

Pantheon Report

Generated at 2018-07-12 23:08:24 (UTC).

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

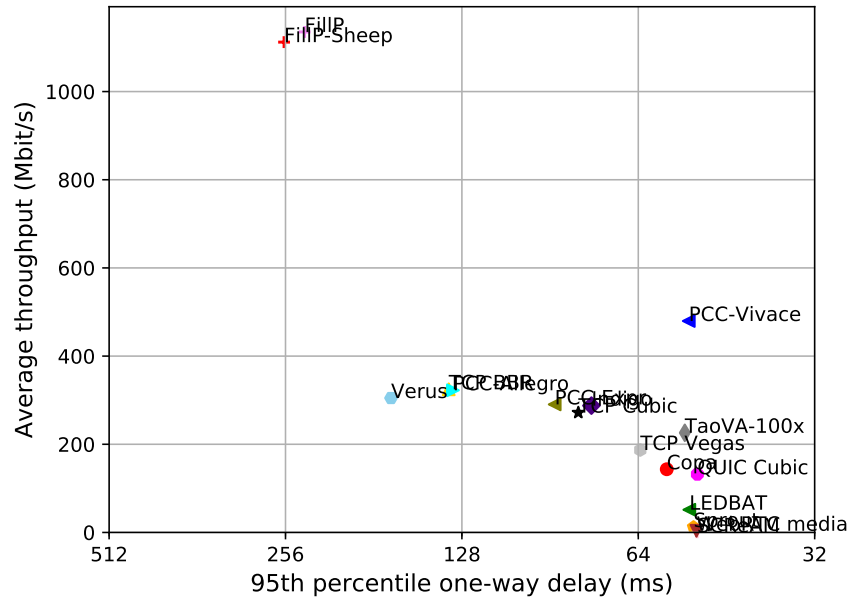
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

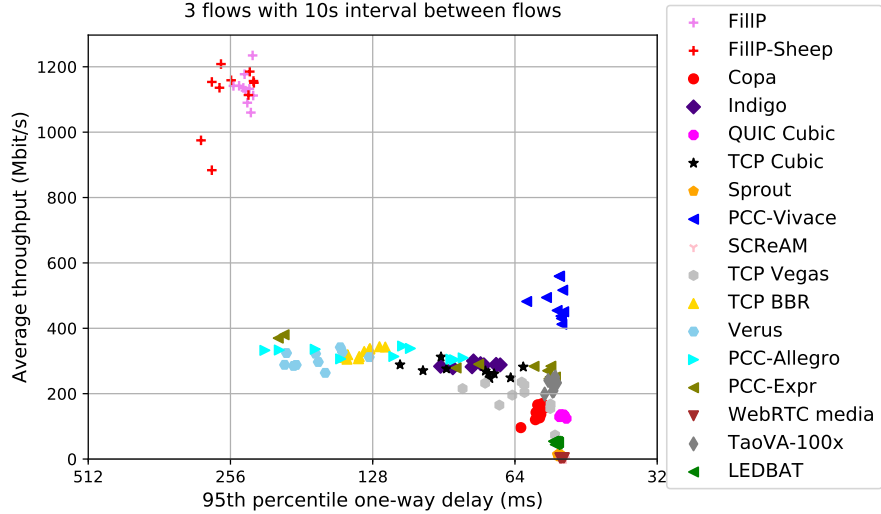
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	178.85	157.10	125.34	130.95	134.62	141.05	0.42	0.67	1.85
Copa	10	81.47	68.48	64.95	56.59	58.51	57.38	0.33	0.34	1.42
TCP Cubic	10	163.22	148.75	29.55	79.86	81.50	80.48	0.31	0.73	3.51
FillP	10	567.14	585.21	545.64	243.30	234.05	217.57	0.91	0.98	2.52
FillP-Sheep	10	575.78	556.75	507.32	264.03	248.43	213.51	1.55	1.60	2.04
Indigo	10	170.61	143.39	66.50	73.97	77.59	84.39	0.31	0.54	1.13
LEDBAT	10	32.87	22.80	10.81	52.39	52.42	52.31	0.70	1.01	2.13
PCC-Allegro	10	289.62	36.72	26.05	132.39	133.28	121.96	0.43	0.64	1.22
PCC-Expr	10	189.78	133.05	37.79	87.92	90.19	92.31	0.97	1.60	2.44
QUIC Cubic	10	70.55	66.24	52.80	50.53	50.70	50.25	0.37	0.57	1.18
SCReAM	10	0.22	0.22	0.22	50.61	50.70	50.23	0.33	0.59	1.02
Sprout	10	5.61	6.96	6.18	51.48	51.51	51.51	0.29	0.55	1.00
TaoVA-100x	10	138.06	87.20	100.12	52.68	54.69	55.42	0.25	0.44	1.56
TCP Vegas	10	99.07	102.14	60.89	60.57	62.36	65.11	0.31	0.49	1.19
Verus	10	191.36	128.30	86.61	158.23	176.27	180.48	0.52	1.07	3.06
PCC-Vivace	10	272.75	250.37	124.16	50.92	52.89	51.46	0.33	0.56	1.61
WebRTC media	10	1.99	1.30	0.53	50.79	50.84	51.11	0.42	0.66	1.57

