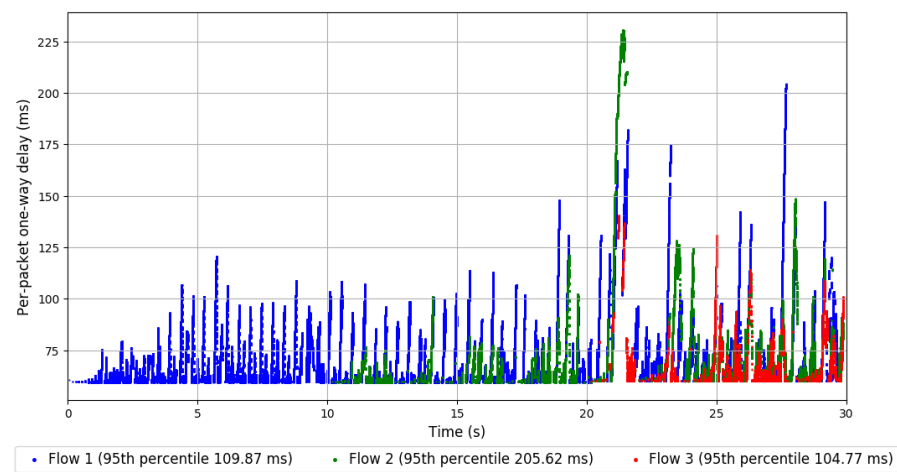
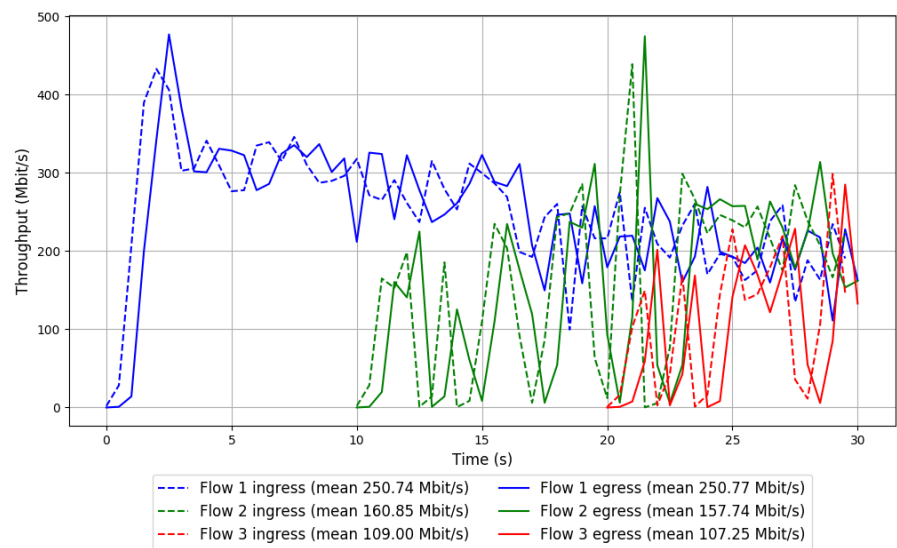
-- Flow 3:

Average throughput: 107.25 Mbit/s

95th percentile per-packet one-way delay: 104.770 ms

Loss rate: 2.52%

Run 6: Report of Verus — Data Link

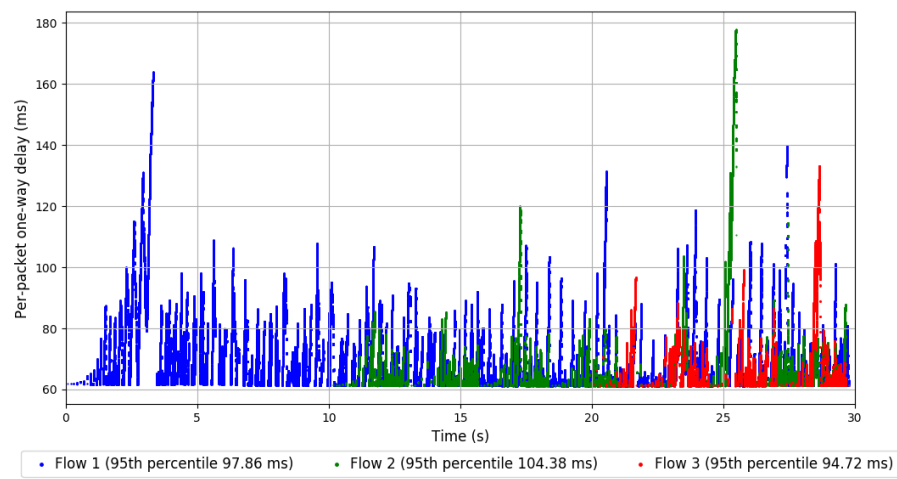
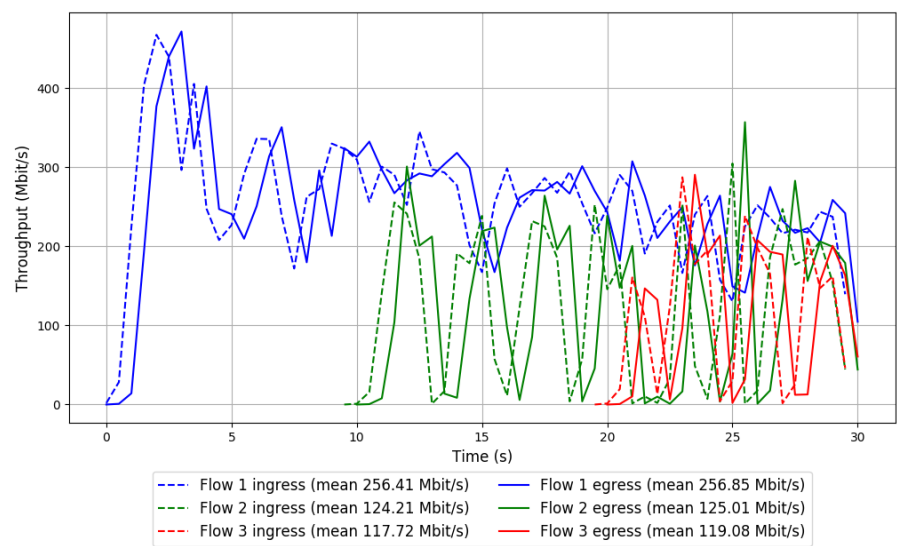


Run 7: Statistics of Verus

Start at: 2018-08-02 22:58:22
End at: 2018-08-02 22:58:52
Local clock offset: -0.098 ms
Remote clock offset: -0.308 ms

Below is generated by plot.py at 2018-08-03 04:21:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 378.63 Mbit/s
95th percentile per-packet one-way delay: 98.164 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 256.85 Mbit/s
95th percentile per-packet one-way delay: 97.863 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 125.01 Mbit/s
95th percentile per-packet one-way delay: 104.382 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 119.08 Mbit/s
95th percentile per-packet one-way delay: 94.724 ms
Loss rate: 0.09%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-02 23:24:44

End at: 2018-08-02 23:25:14

Local clock offset: 0.025 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-08-03 04:21:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 384.91 Mbit/s

95th percentile per-packet one-way delay: 174.468 ms

Loss rate: 2.03%

-- Flow 1:

Average throughput: 214.24 Mbit/s

95th percentile per-packet one-way delay: 102.124 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 223.09 Mbit/s

95th percentile per-packet one-way delay: 206.579 ms

Loss rate: 3.69%

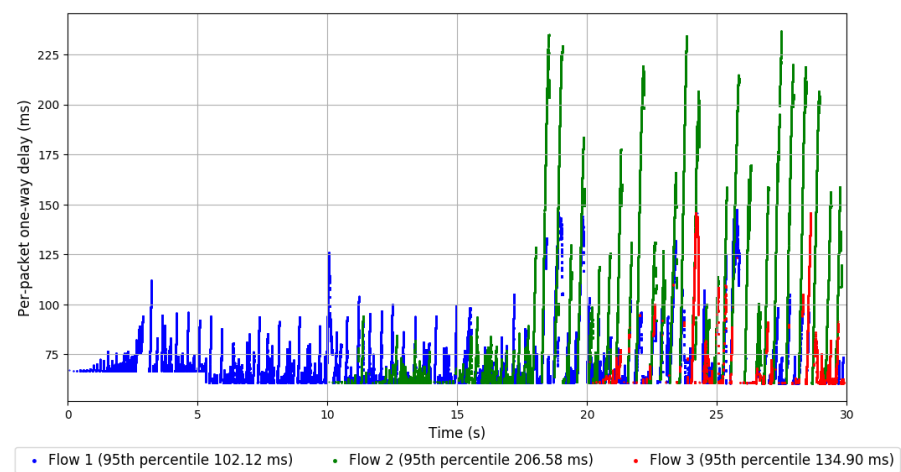
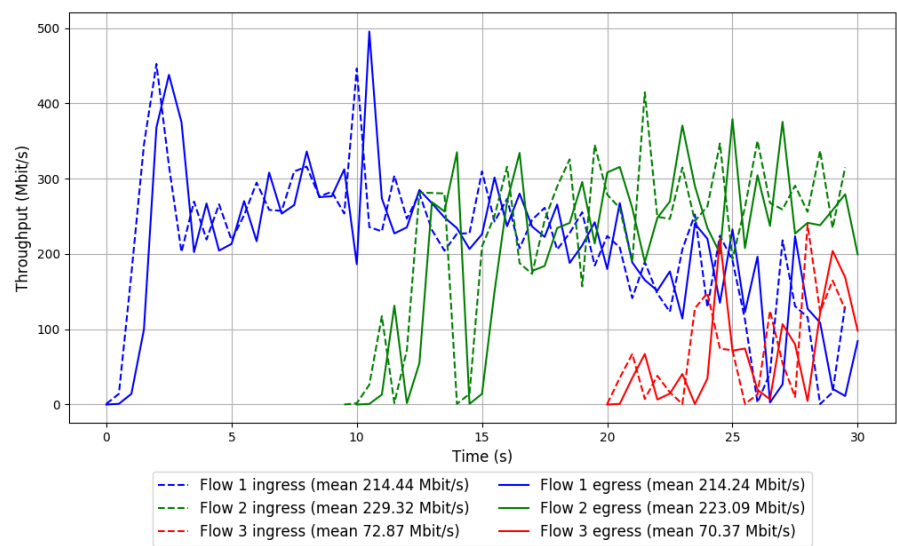
-- Flow 3:

