

Pantheon Report

Generated at 2018-07-11 22:02:43 (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.

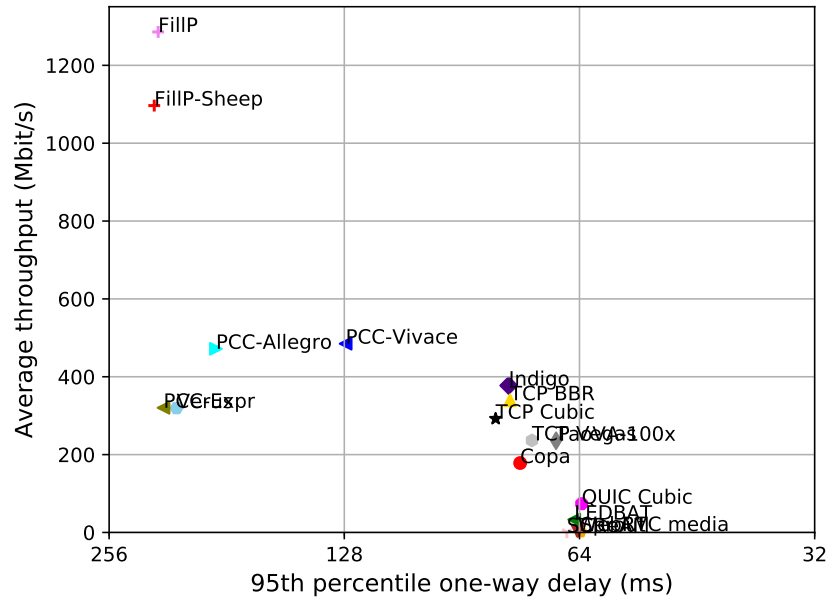
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

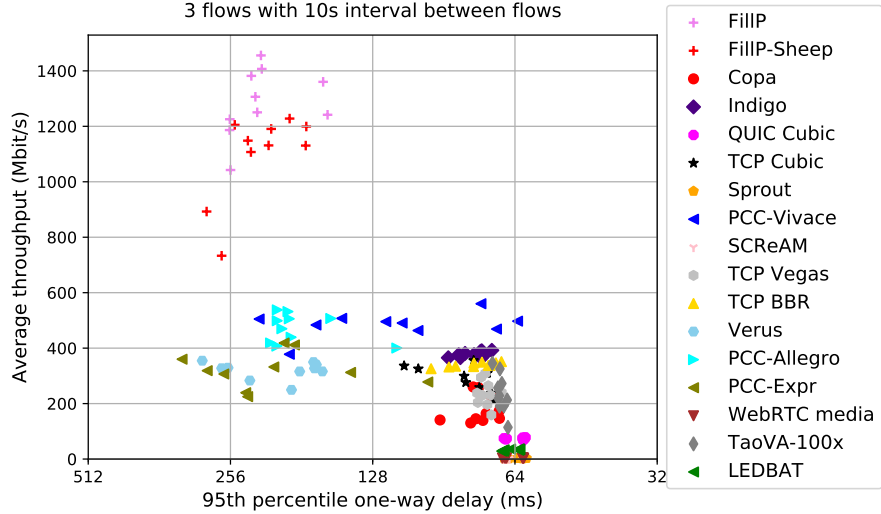
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE 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	173.03	171.51	159.79	77.09	78.48	81.09	0.42	0.61	1.47
Copa	10	110.63	77.24	60.11	74.60	75.68	74.73	0.25	0.53	1.43
TCP Cubic	10	169.93	152.45	63.76	80.67	82.56	80.34	0.48	0.74	3.76
FillP	10	687.97	624.28	557.31	218.58	227.83	190.74	4.45	5.46	6.50
FillP-Sheep	10	535.08	596.74	503.20	229.71	211.31	139.94	8.10	6.40	5.11
Indigo	10	204.34	196.28	130.16	77.41	79.33	81.54	0.42	0.62	1.57
LEDBAT	10	21.20	14.39	6.96	65.13	64.07	63.10	0.81	1.30	2.64
PCC-Allegro	10	415.11	71.67	27.86	188.04	168.87	163.68	1.99	2.20	4.15
PCC-Expr	10	215.60	127.65	60.88	216.71	155.99	147.34	5.90	4.14	7.65
QUIC Cubic	10	44.64	34.61	18.05	62.98	63.46	62.49	0.67	1.19	2.35
SCReAM	10	0.22	0.22	0.22	64.83	64.21	63.02	0.38	0.65	1.16
Sprout	10	1.00	1.14	1.47	64.11	64.81	64.27	0.30	0.18	0.57
TaoVA-100x	10	135.89	106.97	144.33	67.88	68.33	70.20	0.48	0.48	1.10
TCP Vegas	10	143.73	100.55	79.03	71.75	72.05	71.55	0.40	0.76	1.87
Verus	10	189.21	144.92	105.52	188.88	215.02	199.61	2.40	2.73	5.21
PCC-Vivace	10	283.37	240.86	127.76	117.94	142.31	80.30	0.70	1.31	2.38
WebRTC media	10	1.93	1.29	0.51	63.75	62.18	62.66	0.57	0.85	1.89

Run 1: Statistics of TCP BBR

Start at: 2018-07-11 14:45:08

End at: 2018-07-11 14:45:38

Local clock offset: 0.05 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-11 19:12:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 325.94 Mbit/s

95th percentile per-packet one-way delay: 96.319 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 170.32 Mbit/s

95th percentile per-packet one-way delay: 94.363 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 162.89 Mbit/s

95th percentile per-packet one-way delay: 95.825 ms

Loss rate: 0.68%

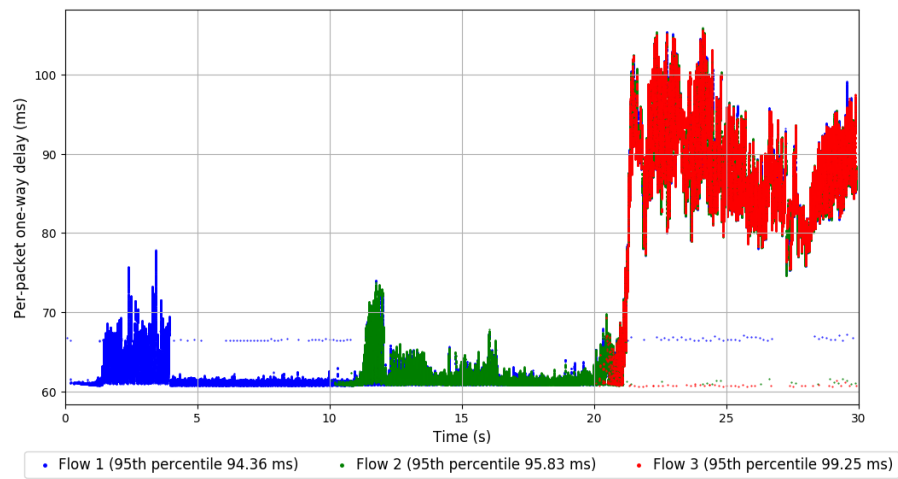
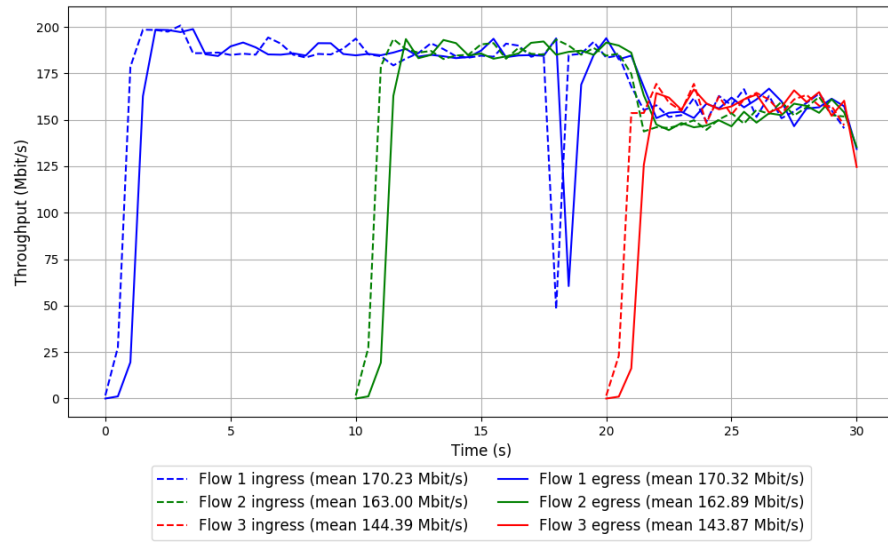
-- Flow 3:

Average throughput: 143.87 Mbit/s

95th percentile per-packet one-way delay: 99.248 ms

Loss rate: 1.70%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-11 15:10:01

End at: 2018-07-11 15:10:31

Local clock offset: 0.06 ms

Remote clock offset: 0.175 ms

Below is generated by plot.py at 2018-07-11 19:12:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 332.18 Mbit/s

95th percentile per-packet one-way delay: 88.281 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 170.85 Mbit/s

95th percentile per-packet one-way delay: 86.640 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 167.89 Mbit/s

95th percentile per-packet one-way delay: 88.353 ms

Loss rate: 0.73%

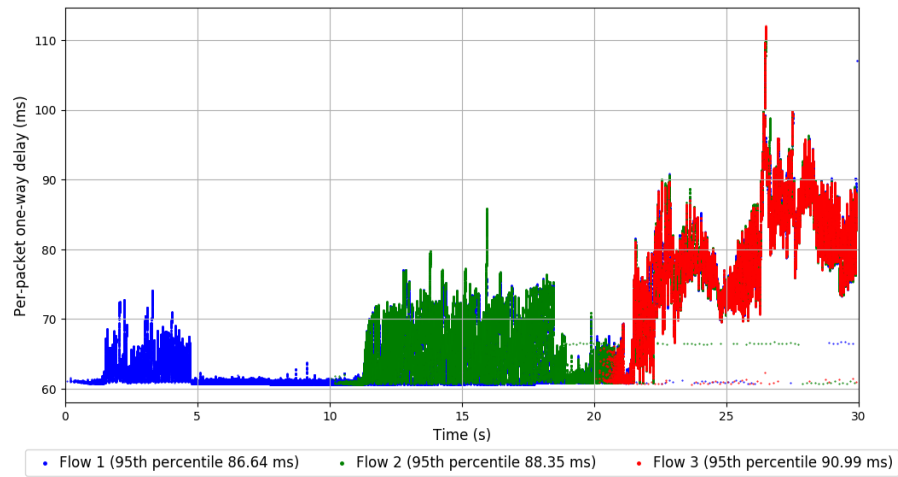
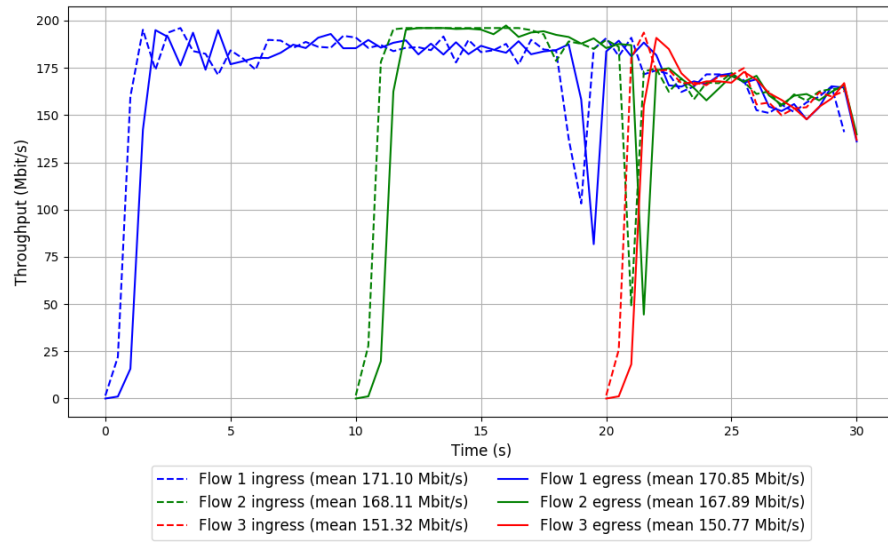
-- Flow 3:

Average throughput: 150.77 Mbit/s

95th percentile per-packet one-way delay: 90.990 ms

Loss rate: 1.61%

Run 2: Report of TCP BBR — Data Link

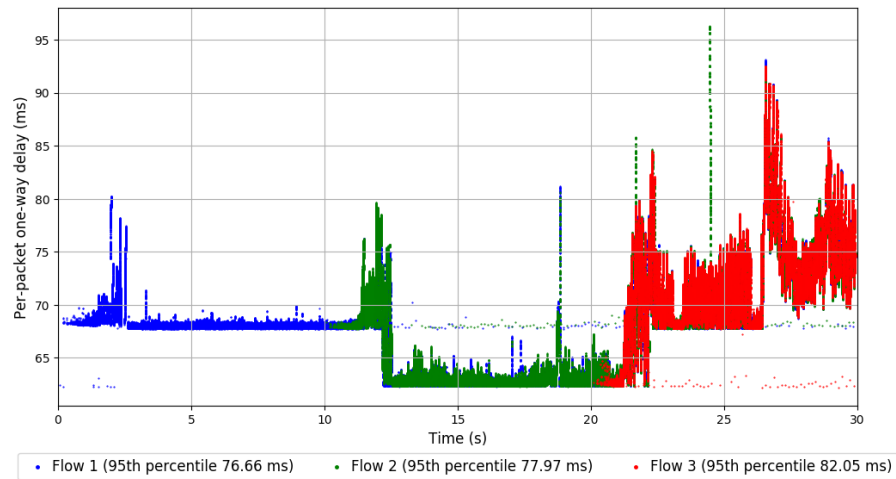
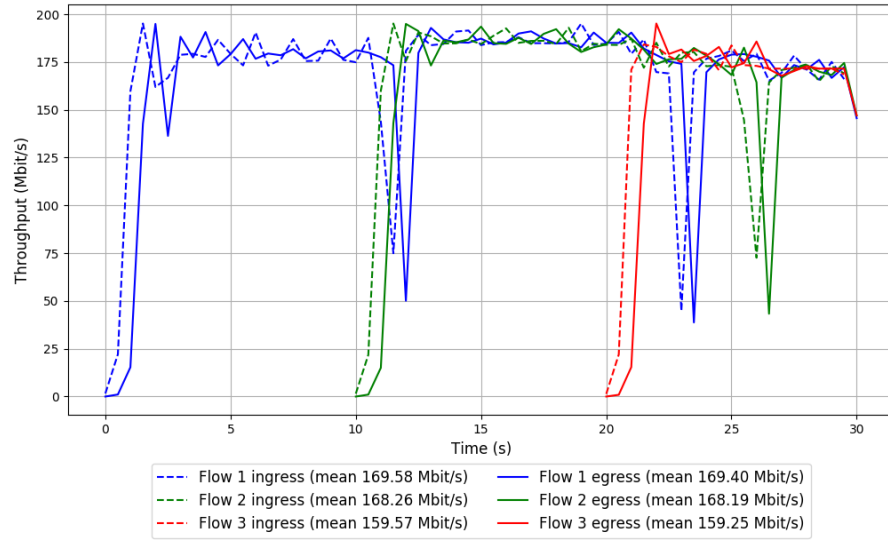


Run 3: Statistics of TCP BBR

Start at: 2018-07-11 15:35:17
End at: 2018-07-11 15:35:47
Local clock offset: 0.039 ms
Remote clock offset: -1.258 ms

Below is generated by plot.py at 2018-07-11 19:12:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 333.57 Mbit/s
95th percentile per-packet one-way delay: 78.311 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 169.40 Mbit/s
95th percentile per-packet one-way delay: 76.662 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 168.19 Mbit/s
95th percentile per-packet one-way delay: 77.968 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 159.25 Mbit/s
95th percentile per-packet one-way delay: 82.045 ms
Loss rate: 1.45%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-11 16:00:19

End at: 2018-07-11 16:00:49

Local clock offset: 0.021 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2018-07-11 19:12:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 337.60 Mbit/s

95th percentile per-packet one-way delay: 72.231 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 167.35 Mbit/s

95th percentile per-packet one-way delay: 71.926 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 177.53 Mbit/s

95th percentile per-packet one-way delay: 71.953 ms

Loss rate: 0.00%

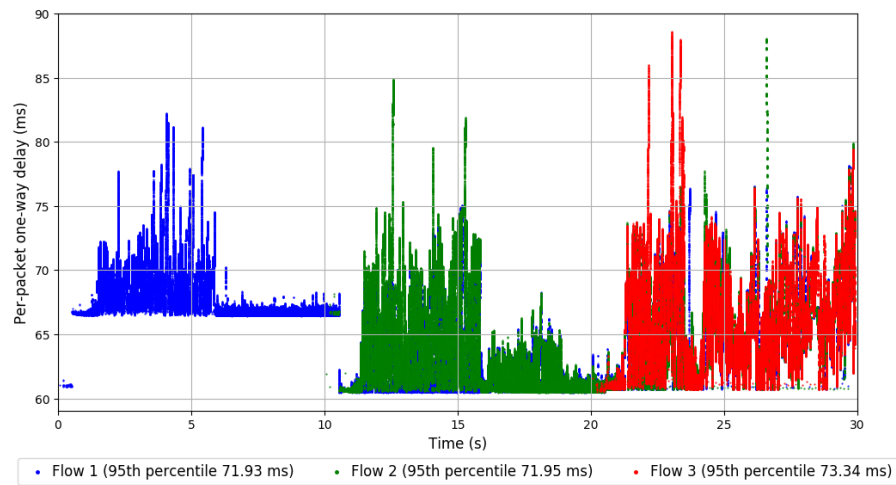
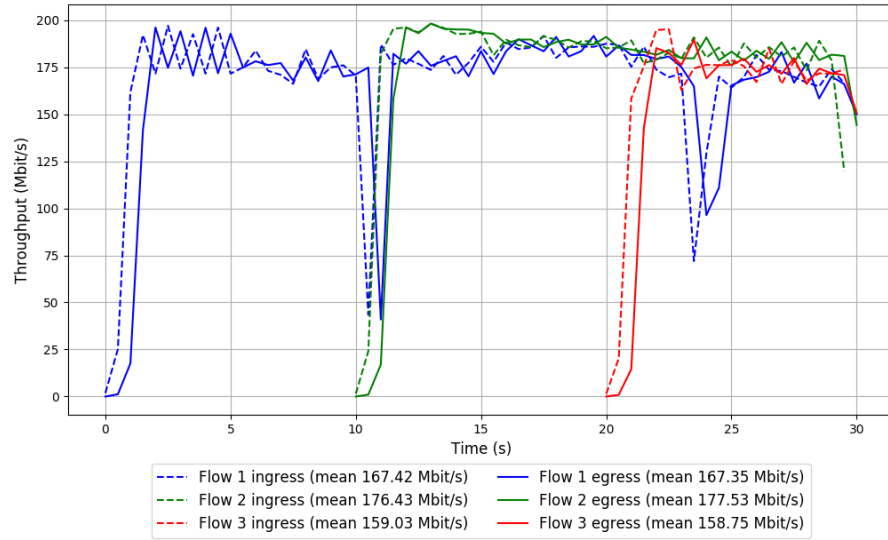
-- Flow 3:

Average throughput: 158.75 Mbit/s

95th percentile per-packet one-way delay: 73.341 ms

Loss rate: 1.41%

Run 4: Report of TCP BBR — Data Link

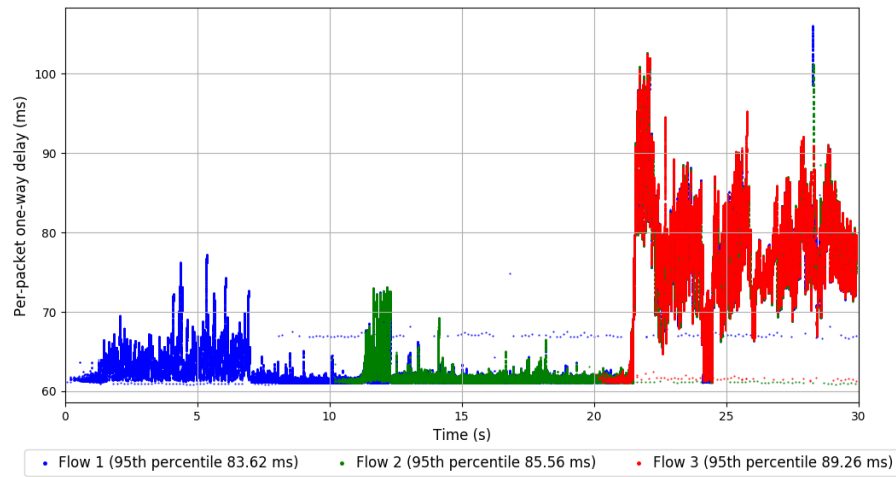
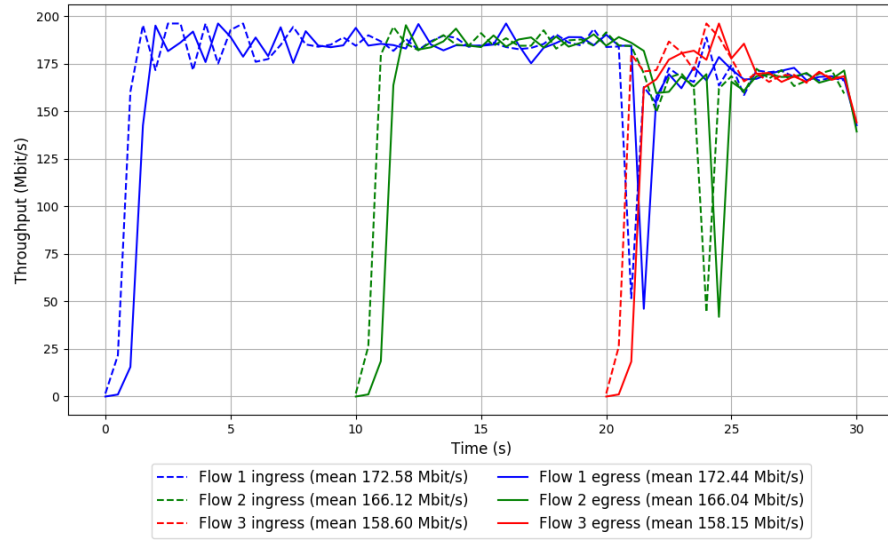


Run 5: Statistics of TCP BBR

Start at: 2018-07-11 16:25:31
End at: 2018-07-11 16:26:01
Local clock offset: 0.041 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-07-11 19:12:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 334.90 Mbit/s
95th percentile per-packet one-way delay: 85.484 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 172.44 Mbit/s
95th percentile per-packet one-way delay: 83.618 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 166.04 Mbit/s
95th percentile per-packet one-way delay: 85.558 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 158.15 Mbit/s
95th percentile per-packet one-way delay: 89.257 ms
Loss rate: 1.55%

Run 5: Report of TCP BBR — Data Link

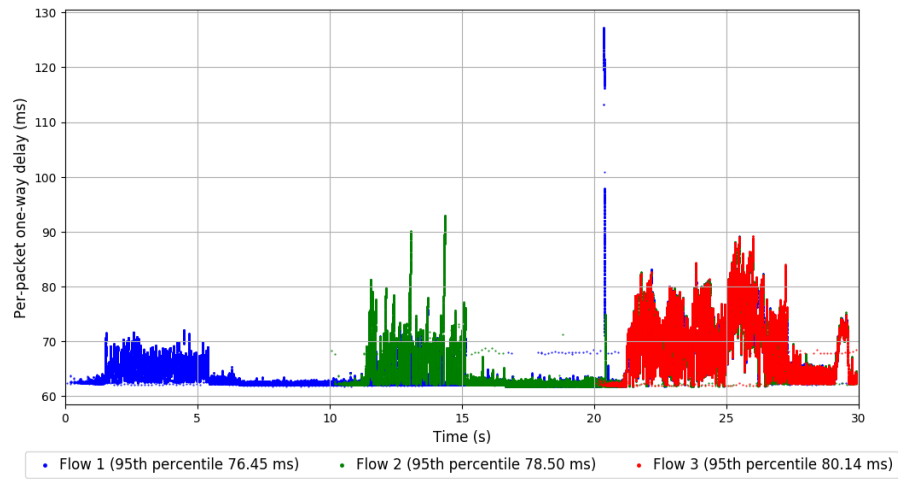
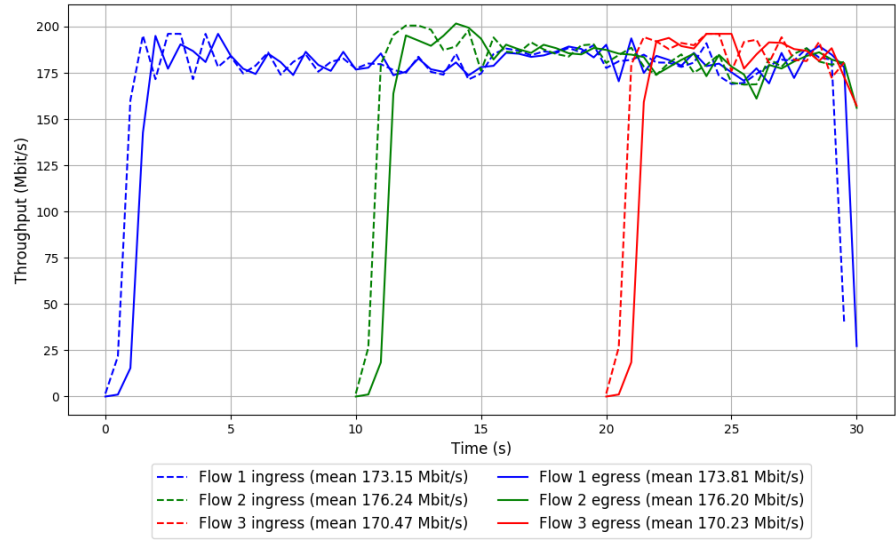


Run 6: Statistics of TCP BBR

Start at: 2018-07-11 16:50:42
End at: 2018-07-11 16:51:12
Local clock offset: -0.02 ms
Remote clock offset: -1.149 ms

Below is generated by plot.py at 2018-07-11 19:13:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 346.44 Mbit/s
95th percentile per-packet one-way delay: 78.164 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 173.81 Mbit/s
95th percentile per-packet one-way delay: 76.452 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 176.20 Mbit/s
95th percentile per-packet one-way delay: 78.501 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 170.23 Mbit/s
95th percentile per-packet one-way delay: 80.136 ms
Loss rate: 1.42%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-11 17:16:22

End at: 2018-07-11 17:16:52

Local clock offset: -0.006 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-07-11 19:13:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 349.51 Mbit/s

95th percentile per-packet one-way delay: 75.164 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 180.03 Mbit/s

95th percentile per-packet one-way delay: 72.792 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 172.35 Mbit/s

95th percentile per-packet one-way delay: 74.866 ms

Loss rate: 0.67%

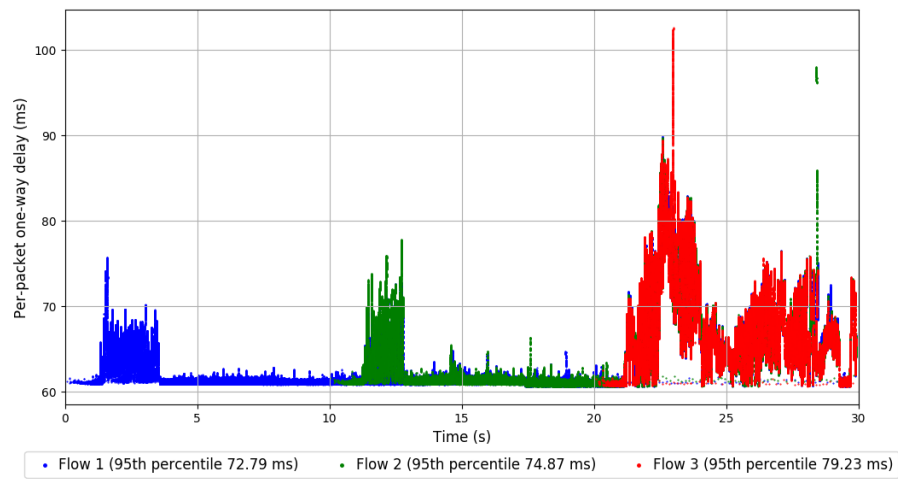
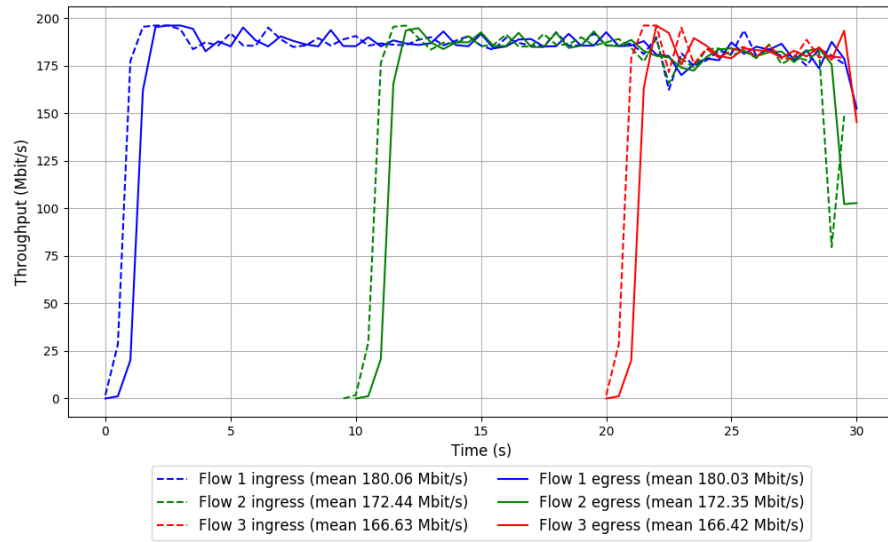
-- Flow 3:

Average throughput: 166.42 Mbit/s

95th percentile per-packet one-way delay: 79.232 ms

Loss rate: 1.47%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-11 17:41:38

End at: 2018-07-11 17:42:08

Local clock offset: -0.057 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-11 19:13:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 346.97 Mbit/s

95th percentile per-packet one-way delay: 70.229 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 174.69 Mbit/s

95th percentile per-packet one-way delay: 69.393 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 179.34 Mbit/s

95th percentile per-packet one-way delay: 70.653 ms

Loss rate: 0.67%

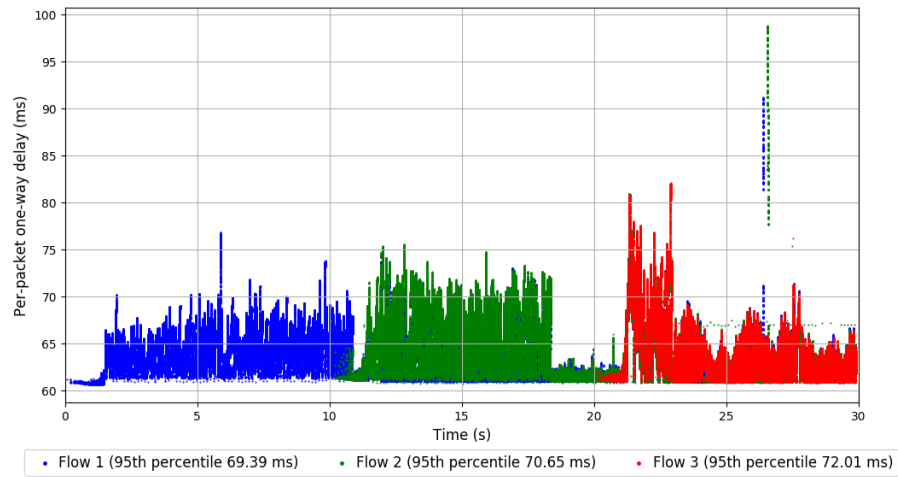
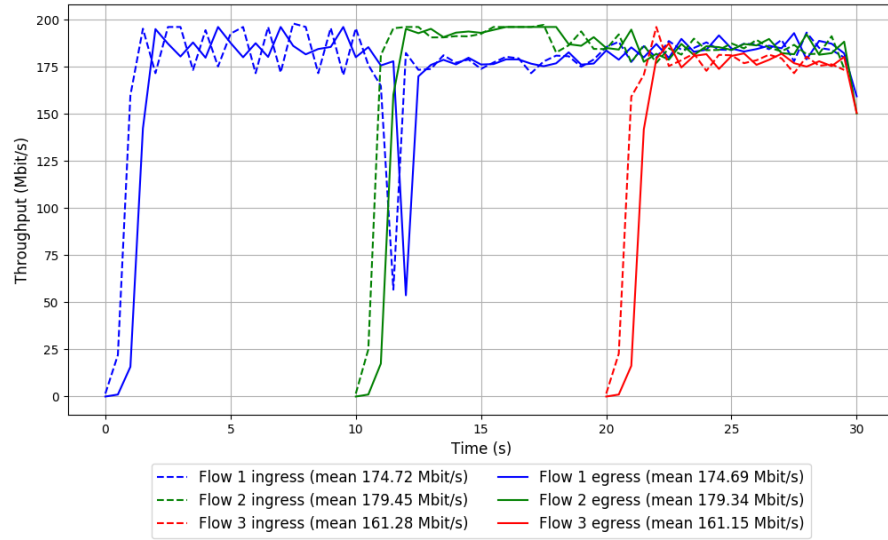
-- Flow 3:

Average throughput: 161.15 Mbit/s

95th percentile per-packet one-way delay: 72.006 ms

Loss rate: 1.32%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-11 18:06:30

End at: 2018-07-11 18:07:00

Local clock offset: 0.012 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at 2018-07-11 19:18:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 337.75 Mbit/s

95th percentile per-packet one-way delay: 72.865 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 172.33 Mbit/s

95th percentile per-packet one-way delay: 71.167 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 169.42 Mbit/s

95th percentile per-packet one-way delay: 72.031 ms

Loss rate: 0.67%

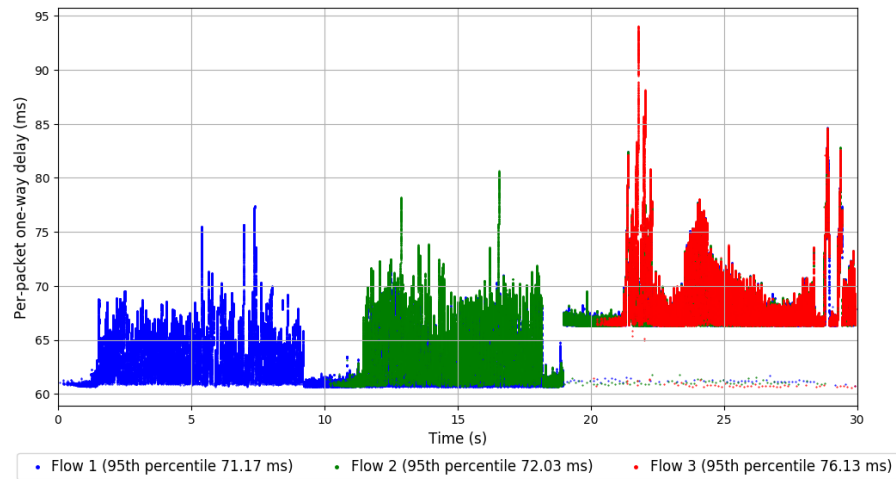
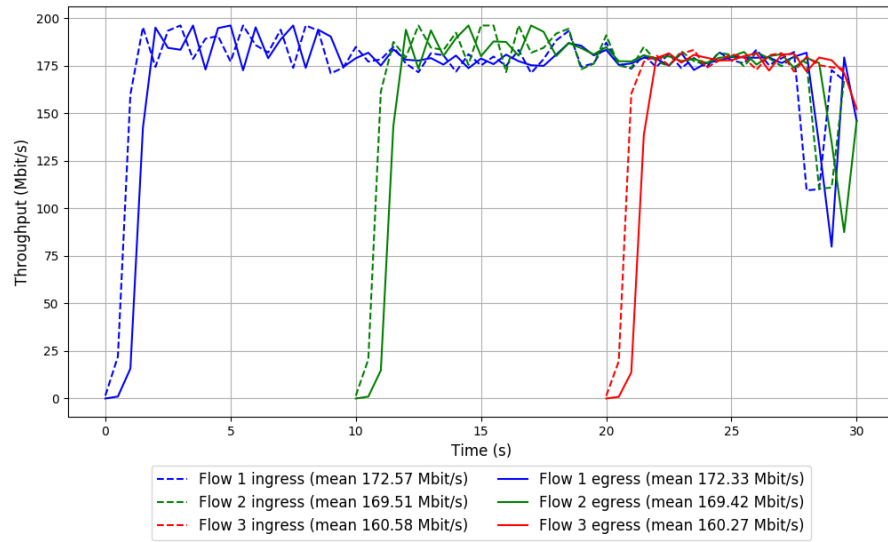
-- Flow 3:

Average throughput: 160.27 Mbit/s

95th percentile per-packet one-way delay: 76.132 ms

Loss rate: 1.43%

Run 9: Report of TCP BBR — Data Link

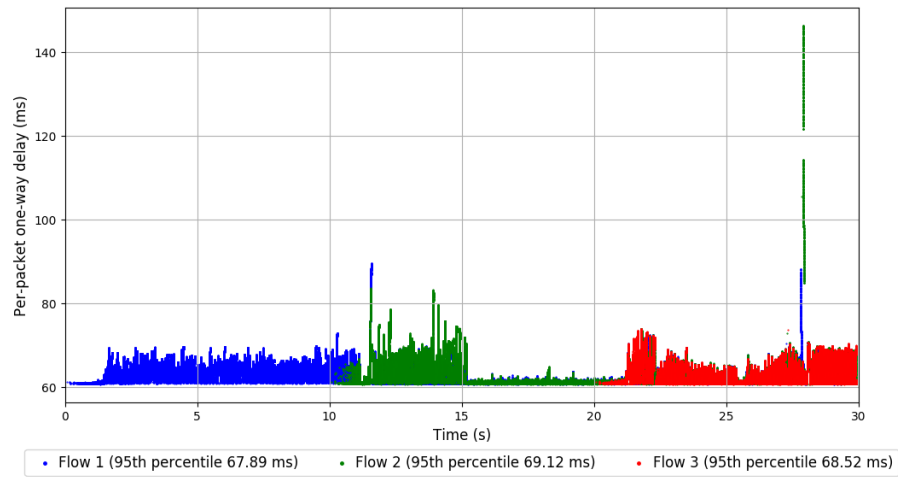
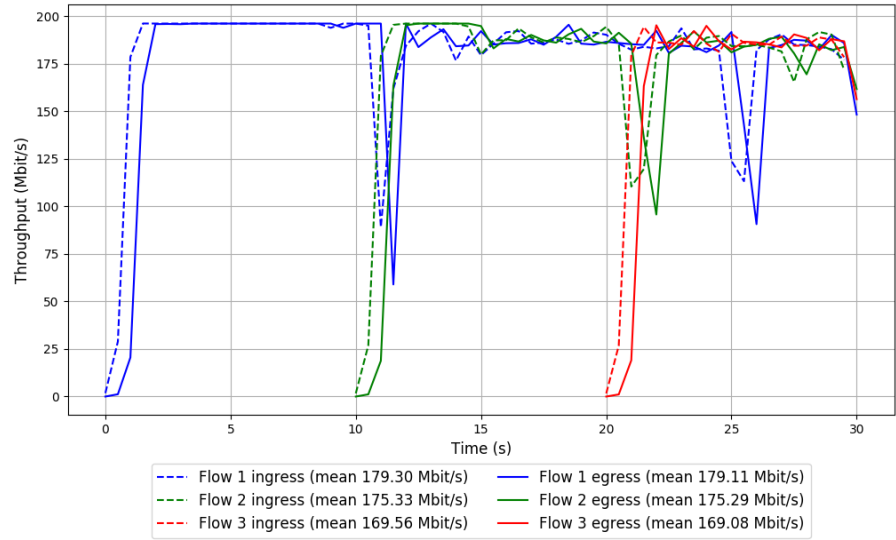


Run 10: Statistics of TCP BBR

Start at: 2018-07-11 18:31:47
End at: 2018-07-11 18:32:17
Local clock offset: -0.048 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-11 19:19:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 351.40 Mbit/s
95th percentile per-packet one-way delay: 68.357 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 179.11 Mbit/s
95th percentile per-packet one-way delay: 67.888 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 175.29 Mbit/s
95th percentile per-packet one-way delay: 69.121 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 169.08 Mbit/s
95th percentile per-packet one-way delay: 68.522 ms
Loss rate: 1.38%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-11 14:57:56

End at: 2018-07-11 14:58:26

Local clock offset: 0.073 ms

Remote clock offset: -0.3 ms

Below is generated by plot.py at 2018-07-11 19:19:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 140.95 Mbit/s

95th percentile per-packet one-way delay: 92.195 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 84.92 Mbit/s

95th percentile per-packet one-way delay: 93.448 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 62.73 Mbit/s

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

Loss rate: 0.46%

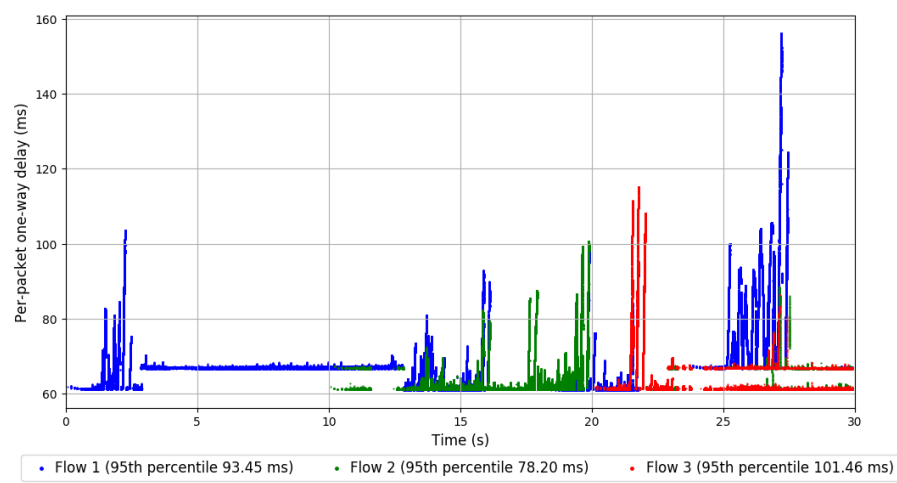
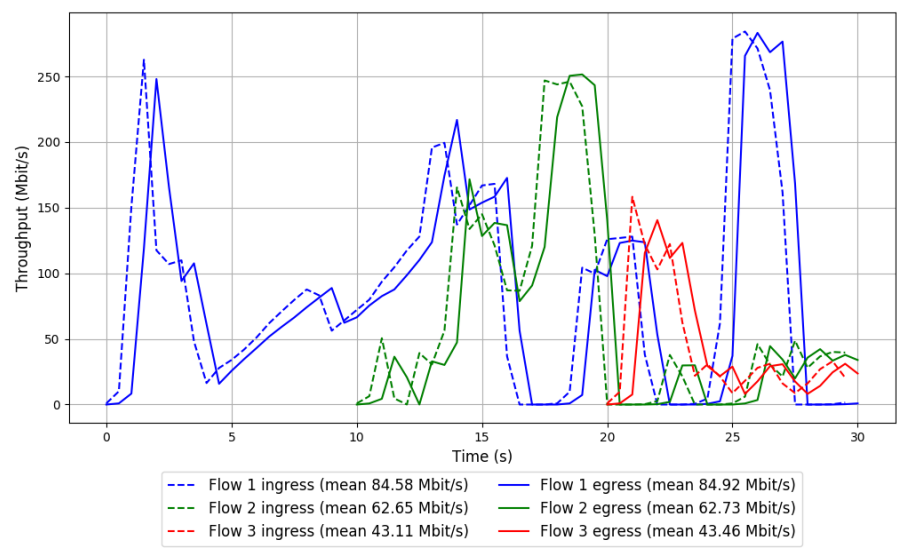
-- Flow 3:

Average throughput: 43.46 Mbit/s

95th percentile per-packet one-way delay: 101.459 ms

Loss rate: 0.42%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-11 15:22:53

End at: 2018-07-11 15:23:23

Local clock offset: 0.053 ms

Remote clock offset: 1.318 ms

Below is generated by plot.py at 2018-07-11 19:19:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 130.08 Mbit/s

95th percentile per-packet one-way delay: 79.396 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 29.75 Mbit/s

95th percentile per-packet one-way delay: 65.504 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 115.00 Mbit/s

95th percentile per-packet one-way delay: 81.215 ms

Loss rate: 0.05%

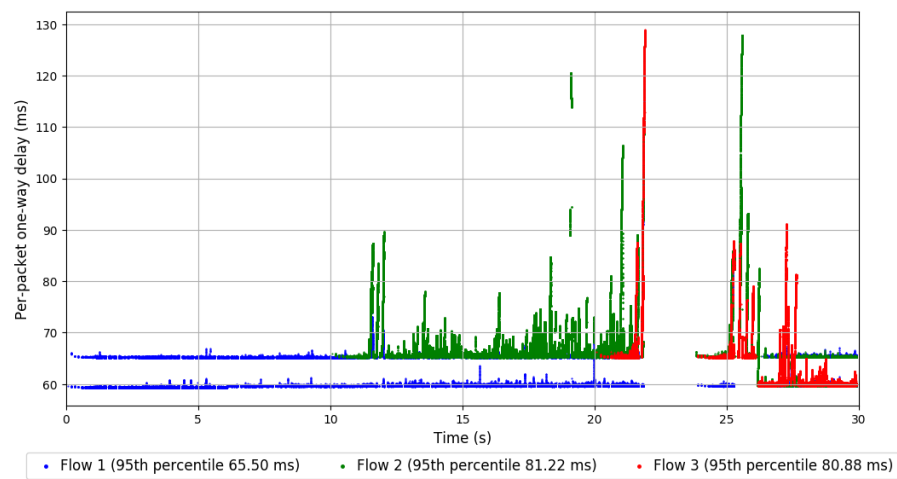
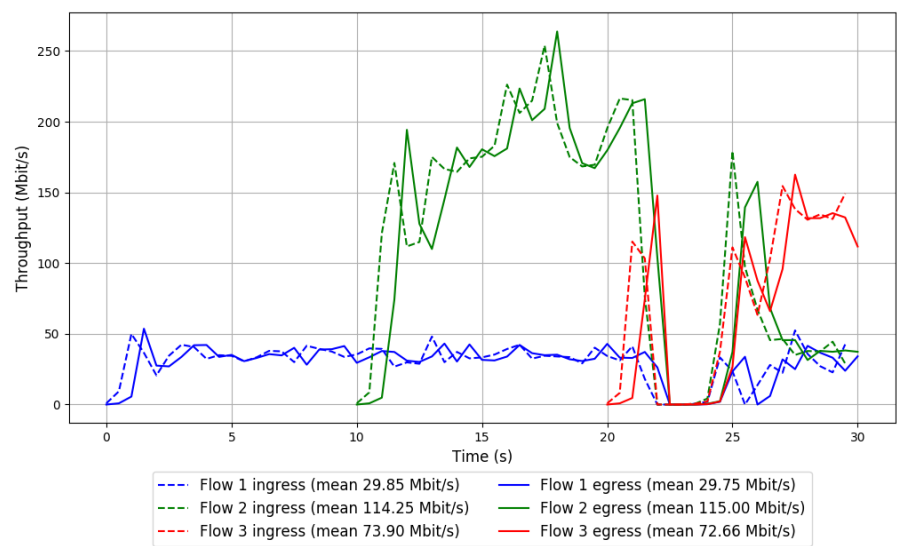
-- Flow 3:

Average throughput: 72.66 Mbit/s

95th percentile per-packet one-way delay: 80.875 ms

Loss rate: 2.95%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-11 15:48:02

End at: 2018-07-11 15:48:32

Local clock offset: -0.002 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2018-07-11 19:19:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 139.37 Mbit/s

95th percentile per-packet one-way delay: 74.819 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 103.38 Mbit/s

95th percentile per-packet one-way delay: 78.232 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 39.37 Mbit/s

95th percentile per-packet one-way delay: 72.878 ms

Loss rate: 2.22%

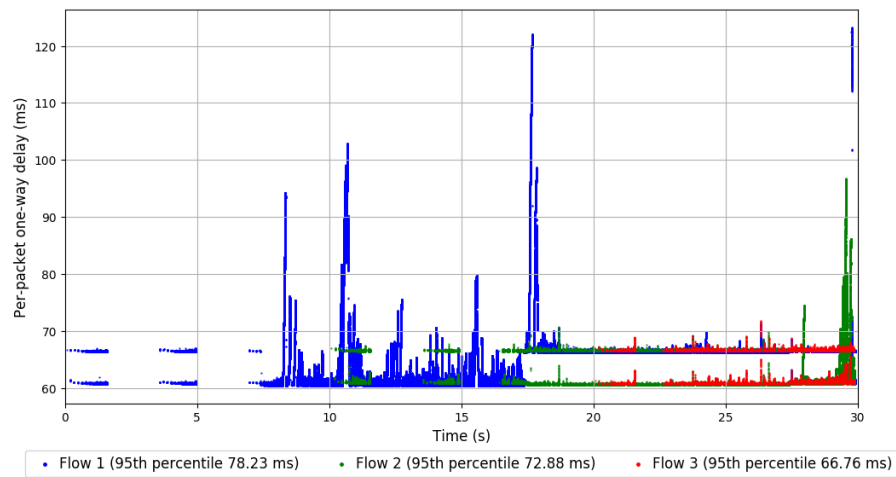
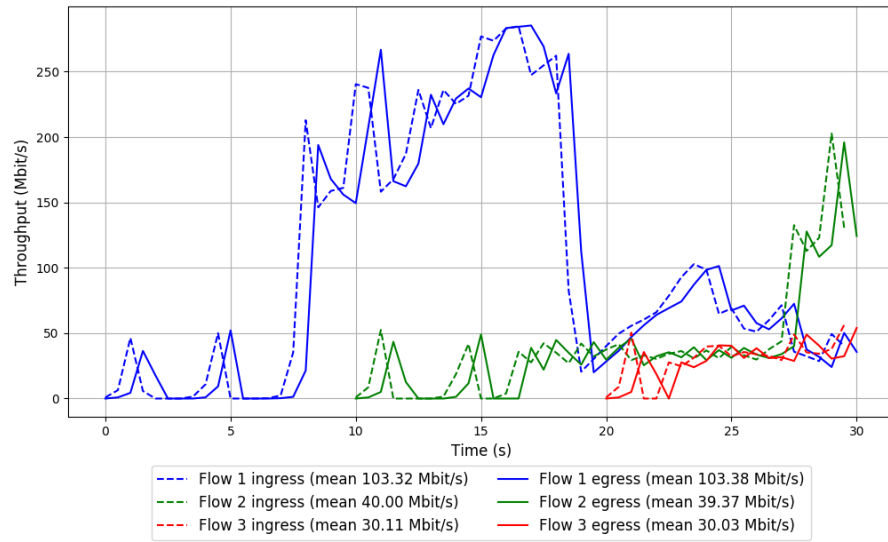
-- Flow 3:

Average throughput: 30.03 Mbit/s

95th percentile per-packet one-way delay: 66.757 ms

Loss rate: 1.93%

Run 3: Report of Copa — Data Link

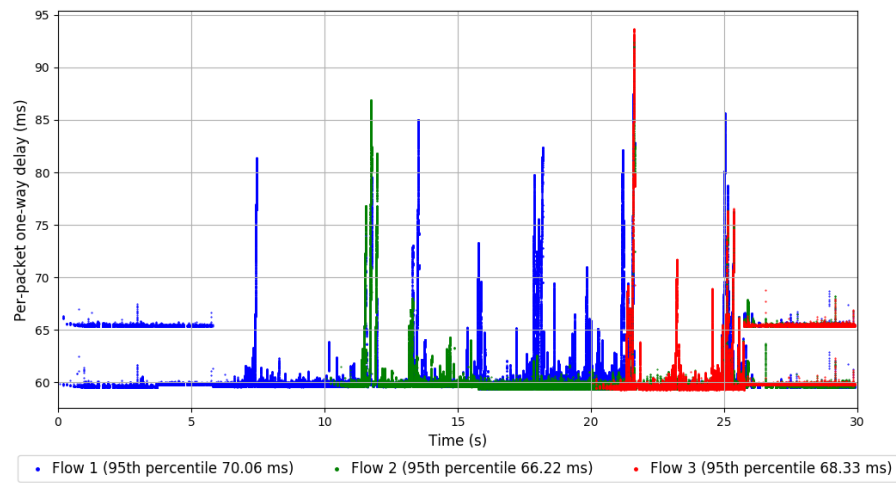
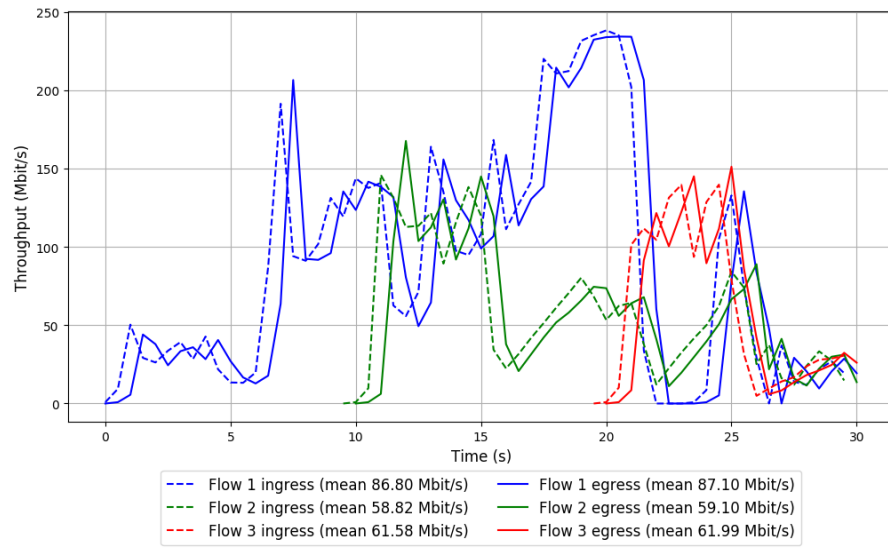


Run 4: Statistics of Copa

Start at: 2018-07-11 16:13:03
End at: 2018-07-11 16:13:33
Local clock offset: -0.025 ms
Remote clock offset: 1.289 ms

```
# Below is generated by plot.py at 2018-07-11 19:19:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 146.79 Mbit/s
95th percentile per-packet one-way delay: 69.024 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 87.10 Mbit/s
95th percentile per-packet one-way delay: 70.063 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 59.10 Mbit/s
95th percentile per-packet one-way delay: 66.219 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 61.99 Mbit/s
95th percentile per-packet one-way delay: 68.329 ms
Loss rate: 0.62%
```

Run 4: Report of Copa — Data Link

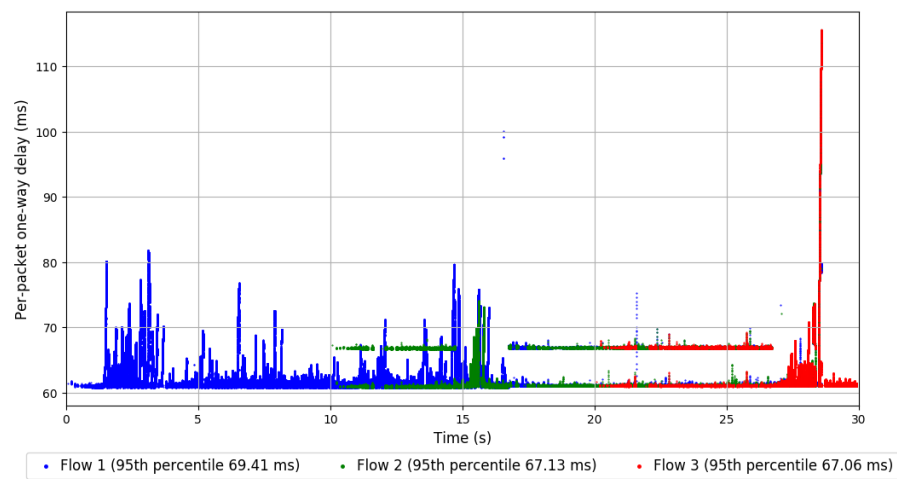
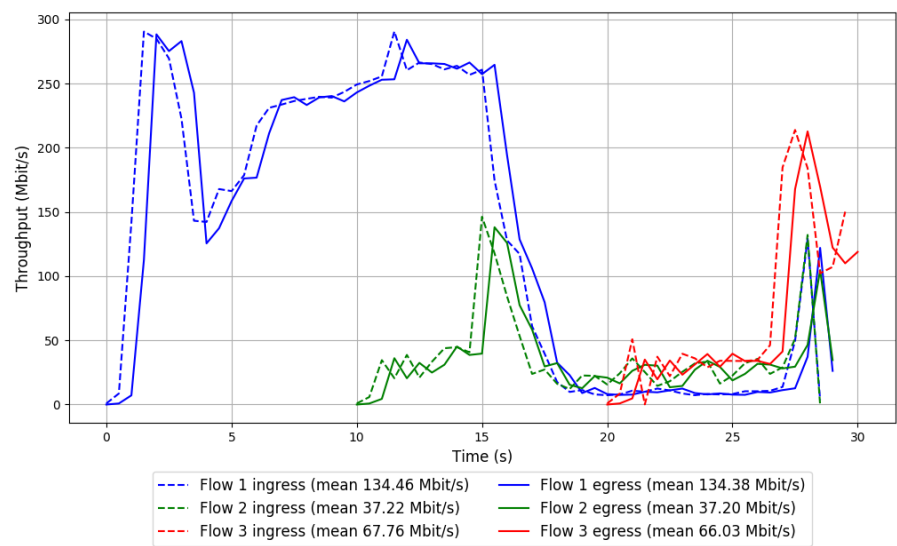


Run 5: Statistics of Copa

Start at: 2018-07-11 16:38:12
End at: 2018-07-11 16:38:42
Local clock offset: 0.03 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-11 19:19:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 173.28 Mbit/s
95th percentile per-packet one-way delay: 69.120 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 134.38 Mbit/s
95th percentile per-packet one-way delay: 69.407 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.20 Mbit/s
95th percentile per-packet one-way delay: 67.128 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 66.03 Mbit/s
95th percentile per-packet one-way delay: 67.065 ms
Loss rate: 3.70%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-11 17:03:39

End at: 2018-07-11 17:04:09

Local clock offset: 0.021 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-11 19:20:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 225.87 Mbit/s

95th percentile per-packet one-way delay: 71.759 ms

Loss rate: 1.04%

-- Flow 1:

Average throughput: 147.07 Mbit/s

95th percentile per-packet one-way delay: 70.380 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 80.77 Mbit/s

95th percentile per-packet one-way delay: 78.791 ms

Loss rate: 1.74%

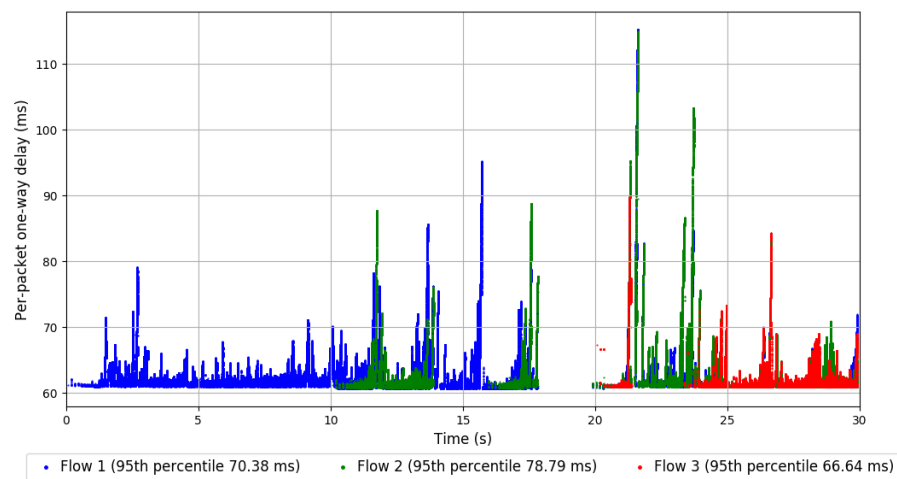
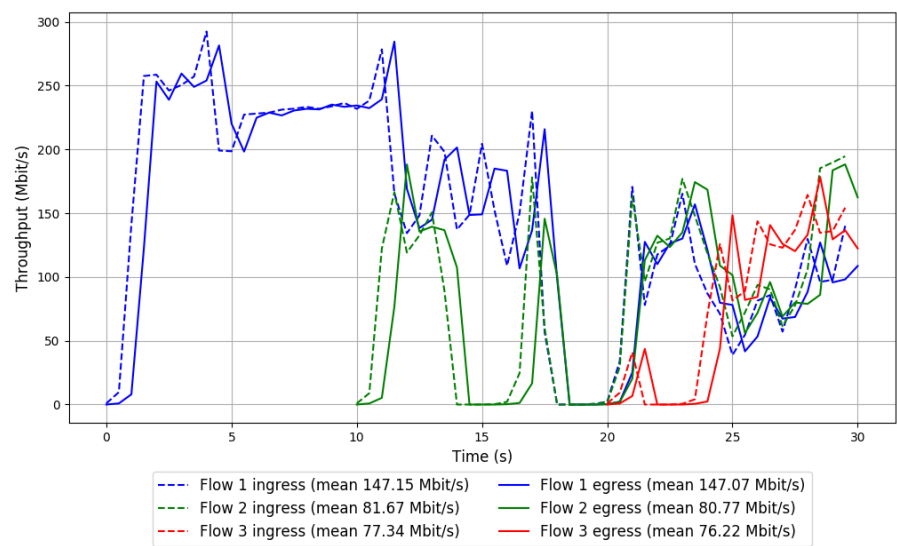
-- Flow 3:

Average throughput: 76.22 Mbit/s

95th percentile per-packet one-way delay: 66.638 ms

Loss rate: 2.72%

Run 6: Report of Copa — Data Link

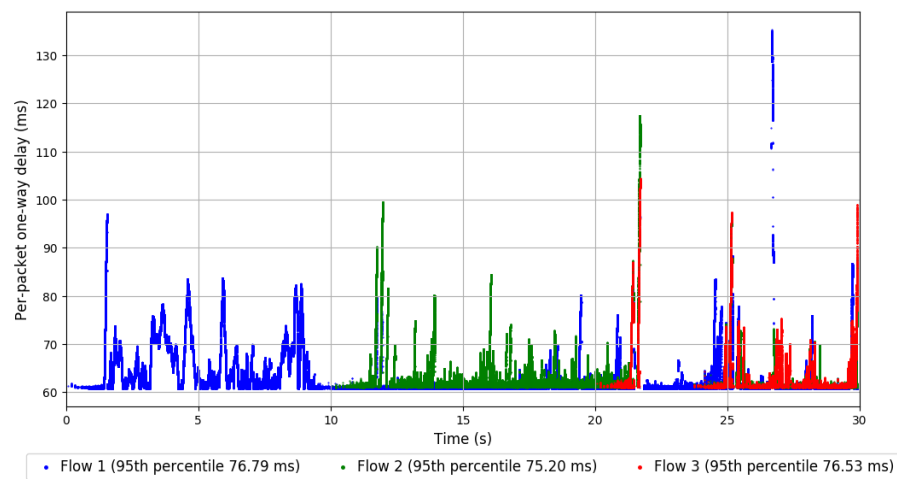
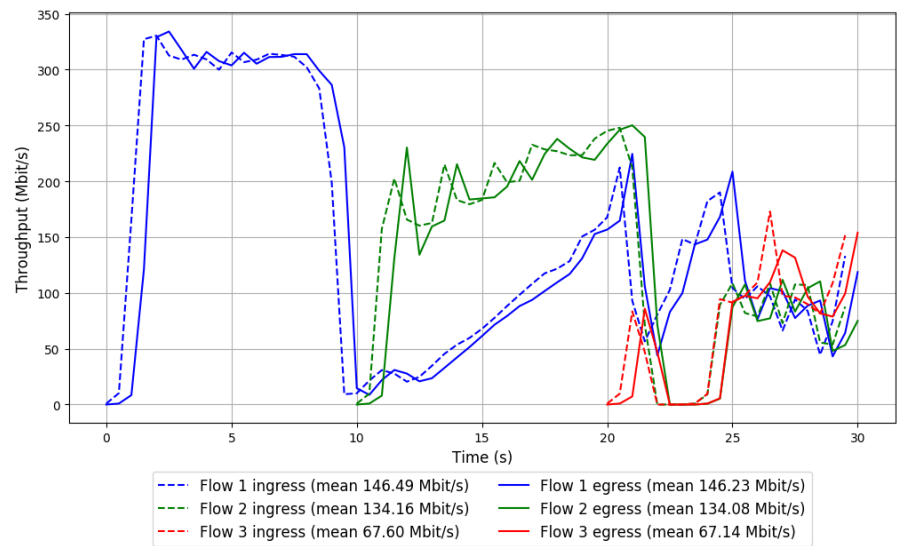


Run 7: Statistics of Copa

Start at: 2018-07-11 17:29:19
End at: 2018-07-11 17:29:49
Local clock offset: -0.004 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-07-11 19:26:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 257.53 Mbit/s
95th percentile per-packet one-way delay: 76.450 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 146.23 Mbit/s
95th percentile per-packet one-way delay: 76.794 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 134.08 Mbit/s
95th percentile per-packet one-way delay: 75.197 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 67.14 Mbit/s
95th percentile per-packet one-way delay: 76.535 ms
Loss rate: 1.54%

Run 7: Report of Copa — Data Link

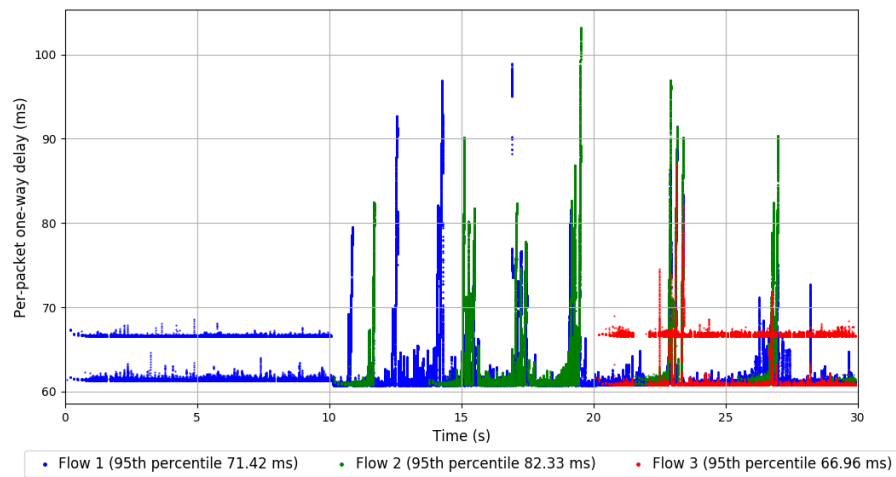
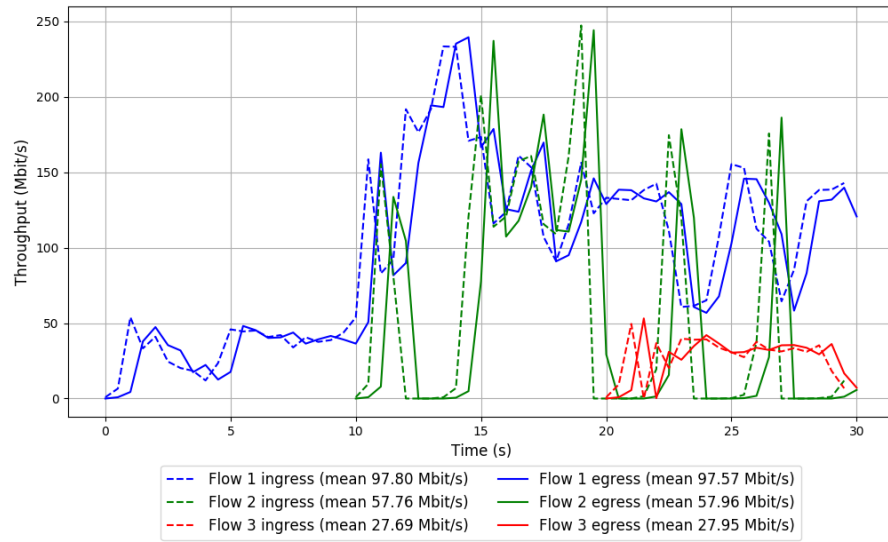


Run 8: Statistics of Copa

Start at: 2018-07-11 17:54:29
End at: 2018-07-11 17:54:59
Local clock offset: -0.0 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-11 19:26:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 145.30 Mbit/s
95th percentile per-packet one-way delay: 77.443 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 97.57 Mbit/s
95th percentile per-packet one-way delay: 71.419 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 57.96 Mbit/s
95th percentile per-packet one-way delay: 82.327 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 27.95 Mbit/s
95th percentile per-packet one-way delay: 66.959 ms
Loss rate: 0.38%

Run 8: Report of Copa — Data Link

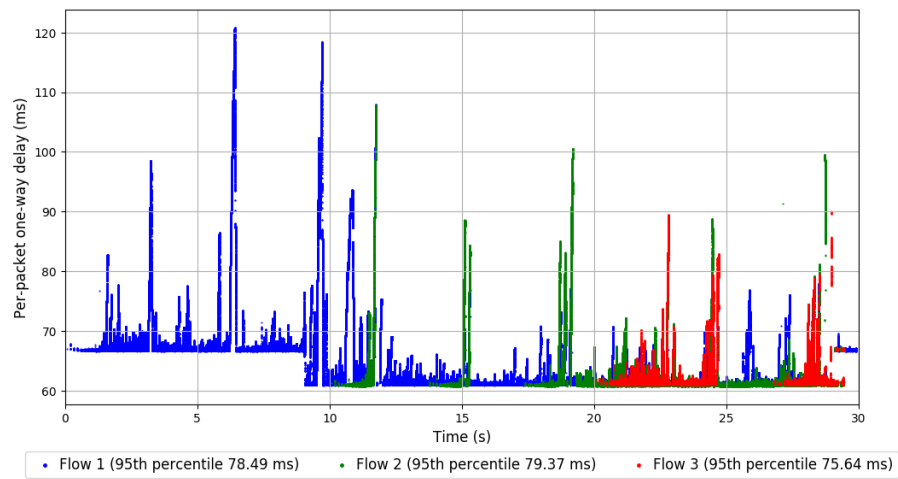
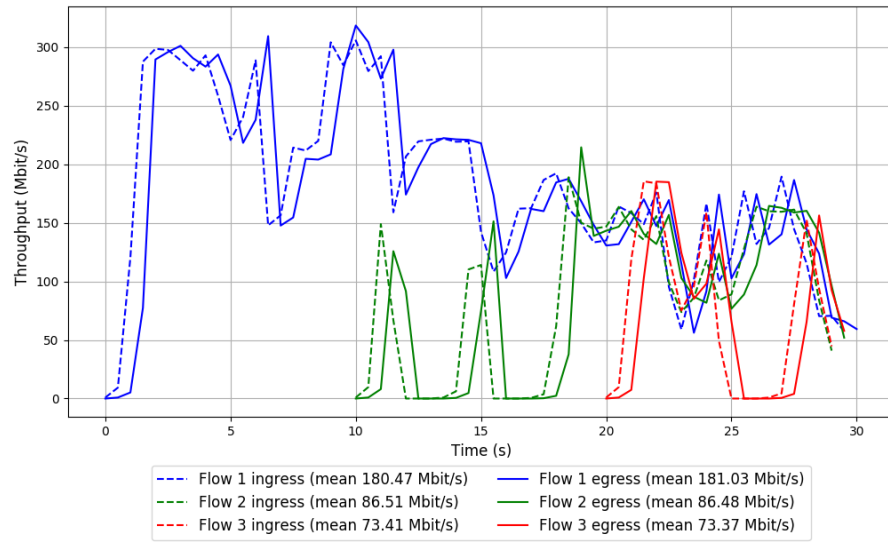


Run 9: Statistics of Copa

Start at: 2018-07-11 18:19:20
End at: 2018-07-11 18:19:50
Local clock offset: -0.008 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-11 19:27:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 260.04 Mbit/s
95th percentile per-packet one-way delay: 78.455 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 181.03 Mbit/s
95th percentile per-packet one-way delay: 78.488 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 86.48 Mbit/s
95th percentile per-packet one-way delay: 79.370 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 73.37 Mbit/s
95th percentile per-packet one-way delay: 75.644 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-11 18:44:21

End at: 2018-07-11 18:44:51

Local clock offset: -0.033 ms

Remote clock offset: 1.148 ms

Below is generated by plot.py at 2018-07-11 19:27:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 164.33 Mbit/s

95th percentile per-packet one-way delay: 73.651 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 94.91 Mbit/s

95th percentile per-packet one-way delay: 72.232 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 99.72 Mbit/s

95th percentile per-packet one-way delay: 75.499 ms

Loss rate: 0.00%

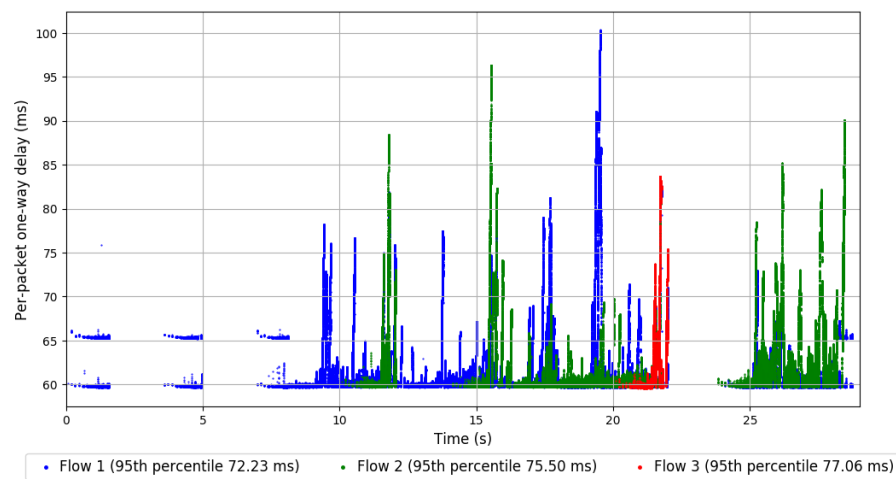
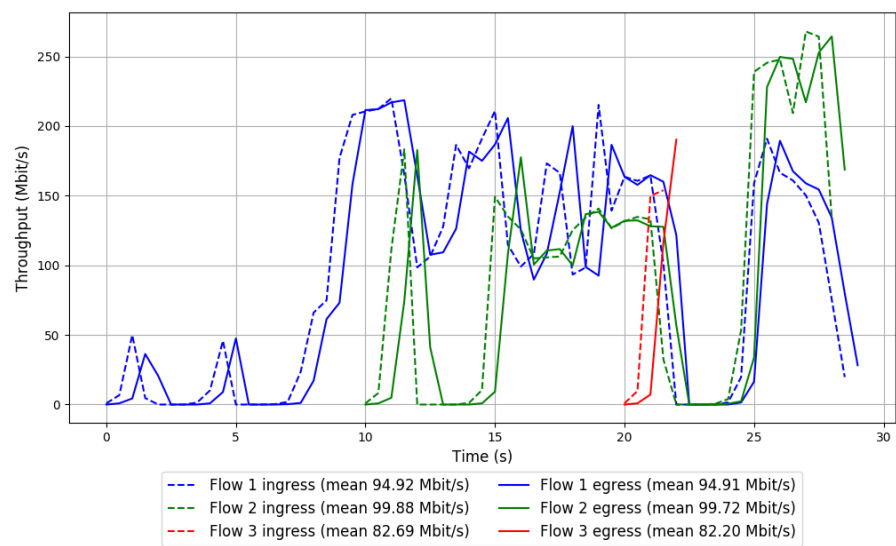
-- Flow 3:

Average throughput: 82.20 Mbit/s

95th percentile per-packet one-way delay: 77.059 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-11 14:41:08