Run 1: Statistics of TCP BBR

Start at: 2018-07-12 16:38:07

End at: 2018-07-12 16:38:37

Local clock offset: -0.179 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-12 20:55:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 336.26 Mbit/s

95th percentile per-packet one-way delay: 129.978 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 189.63 Mbit/s

95th percentile per-packet one-way delay: 128.573 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 157.52 Mbit/s

95th percentile per-packet one-way delay: 130.098 ms

Loss rate: 0.76%

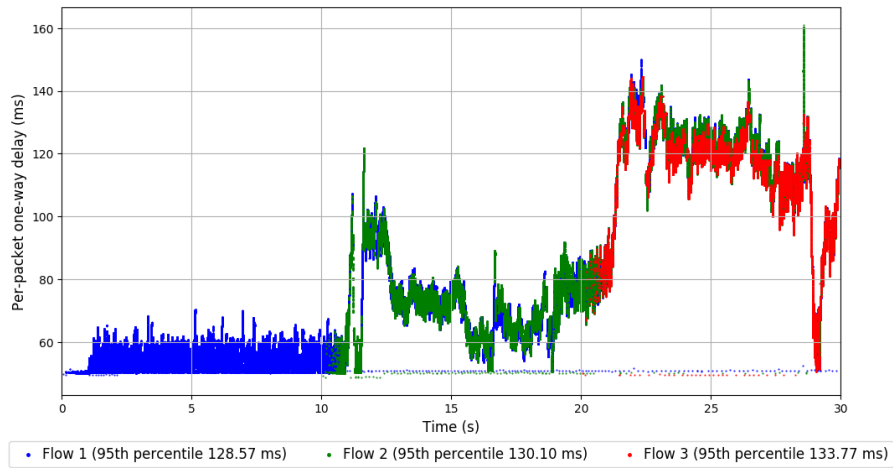
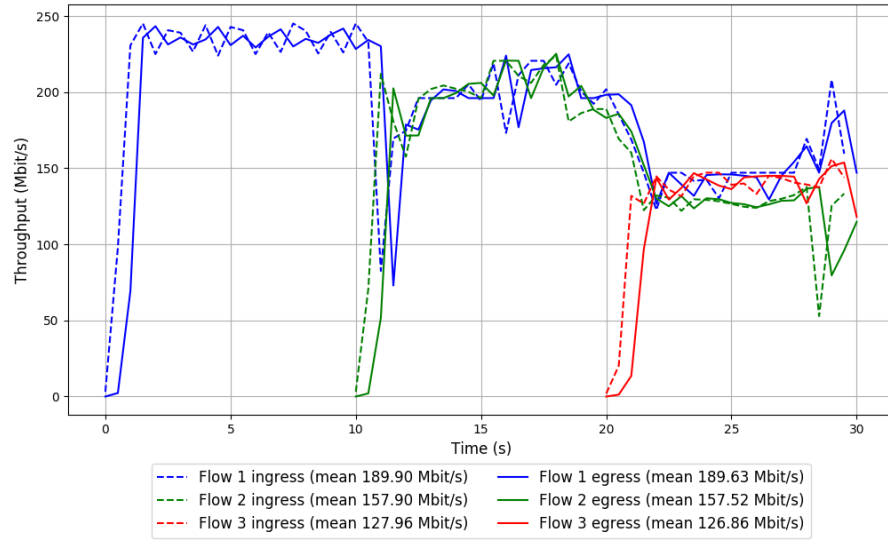
-- Flow 3:

Average throughput: 126.86 Mbit/s

95th percentile per-packet one-way delay: 133.770 ms

Loss rate: 1.87%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-12 17:02:25

End at: 2018-07-12 17:02:55

Local clock offset: -0.143 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-07-12 20:55:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 305.49 Mbit/s

95th percentile per-packet one-way delay: 145.106 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 167.15 Mbit/s

95th percentile per-packet one-way delay: 140.530 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 152.22 Mbit/s