Average throughput: 70.37 Mbit/s

95th percentile per-packet one-way delay: 134.902 ms

Loss rate: 4.75%

Run 8: Report of Verus — Data Link

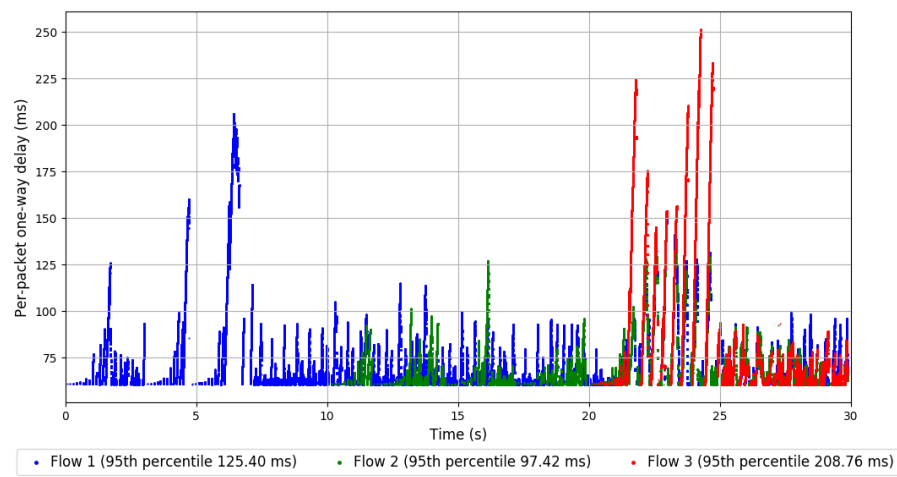
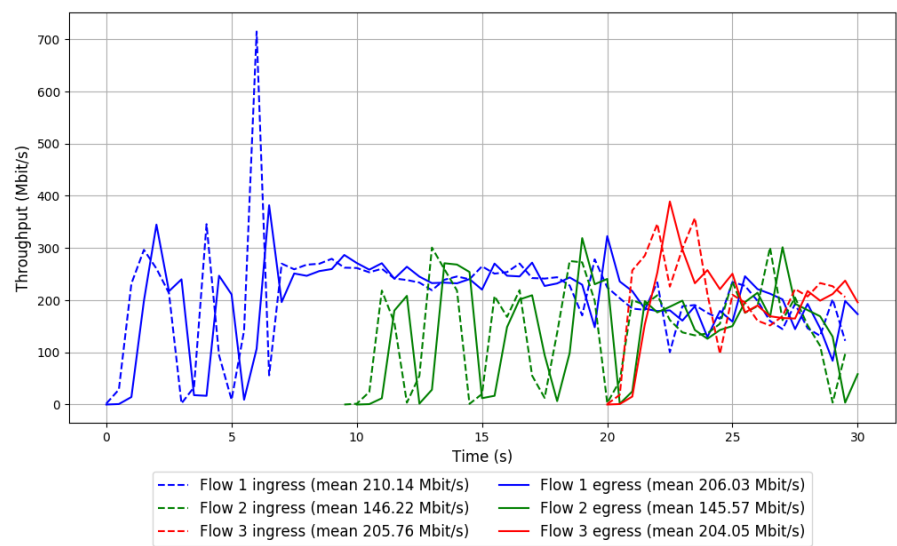


Run 9: Statistics of Verus

Start at: 2018-08-02 23:51:11
End at: 2018-08-02 23:51:41
Local clock offset: -0.081 ms
Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-08-03 04:24:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 369.80 Mbit/s
95th percentile per-packet one-way delay: 145.674 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 206.03 Mbit/s
95th percentile per-packet one-way delay: 125.396 ms
Loss rate: 1.92%
-- Flow 2:
Average throughput: 145.57 Mbit/s
95th percentile per-packet one-way delay: 97.416 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 204.05 Mbit/s
95th percentile per-packet one-way delay: 208.760 ms
Loss rate: 2.01%

Run 9: Report of Verus — Data Link

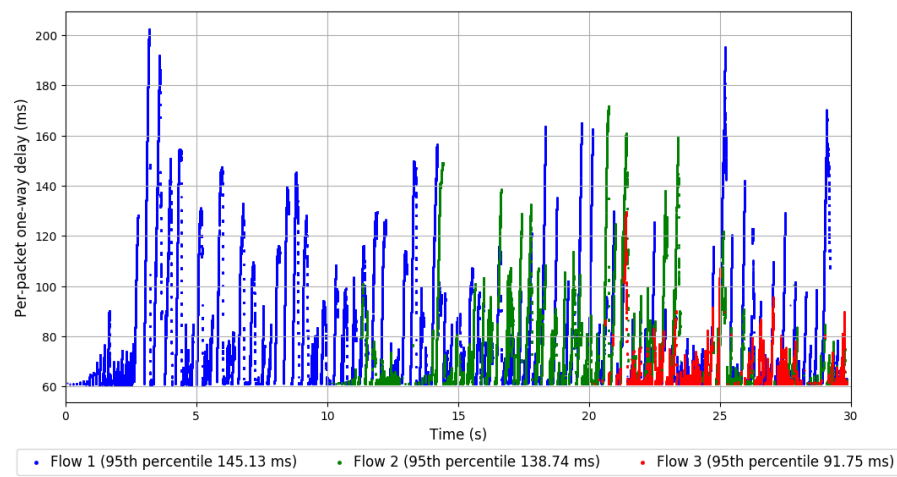
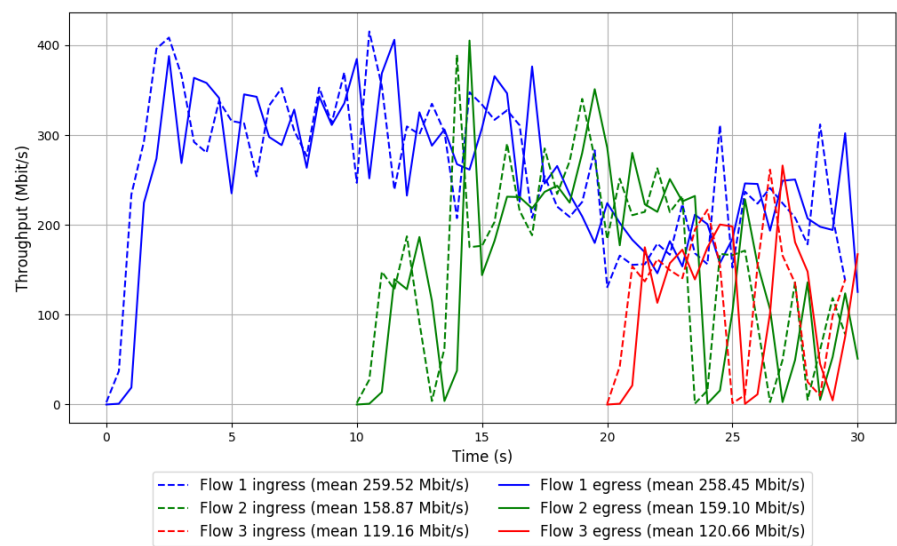


Run 10: Statistics of Verus

Start at: 2018-08-03 00:17:33
End at: 2018-08-03 00:18:03
Local clock offset: -0.025 ms
Remote clock offset: -0.213 ms

Below is generated by plot.py at 2018-08-03 04:25:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 403.59 Mbit/s
95th percentile per-packet one-way delay: 142.113 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 258.45 Mbit/s
95th percentile per-packet one-way delay: 145.127 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 159.10 Mbit/s
95th percentile per-packet one-way delay: 138.743 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 120.66 Mbit/s
95th percentile per-packet one-way delay: 91.751 ms
Loss rate: 0.00%

Run 10: Report of Verus — Data Link

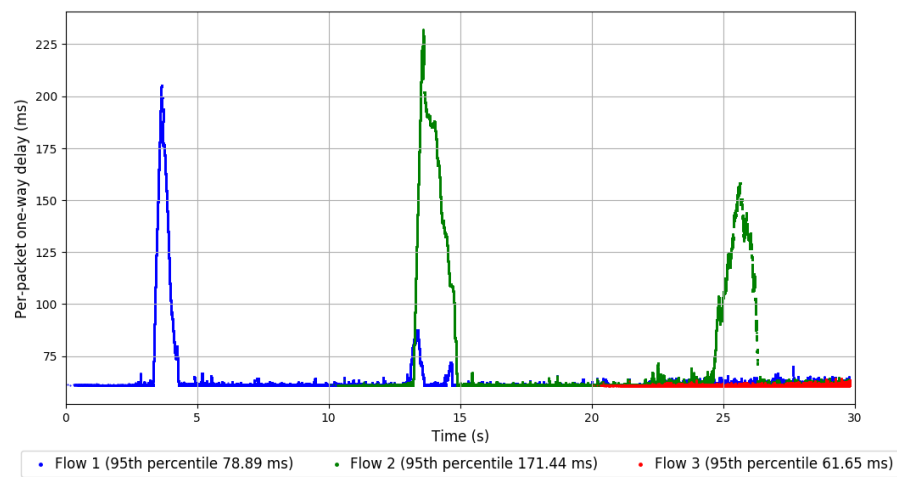
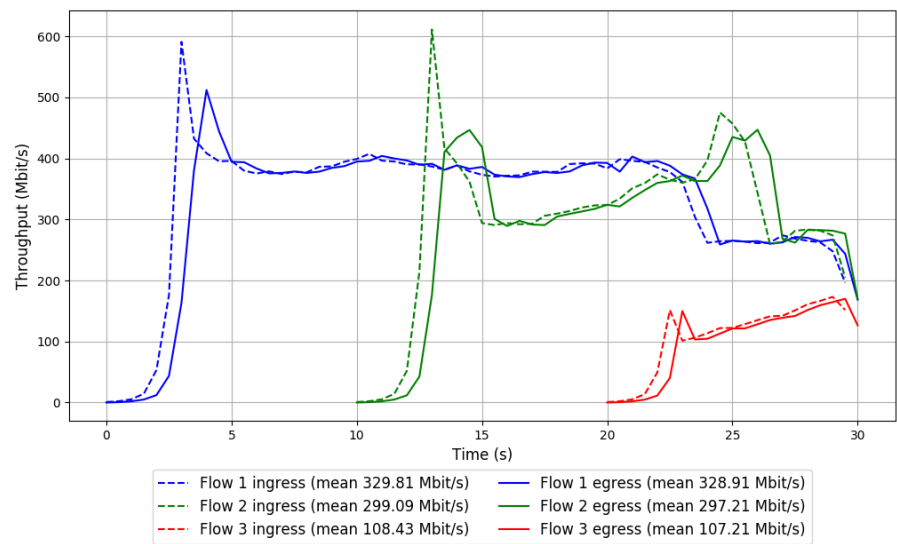


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-02 20:41:46
End at: 2018-08-02 20:42:16
Local clock offset: -0.028 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-08-03 04:29:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 561.25 Mbit/s
95th percentile per-packet one-way delay: 137.810 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 328.91 Mbit/s
95th percentile per-packet one-way delay: 78.886 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 297.21 Mbit/s
95th percentile per-packet one-way delay: 171.437 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 107.21 Mbit/s
95th percentile per-packet one-way delay: 61.646 ms
Loss rate: 2.35%