End at: 2018-07-11 14:41:38

Local clock offset: 0.023 ms

Remote clock offset: 0.311 ms

Below is generated by plot.py at 2018-07-11 19:27:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 310.40 Mbit/s

95th percentile per-packet one-way delay: 73.190 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 186.69 Mbit/s

95th percentile per-packet one-way delay: 72.802 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 184.94 Mbit/s

95th percentile per-packet one-way delay: 73.737 ms

Loss rate: 0.65%

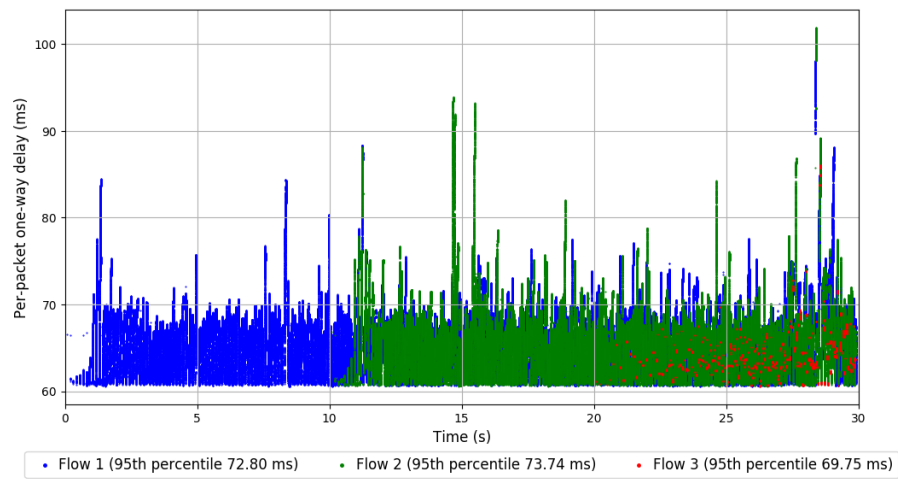
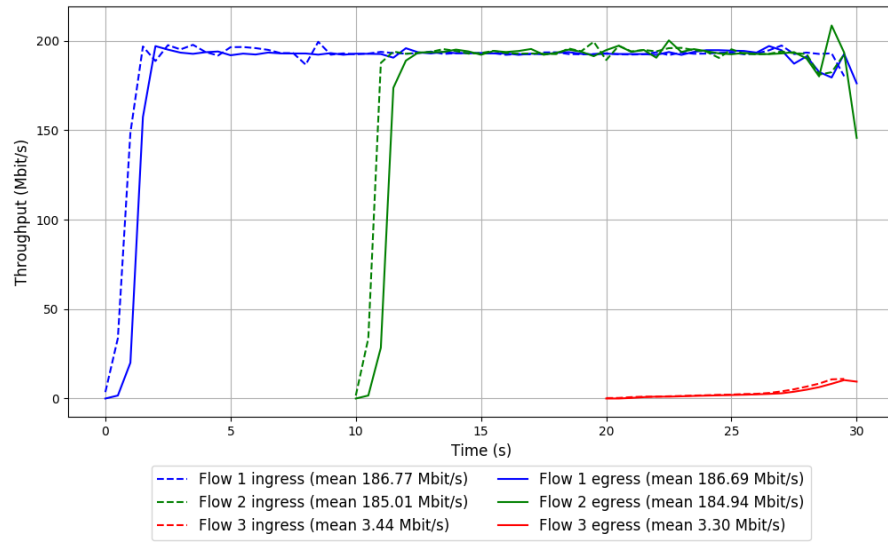
-- Flow 3:

Average throughput: 3.30 Mbit/s

95th percentile per-packet one-way delay: 69.745 ms

Loss rate: 5.42%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-11 15:05:58

End at: 2018-07-11 15:06:28

Local clock offset: 0.032 ms

Remote clock offset: 1.288 ms

Below is generated by plot.py at 2018-07-11 19:27:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 336.08 Mbit/s

95th percentile per-packet one-way delay: 109.833 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 177.91 Mbit/s

95th percentile per-packet one-way delay: 107.672 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 168.04 Mbit/s

95th percentile per-packet one-way delay: 111.577 ms

Loss rate: 0.72%

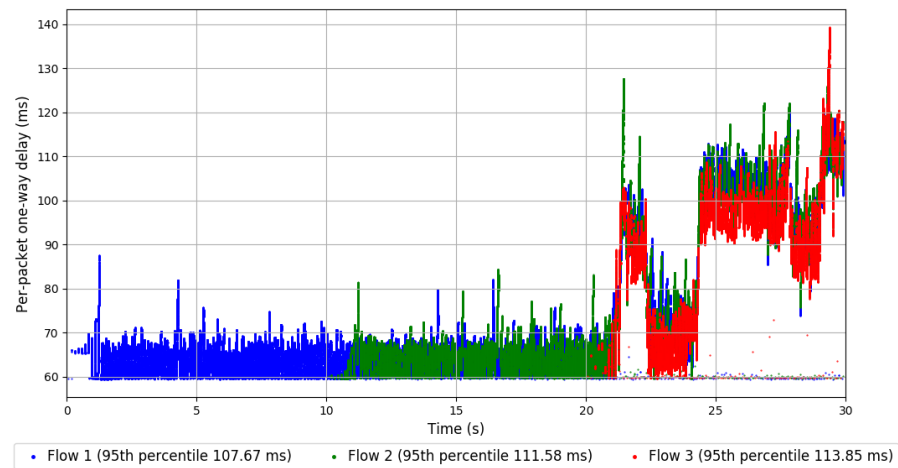
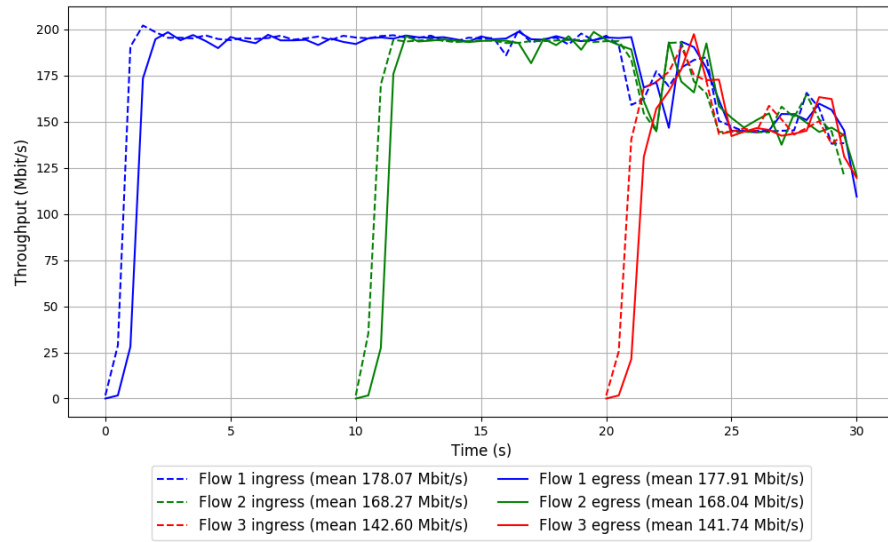
-- Flow 3:

Average throughput: 141.74 Mbit/s

95th percentile per-packet one-way delay: 113.851 ms

Loss rate: 1.68%

Run 2: Report of TCP Cubic — Data Link

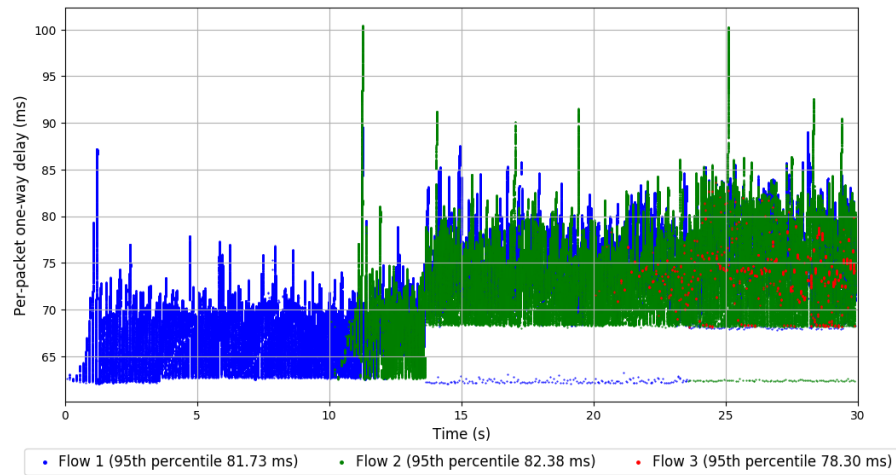
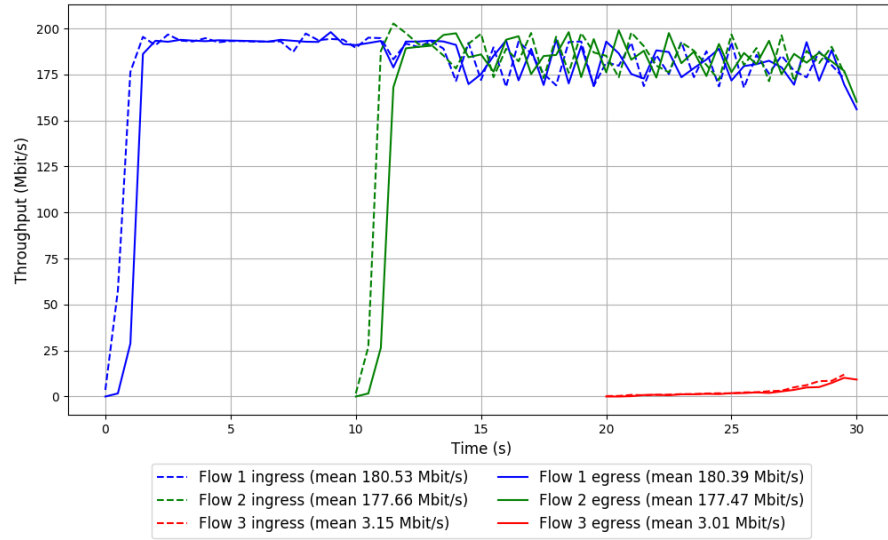


Run 3: Statistics of TCP Cubic

Start at: 2018-07-11 15:31:15
End at: 2018-07-11 15:31:45
Local clock offset: 0.053 ms
Remote clock offset: -1.357 ms

Below is generated by plot.py at 2018-07-11 19:27:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 299.32 Mbit/s
95th percentile per-packet one-way delay: 81.989 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 180.39 Mbit/s
95th percentile per-packet one-way delay: 81.728 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 177.47 Mbit/s
95th percentile per-packet one-way delay: 82.375 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 3.01 Mbit/s
95th percentile per-packet one-way delay: 78.301 ms
Loss rate: 5.82%

Run 3: Report of TCP Cubic — Data Link

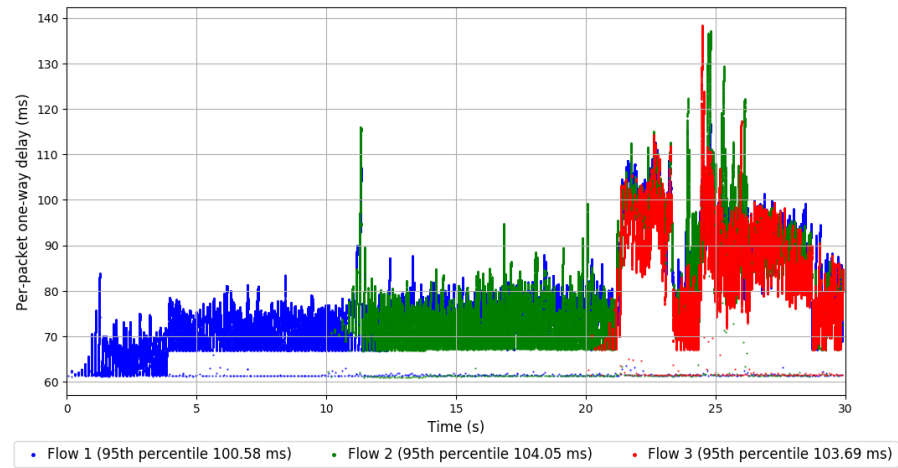
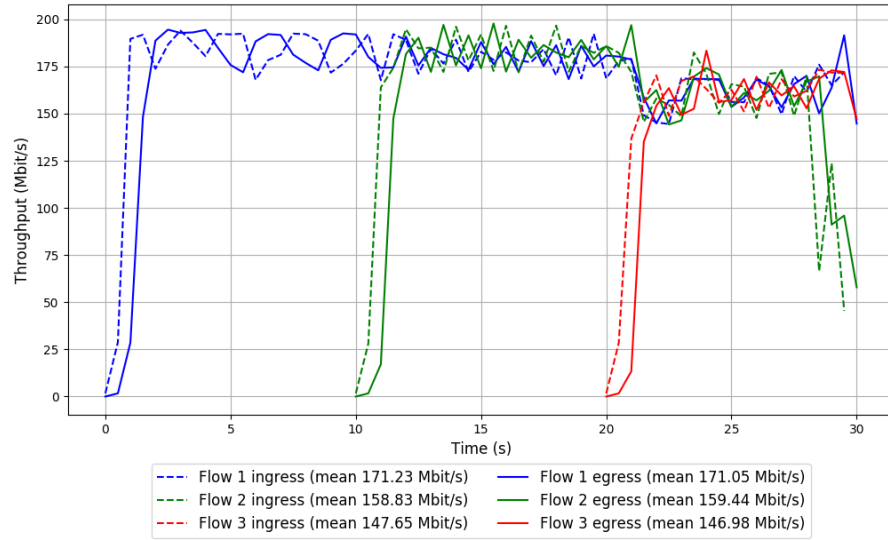


Run 4: Statistics of TCP Cubic

Start at: 2018-07-11 15:56:15
End at: 2018-07-11 15:56:45
Local clock offset: 0.03 ms
Remote clock offset: -0.285 ms

Below is generated by plot.py at 2018-07-11 19:27:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 325.44 Mbit/s
95th percentile per-packet one-way delay: 102.489 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 171.05 Mbit/s
95th percentile per-packet one-way delay: 100.583 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 159.44 Mbit/s
95th percentile per-packet one-way delay: 104.045 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 146.98 Mbit/s
95th percentile per-packet one-way delay: 103.693 ms
Loss rate: 1.67%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-11 16:21:28

End at: 2018-07-11 16:21:58

Local clock offset: -0.017 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-11 19:28:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 276.29 Mbit/s

95th percentile per-packet one-way delay: 81.317 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 183.50 Mbit/s

95th percentile per-packet one-way delay: 81.012 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 138.00 Mbit/s

95th percentile per-packet one-way delay: 81.853 ms

Loss rate: 0.57%

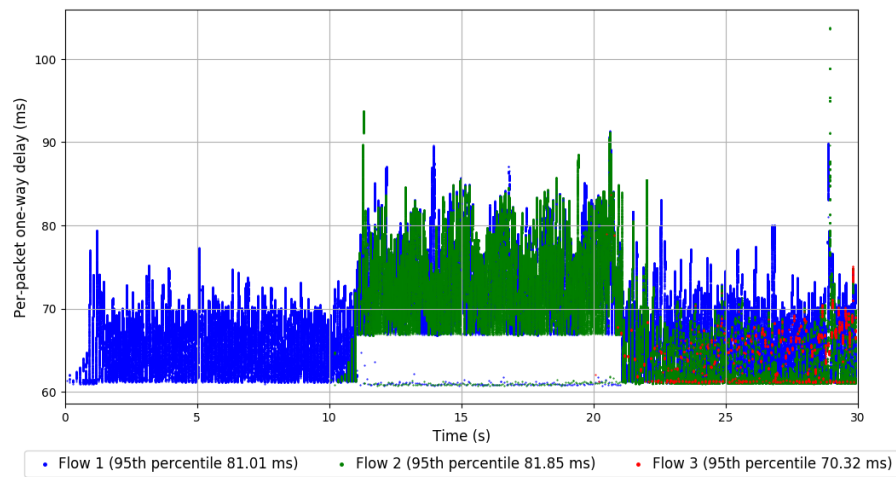
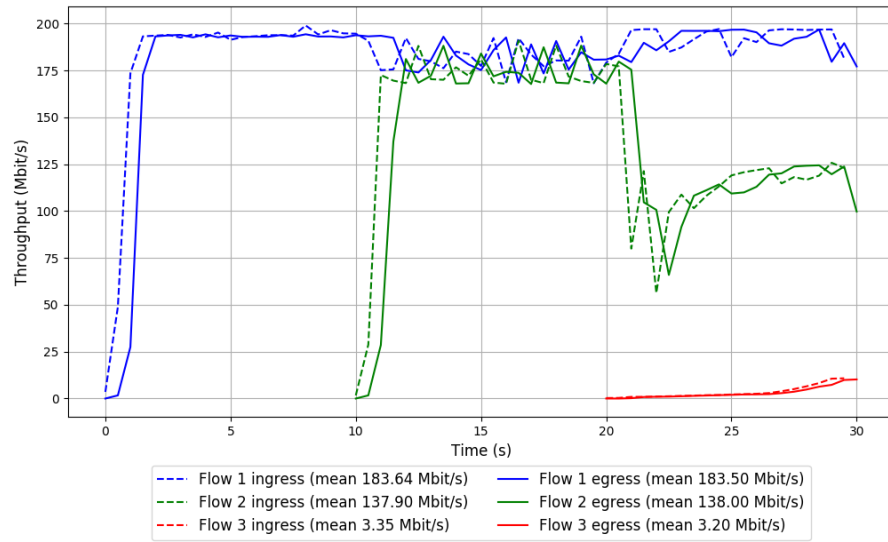
-- Flow 3:

Average throughput: 3.20 Mbit/s

95th percentile per-packet one-way delay: 70.321 ms

Loss rate: 5.48%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-11 16:46:43

End at: 2018-07-11 16:47:13

Local clock offset: 0.001 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-07-11 19:28:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 238.02 Mbit/s

95th percentile per-packet one-way delay: 71.760 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 118.10 Mbit/s

95th percentile per-packet one-way delay: 69.529 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 178.74 Mbit/s

95th percentile per-packet one-way delay: 72.608 ms

Loss rate: 0.24%

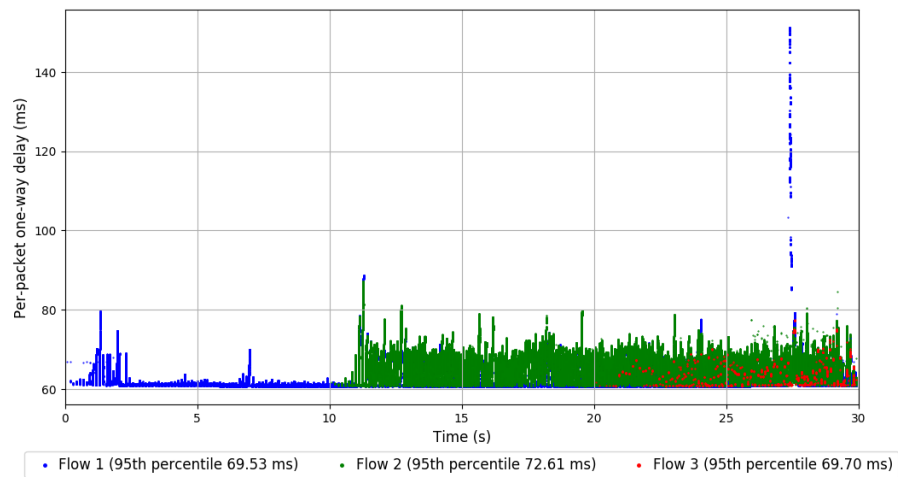
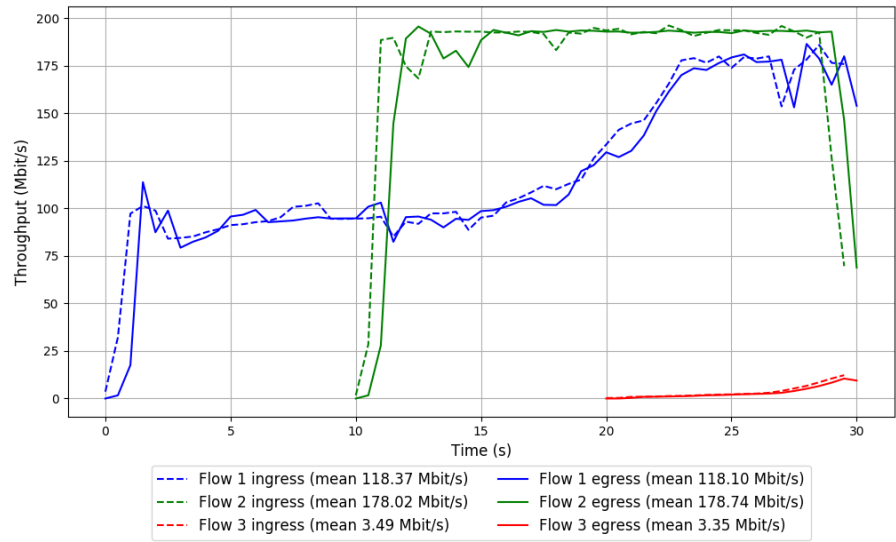
-- Flow 3:

Average throughput: 3.35 Mbit/s

95th percentile per-packet one-way delay: 69.699 ms

Loss rate: 5.38%

Run 6: Report of TCP Cubic — Data Link

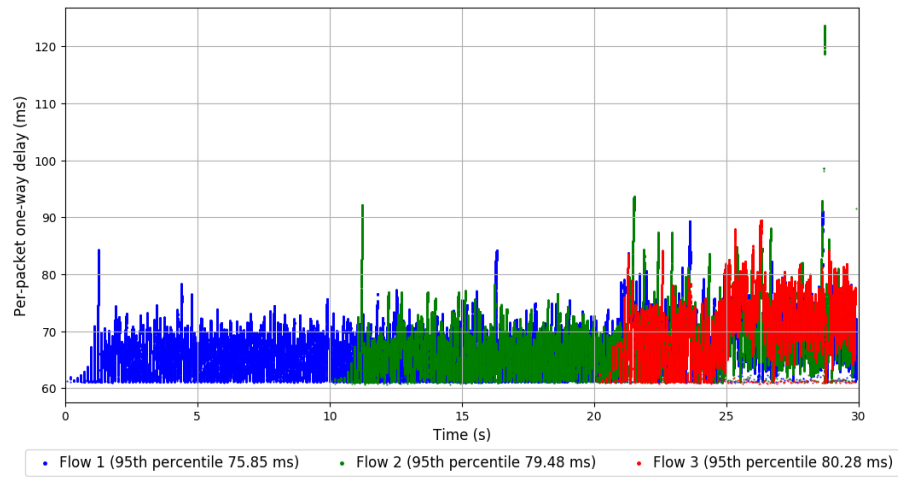
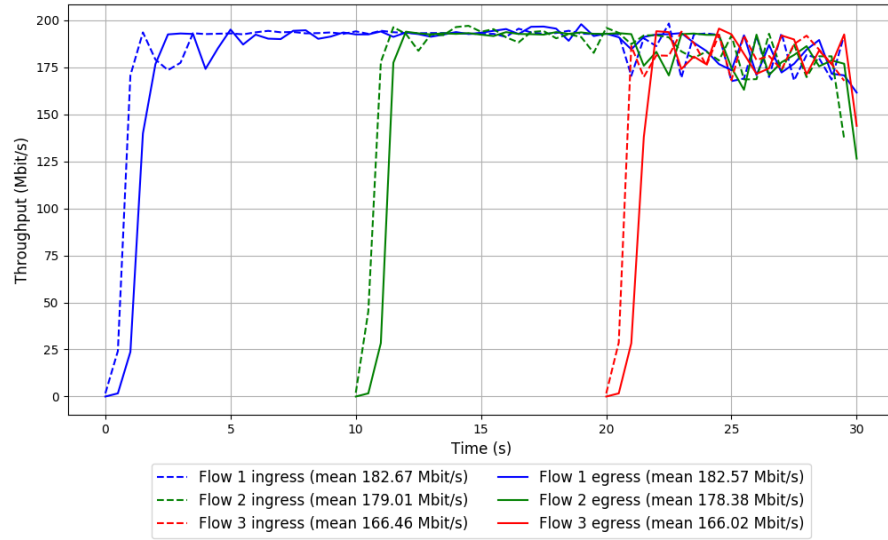


Run 7: Statistics of TCP Cubic

Start at: 2018-07-11 17:12:14
End at: 2018-07-11 17:12:44
Local clock offset: -0.016 ms
Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-11 19:31:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 355.53 Mbit/s
95th percentile per-packet one-way delay: 78.281 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 182.57 Mbit/s
95th percentile per-packet one-way delay: 75.854 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 178.38 Mbit/s
95th percentile per-packet one-way delay: 79.480 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 166.02 Mbit/s
95th percentile per-packet one-way delay: 80.280 ms
Loss rate: 1.45%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-11 17:37:35

End at: 2018-07-11 17:38:05

Local clock offset: -0.007 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-07-11 19:31:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 258.21 Mbit/s

95th percentile per-packet one-way delay: 76.088 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 178.46 Mbit/s

95th percentile per-packet one-way delay: 73.694 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 39.10 Mbit/s

95th percentile per-packet one-way delay: 74.816 ms

Loss rate: 2.90%

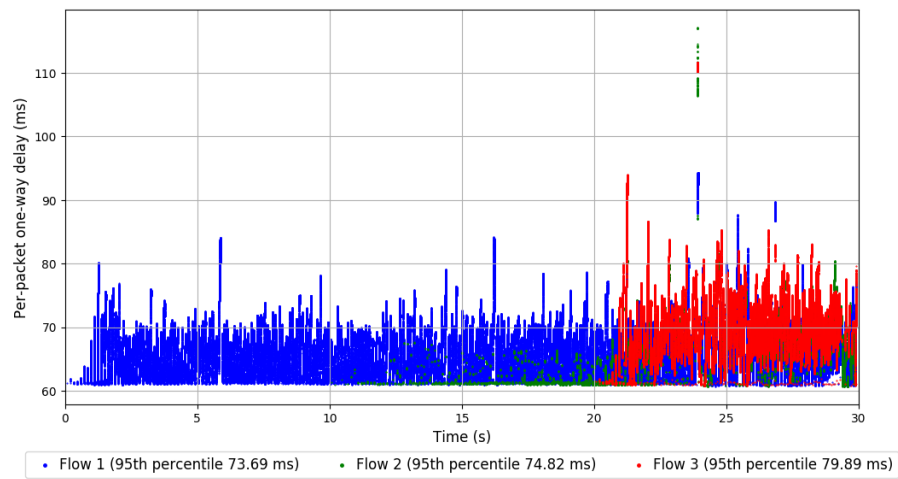
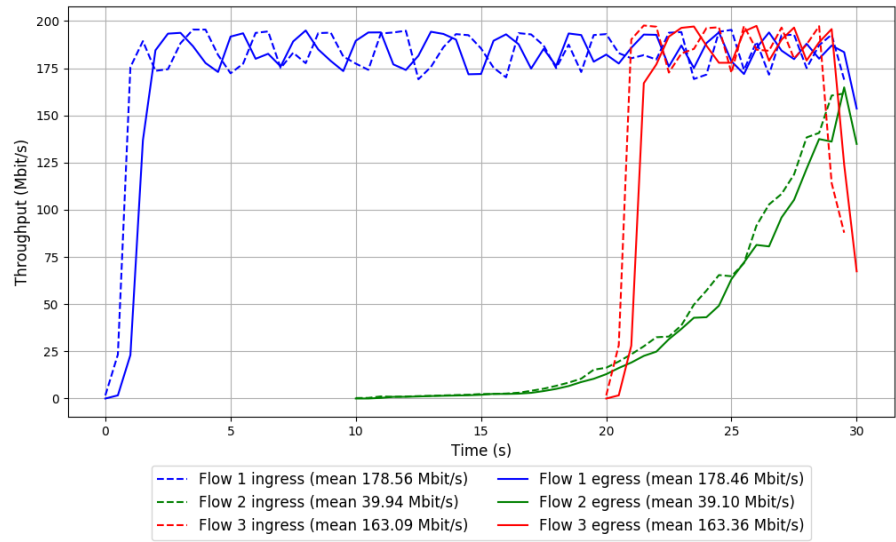
-- Flow 3:

Average throughput: 163.36 Mbit/s

95th percentile per-packet one-way delay: 79.894 ms

Loss rate: 1.13%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-11 18:02:31

End at: 2018-07-11 18:03:01

Local clock offset: 0.01 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-07-11 19:31:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 212.91 Mbit/s

95th percentile per-packet one-way delay: 70.937 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 133.08 Mbit/s

95th percentile per-packet one-way delay: 70.984 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 118.61 Mbit/s

95th percentile per-packet one-way delay: 70.839 ms

Loss rate: 0.38%

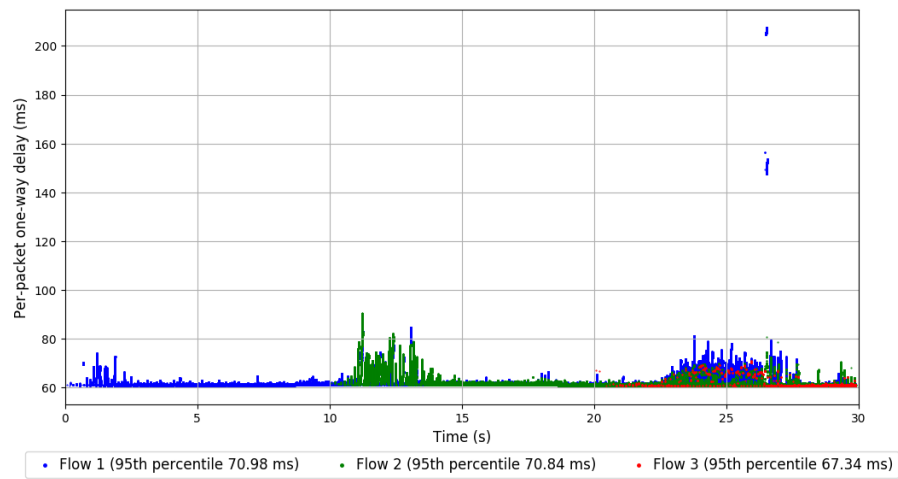
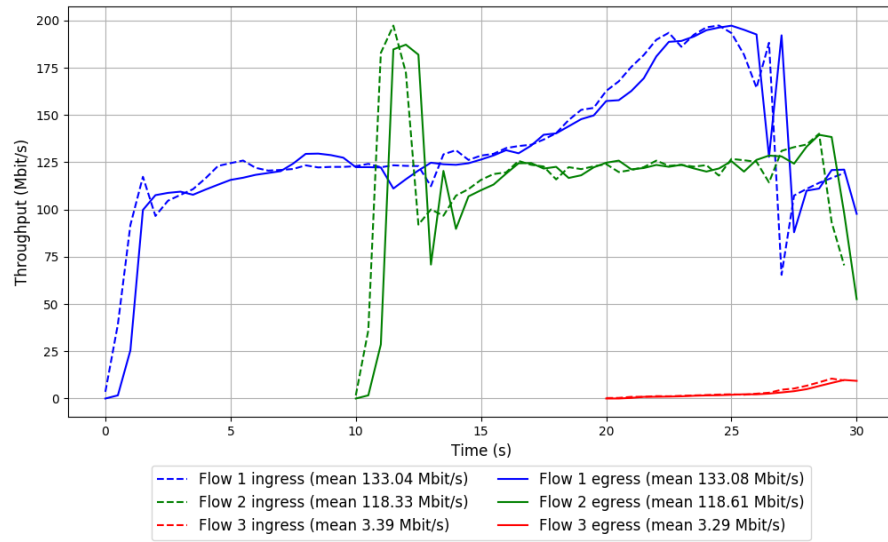
-- Flow 3:

Average throughput: 3.29 Mbit/s

95th percentile per-packet one-way delay: 67.342 ms

Loss rate: 4.14%

Run 9: Report of TCP Cubic — Data Link

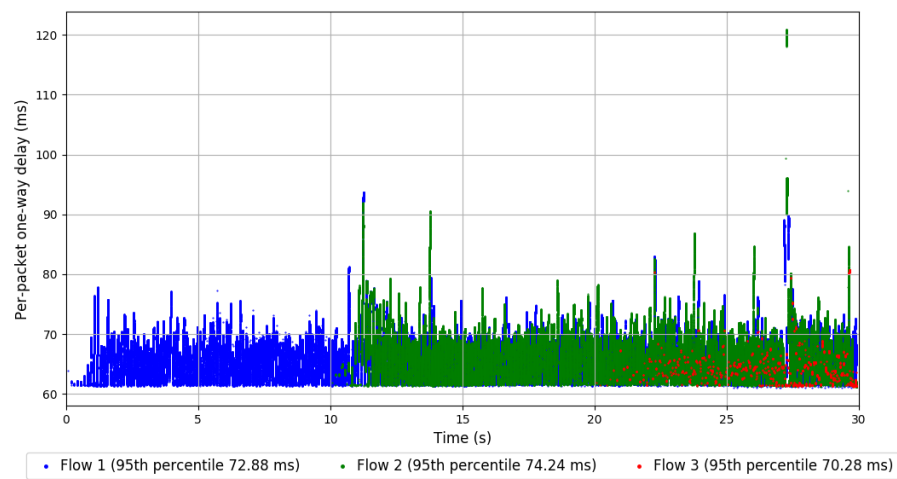
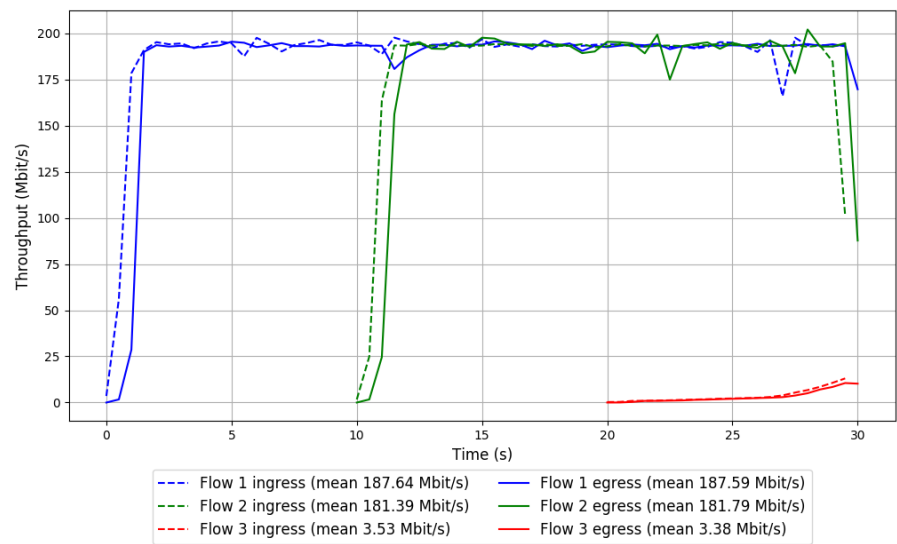


Run 10: Statistics of TCP Cubic

Start at: 2018-07-11 18:27:44
End at: 2018-07-11 18:28:14
Local clock offset: -0.085 ms
Remote clock offset: -0.322 ms

Below is generated by plot.py at 2018-07-11 19:32:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 309.53 Mbit/s
95th percentile per-packet one-way delay: 73.579 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 187.59 Mbit/s
95th percentile per-packet one-way delay: 72.879 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 181.79 Mbit/s
95th percentile per-packet one-way delay: 74.242 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 3.38 Mbit/s
95th percentile per-packet one-way delay: 70.282 ms
Loss rate: 5.39%

Run 10: Report of TCP Cubic — Data Link

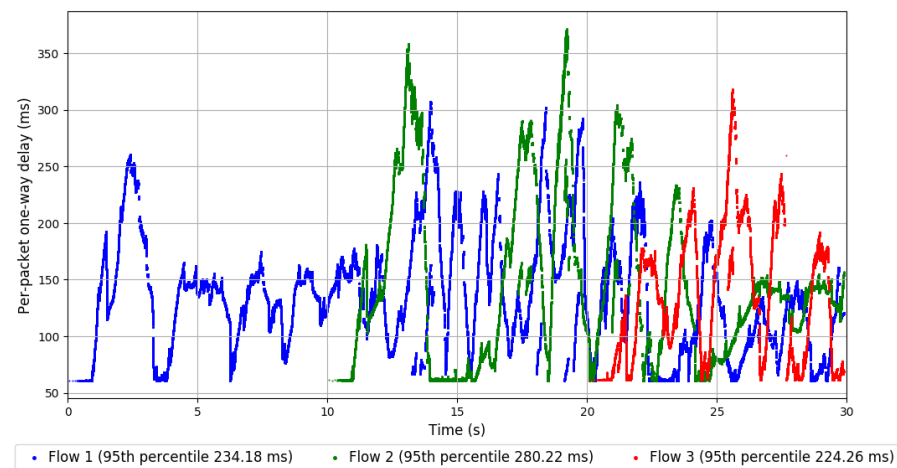
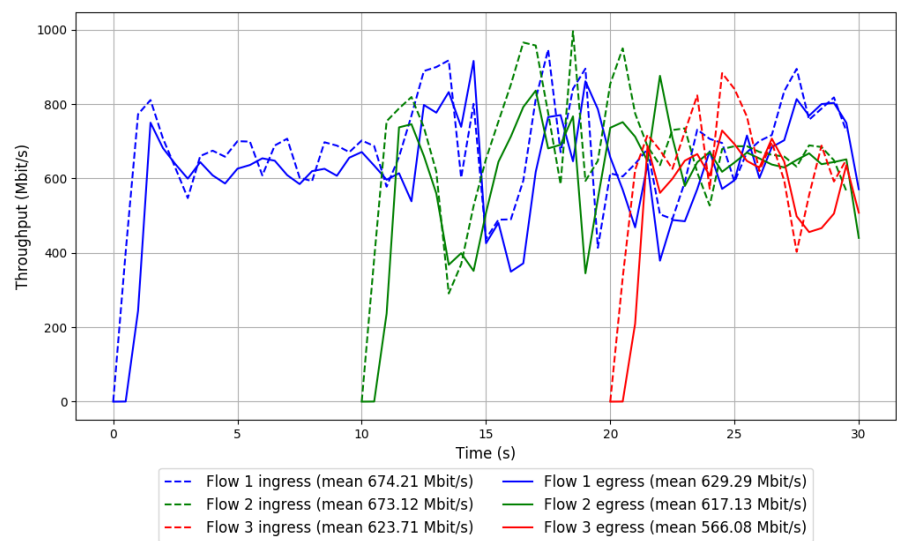


Run 1: Statistics of FillP

Start at: 2018-07-11 14:55:51
End at: 2018-07-11 14:56:21
Local clock offset: 0.019 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-11 19:56:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 1225.54 Mbit/s
95th percentile per-packet one-way delay: 256.835 ms
Loss rate: 8.20%
-- Flow 1:
Average throughput: 629.29 Mbit/s
95th percentile per-packet one-way delay: 234.175 ms
Loss rate: 7.06%
-- Flow 2:
Average throughput: 617.13 Mbit/s
95th percentile per-packet one-way delay: 280.220 ms
Loss rate: 8.91%
-- Flow 3:
Average throughput: 566.08 Mbit/s
95th percentile per-packet one-way delay: 224.259 ms
Loss rate: 10.40%

Run 1: Report of FillP — Data Link

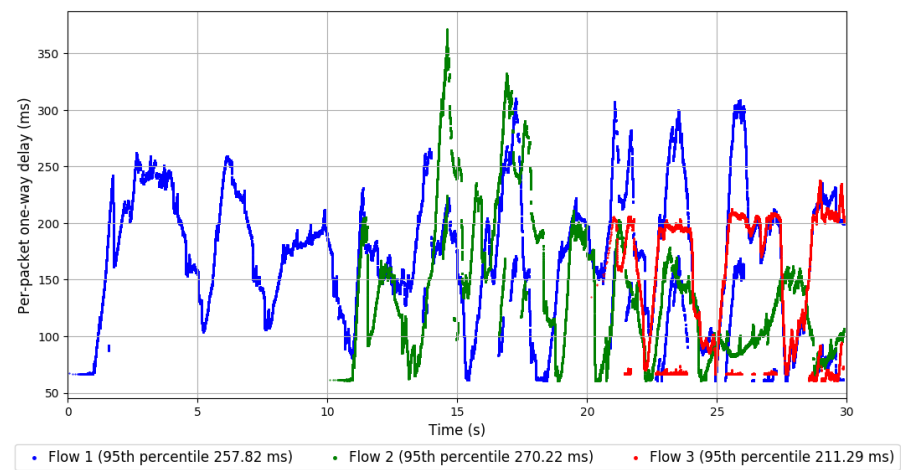
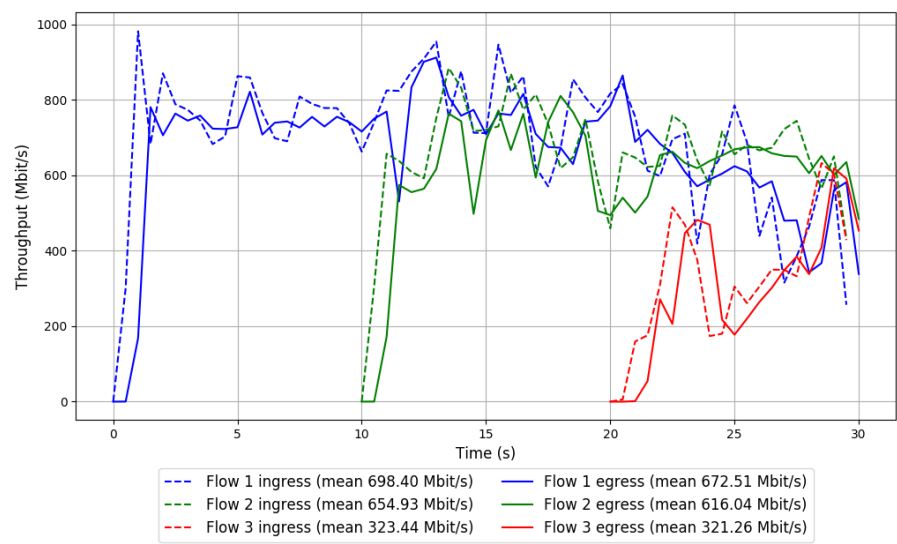


Run 2: Statistics of FillP

Start at: 2018-07-11 15:20:51
End at: 2018-07-11 15:21:21
Local clock offset: 0.088 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-11 19:56:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 1186.47 Mbit/s
95th percentile per-packet one-way delay: 257.081 ms
Loss rate: 4.84%
-- Flow 1:
Average throughput: 672.51 Mbit/s
95th percentile per-packet one-way delay: 257.819 ms
Loss rate: 4.12%
-- Flow 2:
Average throughput: 616.04 Mbit/s
95th percentile per-packet one-way delay: 270.218 ms
Loss rate: 6.53%
-- Flow 3:
Average throughput: 321.26 Mbit/s
95th percentile per-packet one-way delay: 211.292 ms
Loss rate: 2.61%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-11 15:45:51

End at: 2018-07-11 15:46:21

Local clock offset: 0.012 ms

Remote clock offset: 1.205 ms

Below is generated by plot.py at 2018-07-11 20:00:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 1381.91 Mbit/s

95th percentile per-packet one-way delay: 231.261 ms

Loss rate: 3.64%

-- Flow 1:

Average throughput: 734.46 Mbit/s

95th percentile per-packet one-way delay: 241.574 ms

Loss rate: 2.16%

-- Flow 2:

Average throughput: 671.49 Mbit/s

95th percentile per-packet one-way delay: 216.000 ms

Loss rate: 4.34%

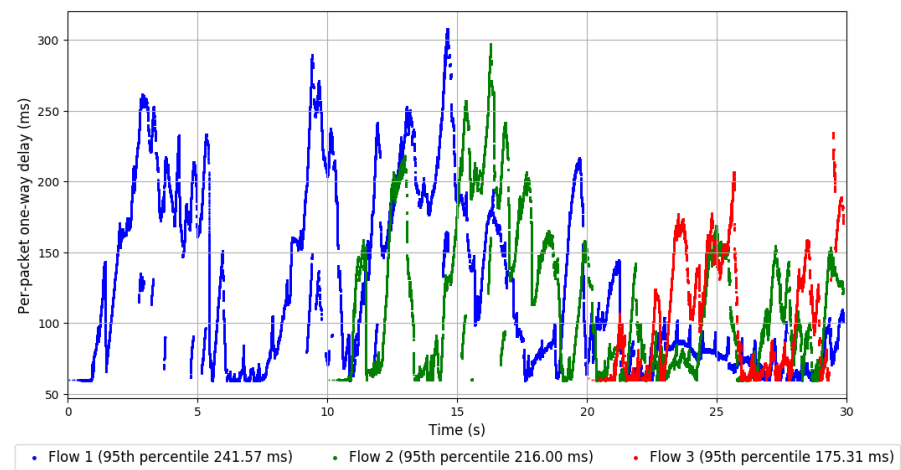
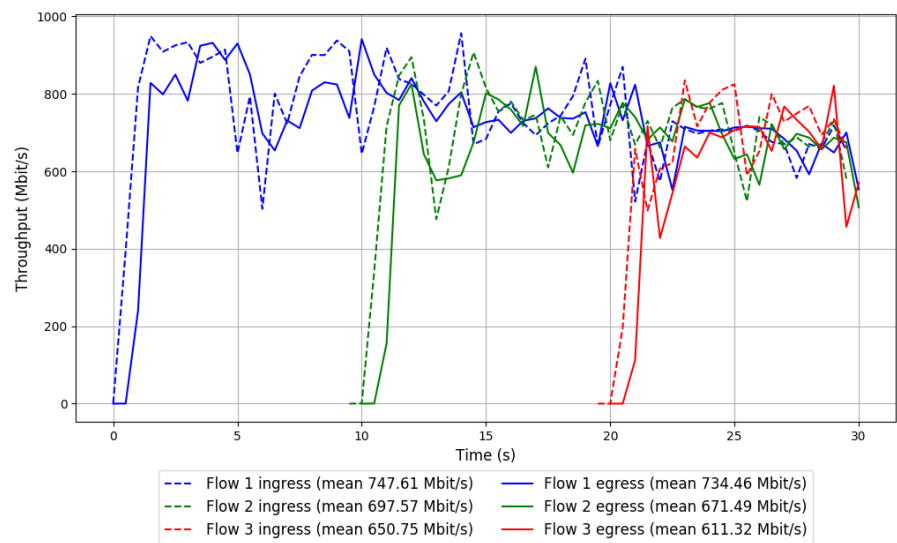
-- Flow 3:

Average throughput: 611.32 Mbit/s

95th percentile per-packet one-way delay: 175.306 ms

Loss rate: 7.23%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-11 16:11:06

End at: 2018-07-11 16:11:36

Local clock offset: 0.002 ms

Remote clock offset: 0.306 ms

Below is generated by plot.py at 2018-07-11 20:00:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 1042.40 Mbit/s

95th percentile per-packet one-way delay: 255.923 ms

Loss rate: 5.35%

-- Flow 1:

Average throughput: 566.94 Mbit/s

95th percentile per-packet one-way delay: 265.510 ms

Loss rate: 5.03%

-- Flow 2:

Average throughput: 400.84 Mbit/s

95th percentile per-packet one-way delay: 252.643 ms

Loss rate: 0.92%

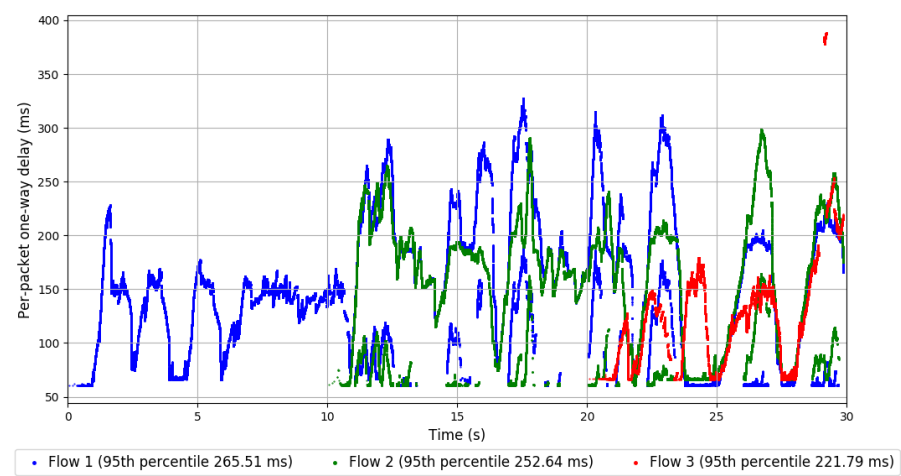
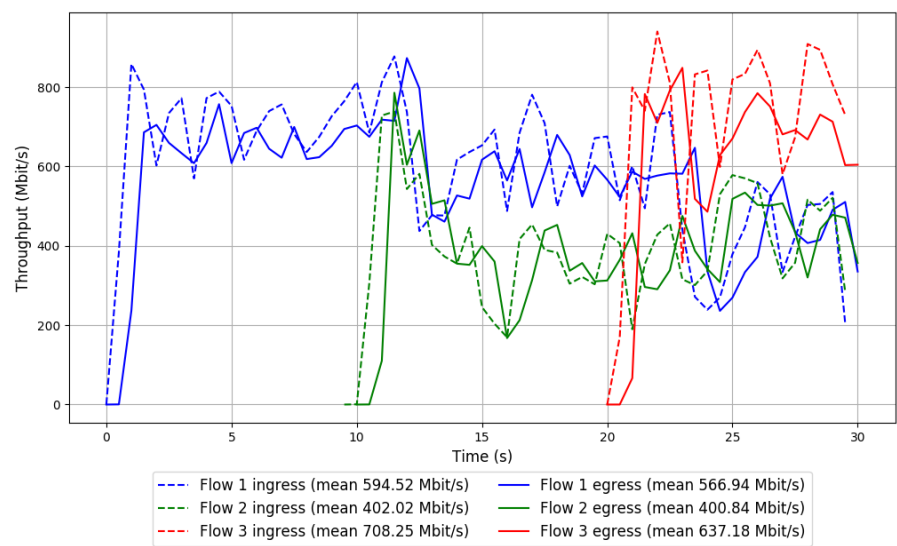
-- Flow 3:

Average throughput: 637.18 Mbit/s

95th percentile per-packet one-way delay: 221.793 ms

Loss rate: 11.21%

Run 4: Report of FillP — Data Link

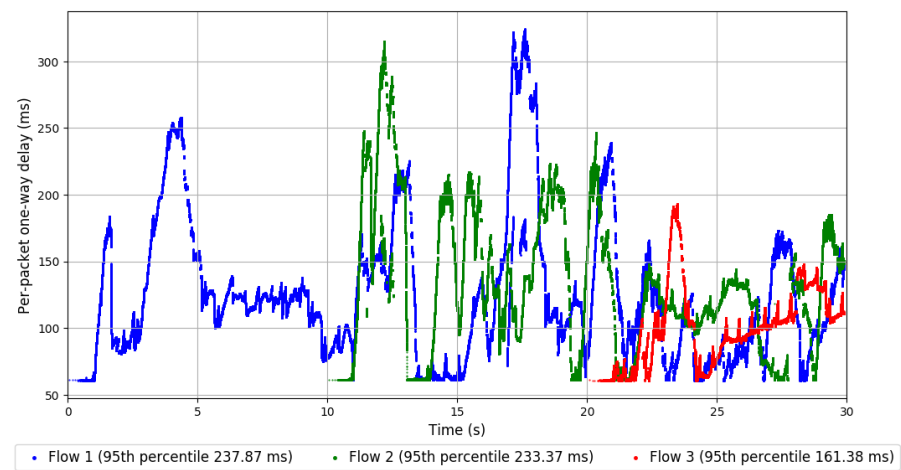
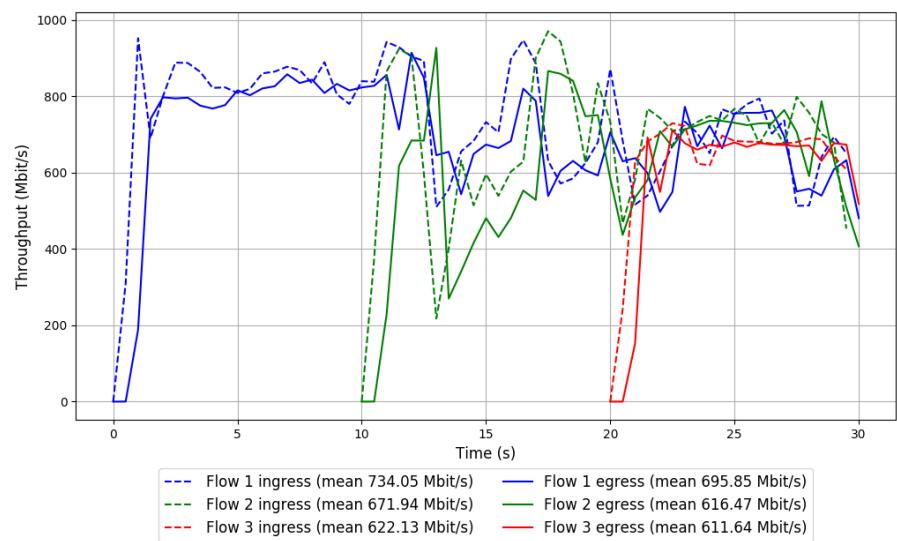


Run 5: Statistics of FillP

Start at: 2018-07-11 16:36:05
End at: 2018-07-11 16:36:35
Local clock offset: -0.014 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-11 20:00:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 1306.49 Mbit/s
95th percentile per-packet one-way delay: 226.745 ms
Loss rate: 6.23%
-- Flow 1:
Average throughput: 695.85 Mbit/s
95th percentile per-packet one-way delay: 237.874 ms
Loss rate: 5.59%
-- Flow 2:
Average throughput: 616.47 Mbit/s
95th percentile per-packet one-way delay: 233.369 ms
Loss rate: 8.82%
-- Flow 3:
Average throughput: 611.64 Mbit/s
95th percentile per-packet one-way delay: 161.378 ms
Loss rate: 2.90%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-11 17:01:28

End at: 2018-07-11 17:01:58

Local clock offset: -0.041 ms

Remote clock offset: 0.265 ms

Below is generated by plot.py at 2018-07-11 20:03:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 1407.06 Mbit/s

95th percentile per-packet one-way delay: 219.768 ms

Loss rate: 3.50%

-- Flow 1:

Average throughput: 771.33 Mbit/s

95th percentile per-packet one-way delay: 218.984 ms

Loss rate: 2.41%

-- Flow 2:

Average throughput: 671.34 Mbit/s

95th percentile per-packet one-way delay: 243.799 ms

Loss rate: 3.61%

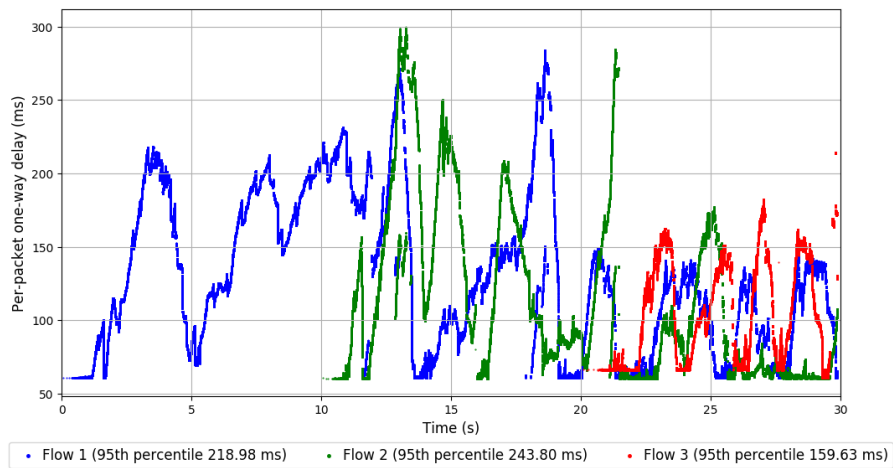
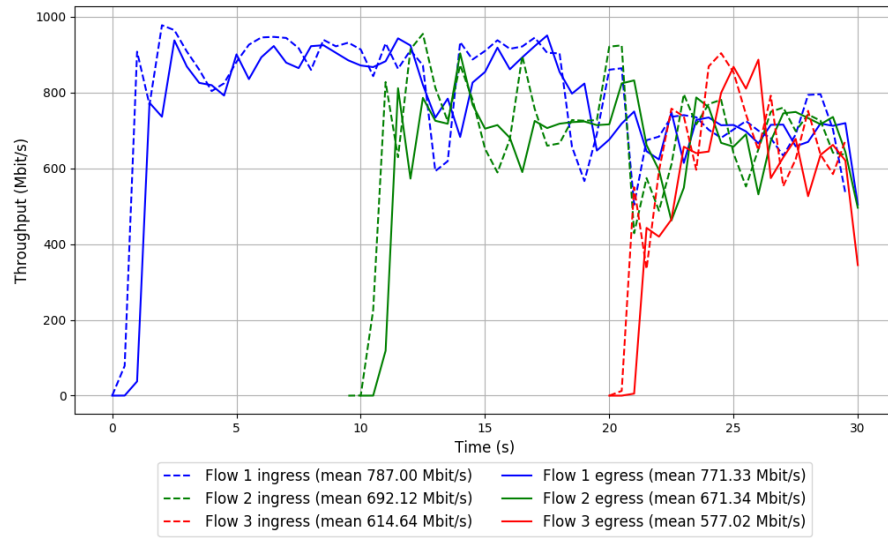
-- Flow 3:

Average throughput: 577.02 Mbit/s

95th percentile per-packet one-way delay: 159.629 ms

Loss rate: 7.41%

Run 6: Report of FillP — Data Link

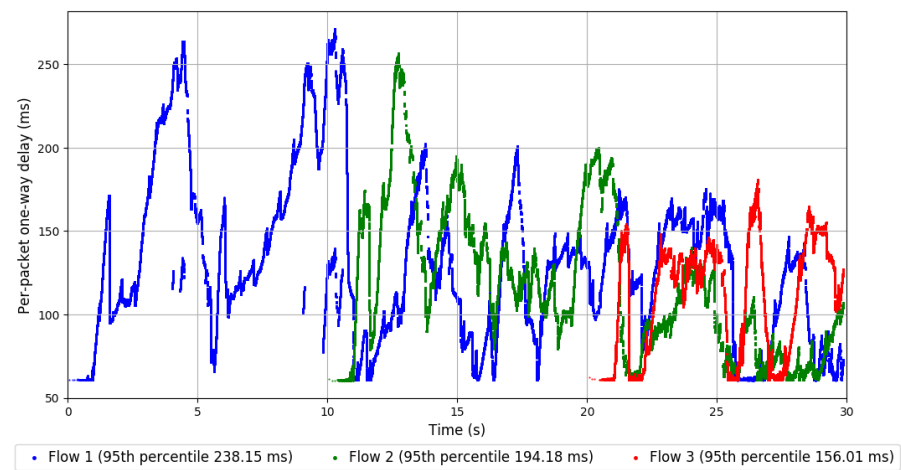
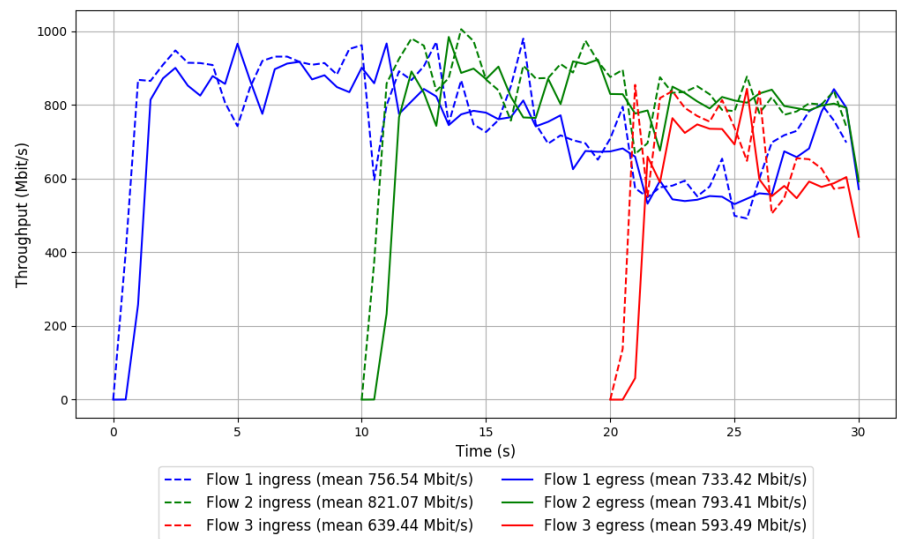


Run 7: Statistics of FillP

Start at: 2018-07-11 17:27:03
End at: 2018-07-11 17:27:33
Local clock offset: -0.016 ms
Remote clock offset: 0.242 ms

Below is generated by plot.py at 2018-07-11 20:06:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 1455.65 Mbit/s
95th percentile per-packet one-way delay: 220.673 ms
Loss rate: 4.33%
-- Flow 1:
Average throughput: 733.42 Mbit/s
95th percentile per-packet one-way delay: 238.146 ms
Loss rate: 3.46%
-- Flow 2:
Average throughput: 793.41 Mbit/s
95th percentile per-packet one-way delay: 194.181 ms
Loss rate: 3.97%
-- Flow 3:
Average throughput: 593.49 Mbit/s
95th percentile per-packet one-way delay: 156.008 ms
Loss rate: 8.36%

Run 7: Report of FillP — Data Link

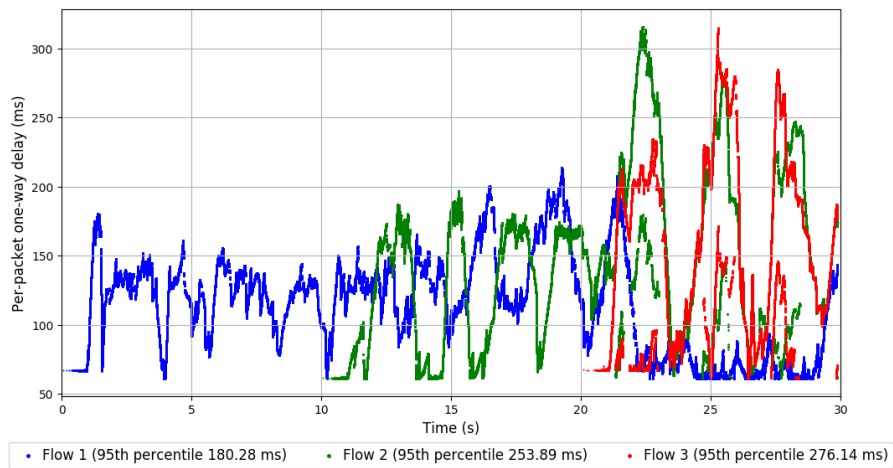
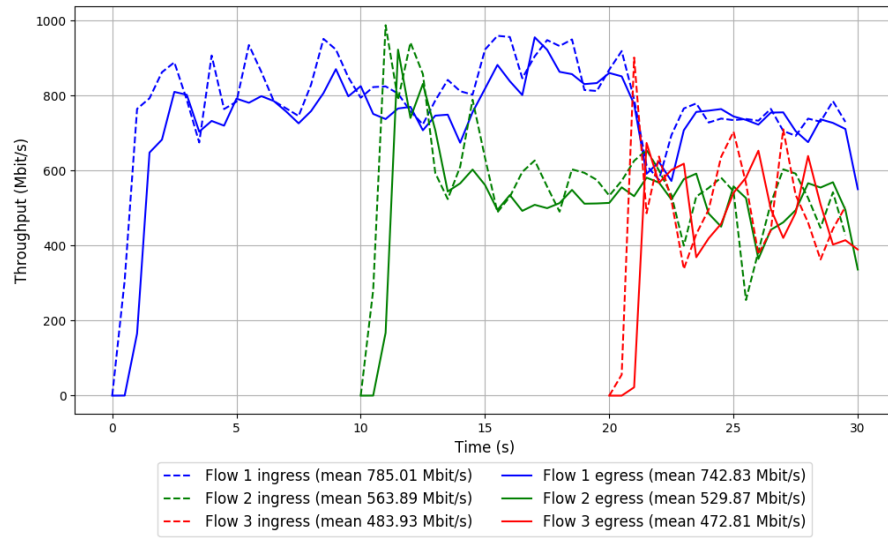


Run 8: Statistics of FillP

Start at: 2018-07-11 17:52:25
End at: 2018-07-11 17:52:55
Local clock offset: -0.019 ms
Remote clock offset: -0.238 ms

Below is generated by plot.py at 2018-07-11 20:06:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 1250.40 Mbit/s
95th percentile per-packet one-way delay: 224.693 ms
Loss rate: 5.75%
-- Flow 1:
Average throughput: 742.83 Mbit/s
95th percentile per-packet one-way delay: 180.285 ms
Loss rate: 5.78%
-- Flow 2:
Average throughput: 529.87 Mbit/s
95th percentile per-packet one-way delay: 253.892 ms
Loss rate: 6.61%
-- Flow 3:
Average throughput: 472.81 Mbit/s
95th percentile per-packet one-way delay: 276.140 ms
Loss rate: 3.57%

Run 8: Report of FillP — Data Link

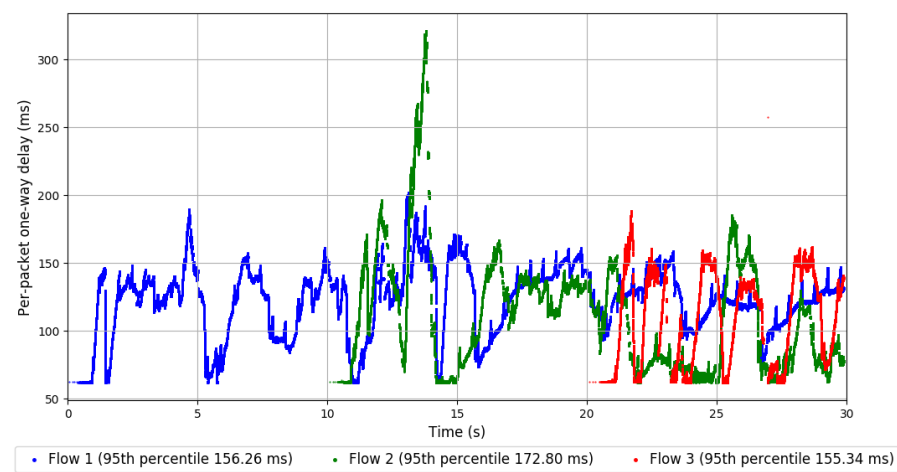
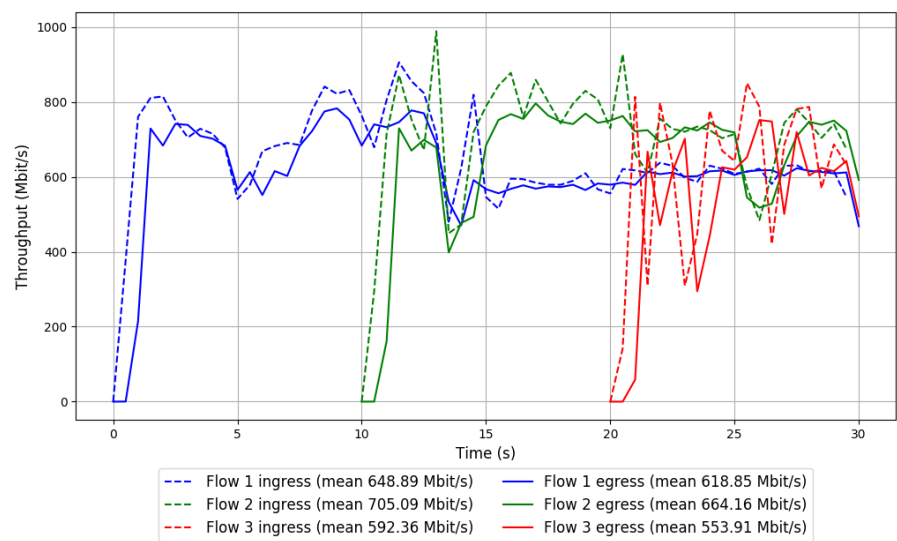


Run 9: Statistics of FillP

Start at: 2018-07-11 18:17:15
End at: 2018-07-11 18:17:45
Local clock offset: -0.057 ms
Remote clock offset: -1.243 ms

Below is generated by plot.py at 2018-07-11 20:22:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 1241.60 Mbit/s
95th percentile per-packet one-way delay: 159.499 ms
Loss rate: 5.90%
-- Flow 1:
Average throughput: 618.85 Mbit/s
95th percentile per-packet one-way delay: 156.264 ms
Loss rate: 5.02%
-- Flow 2:
Average throughput: 664.16 Mbit/s
95th percentile per-packet one-way delay: 172.803 ms
Loss rate: 6.39%
-- Flow 3:
Average throughput: 553.91 Mbit/s
95th percentile per-packet one-way delay: 155.338 ms
Loss rate: 7.66%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-11 18:42:13

End at: 2018-07-11 18:42:43

Local clock offset: -0.034 ms

Remote clock offset: 1.015 ms

Below is generated by plot.py at 2018-07-11 20:29:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 1360.43 Mbit/s

95th percentile per-packet one-way delay: 162.977 ms

Loss rate: 4.05%

-- Flow 1:

Average throughput: 714.22 Mbit/s

95th percentile per-packet one-way delay: 155.148 ms

Loss rate: 3.89%

-- Flow 2:

Average throughput: 662.08 Mbit/s

95th percentile per-packet one-way delay: 161.182 ms

Loss rate: 4.47%

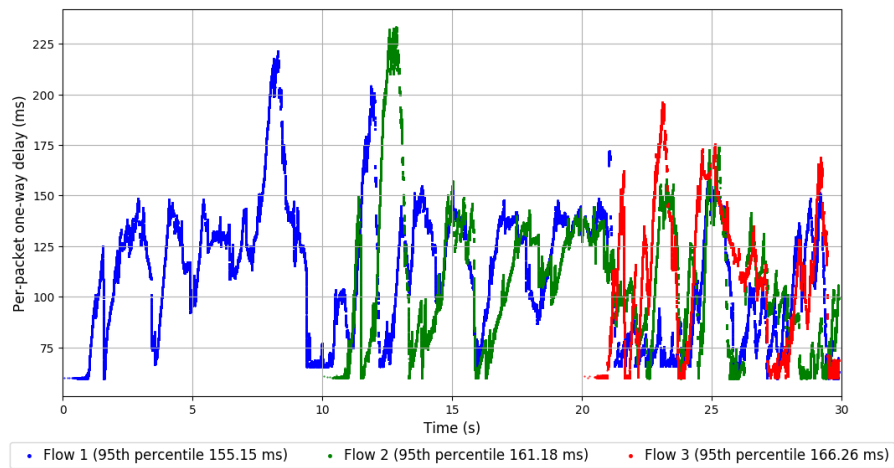
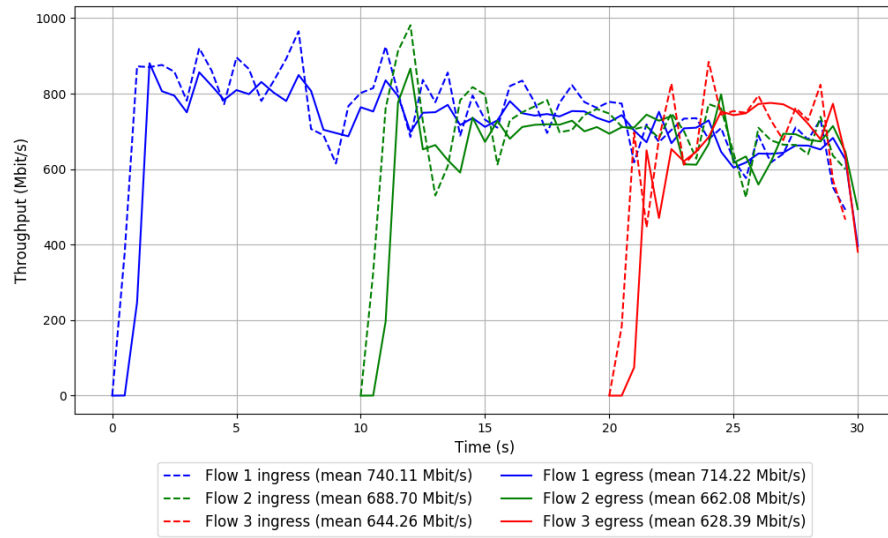
-- Flow 3:

Average throughput: 628.39 Mbit/s

95th percentile per-packet one-way delay: 166.265 ms

Loss rate: 3.68%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-11 14:46:36

End at: 2018-07-11 14:47:06

Local clock offset: -0.013 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-07-11 20:29:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 1190.55 Mbit/s

95th percentile per-packet one-way delay: 209.915 ms

Loss rate: 7.68%

-- Flow 1:

Average throughput: 574.44 Mbit/s

95th percentile per-packet one-way delay: 215.925 ms

Loss rate: 12.70%

-- Flow 2:

Average throughput: 641.22 Mbit/s

95th percentile per-packet one-way delay: 208.861 ms

Loss rate: 2.94%

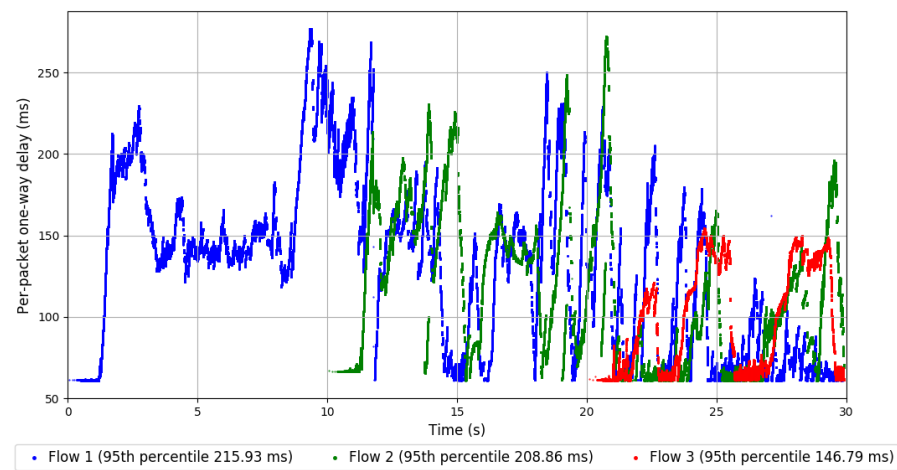
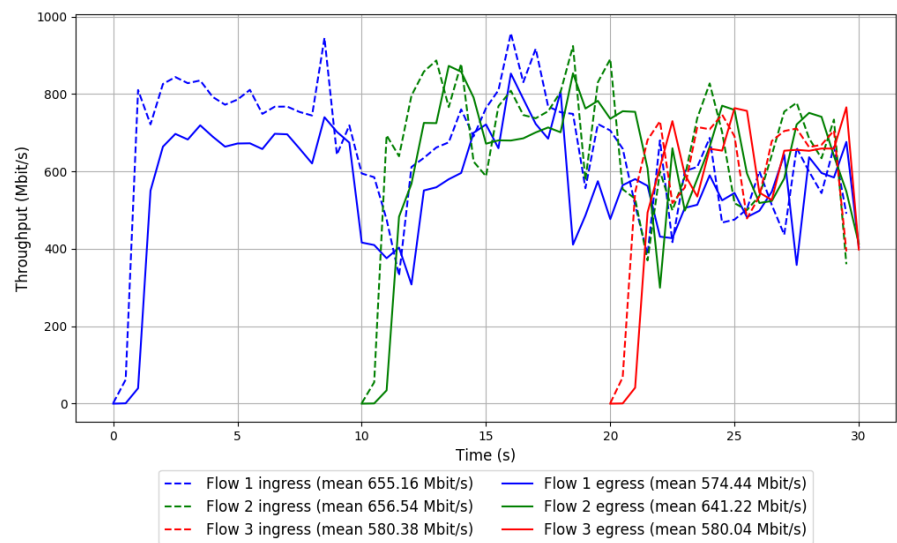
-- Flow 3:

Average throughput: 580.04 Mbit/s

95th percentile per-packet one-way delay: 146.788 ms

Loss rate: 1.31%

Run 1: Report of FillP-Sheep — Data Link

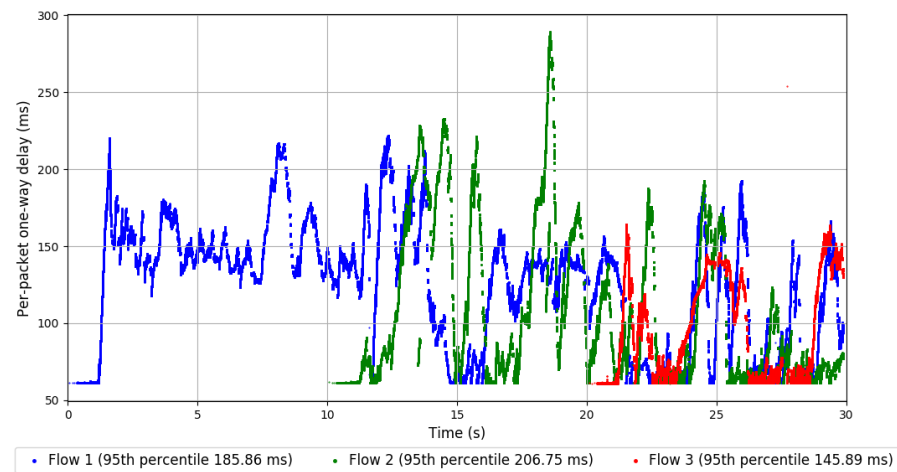
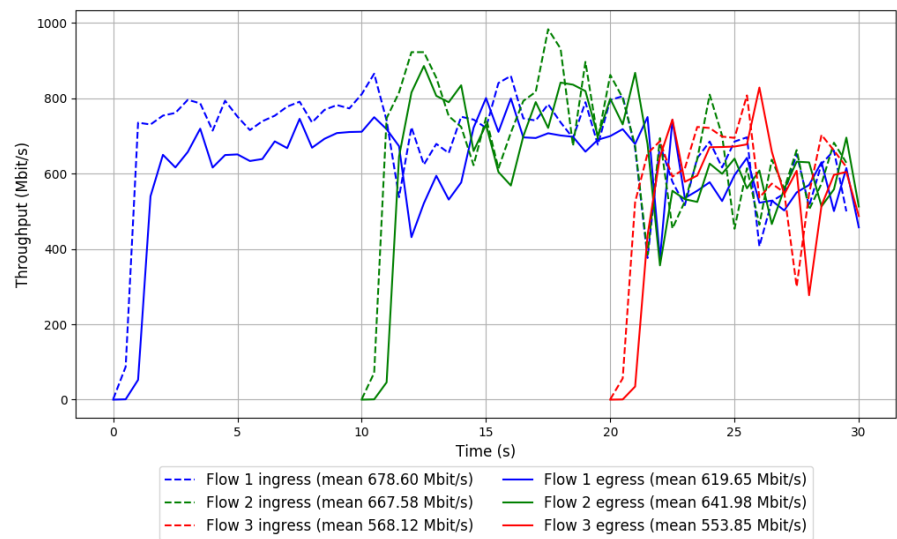


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-11 15:11:28
End at: 2018-07-11 15:11:58
Local clock offset: 0.017 ms
Remote clock offset: -0.147 ms

```
# Below is generated by plot.py at 2018-07-11 20:30:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1227.94 Mbit/s
95th percentile per-packet one-way delay: 191.895 ms
Loss rate: 6.72%
-- Flow 1:
Average throughput: 619.65 Mbit/s
95th percentile per-packet one-way delay: 185.859 ms
Loss rate: 9.06%
-- Flow 2:
Average throughput: 641.98 Mbit/s
95th percentile per-packet one-way delay: 206.746 ms
Loss rate: 4.43%
-- Flow 3:
Average throughput: 553.85 Mbit/s
95th percentile per-packet one-way delay: 145.888 ms
Loss rate: 3.71%
```

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-11 15:36:44

End at: 2018-07-11 15:37:14

Local clock offset: 0.038 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-11 20:30:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 1148.27 Mbit/s

95th percentile per-packet one-way delay: 235.183 ms

Loss rate: 7.54%

-- Flow 1:

Average throughput: 598.19 Mbit/s

95th percentile per-packet one-way delay: 194.847 ms

Loss rate: 8.08%

-- Flow 2:

Average throughput: 613.58 Mbit/s

95th percentile per-packet one-way delay: 280.084 ms

Loss rate: 5.23%

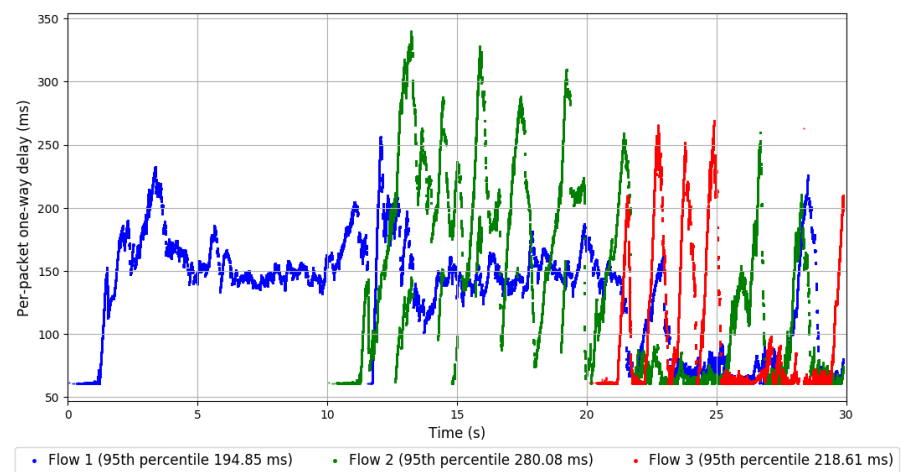
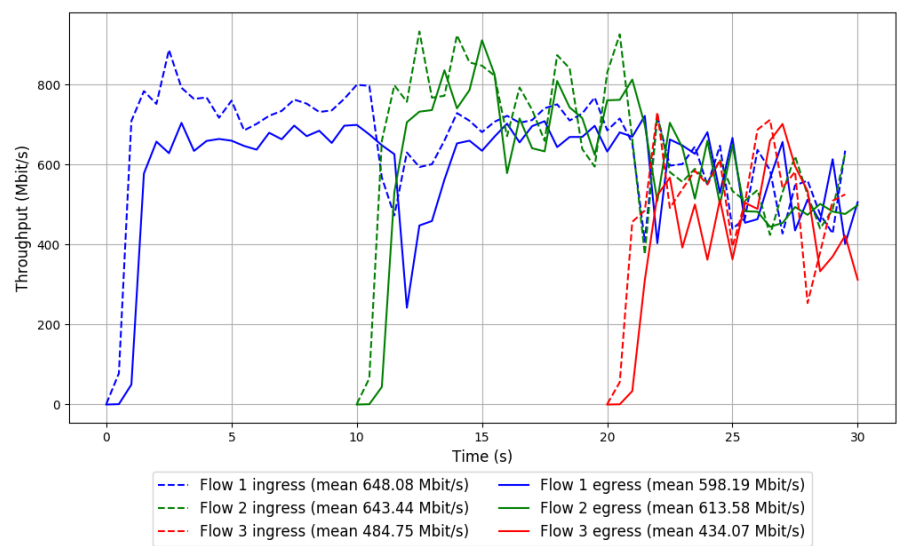
-- Flow 3:

Average throughput: 434.07 Mbit/s

95th percentile per-packet one-way delay: 218.607 ms

Loss rate: 11.57%

Run 3: Report of FillP-Sheep — Data Link

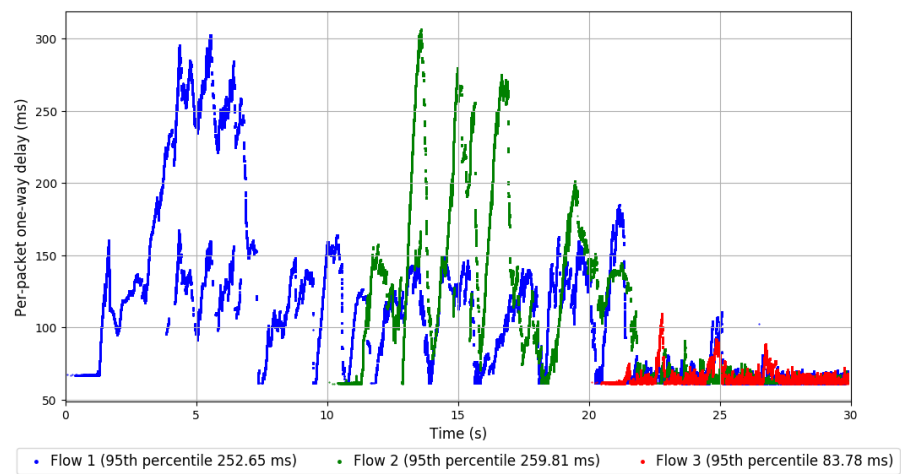
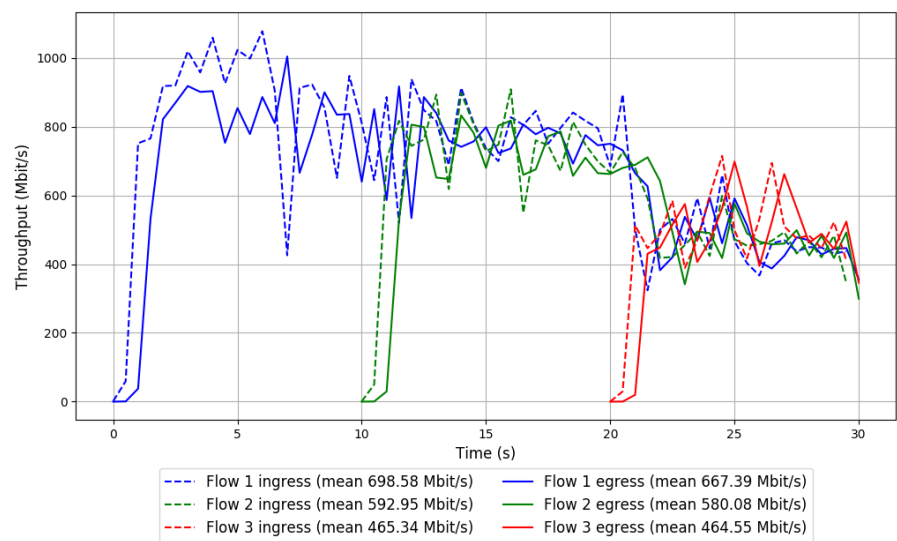


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-11 16:01:46
End at: 2018-07-11 16:02:16
Local clock offset: 0.038 ms
Remote clock offset: -0.443 ms

Below is generated by plot.py at 2018-07-11 20:31:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 1205.23 Mbit/s
95th percentile per-packet one-way delay: 250.667 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 667.39 Mbit/s
95th percentile per-packet one-way delay: 252.651 ms
Loss rate: 4.88%
-- Flow 2:
Average throughput: 580.08 Mbit/s
95th percentile per-packet one-way delay: 259.813 ms
Loss rate: 2.72%
-- Flow 3:
Average throughput: 464.55 Mbit/s
95th percentile per-packet one-way delay: 83.776 ms
Loss rate: 1.36%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-11 16:26:59

End at: 2018-07-11 16:27:29

Local clock offset: -0.005 ms

Remote clock offset: 1.128 ms

Below is generated by plot.py at 2018-07-11 20:31:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 892.69 Mbit/s

95th percentile per-packet one-way delay: 287.551 ms

Loss rate: 12.11%

-- Flow 1:

Average throughput: 270.07 Mbit/s

95th percentile per-packet one-way delay: 300.485 ms

Loss rate: 12.19%

-- Flow 2:

Average throughput: 628.57 Mbit/s

95th percentile per-packet one-way delay: 276.703 ms

Loss rate: 14.22%

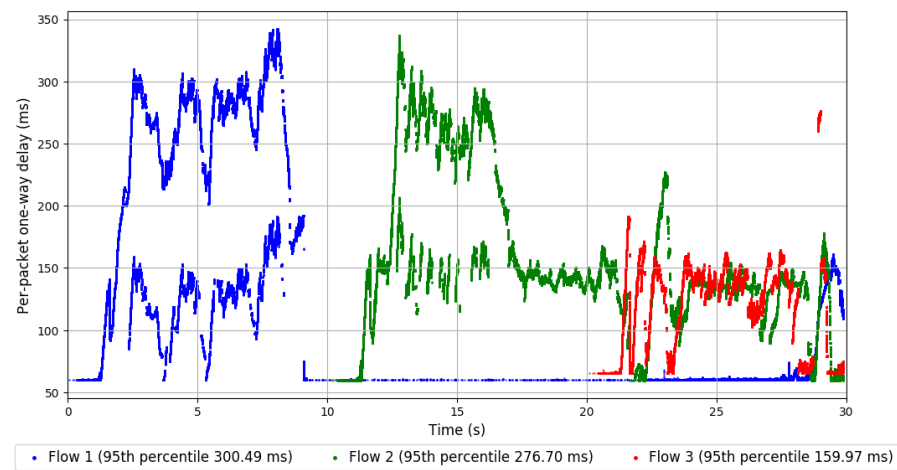
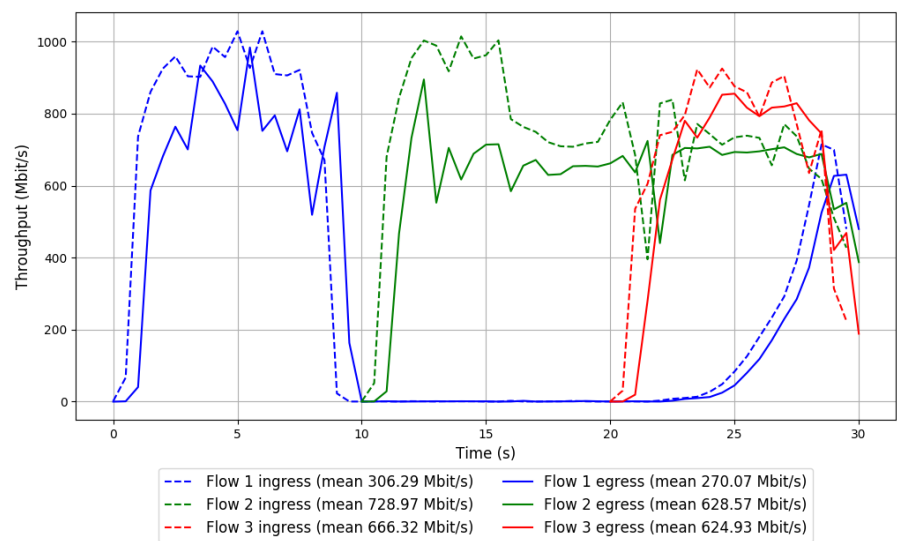
-- Flow 3:

Average throughput: 624.93 Mbit/s

95th percentile per-packet one-way delay: 159.972 ms

Loss rate: 7.36%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-11 16:52:10

End at: 2018-07-11 16:52:40

Local clock offset: -0.013 ms

Remote clock offset: 1.386 ms

Below is generated by plot.py at 2018-07-11 20:33:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 1107.28 Mbit/s

95th percentile per-packet one-way delay: 231.705 ms

Loss rate: 3.48%

-- Flow 1:

Average throughput: 589.10 Mbit/s

95th percentile per-packet one-way delay: 243.536 ms

Loss rate: 5.22%

-- Flow 2:

Average throughput: 552.48 Mbit/s

95th percentile per-packet one-way delay: 142.827 ms

Loss rate: 1.53%

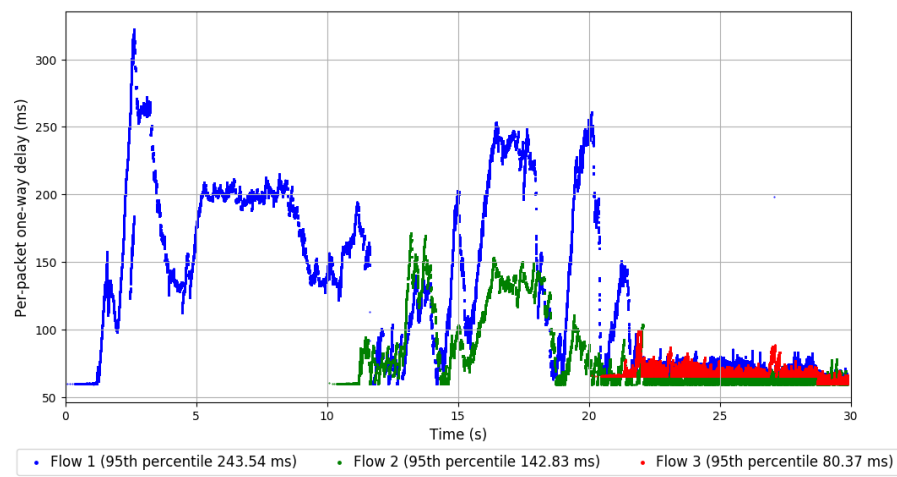
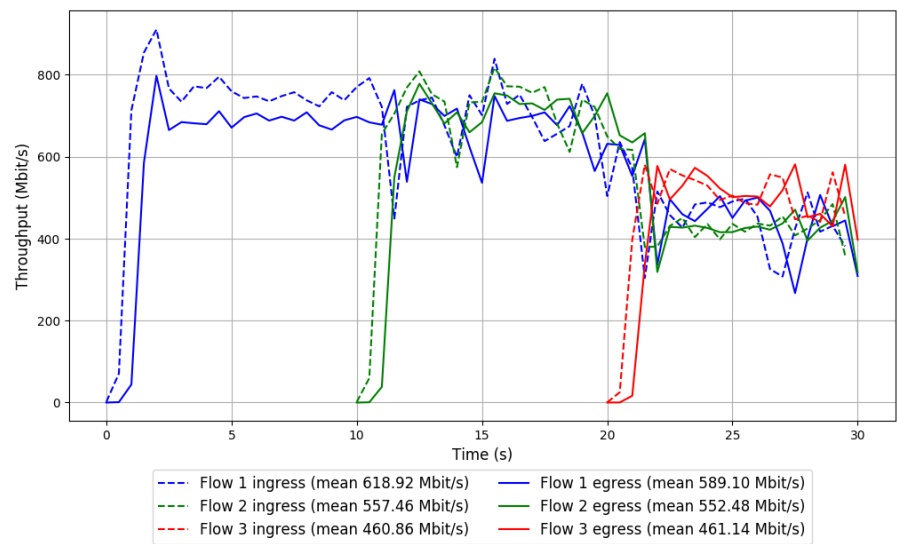
-- Flow 3:

Average throughput: 461.14 Mbit/s

95th percentile per-packet one-way delay: 80.367 ms

Loss rate: 1.19%

Run 6: Report of FillP-Sheep — Data Link

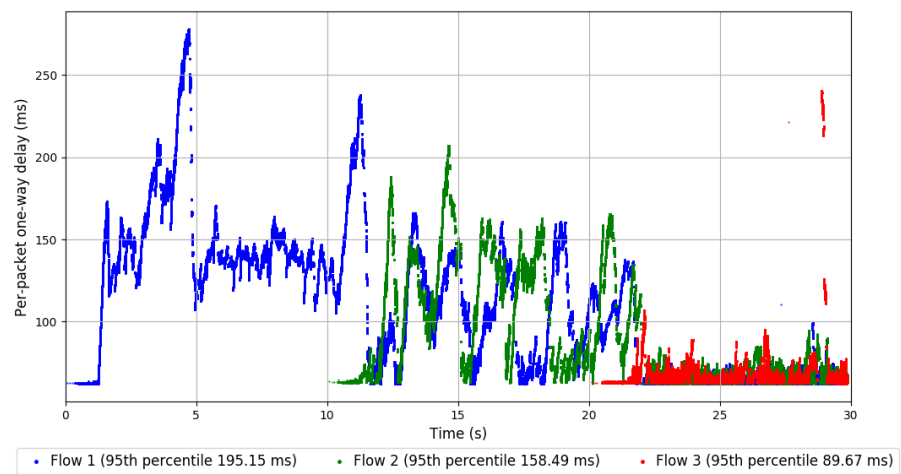
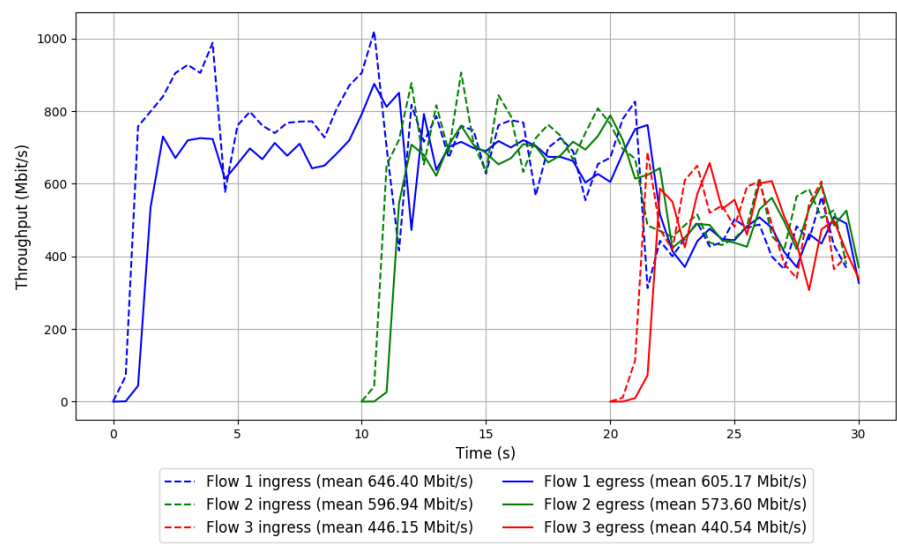


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-11 17:17:50
End at: 2018-07-11 17:18:20
Local clock offset: 0.016 ms
Remote clock offset: -1.285 ms

Below is generated by plot.py at 2018-07-11 20:53:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 1130.54 Mbit/s
95th percentile per-packet one-way delay: 177.404 ms
Loss rate: 5.46%
-- Flow 1:
Average throughput: 605.17 Mbit/s
95th percentile per-packet one-way delay: 195.154 ms
Loss rate: 6.71%
-- Flow 2:
Average throughput: 573.60 Mbit/s
95th percentile per-packet one-way delay: 158.493 ms
Loss rate: 4.51%
-- Flow 3:
Average throughput: 440.54 Mbit/s
95th percentile per-packet one-way delay: 89.672 ms
Loss rate: 2.53%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-11 17:43:05

End at: 2018-07-11 17:43:35

Local clock offset: 0.002 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-11 20:55:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 1199.34 Mbit/s

95th percentile per-packet one-way delay: 176.911 ms

Loss rate: 5.91%

-- Flow 1:

Average throughput: 669.67 Mbit/s

95th percentile per-packet one-way delay: 181.996 ms

Loss rate: 4.71%

-- Flow 2:

Average throughput: 530.77 Mbit/s

95th percentile per-packet one-way delay: 172.723 ms

Loss rate: 9.45%

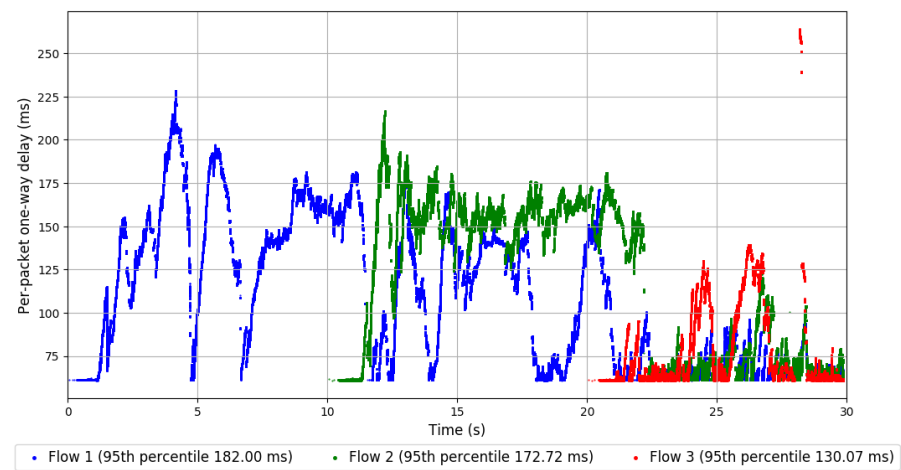
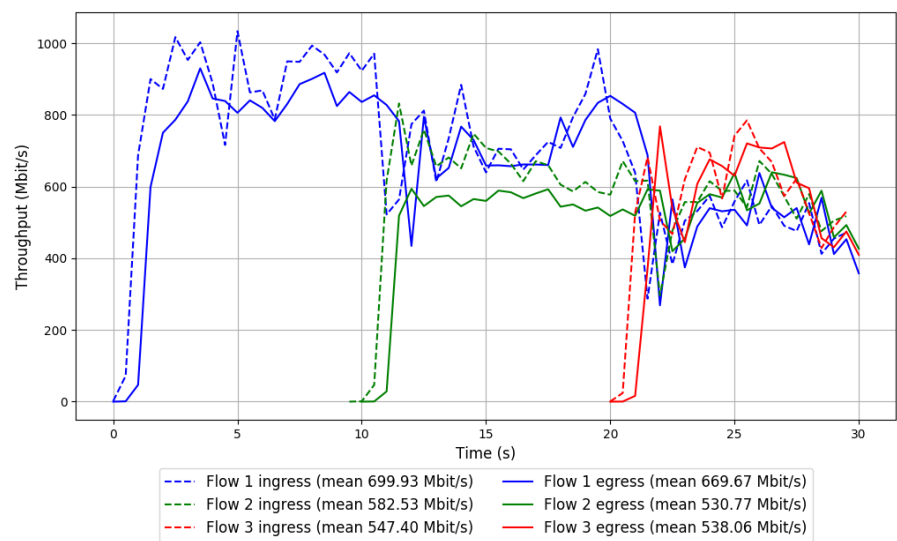
-- Flow 3:

Average throughput: 538.06 Mbit/s

95th percentile per-packet one-way delay: 130.070 ms

Loss rate: 2.94%

Run 8: Report of FillP-Sheep — Data Link

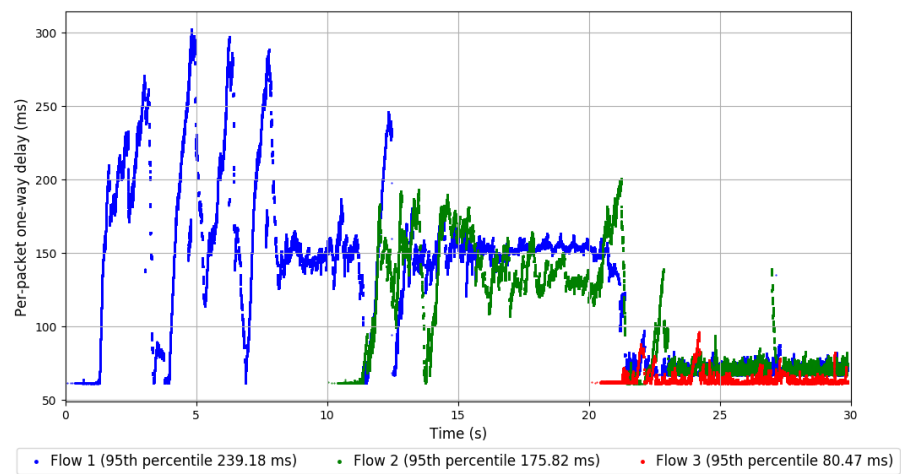
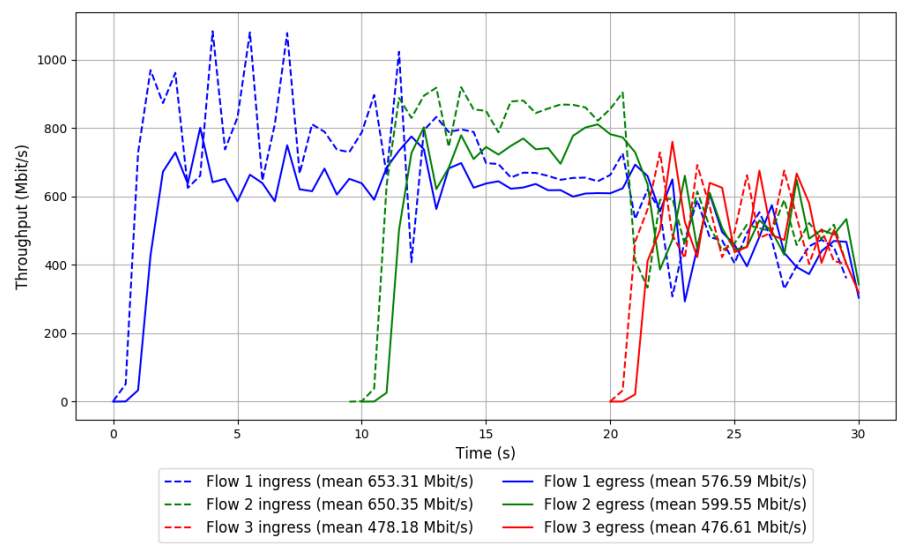


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-11 18:07:57
End at: 2018-07-11 18:08:27
Local clock offset: -0.037 ms
Remote clock offset: -0.544 ms

Below is generated by plot.py at 2018-07-11 20:56:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 1131.16 Mbit/s
95th percentile per-packet one-way delay: 212.609 ms
Loss rate: 9.44%
-- Flow 1:
Average throughput: 576.59 Mbit/s
95th percentile per-packet one-way delay: 239.178 ms
Loss rate: 12.11%
-- Flow 2:
Average throughput: 599.55 Mbit/s
95th percentile per-packet one-way delay: 175.821 ms
Loss rate: 8.31%
-- Flow 3:
Average throughput: 476.61 Mbit/s
95th percentile per-packet one-way delay: 80.470 ms
Loss rate: 1.51%

Run 9: Report of FillP-Sheep — Data Link

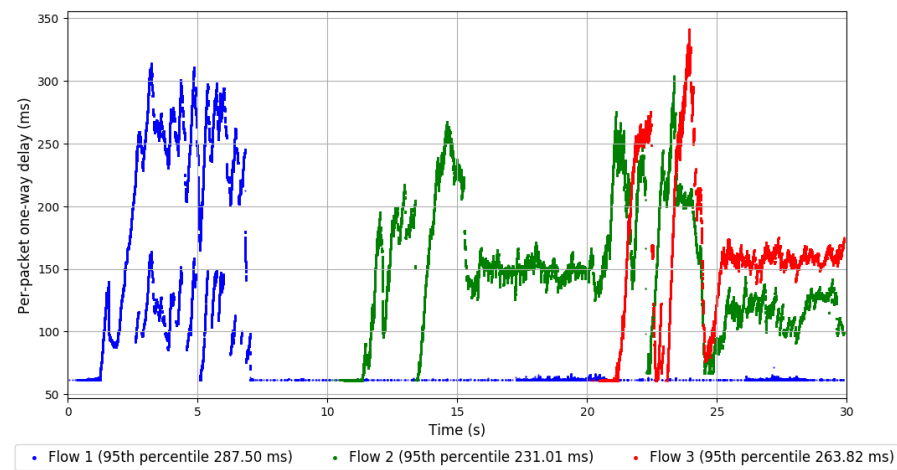
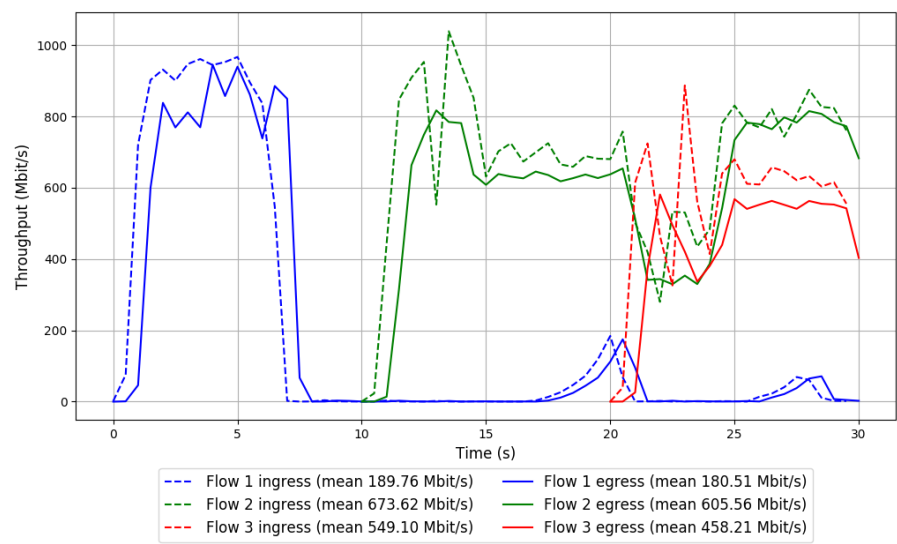


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-11 18:33:14
End at: 2018-07-11 18:33:44
Local clock offset: -0.029 ms
Remote clock offset: -0.241 ms

Below is generated by plot.py at 2018-07-11 20:56:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 733.20 Mbit/s
95th percentile per-packet one-way delay: 267.270 ms
Loss rate: 10.96%
-- Flow 1:
Average throughput: 180.51 Mbit/s
95th percentile per-packet one-way delay: 287.504 ms
Loss rate: 5.34%
-- Flow 2:
Average throughput: 605.56 Mbit/s
95th percentile per-packet one-way delay: 231.010 ms
Loss rate: 10.66%
-- Flow 3:
Average throughput: 458.21 Mbit/s
95th percentile per-packet one-way delay: 263.825 ms
Loss rate: 17.58%

Run 10: Report of FillP-Sheep — Data Link

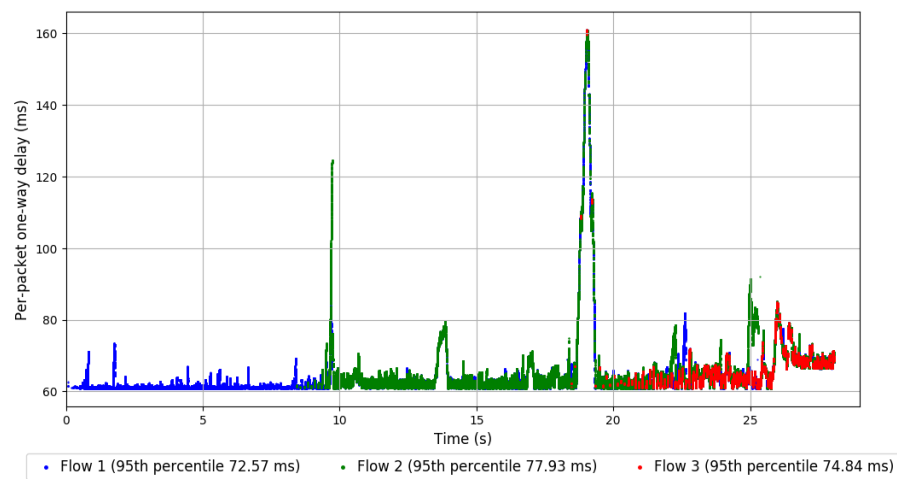
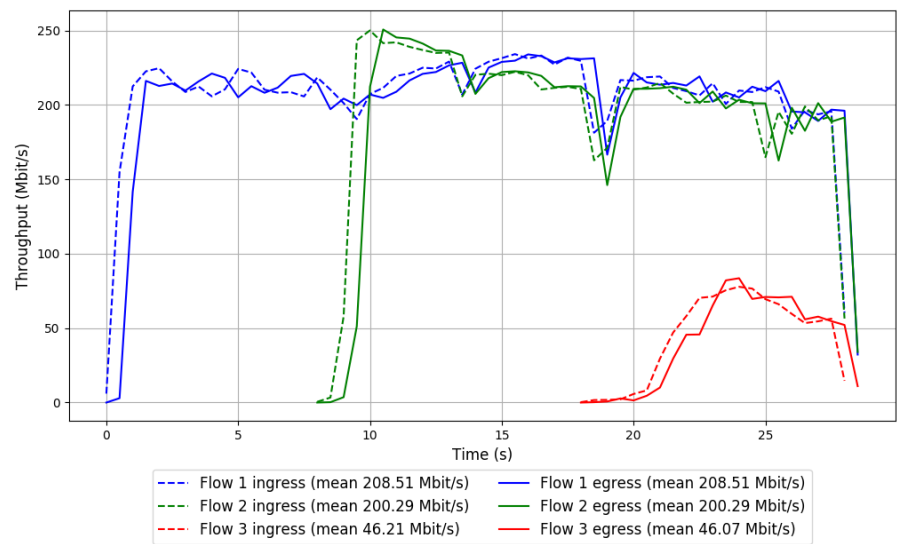


```
Run 1: Statistics of Indigo

Start at: 2018-07-11 14:50:11
End at: 2018-07-11 14:50:41
Local clock offset: 0.051 ms
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2018-07-11 20:56:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 364.75 Mbit/s
95th percentile per-packet one-way delay: 75.461 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 208.51 Mbit/s
95th percentile per-packet one-way delay: 72.570 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 200.29 Mbit/s
95th percentile per-packet one-way delay: 77.930 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 46.07 Mbit/s
95th percentile per-packet one-way delay: 74.843 ms
Loss rate: 1.63%
```

Run 1: Report of Indigo — Data Link

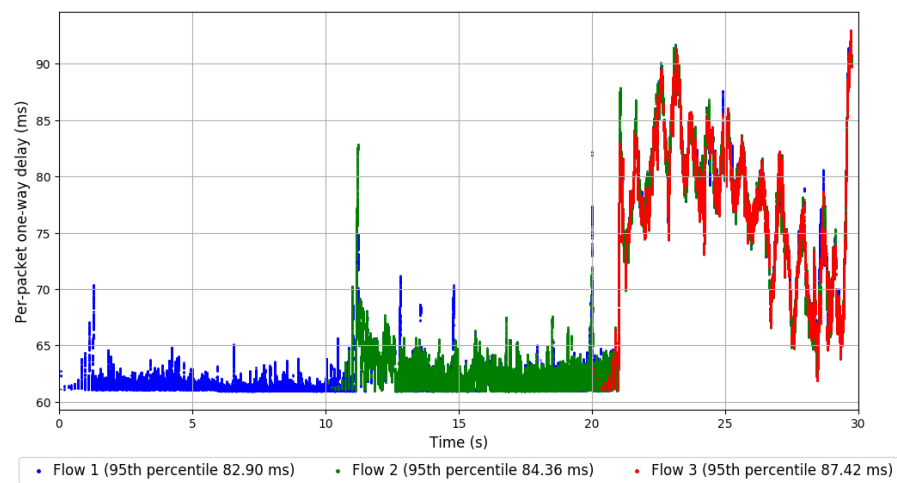
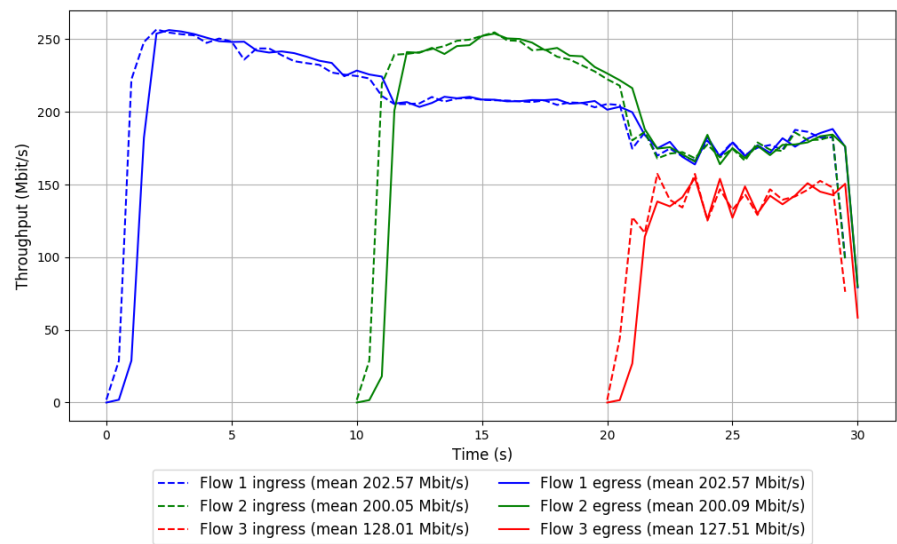


Run 2: Statistics of Indigo

Start at: 2018-07-11 15:15:03
End at: 2018-07-11 15:15:33
Local clock offset: 0.055 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-11 20:56:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 376.57 Mbit/s
95th percentile per-packet one-way delay: 84.176 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 202.57 Mbit/s
95th percentile per-packet one-way delay: 82.903 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 200.09 Mbit/s
95th percentile per-packet one-way delay: 84.360 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 127.51 Mbit/s
95th percentile per-packet one-way delay: 87.421 ms
Loss rate: 1.60%

Run 2: Report of Indigo — Data Link

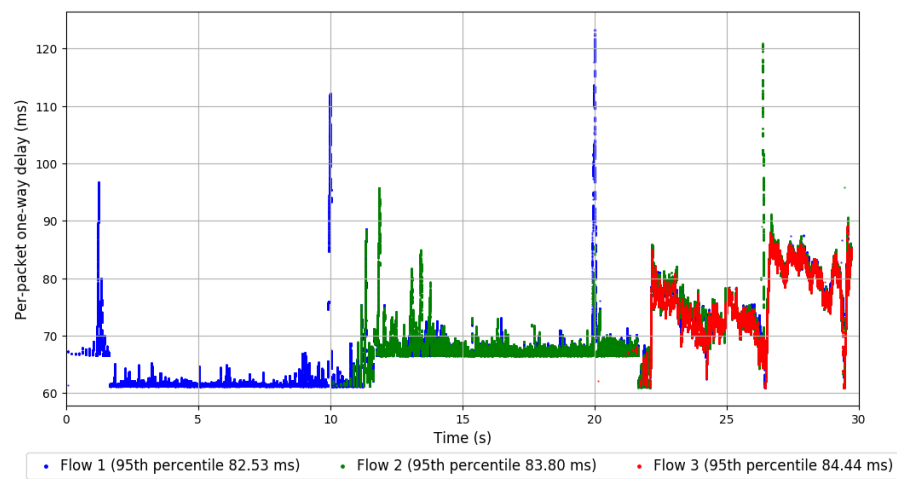
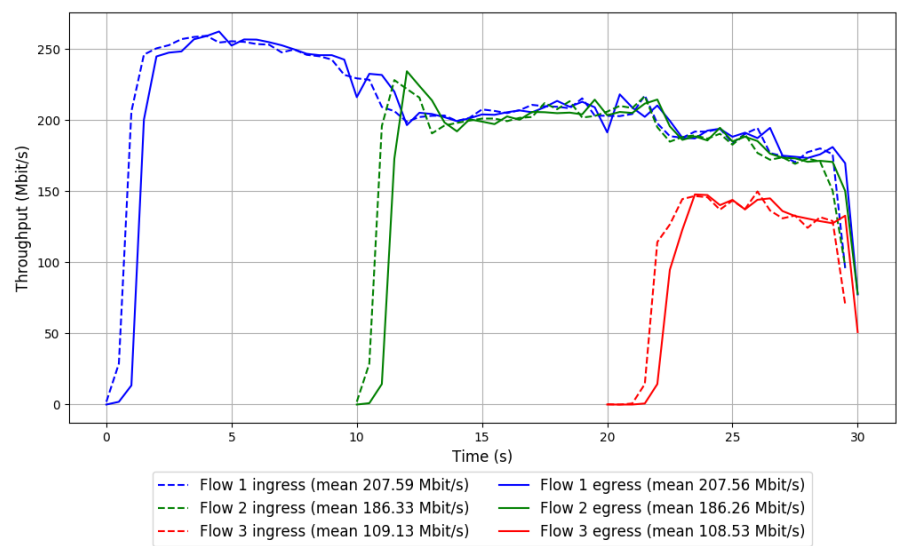


Run 3: Statistics of Indigo

Start at: 2018-07-11 15:40:17
End at: 2018-07-11 15:40:47
Local clock offset: 0.059 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-11 20:56:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 365.80 Mbit/s
95th percentile per-packet one-way delay: 83.492 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 207.56 Mbit/s
95th percentile per-packet one-way delay: 82.531 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 186.26 Mbit/s
95th percentile per-packet one-way delay: 83.800 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 108.53 Mbit/s
95th percentile per-packet one-way delay: 84.437 ms
Loss rate: 1.85%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-11 16:05:22

End at: 2018-07-11 16:05:52

Local clock offset: 0.058 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-11 20:56:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 365.30 Mbit/s

95th percentile per-packet one-way delay: 88.563 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 198.24 Mbit/s

95th percentile per-packet one-way delay: 87.393 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 190.36 Mbit/s

95th percentile per-packet one-way delay: 88.983 ms

Loss rate: 0.64%

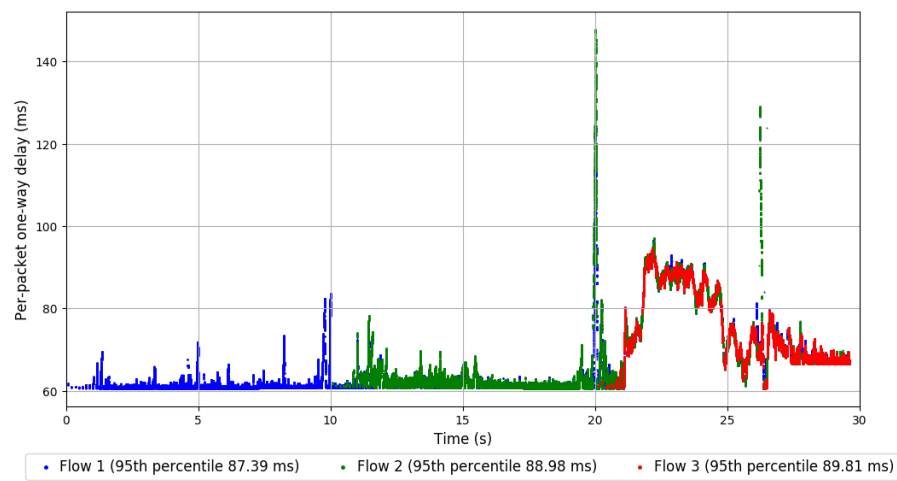
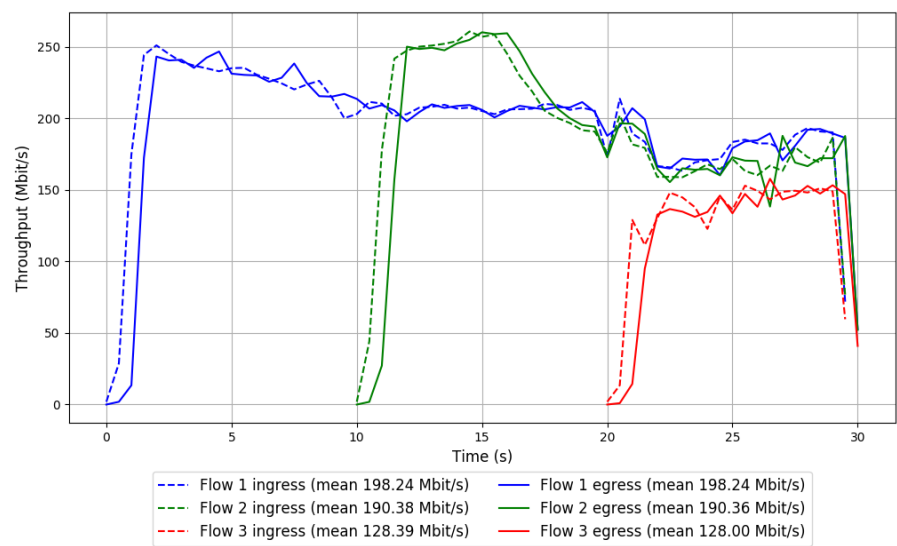
-- Flow 3:

Average throughput: 128.00 Mbit/s

95th percentile per-packet one-way delay: 89.809 ms

Loss rate: 1.57%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-11 16:30:20

End at: 2018-07-11 16:30:50

Local clock offset: -0.009 ms

Remote clock offset: 0.206 ms

Below is generated by plot.py at 2018-07-11 20:56:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 381.12 Mbit/s

95th percentile per-packet one-way delay: 81.611 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 206.06 Mbit/s

95th percentile per-packet one-way delay: 79.363 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 202.49 Mbit/s

95th percentile per-packet one-way delay: 82.135 ms

Loss rate: 0.61%

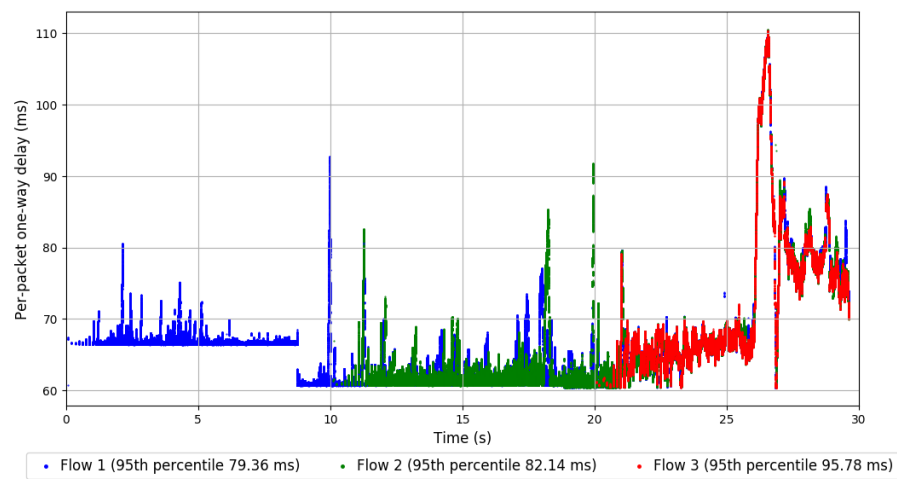
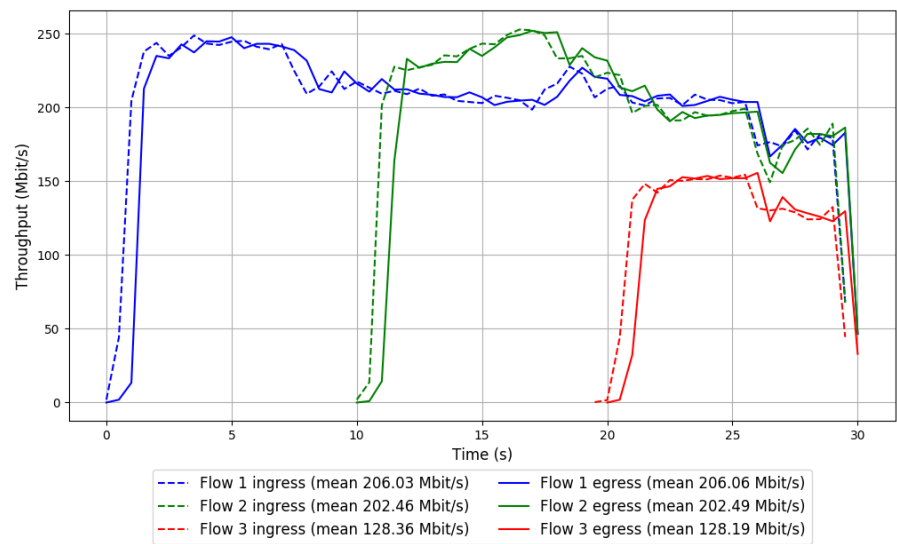
-- Flow 3:

Average throughput: 128.19 Mbit/s

95th percentile per-packet one-way delay: 95.778 ms

Loss rate: 1.40%

Run 5: Report of Indigo — Data Link

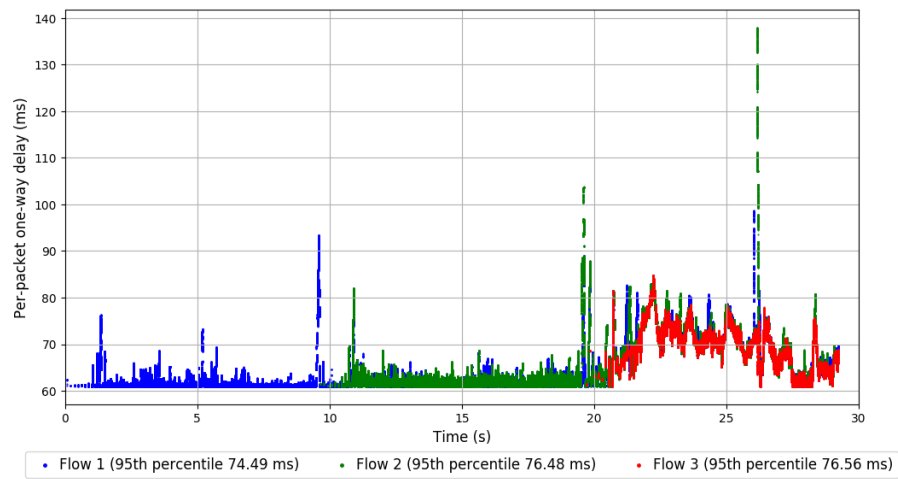
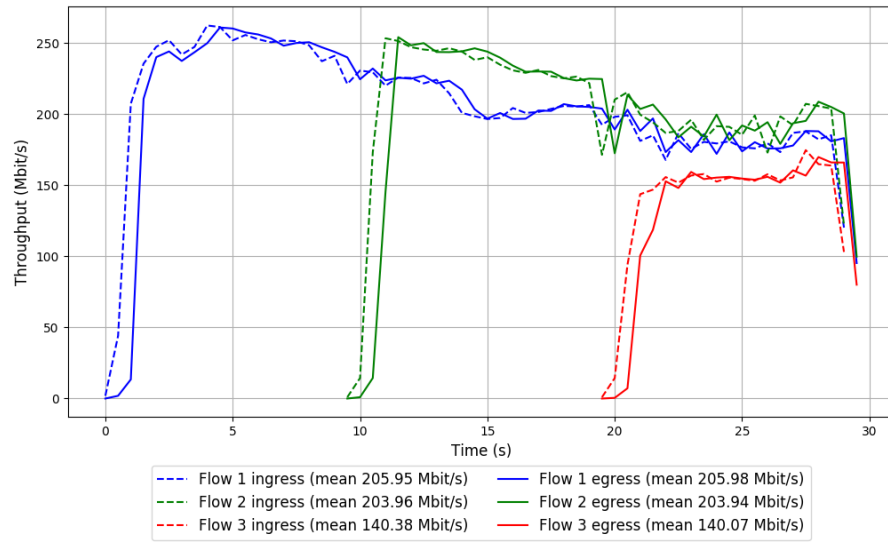


Run 6: Statistics of Indigo

Start at: 2018-07-11 16:55:44
End at: 2018-07-11 16:56:14
Local clock offset: -0.011 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-11 20:56:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 388.58 Mbit/s
95th percentile per-packet one-way delay: 75.680 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 205.98 Mbit/s
95th percentile per-packet one-way delay: 74.494 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 203.94 Mbit/s
95th percentile per-packet one-way delay: 76.477 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 140.07 Mbit/s
95th percentile per-packet one-way delay: 76.555 ms
Loss rate: 1.57%

Run 6: Report of Indigo — Data Link

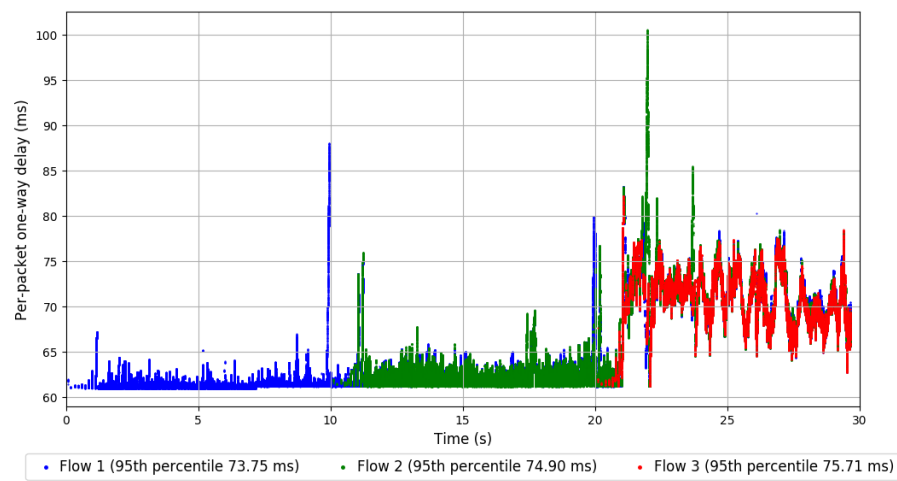
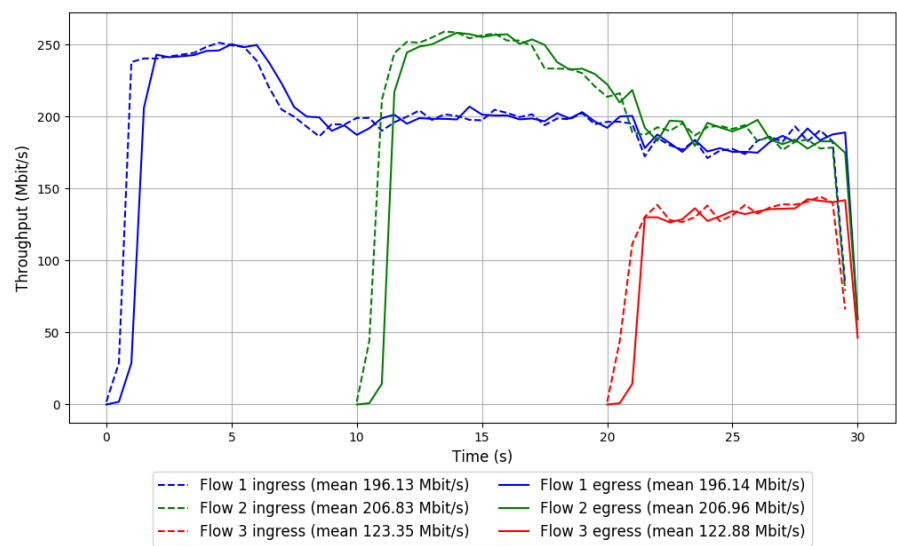


Run 7: Statistics of Indigo

Start at: 2018-07-11 17:21:22
End at: 2018-07-11 17:21:52
Local clock offset: 0.004 ms
Remote clock offset: -0.248 ms

Below is generated by plot.py at 2018-07-11 20:56:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 372.56 Mbit/s
95th percentile per-packet one-way delay: 74.607 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 196.14 Mbit/s
95th percentile per-packet one-way delay: 73.750 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 206.96 Mbit/s
95th percentile per-packet one-way delay: 74.896 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 122.88 Mbit/s
95th percentile per-packet one-way delay: 75.707 ms
Loss rate: 1.65%

Run 7: Report of Indigo — Data Link

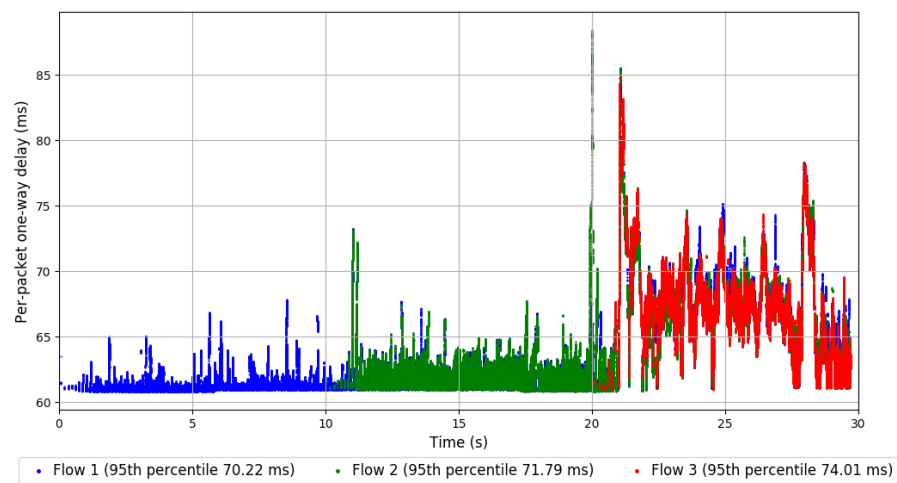
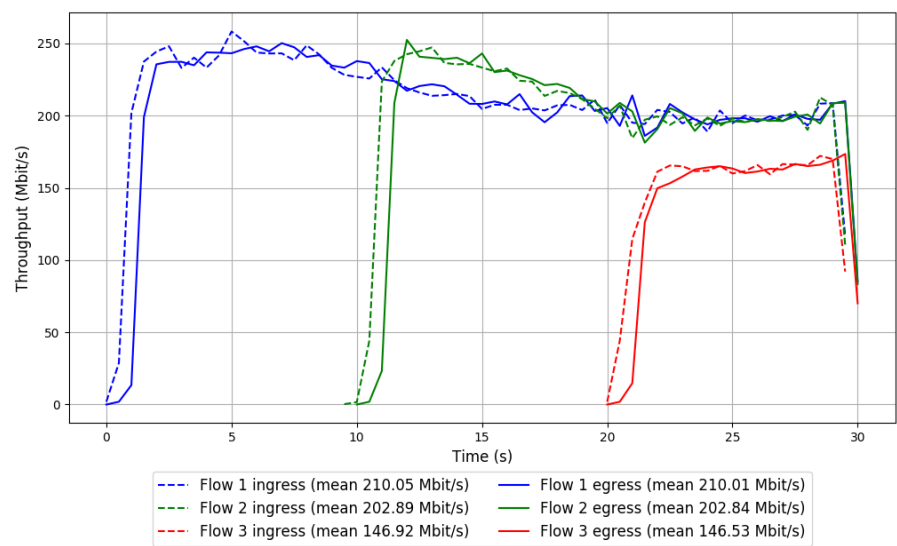


Run 8: Statistics of Indigo

Start at: 2018-07-11 17:46:42
End at: 2018-07-11 17:47:12
Local clock offset: -0.02 ms
Remote clock offset: -0.169 ms

```
# Below is generated by plot.py at 2018-07-11 20:56:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 392.07 Mbit/s
95th percentile per-packet one-way delay: 71.635 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 210.01 Mbit/s
95th percentile per-packet one-way delay: 70.225 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 202.84 Mbit/s
95th percentile per-packet one-way delay: 71.788 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 146.53 Mbit/s
95th percentile per-packet one-way delay: 74.011 ms
Loss rate: 1.52%
```

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-11 18:11:32

End at: 2018-07-11 18:12:02

Local clock offset: -0.004 ms

Remote clock offset: 0.925 ms

Below is generated by plot.py at 2018-07-11 20:56:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 390.46 Mbit/s

95th percentile per-packet one-way delay: 75.237 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 201.14 Mbit/s

95th percentile per-packet one-way delay: 74.126 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 202.68 Mbit/s

95th percentile per-packet one-way delay: 74.942 ms

Loss rate: 0.64%

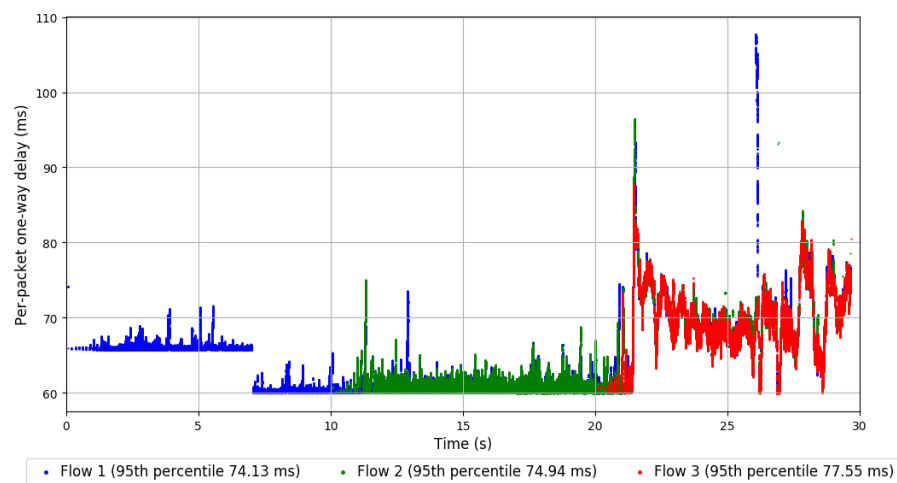
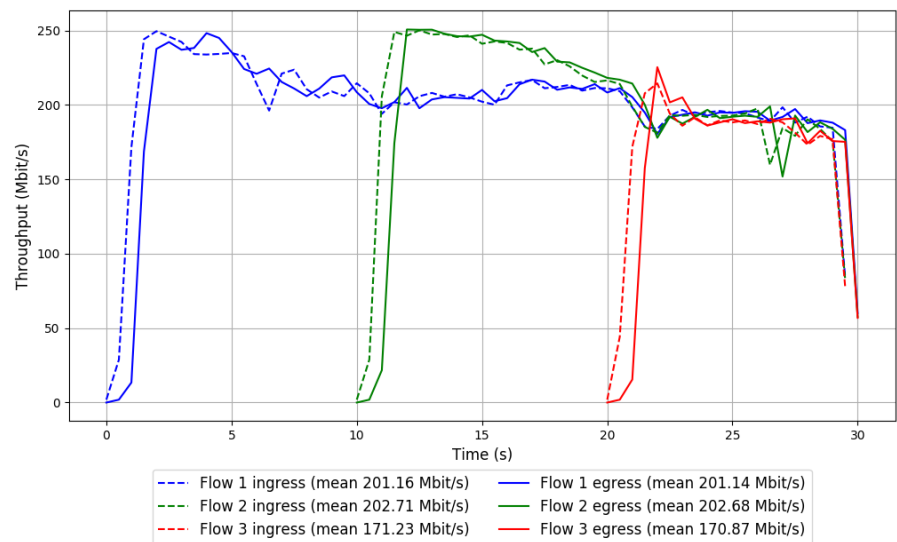
-- Flow 3:

Average throughput: 170.87 Mbit/s

95th percentile per-packet one-way delay: 77.545 ms

Loss rate: 1.41%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-11 18:36:29

End at: 2018-07-11 18:36:59

Local clock offset: -0.078 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-07-11 20:56:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 377.12 Mbit/s

95th percentile per-packet one-way delay: 78.109 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 207.22 Mbit/s

95th percentile per-packet one-way delay: 76.743 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 166.88 Mbit/s

95th percentile per-packet one-way delay: 78.033 ms

Loss rate: 0.59%

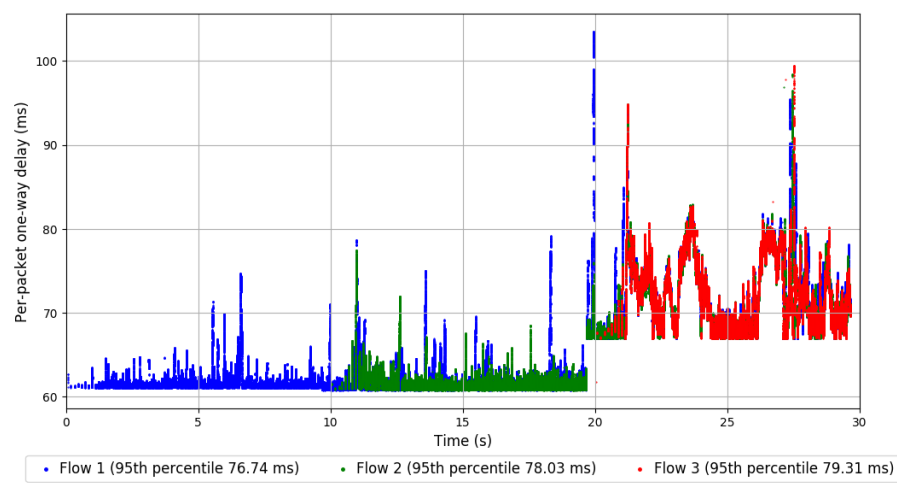
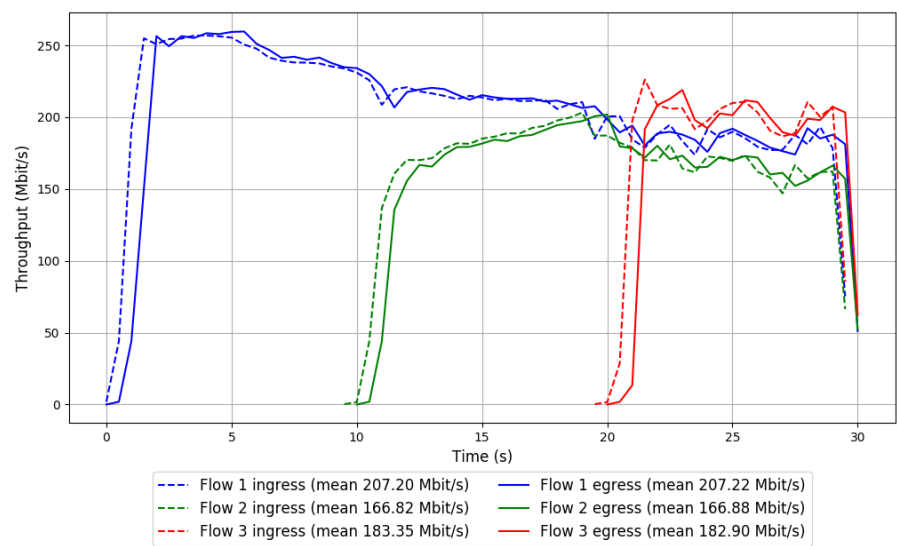
-- Flow 3:

Average throughput: 182.90 Mbit/s

95th percentile per-packet one-way delay: 79.315 ms

Loss rate: 1.51%

Run 10: Report of Indigo — Data Link

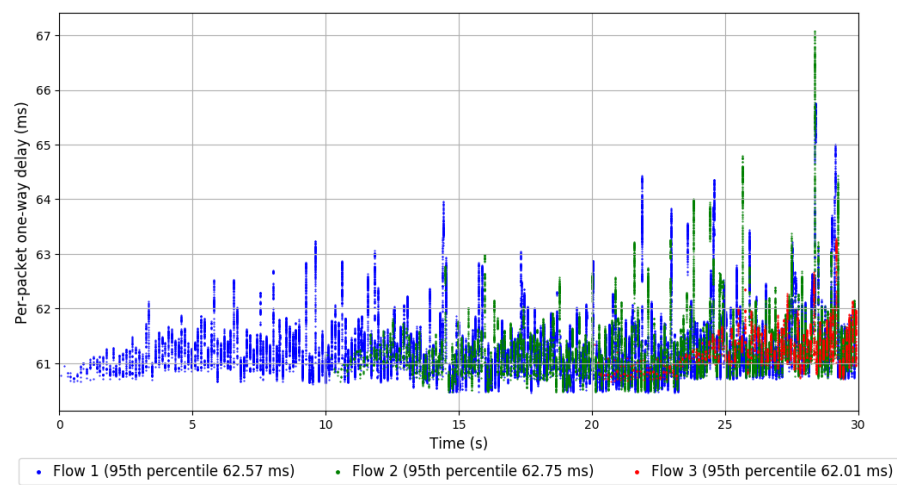
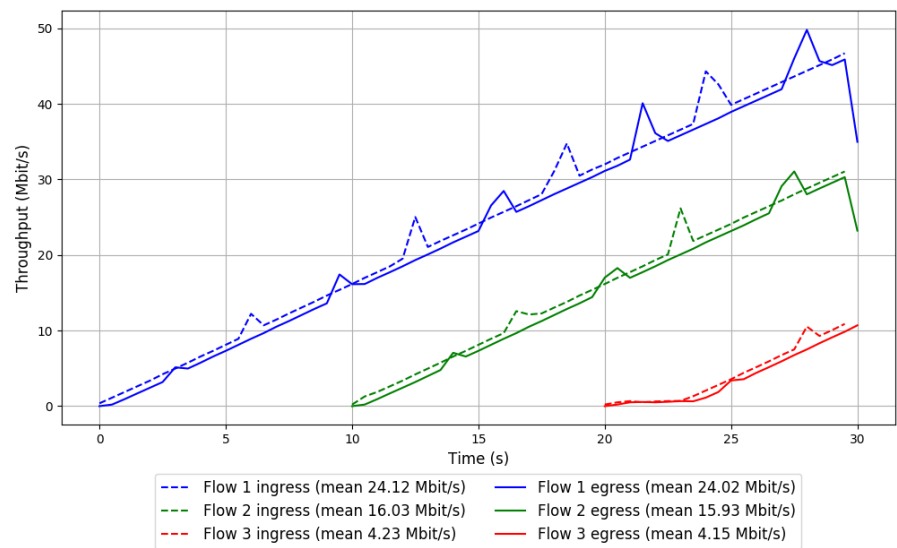


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-11 14:37:06
End at: 2018-07-11 14:37:36
Local clock offset: -0.039 ms
Remote clock offset: 0.063 ms