95th percentile per-packet one-way delay: 144.838 ms

Loss rate: 0.37%

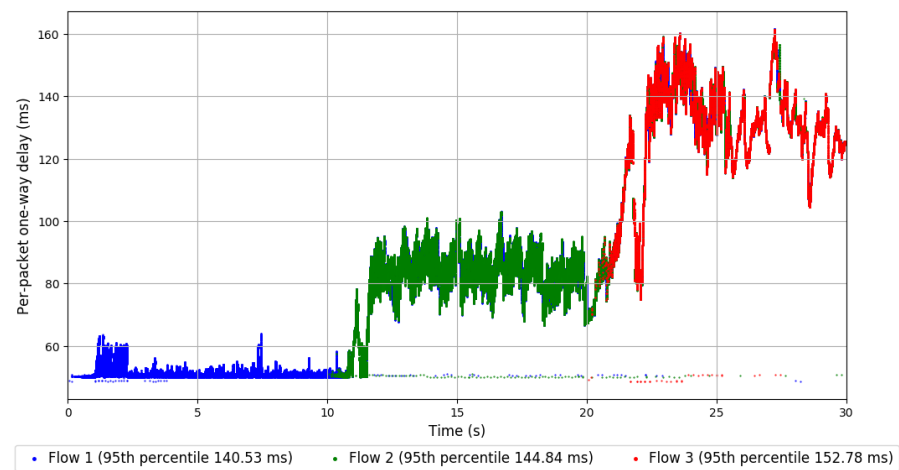
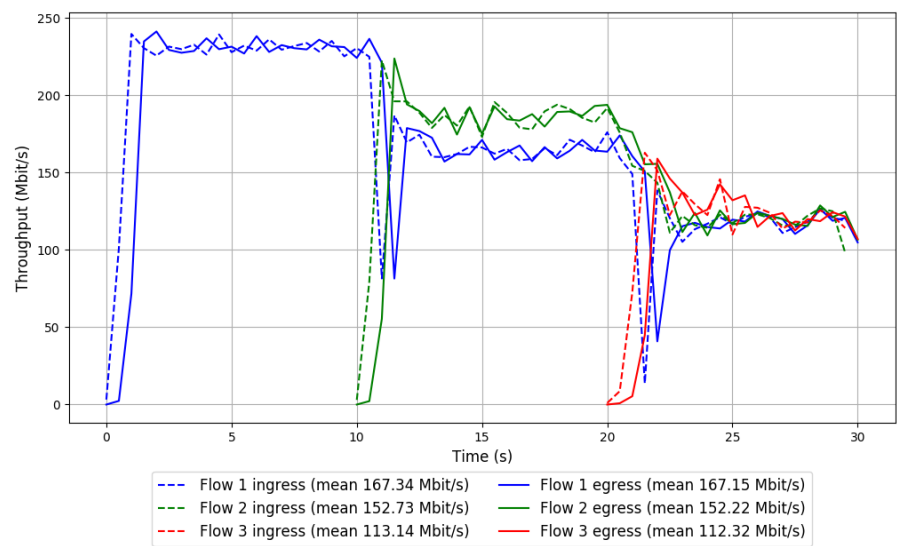
-- Flow 3:

Average throughput: 112.32 Mbit/s

95th percentile per-packet one-way delay: 152.780 ms

Loss rate: 1.71%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-12 17:26:31

End at: 2018-07-12 17:27:01

Local clock offset: -0.224 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-12 20:55:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 319.23 Mbit/s

95th percentile per-packet one-way delay: 144.612 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 177.30 Mbit/s

95th percentile per-packet one-way delay: 141.453 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 154.67 Mbit/s