Run 1: Report of PCC-Vivace — Data Link

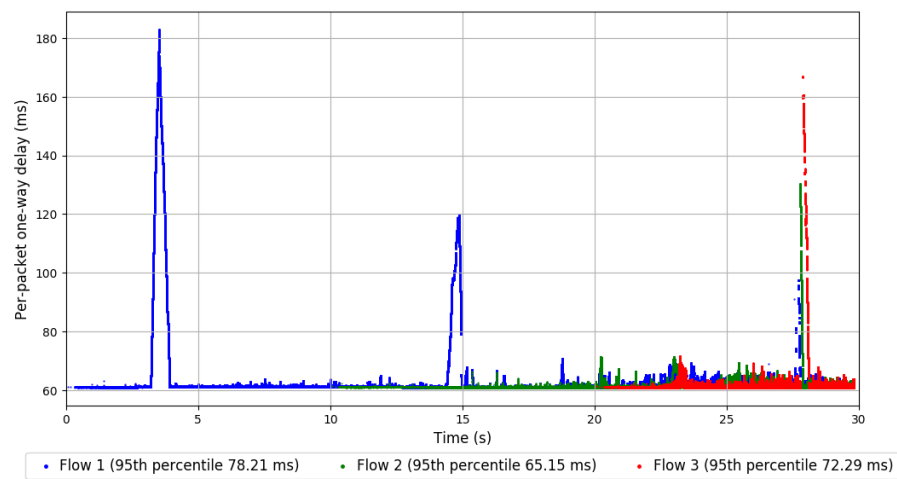
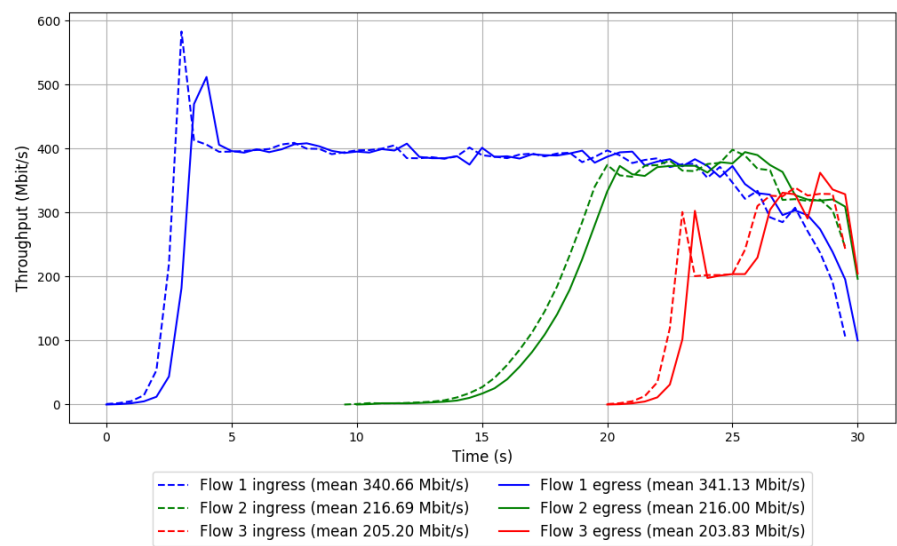


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-02 21:08:38
End at: 2018-08-02 21:09:08
Local clock offset: -0.047 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-08-03 04:29:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 551.35 Mbit/s
95th percentile per-packet one-way delay: 68.276 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 341.13 Mbit/s
95th percentile per-packet one-way delay: 78.208 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 216.00 Mbit/s
95th percentile per-packet one-way delay: 65.154 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 203.83 Mbit/s
95th percentile per-packet one-way delay: 72.289 ms
Loss rate: 1.96%

Run 2: Report of PCC-Vivace — Data Link

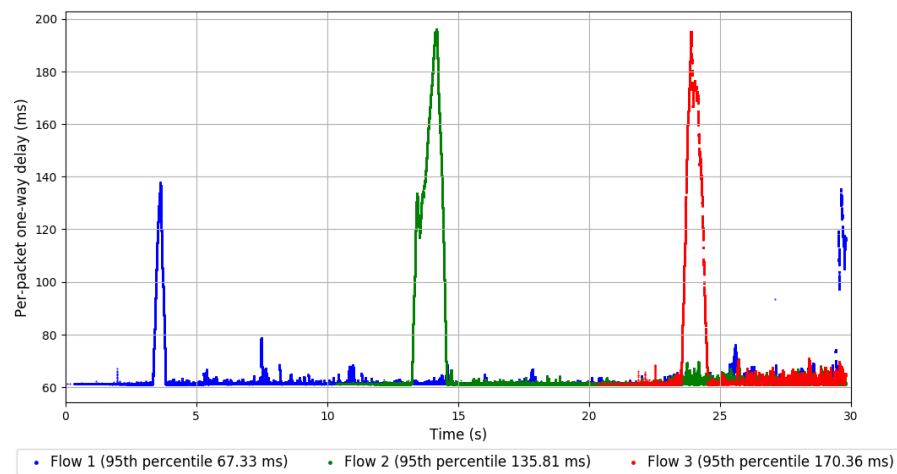
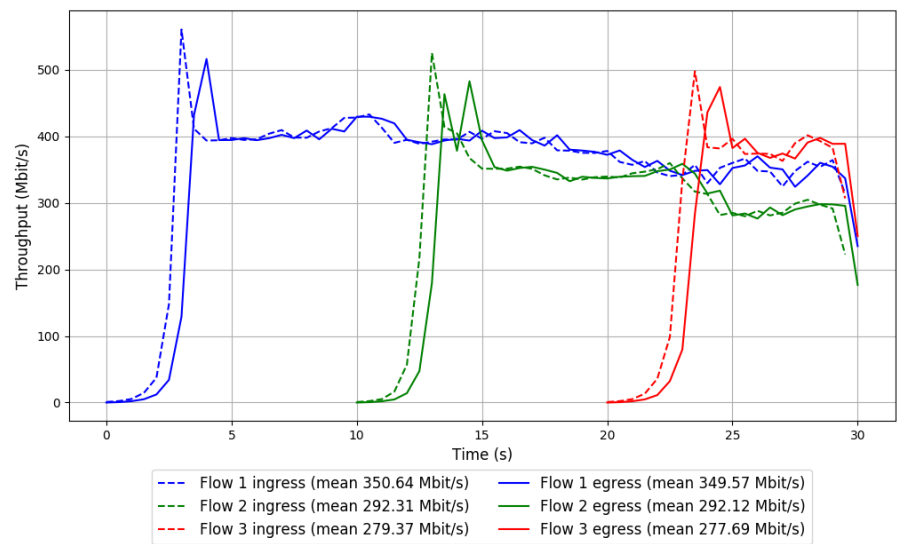


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-02 21:35:13
End at: 2018-08-02 21:35:43
Local clock offset: -0.092 ms
Remote clock offset: -0.252 ms

Below is generated by plot.py at 2018-08-03 04:31:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 634.18 Mbit/s
95th percentile per-packet one-way delay: 115.779 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 349.57 Mbit/s
95th percentile per-packet one-way delay: 67.330 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 292.12 Mbit/s
95th percentile per-packet one-way delay: 135.810 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 277.69 Mbit/s
95th percentile per-packet one-way delay: 170.357 ms
Loss rate: 1.90%

Run 3: Report of PCC-Vivace — Data Link

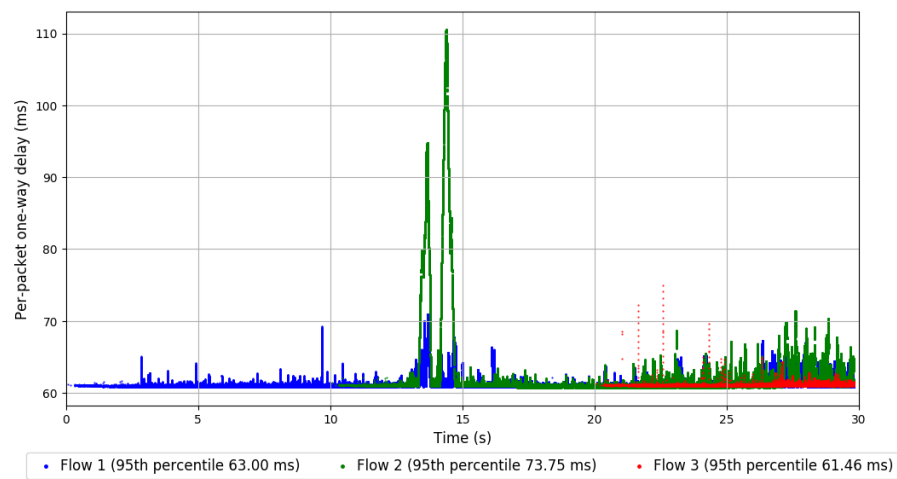
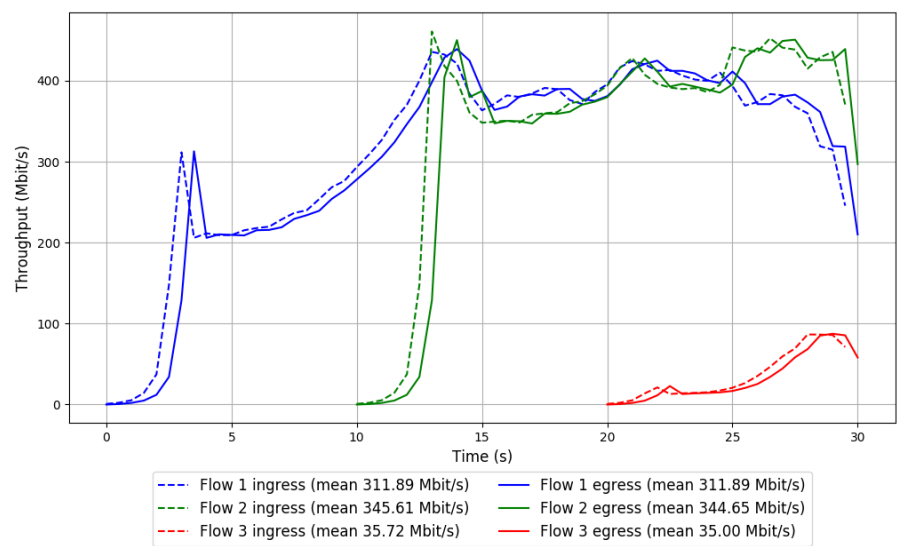