# Below is generated by plot.py at 2018-07-11 20:56:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 35.89 Mbit/s
95th percentile per-packet one-way delay: 62.599 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 62.566 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 15.93 Mbit/s
95th percentile per-packet one-way delay: 62.746 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 62.007 ms
Loss rate: 3.32%
```


Run 1: Report of LEDBAT — Data Link

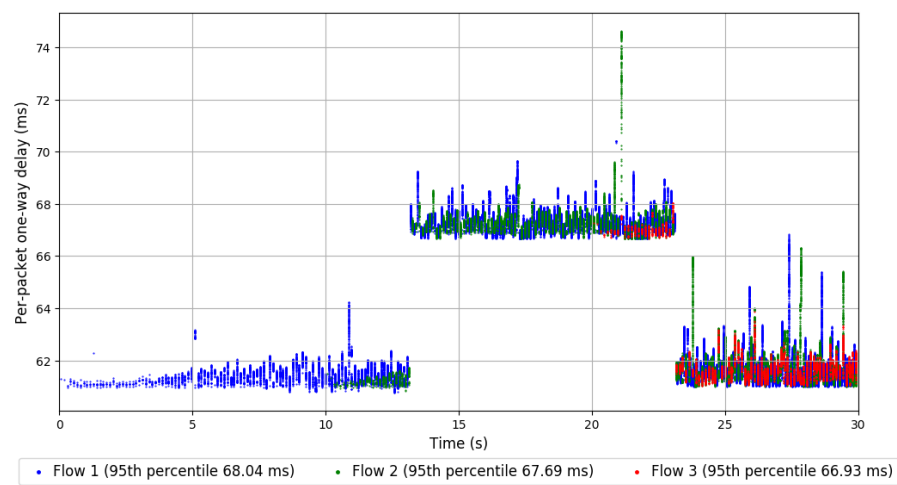
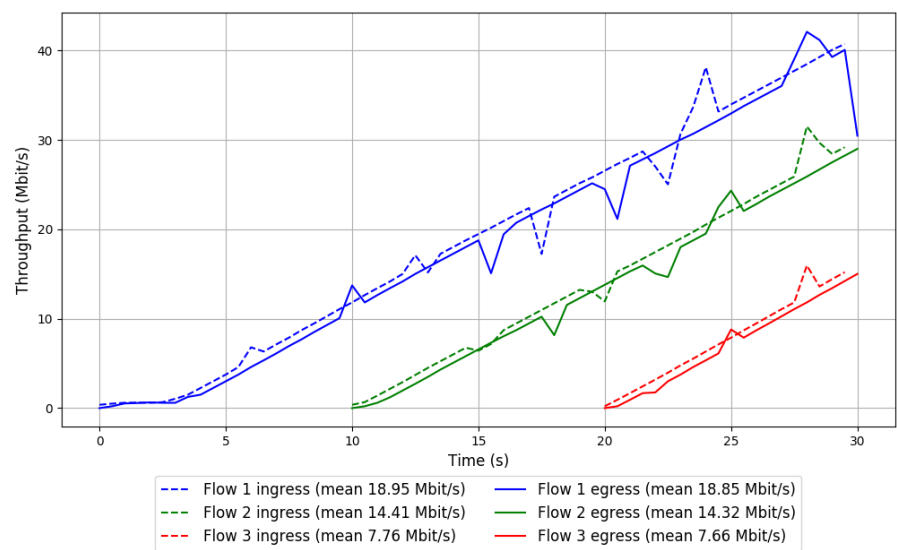


Run 2: Statistics of LEDBAT

Start at: 2018-07-11 15:02:06
End at: 2018-07-11 15:02:36
Local clock offset: -0.004 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2018-07-11 20:56:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.85 Mbit/s
95th percentile per-packet one-way delay: 67.884 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 18.85 Mbit/s
95th percentile per-packet one-way delay: 68.036 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 14.32 Mbit/s
95th percentile per-packet one-way delay: 67.686 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 7.66 Mbit/s
95th percentile per-packet one-way delay: 66.927 ms
Loss rate: 2.50%

Run 2: Report of LEDBAT — Data Link

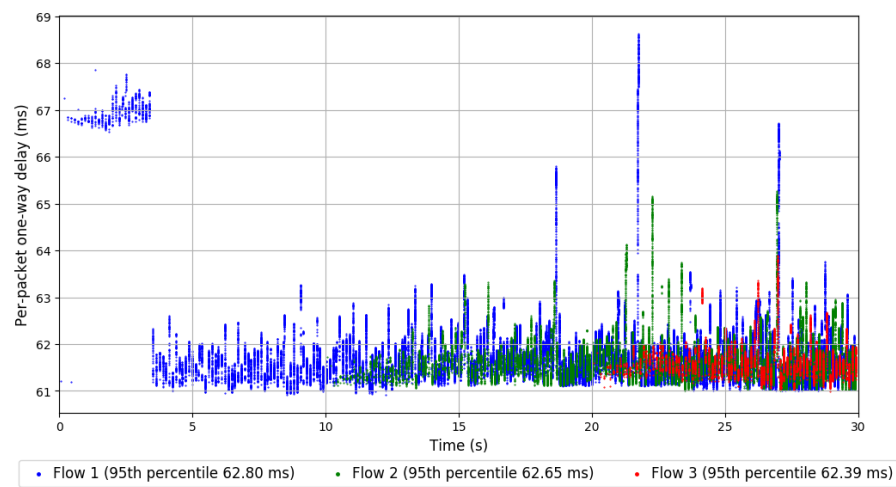
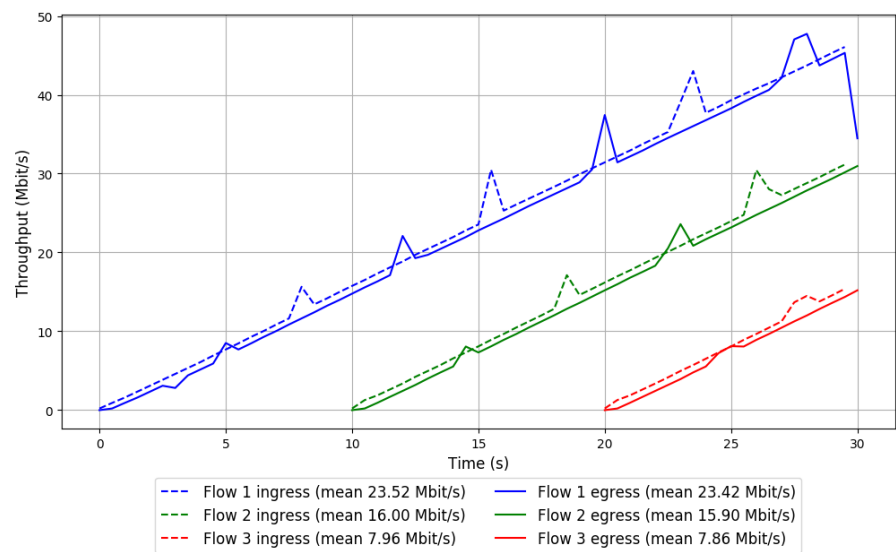


Run 3: Statistics of LEDBAT

Start at: 2018-07-11 15:27:06
End at: 2018-07-11 15:27:36
Local clock offset: 0.043 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-11 20:56:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.52 Mbit/s
95th percentile per-packet one-way delay: 62.722 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 23.42 Mbit/s
95th percentile per-packet one-way delay: 62.796 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 15.90 Mbit/s
95th percentile per-packet one-way delay: 62.654 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 62.392 ms
Loss rate: 2.47%

Run 3: Report of LEDBAT — Data Link

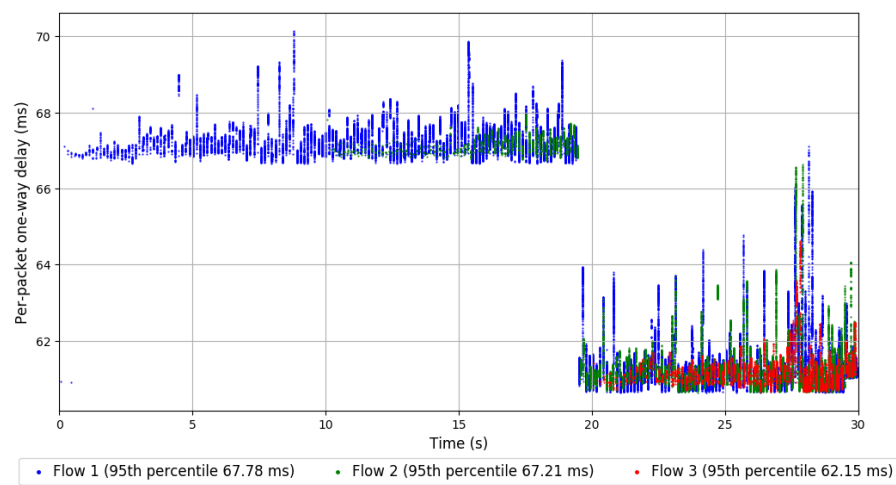
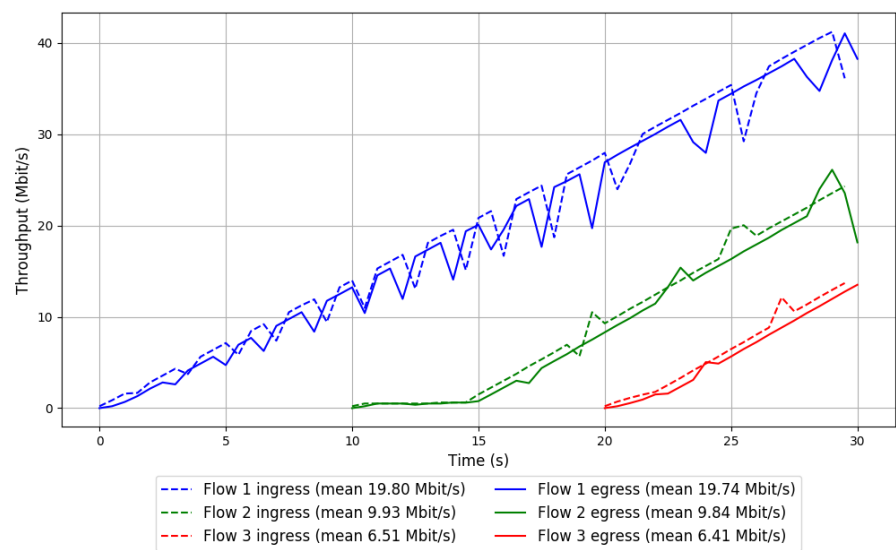


Run 4: Statistics of LEDBAT

Start at: 2018-07-11 15:52:10
End at: 2018-07-11 15:52:40
Local clock offset: 0.009 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-11 20:56:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.37 Mbit/s
95th percentile per-packet one-way delay: 67.642 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 19.74 Mbit/s
95th percentile per-packet one-way delay: 67.778 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 9.84 Mbit/s
95th percentile per-packet one-way delay: 67.210 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 6.41 Mbit/s
95th percentile per-packet one-way delay: 62.153 ms
Loss rate: 2.70%

Run 4: Report of LEDBAT — Data Link

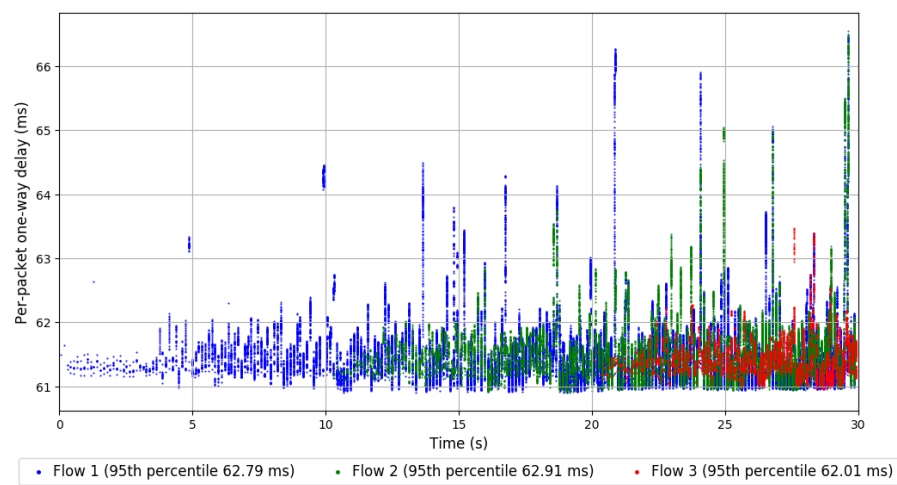
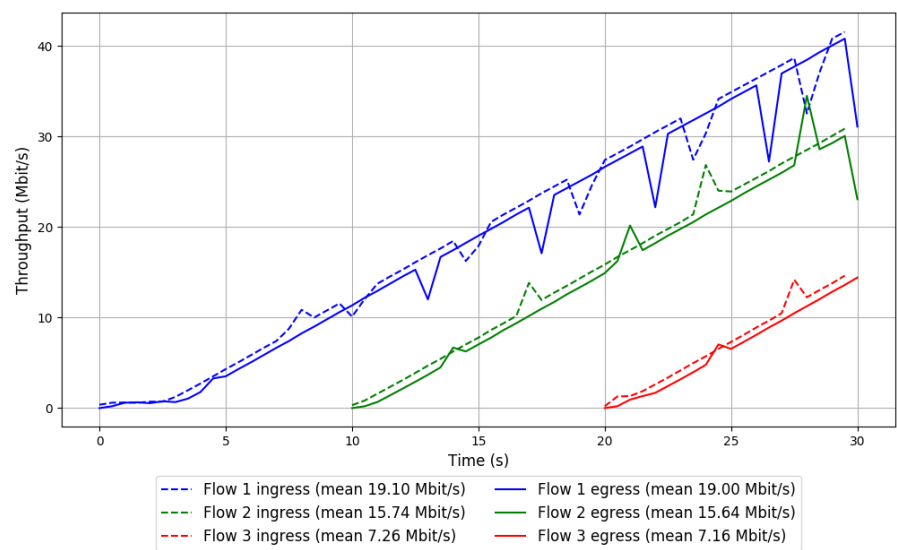


Run 5: Statistics of LEDBAT

Start at: 2018-07-11 16:17:19
End at: 2018-07-11 16:17:49
Local clock offset: -0.012 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-11 20:56:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 62.779 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 19.00 Mbit/s
95th percentile per-packet one-way delay: 62.788 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 15.64 Mbit/s
95th percentile per-packet one-way delay: 62.914 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 7.16 Mbit/s
95th percentile per-packet one-way delay: 62.011 ms
Loss rate: 2.58%

Run 5: Report of LEDBAT — Data Link

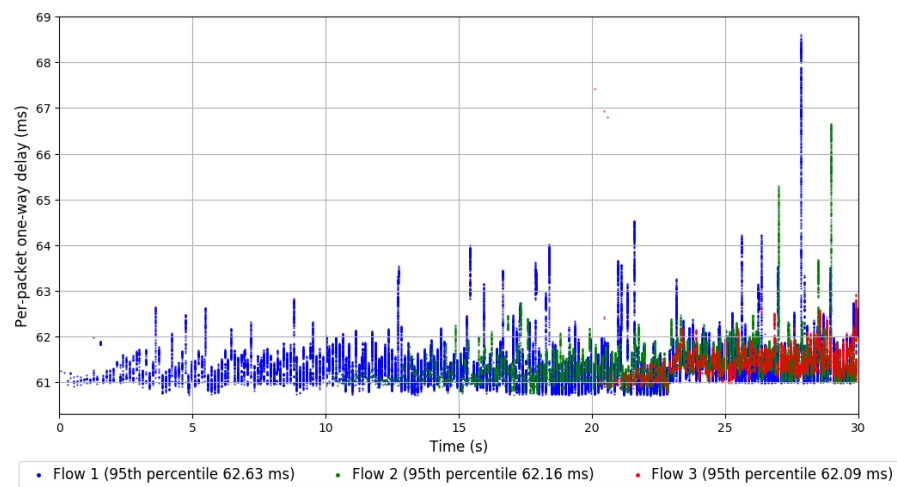
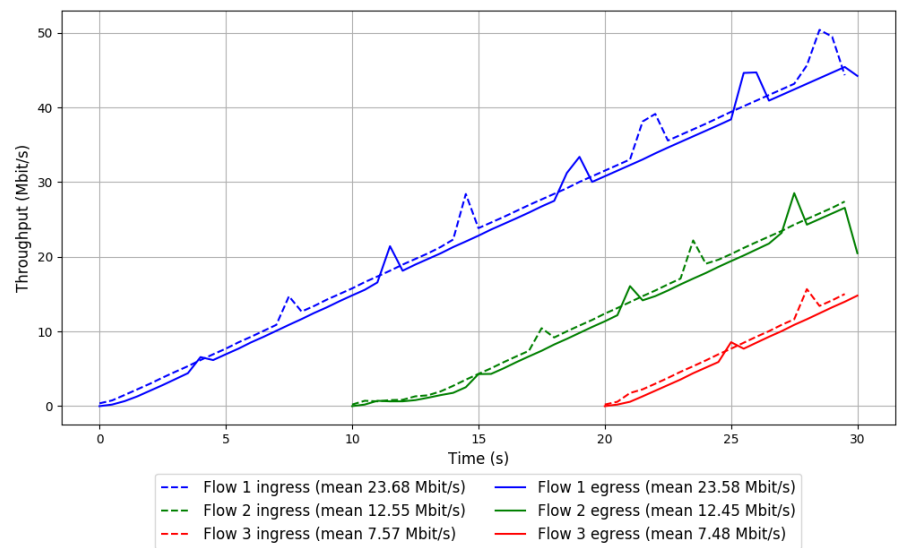


Run 6: Statistics of LEDBAT

Start at: 2018-07-11 16:42:26
End at: 2018-07-11 16:42:56
Local clock offset: 0.011 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-11 20:56:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.27 Mbit/s
95th percentile per-packet one-way delay: 62.461 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 23.58 Mbit/s
95th percentile per-packet one-way delay: 62.631 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 12.45 Mbit/s
95th percentile per-packet one-way delay: 62.156 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 7.48 Mbit/s
95th percentile per-packet one-way delay: 62.086 ms
Loss rate: 2.53%

Run 6: Report of LEDBAT — Data Link

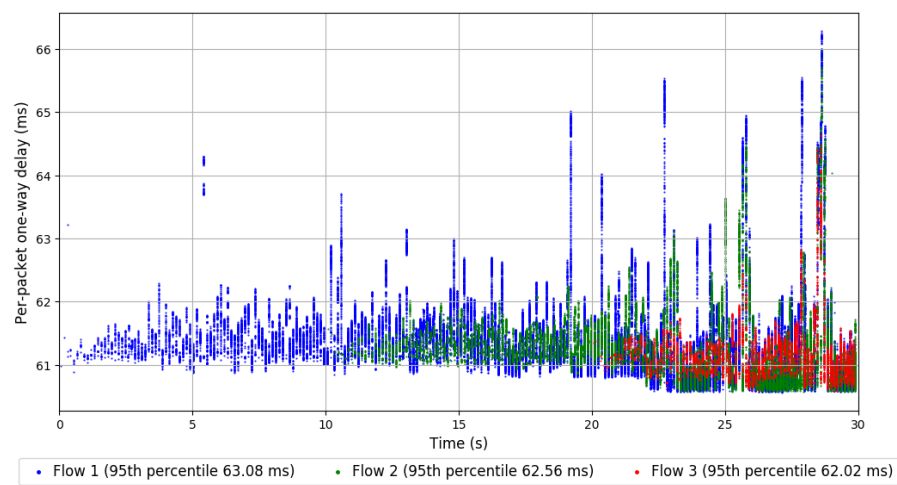
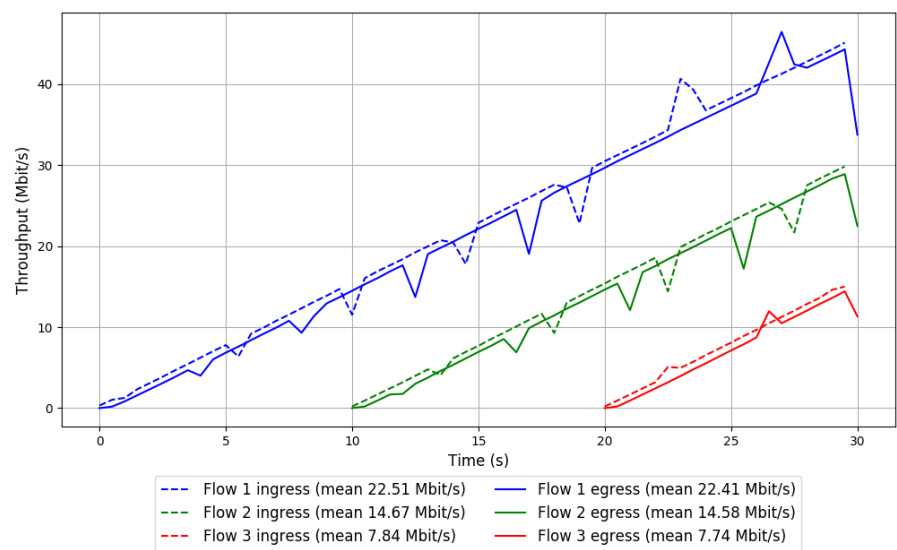


Run 7: Statistics of LEDBAT

Start at: 2018-07-11 17:07:57
End at: 2018-07-11 17:08:27
Local clock offset: -0.045 ms
Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-11 20:56:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.58 Mbit/s
95th percentile per-packet one-way delay: 62.821 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 22.41 Mbit/s
95th percentile per-packet one-way delay: 63.077 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 14.58 Mbit/s
95th percentile per-packet one-way delay: 62.558 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 7.74 Mbit/s
95th percentile per-packet one-way delay: 62.019 ms
Loss rate: 2.50%

Run 7: Report of LEDBAT — Data Link

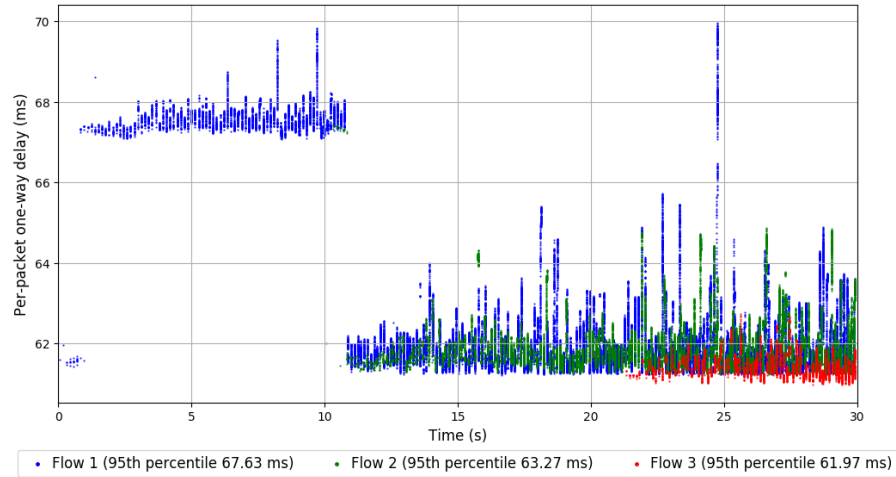
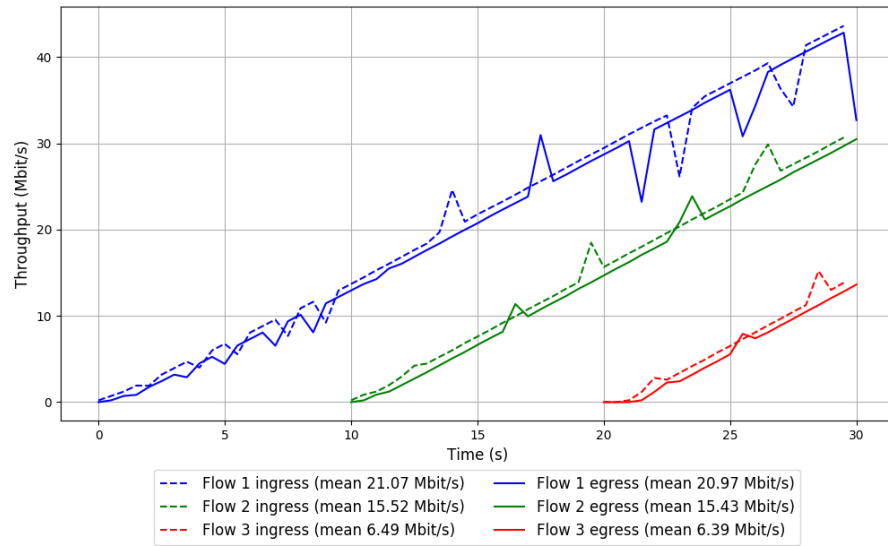


Run 8: Statistics of LEDBAT

Start at: 2018-07-11 17:33:38
End at: 2018-07-11 17:34:08
Local clock offset: 0.026 ms
Remote clock offset: -0.263 ms

Below is generated by plot.py at 2018-07-11 20:56:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.30 Mbit/s
95th percentile per-packet one-way delay: 67.453 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 20.97 Mbit/s
95th percentile per-packet one-way delay: 67.633 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 15.43 Mbit/s
95th percentile per-packet one-way delay: 63.272 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 6.39 Mbit/s
95th percentile per-packet one-way delay: 61.972 ms
Loss rate: 2.75%

Run 8: Report of LEDBAT — Data Link

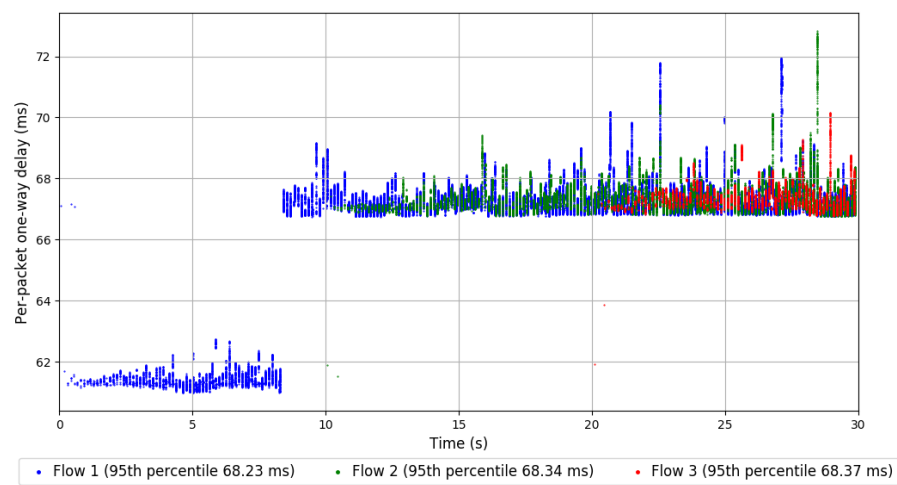
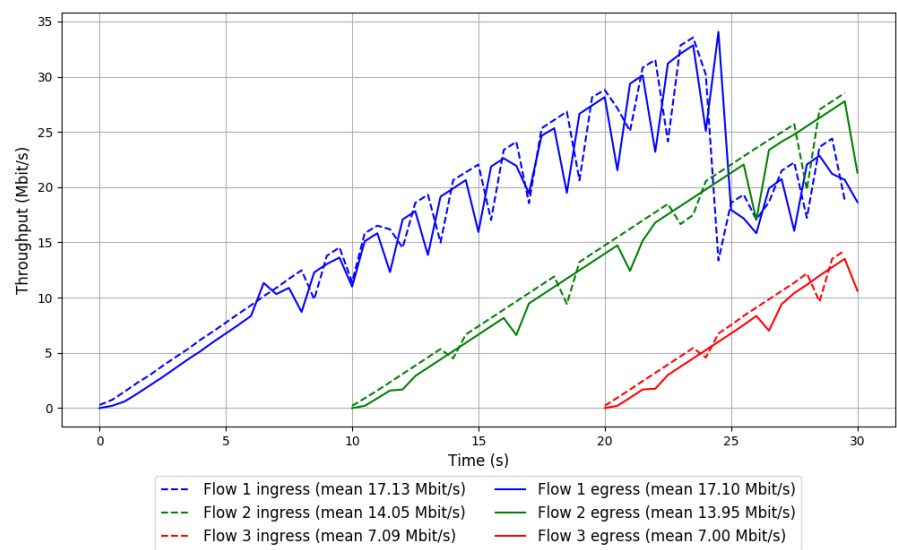


Run 9: Statistics of LEDBAT

Start at: 2018-07-11 17:58:31
End at: 2018-07-11 17:59:01
Local clock offset: 0.034 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-11 20:56:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.63 Mbit/s
95th percentile per-packet one-way delay: 68.282 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 17.10 Mbit/s
95th percentile per-packet one-way delay: 68.230 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 13.95 Mbit/s
95th percentile per-packet one-way delay: 68.344 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 7.00 Mbit/s
95th percentile per-packet one-way delay: 68.367 ms
Loss rate: 2.59%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-11 18:23:40

End at: 2018-07-11 18:24:10

Local clock offset: -0.049 ms

Remote clock offset: 1.165 ms

Below is generated by plot.py at 2018-07-11 20:56:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.00 Mbit/s

95th percentile per-packet one-way delay: 65.373 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 22.94 Mbit/s

95th percentile per-packet one-way delay: 65.725 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 15.88 Mbit/s

95th percentile per-packet one-way delay: 61.196 ms

Loss rate: 1.23%

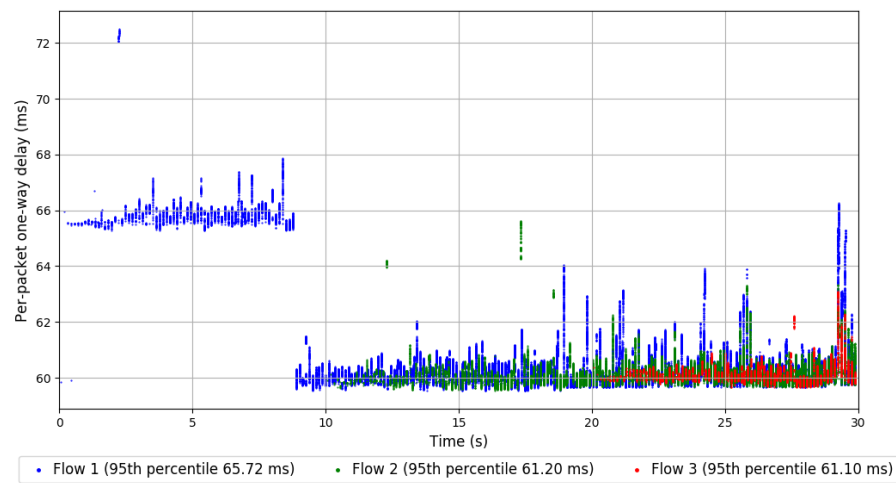
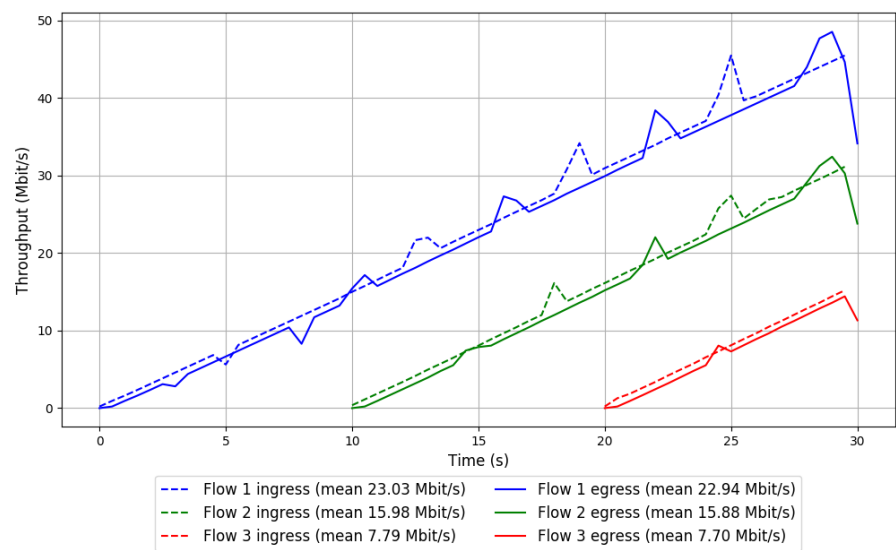
-- Flow 3:

Average throughput: 7.70 Mbit/s

95th percentile per-packet one-way delay: 61.099 ms

Loss rate: 2.50%

Run 10: Report of LEDBAT — Data Link

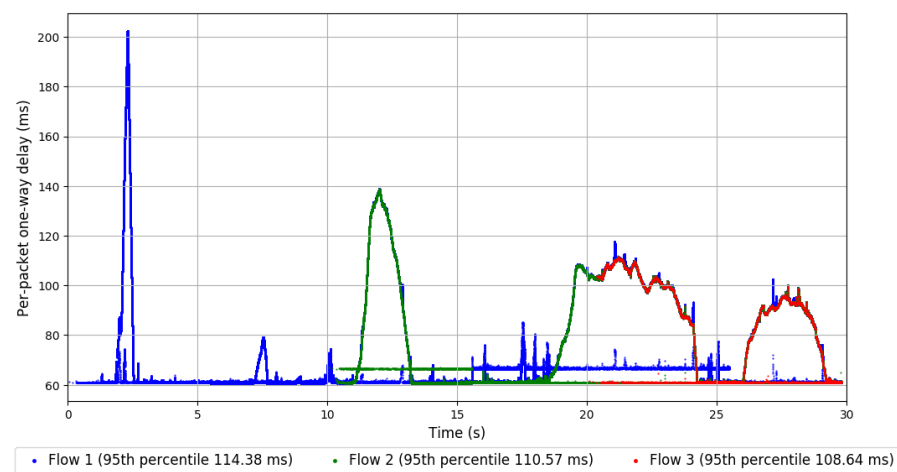
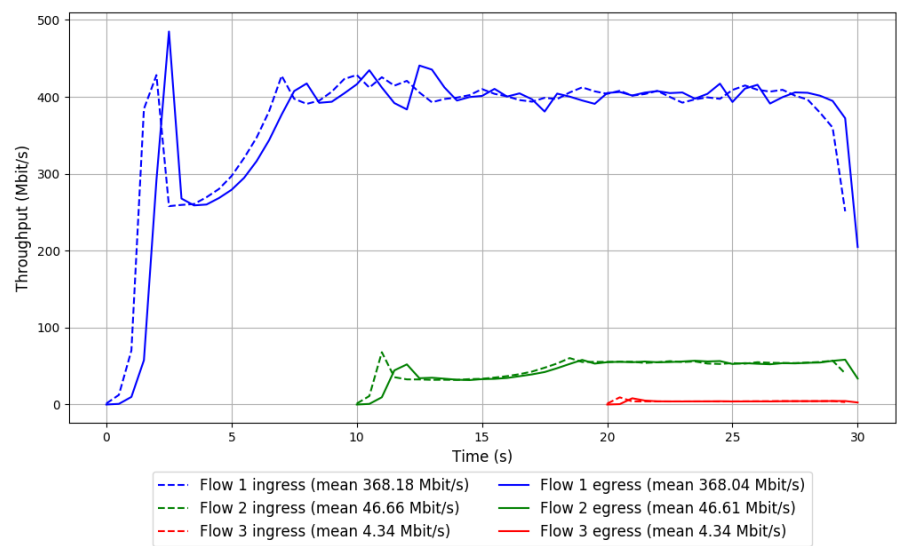


Run 1: Statistics of PCC-Allegro

Start at: 2018-07-11 14:43:43
End at: 2018-07-11 14:44:13
Local clock offset: -0.006 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-11 20:59:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 400.35 Mbit/s
95th percentile per-packet one-way delay: 113.804 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 368.04 Mbit/s
95th percentile per-packet one-way delay: 114.384 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 46.61 Mbit/s
95th percentile per-packet one-way delay: 110.566 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 108.636 ms
Loss rate: 1.26%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-11 15:08:36

End at: 2018-07-11 15:09:06

Local clock offset: 0.034 ms

Remote clock offset: 1.212 ms

Below is generated by plot.py at 2018-07-11 20:59:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 407.35 Mbit/s

95th percentile per-packet one-way delay: 204.183 ms

Loss rate: 5.98%

-- Flow 1:

Average throughput: 250.00 Mbit/s

95th percentile per-packet one-way delay: 205.042 ms

Loss rate: 4.88%

-- Flow 2:

Average throughput: 236.30 Mbit/s

95th percentile per-packet one-way delay: 203.684 ms

Loss rate: 7.65%

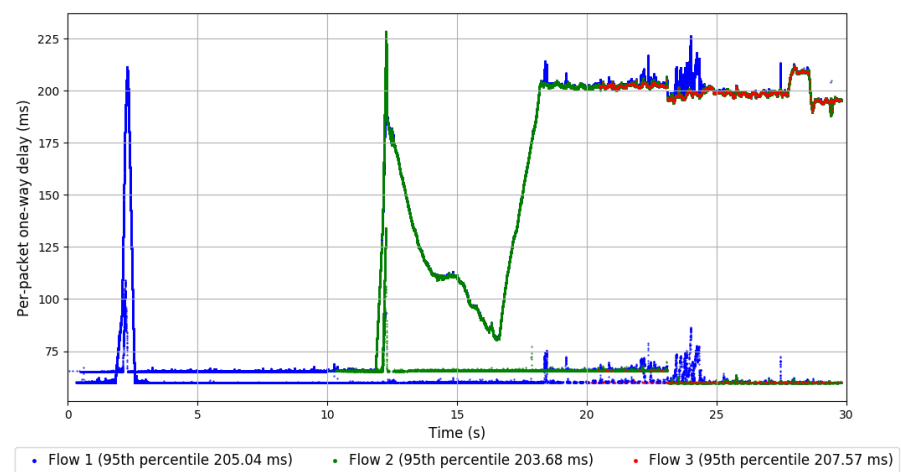
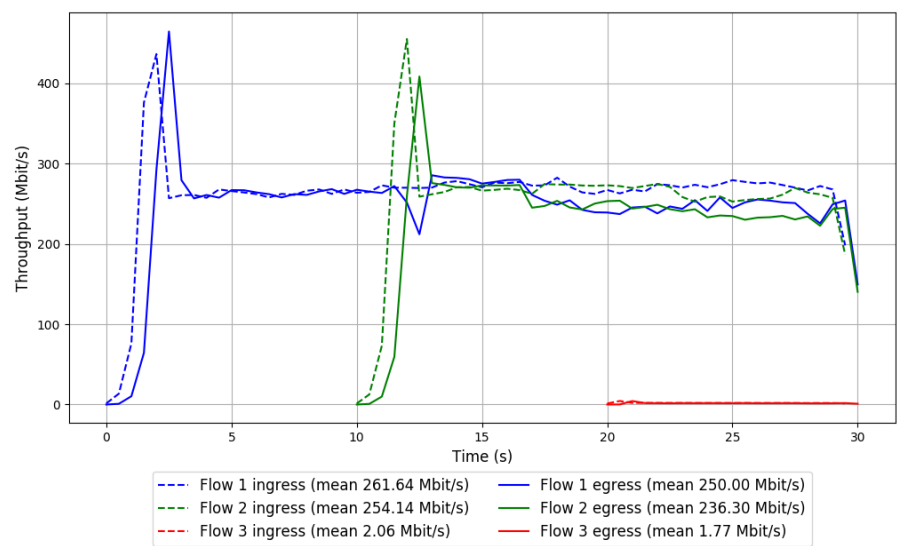
-- Flow 3:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 207.567 ms

Loss rate: 15.18%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-11 15:33:50

End at: 2018-07-11 15:34:20

Local clock offset: 0.035 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-11 21:00:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 439.19 Mbit/s

95th percentile per-packet one-way delay: 190.471 ms

Loss rate: 0.97%

-- Flow 1:

Average throughput: 396.16 Mbit/s

95th percentile per-packet one-way delay: 191.731 ms

Loss rate: 0.99%

-- Flow 2:

Average throughput: 62.69 Mbit/s

95th percentile per-packet one-way delay: 141.471 ms

Loss rate: 0.73%

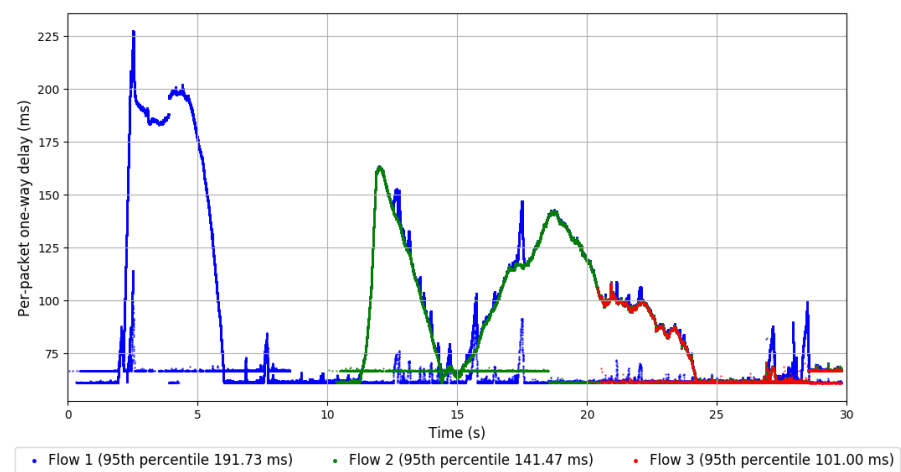
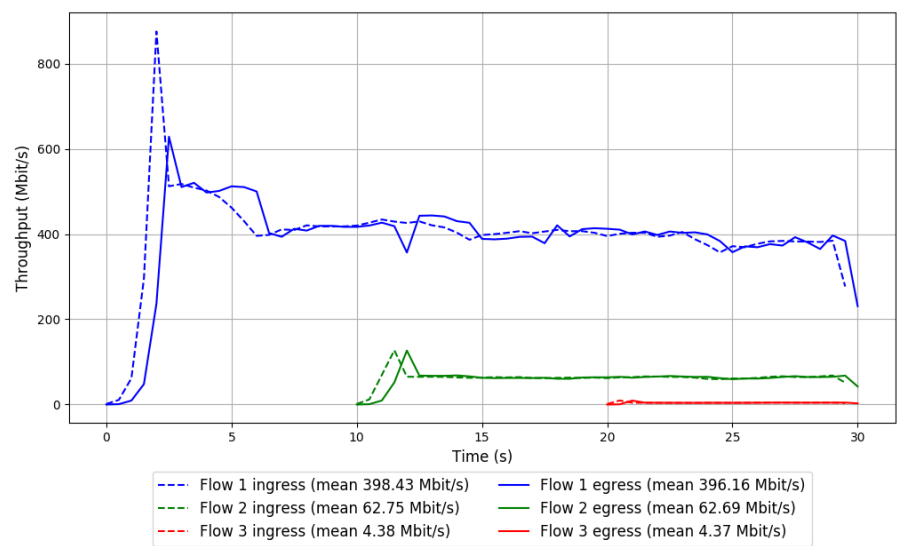
-- Flow 3:

Average throughput: 4.37 Mbit/s

95th percentile per-packet one-way delay: 100.999 ms

Loss rate: 1.39%

Run 3: Report of PCC-Allegro — Data Link

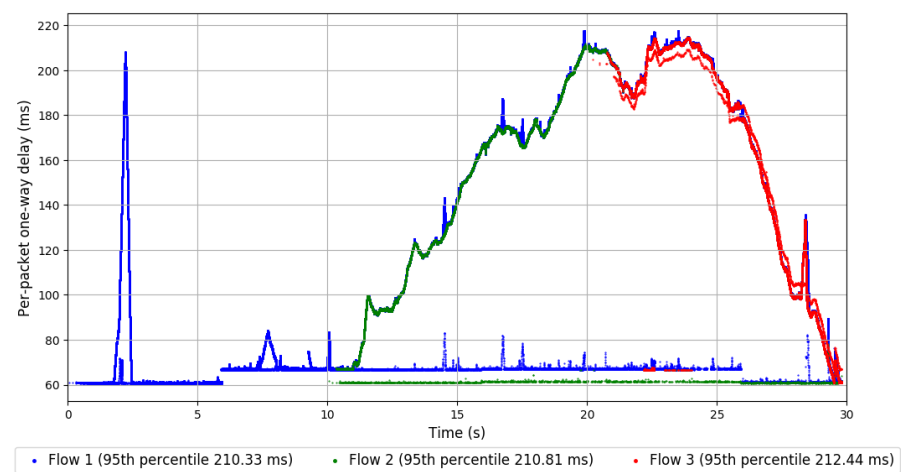
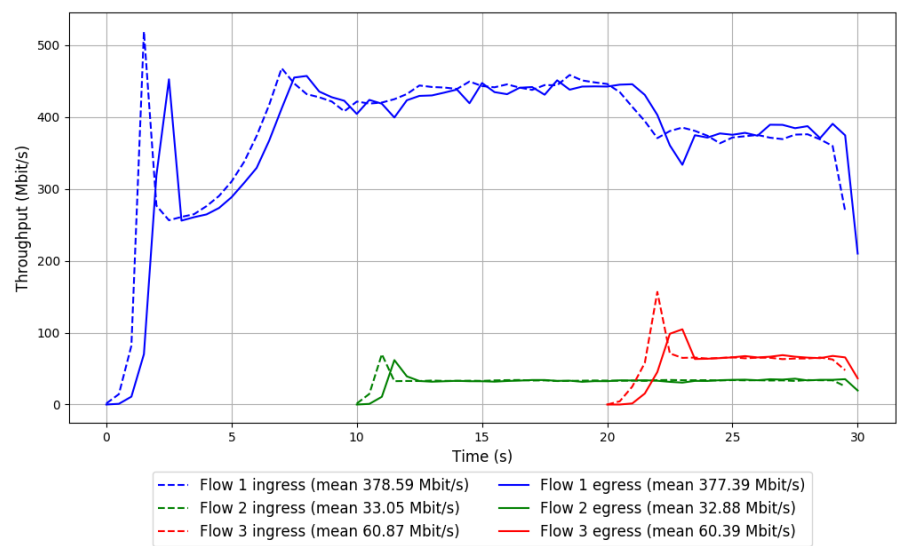


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-11 15:58:53
End at: 2018-07-11 15:59:23
Local clock offset: 0.045 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-11 21:01:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 418.63 Mbit/s
95th percentile per-packet one-way delay: 210.568 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 377.39 Mbit/s
95th percentile per-packet one-way delay: 210.334 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 32.88 Mbit/s
95th percentile per-packet one-way delay: 210.812 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 60.39 Mbit/s
95th percentile per-packet one-way delay: 212.443 ms
Loss rate: 3.74%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-11 16:24:03

End at: 2018-07-11 16:24:33

Local clock offset: 0.009 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-11 21:03:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 498.92 Mbit/s

95th percentile per-packet one-way delay: 203.813 ms

Loss rate: 1.84%

-- Flow 1:

Average throughput: 446.05 Mbit/s

95th percentile per-packet one-way delay: 204.097 ms

Loss rate: 1.96%

-- Flow 2:

Average throughput: 77.67 Mbit/s

95th percentile per-packet one-way delay: 105.059 ms

Loss rate: 0.74%

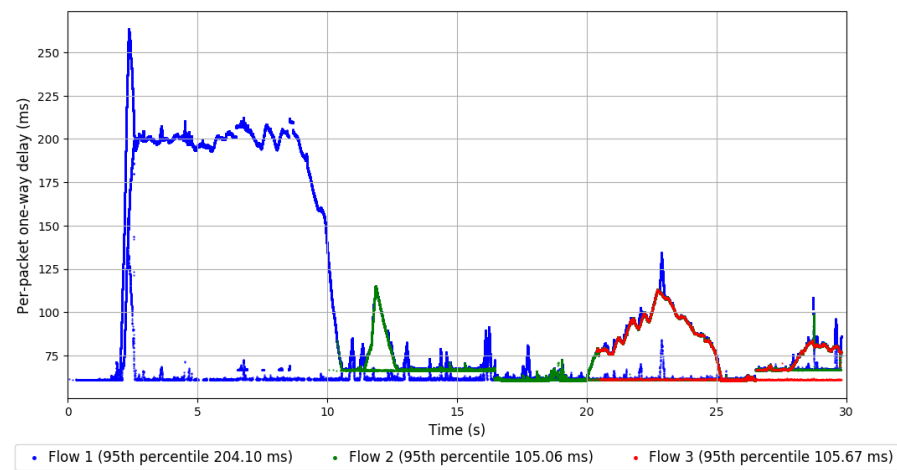
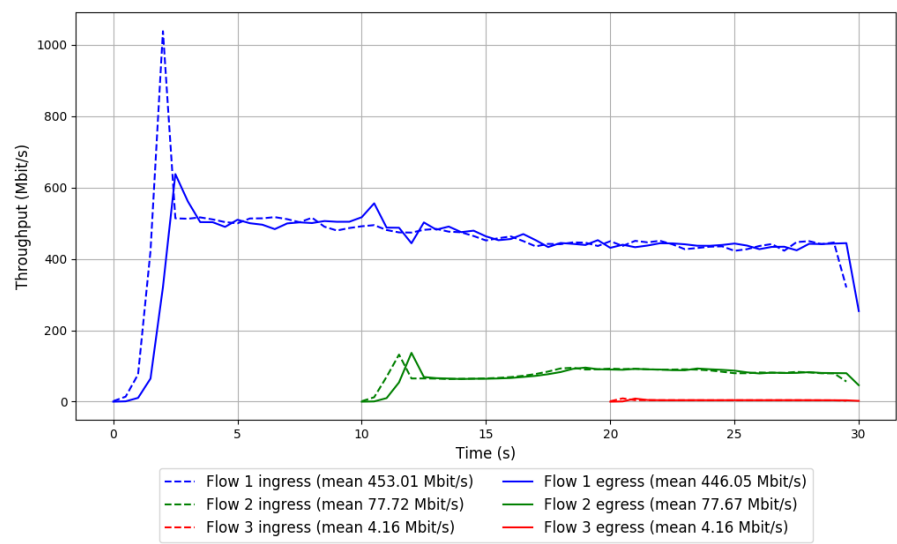
-- Flow 3:

Average throughput: 4.16 Mbit/s

95th percentile per-packet one-way delay: 105.669 ms

Loss rate: 1.35%

Run 5: Report of PCC-Allegro — Data Link

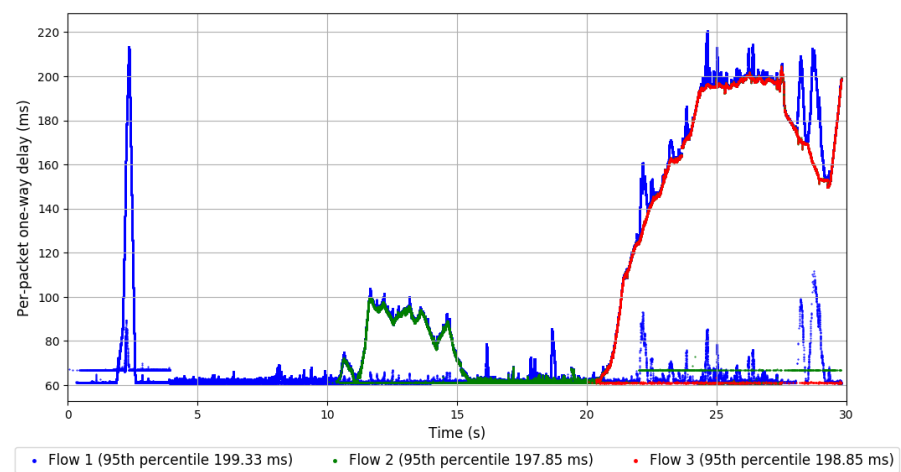
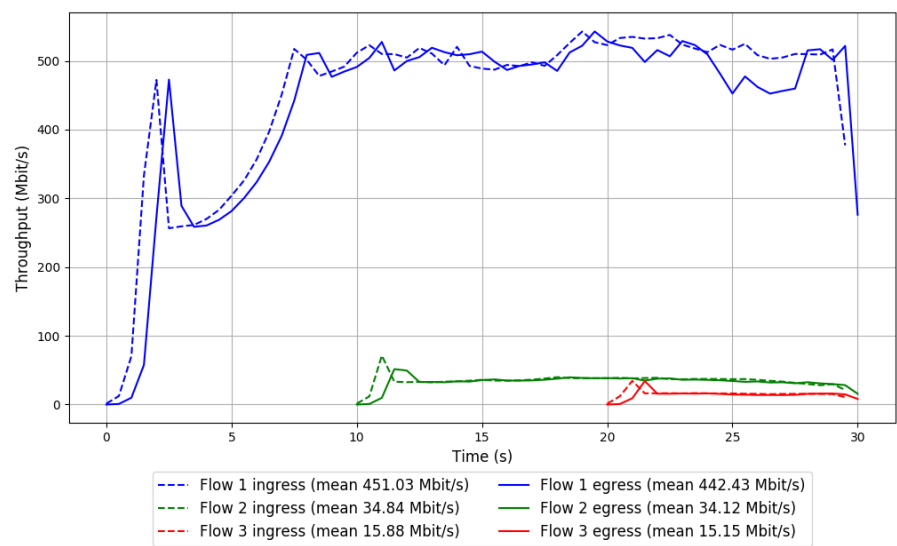


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-11 16:49:15
End at: 2018-07-11 16:49:45
Local clock offset: -0.019 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-11 21:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 470.01 Mbit/s
95th percentile per-packet one-way delay: 199.246 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 442.43 Mbit/s
95th percentile per-packet one-way delay: 199.331 ms
Loss rate: 2.35%
-- Flow 2:
Average throughput: 34.12 Mbit/s
95th percentile per-packet one-way delay: 197.849 ms
Loss rate: 2.70%
-- Flow 3:
Average throughput: 15.15 Mbit/s
95th percentile per-packet one-way delay: 198.848 ms
Loss rate: 5.82%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-11 17:14:53

End at: 2018-07-11 17:15:23

Local clock offset: -0.077 ms

Remote clock offset: 0.087 ms

Below is generated by plot.py at 2018-07-11 21:06:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 505.86 Mbit/s

95th percentile per-packet one-way delay: 192.199 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 463.80 Mbit/s

95th percentile per-packet one-way delay: 191.972 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 33.81 Mbit/s

95th percentile per-packet one-way delay: 192.327 ms

Loss rate: 0.81%

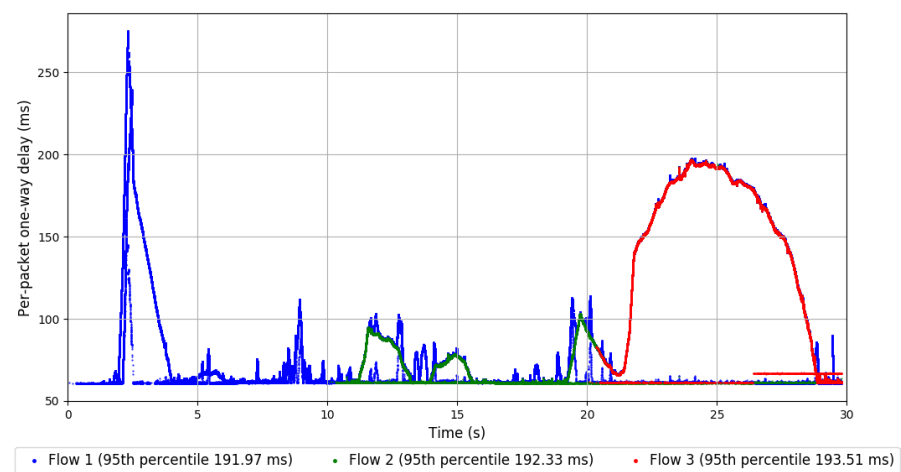
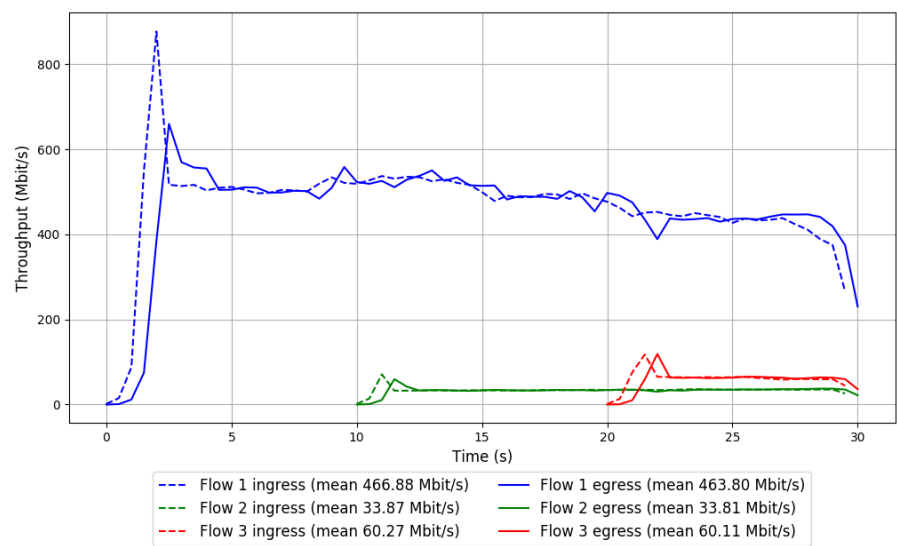
-- Flow 3:

Average throughput: 60.11 Mbit/s

95th percentile per-packet one-way delay: 193.512 ms

Loss rate: 1.56%

Run 7: Report of PCC-Allegro — Data Link

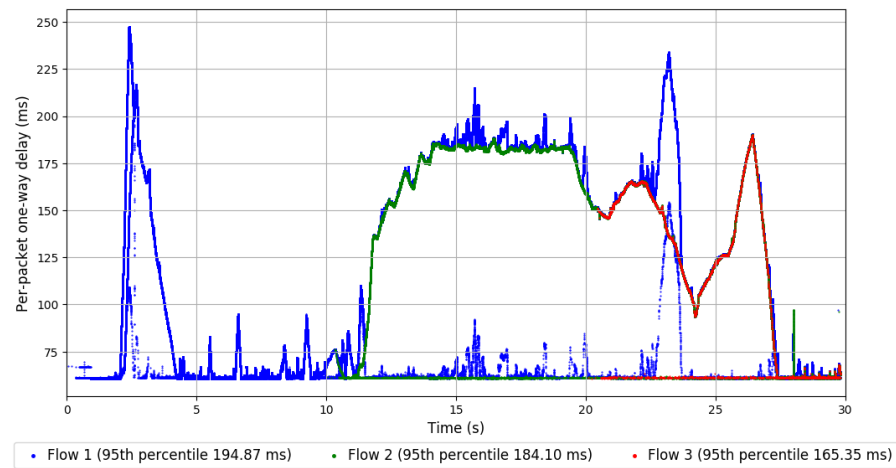
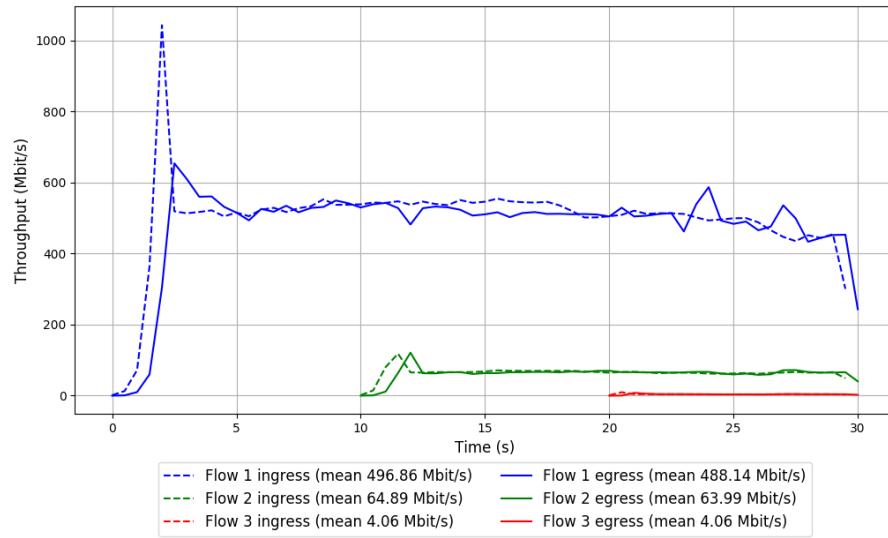


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-11 17:40:08
End at: 2018-07-11 17:40:38
Local clock offset: -0.033 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-07-11 21:07:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 531.93 Mbit/s
95th percentile per-packet one-way delay: 193.414 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 488.14 Mbit/s
95th percentile per-packet one-way delay: 194.870 ms
Loss rate: 2.18%
-- Flow 2:
Average throughput: 63.99 Mbit/s
95th percentile per-packet one-way delay: 184.104 ms
Loss rate: 2.00%
-- Flow 3:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 165.347 ms
Loss rate: 1.31%

Run 8: Report of PCC-Allegro — Data Link

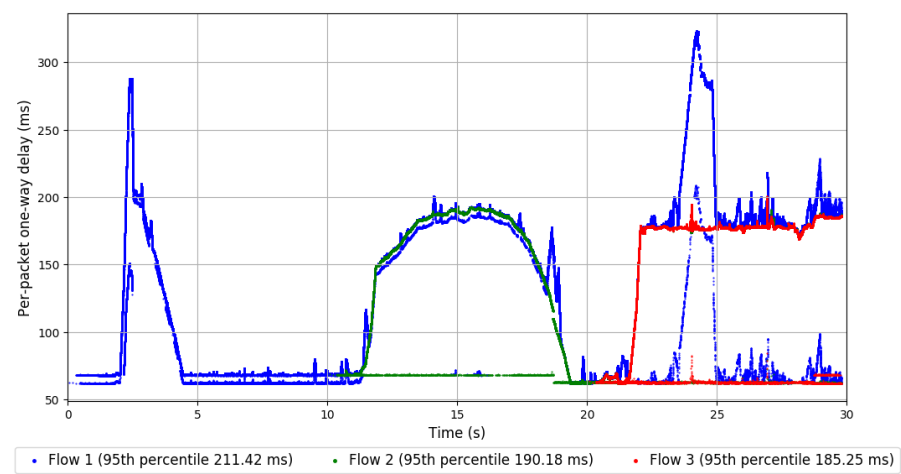
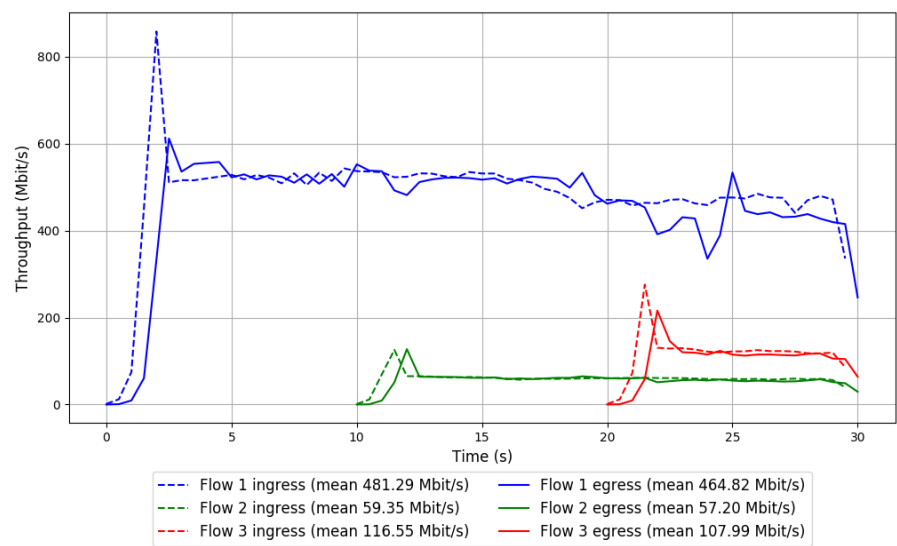


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-11 18:05:00
End at: 2018-07-11 18:05:30
Local clock offset: -0.042 ms
Remote clock offset: -1.307 ms

Below is generated by plot.py at 2018-07-11 21:09:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 538.04 Mbit/s
95th percentile per-packet one-way delay: 203.762 ms
Loss rate: 4.17%
-- Flow 1:
Average throughput: 464.82 Mbit/s
95th percentile per-packet one-way delay: 211.419 ms
Loss rate: 3.82%
-- Flow 2:
Average throughput: 57.20 Mbit/s
95th percentile per-packet one-way delay: 190.184 ms
Loss rate: 4.24%
-- Flow 3:
Average throughput: 107.99 Mbit/s
95th percentile per-packet one-way delay: 185.249 ms
Loss rate: 8.52%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-11 18:30:19

End at: 2018-07-11 18:30:49

Local clock offset: -0.044 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-07-11 21:09:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 506.95 Mbit/s

95th percentile per-packet one-way delay: 157.009 ms

Loss rate: 1.32%

-- Flow 1:

Average throughput: 454.26 Mbit/s

95th percentile per-packet one-way delay: 157.261 ms

Loss rate: 1.33%

-- Flow 2:

Average throughput: 71.46 Mbit/s

95th percentile per-packet one-way delay: 152.602 ms

Loss rate: 1.16%

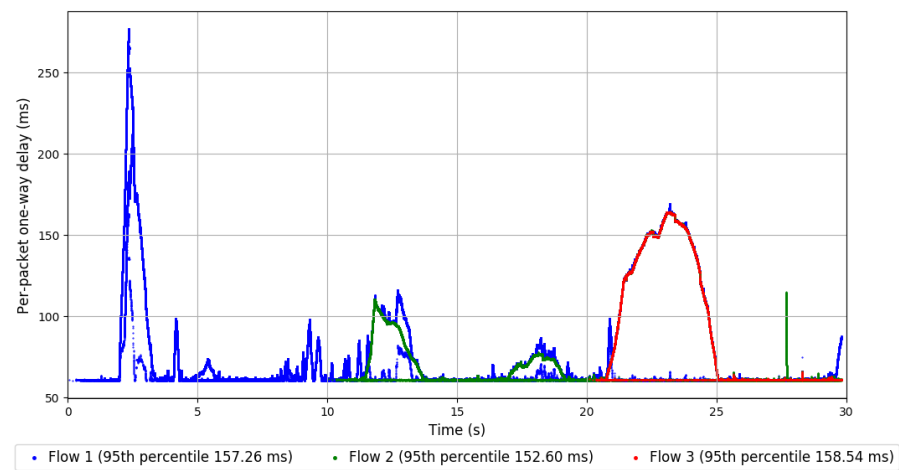
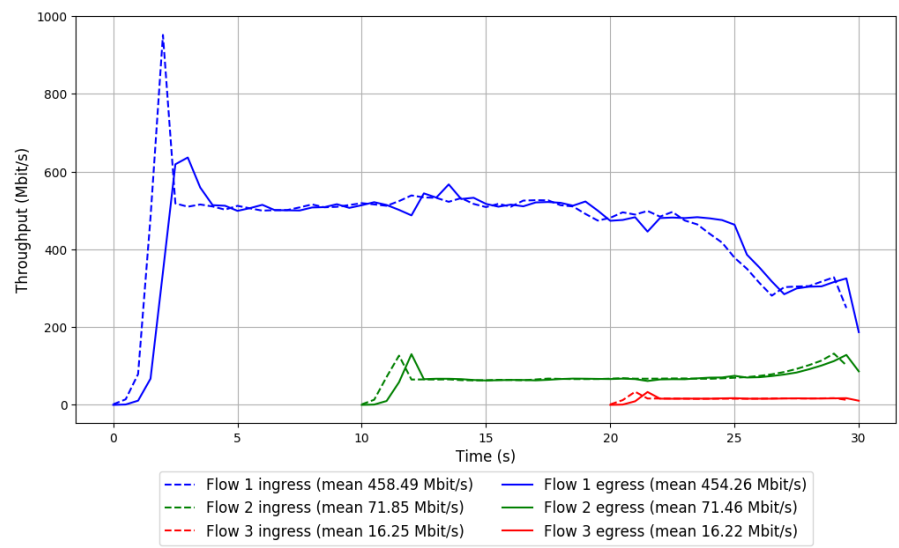
-- Flow 3:

Average throughput: 16.22 Mbit/s

95th percentile per-packet one-way delay: 158.538 ms

Loss rate: 1.39%

Run 10: Report of PCC-Allegro — Data Link

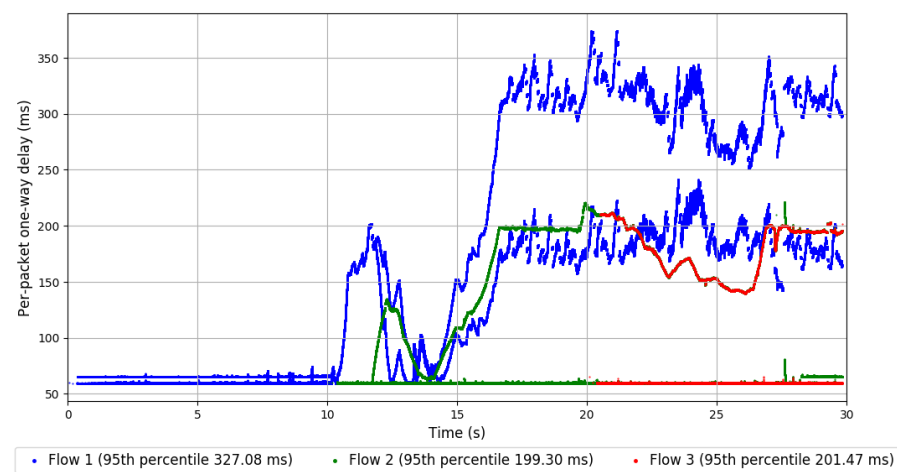
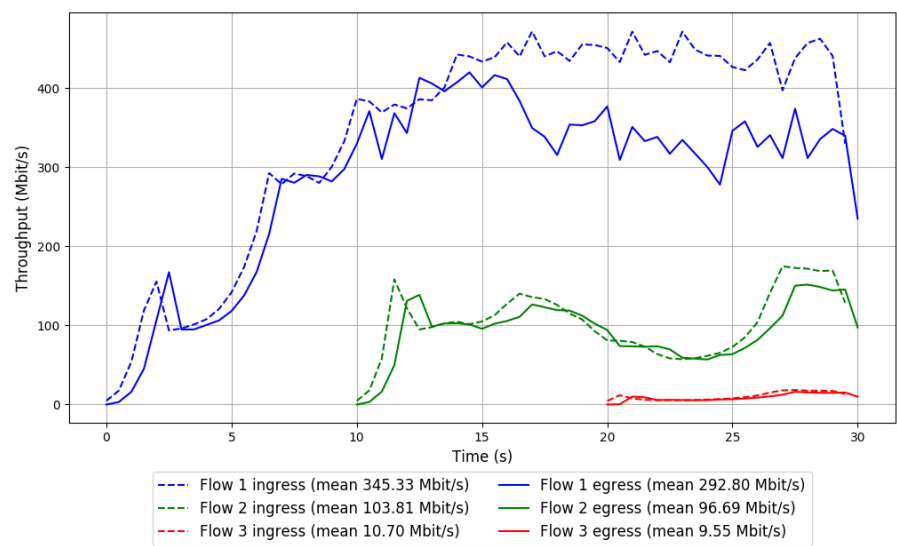


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-11 14:59:19
End at: 2018-07-11 14:59:49
Local clock offset: 0.019 ms
Remote clock offset: 1.448 ms

# Below is generated by plot.py at 2018-07-11 21:15:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 360.01 Mbit/s
95th percentile per-packet one-way delay: 324.156 ms
Loss rate: 14.19%
-- Flow 1:
Average throughput: 292.80 Mbit/s
95th percentile per-packet one-way delay: 327.081 ms
Loss rate: 15.56%
-- Flow 2:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 199.301 ms
Loss rate: 7.44%
-- Flow 3:
Average throughput: 9.55 Mbit/s
95th percentile per-packet one-way delay: 201.470 ms
Loss rate: 11.86%
```


Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-11 15:24:14

End at: 2018-07-11 15:24:44

Local clock offset: 0.04 ms

Remote clock offset: 1.395 ms

Below is generated by plot.py at 2018-07-11 21:17:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 411.49 Mbit/s

95th percentile per-packet one-way delay: 187.460 ms

Loss rate: 4.29%

-- Flow 1:

Average throughput: 341.09 Mbit/s

95th percentile per-packet one-way delay: 191.582 ms

Loss rate: 4.85%

-- Flow 2:

Average throughput: 72.54 Mbit/s

95th percentile per-packet one-way delay: 65.473 ms

Loss rate: 0.91%

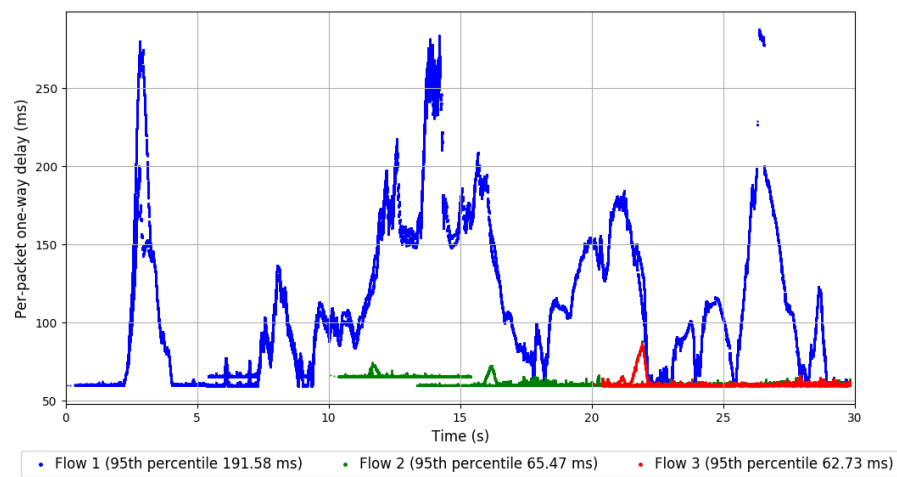
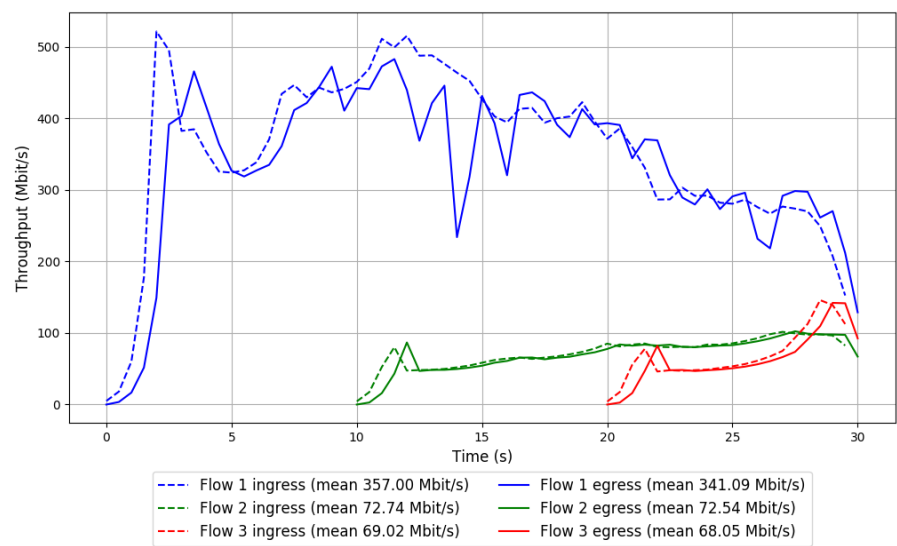
-- Flow 3:

Average throughput: 68.05 Mbit/s

95th percentile per-packet one-way delay: 62.733 ms

Loss rate: 2.70%

Run 2: Report of PCC-Expr — Data Link

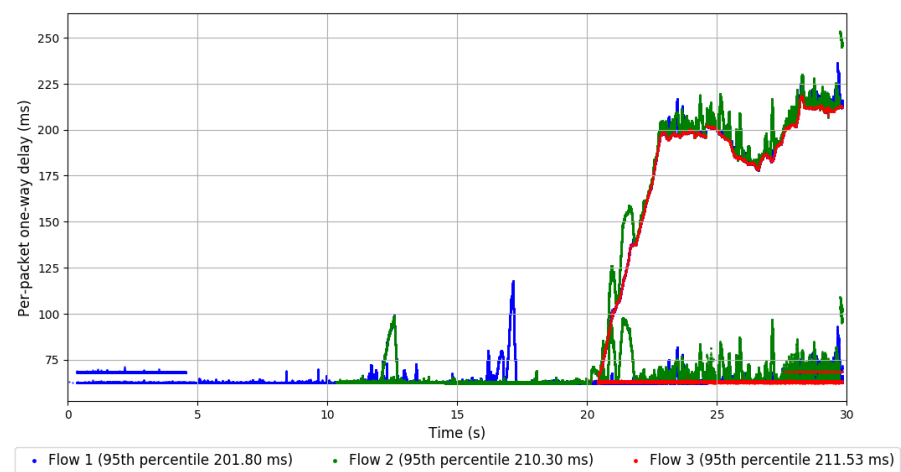
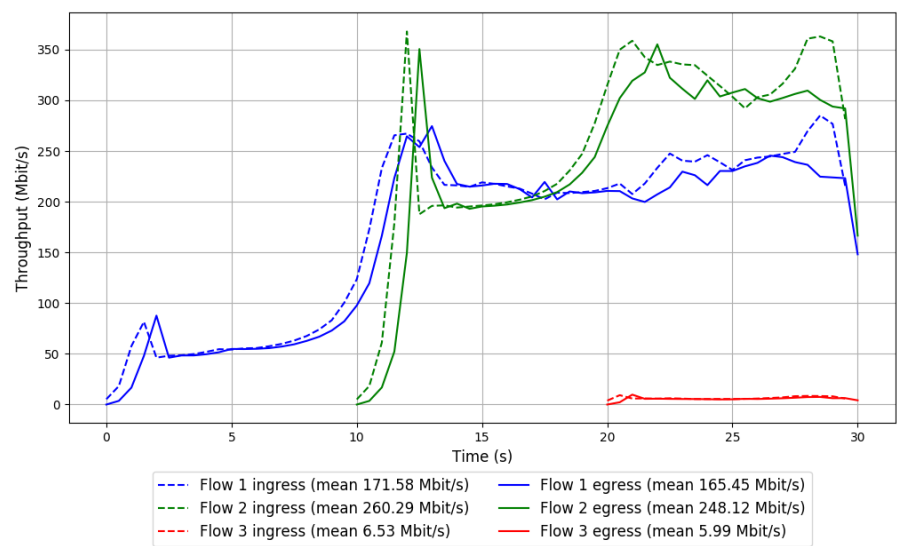


Run 3: Statistics of PCC-Expr

Start at: 2018-07-11 15:49:24
End at: 2018-07-11 15:49:54
Local clock offset: 0.04 ms
Remote clock offset: -1.424 ms