95th percentile per-packet one-way delay: 143.737 ms

Loss rate: 0.73%

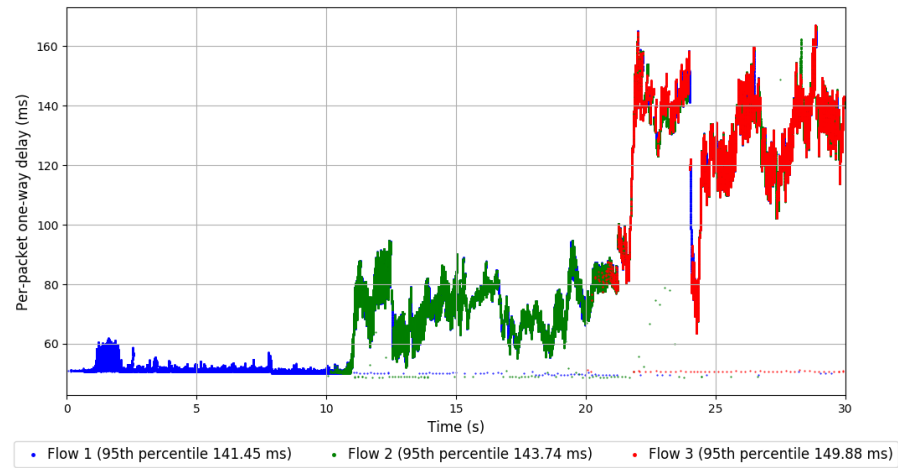
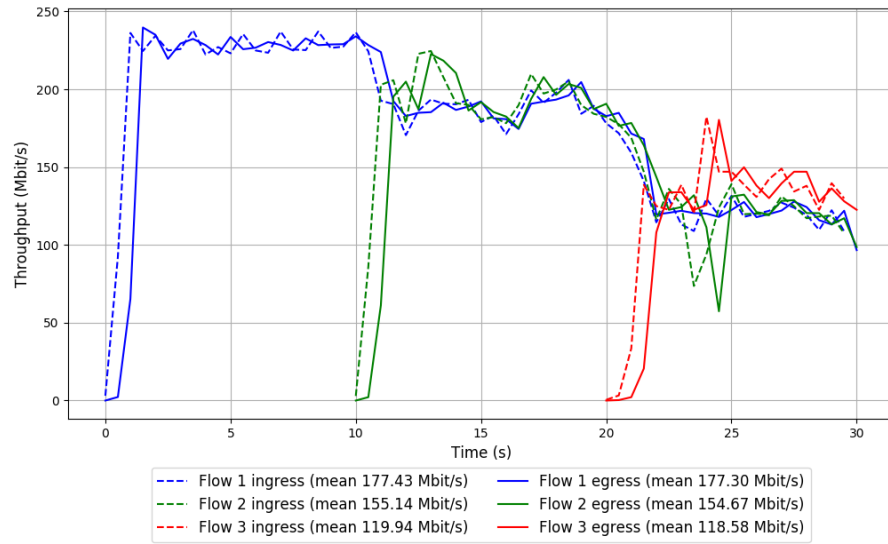
-- Flow 3:

Average throughput: 118.58 Mbit/s

95th percentile per-packet one-way delay: 149.876 ms

Loss rate: 2.06%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-12 17:50:33

End at: 2018-07-12 17:51:03

Local clock offset: -0.157 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-12 20:55:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 342.76 Mbit/s

95th percentile per-packet one-way delay: 120.373 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 188.23 Mbit/s

95th percentile per-packet one-way delay: 117.241 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 166.01 Mbit/s

95th percentile per-packet one-way delay: 120.257 ms

Loss rate: 0.65%

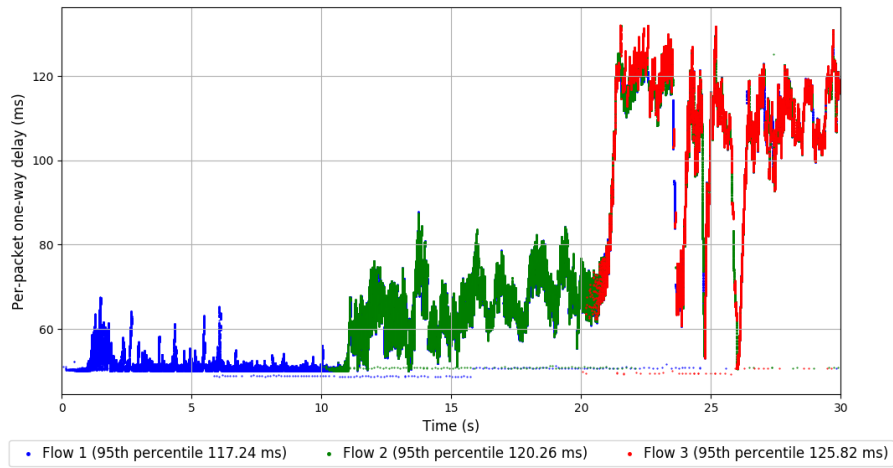
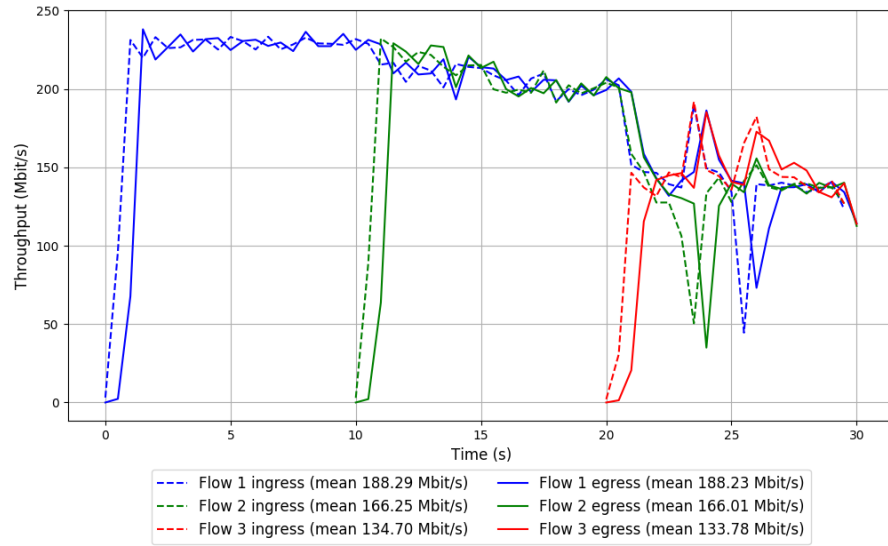
-- Flow 3:

Average throughput: 133.78 Mbit/s

95th percentile per-packet one-way delay: 125.824 ms

Loss rate: 1.69%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-12 18:14:38

End at: 2018-07-12 18:15:08

Local clock offset: -0.511 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-07-12 20:55:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 311.26 Mbit/s

95th percentile per-packet one-way delay: 147.000 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 171.70 Mbit/s

95th percentile per-packet one-way delay: 142.704 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 148.24 Mbit/s

95th percentile per-packet one-way delay: 147.296 ms

Loss rate: 0.74%

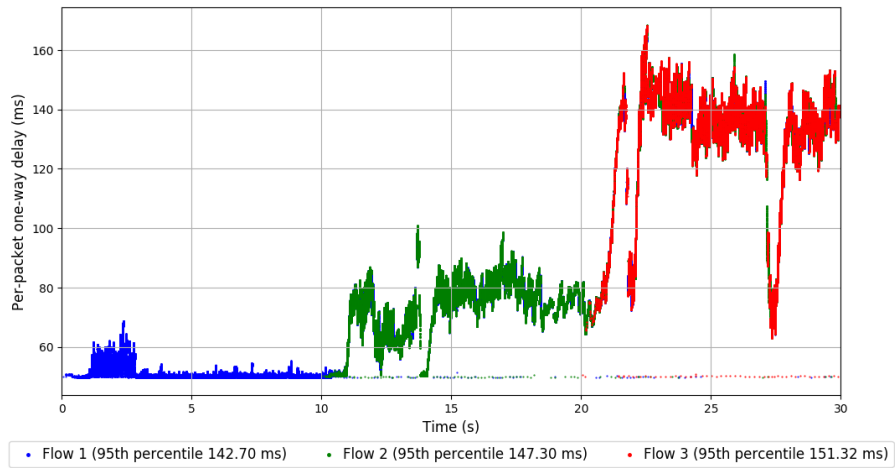
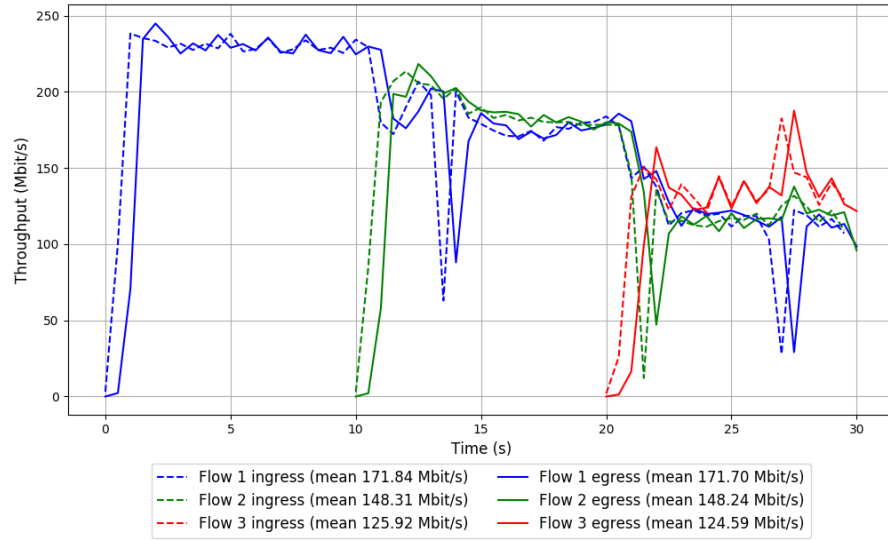
-- Flow 3:

Average throughput: 124.59 Mbit/s

95th percentile per-packet one-way delay: 151.317 ms

Loss rate: 1.99%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-12 18:38:18