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-02 22:01:54
End at: 2018-08-02 22:02:24
Local clock offset: -0.119 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-08-03 04:32:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 552.16 Mbit/s
95th percentile per-packet one-way delay: 65.208 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 311.89 Mbit/s
95th percentile per-packet one-way delay: 63.003 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 344.65 Mbit/s
95th percentile per-packet one-way delay: 73.750 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 35.00 Mbit/s
95th percentile per-packet one-way delay: 61.457 ms
Loss rate: 3.24%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-08-02 22:28:16

End at: 2018-08-02 22:28:46

Local clock offset: -0.101 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-08-03 04:32:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 536.39 Mbit/s

95th percentile per-packet one-way delay: 114.187 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 330.38 Mbit/s

95th percentile per-packet one-way delay: 143.370 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 228.51 Mbit/s

95th percentile per-packet one-way delay: 77.406 ms

Loss rate: 0.74%

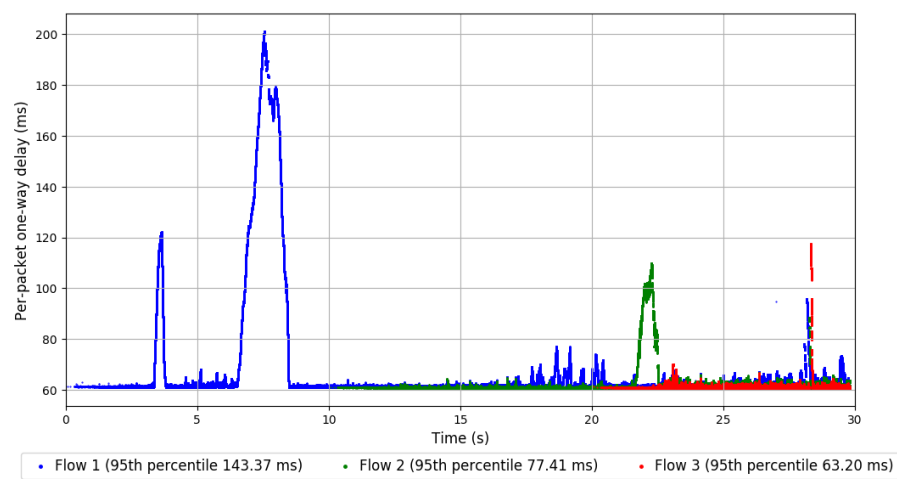
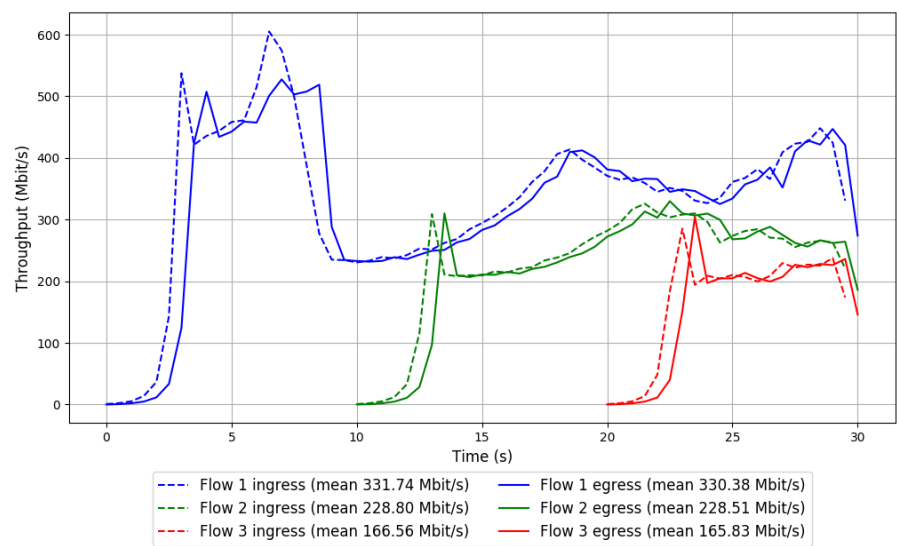
-- Flow 3:

Average throughput: 165.83 Mbit/s

95th percentile per-packet one-way delay: 63.205 ms

Loss rate: 1.68%

Run 5: Report of PCC-Vivace — Data Link

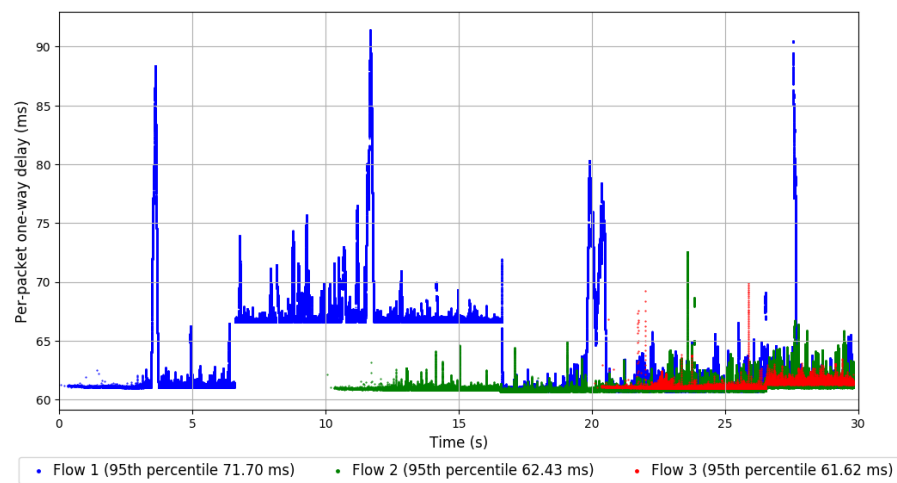
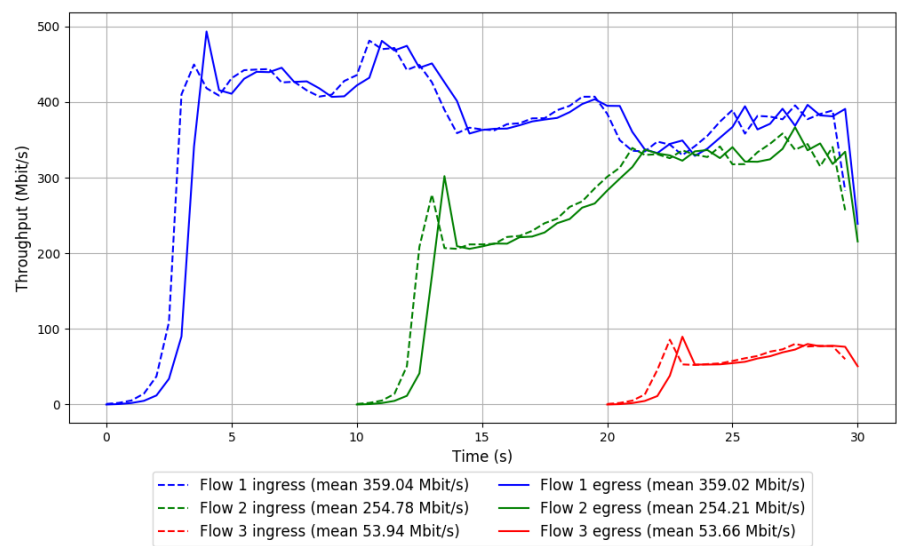


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-02 22:53:52
End at: 2018-08-02 22:54:22
Local clock offset: -0.121 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-08-03 04:32:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 545.25 Mbit/s
95th percentile per-packet one-way delay: 69.165 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 359.02 Mbit/s
95th percentile per-packet one-way delay: 71.701 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 254.21 Mbit/s
95th percentile per-packet one-way delay: 62.430 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 53.66 Mbit/s
95th percentile per-packet one-way delay: 61.621 ms
Loss rate: 1.79%

Run 6: Report of PCC-Vivace — Data Link

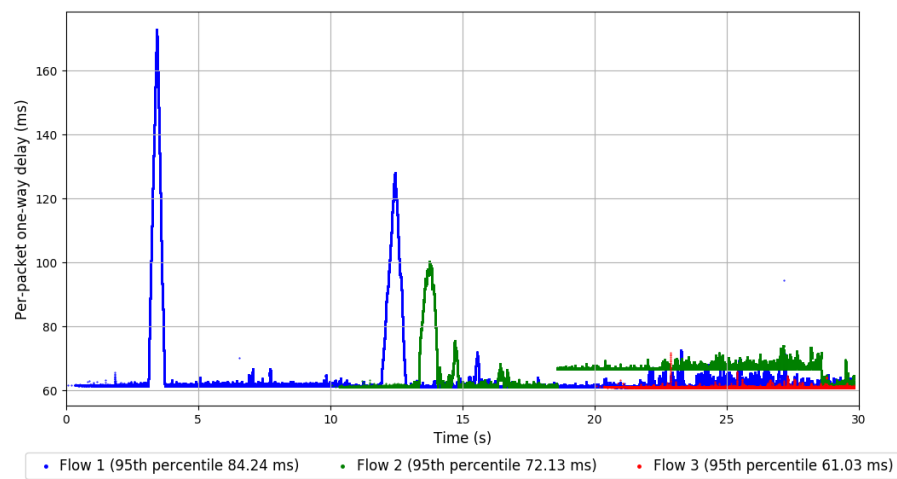
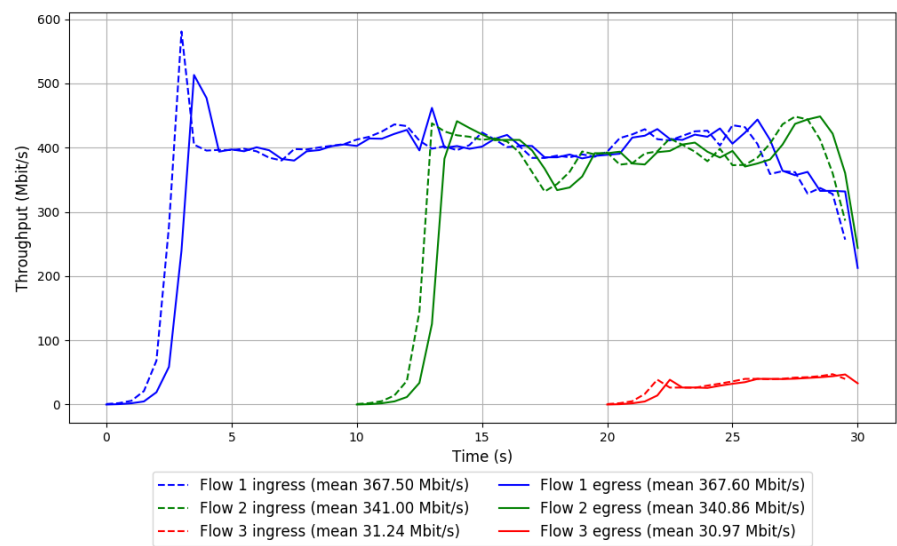