Below is generated by plot.py at 2018-07-11 21:17:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.10 Mbit/s
95th percentile per-packet one-way delay: 207.283 ms
Loss rate: 4.65%
-- Flow 1:
Average throughput: 165.45 Mbit/s
95th percentile per-packet one-way delay: 201.800 ms
Loss rate: 3.97%
-- Flow 2:
Average throughput: 248.12 Mbit/s
95th percentile per-packet one-way delay: 210.304 ms
Loss rate: 5.27%
-- Flow 3:
Average throughput: 5.99 Mbit/s
95th percentile per-packet one-way delay: 211.530 ms
Loss rate: 9.40%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-11 16:14:27

End at: 2018-07-11 16:14:57

Local clock offset: 0.03 ms

Remote clock offset: 0.163 ms

Below is generated by plot.py at 2018-07-11 21:20:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 418.45 Mbit/s

95th percentile per-packet one-way delay: 197.173 ms

Loss rate: 6.04%

-- Flow 1:

Average throughput: 238.46 Mbit/s

95th percentile per-packet one-way delay: 189.540 ms

Loss rate: 3.96%

-- Flow 2:

Average throughput: 210.15 Mbit/s

95th percentile per-packet one-way delay: 198.778 ms

Loss rate: 6.05%

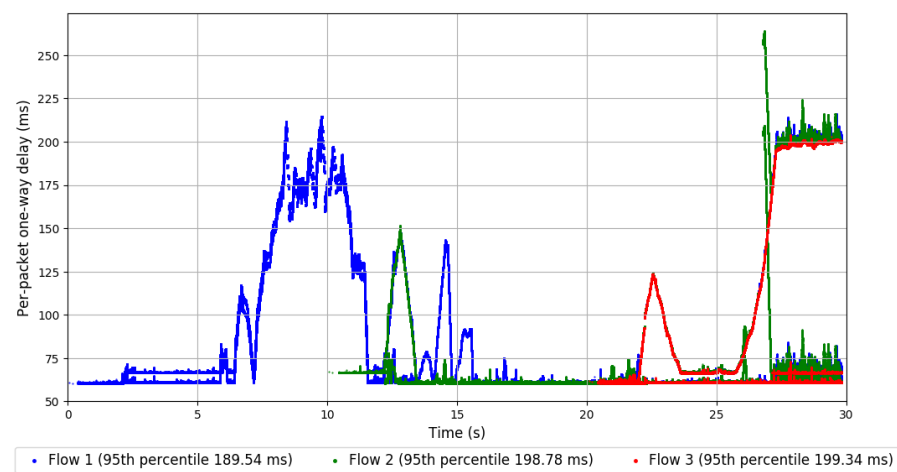
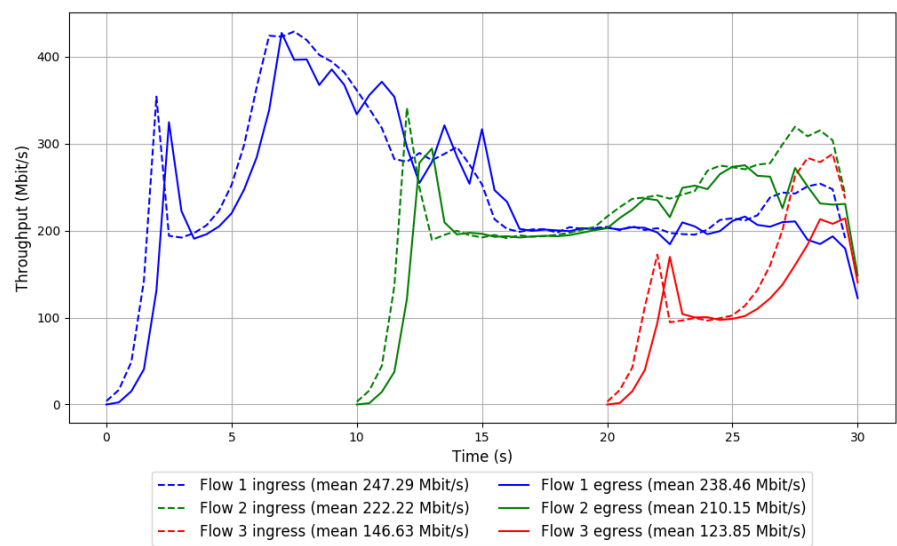
-- Flow 3:

Average throughput: 123.85 Mbit/s

95th percentile per-packet one-way delay: 199.345 ms

Loss rate: 16.60%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-11 16:39:38

End at: 2018-07-11 16:40:08

Local clock offset: 0.014 ms

Remote clock offset: 0.111 ms

Below is generated by plot.py at 2018-07-11 21:20:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 306.70 Mbit/s

95th percentile per-packet one-way delay: 264.450 ms

Loss rate: 5.66%

-- Flow 1:

Average throughput: 239.47 Mbit/s

95th percentile per-packet one-way delay: 267.394 ms

Loss rate: 6.77%

-- Flow 2:

Average throughput: 59.98 Mbit/s

95th percentile per-packet one-way delay: 66.941 ms

Loss rate: 0.73%

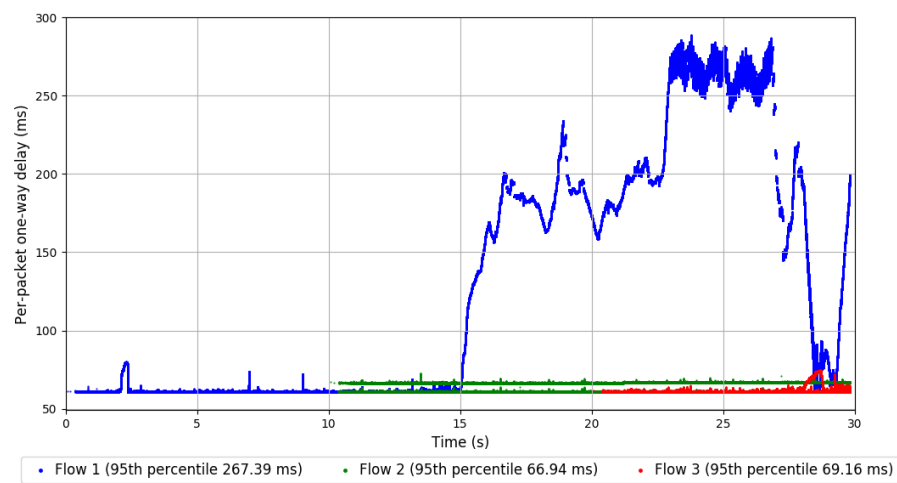
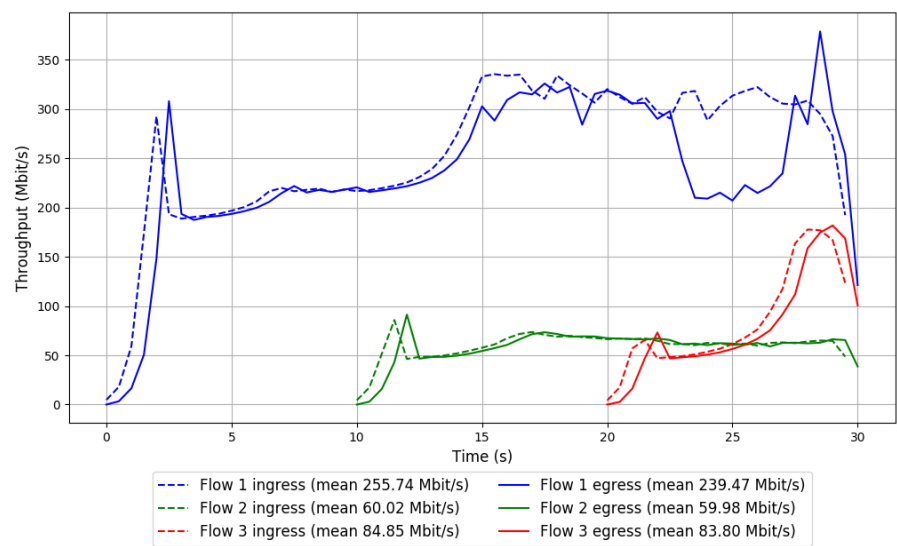
-- Flow 3:

Average throughput: 83.80 Mbit/s

95th percentile per-packet one-way delay: 69.155 ms

Loss rate: 2.53%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-11 17:05:09

End at: 2018-07-11 17:05:39

Local clock offset: 0.002 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-07-11 21:20:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 312.40 Mbit/s

95th percentile per-packet one-way delay: 142.593 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 215.84 Mbit/s

95th percentile per-packet one-way delay: 147.702 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 127.32 Mbit/s

95th percentile per-packet one-way delay: 114.874 ms

Loss rate: 1.06%

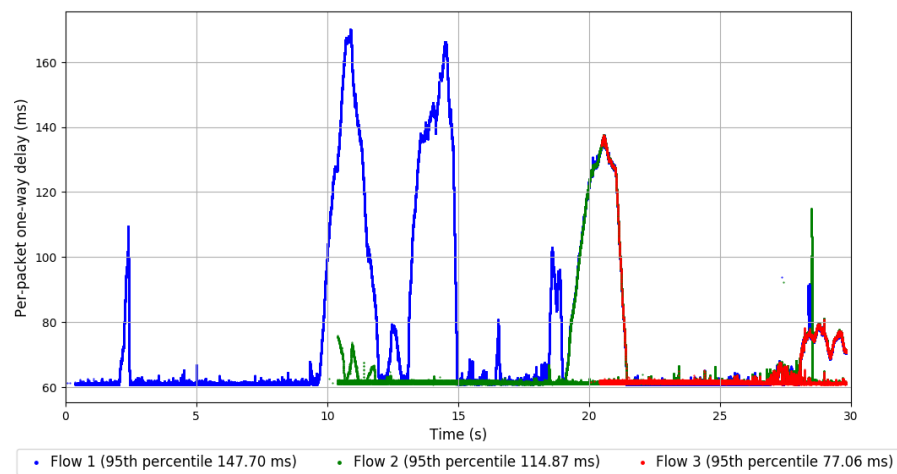
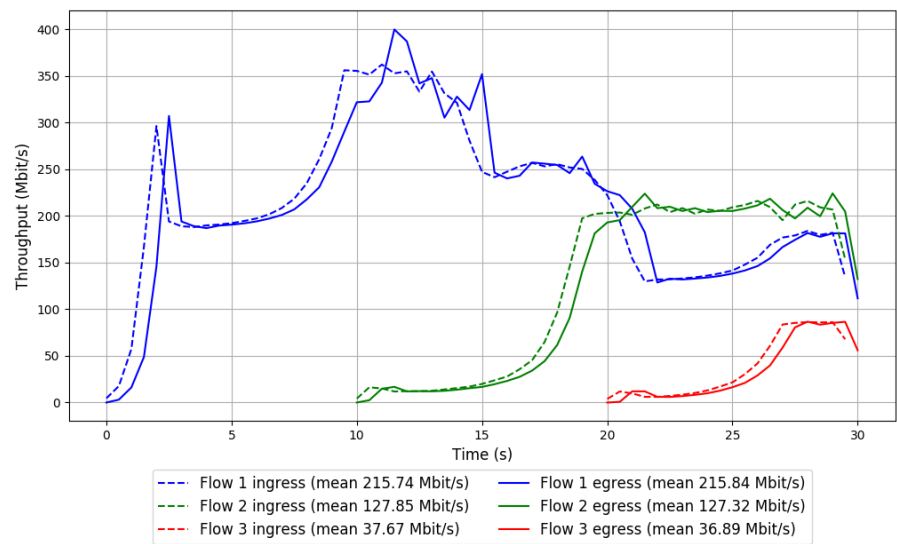
-- Flow 3:

Average throughput: 36.89 Mbit/s

95th percentile per-packet one-way delay: 77.062 ms

Loss rate: 3.34%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-11 17:30:53

End at: 2018-07-11 17:31:23

Local clock offset: 0.014 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-11 21:20:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 277.92 Mbit/s

95th percentile per-packet one-way delay: 97.881 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 204.11 Mbit/s

95th percentile per-packet one-way delay: 110.771 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 52.37 Mbit/s

95th percentile per-packet one-way delay: 67.921 ms

Loss rate: 0.76%

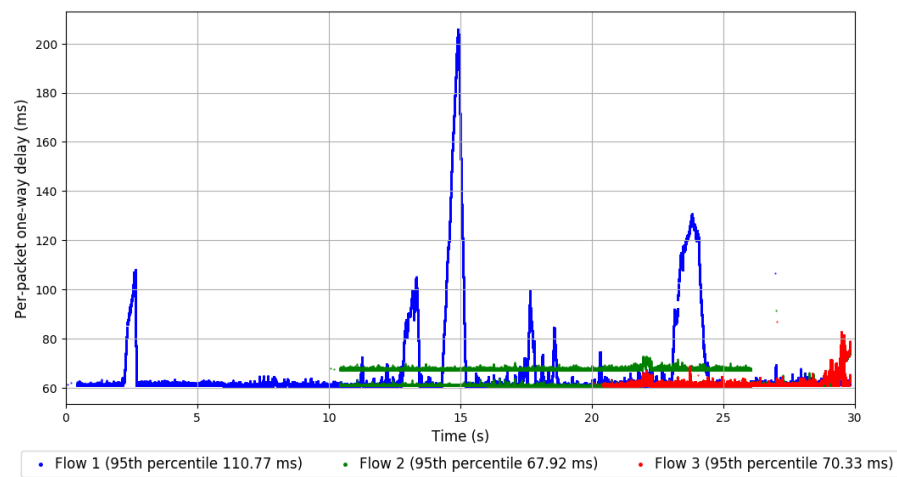
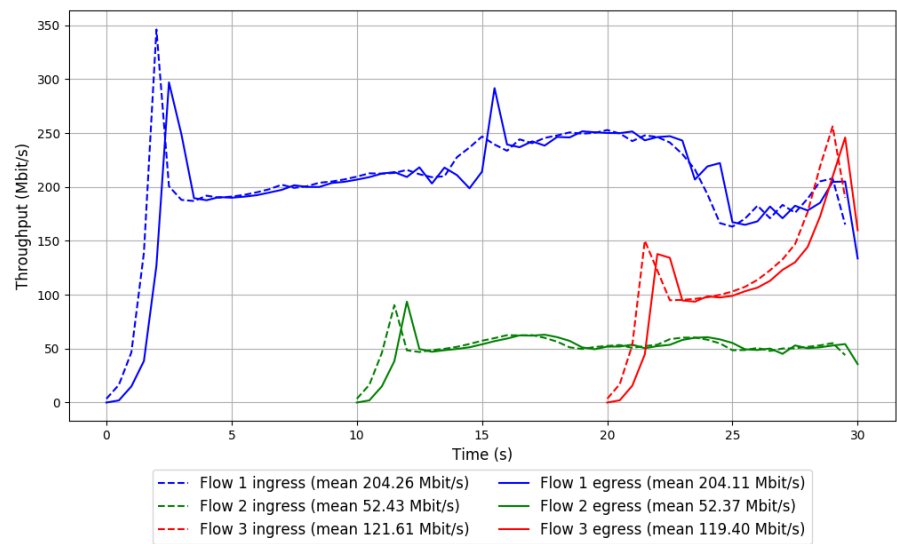
-- Flow 3:

Average throughput: 119.40 Mbit/s

95th percentile per-packet one-way delay: 70.334 ms

Loss rate: 3.05%

Run 7: Report of PCC-Expr — Data Link

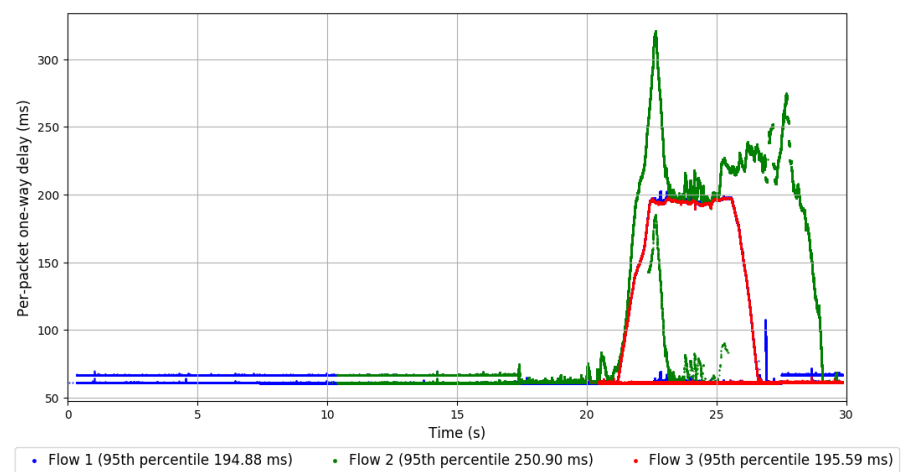
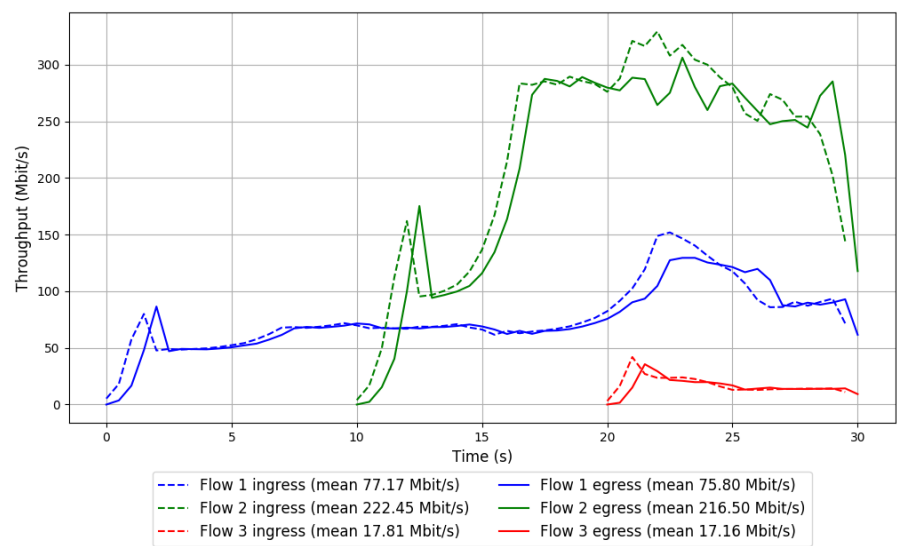


Run 8: Statistics of PCC-Expr

Start at: 2018-07-11 17:55:52
End at: 2018-07-11 17:56:22
Local clock offset: 0.01 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-11 21:20:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 225.12 Mbit/s
95th percentile per-packet one-way delay: 235.444 ms
Loss rate: 2.95%
-- Flow 1:
Average throughput: 75.80 Mbit/s
95th percentile per-packet one-way delay: 194.877 ms
Loss rate: 2.17%
-- Flow 2:
Average throughput: 216.50 Mbit/s
95th percentile per-packet one-way delay: 250.901 ms
Loss rate: 3.28%
-- Flow 3:
Average throughput: 17.16 Mbit/s
95th percentile per-packet one-way delay: 195.592 ms
Loss rate: 4.85%

Run 8: Report of PCC-Expr — Data Link

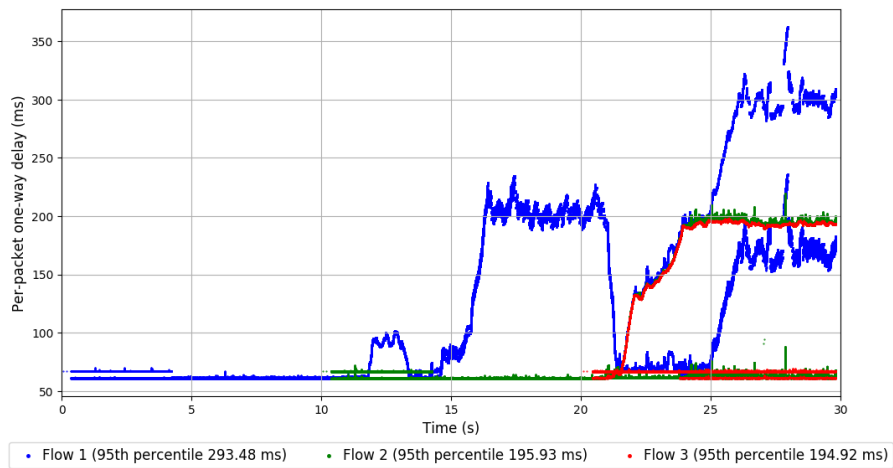
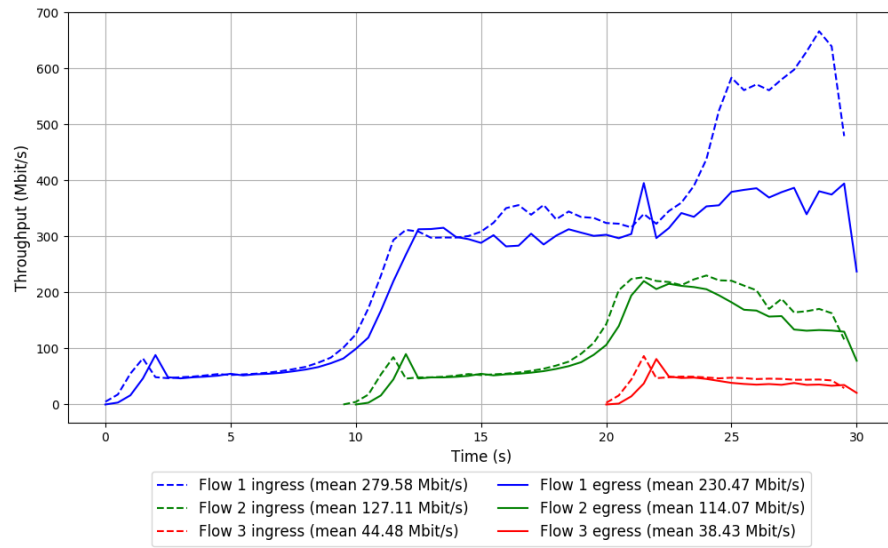


Run 9: Statistics of PCC-Expr

Start at: 2018-07-11 18:20:55
End at: 2018-07-11 18:21:25
Local clock offset: -0.034 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-07-11 21:28:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 318.77 Mbit/s
95th percentile per-packet one-way delay: 286.778 ms
Loss rate: 16.21%
-- Flow 1:
Average throughput: 230.47 Mbit/s
95th percentile per-packet one-way delay: 293.483 ms
Loss rate: 17.92%
-- Flow 2:
Average throughput: 114.07 Mbit/s
95th percentile per-packet one-way delay: 195.925 ms
Loss rate: 10.84%
-- Flow 3:
Average throughput: 38.43 Mbit/s
95th percentile per-packet one-way delay: 194.920 ms
Loss rate: 14.72%

Run 9: Report of PCC-Expr — Data Link

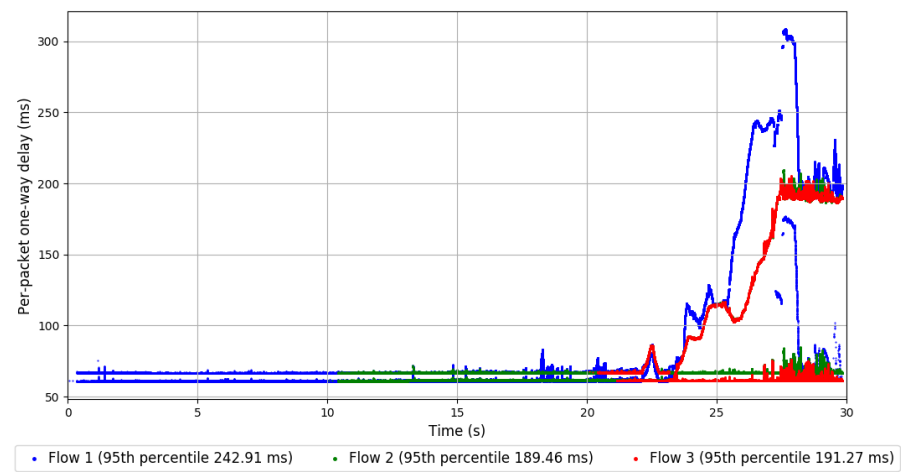
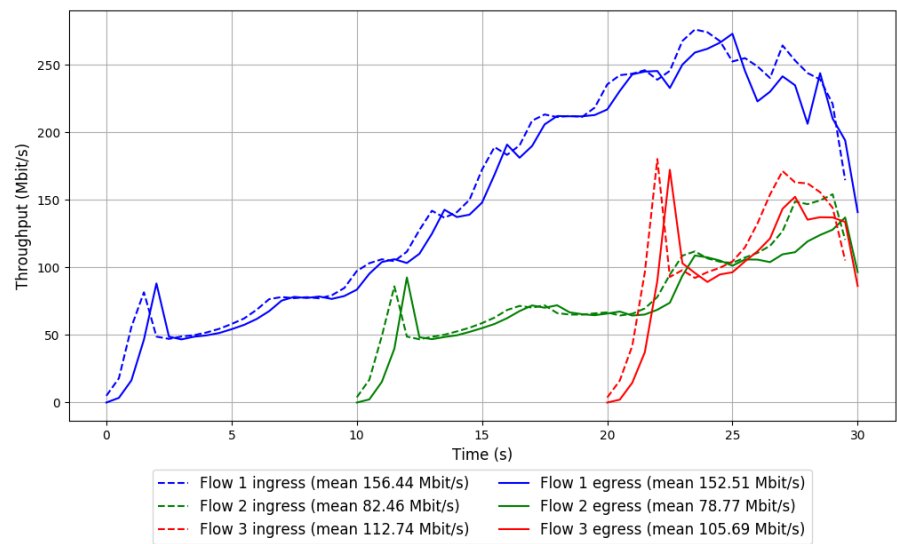


Run 10: Statistics of PCC-Expr

Start at: 2018-07-11 18:45:46
End at: 2018-07-11 18:46:16
Local clock offset: -0.048 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-11 21:28:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 239.38 Mbit/s
95th percentile per-packet one-way delay: 237.709 ms
Loss rate: 4.07%
-- Flow 1:
Average throughput: 152.51 Mbit/s
95th percentile per-packet one-way delay: 242.909 ms
Loss rate: 2.91%
-- Flow 2:
Average throughput: 78.77 Mbit/s
95th percentile per-packet one-way delay: 189.463 ms
Loss rate: 5.07%
-- Flow 3:
Average throughput: 105.69 Mbit/s
95th percentile per-packet one-way delay: 191.270 ms
Loss rate: 7.48%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-11 14:52:54

End at: 2018-07-11 14:53:24

Local clock offset: 0.004 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-07-11 21:28:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.30 Mbit/s

95th percentile per-packet one-way delay: 61.173 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 46.22 Mbit/s

95th percentile per-packet one-way delay: 61.018 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 31.69 Mbit/s

95th percentile per-packet one-way delay: 61.315 ms

Loss rate: 0.27%

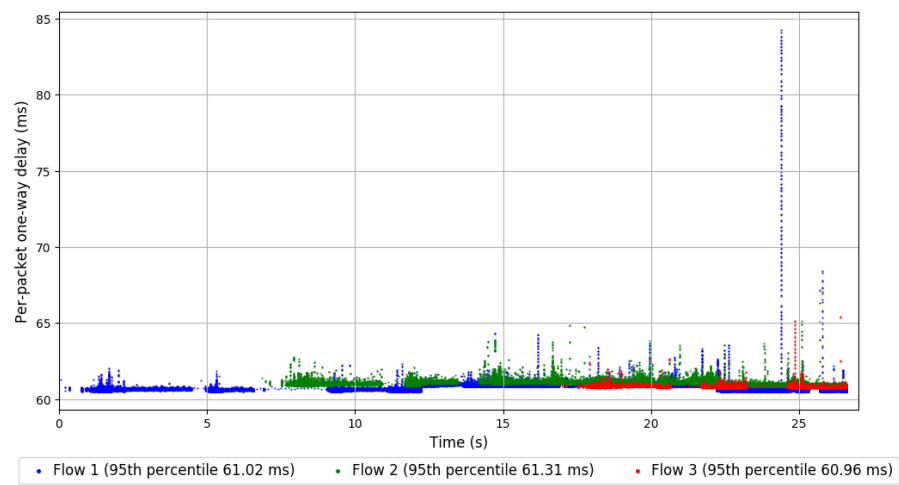
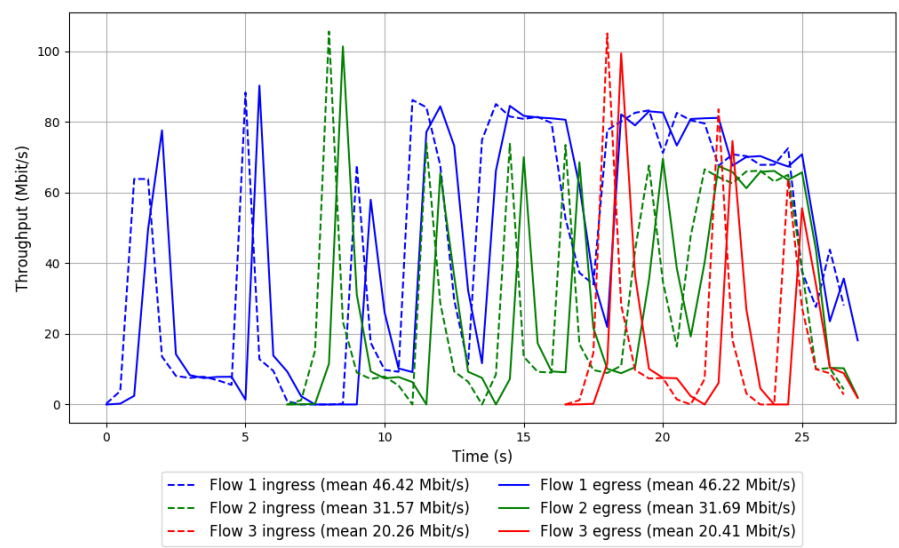
-- Flow 3:

Average throughput: 20.41 Mbit/s

95th percentile per-packet one-way delay: 60.963 ms

Loss rate: 0.50%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-11 15:17:47

End at: 2018-07-11 15:18:17

Local clock offset: 0.031 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-07-11 21:28:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.88 Mbit/s

95th percentile per-packet one-way delay: 66.655 ms

Loss rate: 1.42%

-- Flow 1:

Average throughput: 44.49 Mbit/s

95th percentile per-packet one-way delay: 66.482 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 35.59 Mbit/s

95th percentile per-packet one-way delay: 66.715 ms

Loss rate: 1.11%

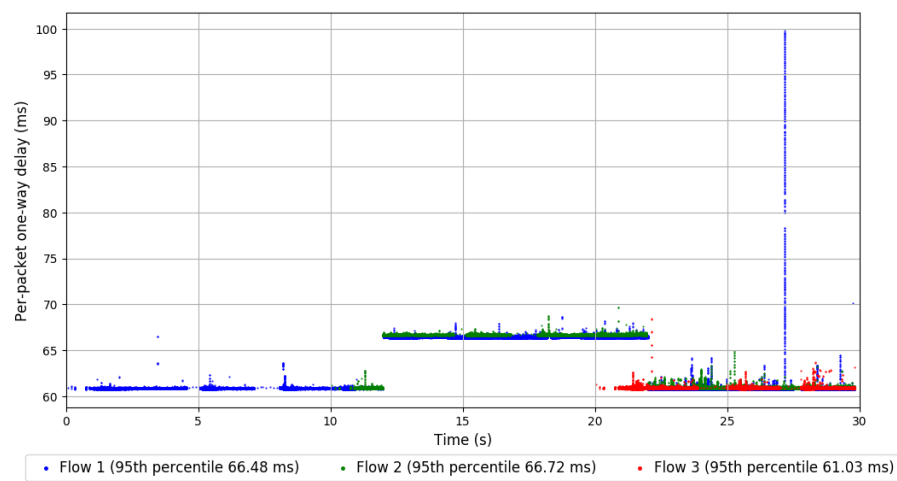
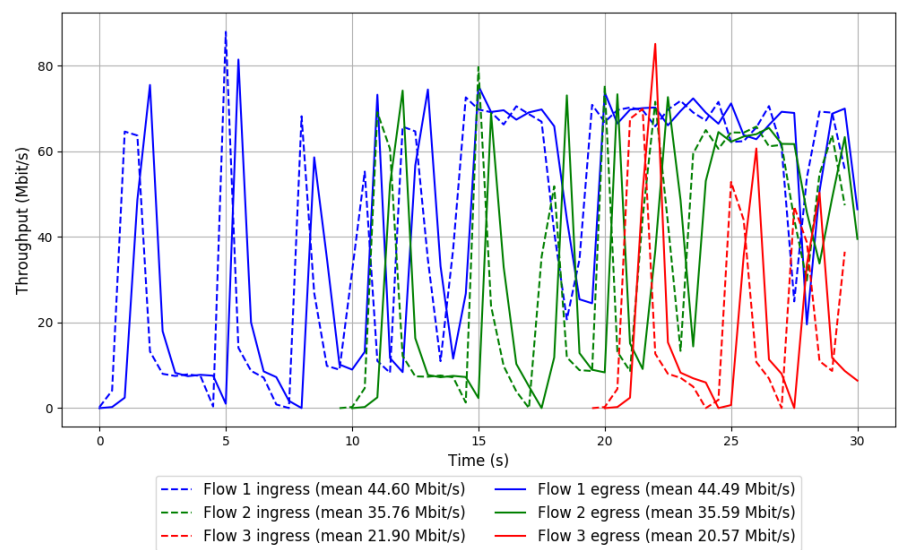
-- Flow 3:

Average throughput: 20.57 Mbit/s

95th percentile per-packet one-way delay: 61.035 ms

Loss rate: 7.20%

Run 2: Report of QUIC Cubic — Data Link

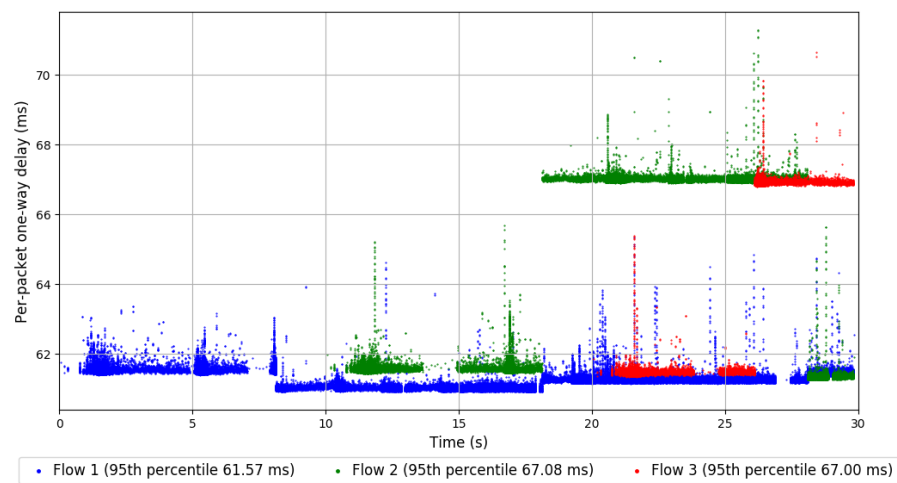
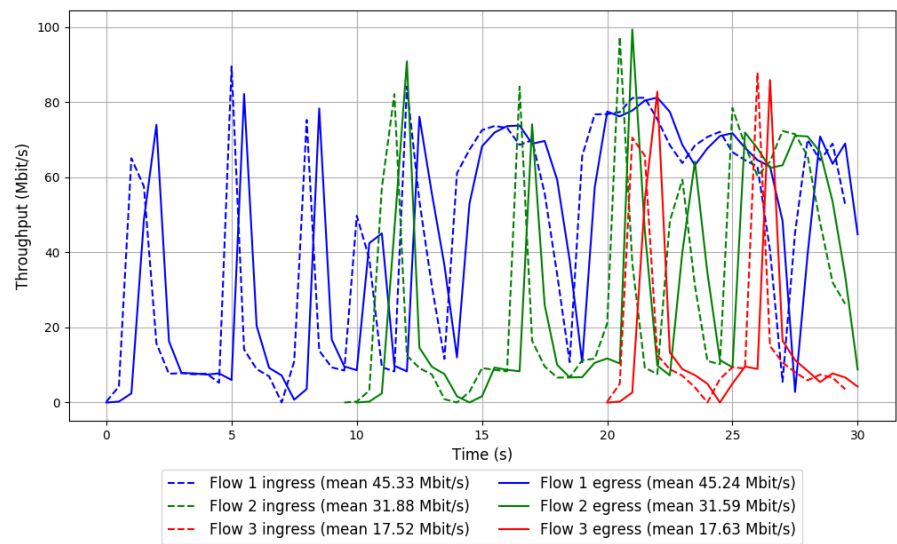


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-11 15:43:01
End at: 2018-07-11 15:43:31
Local clock offset: 0.03 ms
Remote clock offset: -0.328 ms

Below is generated by plot.py at 2018-07-11 21:28:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.01 Mbit/s
95th percentile per-packet one-way delay: 67.028 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 45.24 Mbit/s
95th percentile per-packet one-way delay: 61.574 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 31.59 Mbit/s
95th percentile per-packet one-way delay: 67.079 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 17.63 Mbit/s
95th percentile per-packet one-way delay: 66.997 ms
Loss rate: 0.04%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-11 16:08:06

End at: 2018-07-11 16:08:36

Local clock offset: -0.014 ms

Remote clock offset: -0.25 ms

Below is generated by plot.py at 2018-07-11 21:28:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.94 Mbit/s

95th percentile per-packet one-way delay: 61.689 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 43.79 Mbit/s

95th percentile per-packet one-way delay: 61.530 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 39.50 Mbit/s

95th percentile per-packet one-way delay: 66.662 ms

Loss rate: 1.22%

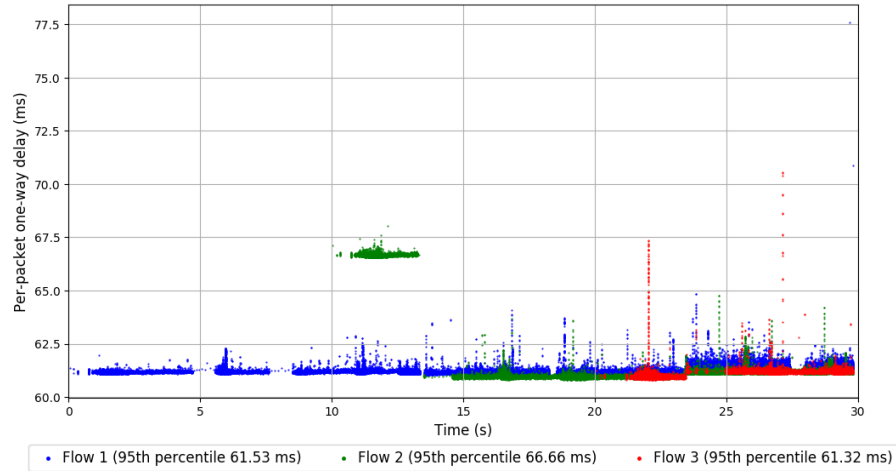
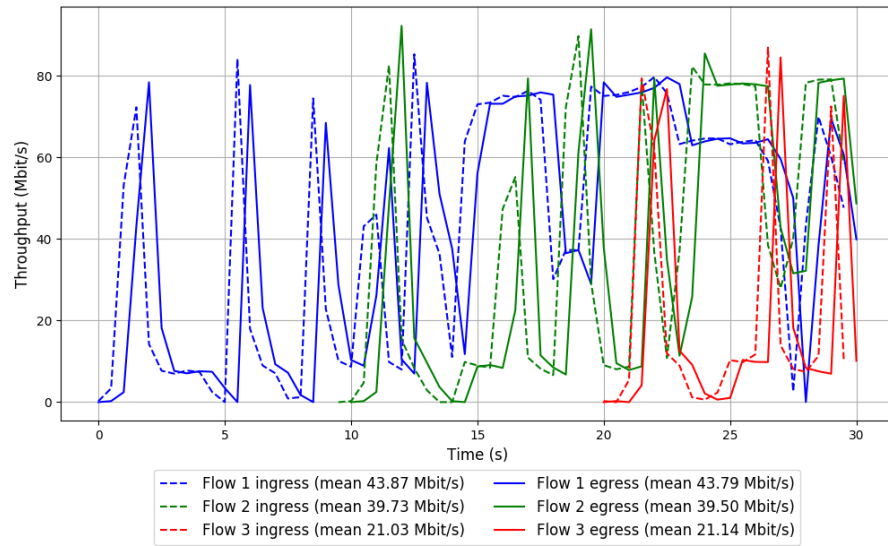
-- Flow 3:

Average throughput: 21.14 Mbit/s

95th percentile per-packet one-way delay: 61.324 ms

Loss rate: 0.71%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-11 16:33:05

End at: 2018-07-11 16:33:35

Local clock offset: -0.029 ms

Remote clock offset: 0.33 ms

Below is generated by plot.py at 2018-07-11 21:28:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.16 Mbit/s

95th percentile per-packet one-way delay: 60.774 ms

Loss rate: 1.40%

-- Flow 1:

Average throughput: 50.25 Mbit/s

95th percentile per-packet one-way delay: 60.948 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 33.69 Mbit/s

95th percentile per-packet one-way delay: 60.704 ms

Loss rate: 1.31%

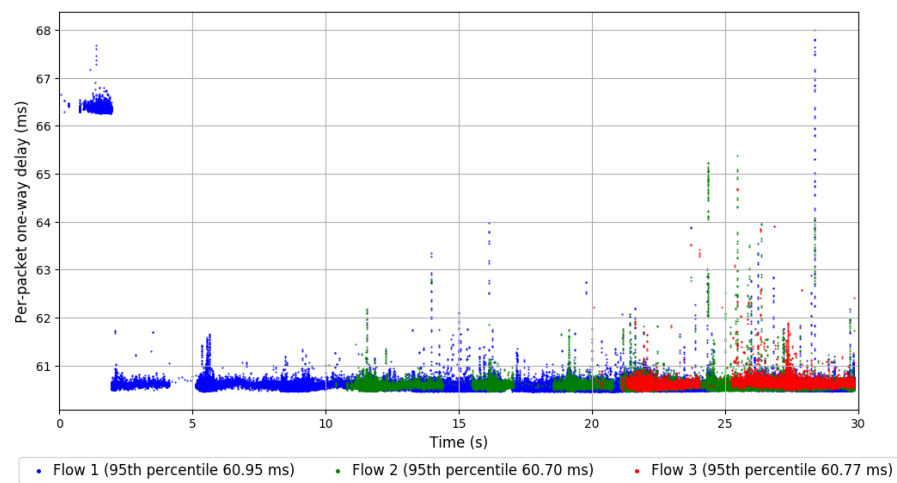
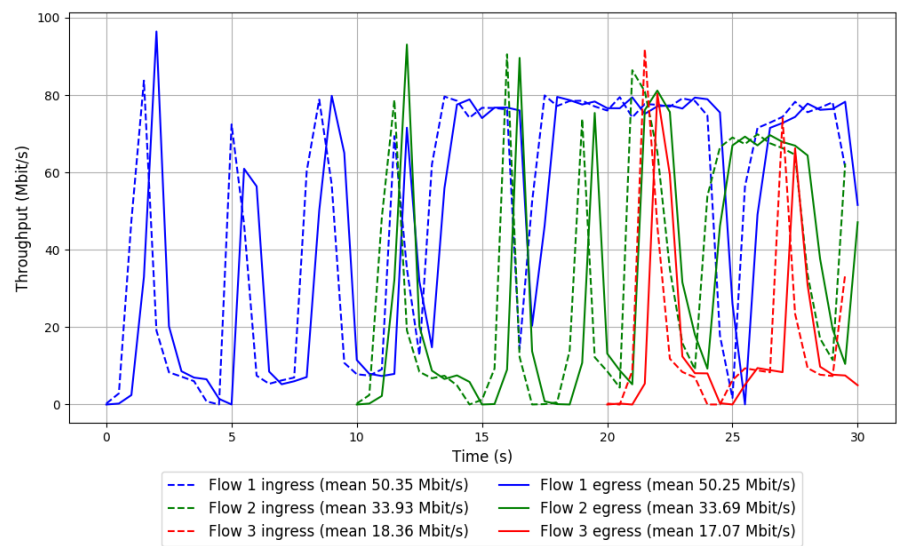
-- Flow 3:

Average throughput: 17.07 Mbit/s

95th percentile per-packet one-way delay: 60.774 ms

Loss rate: 8.14%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-11 16:58:29

End at: 2018-07-11 16:58:59

Local clock offset: 0.007 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-11 21:28:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.55 Mbit/s

95th percentile per-packet one-way delay: 61.065 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 44.32 Mbit/s

95th percentile per-packet one-way delay: 61.001 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 34.13 Mbit/s

95th percentile per-packet one-way delay: 61.051 ms

Loss rate: 1.32%

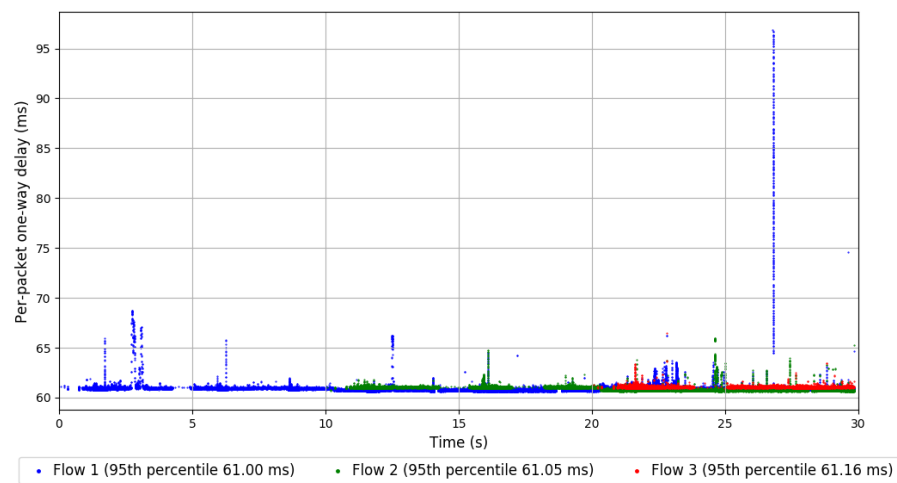
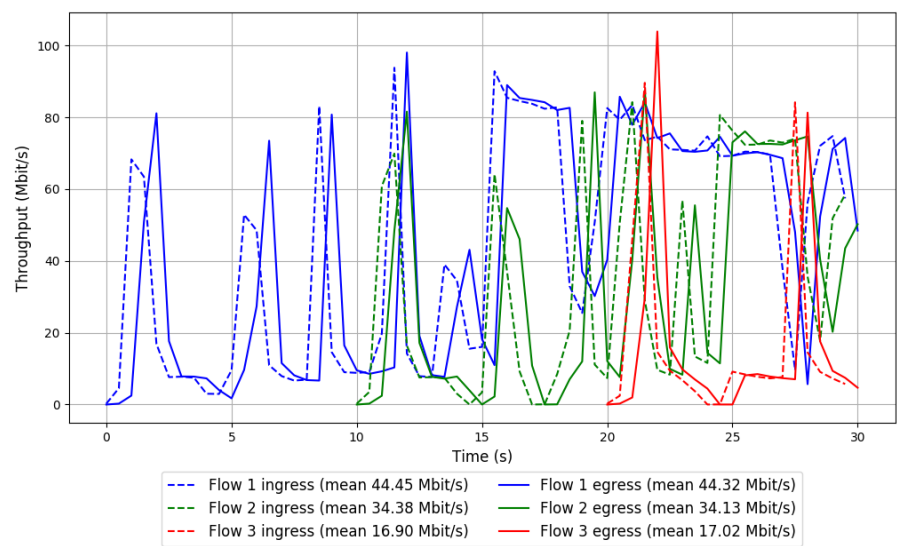
-- Flow 3:

Average throughput: 17.02 Mbit/s

95th percentile per-packet one-way delay: 61.162 ms

Loss rate: 0.56%

Run 6: Report of QUIC Cubic — Data Link

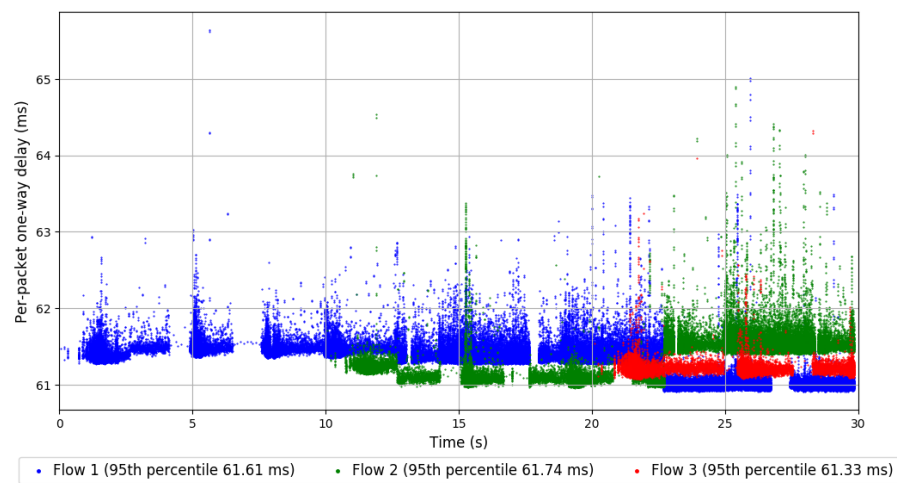
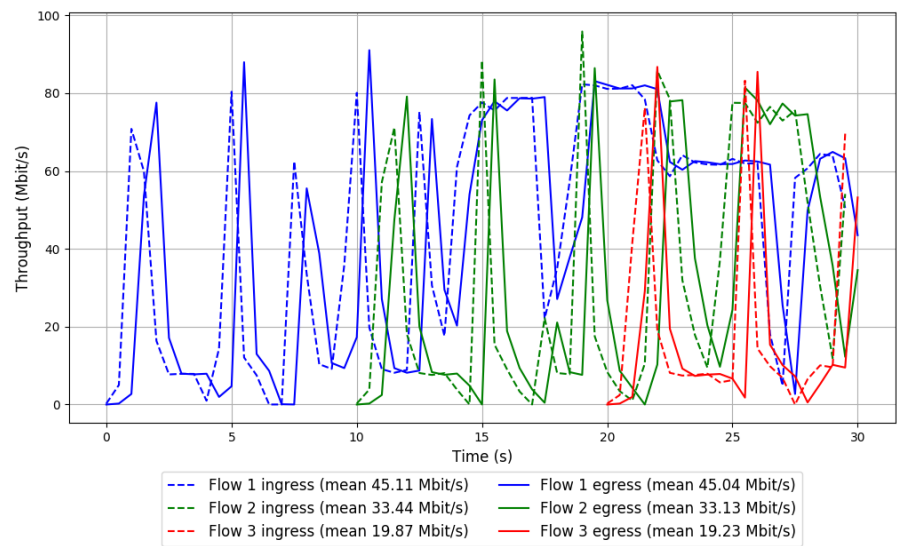


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-11 17:24:06
End at: 2018-07-11 17:24:36
Local clock offset: -0.034 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-07-11 21:28:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.34 Mbit/s
95th percentile per-packet one-way delay: 61.649 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 45.04 Mbit/s
95th percentile per-packet one-way delay: 61.610 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 33.13 Mbit/s
95th percentile per-packet one-way delay: 61.741 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 19.23 Mbit/s
95th percentile per-packet one-way delay: 61.329 ms
Loss rate: 4.48%

Run 7: Report of QUIC Cubic — Data Link

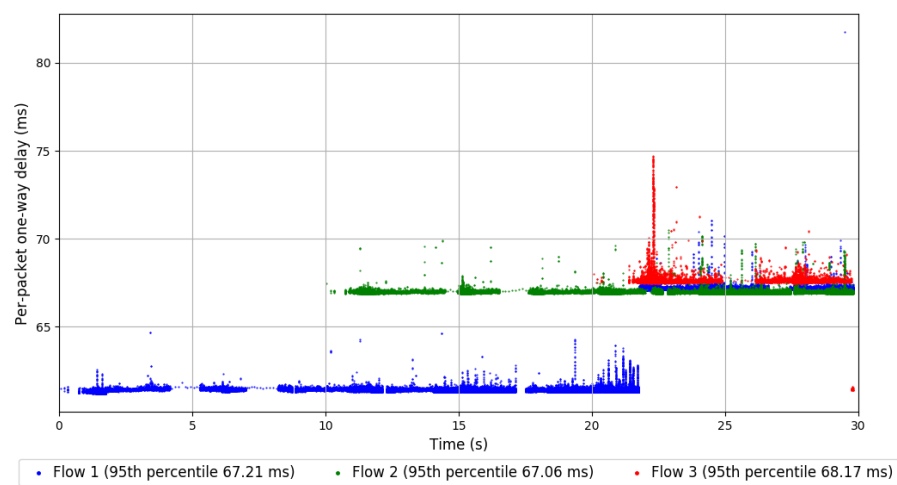
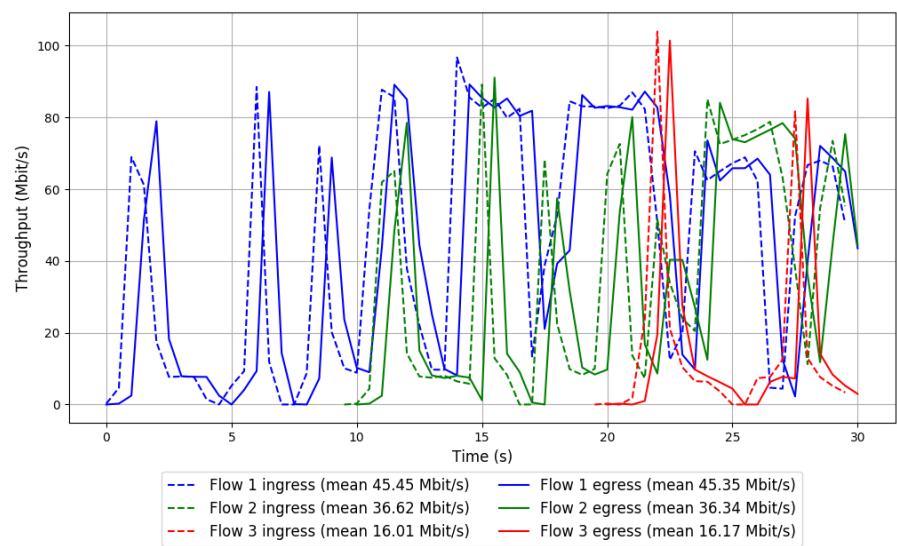


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-11 17:49:27
End at: 2018-07-11 17:49:57
Local clock offset: 0.012 ms
Remote clock offset: -0.415 ms

Below is generated by plot.py at 2018-07-11 21:28:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.79 Mbit/s
95th percentile per-packet one-way delay: 67.558 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 45.35 Mbit/s
95th percentile per-packet one-way delay: 67.208 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 36.34 Mbit/s
95th percentile per-packet one-way delay: 67.063 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 16.17 Mbit/s
95th percentile per-packet one-way delay: 68.165 ms
Loss rate: 0.34%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-11 18:14:17

End at: 2018-07-11 18:14:47

Local clock offset: -0.019 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-11 21:28:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.22 Mbit/s

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

Loss rate: 0.93%

-- Flow 1:

Average throughput: 40.24 Mbit/s

95th percentile per-packet one-way delay: 66.863 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 38.96 Mbit/s

95th percentile per-packet one-way delay: 61.042 ms

Loss rate: 1.18%

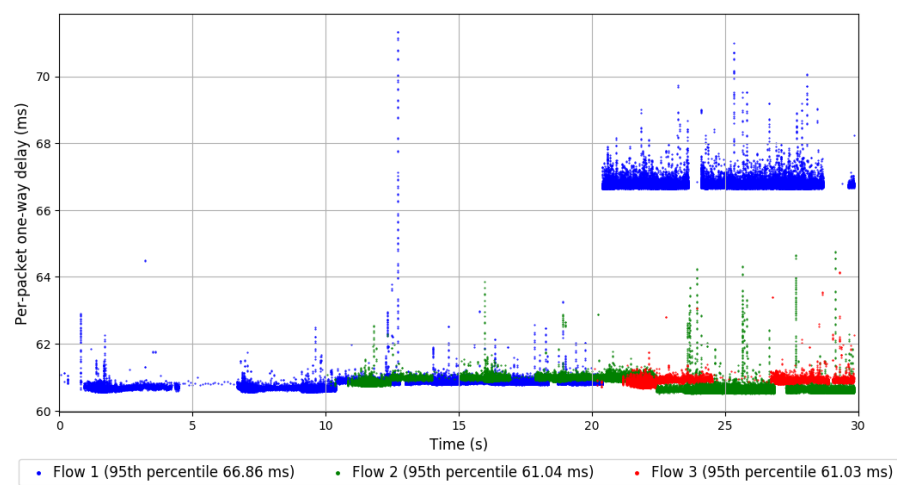
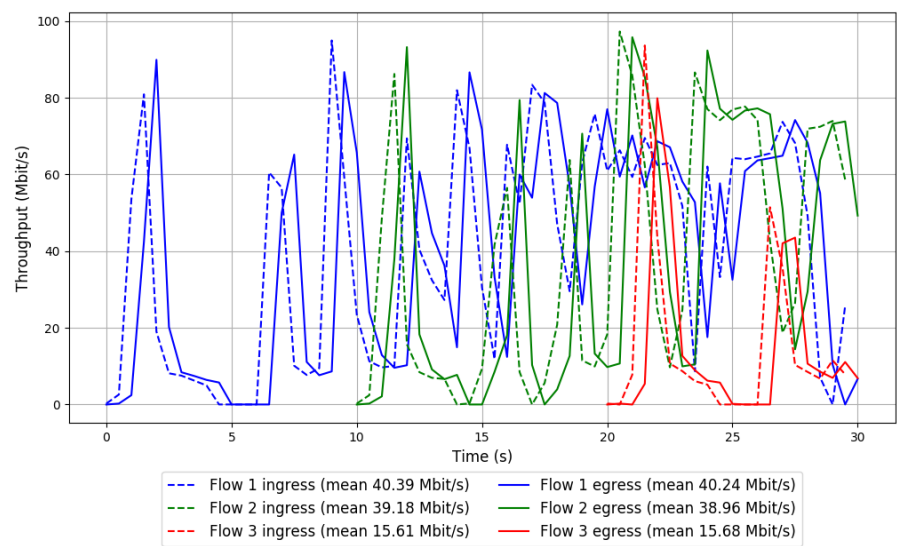
-- Flow 3:

Average throughput: 15.68 Mbit/s

95th percentile per-packet one-way delay: 61.032 ms

Loss rate: 0.76%

Run 9: Report of QUIC Cubic — Data Link

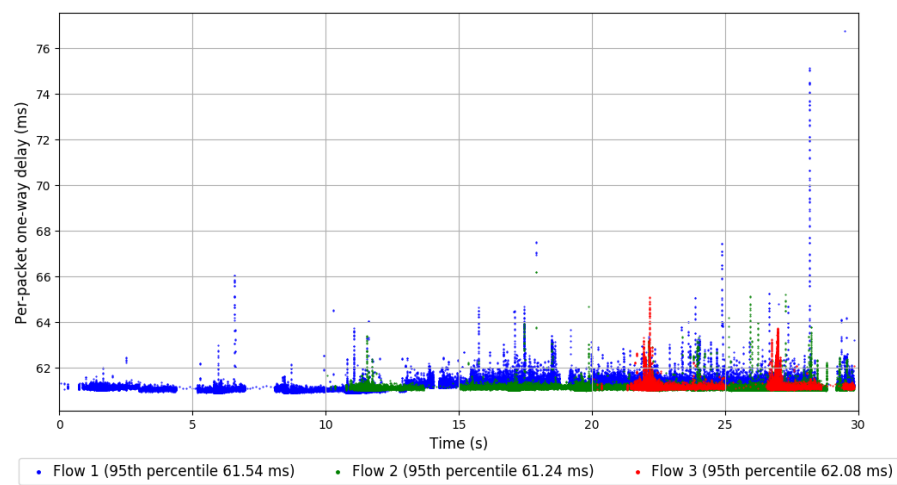
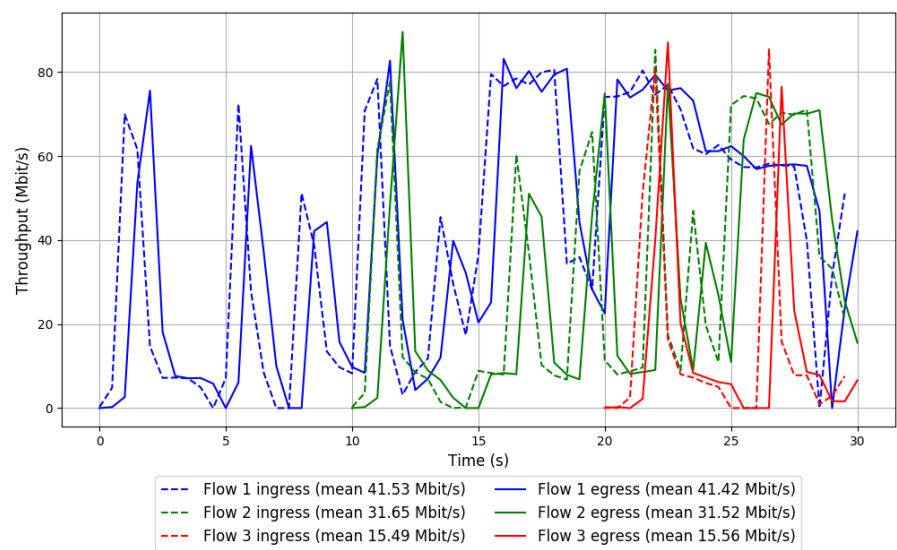


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-11 18:39:14
End at: 2018-07-11 18:39:44
Local clock offset: -0.028 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-07-11 21:28:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.43 Mbit/s
95th percentile per-packet one-way delay: 61.494 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 41.42 Mbit/s
95th percentile per-packet one-way delay: 61.540 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 31.52 Mbit/s
95th percentile per-packet one-way delay: 61.242 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 15.56 Mbit/s
95th percentile per-packet one-way delay: 62.077 ms
Loss rate: 0.76%

Run 10: Report of QUIC Cubic — Data Link

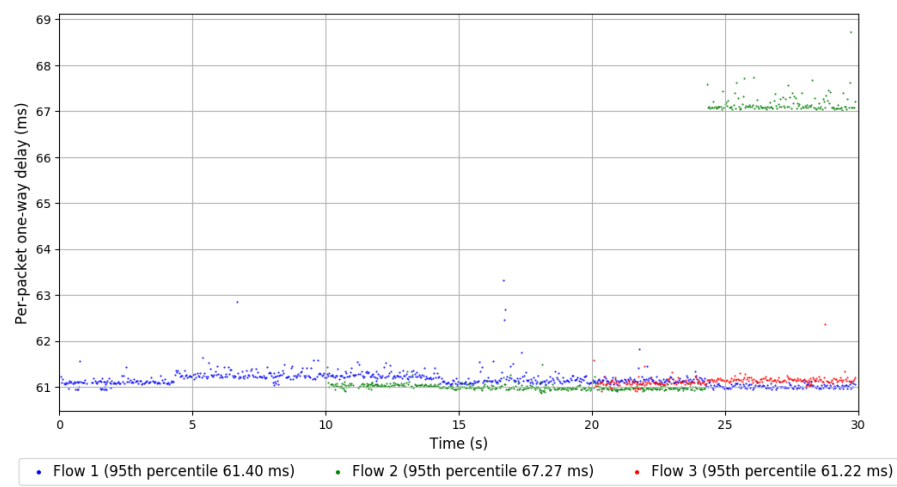
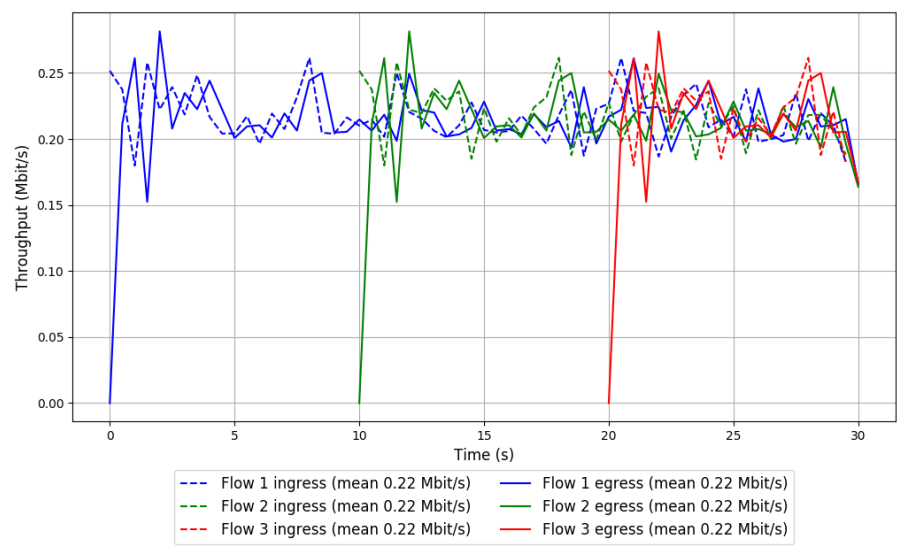


```
Run 1: Statistics of SReAM

Start at: 2018-07-11 14:51:45
End at: 2018-07-11 14:52:15
Local clock offset: 0.028 ms
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2018-07-11 21:28:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 67.095 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.396 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 67.265 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.224 ms
Loss rate: 1.08%
```


Run 1: Report of SCReAM — Data Link

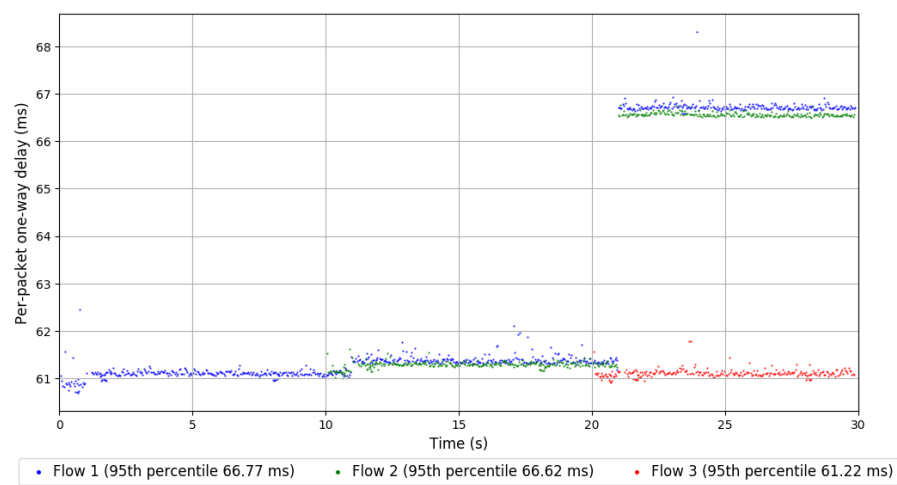
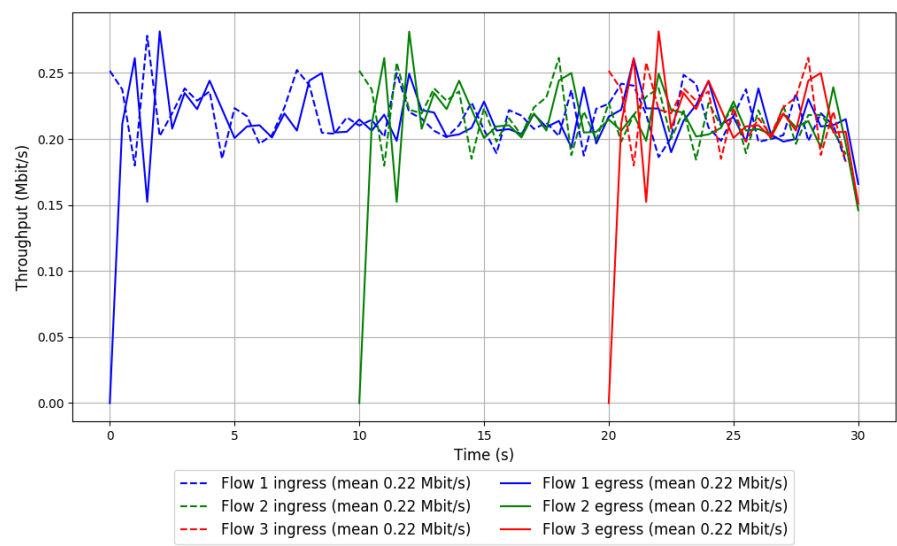


Run 2: Statistics of SReAM

Start at: 2018-07-11 15:16:38
End at: 2018-07-11 15:17:08
Local clock offset: 0.044 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-11 21:28:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 66.730 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.766 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.620 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.223 ms
Loss rate: 1.45%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-07-11 15:41:52

End at: 2018-07-11 15:42:22

Local clock offset: 0.035 ms

Remote clock offset: 0.08 ms

Below is generated by plot.py at 2018-07-11 21:28:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 66.743 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 66.770 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.249 ms

Loss rate: 0.61%

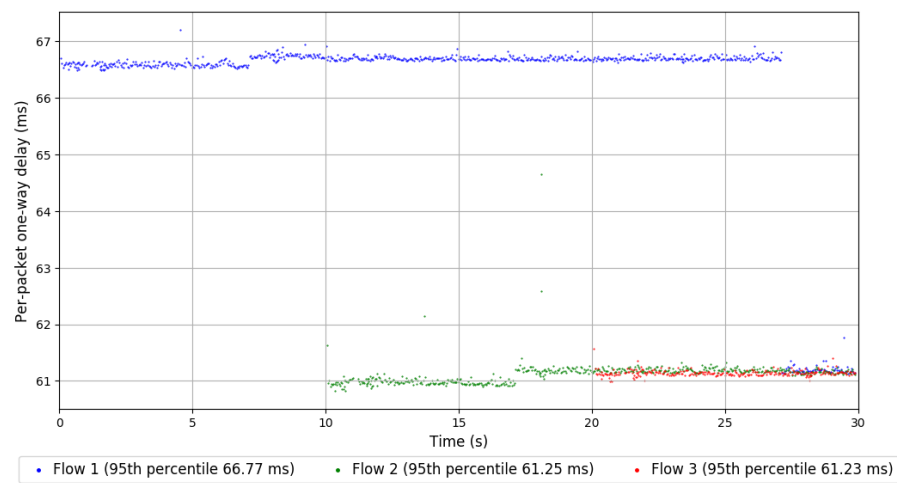
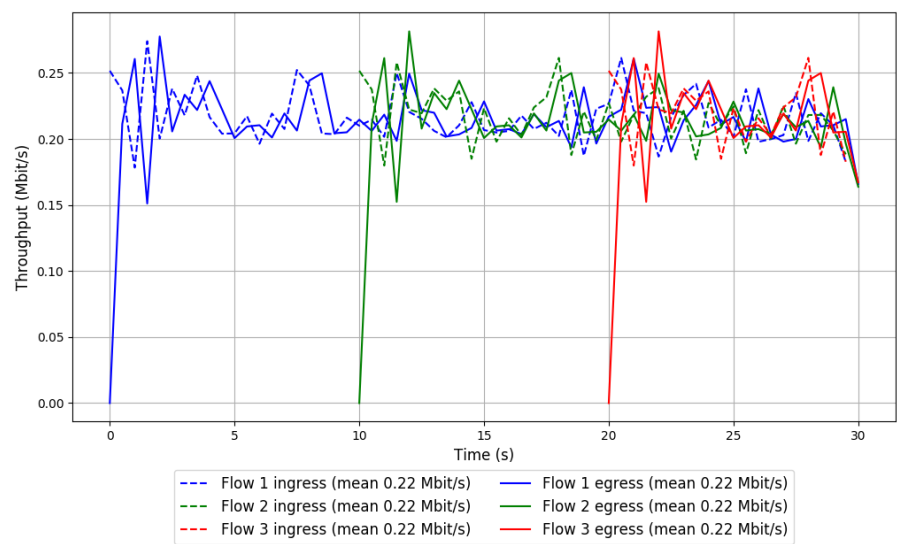
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.226 ms

Loss rate: 1.08%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-07-11 16:06:57

End at: 2018-07-11 16:07:27

Local clock offset: 0.014 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-07-11 21:28:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

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

Loss rate: 0.57%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 66.876 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 66.790 ms

Loss rate: 0.61%

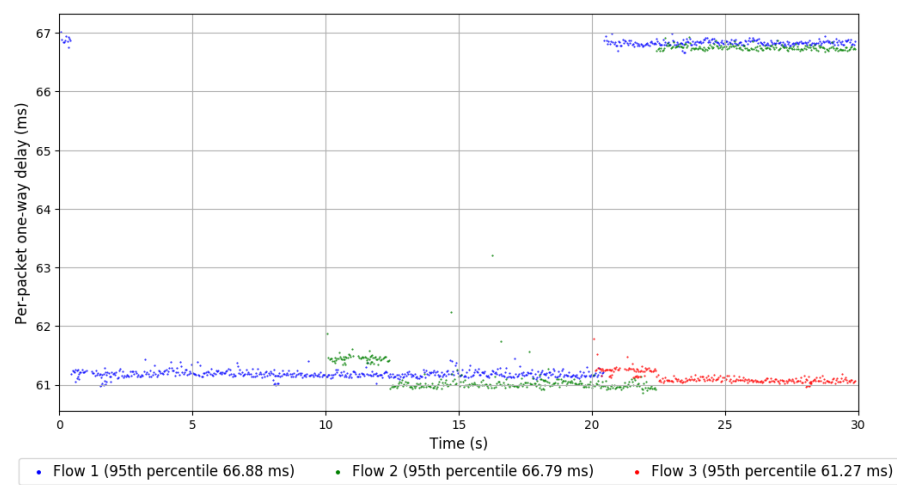
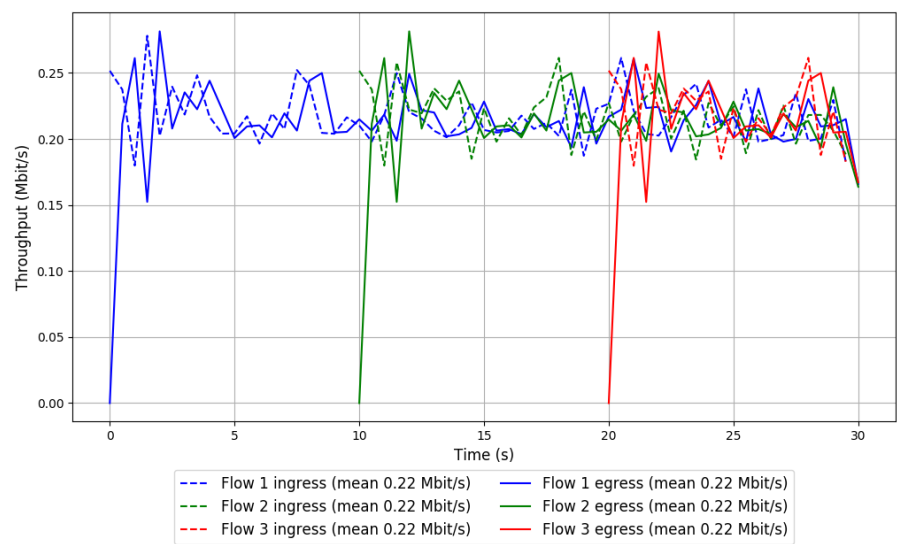
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.273 ms