End at: 2018-07-12 18:38:48

Local clock offset: -0.095 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-12 20:55:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 338.07 Mbit/s

95th percentile per-packet one-way delay: 129.738 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 182.16 Mbit/s

95th percentile per-packet one-way delay: 123.143 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 167.44 Mbit/s

95th percentile per-packet one-way delay: 128.440 ms

Loss rate: 0.74%

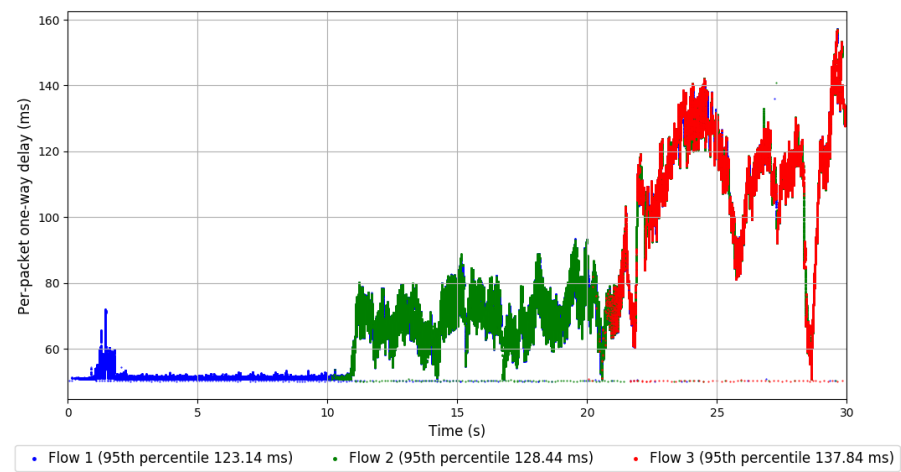
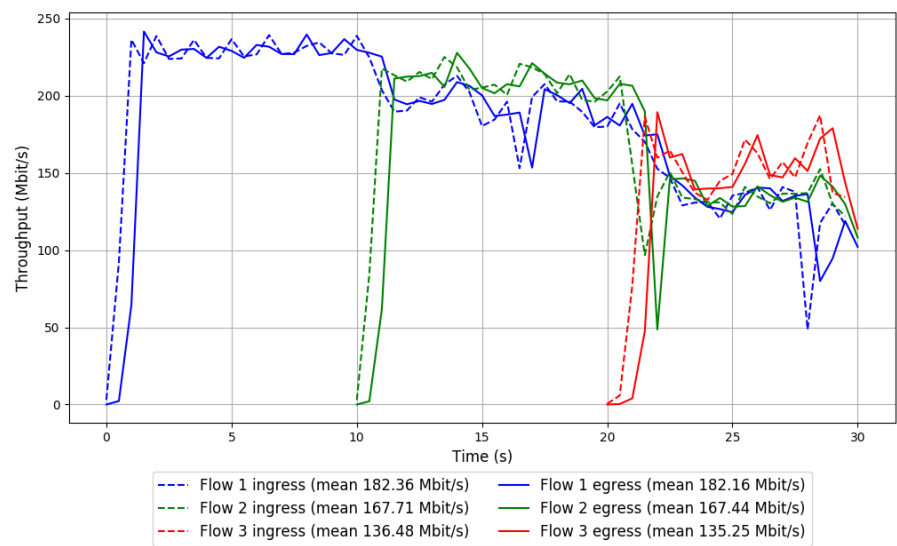
-- Flow 3:

Average throughput: 135.25 Mbit/s

95th percentile per-packet one-way delay: 137.840 ms

Loss rate: 1.91%

Run 6: Report of TCP BBR — Data Link

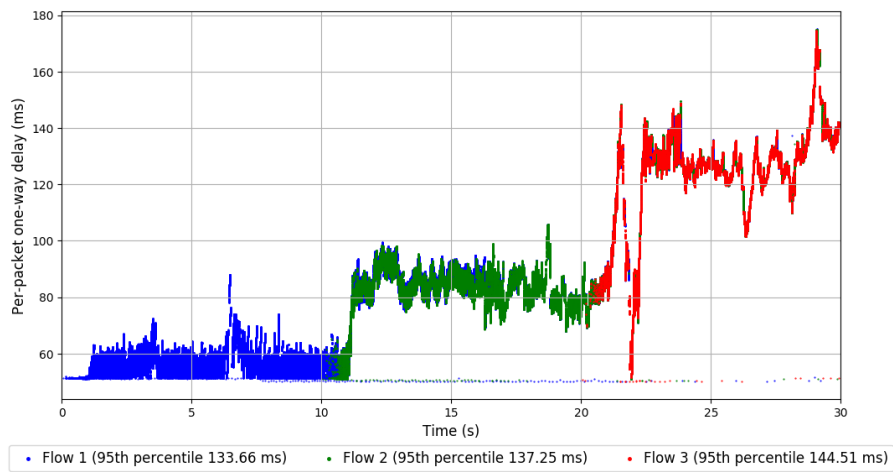
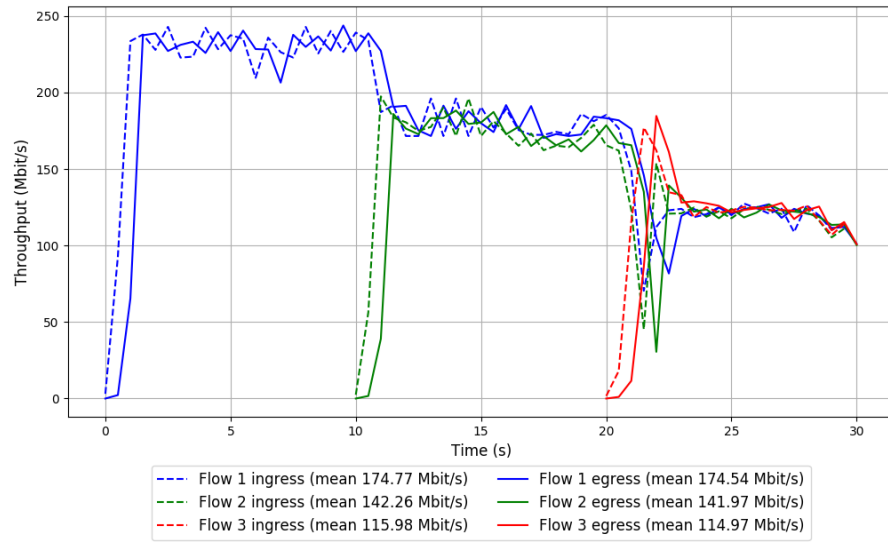


Run 7: Statistics of TCP BBR

Start at: 2018-07-12 19:02:21
End at: 2018-07-12 19:02:51
Local clock offset: 0.251 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-12 20:55:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 306.92 Mbit/s
95th percentile per-packet one-way delay: 137.155 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 174.54 Mbit/s
95th percentile per-packet one-way delay: 133.655 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 141.97 Mbit/s
95th percentile per-packet one-way delay: 137.252 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 114.97 Mbit/s
95th percentile per-packet one-way delay: 144.515 ms
Loss rate: 1.89%

Run 7: Report of TCP BBR — Data Link

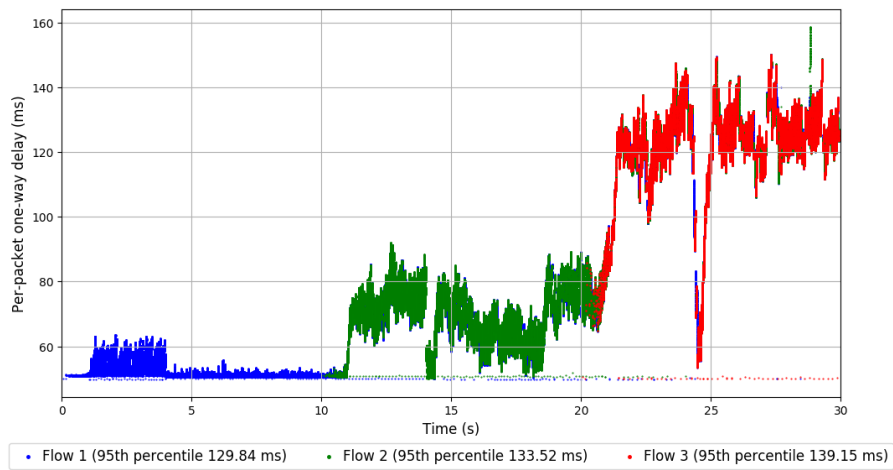
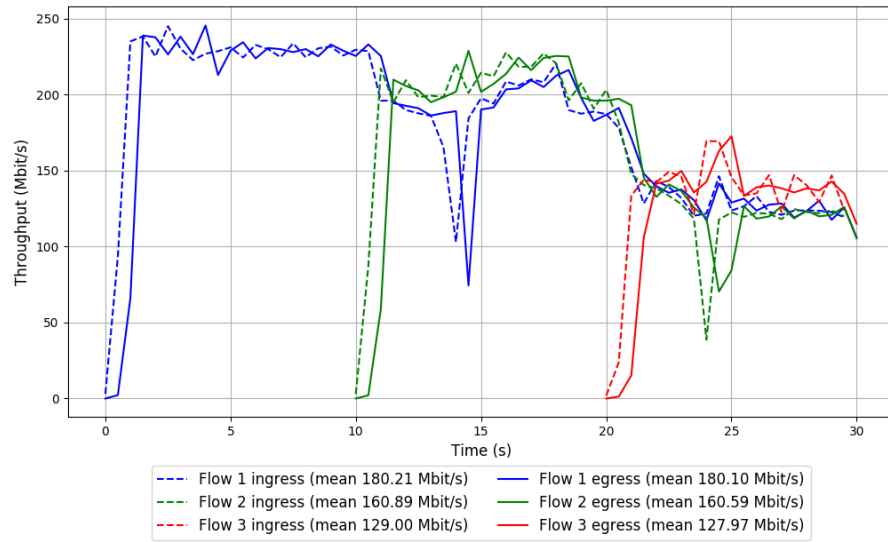