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-02 23:20:10
End at: 2018-08-02 23:20:40
Local clock offset: 0.01 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-08-03 04:34:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 603.97 Mbit/s
95th percentile per-packet one-way delay: 74.315 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 367.60 Mbit/s
95th percentile per-packet one-way delay: 84.241 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 340.86 Mbit/s
95th percentile per-packet one-way delay: 72.133 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 30.97 Mbit/s
95th percentile per-packet one-way delay: 61.026 ms
Loss rate: 2.08%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-02 23:46:42

End at: 2018-08-02 23:47:12

Local clock offset: -0.007 ms

Remote clock offset: 1.082 ms

Below is generated by plot.py at 2018-08-03 04:34:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 577.23 Mbit/s

95th percentile per-packet one-way delay: 106.194 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 361.39 Mbit/s

95th percentile per-packet one-way delay: 107.992 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 309.15 Mbit/s

95th percentile per-packet one-way delay: 101.613 ms

Loss rate: 0.73%

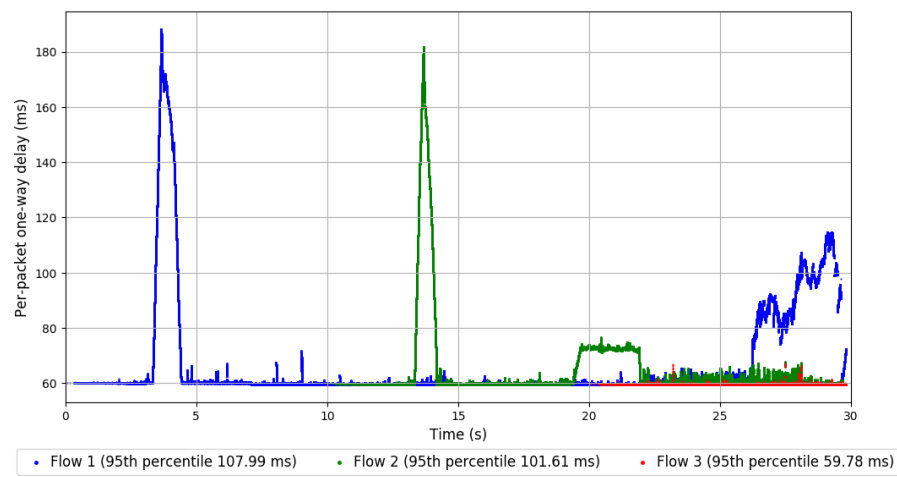
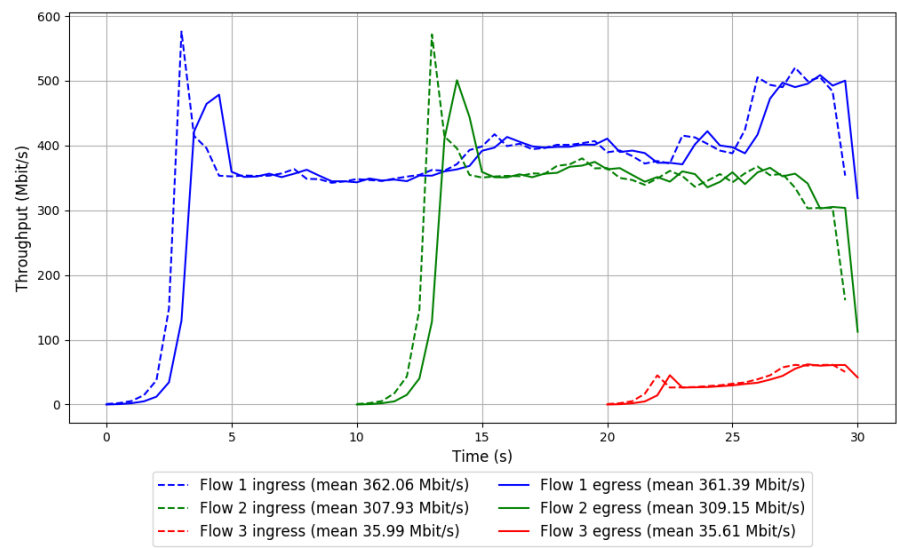
-- Flow 3:

Average throughput: 35.61 Mbit/s

95th percentile per-packet one-way delay: 59.783 ms

Loss rate: 2.29%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-03 00:13:01

End at: 2018-08-03 00:13:31

Local clock offset: 0.022 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-08-03 04:36:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 650.60 Mbit/s

95th percentile per-packet one-way delay: 72.619 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 332.29 Mbit/s

95th percentile per-packet one-way delay: 66.186 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 350.19 Mbit/s

95th percentile per-packet one-way delay: 68.341 ms

Loss rate: 0.93%

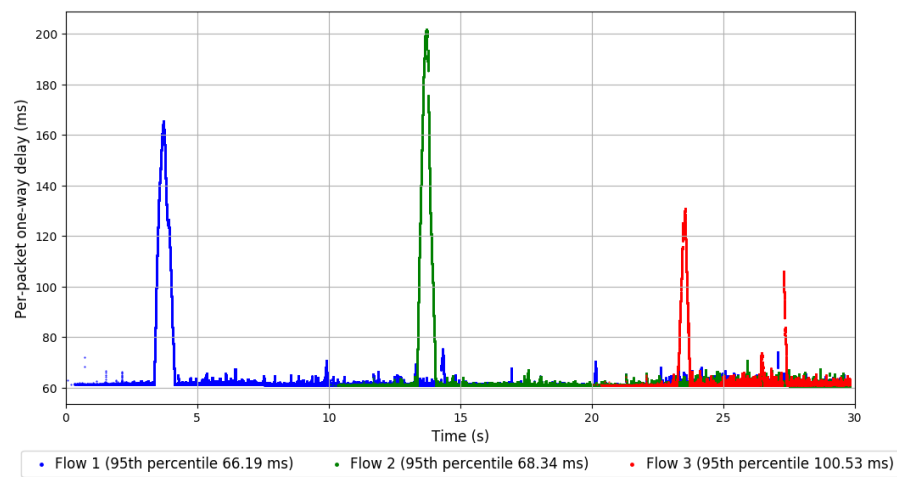
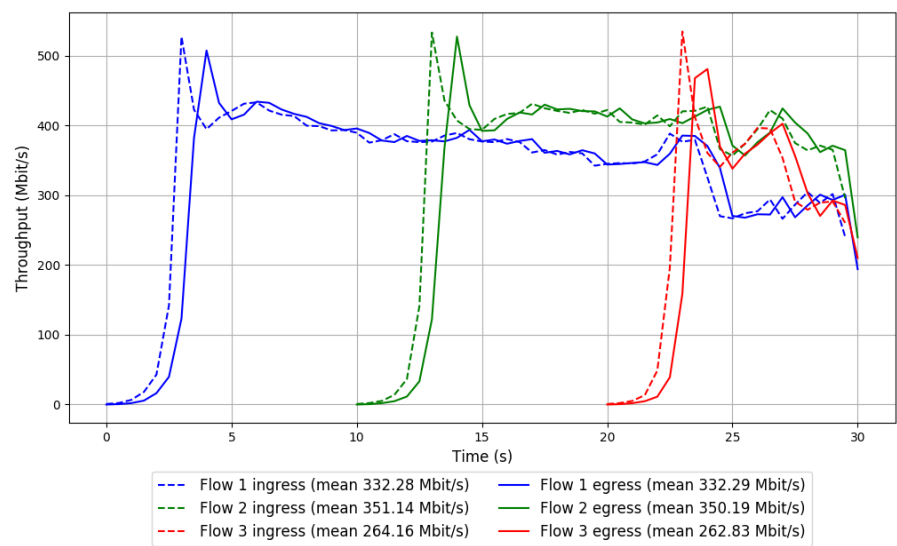
-- Flow 3:

Average throughput: 262.83 Mbit/s

95th percentile per-packet one-way delay: 100.525 ms

Loss rate: 1.75%

Run 9: Report of PCC-Vivace — Data Link

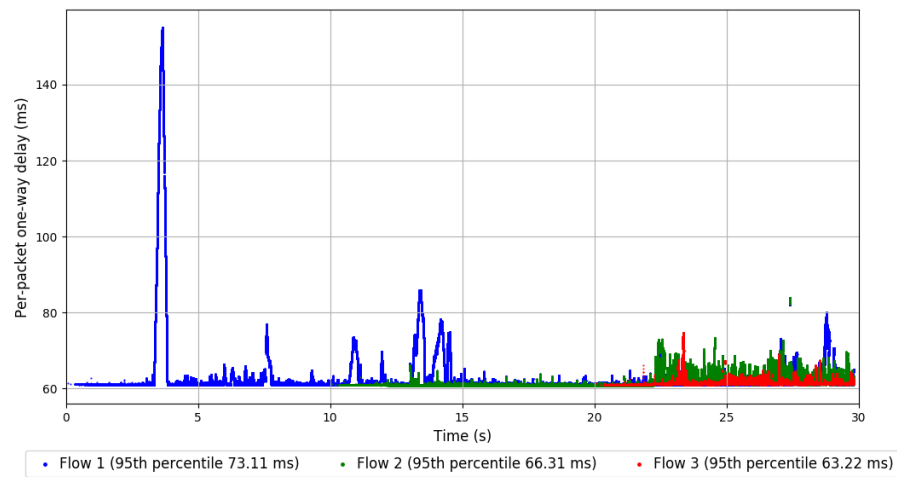
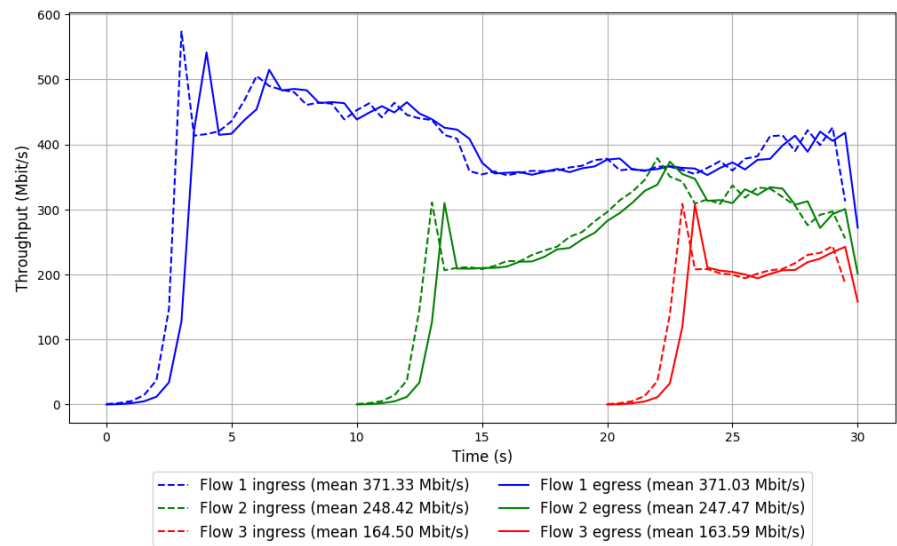