Loss rate: 1.08%

Run 4: Report of SReAM — Data Link

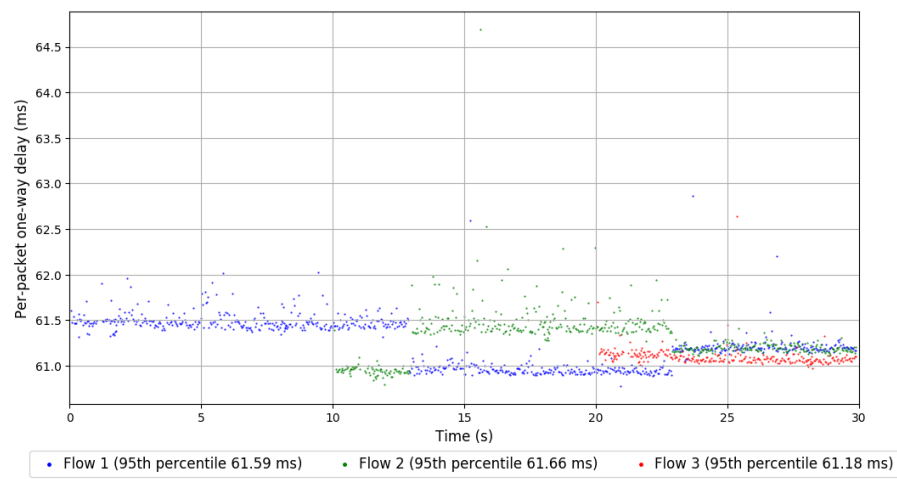
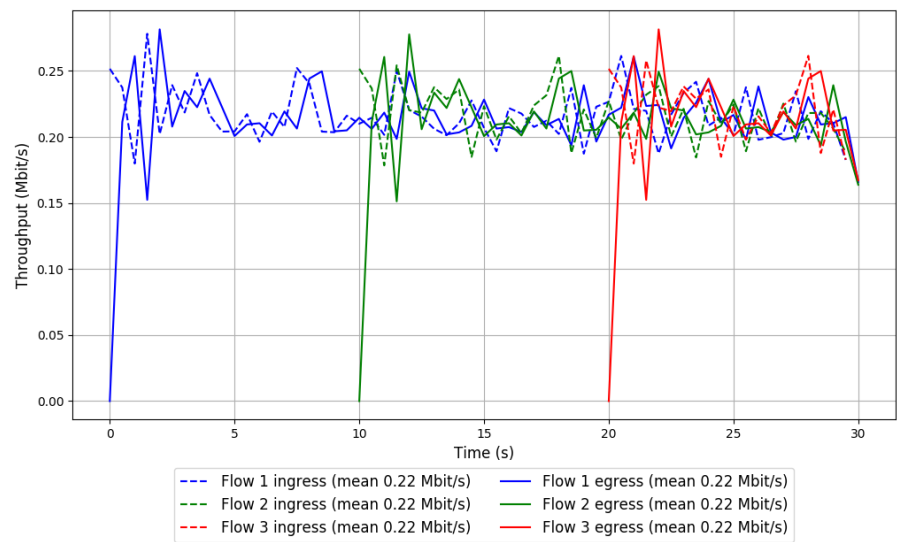


Run 5: Statistics of SReAM

Start at: 2018-07-11 16:31:56
End at: 2018-07-11 16:32:26
Local clock offset: 0.003 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-11 21:28:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 61.602 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.590 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.660 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.181 ms
Loss rate: 1.08%

Run 5: Report of SReAM — Data Link

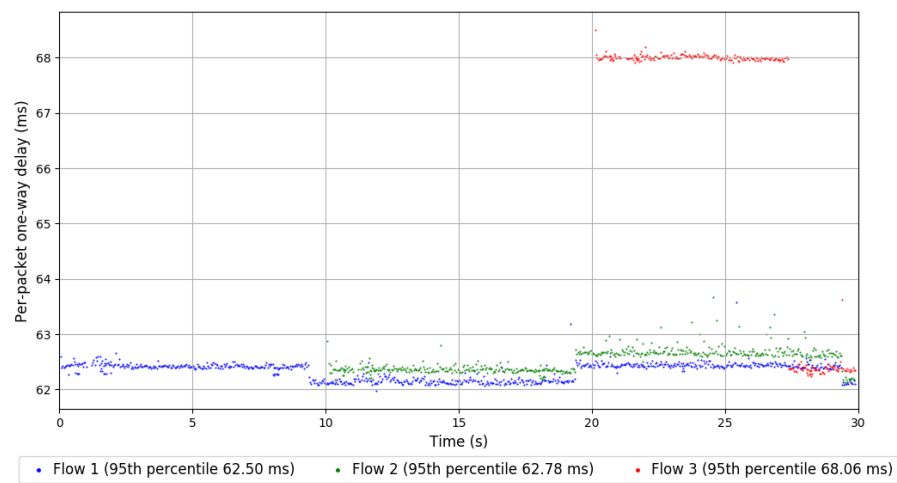
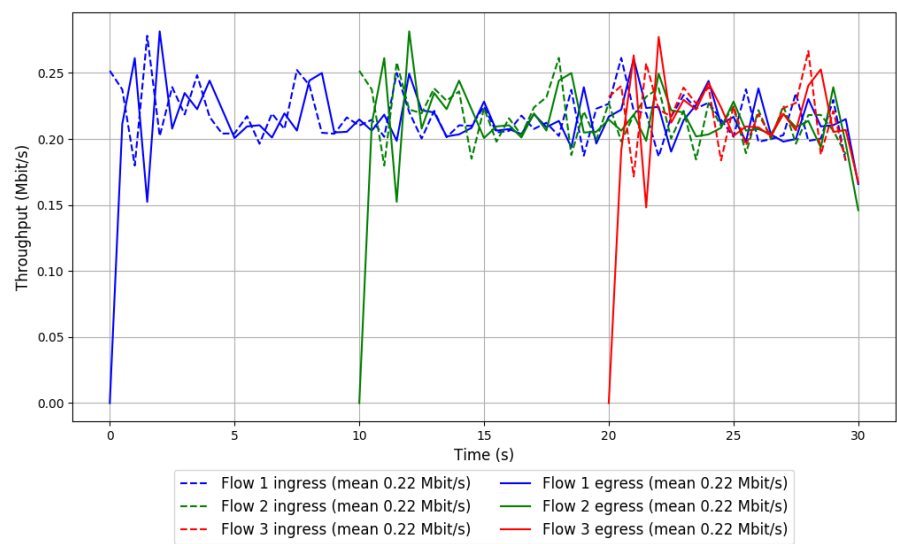


Run 6: Statistics of SCReAM

Start at: 2018-07-11 16:57:20
End at: 2018-07-11 16:57:50
Local clock offset: 0.017 ms
Remote clock offset: -1.238 ms

Below is generated by plot.py at 2018-07-11 21:28:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 68.008 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.496 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.781 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 68.058 ms
Loss rate: 1.10%

Run 6: Report of SReAM — Data Link

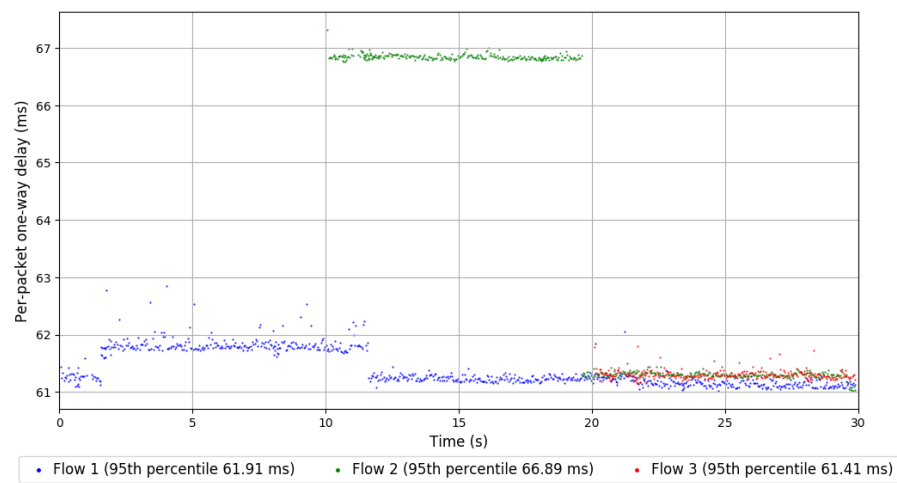
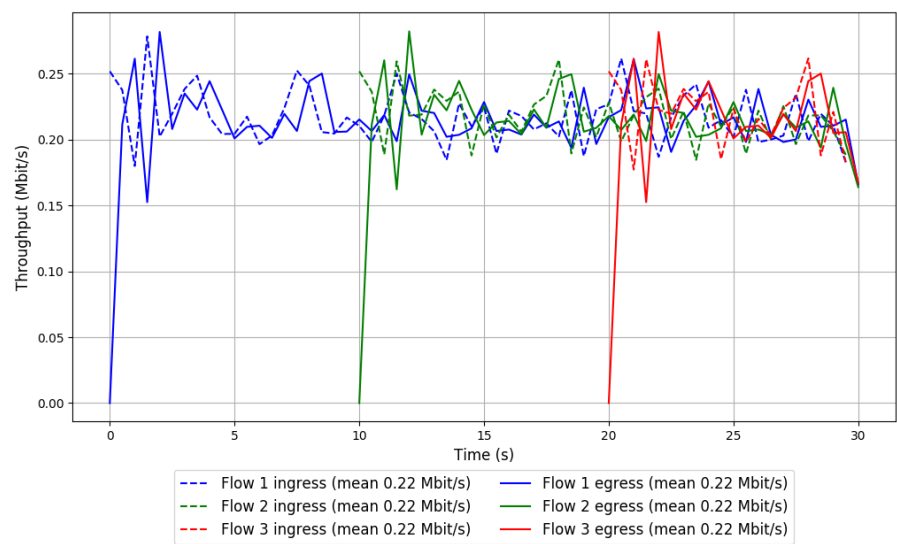


Run 7: Statistics of SReAM

Start at: 2018-07-11 17:22:58
End at: 2018-07-11 17:23:28
Local clock offset: -0.022 ms
Remote clock offset: -0.223 ms

Below is generated by plot.py at 2018-07-11 21:28:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 66.861 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.915 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.892 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.408 ms
Loss rate: 1.08%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-07-11 17:48:18

End at: 2018-07-11 17:48:48

Local clock offset: -0.007 ms

Remote clock offset: 1.014 ms

Below is generated by plot.py at 2018-07-11 21:28:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 65.757 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 65.796 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.277 ms

Loss rate: 0.61%

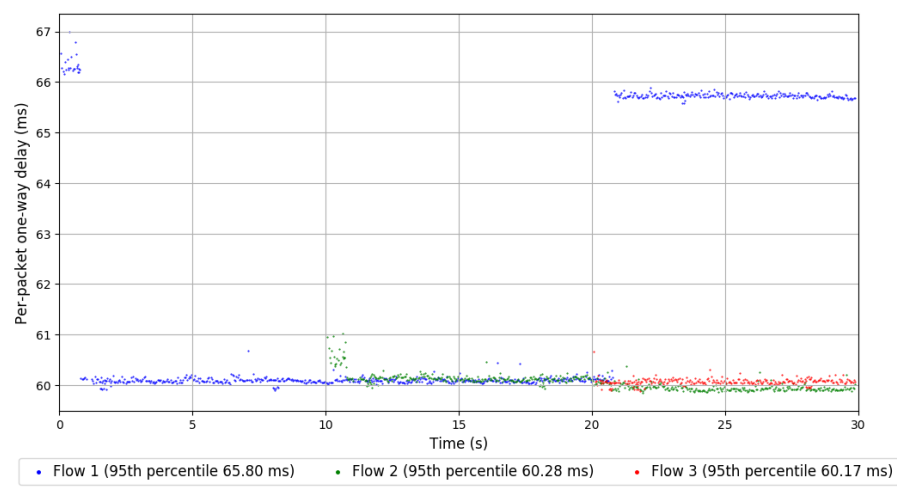
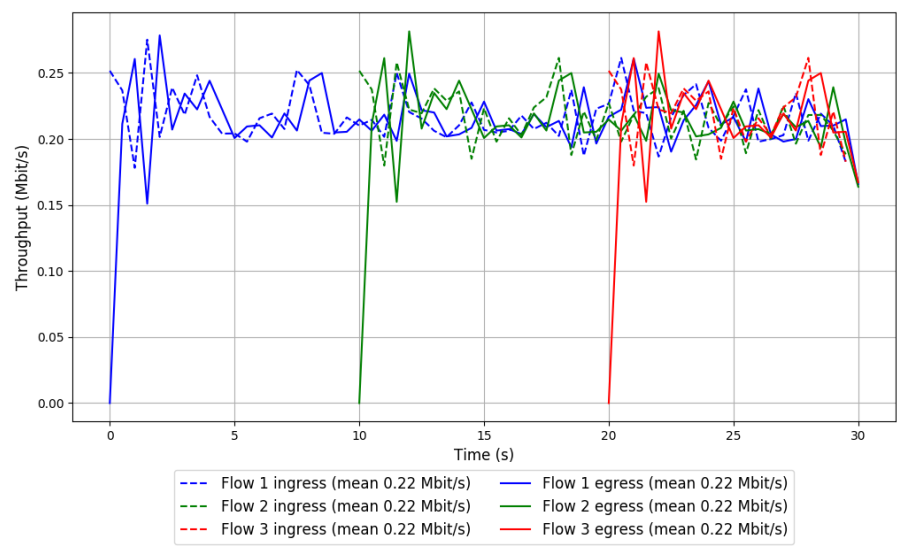
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.168 ms

Loss rate: 1.08%

Run 8: Report of SReAM — Data Link

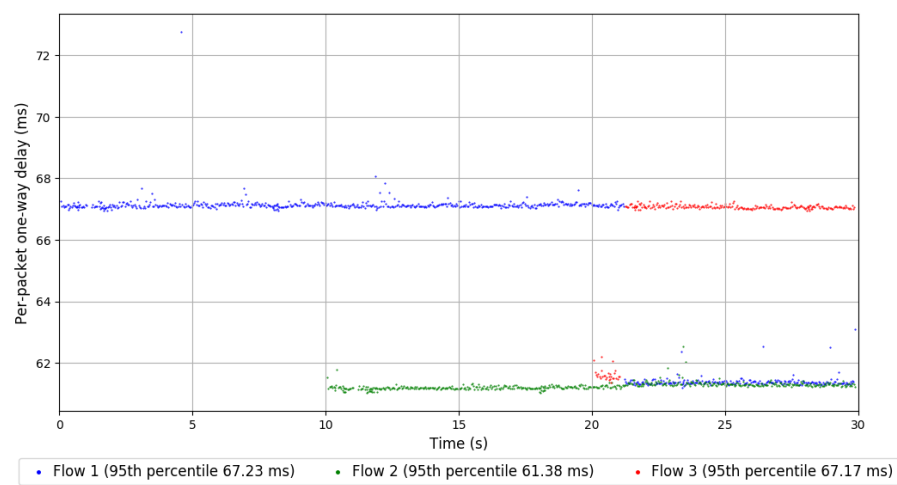
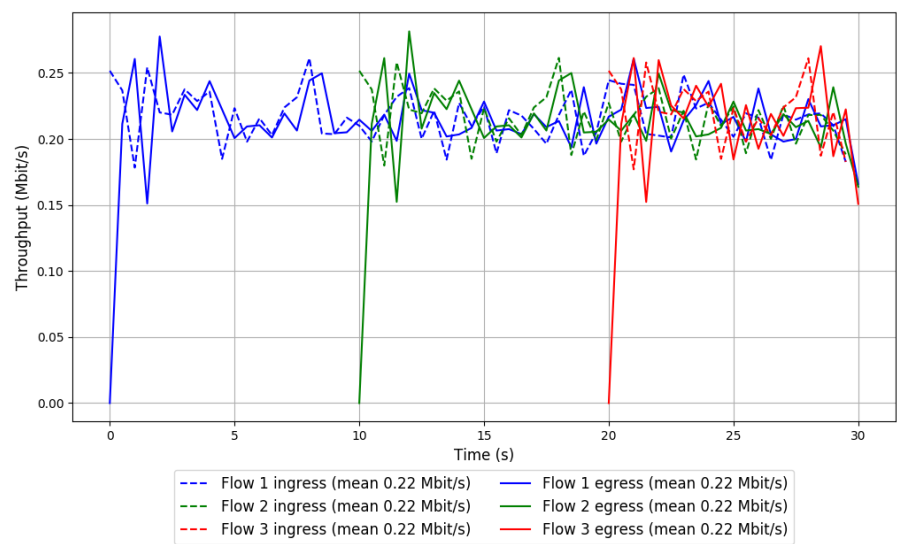


Run 9: Statistics of SReAM

Start at: 2018-07-11 18:13:08
End at: 2018-07-11 18:13:38
Local clock offset: -0.008 ms
Remote clock offset: -0.219 ms

Below is generated by plot.py at 2018-07-11 21:28:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 67.202 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 67.235 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.381 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 67.167 ms
Loss rate: 1.45%

Run 9: Report of SReAM — Data Link

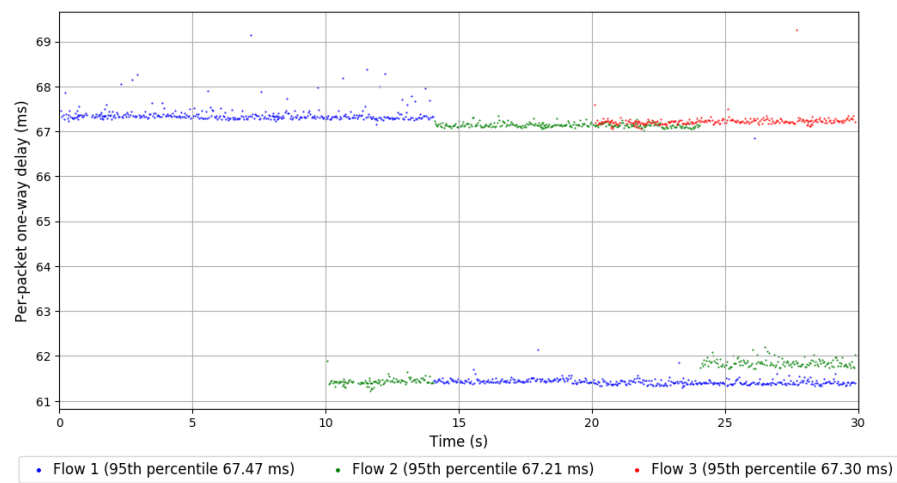
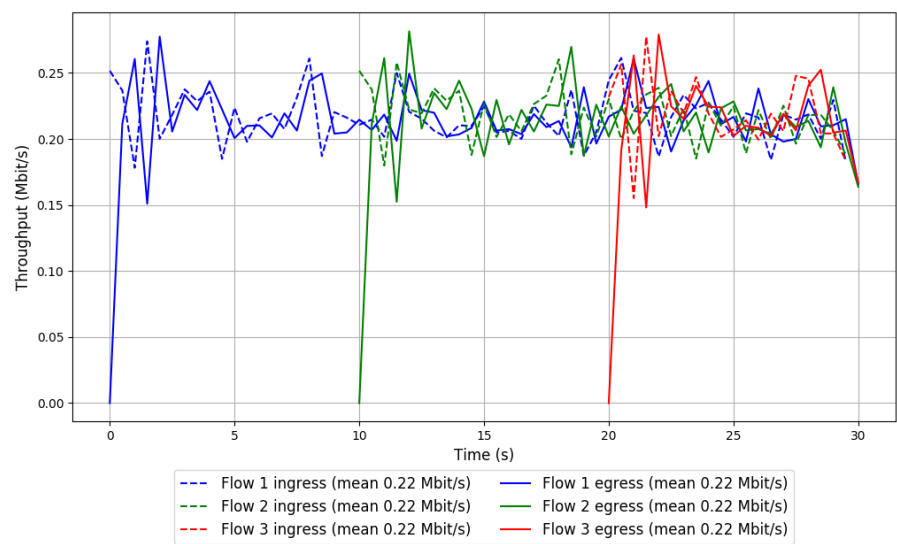


Run 10: Statistics of SReAM

Start at: 2018-07-11 18:38:05
End at: 2018-07-11 18:38:35
Local clock offset: -0.043 ms
Remote clock offset: -0.382 ms

Below is generated by plot.py at 2018-07-11 21:28:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 67.393 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 67.465 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 67.207 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 67.301 ms
Loss rate: 1.10%

Run 10: Report of SReAM — Data Link

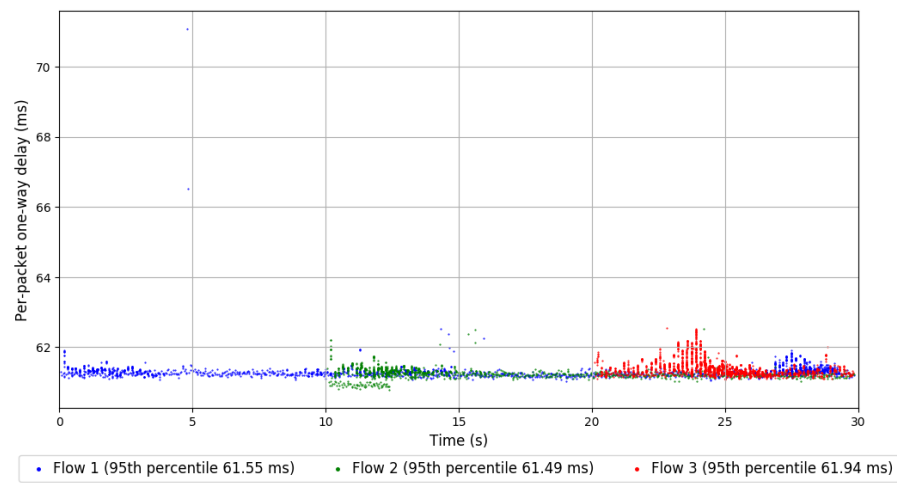
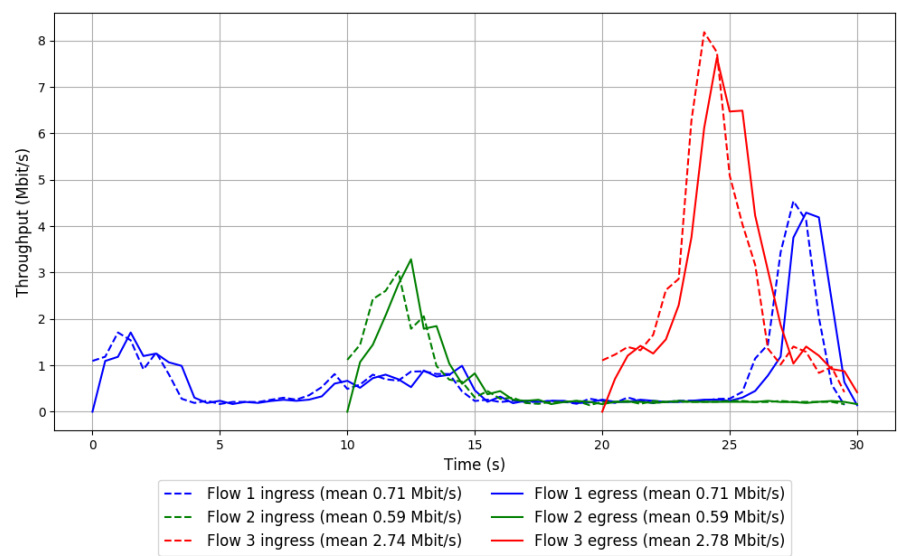


Run 1: Statistics of Sprout

Start at: 2018-07-11 14:35:57
End at: 2018-07-11 14:36:27
Local clock offset: -0.009 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-07-11 21:28:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 61.727 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 61.552 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 61.489 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 2.78 Mbit/s
95th percentile per-packet one-way delay: 61.944 ms
Loss rate: 0.17%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-11 15:00:57

End at: 2018-07-11 15:01:27

Local clock offset: 0.043 ms

Remote clock offset: -1.35 ms

Below is generated by plot.py at 2018-07-11 21:28:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.54 Mbit/s

95th percentile per-packet one-way delay: 63.360 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 1.36 Mbit/s

95th percentile per-packet one-way delay: 68.020 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 62.914 ms

Loss rate: 0.14%

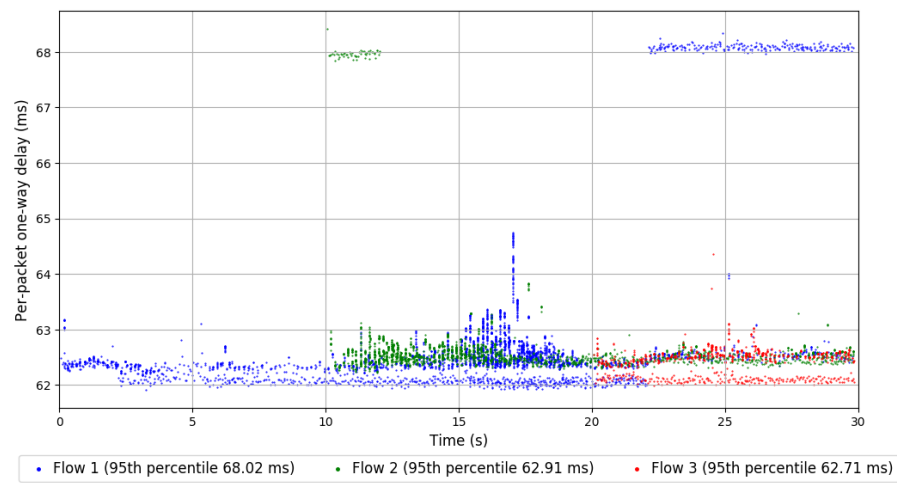
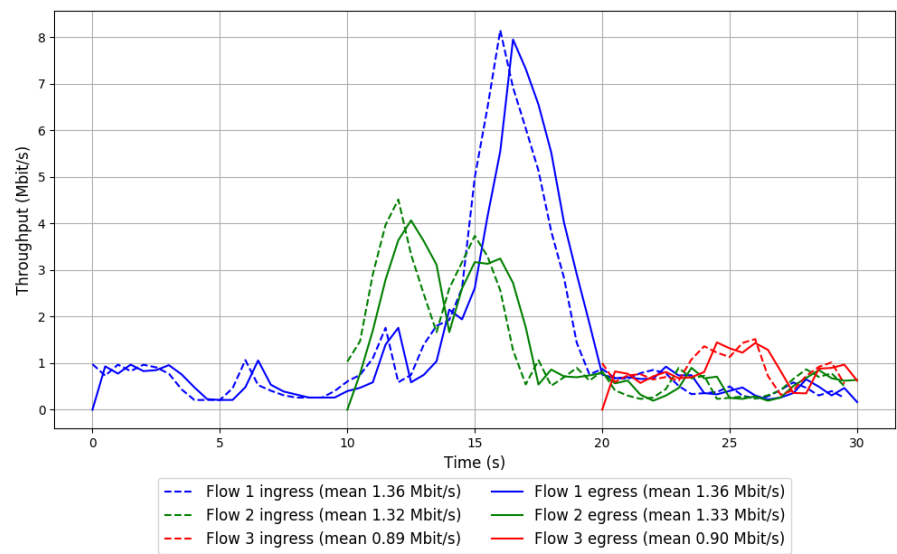
-- Flow 3:

Average throughput: 0.90 Mbit/s

95th percentile per-packet one-way delay: 62.709 ms

Loss rate: 0.02%

Run 2: Report of Sprout — Data Link

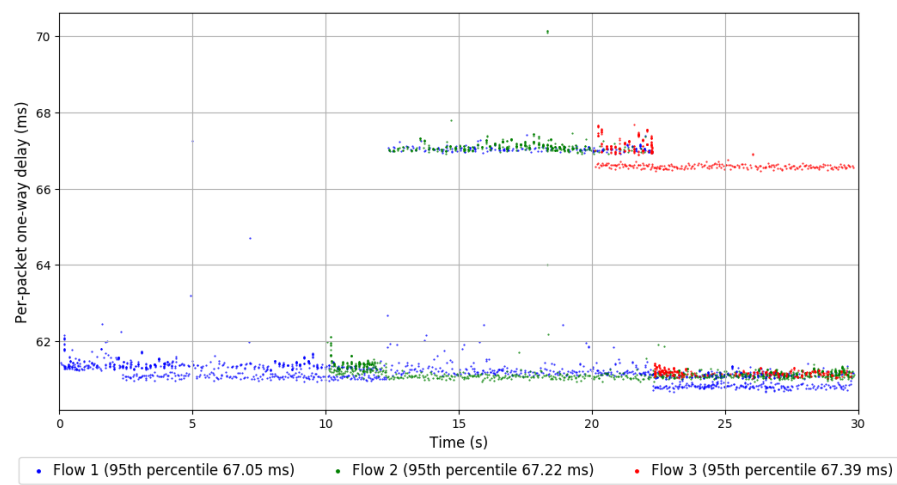
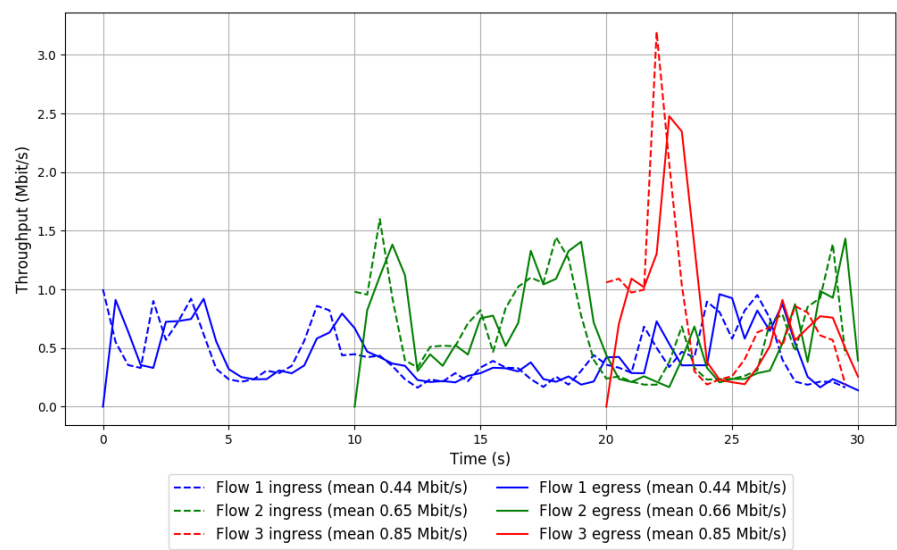


Run 3: Statistics of Sprout

Start at: 2018-07-11 15:25:57
End at: 2018-07-11 15:26:27
Local clock offset: 0.062 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-11 21:28:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.15 Mbit/s
95th percentile per-packet one-way delay: 67.173 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 67.053 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 67.224 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 67.387 ms
Loss rate: 0.43%

Run 3: Report of Sprout — Data Link

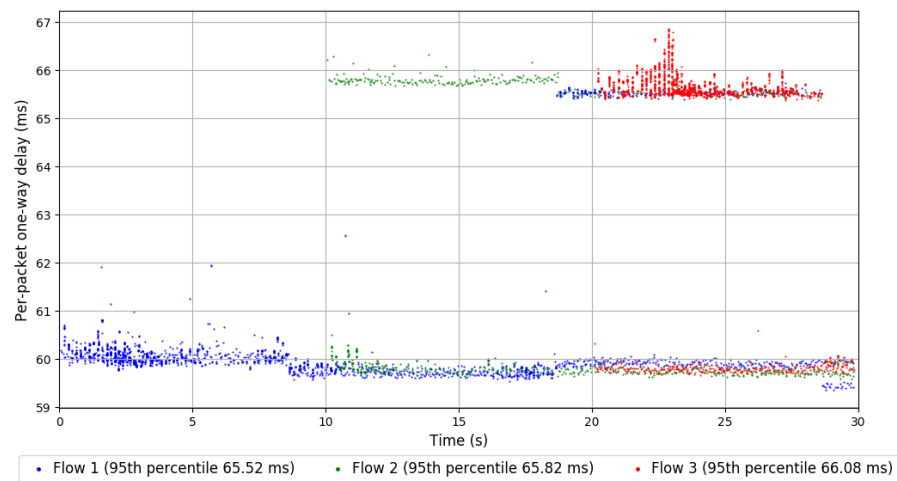
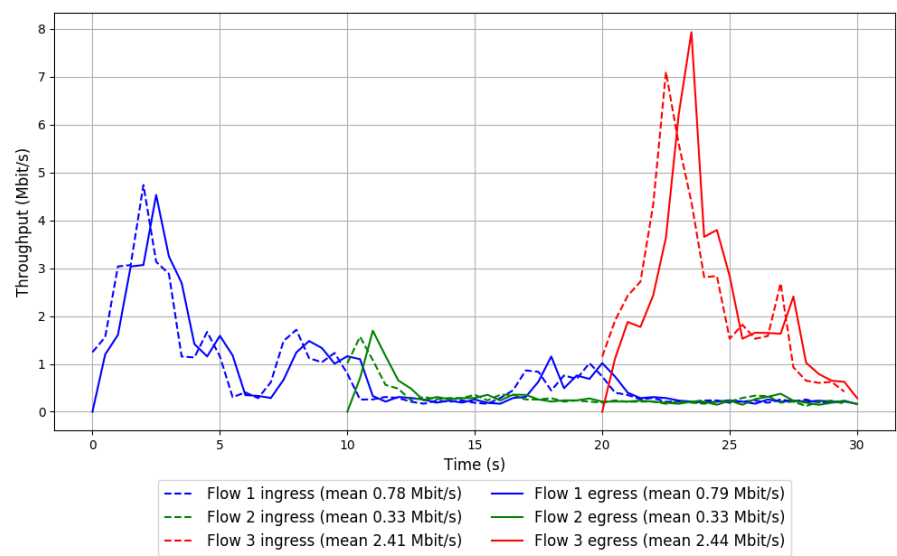


Run 4: Statistics of Sprout

Start at: 2018-07-11 15:51:00
End at: 2018-07-11 15:51:30
Local clock offset: 0.054 ms
Remote clock offset: 1.351 ms

```
# Below is generated by plot.py at 2018-07-11 21:28:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 65.909 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 65.517 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 65.822 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 66.083 ms
Loss rate: 0.29%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-11 16:16:09

End at: 2018-07-11 16:16:39

Local clock offset: 0.048 ms

Remote clock offset: 1.361 ms

Below is generated by plot.py at 2018-07-11 21:28:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.79 Mbit/s

95th percentile per-packet one-way delay: 60.499 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 60.309 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 60.147 ms

Loss rate: 0.24%

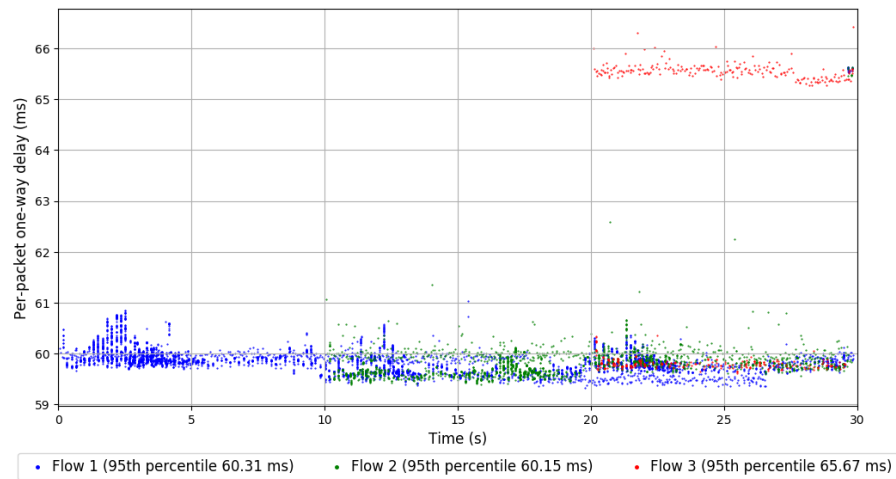
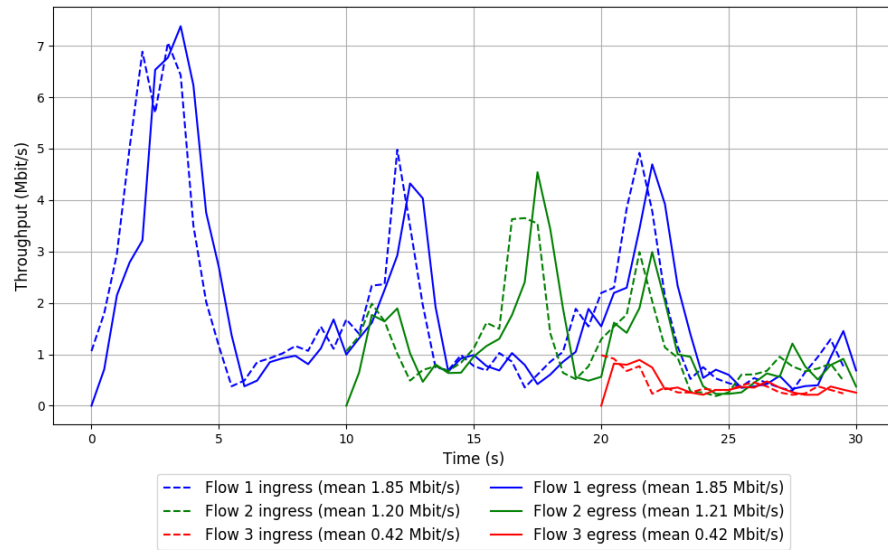
-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 65.674 ms

Loss rate: 0.61%

Run 5: Report of Sprout — Data Link

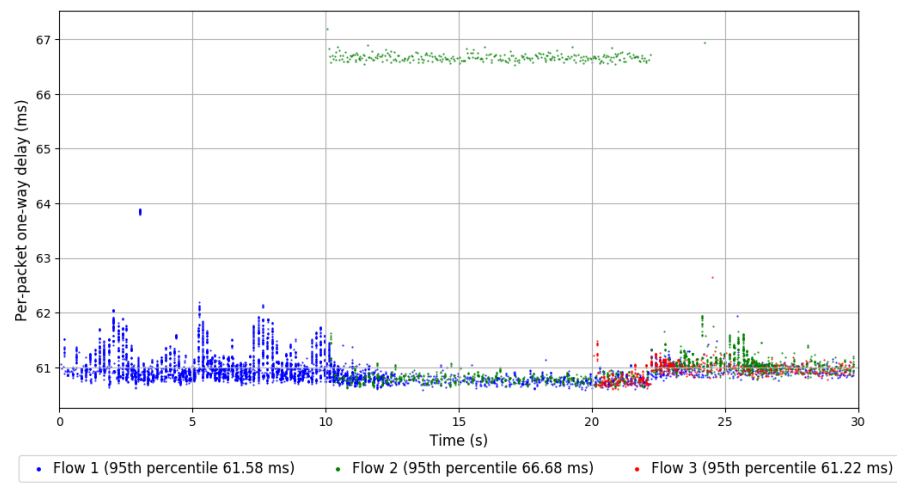
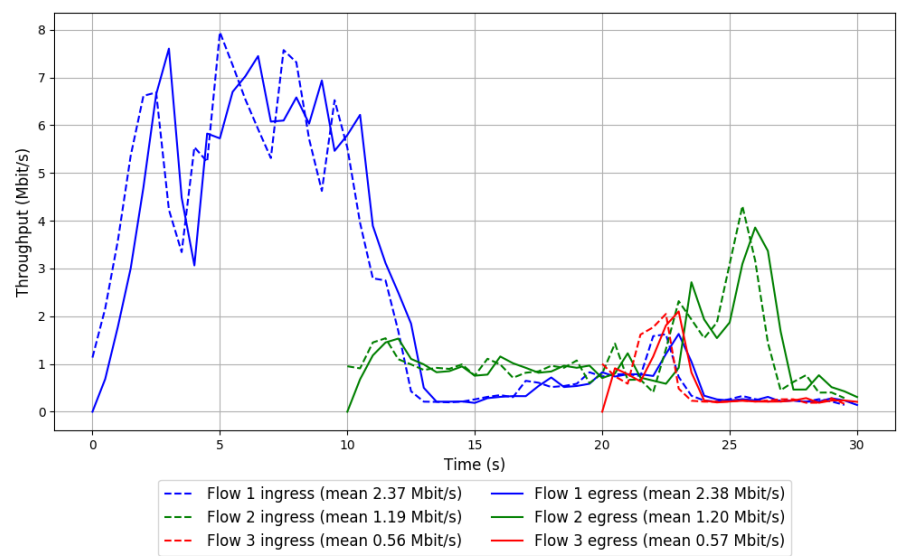


Run 6: Statistics of Sprout

Start at: 2018-07-11 16:41:17
End at: 2018-07-11 16:41:47
Local clock offset: -0.008 ms
Remote clock offset: 0.146 ms

Below is generated by plot.py at 2018-07-11 21:28:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 61.719 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 61.581 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 66.680 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 61.215 ms
Loss rate: 0.24%

Run 6: Report of Sprout — Data Link

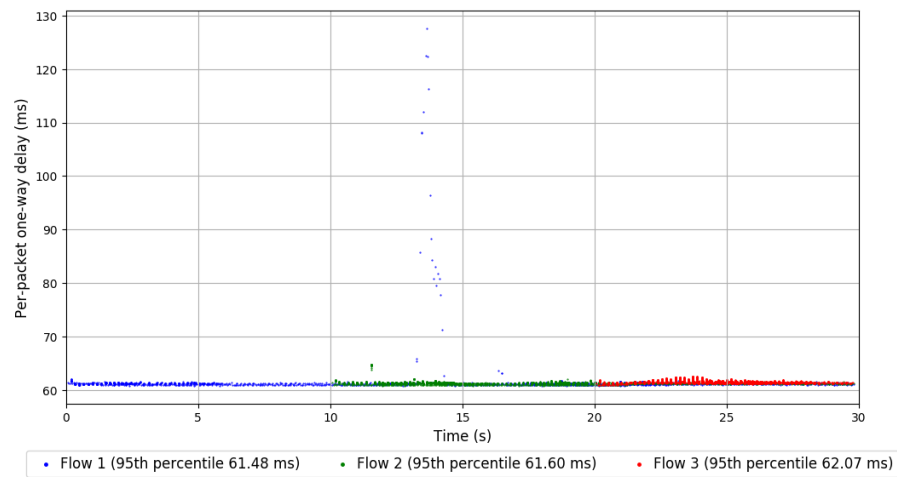
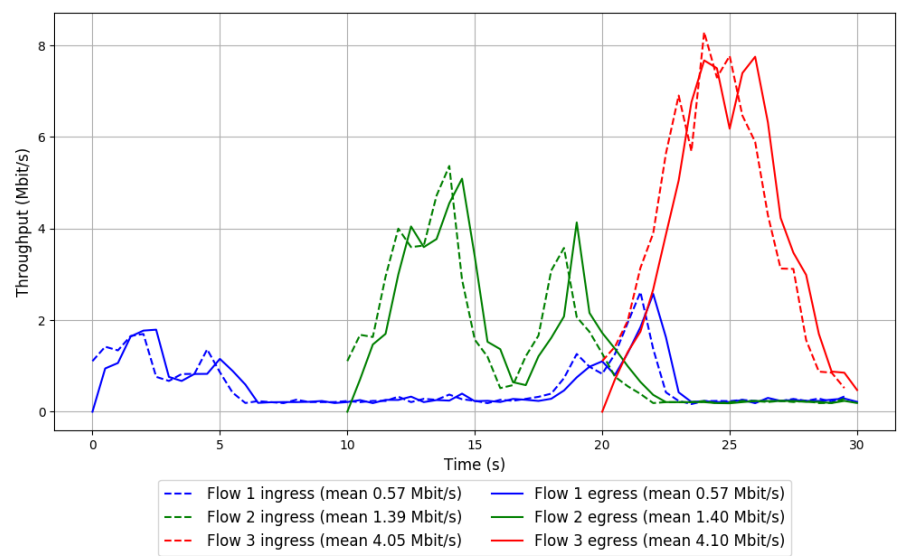


Run 7: Statistics of Sprout

Start at: 2018-07-11 17:06:48
End at: 2018-07-11 17:07:18
Local clock offset: 0.011 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-07-11 21:28:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.84 Mbit/s
95th percentile per-packet one-way delay: 61.902 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 61.485 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 61.598 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 62.069 ms
Loss rate: 0.41%

Run 7: Report of Sprout — Data Link

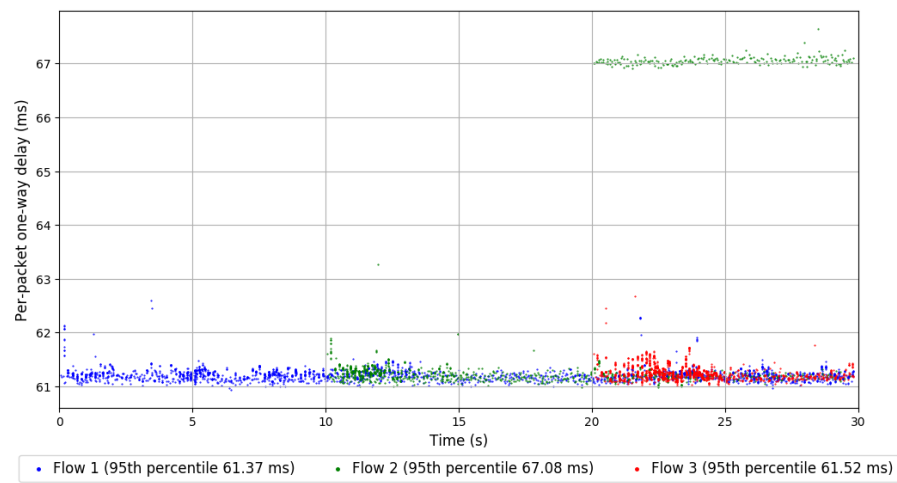
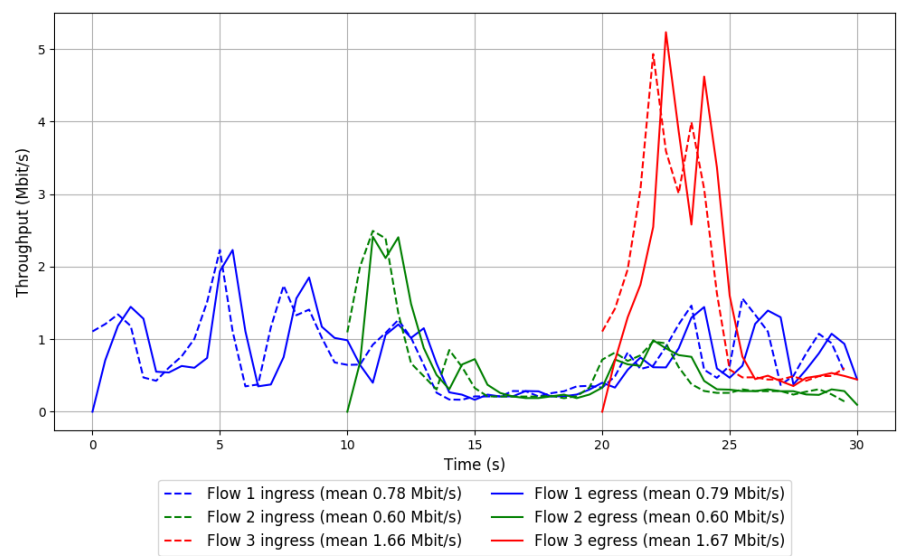


Run 8: Statistics of Sprout

Start at: 2018-07-11 17:32:29
End at: 2018-07-11 17:32:59
Local clock offset: -0.033 ms
Remote clock offset: -0.044 ms