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-03 00:39:47
End at: 2018-08-03 00:40:17
Local clock offset: -0.04 ms
Remote clock offset: -0.305 ms

Below is generated by plot.py at 2018-08-03 04:36:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 588.79 Mbit/s
95th percentile per-packet one-way delay: 69.756 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 371.03 Mbit/s
95th percentile per-packet one-way delay: 73.110 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 247.47 Mbit/s
95th percentile per-packet one-way delay: 66.306 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 163.59 Mbit/s
95th percentile per-packet one-way delay: 63.217 ms
Loss rate: 1.79%

Run 10: Report of PCC-Vivace — Data Link

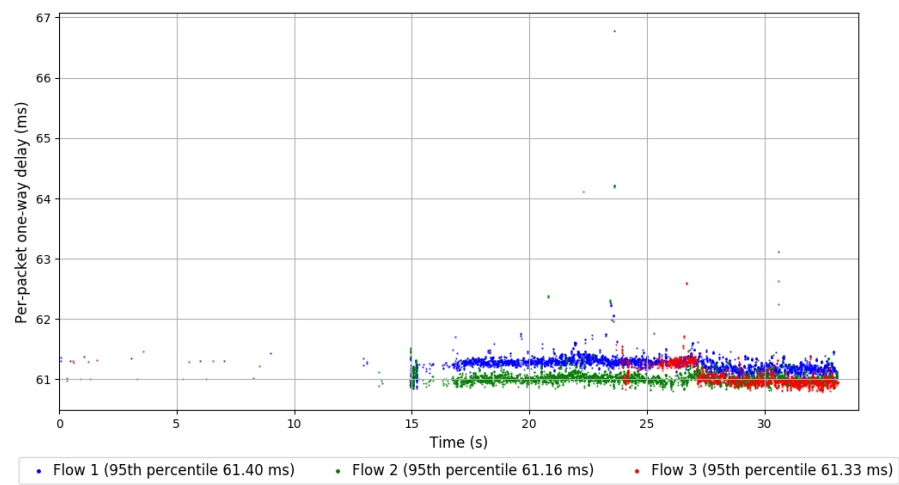
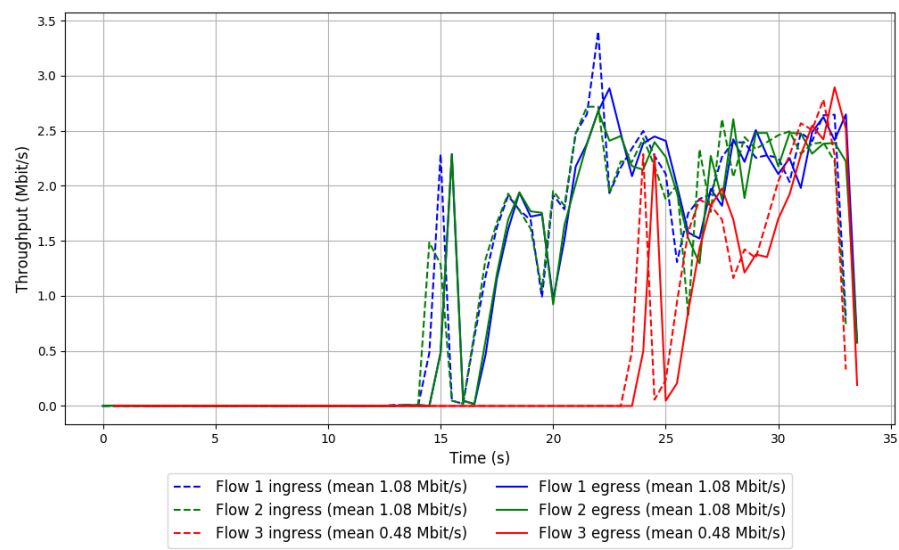


Run 1: Statistics of WebRTC media

Start at: 2018-08-02 20:24:15
End at: 2018-08-02 20:24:45
Local clock offset: -0.055 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-08-03 04:36:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 61.359 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 61.400 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 61.162 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 61.327 ms
Loss rate: 0.53%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-08-02 20:51:04

End at: 2018-08-02 20:51:34

Local clock offset: -0.102 ms

Remote clock offset: 1.192 ms

Below is generated by plot.py at 2018-08-03 04:36:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.56 Mbit/s

95th percentile per-packet one-way delay: 65.475 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 60.279 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 60.320 ms

Loss rate: 0.83%

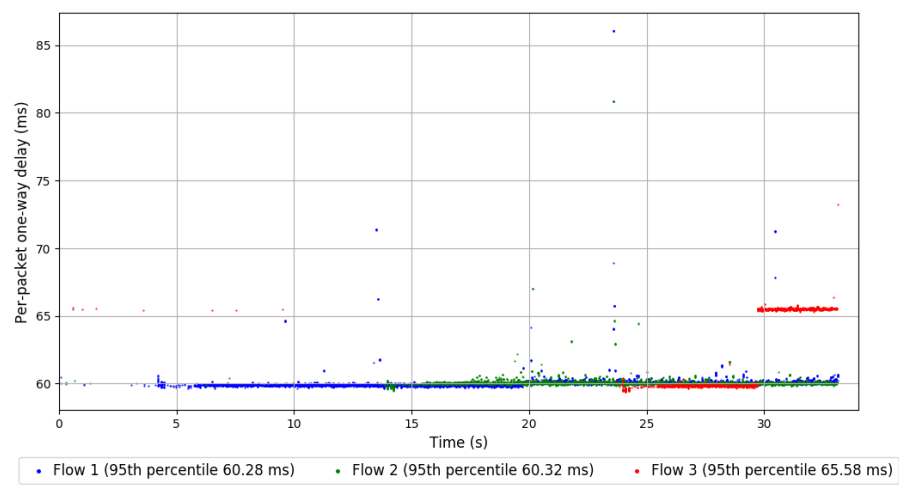
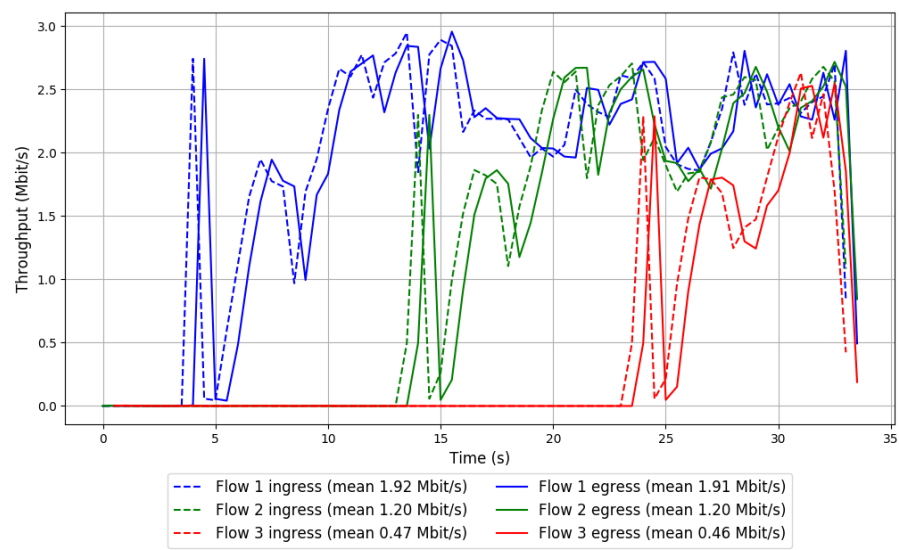
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 65.577 ms

Loss rate: 1.10%

Run 2: Report of WebRTC media — Data Link

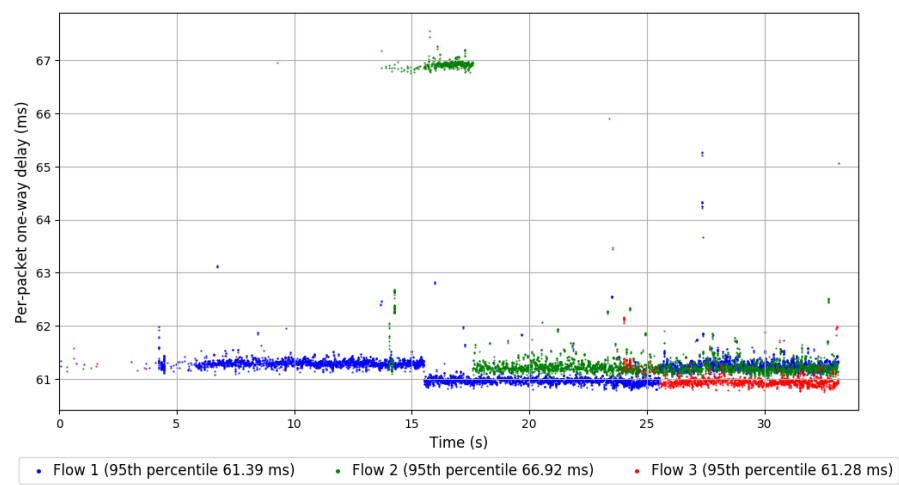
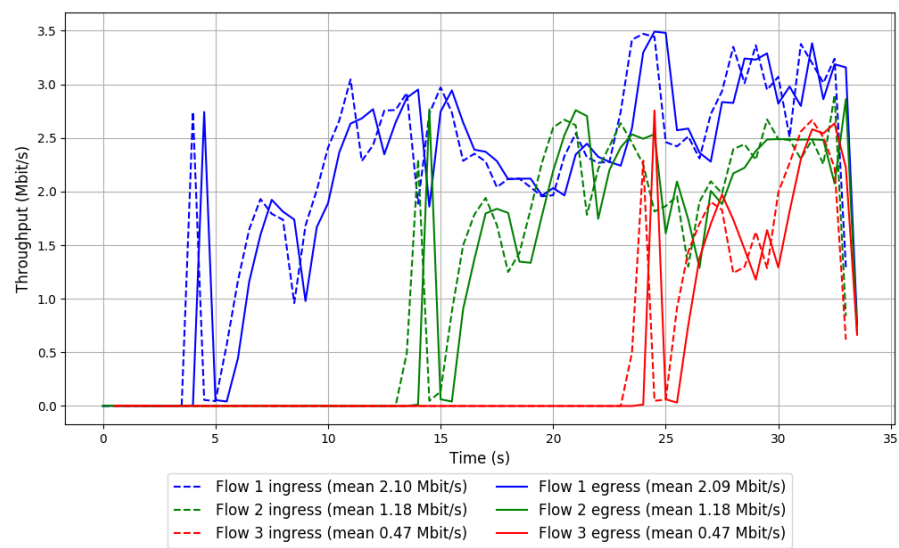


Run 3: Statistics of WebRTC media

Start at: 2018-08-02 21:17:37
End at: 2018-08-02 21:18:07
Local clock offset: -0.022 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-08-03 04:36:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.72 Mbit/s
95th percentile per-packet one-way delay: 61.566 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 61.391 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 66.921 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 61.277 ms
Loss rate: 0.70%

Run 3: Report of WebRTC media — Data Link

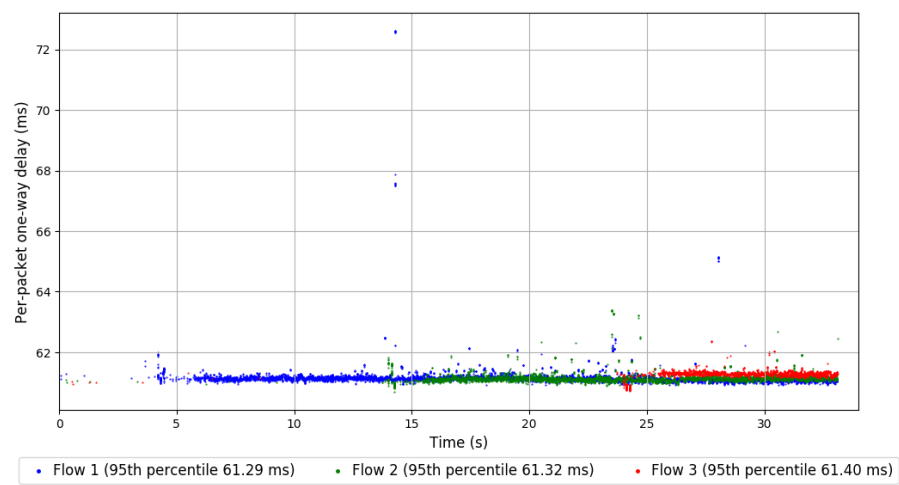
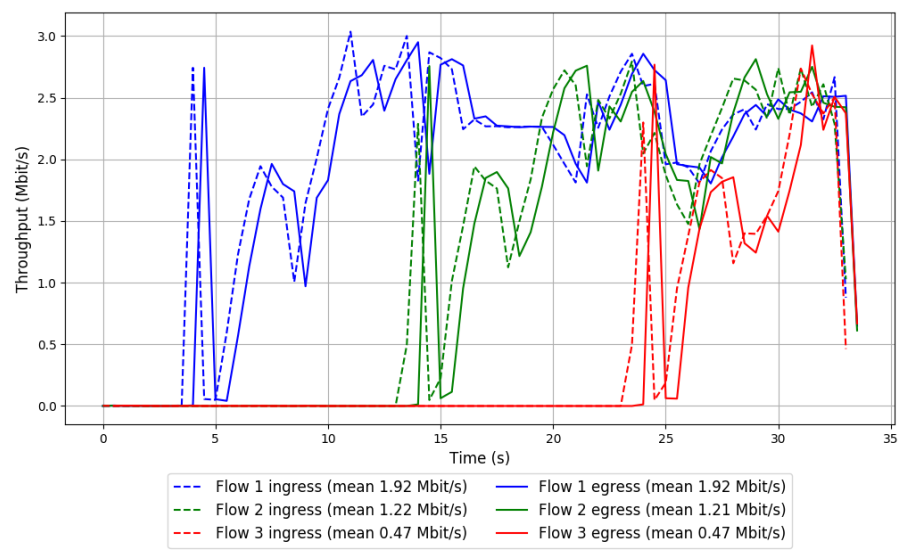


Run 4: Statistics of WebRTC media

Start at: 2018-08-02 21:44:18
End at: 2018-08-02 21:44:48
Local clock offset: -0.107 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-08-03 04:36:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 61.352 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 61.290 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 61.323 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 61.398 ms
Loss rate: 0.60%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-02 22:11:05

End at: 2018-08-02 22:11:35

Local clock offset: -0.088 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-08-03 04:36:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.60 Mbit/s

95th percentile per-packet one-way delay: 61.180 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 61.211 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 60.993 ms

Loss rate: 0.81%

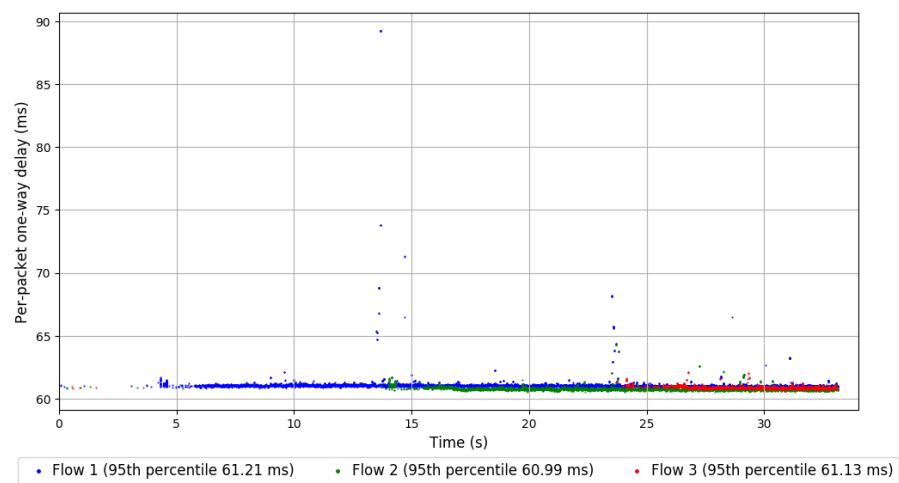
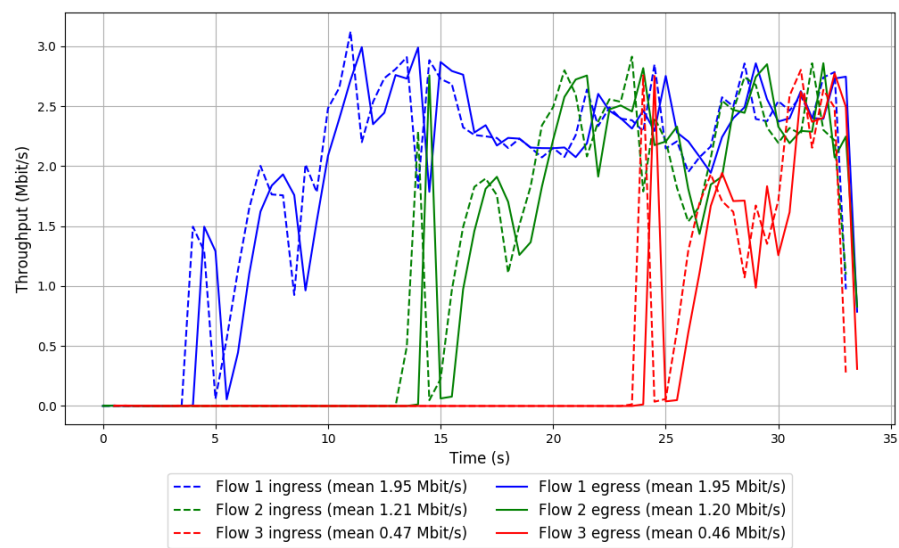
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 61.131 ms

Loss rate: 0.70%

Run 5: Report of WebRTC media — Data Link

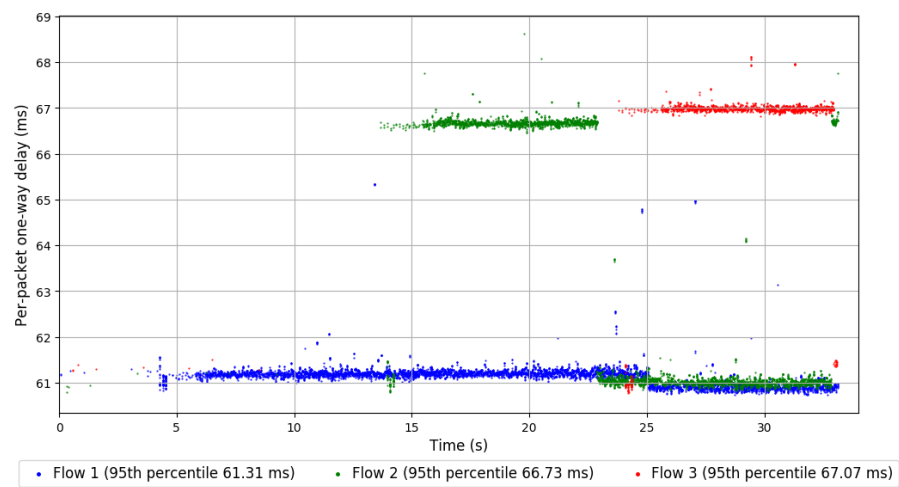
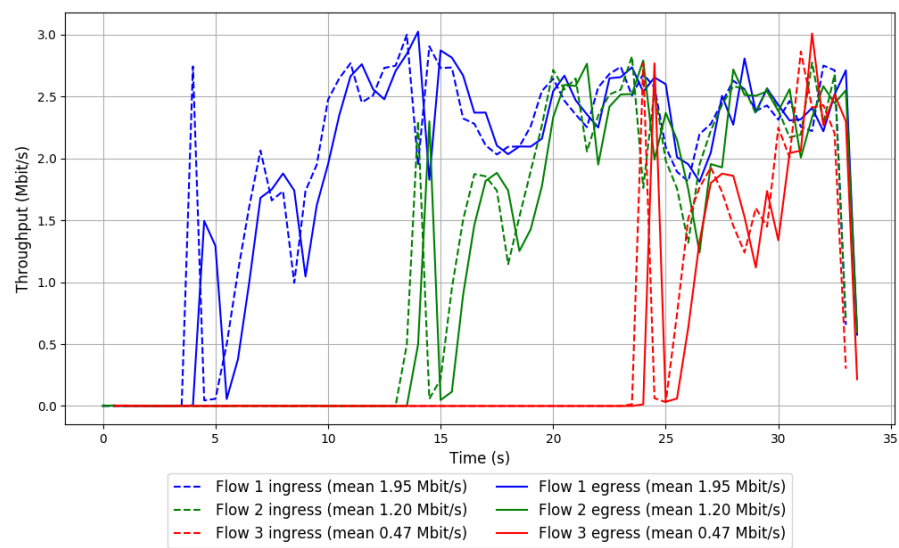


Run 6: Statistics of WebRTC media

Start at: 2018-08-02 22:36:39
End at: 2018-08-02 22:37:09
Local clock offset: -0.114 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-08-03 04:36:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 66.996 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 61.313 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 66.731 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 67.069 ms
Loss rate: 0.82%