```
# Below is generated by plot.py at 2018-07-11 21:28:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 61.660 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 61.367 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 67.081 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 61.525 ms
Loss rate: 0.63%
```

Run 8: Report of Sprout — Data Link

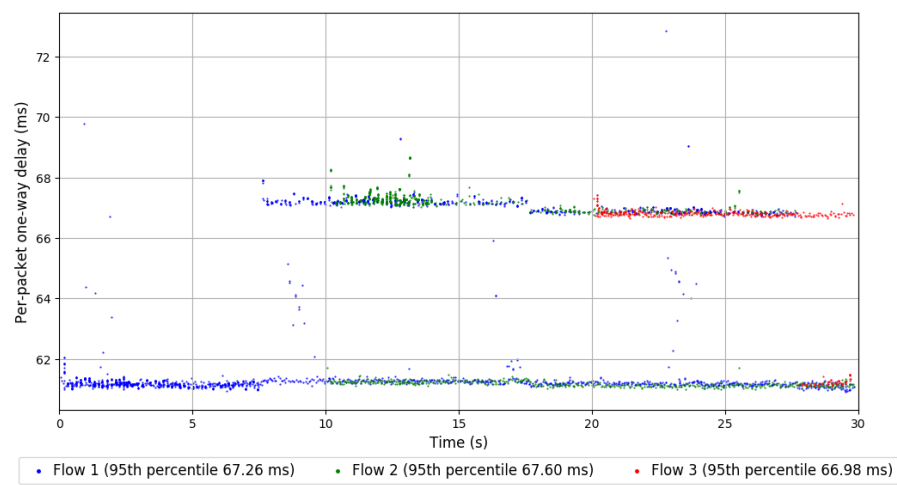
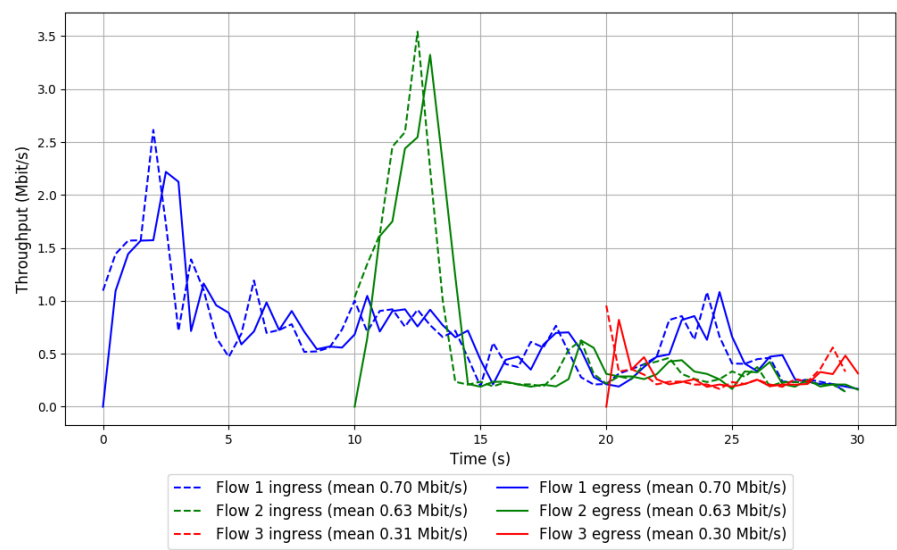


Run 9: Statistics of Sprout

Start at: 2018-07-11 17:57:21
End at: 2018-07-11 17:57:51
Local clock offset: -0.0 ms
Remote clock offset: -0.194 ms

Below is generated by plot.py at 2018-07-11 21:28:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 67.390 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 67.263 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 67.604 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 66.980 ms
Loss rate: 2.34%

Run 9: Report of Sprout — Data Link

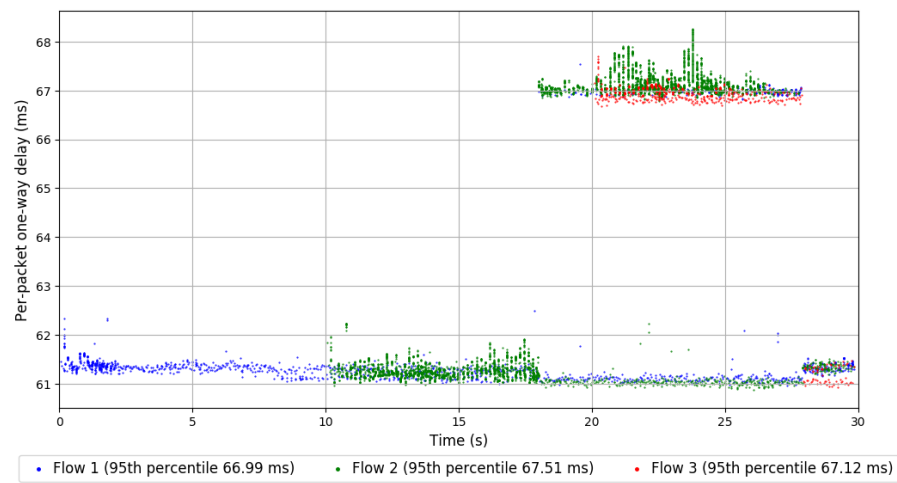
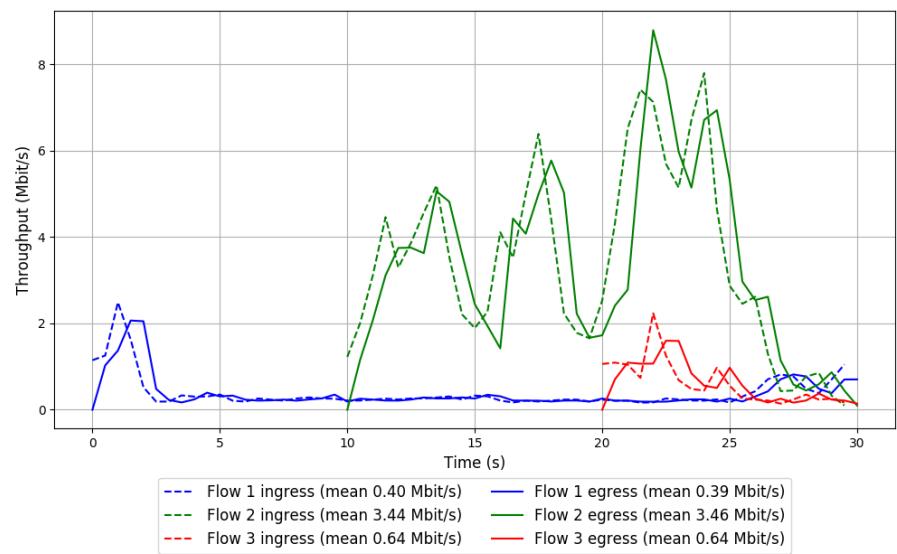


Run 10: Statistics of Sprout

Start at: 2018-07-11 18:22:31
End at: 2018-07-11 18:23:01
Local clock offset: -0.028 ms
Remote clock offset: -0.268 ms

Below is generated by plot.py at 2018-07-11 21:28:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.90 Mbit/s
95th percentile per-packet one-way delay: 67.405 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 66.992 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 67.508 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 67.125 ms
Loss rate: 0.55%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-11 14:39:37

End at: 2018-07-11 14:40:07

Local clock offset: 0.05 ms

Remote clock offset: 0.255 ms

Below is generated by plot.py at 2018-07-11 21:30:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 212.89 Mbit/s

95th percentile per-packet one-way delay: 66.458 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 73.63 Mbit/s

95th percentile per-packet one-way delay: 66.913 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 119.96 Mbit/s

95th percentile per-packet one-way delay: 63.651 ms

Loss rate: 0.11%

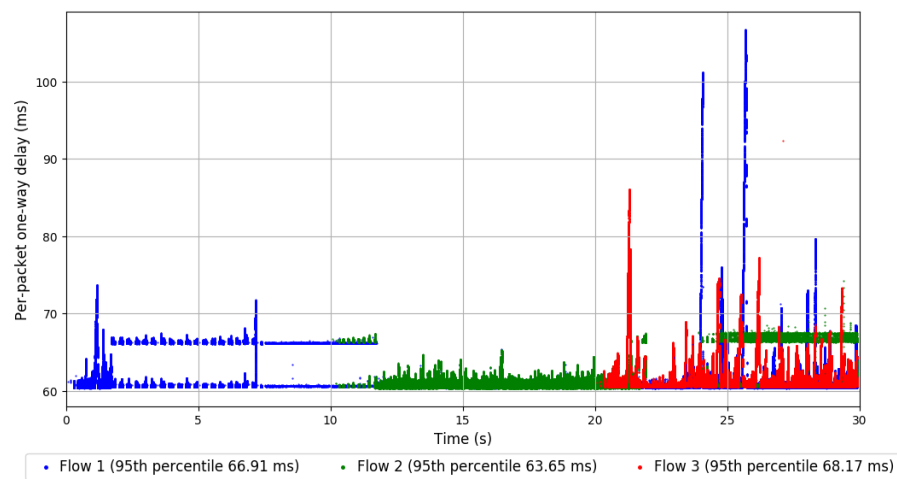
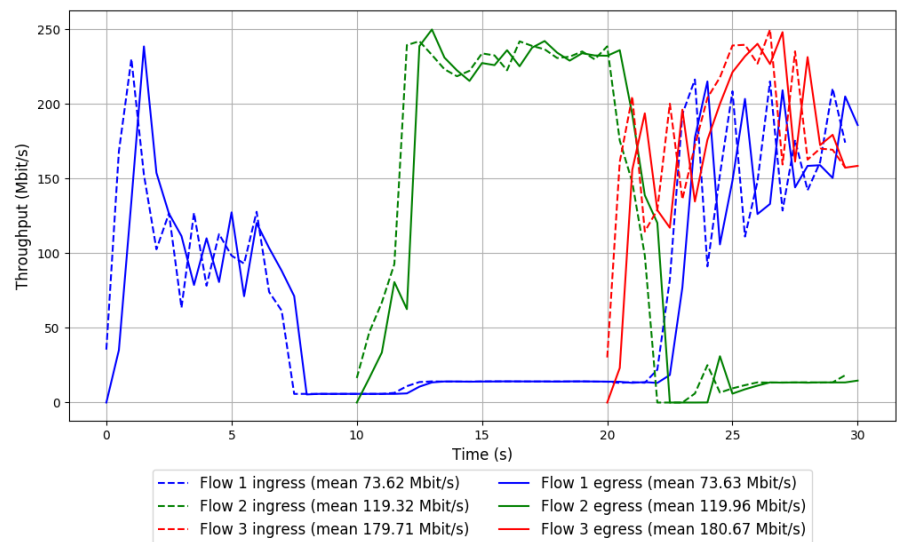
-- Flow 3:

Average throughput: 180.67 Mbit/s

95th percentile per-packet one-way delay: 68.175 ms

Loss rate: 0.72%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-11 15:04:38

End at: 2018-07-11 15:05:08

Local clock offset: -0.001 ms

Remote clock offset: 1.453 ms

Below is generated by plot.py at 2018-07-11 21:30:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 114.31 Mbit/s

95th percentile per-packet one-way delay: 66.218 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 93.65 Mbit/s

95th percentile per-packet one-way delay: 66.397 ms

Loss rate: 1.22%

-- Flow 2:

Average throughput: 19.15 Mbit/s

95th percentile per-packet one-way delay: 66.288 ms

Loss rate: 0.47%

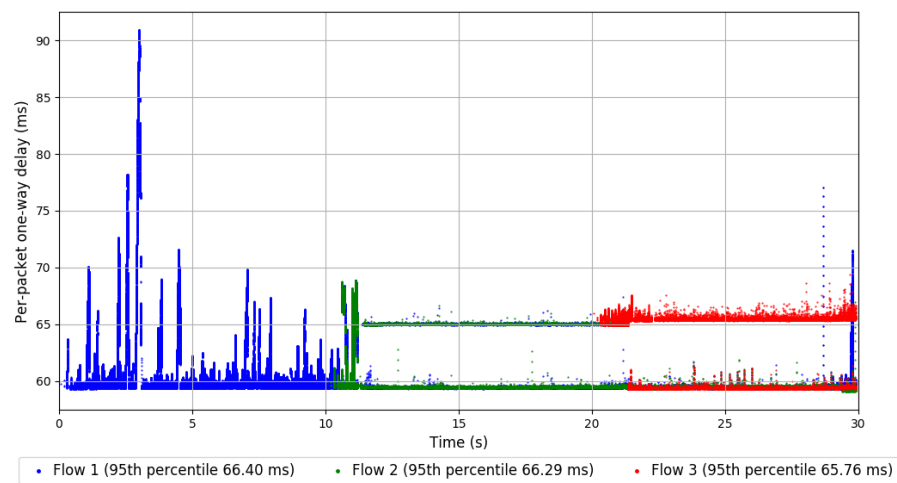
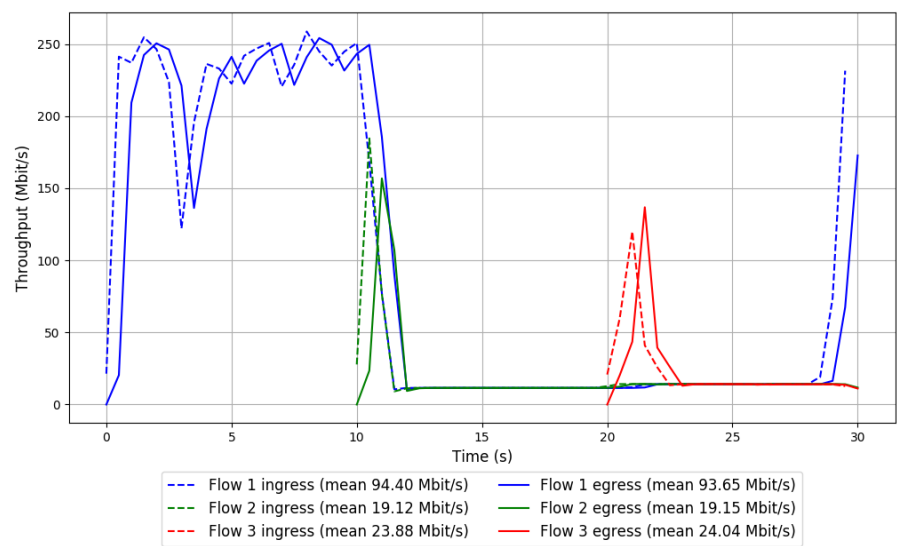
-- Flow 3:

Average throughput: 24.04 Mbit/s

95th percentile per-packet one-way delay: 65.758 ms

Loss rate: 0.71%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-11 15:29:42

End at: 2018-07-11 15:30:12

Local clock offset: 0.074 ms

Remote clock offset: 0.117 ms

Below is generated by plot.py at 2018-07-11 21:31:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 256.61 Mbit/s

95th percentile per-packet one-way delay: 69.545 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 149.72 Mbit/s

95th percentile per-packet one-way delay: 68.967 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 65.17 Mbit/s

95th percentile per-packet one-way delay: 66.989 ms

Loss rate: 0.09%

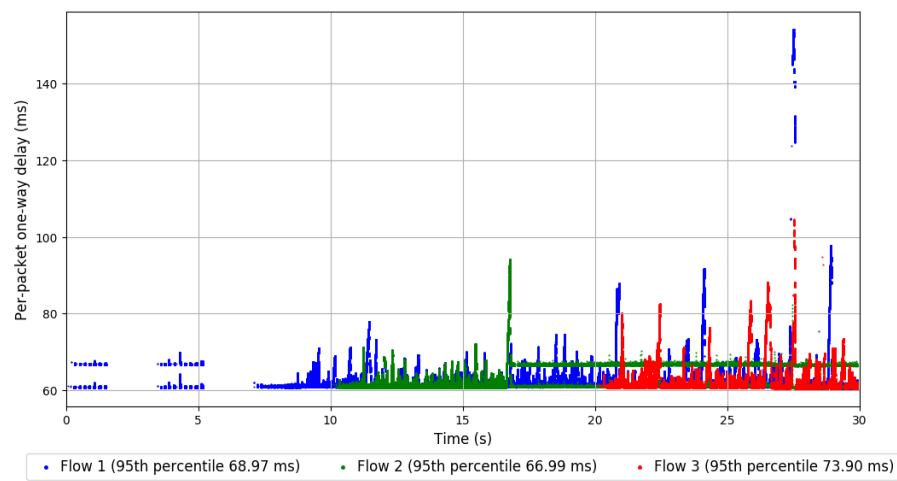
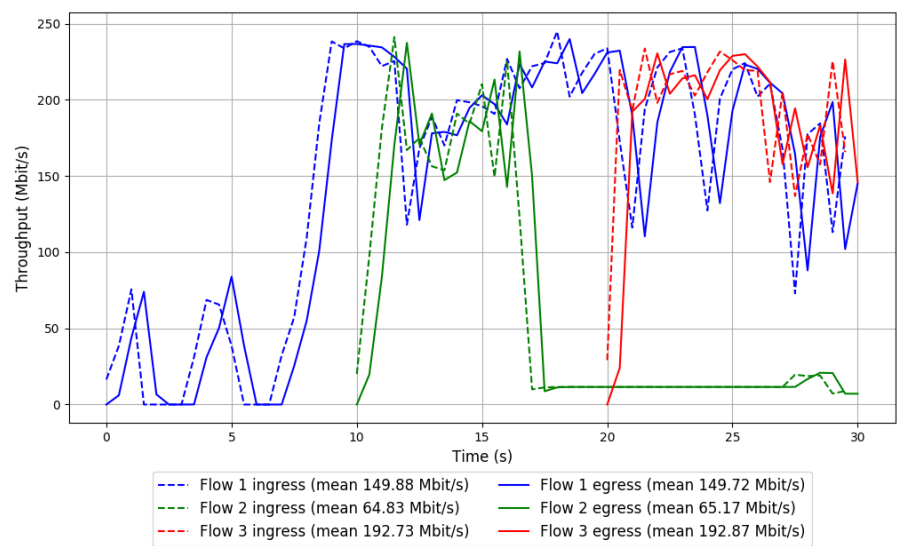
-- Flow 3:

Average throughput: 192.87 Mbit/s

95th percentile per-packet one-way delay: 73.897 ms

Loss rate: 1.15%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-11 15:54:45

End at: 2018-07-11 15:55:15

Local clock offset: 0.062 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2018-07-11 21:31:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 228.74 Mbit/s

95th percentile per-packet one-way delay: 69.055 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 23.90 Mbit/s

95th percentile per-packet one-way delay: 67.068 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 215.84 Mbit/s

95th percentile per-packet one-way delay: 70.270 ms

Loss rate: 0.64%

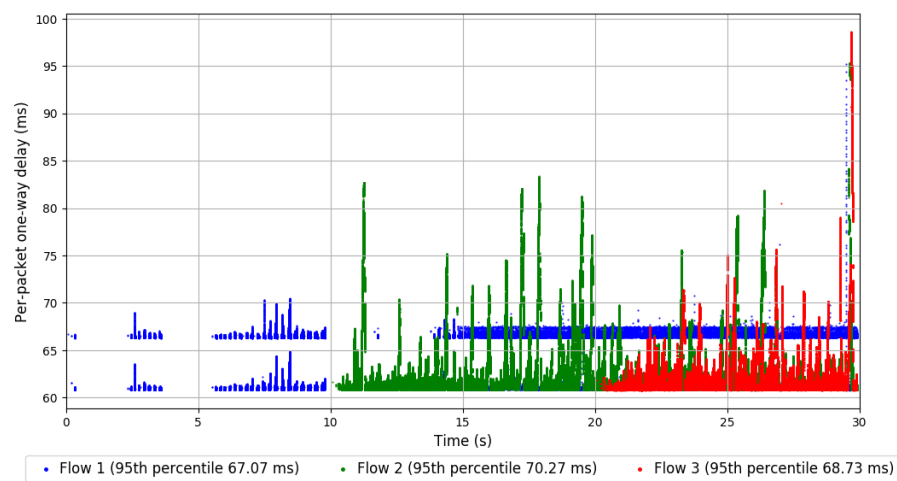
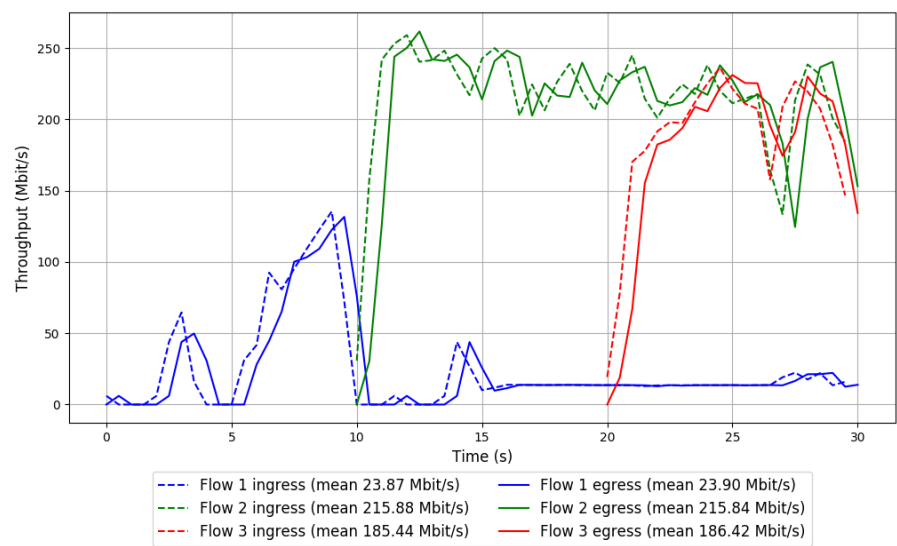
-- Flow 3:

Average throughput: 186.42 Mbit/s

95th percentile per-packet one-way delay: 68.731 ms

Loss rate: 0.93%

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

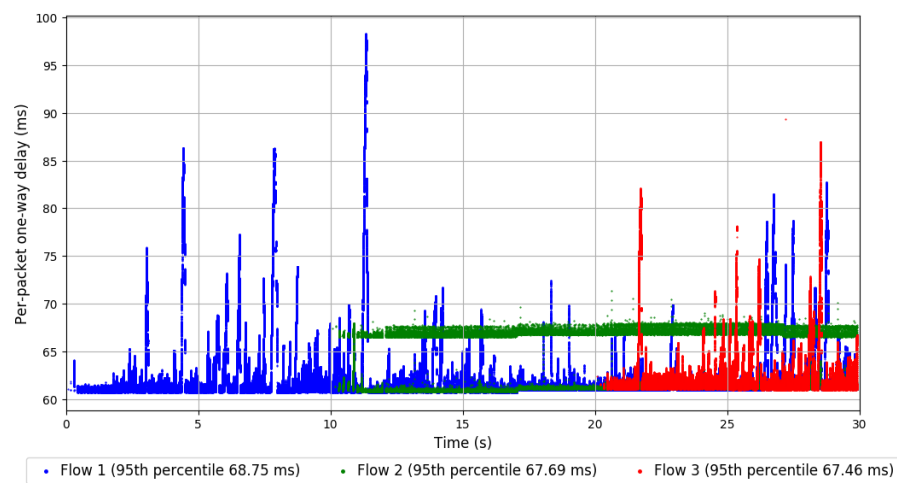
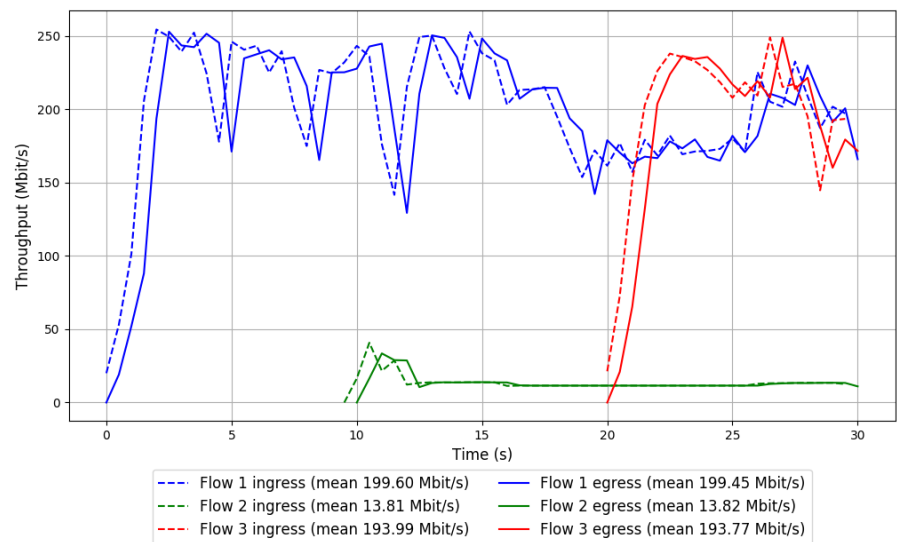


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-11 16:19:52
End at: 2018-07-11 16:20:22
Local clock offset: 0.056 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-11 21:32:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 272.54 Mbit/s
95th percentile per-packet one-way delay: 68.214 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 199.45 Mbit/s
95th percentile per-packet one-way delay: 68.755 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 13.82 Mbit/s
95th percentile per-packet one-way delay: 67.686 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 193.77 Mbit/s
95th percentile per-packet one-way delay: 67.456 ms
Loss rate: 1.34%

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

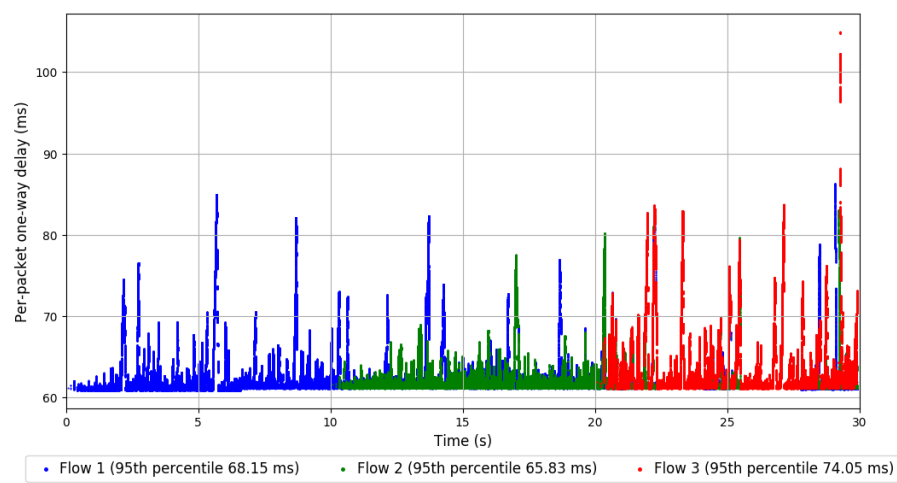
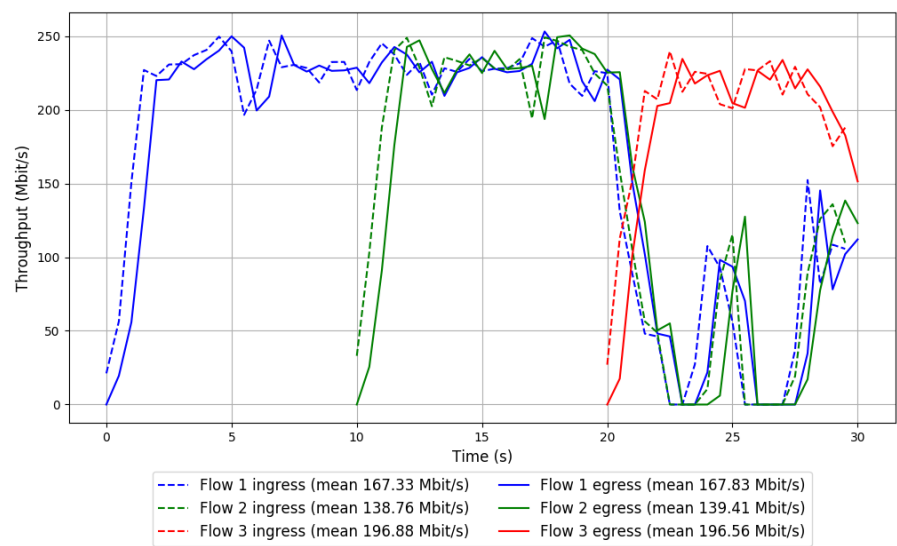


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-11 16:45:03
End at: 2018-07-11 16:45:33
Local clock offset: -0.008 ms
Remote clock offset: -0.273 ms

Below is generated by plot.py at 2018-07-11 21:34:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 325.23 Mbit/s
95th percentile per-packet one-way delay: 68.875 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 167.83 Mbit/s
95th percentile per-packet one-way delay: 68.149 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 139.41 Mbit/s
95th percentile per-packet one-way delay: 65.826 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 196.56 Mbit/s
95th percentile per-packet one-way delay: 74.045 ms
Loss rate: 1.46%

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

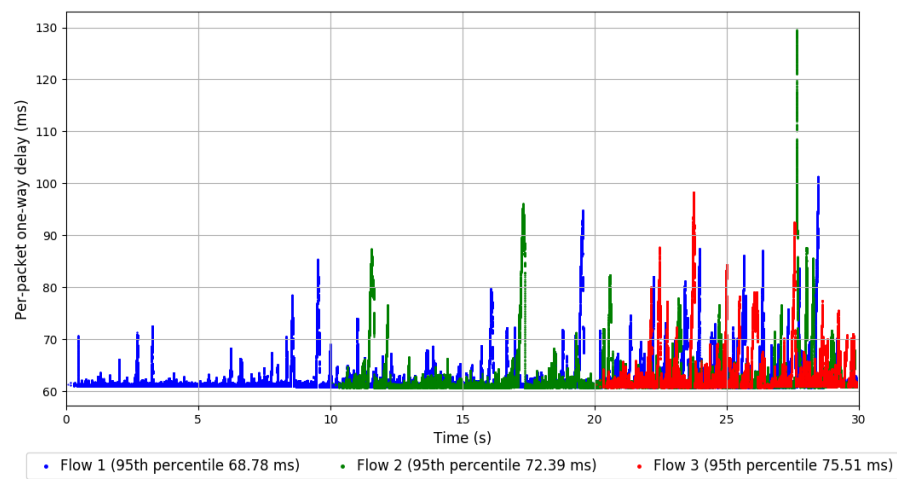
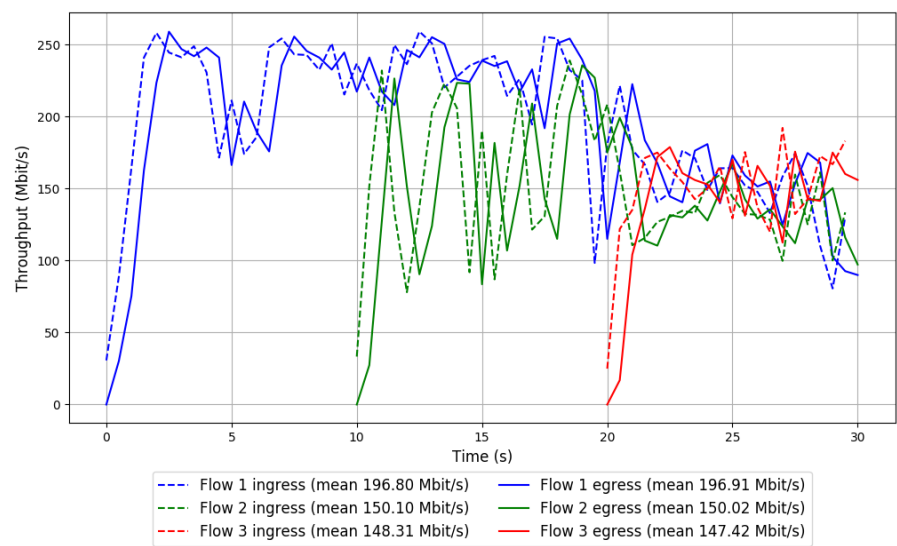


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-11 17:10:30
End at: 2018-07-11 17:11:00
Local clock offset: -0.026 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-07-11 21:39:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 345.23 Mbit/s
95th percentile per-packet one-way delay: 71.433 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 196.91 Mbit/s
95th percentile per-packet one-way delay: 68.784 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 150.02 Mbit/s
95th percentile per-packet one-way delay: 72.390 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 147.42 Mbit/s
95th percentile per-packet one-way delay: 75.506 ms
Loss rate: 1.88%

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

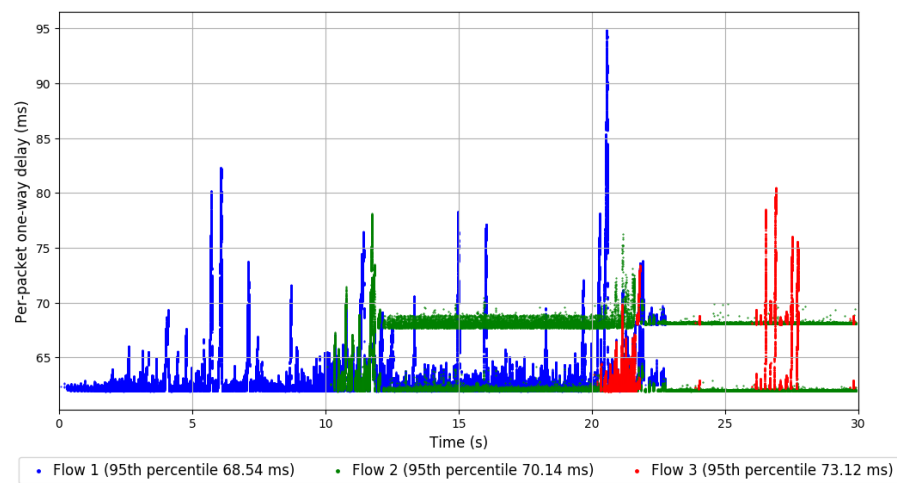
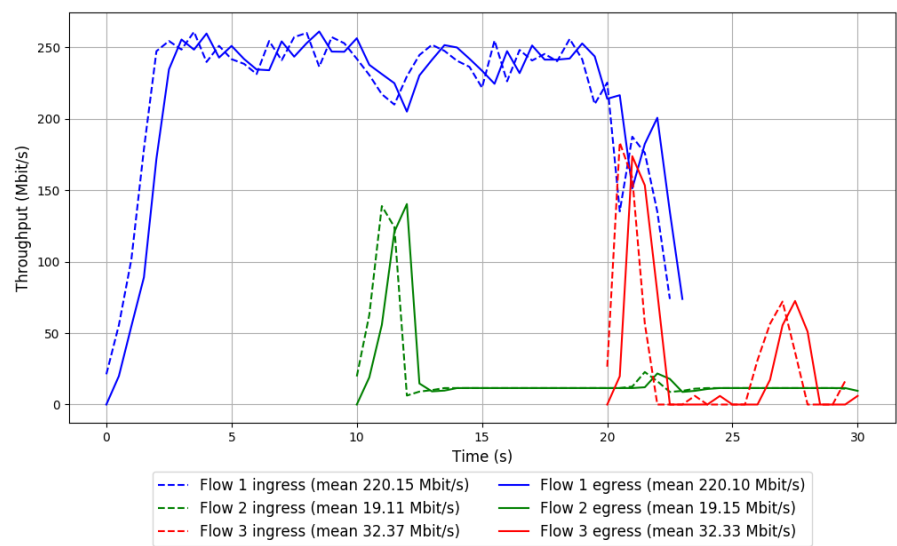


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-11 17:36:07
End at: 2018-07-11 17:36:37
Local clock offset: -0.031 ms
Remote clock offset: -1.274 ms

Below is generated by plot.py at 2018-07-11 21:39:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 190.72 Mbit/s
95th percentile per-packet one-way delay: 69.002 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 220.10 Mbit/s
95th percentile per-packet one-way delay: 68.540 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 19.15 Mbit/s
95th percentile per-packet one-way delay: 70.145 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 32.33 Mbit/s
95th percentile per-packet one-way delay: 73.123 ms
Loss rate: 1.61%

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

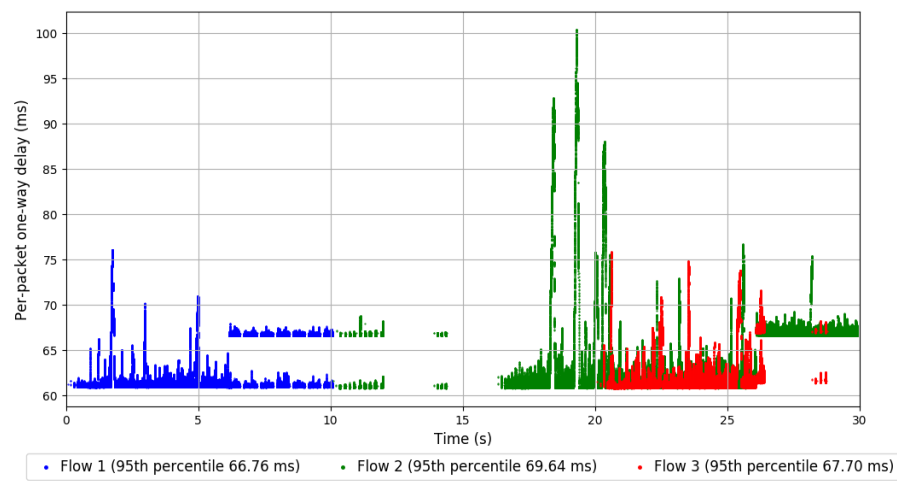
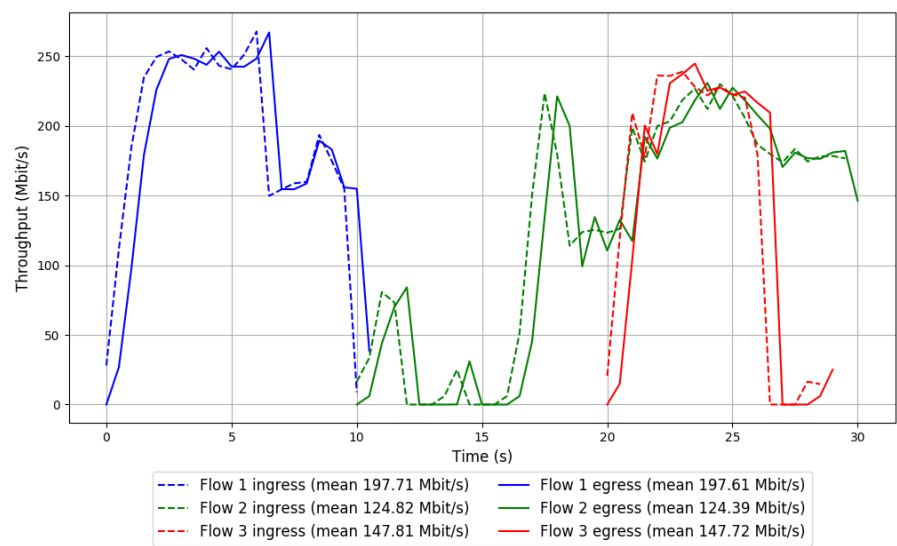


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-11 18:01:03
End at: 2018-07-11 18:01:33
Local clock offset: -0.03 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-07-11 21:39:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 191.94 Mbit/s
95th percentile per-packet one-way delay: 67.543 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 197.61 Mbit/s
95th percentile per-packet one-way delay: 66.763 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 124.39 Mbit/s
95th percentile per-packet one-way delay: 69.636 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 147.72 Mbit/s
95th percentile per-packet one-way delay: 67.701 ms
Loss rate: 0.00%

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

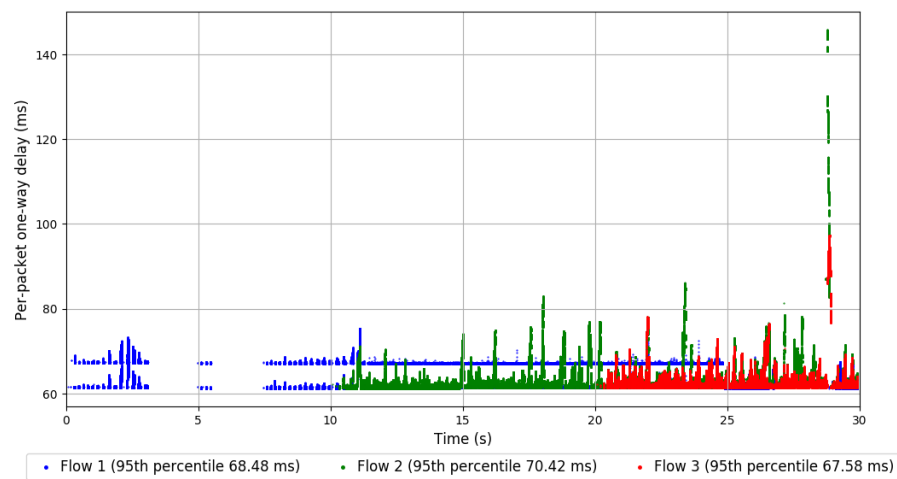
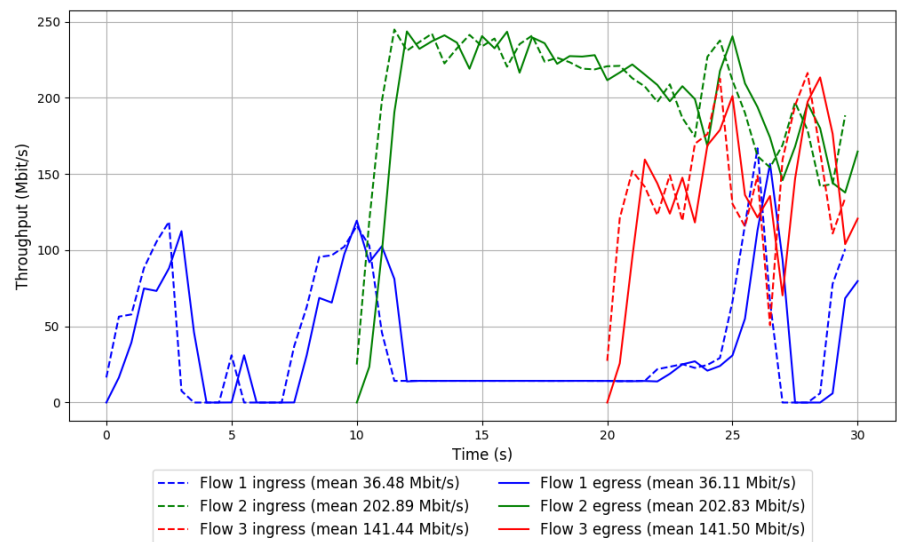


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-11 18:26:14
End at: 2018-07-11 18:26:44
Local clock offset: 0.045 ms
Remote clock offset: -0.462 ms

Below is generated by plot.py at 2018-07-11 21:39:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 217.58 Mbit/s
95th percentile per-packet one-way delay: 69.372 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 36.11 Mbit/s
95th percentile per-packet one-way delay: 68.483 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 202.83 Mbit/s
95th percentile per-packet one-way delay: 70.417 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 141.50 Mbit/s
95th percentile per-packet one-way delay: 67.578 ms
Loss rate: 1.17%

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

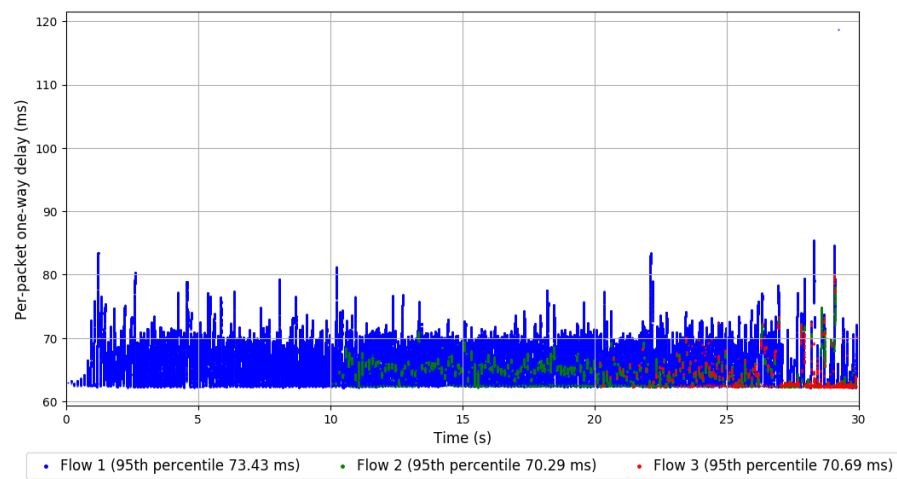
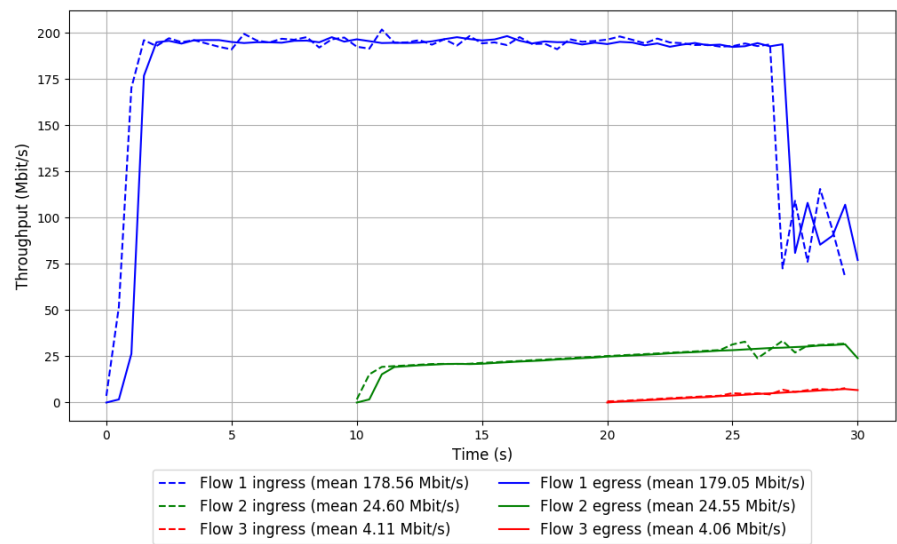


Run 1: Statistics of TCP Vegas

Start at: 2018-07-11 14:38:17
End at: 2018-07-11 14:38:47
Local clock offset: -0.015 ms
Remote clock offset: -1.399 ms

Below is generated by plot.py at 2018-07-11 21:39:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 196.65 Mbit/s
95th percentile per-packet one-way delay: 73.227 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 179.05 Mbit/s
95th percentile per-packet one-way delay: 73.432 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 70.294 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 70.685 ms
Loss rate: 2.55%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-11 15:03:17

End at: 2018-07-11 15:03:47

Local clock offset: 0.042 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-11 21:39:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 204.02 Mbit/s

95th percentile per-packet one-way delay: 76.677 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 185.60 Mbit/s

95th percentile per-packet one-way delay: 76.894 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 4.94 Mbit/s

95th percentile per-packet one-way delay: 70.877 ms

Loss rate: 0.84%

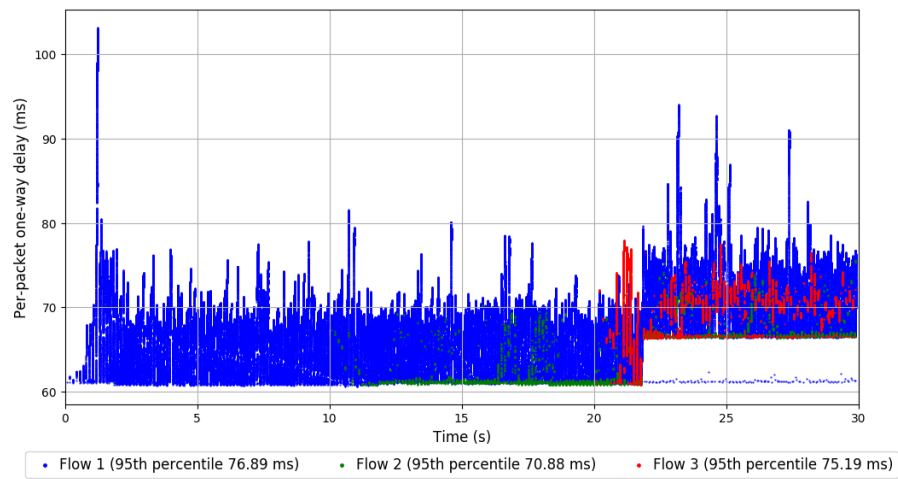
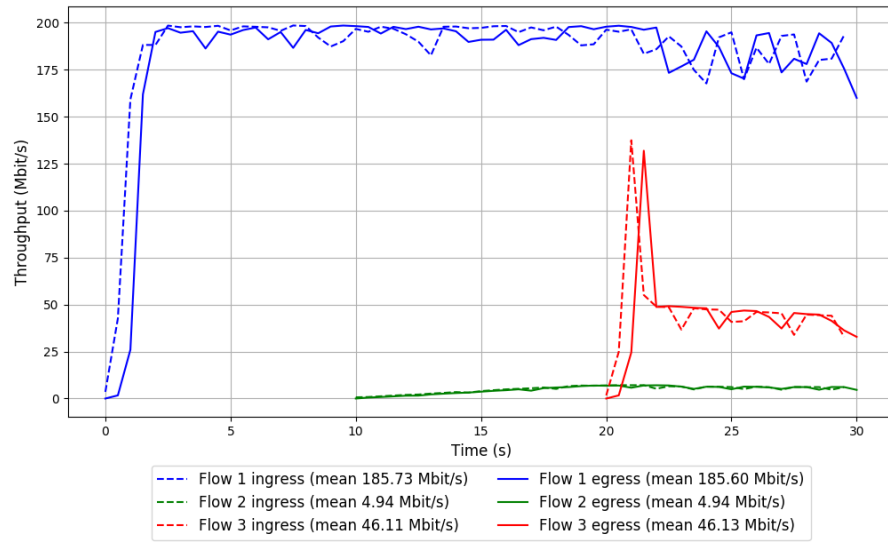
-- Flow 3:

Average throughput: 46.13 Mbit/s

95th percentile per-packet one-way delay: 75.188 ms

Loss rate: 1.19%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-11 15:28:17

End at: 2018-07-11 15:28:47

Local clock offset: 0.018 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-11 21:39:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 309.35 Mbit/s

95th percentile per-packet one-way delay: 73.911 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 187.38 Mbit/s

95th percentile per-packet one-way delay: 73.574 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 182.09 Mbit/s

95th percentile per-packet one-way delay: 74.808 ms

Loss rate: 0.72%

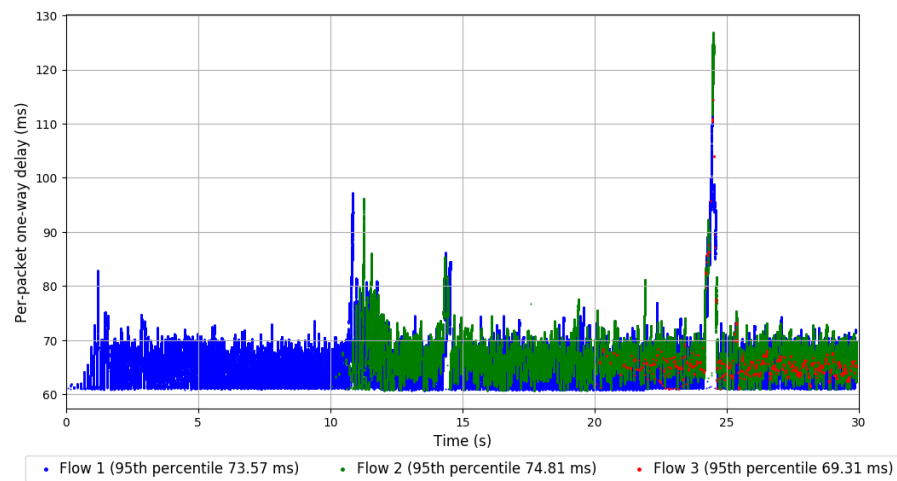
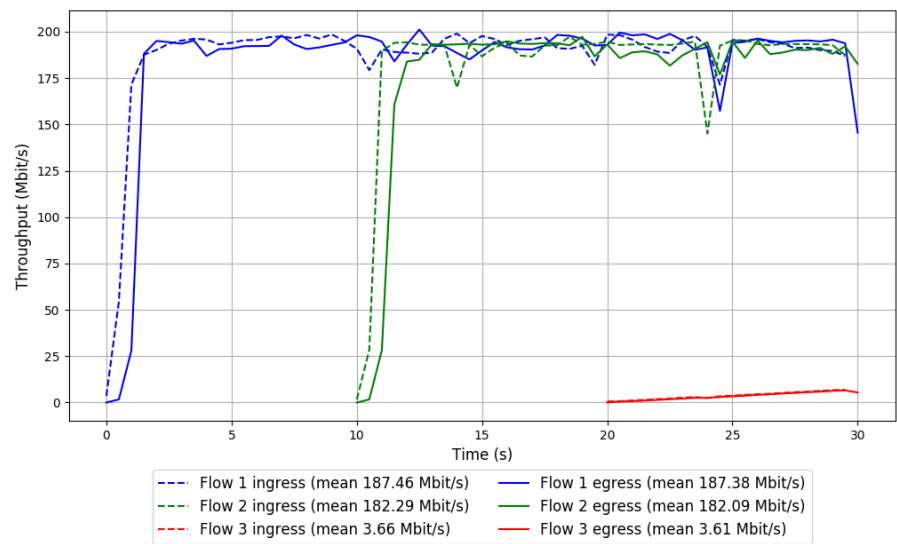
-- Flow 3:

Average throughput: 3.61 Mbit/s

95th percentile per-packet one-way delay: 69.313 ms

Loss rate: 2.60%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-11 15:53:21

End at: 2018-07-11 15:53:51

Local clock offset: 0.027 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-07-11 21:39:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 264.34 Mbit/s

95th percentile per-packet one-way delay: 72.876 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 109.61 Mbit/s

95th percentile per-packet one-way delay: 68.154 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 184.02 Mbit/s

95th percentile per-packet one-way delay: 75.568 ms

Loss rate: 0.66%

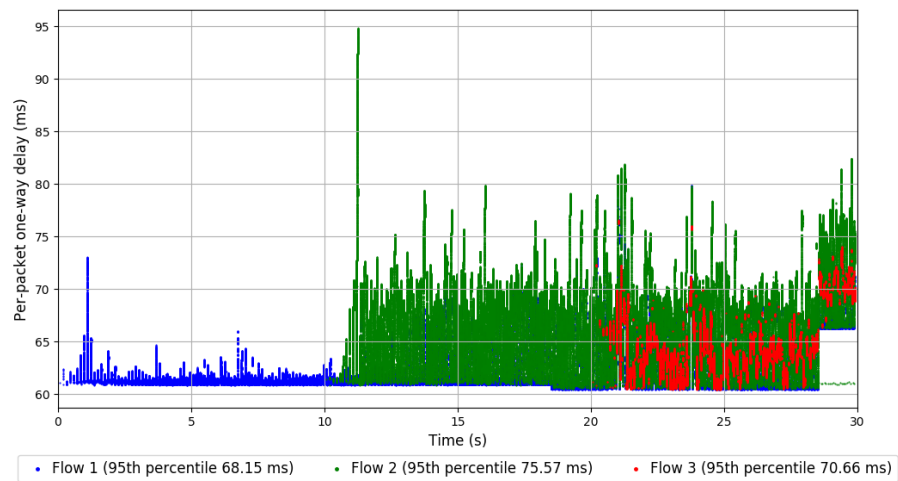
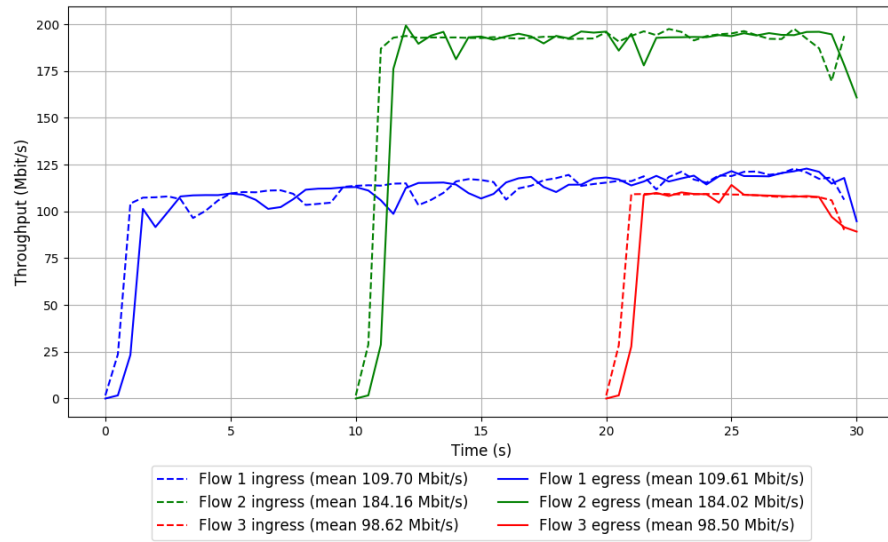
-- Flow 3:

Average throughput: 98.50 Mbit/s

95th percentile per-packet one-way delay: 70.664 ms

Loss rate: 1.35%

Run 4: Report of TCP Vegas — Data Link

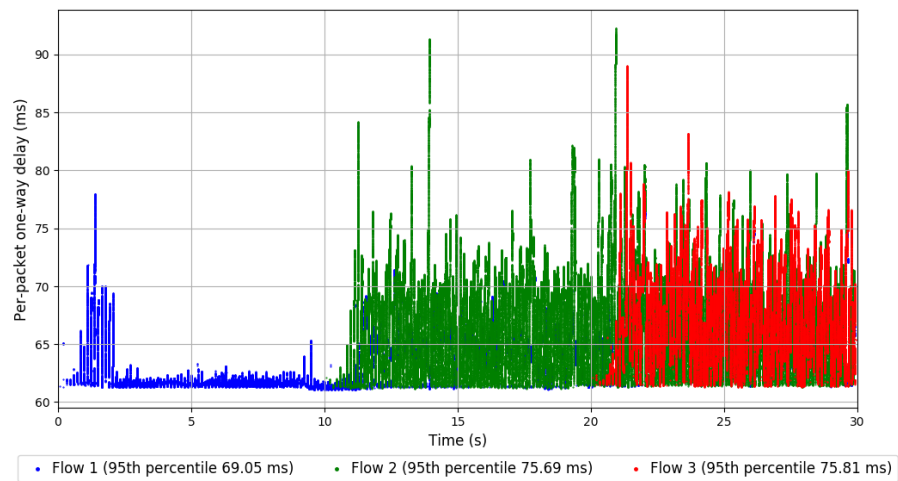
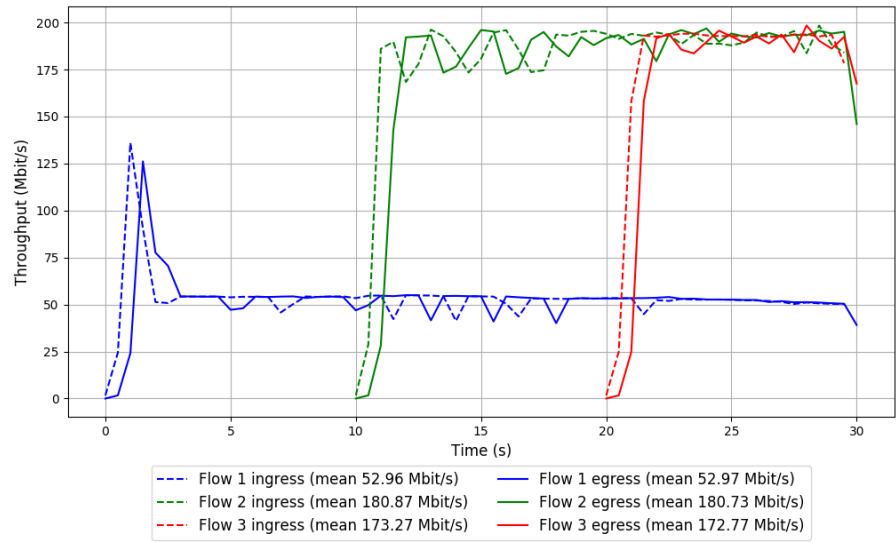


Run 5: Statistics of TCP Vegas

Start at: 2018-07-11 16:18:30
End at: 2018-07-11 16:19:00
Local clock offset: -0.006 ms
Remote clock offset: -0.453 ms

Below is generated by plot.py at 2018-07-11 21:40:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 229.75 Mbit/s
95th percentile per-packet one-way delay: 74.997 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 52.97 Mbit/s
95th percentile per-packet one-way delay: 69.052 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 180.73 Mbit/s
95th percentile per-packet one-way delay: 75.692 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 172.77 Mbit/s
95th percentile per-packet one-way delay: 75.813 ms
Loss rate: 1.52%

Run 5: Report of TCP Vegas — Data Link

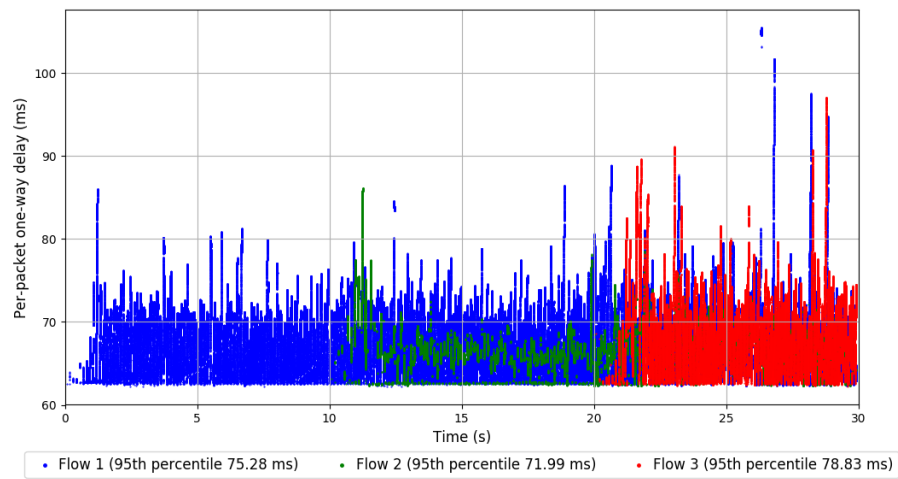
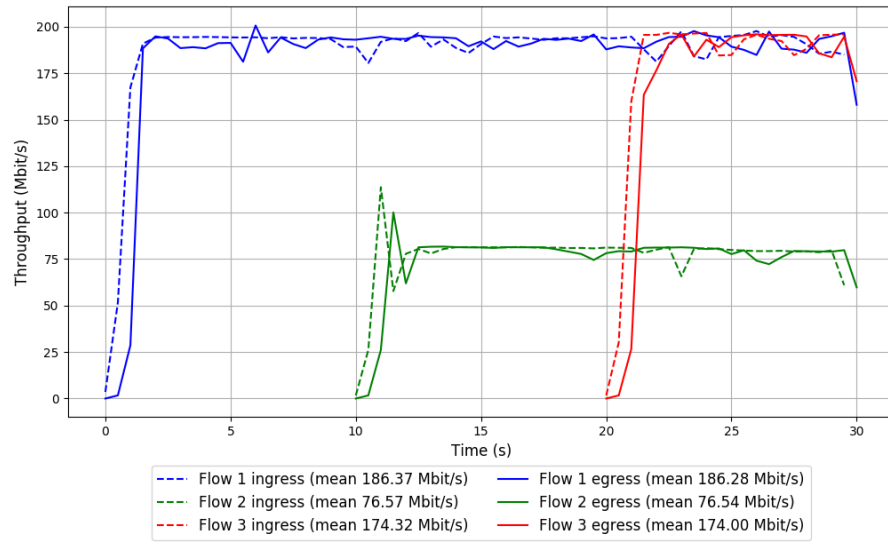


Run 6: Statistics of TCP Vegas

Start at: 2018-07-11 16:43:38
End at: 2018-07-11 16:44:08
Local clock offset: -0.002 ms
Remote clock offset: -1.411 ms

Below is generated by plot.py at 2018-07-11 21:41:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 294.47 Mbit/s
95th percentile per-packet one-way delay: 75.528 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 186.28 Mbit/s
95th percentile per-packet one-way delay: 75.281 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 76.54 Mbit/s
95th percentile per-packet one-way delay: 71.987 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 174.00 Mbit/s
95th percentile per-packet one-way delay: 78.827 ms
Loss rate: 1.43%

Run 6: Report of TCP Vegas — Data Link

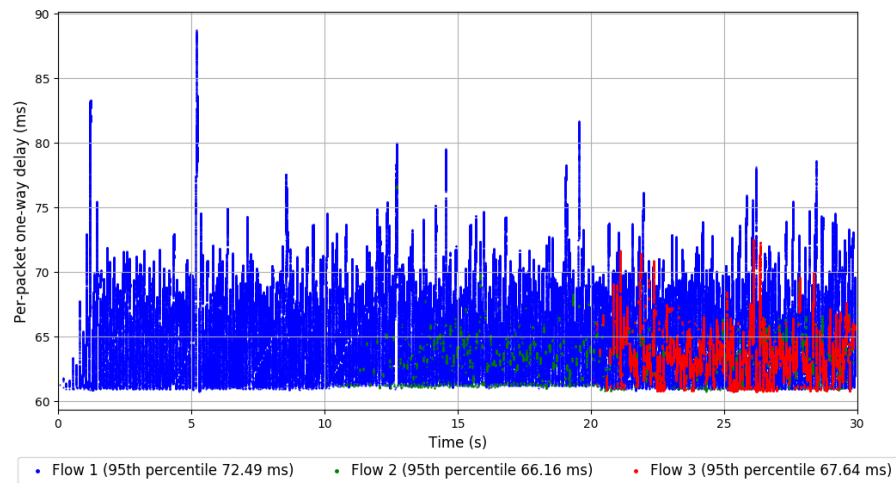
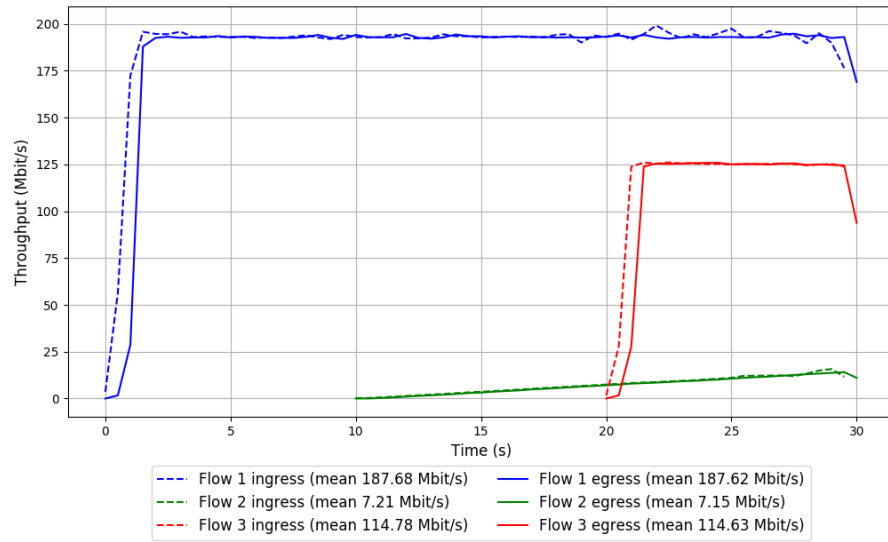


Run 7: Statistics of TCP Vegas

Start at: 2018-07-11 17:09:09
End at: 2018-07-11 17:09:39
Local clock offset: -0.008 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-11 21:41:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 230.08 Mbit/s
95th percentile per-packet one-way delay: 72.046 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 187.62 Mbit/s
95th percentile per-packet one-way delay: 72.494 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 7.15 Mbit/s
95th percentile per-packet one-way delay: 66.162 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 114.63 Mbit/s
95th percentile per-packet one-way delay: 67.645 ms
Loss rate: 1.36%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-11 17:34:50

End at: 2018-07-11 17:35:20

Local clock offset: 0.02 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-07-11 21:41:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 159.07 Mbit/s

95th percentile per-packet one-way delay: 71.810 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 74.12 Mbit/s

95th percentile per-packet one-way delay: 68.482 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 44.15 Mbit/s

95th percentile per-packet one-way delay: 68.743 ms

Loss rate: 0.54%

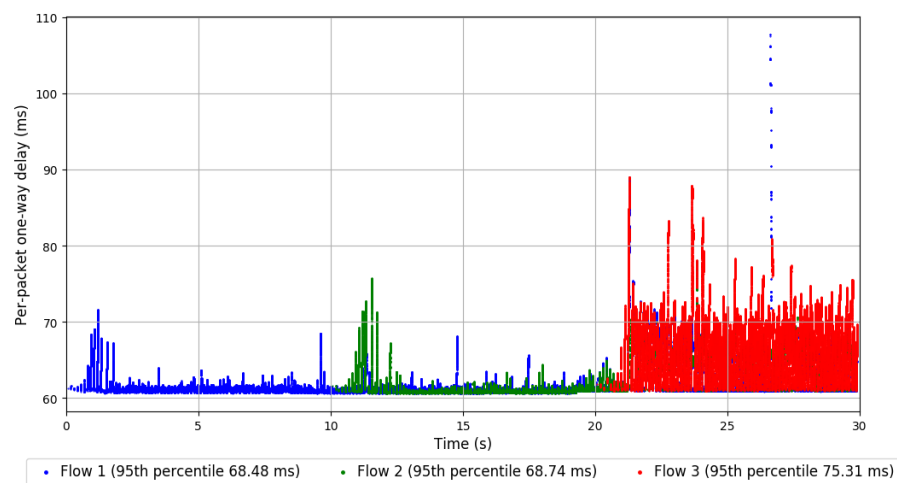
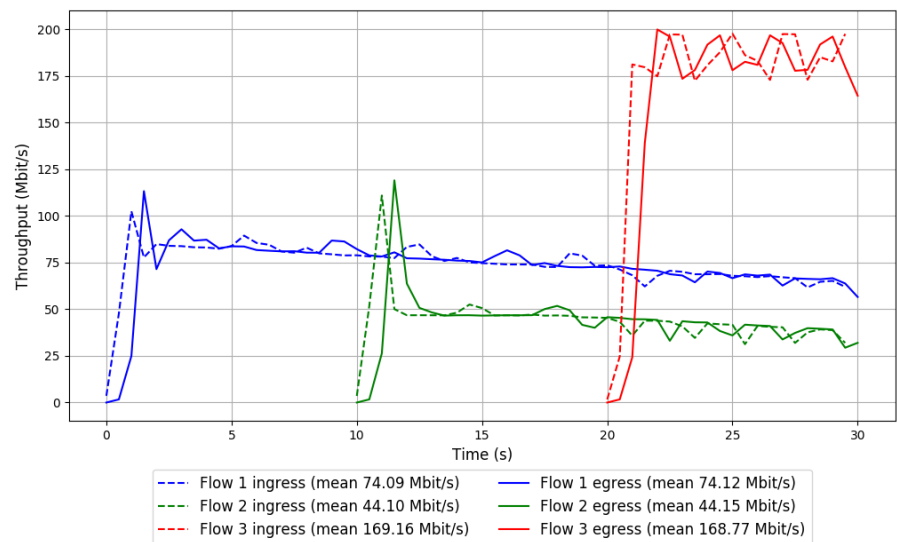
-- Flow 3:

Average throughput: 168.77 Mbit/s

95th percentile per-packet one-way delay: 75.315 ms

Loss rate: 1.47%

Run 8: Report of TCP Vegas — Data Link

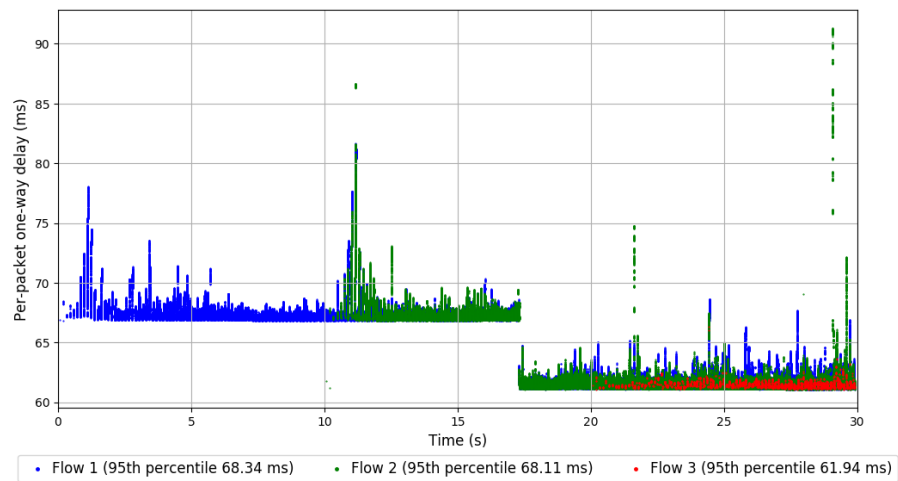
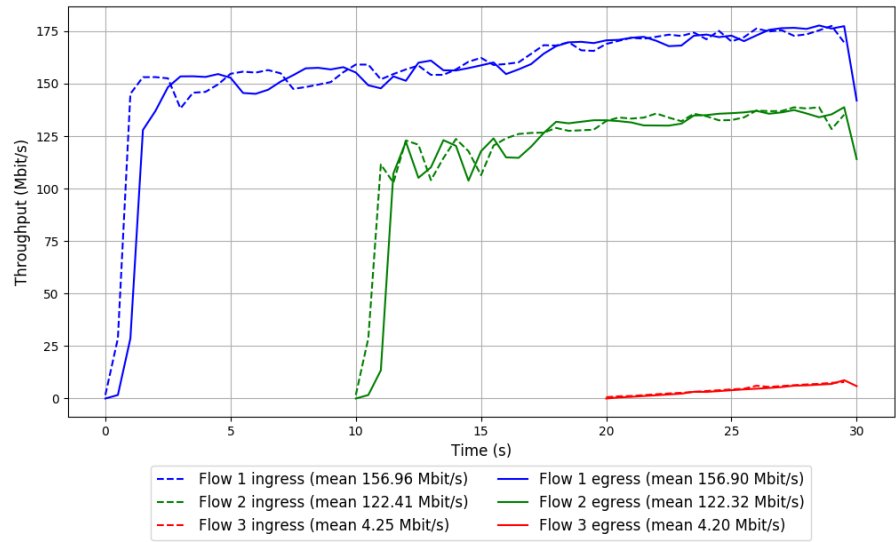


Run 9: Statistics of TCP Vegas

Start at: 2018-07-11 17:59:42
End at: 2018-07-11 18:00:12
Local clock offset: -0.007 ms
Remote clock offset: -0.175 ms

Below is generated by plot.py at 2018-07-11 21:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 239.56 Mbit/s
95th percentile per-packet one-way delay: 68.268 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 156.90 Mbit/s
95th percentile per-packet one-way delay: 68.344 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 122.32 Mbit/s
95th percentile per-packet one-way delay: 68.110 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 61.943 ms
Loss rate: 2.53%

Run 9: Report of TCP Vegas — Data Link

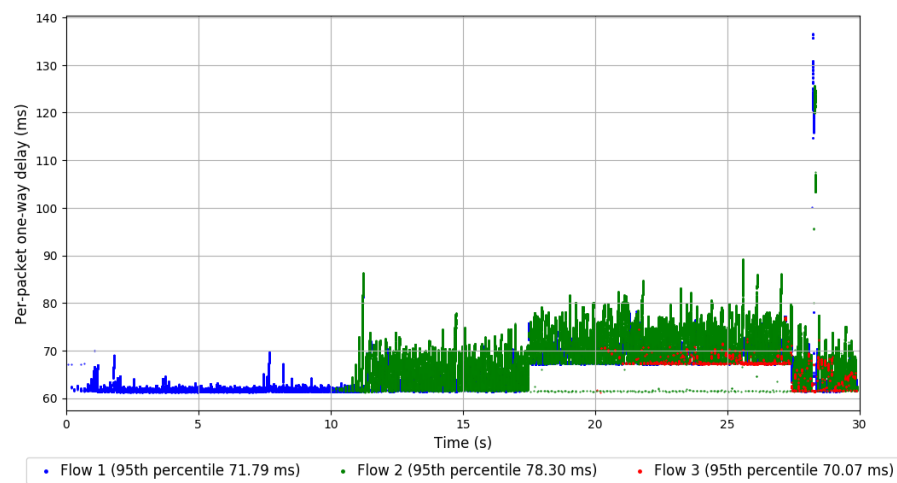
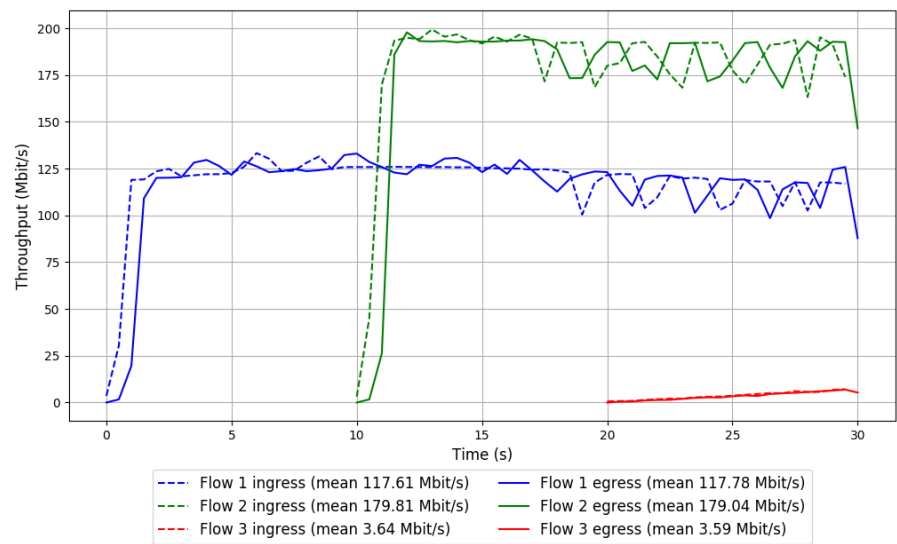


Run 10: Statistics of TCP Vegas

Start at: 2018-07-11 18:24:52
End at: 2018-07-11 18:25:22
Local clock offset: -0.041 ms
Remote clock offset: -0.492 ms

Below is generated by plot.py at 2018-07-11 21:43:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 237.85 Mbit/s
95th percentile per-packet one-way delay: 76.946 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 117.78 Mbit/s
95th percentile per-packet one-way delay: 71.786 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 179.04 Mbit/s
95th percentile per-packet one-way delay: 78.301 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 70.070 ms
Loss rate: 2.72%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-11 14:48:39

End at: 2018-07-11 14:49:09

Local clock offset: 0.034 ms

Remote clock offset: 1.219 ms

Below is generated by plot.py at 2018-07-11 21:45:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 316.15 Mbit/s

95th percentile per-packet one-way delay: 163.604 ms

Loss rate: 2.28%

-- Flow 1:

Average throughput: 173.78 Mbit/s

95th percentile per-packet one-way delay: 177.569 ms

Loss rate: 3.04%

-- Flow 2:

Average throughput: 117.64 Mbit/s

95th percentile per-packet one-way delay: 154.041 ms

Loss rate: 0.65%

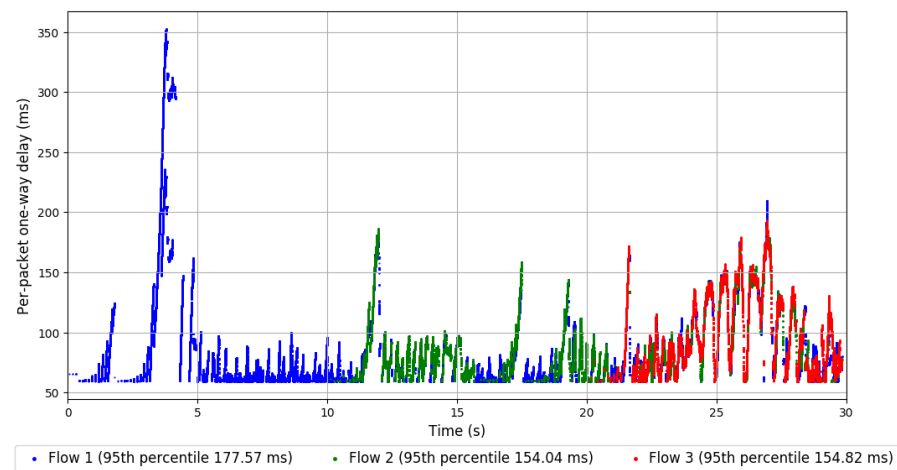
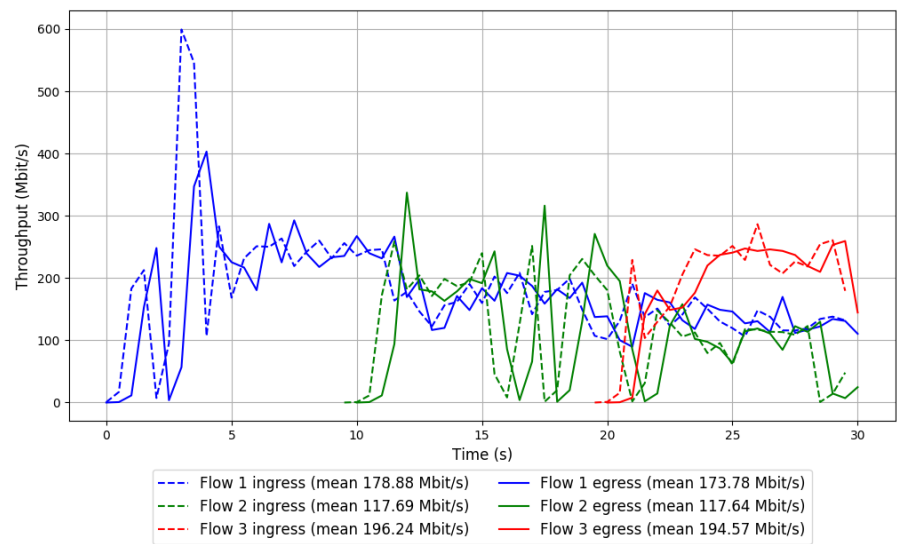
-- Flow 3:

Average throughput: 194.57 Mbit/s

95th percentile per-packet one-way delay: 154.825 ms

Loss rate: 2.14%

Run 1: Report of Verus — Data Link

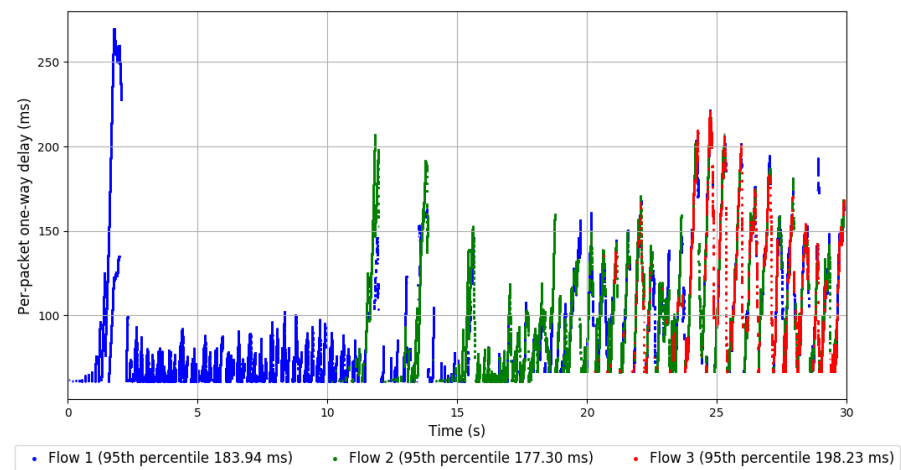
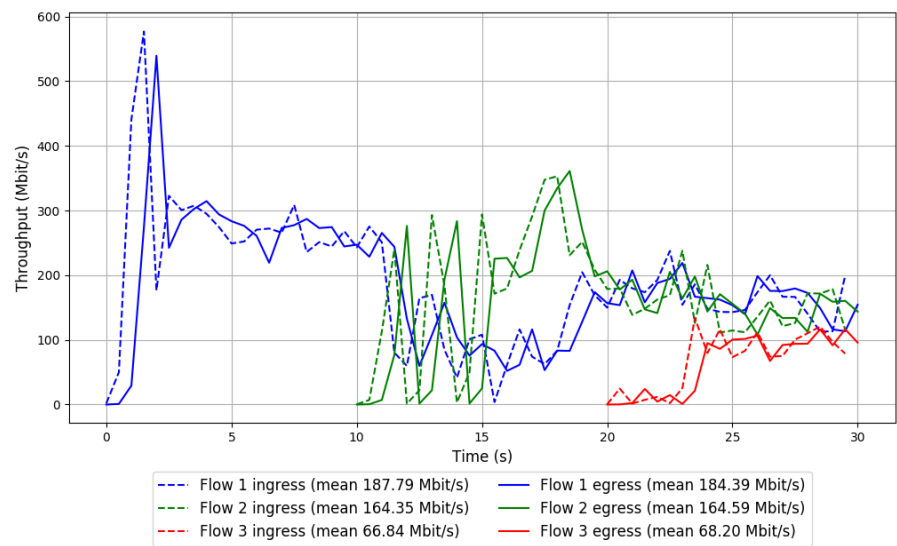


Run 2: Statistics of Verus

Start at: 2018-07-11 15:13:31
End at: 2018-07-11 15:14:01
Local clock offset: 0.058 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-11 21:46:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 315.92 Mbit/s
95th percentile per-packet one-way delay: 182.699 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 184.39 Mbit/s
95th percentile per-packet one-way delay: 183.941 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 164.59 Mbit/s
95th percentile per-packet one-way delay: 177.301 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 68.20 Mbit/s
95th percentile per-packet one-way delay: 198.234 ms
Loss rate: 0.14%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-11 15:38:44

End at: 2018-07-11 15:39:14

Local clock offset: 0.062 ms

Remote clock offset: 0.359 ms

Below is generated by plot.py at 2018-07-11 21:46:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 329.39 Mbit/s

95th percentile per-packet one-way delay: 259.051 ms

Loss rate: 4.37%

-- Flow 1:

Average throughput: 183.69 Mbit/s

95th percentile per-packet one-way delay: 194.373 ms

Loss rate: 3.55%

-- Flow 2:

Average throughput: 184.95 Mbit/s

95th percentile per-packet one-way delay: 285.488 ms

Loss rate: 5.88%

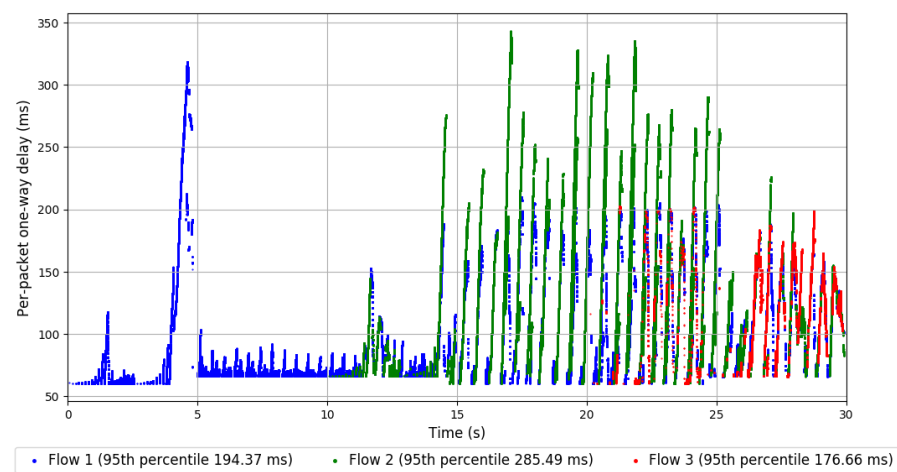
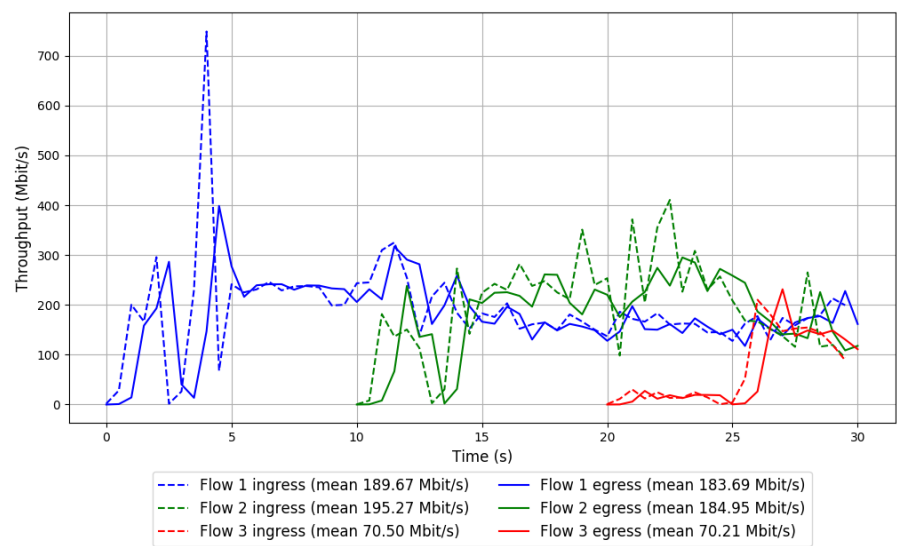
-- Flow 3:

Average throughput: 70.21 Mbit/s

95th percentile per-packet one-way delay: 176.659 ms

Loss rate: 2.63%

Run 3: Report of Verus — Data Link

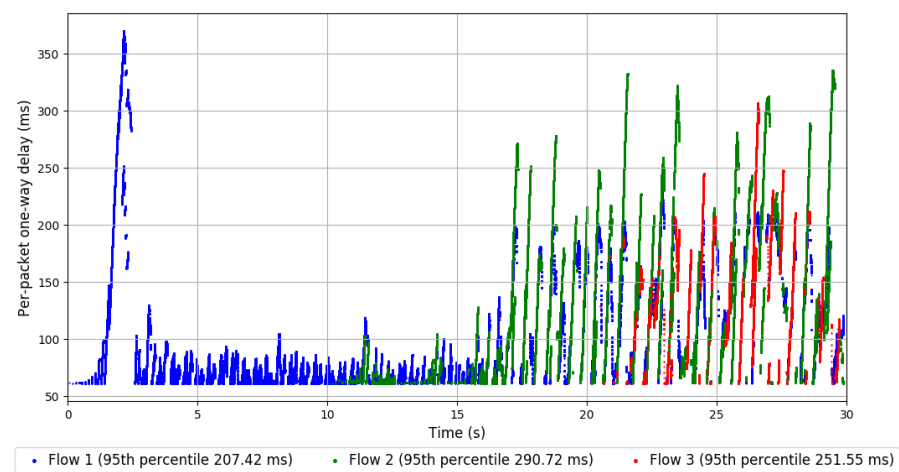
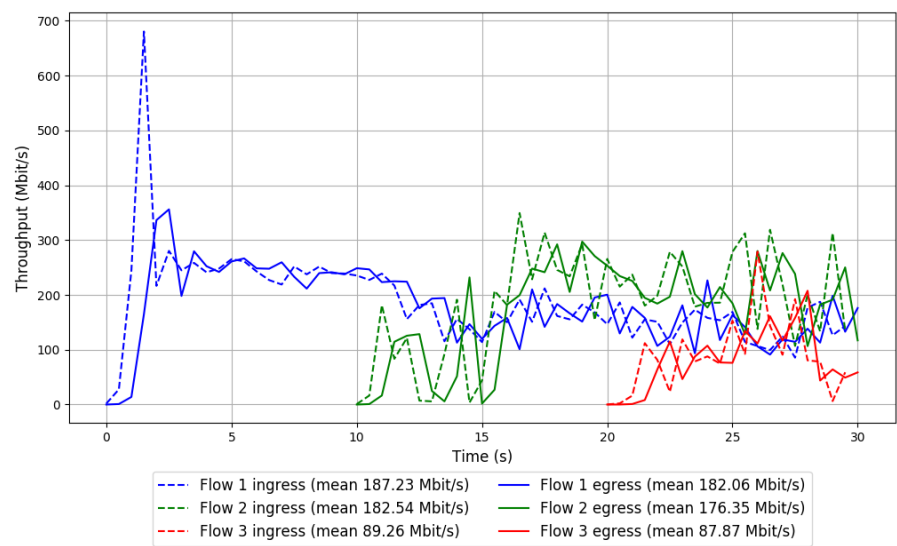


Run 4: Statistics of Verus

Start at: 2018-07-11 16:03:49
End at: 2018-07-11 16:04:19
Local clock offset: 0.03 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-07-11 21:46:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 327.49 Mbit/s
95th percentile per-packet one-way delay: 267.216 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 182.06 Mbit/s
95th percentile per-packet one-way delay: 207.423 ms
Loss rate: 3.23%
-- Flow 2:
Average throughput: 176.35 Mbit/s
95th percentile per-packet one-way delay: 290.722 ms
Loss rate: 4.07%
-- Flow 3:
Average throughput: 87.87 Mbit/s
95th percentile per-packet one-way delay: 251.551 ms
Loss rate: 4.68%

Run 4: Report of Verus — Data Link

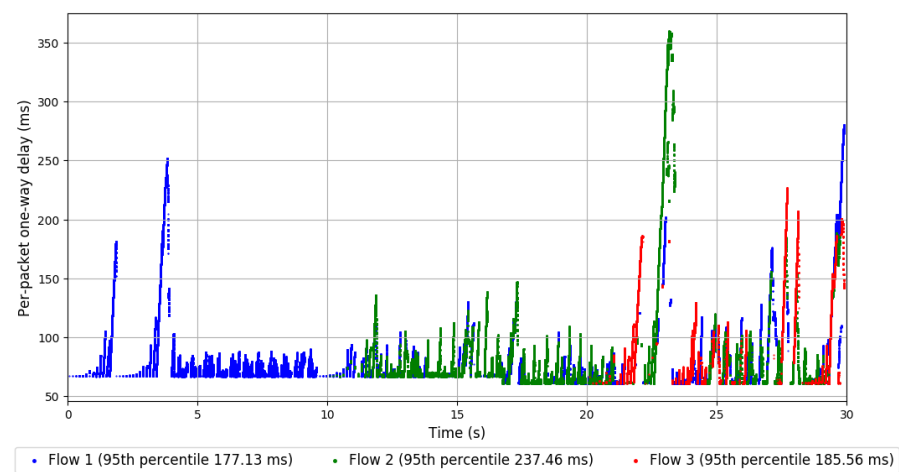
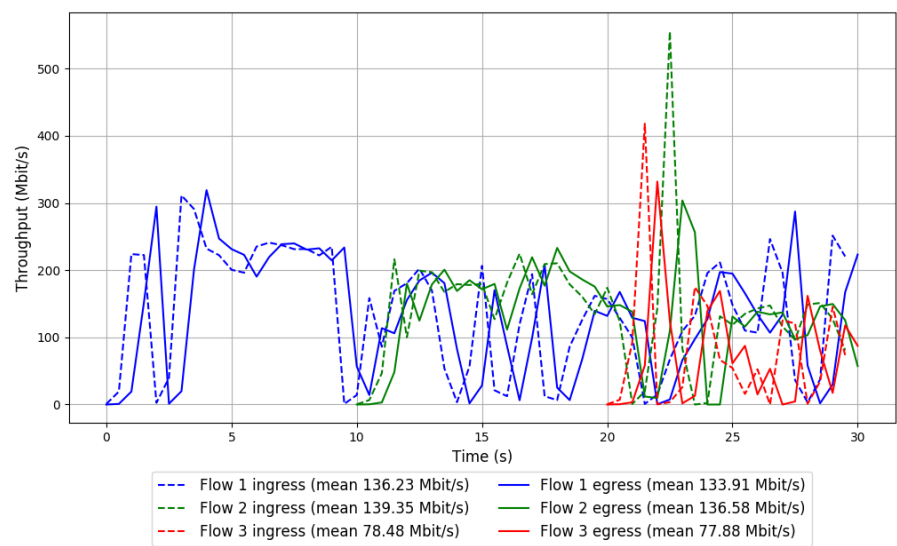


Run 5: Statistics of Verus

Start at: 2018-07-11 16:28:52
End at: 2018-07-11 16:29:22
Local clock offset: 0.075 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-11 21:46:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 249.55 Mbit/s
95th percentile per-packet one-way delay: 190.143 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 133.91 Mbit/s
95th percentile per-packet one-way delay: 177.135 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 136.58 Mbit/s
95th percentile per-packet one-way delay: 237.463 ms
Loss rate: 3.33%
-- Flow 3:
Average throughput: 77.88 Mbit/s
95th percentile per-packet one-way delay: 185.559 ms
Loss rate: 2.01%

Run 5: Report of Verus — Data Link

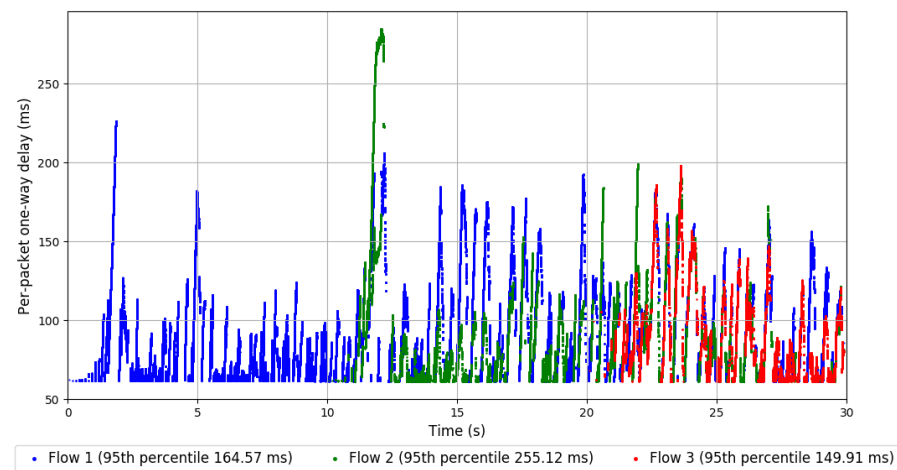
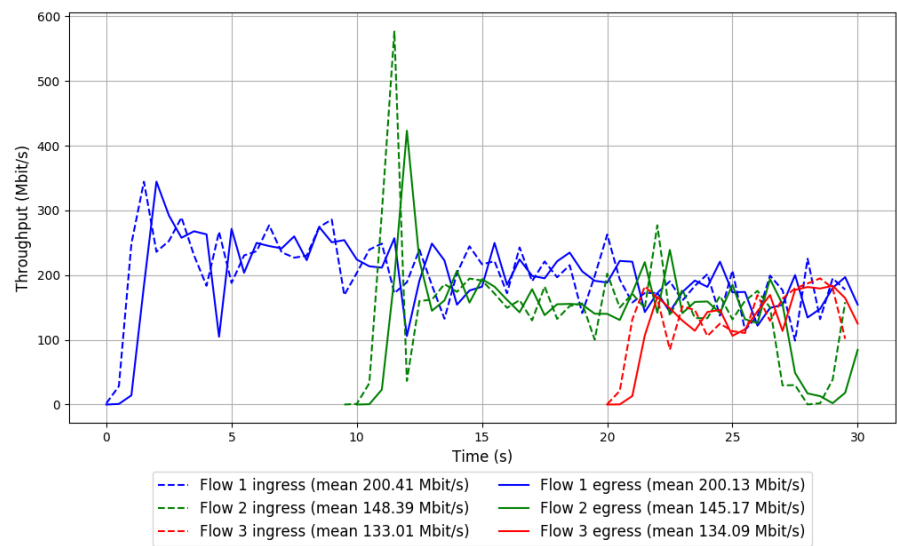


Run 6: Statistics of Verus

Start at: 2018-07-11 16:54:10
End at: 2018-07-11 16:54:40
Local clock offset: 0.009 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-07-11 21:48:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 340.68 Mbit/s
95th percentile per-packet one-way delay: 168.470 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 200.13 Mbit/s
95th percentile per-packet one-way delay: 164.570 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 145.17 Mbit/s
95th percentile per-packet one-way delay: 255.115 ms
Loss rate: 2.80%
-- Flow 3:
Average throughput: 134.09 Mbit/s
95th percentile per-packet one-way delay: 149.912 ms
Loss rate: 0.53%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-11 17:19:49

End at: 2018-07-11 17:20:19

Local clock offset: 0.028 ms

Remote clock offset: 0.135 ms

Below is generated by plot.py at 2018-07-11 21:49:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 327.18 Mbit/s

95th percentile per-packet one-way delay: 169.973 ms

Loss rate: 2.39%

-- Flow 1:

Average throughput: 210.32 Mbit/s

95th percentile per-packet one-way delay: 183.442 ms

Loss rate: 2.20%

-- Flow 2:

Average throughput: 134.15 Mbit/s

95th percentile per-packet one-way delay: 166.196 ms

Loss rate: 1.92%

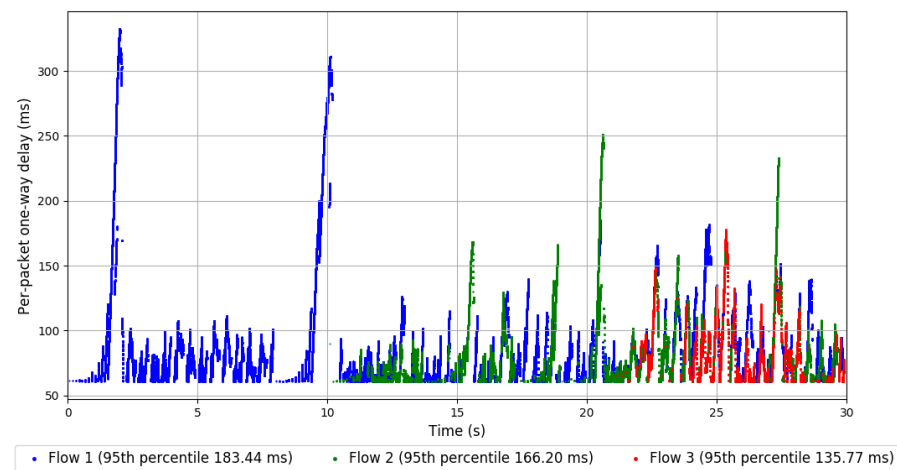
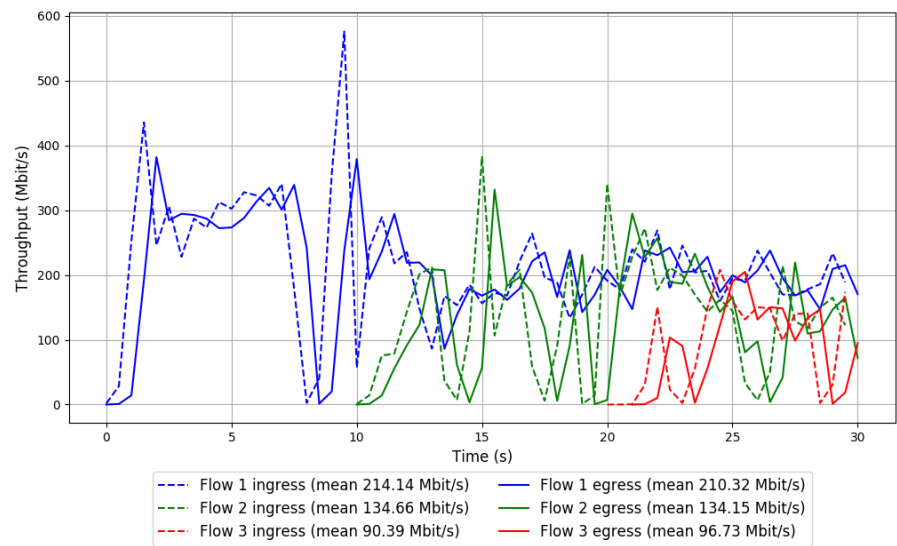
-- Flow 3:

Average throughput: 96.73 Mbit/s

95th percentile per-packet one-way delay: 135.766 ms

Loss rate: 5.16%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-11 17:45:06

End at: 2018-07-11 17:45:36

Local clock offset: -0.003 ms

Remote clock offset: 0.182 ms

Below is generated by plot.py at 2018-07-11 21:51:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 354.69 Mbit/s

95th percentile per-packet one-way delay: 293.734 ms

Loss rate: 9.40%

-- Flow 1:

Average throughput: 214.16 Mbit/s

95th percentile per-packet one-way delay: 190.172 ms

Loss rate: 3.81%

-- Flow 2:

Average throughput: 130.19 Mbit/s

95th percentile per-packet one-way delay: 254.765 ms

Loss rate: 5.63%

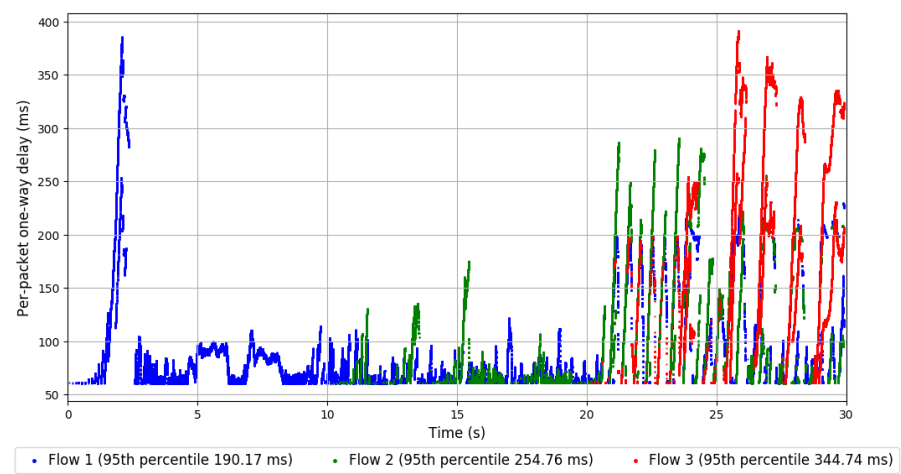
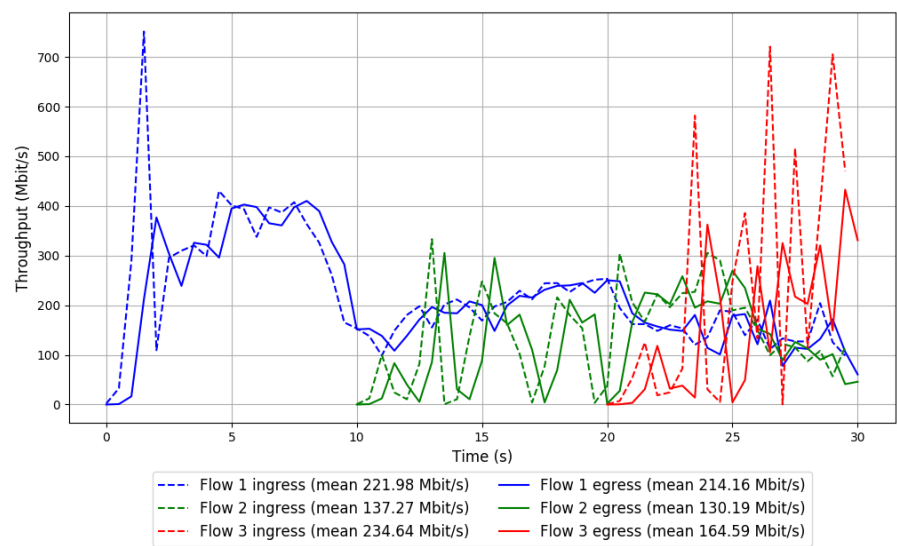
-- Flow 3:

Average throughput: 164.59 Mbit/s

95th percentile per-packet one-way delay: 344.738 ms

Loss rate: 29.95%

Run 8: Report of Verus — Data Link

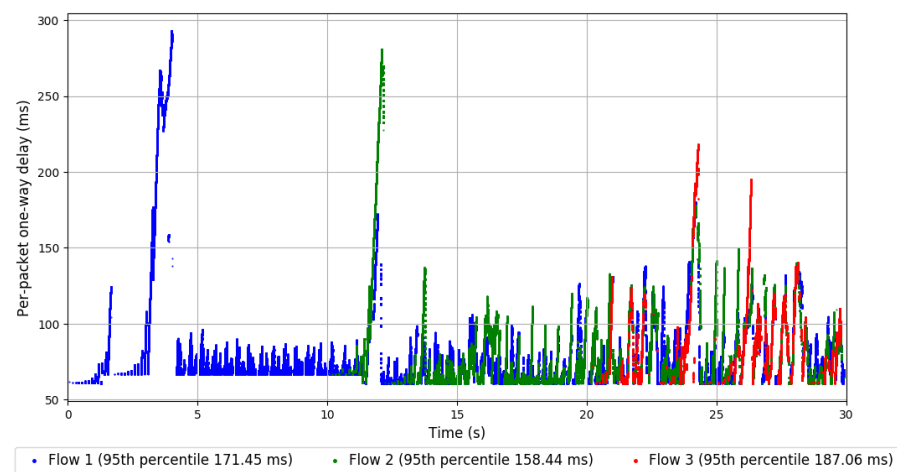
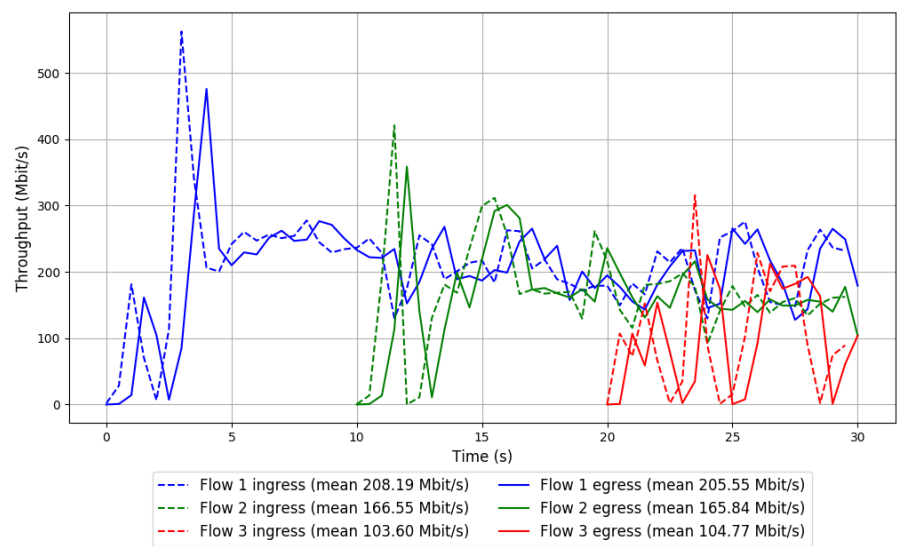


Run 9: Statistics of Verus

Start at: 2018-07-11 18:09:58
End at: 2018-07-11 18:10:28
Local clock offset: -0.031 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-11 21:52:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 349.66 Mbit/s
95th percentile per-packet one-way delay: 170.780 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 205.55 Mbit/s
95th percentile per-packet one-way delay: 171.453 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 165.84 Mbit/s
95th percentile per-packet one-way delay: 158.445 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 104.77 Mbit/s
95th percentile per-packet one-way delay: 187.064 ms
Loss rate: 0.20%

Run 9: Report of Verus — Data Link

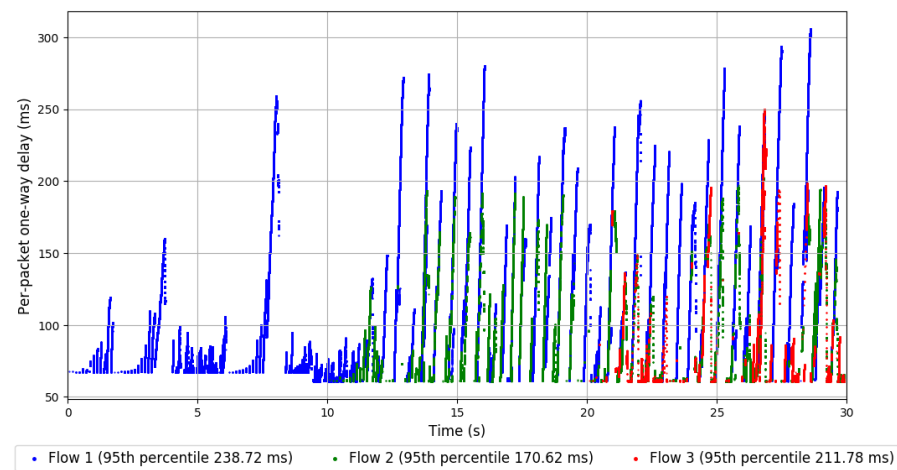
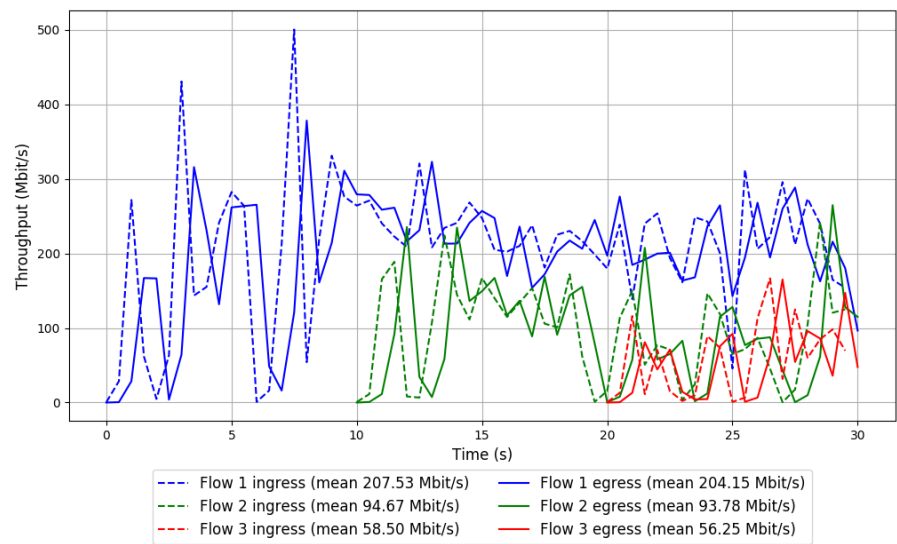


Run 10: Statistics of Verus

Start at: 2018-07-11 18:35:00
End at: 2018-07-11 18:35:30
Local clock offset: -0.022 ms
Remote clock offset: -0.248 ms

Below is generated by plot.py at 2018-07-11 21:52:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 283.21 Mbit/s
95th percentile per-packet one-way delay: 232.926 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 204.15 Mbit/s
95th percentile per-packet one-way delay: 238.722 ms
Loss rate: 2.78%
-- Flow 2:
Average throughput: 93.78 Mbit/s
95th percentile per-packet one-way delay: 170.622 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 56.25 Mbit/s
95th percentile per-packet one-way delay: 211.778 ms
Loss rate: 4.63%

Run 10: Report of Verus — Data Link

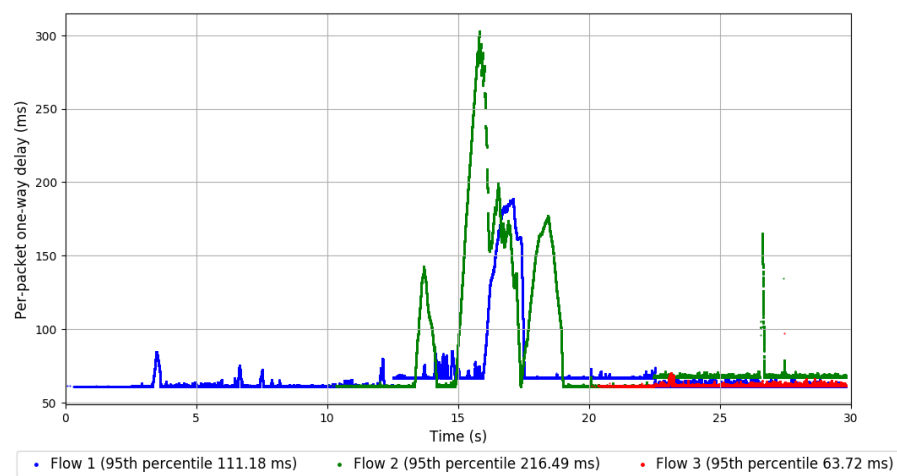
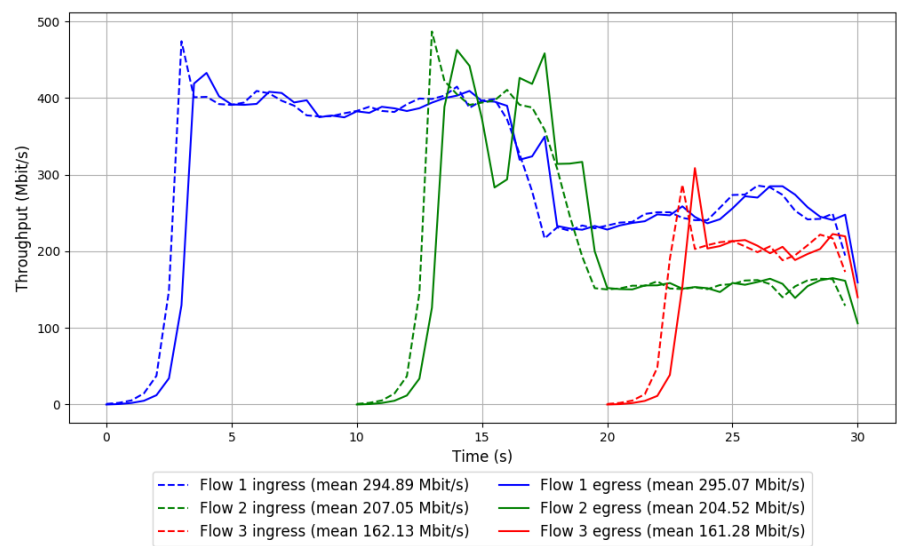


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-11 14:54:06
End at: 2018-07-11 14:54:37
Local clock offset: -0.013 ms
Remote clock offset: -0.288 ms

Below is generated by plot.py at 2018-07-11 21:55:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 483.54 Mbit/s
95th percentile per-packet one-way delay: 168.777 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 295.07 Mbit/s
95th percentile per-packet one-way delay: 111.182 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 204.52 Mbit/s
95th percentile per-packet one-way delay: 216.487 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 161.28 Mbit/s
95th percentile per-packet one-way delay: 63.718 ms
Loss rate: 1.82%

Run 1: Report of PCC-Vivace — Data Link

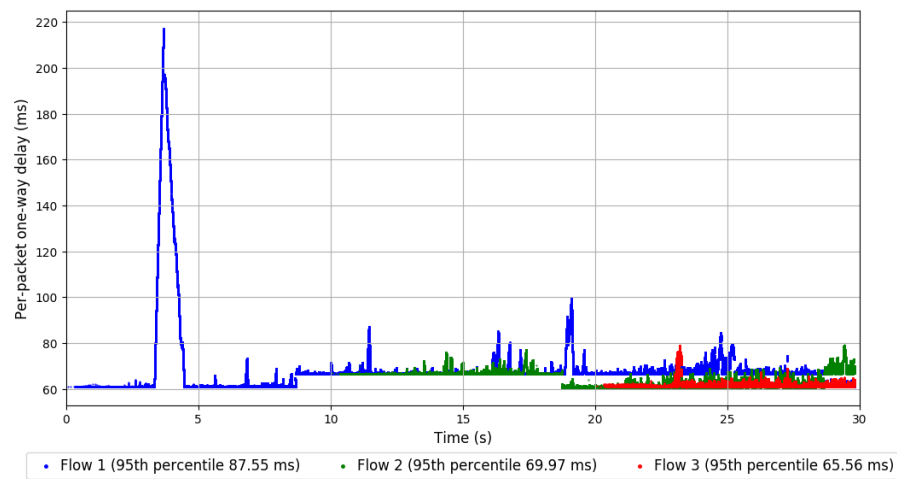
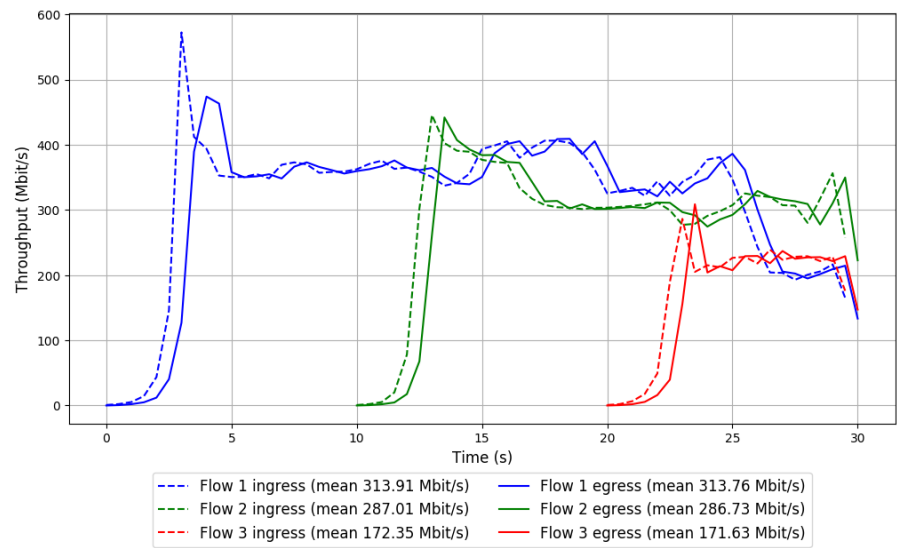


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-11 15:19:00
End at: 2018-07-11 15:19:30
Local clock offset: 0.032 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-11 21:58:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 560.20 Mbit/s
95th percentile per-packet one-way delay: 75.552 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 313.76 Mbit/s
95th percentile per-packet one-way delay: 87.550 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 286.73 Mbit/s
95th percentile per-packet one-way delay: 69.966 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 171.63 Mbit/s
95th percentile per-packet one-way delay: 65.558 ms
Loss rate: 1.68%

Run 2: Report of PCC-Vivace — Data Link

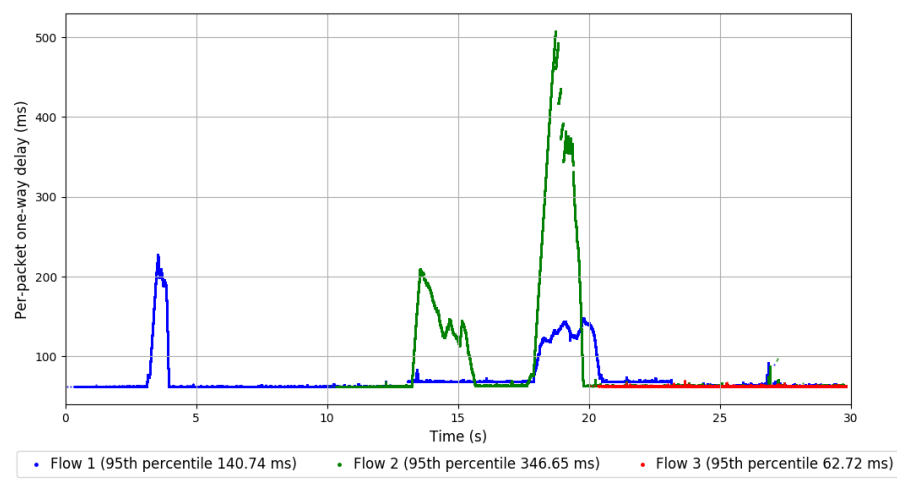
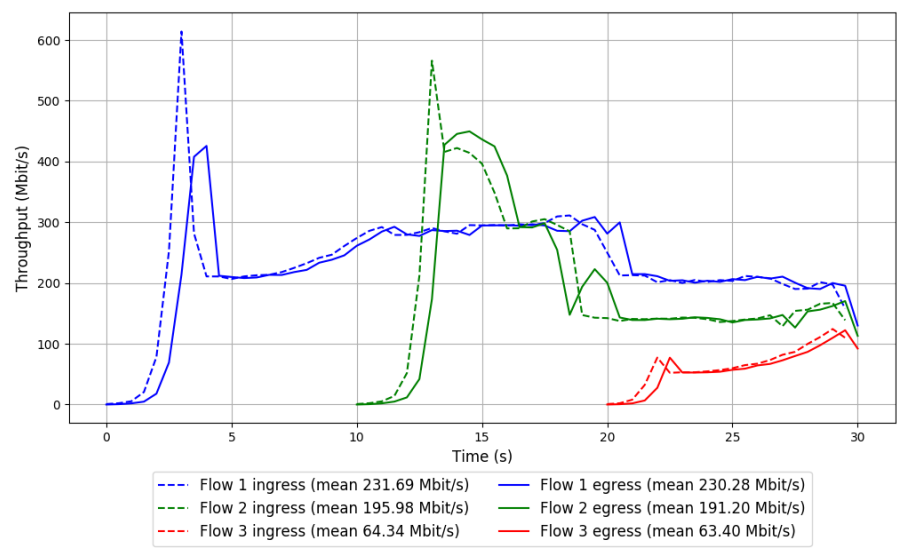


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-11 15:44:14
End at: 2018-07-11 15:44:44
Local clock offset: 0.068 ms
Remote clock offset: -1.358 ms

Below is generated by plot.py at 2018-07-11 21:58:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 377.92 Mbit/s
95th percentile per-packet one-way delay: 192.207 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 230.28 Mbit/s
95th percentile per-packet one-way delay: 140.739 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 191.20 Mbit/s
95th percentile per-packet one-way delay: 346.654 ms
Loss rate: 3.04%
-- Flow 3:
Average throughput: 63.40 Mbit/s
95th percentile per-packet one-way delay: 62.720 ms
Loss rate: 2.71%

Run 3: Report of PCC-Vivace — Data Link

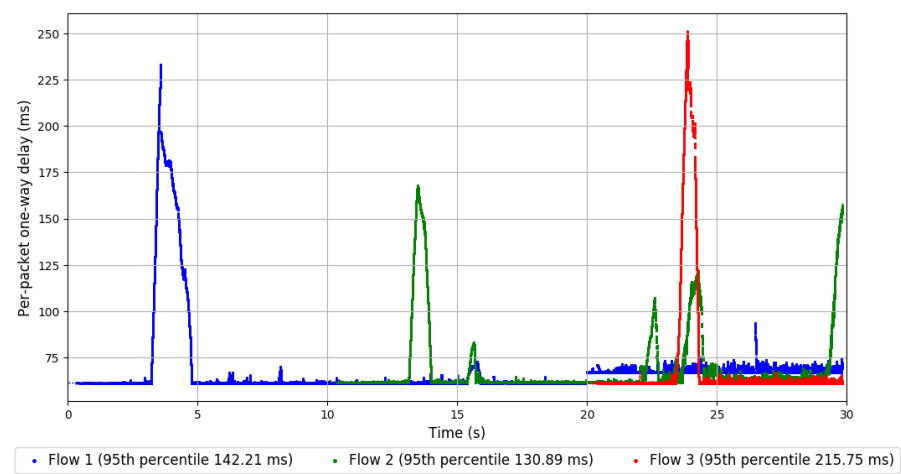
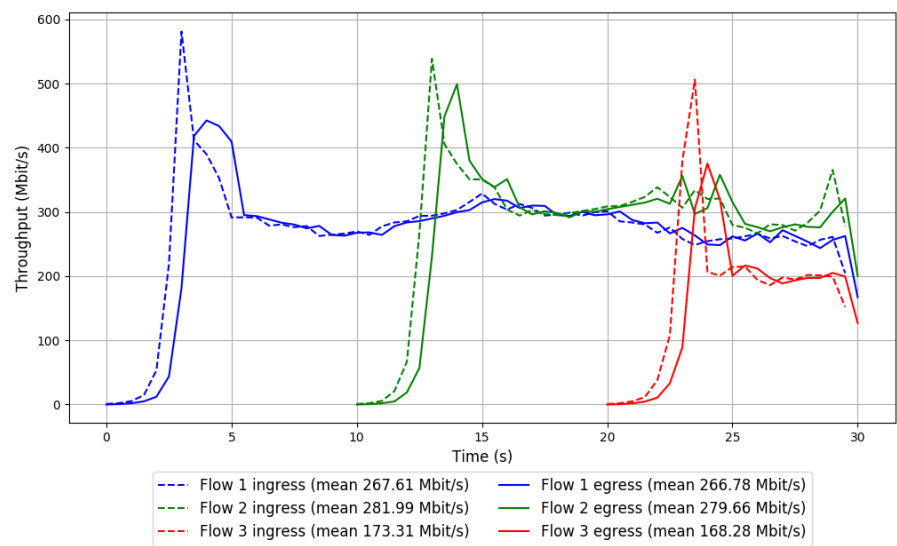


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-11 16:09:19
End at: 2018-07-11 16:09:49
Local clock offset: -0.021 ms
Remote clock offset: -0.416 ms

Below is generated by plot.py at 2018-07-11 21:59:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 507.34 Mbit/s
95th percentile per-packet one-way delay: 148.874 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 266.78 Mbit/s
95th percentile per-packet one-way delay: 142.214 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 279.66 Mbit/s
95th percentile per-packet one-way delay: 130.886 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 168.28 Mbit/s
95th percentile per-packet one-way delay: 215.746 ms
Loss rate: 4.11%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-11 16:34:19

End at: 2018-07-11 16:34:49

Local clock offset: 0.015 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-11 22:00:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 504.96 Mbit/s

95th percentile per-packet one-way delay: 222.674 ms

Loss rate: 1.25%

-- Flow 1:

Average throughput: 267.21 Mbit/s

95th percentile per-packet one-way delay: 232.210 ms

Loss rate: 1.52%

-- Flow 2:

Average throughput: 267.64 Mbit/s

95th percentile per-packet one-way delay: 111.184 ms

Loss rate: 0.69%

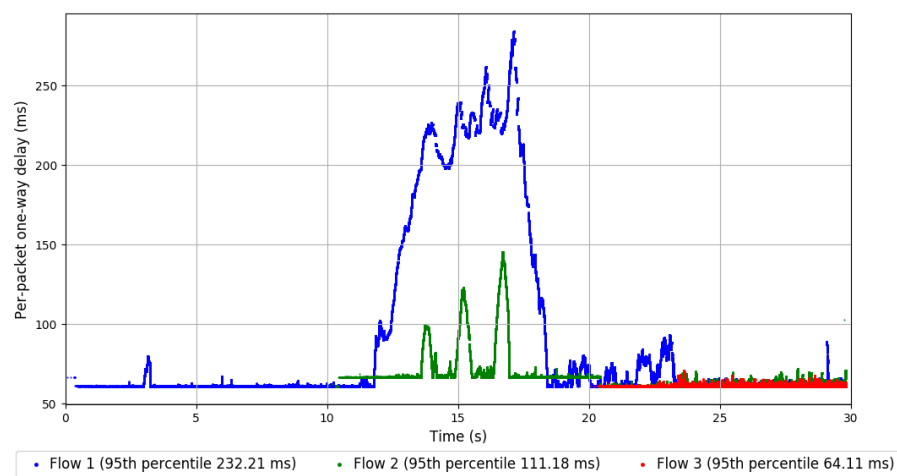
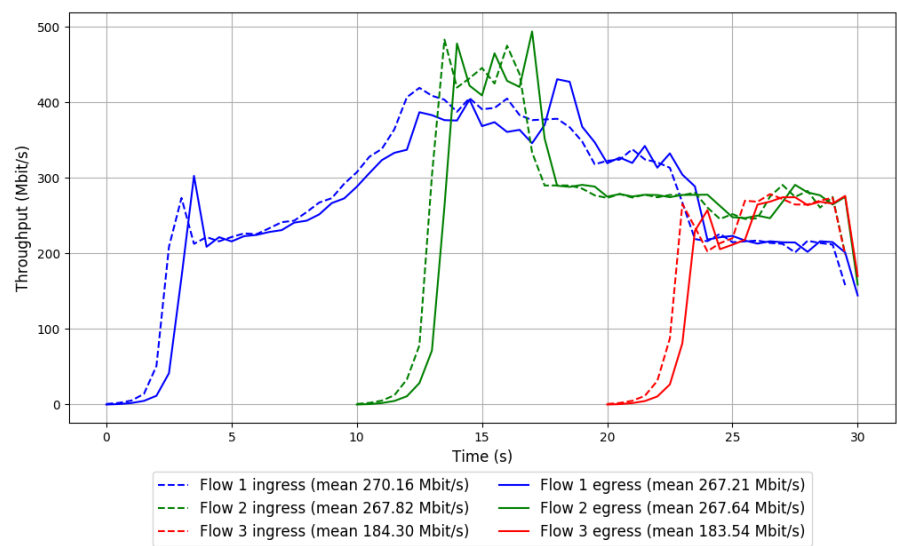
-- Flow 3:

Average throughput: 183.54 Mbit/s

95th percentile per-packet one-way delay: 64.114 ms

Loss rate: 1.66%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-11 16:59:42

End at: 2018-07-11 17:00:12

Local clock offset: 0.002 ms

Remote clock offset: 0.204 ms

Below is generated by plot.py at 2018-07-11 22:01:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 490.54 Mbit/s

95th percentile per-packet one-way delay: 110.919 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 295.38 Mbit/s

95th percentile per-packet one-way delay: 110.958 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 275.34 Mbit/s

95th percentile per-packet one-way delay: 116.583 ms

Loss rate: 0.62%

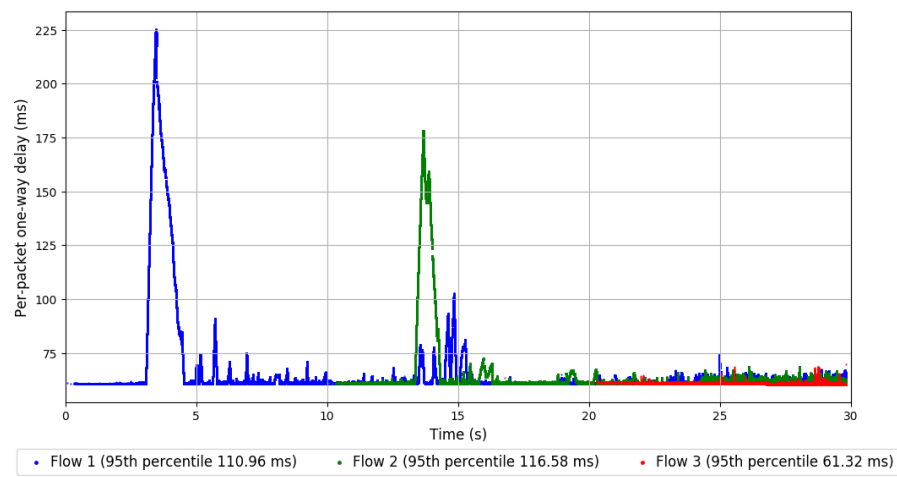
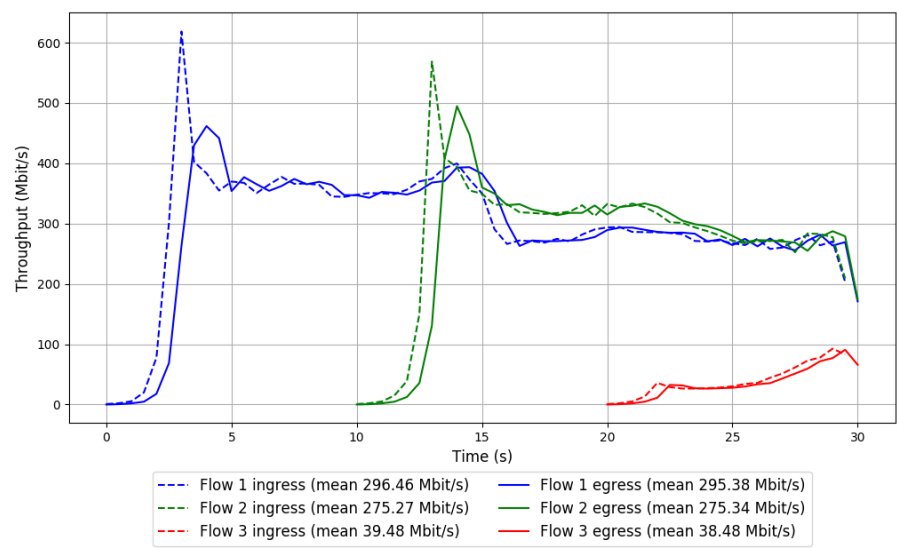
-- Flow 3:

Average throughput: 38.48 Mbit/s

95th percentile per-packet one-way delay: 61.318 ms

Loss rate: 3.73%

Run 6: Report of PCC-Vivace — Data Link

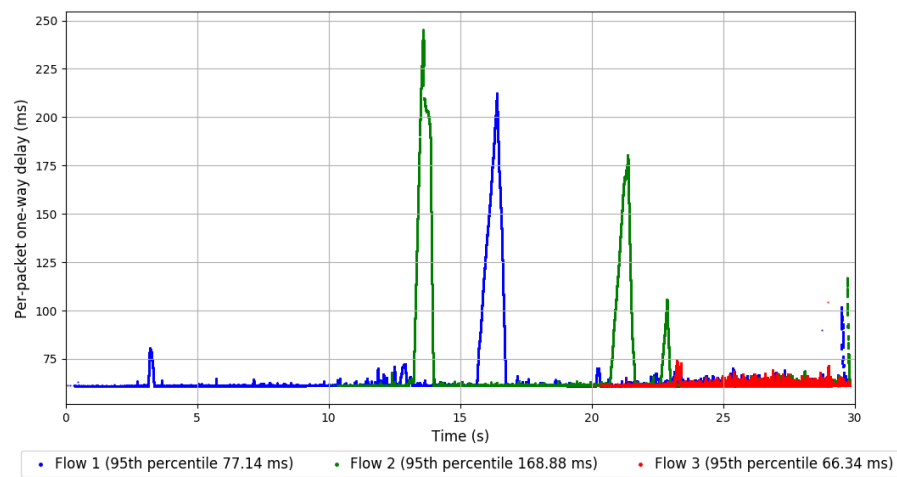
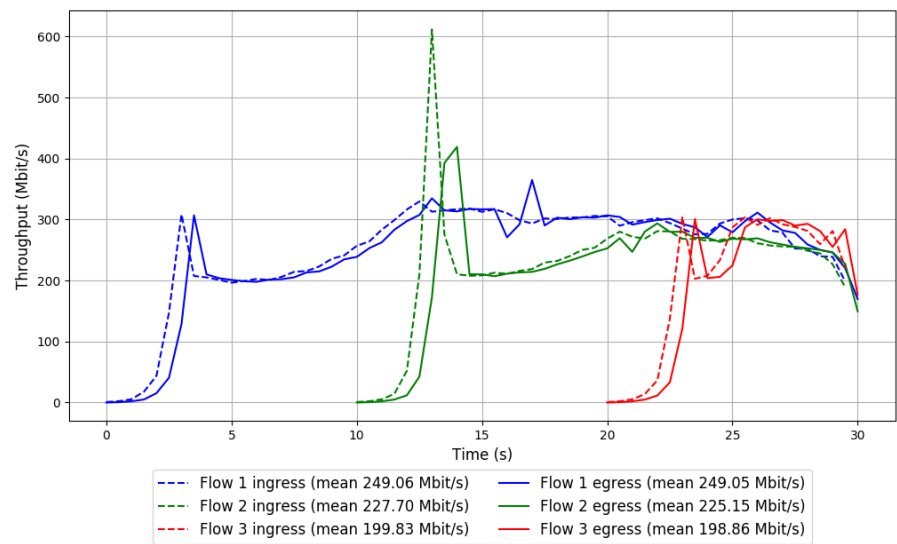


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-11 17:25:20
End at: 2018-07-11 17:25:50
Local clock offset: 0.02 ms
Remote clock offset: -0.074 ms

```
# Below is generated by plot.py at 2018-07-11 22:01:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 463.53 Mbit/s
95th percentile per-packet one-way delay: 102.677 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 249.05 Mbit/s
95th percentile per-packet one-way delay: 77.143 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 225.15 Mbit/s
95th percentile per-packet one-way delay: 168.877 ms
Loss rate: 1.85%
-- Flow 3:
Average throughput: 198.86 Mbit/s
95th percentile per-packet one-way delay: 66.343 ms
Loss rate: 1.96%
```


Run 7: Report of PCC-Vivace — Data Link

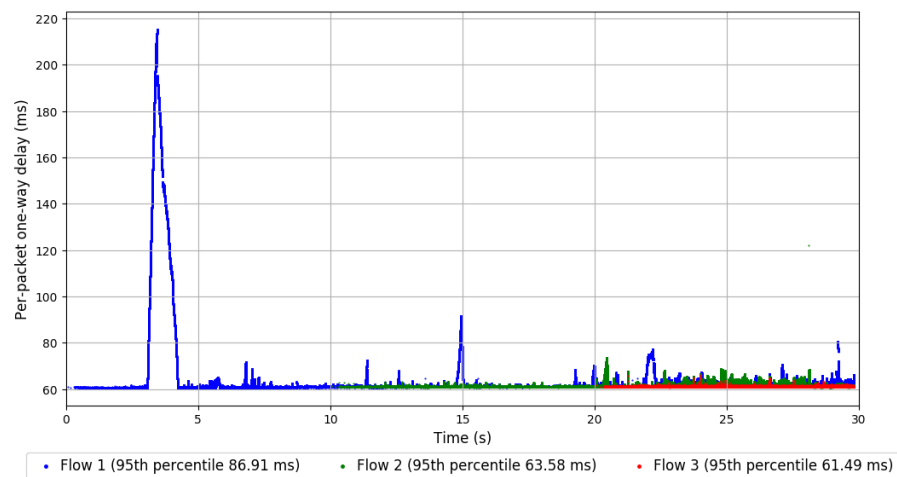
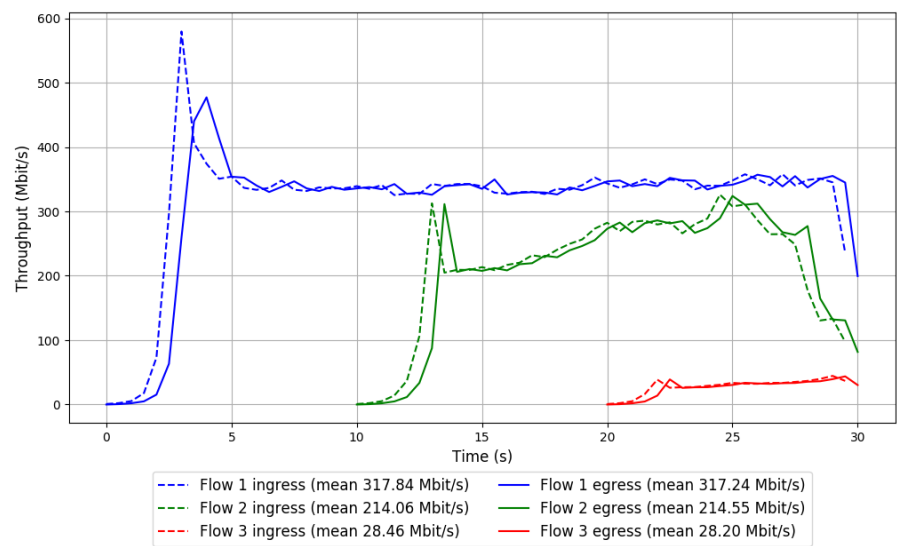


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-11 17:50:41
End at: 2018-07-11 17:51:11
Local clock offset: -0.02 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-11 22:01:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 468.82 Mbit/s
95th percentile per-packet one-way delay: 70.044 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 317.24 Mbit/s
95th percentile per-packet one-way delay: 86.912 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 214.55 Mbit/s
95th percentile per-packet one-way delay: 63.581 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 28.20 Mbit/s
95th percentile per-packet one-way delay: 61.490 ms
Loss rate: 2.18%

Run 8: Report of PCC-Vivace — Data Link

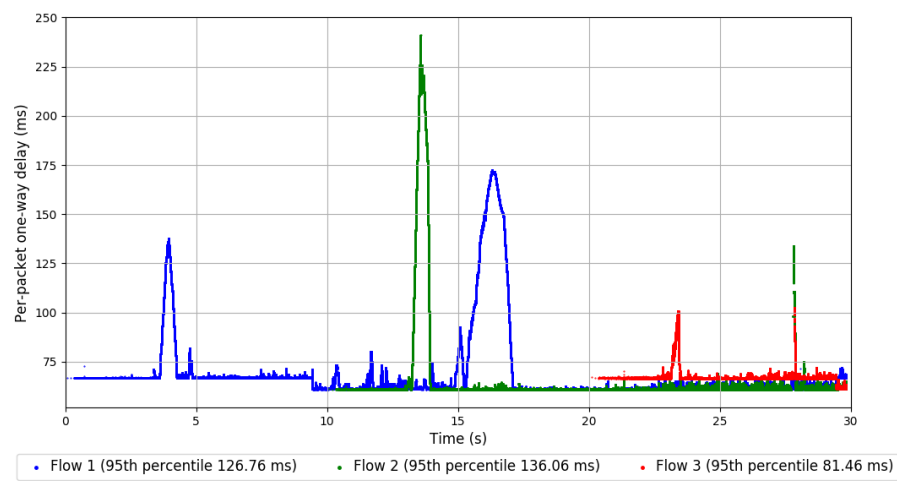
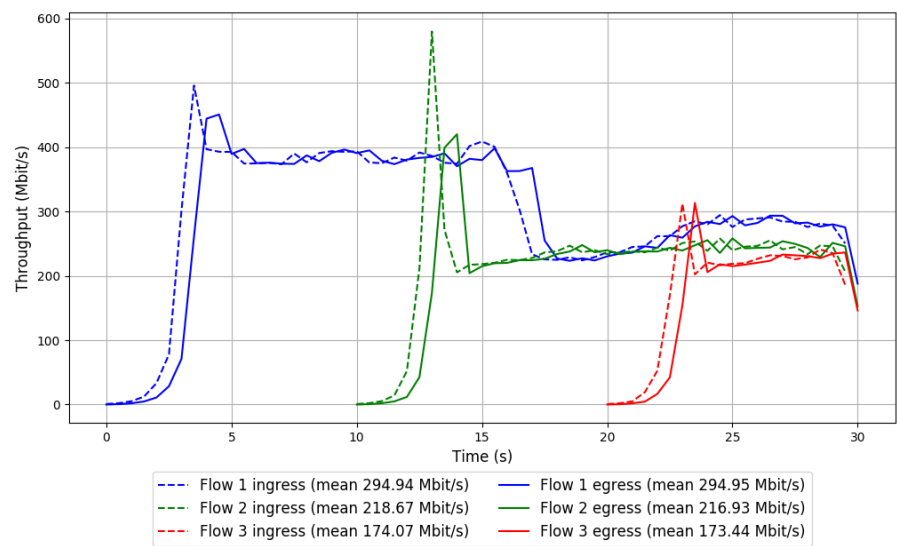


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-11 18:15:30
End at: 2018-07-11 18:16:00
Local clock offset: -0.032 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-11 22:02:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 495.64 Mbit/s
95th percentile per-packet one-way delay: 120.115 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 294.95 Mbit/s
95th percentile per-packet one-way delay: 126.764 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 216.93 Mbit/s
95th percentile per-packet one-way delay: 136.064 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 173.44 Mbit/s
95th percentile per-packet one-way delay: 81.456 ms
Loss rate: 2.09%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-11 18:40:27

End at: 2018-07-11 18:40:57

Local clock offset: -0.008 ms

Remote clock offset: 1.115 ms

Below is generated by plot.py at 2018-07-11 22:02:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 497.35 Mbit/s

95th percentile per-packet one-way delay: 63.203 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 304.00 Mbit/s

95th percentile per-packet one-way delay: 63.761 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 246.86 Mbit/s

95th percentile per-packet one-way delay: 62.854 ms

Loss rate: 0.83%

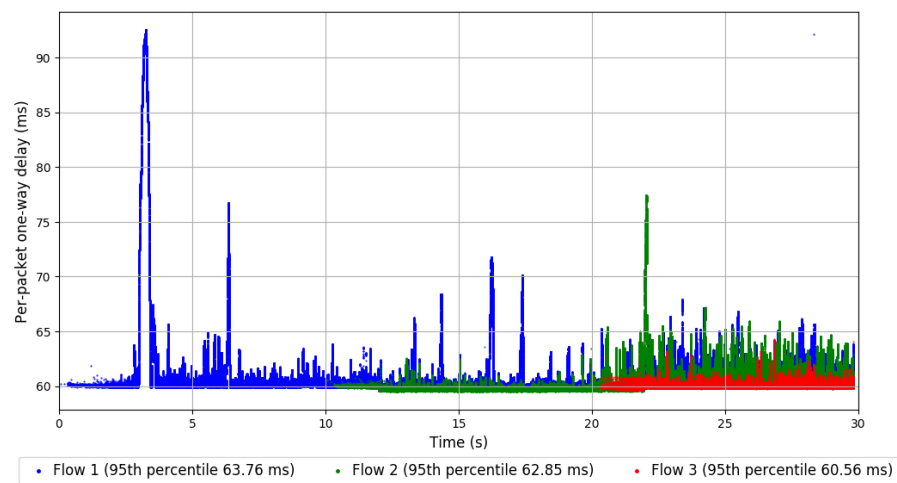
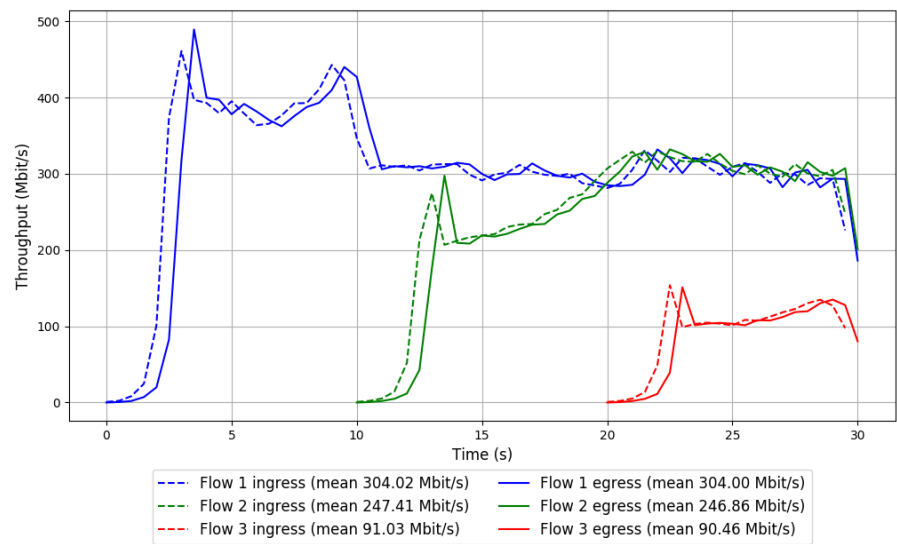
-- Flow 3:

Average throughput: 90.46 Mbit/s

95th percentile per-packet one-way delay: 60.562 ms

Loss rate: 1.82%

Run 10: Report of PCC-Vivace — Data Link

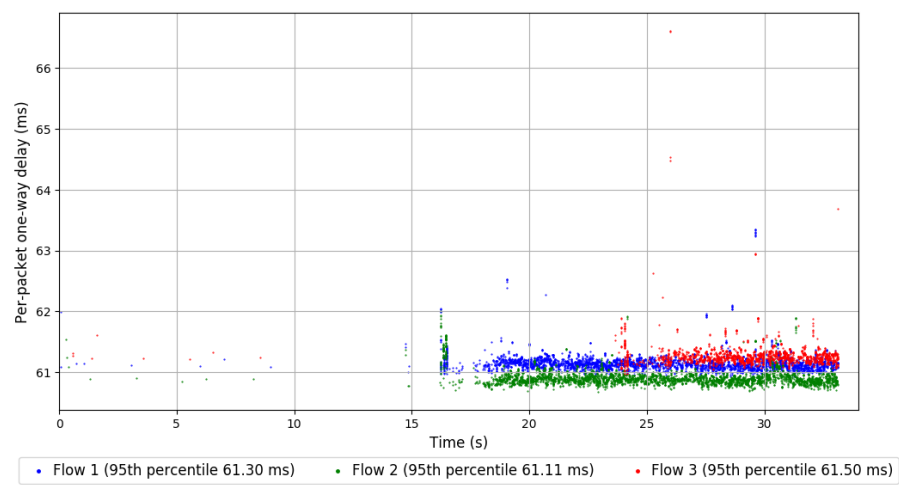
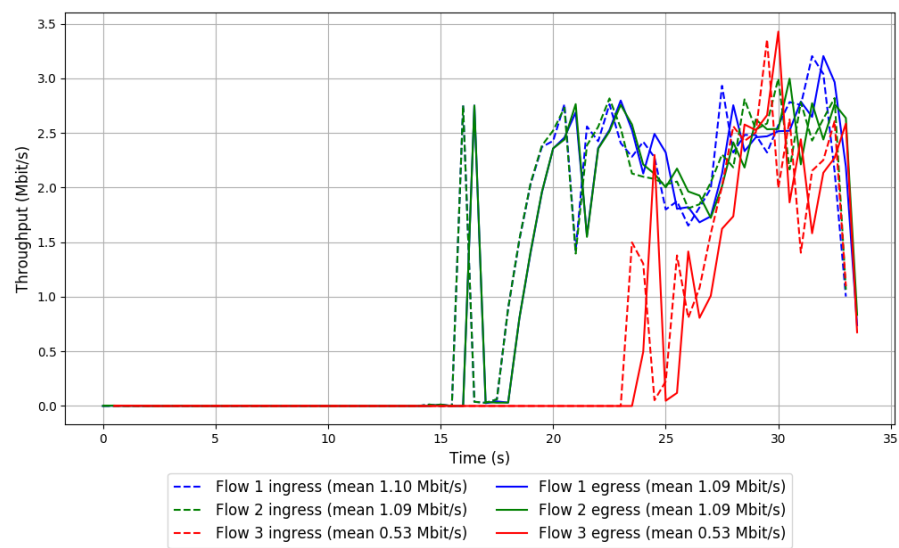


Run 1: Statistics of WebRTC media

Start at: 2018-07-11 14:42:34
End at: 2018-07-11 14:43:04
Local clock offset: 0.059 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-11 22:02:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 61.347 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 61.302 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 61.114 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 61.502 ms
Loss rate: 1.77%

Run 1: Report of WebRTC media — Data Link

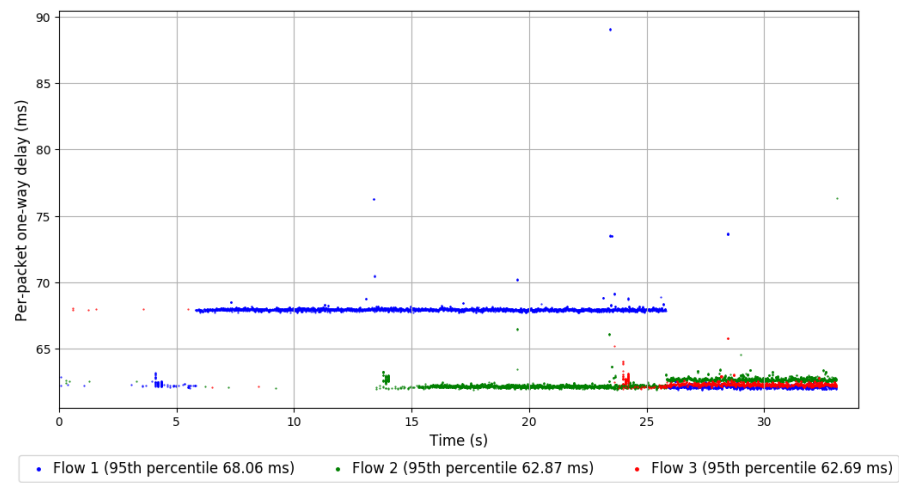
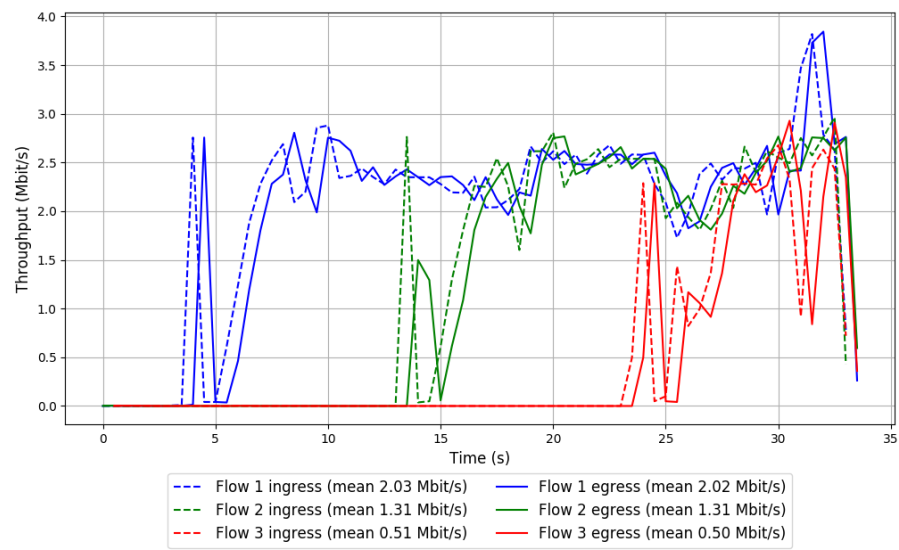


Run 2: Statistics of WebRTC media

Start at: 2018-07-11 15:07:26
End at: 2018-07-11 15:07:56
Local clock offset: 0.047 ms
Remote clock offset: -1.322 ms

Below is generated by plot.py at 2018-07-11 22:02:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 68.027 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 68.060 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 62.865 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 62.689 ms
Loss rate: 2.16%

Run 2: Report of WebRTC media — Data Link

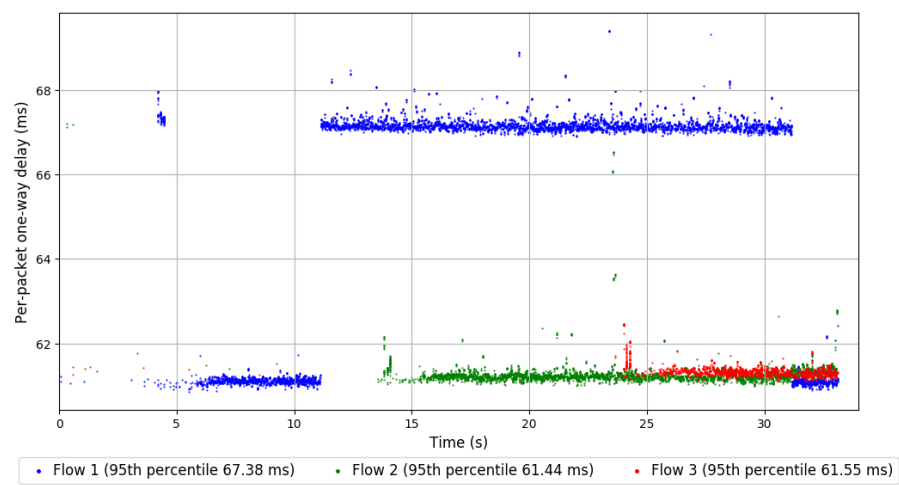
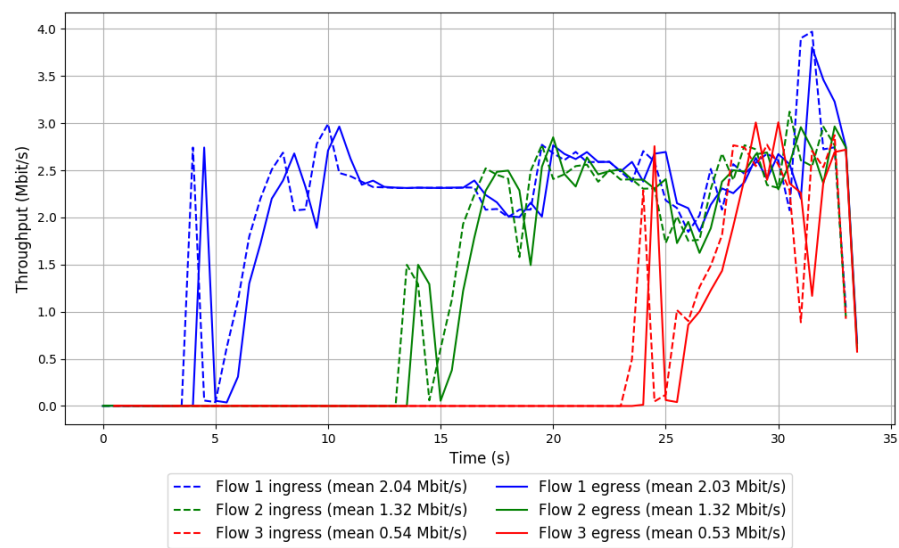


Run 3: Statistics of WebRTC media

Start at: 2018-07-11 15:32:41
End at: 2018-07-11 15:33:11
Local clock offset: 0.051 ms
Remote clock offset: -0.214 ms

Below is generated by plot.py at 2018-07-11 22:02:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 67.294 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 67.381 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 61.441 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 61.546 ms
Loss rate: 2.13%

Run 3: Report of WebRTC media — Data Link

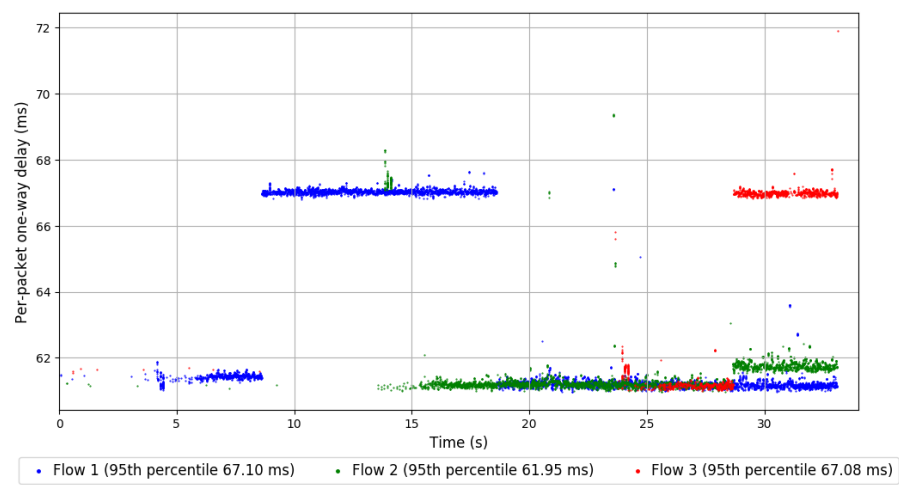
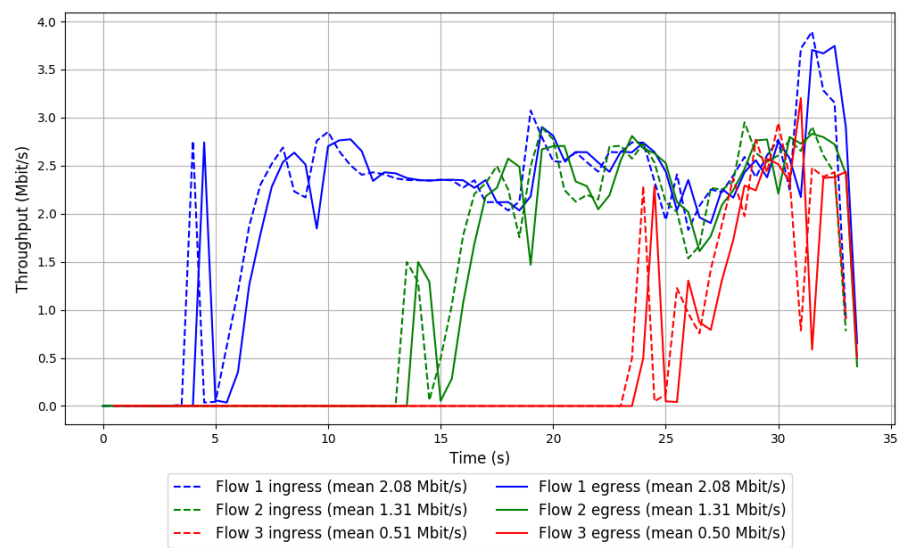


Run 4: Statistics of WebRTC media

Start at: 2018-07-11 15:57:44
End at: 2018-07-11 15:58:14
Local clock offset: 0.005 ms
Remote clock offset: -0.344 ms

```
# Below is generated by plot.py at 2018-07-11 22:02:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 67.083 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 67.097 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 61.952 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 67.079 ms
Loss rate: 2.22%
```

Run 4: Report of WebRTC media — Data Link

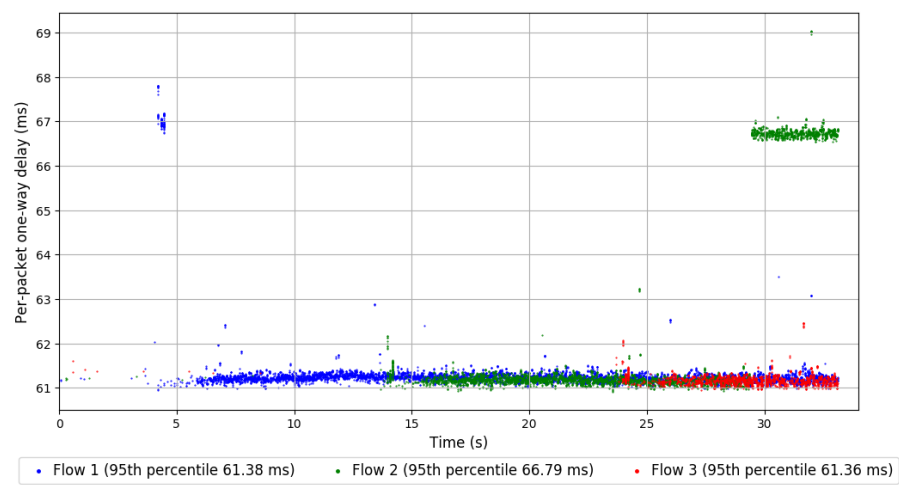
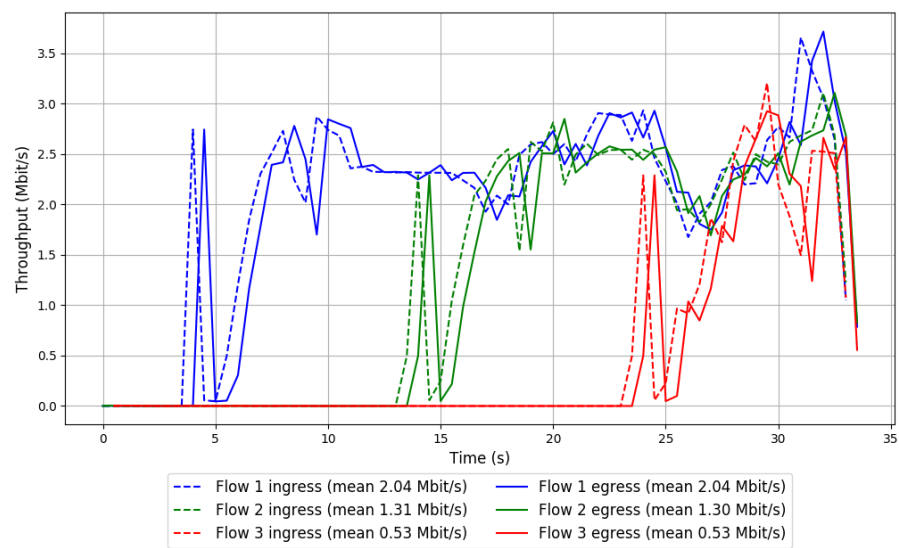


Run 5: Statistics of WebRTC media

Start at: 2018-07-11 16:22:53
End at: 2018-07-11 16:23:23
Local clock offset: 0.018 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-11 22:02:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 66.717 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 61.384 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 66.787 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 61.357 ms
Loss rate: 2.05%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-11 16:48:05

End at: 2018-07-11 16:48:36

Local clock offset: -0.069 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-07-11 22:02:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.79 Mbit/s

95th percentile per-packet one-way delay: 61.535 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 61.003 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 61.652 ms

Loss rate: 0.96%

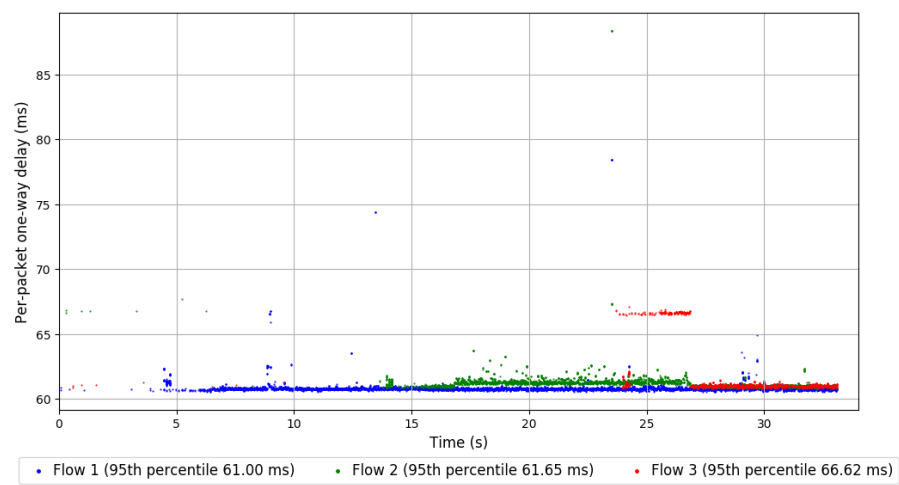
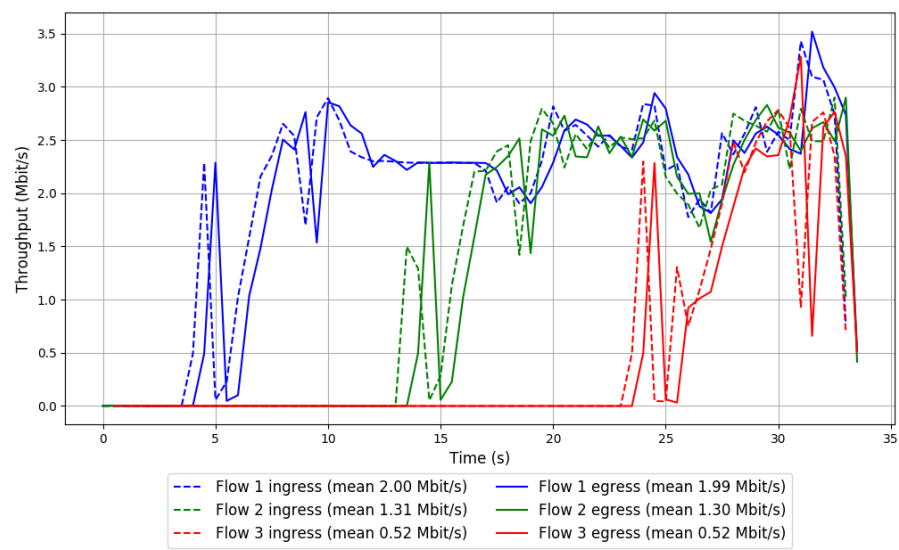
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 66.620 ms

Loss rate: 1.50%

Run 6: Report of WebRTC media — Data Link

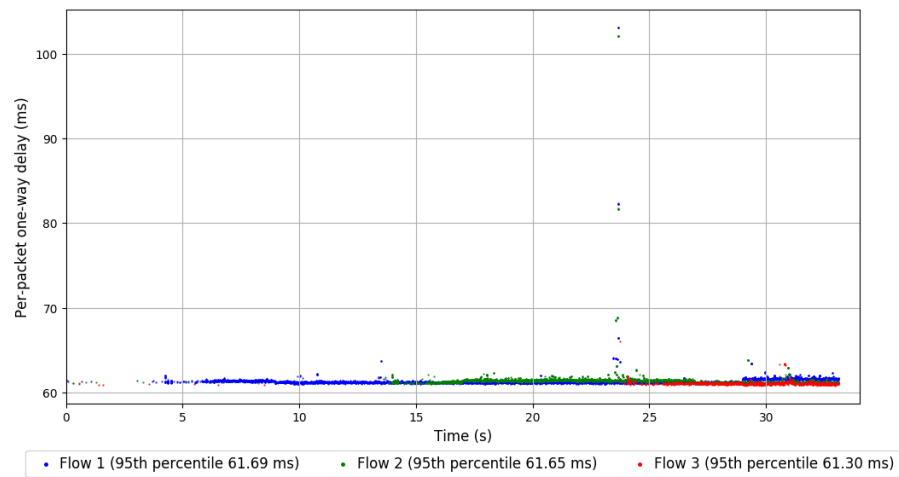
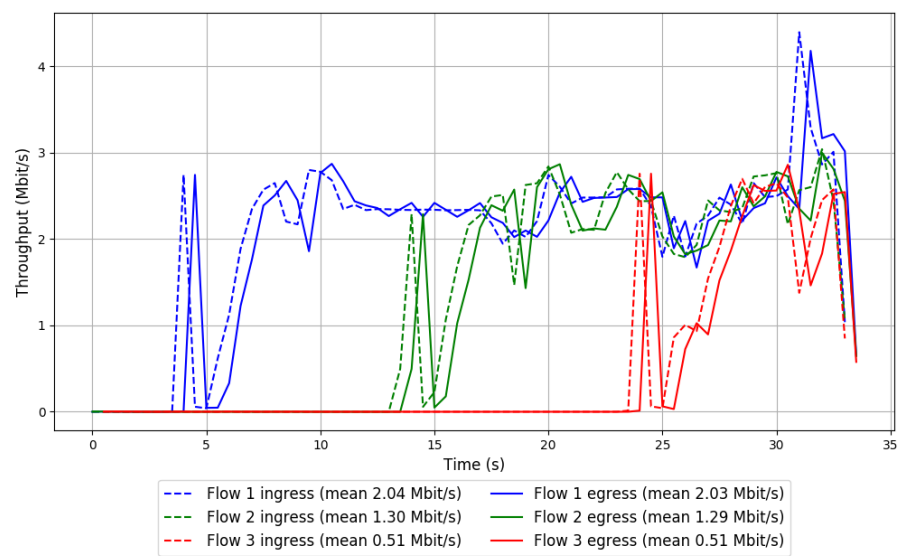


Run 7: Statistics of WebRTC media

Start at: 2018-07-11 17:13:43
End at: 2018-07-11 17:14:13
Local clock offset: 0.006 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-11 22:02:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.81 Mbit/s
95th percentile per-packet one-way delay: 61.661 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 61.686 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 61.647 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 61.296 ms
Loss rate: 1.72%

Run 7: Report of WebRTC media — Data Link

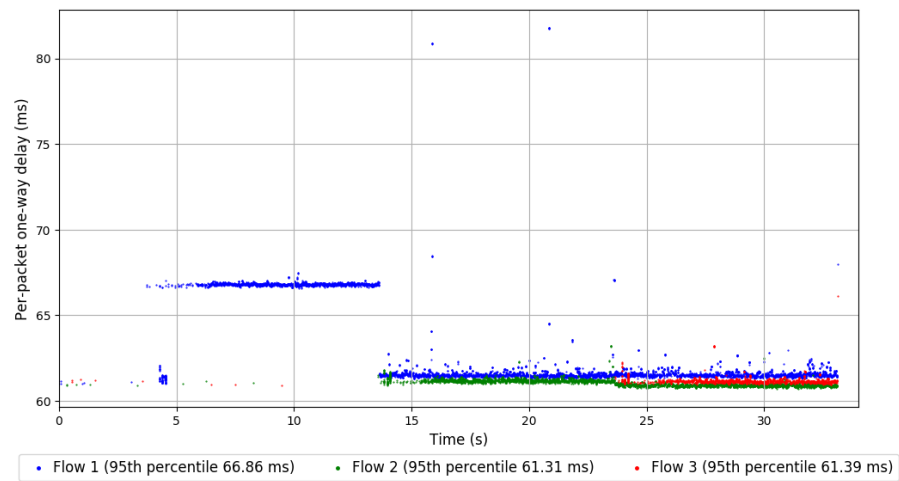
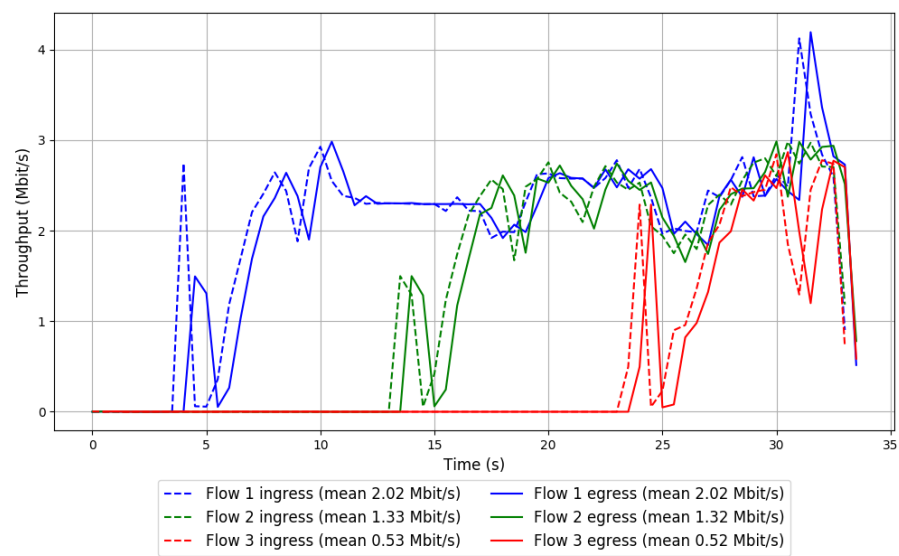


Run 8: Statistics of WebRTC media

Start at: 2018-07-11 17:38:59
End at: 2018-07-11 17:39:29
Local clock offset: -0.07 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-11 22:02:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 66.827 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 66.857 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 61.306 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 61.389 ms
Loss rate: 1.51%

Run 8: Report of WebRTC media — Data Link

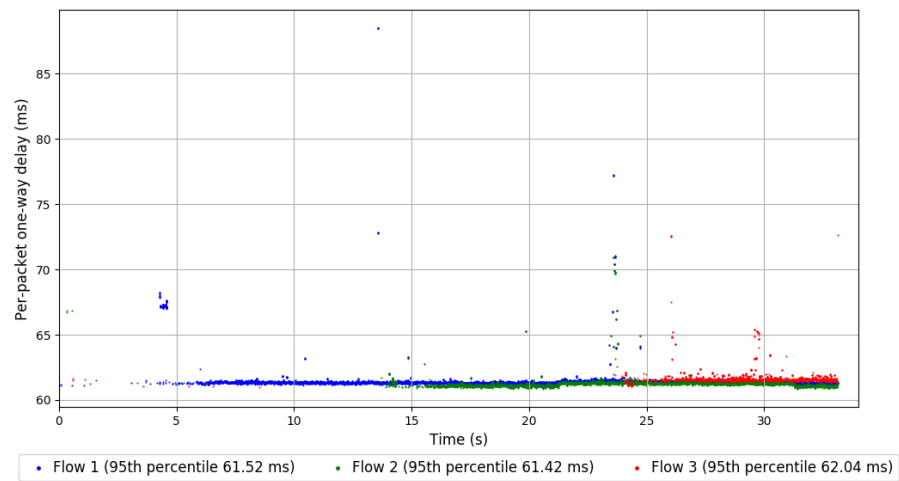
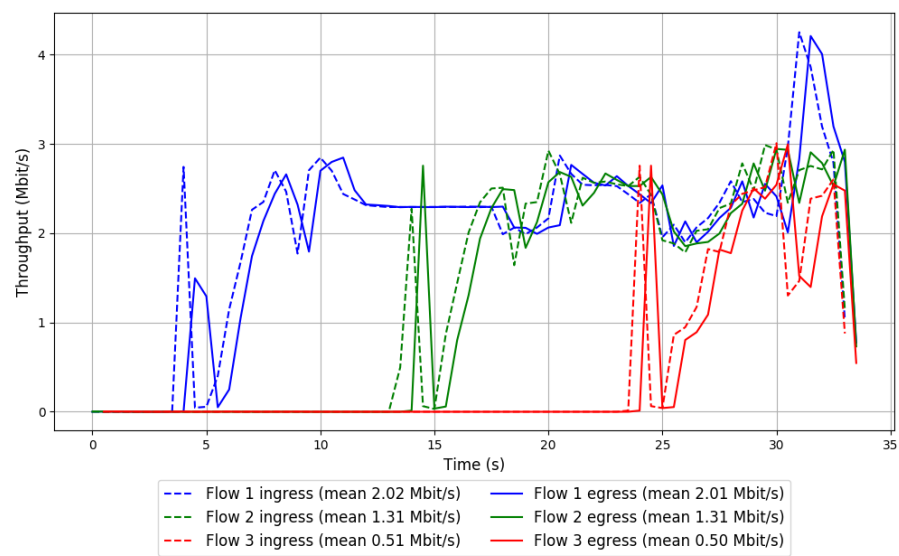


Run 9: Statistics of WebRTC media

Start at: 2018-07-11 18:03:51
End at: 2018-07-11 18:04:21
Local clock offset: -0.057 ms
Remote clock offset: -0.253 ms

Below is generated by plot.py at 2018-07-11 22:02:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 61.631 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 61.516 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 61.421 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 62.038 ms
Loss rate: 2.05%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-11 18:29:10

End at: 2018-07-11 18:29:40

Local clock offset: 0.005 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-07-11 22:02:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 61.460 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 61.232 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 61.572 ms

Loss rate: 0.88%

-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 61.065 ms

Loss rate: 1.75%

Run 10: Report of WebRTC media — Data Link