Run 6: Report of WebRTC media — Data Link

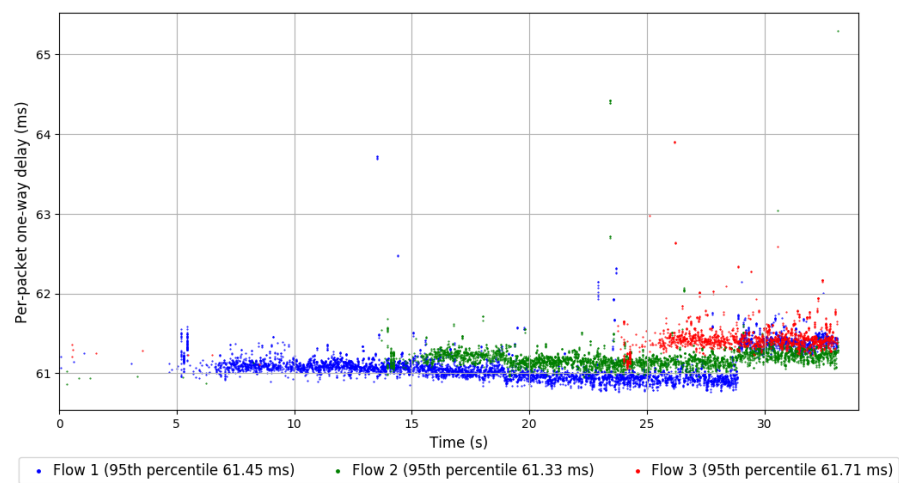
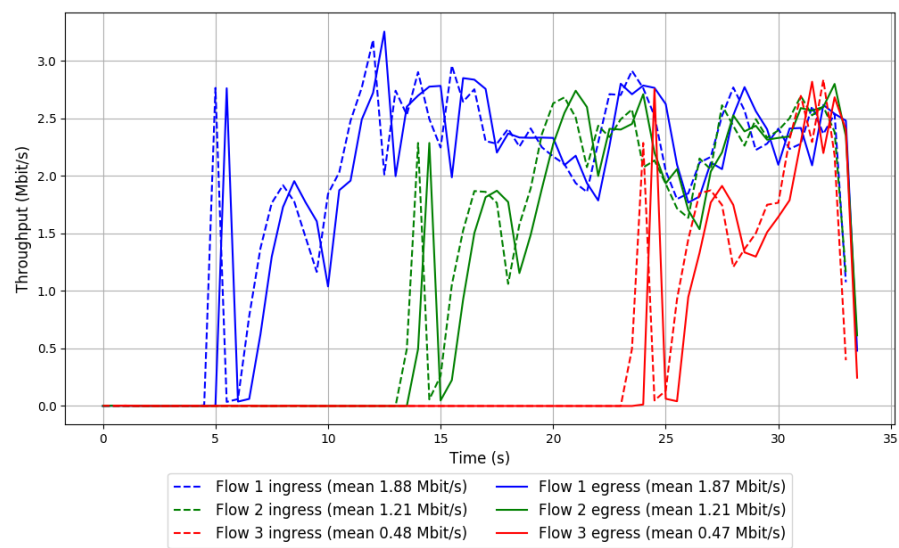


Run 7: Statistics of WebRTC media

Start at: 2018-08-02 23:02:45
End at: 2018-08-02 23:03:15
Local clock offset: -0.069 ms
Remote clock offset: -0.168 ms

Below is generated by plot.py at 2018-08-03 04:36:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.53 Mbit/s
95th percentile per-packet one-way delay: 61.488 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 61.445 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 61.329 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 61.708 ms
Loss rate: 1.03%

Run 7: Report of WebRTC media — Data Link

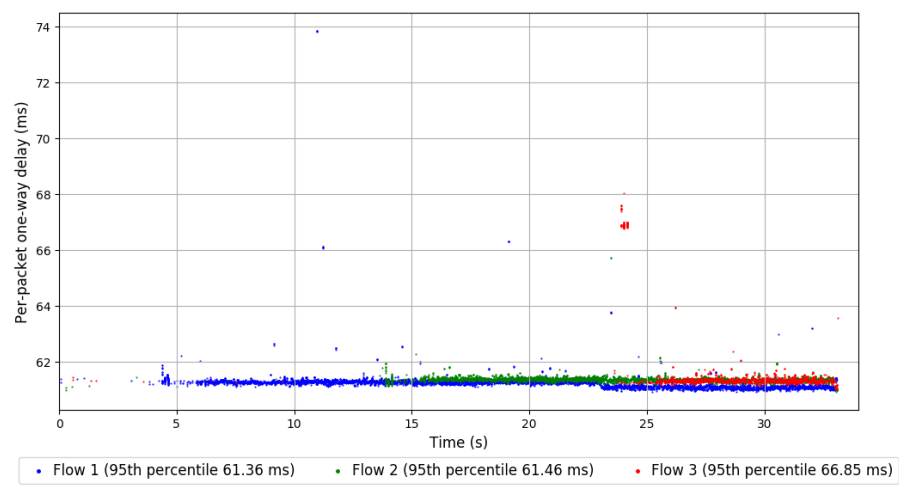
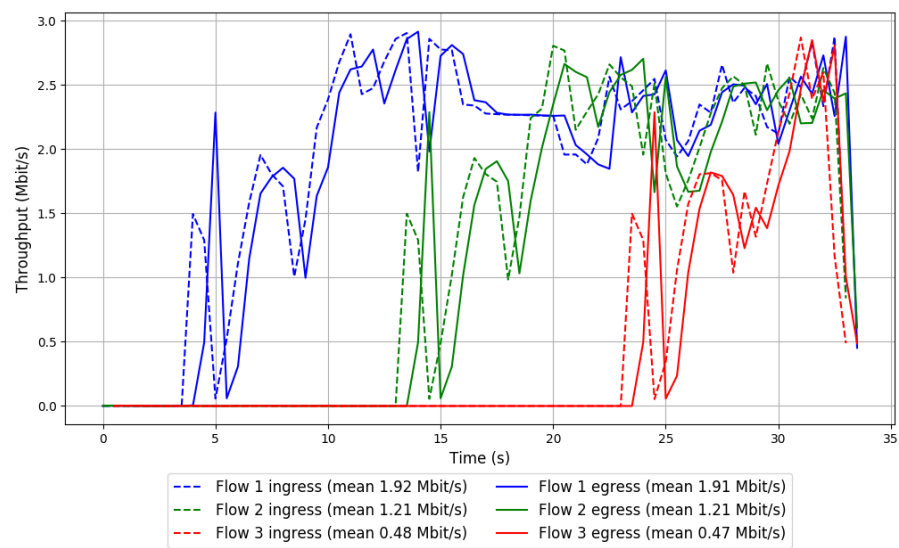


Run 8: Statistics of WebRTC media

Start at: 2018-08-02 23:29:09
End at: 2018-08-02 23:29:39
Local clock offset: -0.015 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-08-03 04:36:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 61.446 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 61.364 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 61.460 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 66.851 ms
Loss rate: 0.94%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-02 23:55:37

End at: 2018-08-02 23:56:07

Local clock offset: -0.021 ms

Remote clock offset: 0.228 ms

Below is generated by plot.py at 2018-08-03 04:36:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.56 Mbit/s

95th percentile per-packet one-way delay: 61.155 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 61.187 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 1.19 Mbit/s

95th percentile per-packet one-way delay: 61.037 ms

Loss rate: 0.75%

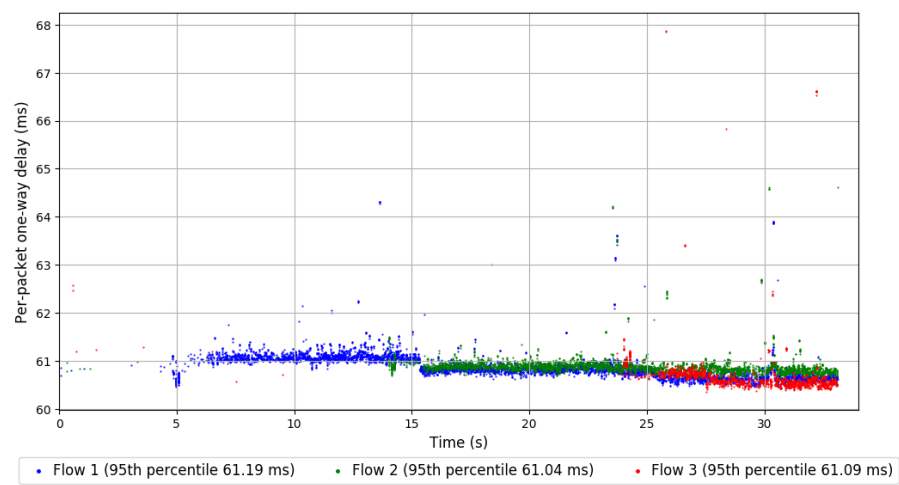
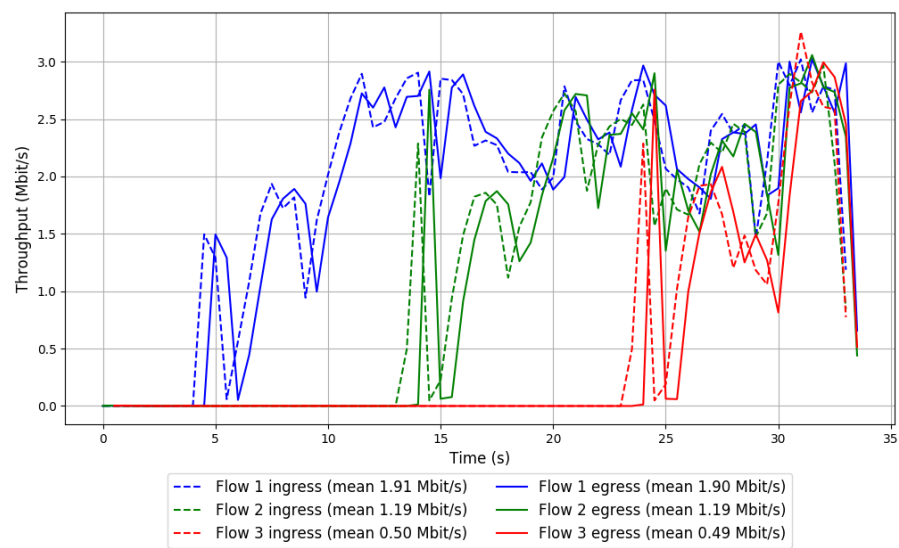
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 61.087 ms

Loss rate: 1.98%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-03 00:22:07
End at: 2018-08-03 00:22:37
Local clock offset: -0.03 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-08-03 04:36:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: 61.285 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 61.289 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 61.293 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 61.151 ms
Loss rate: 0.83%

Run 10: Report of WebRTC media — Data Link