Run 8: Statistics of TCP BBR

Start at: 2018-07-12 19:26:25
End at: 2018-07-12 19:26:55
Local clock offset: -0.115 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-12 20:55:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 329.17 Mbit/s
95th percentile per-packet one-way delay: 133.410 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 180.10 Mbit/s
95th percentile per-packet one-way delay: 129.841 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 160.59 Mbit/s
95th percentile per-packet one-way delay: 133.518 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 127.97 Mbit/s
95th percentile per-packet one-way delay: 139.145 ms
Loss rate: 1.81%

Run 8: Report of TCP BBR — Data Link

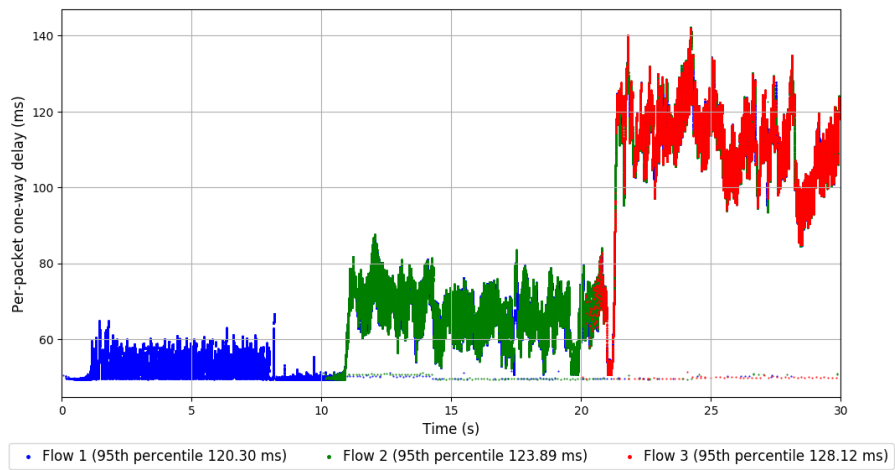
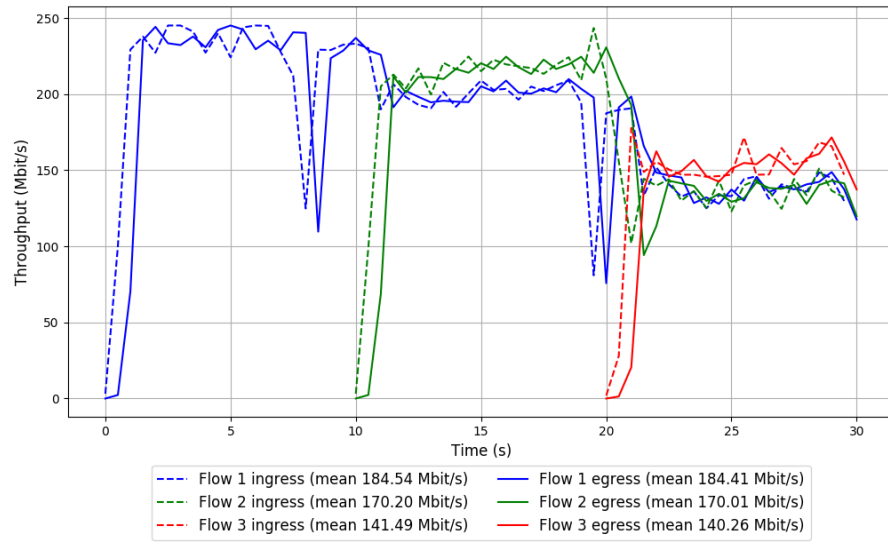


Run 9: Statistics of TCP BBR

Start at: 2018-07-12 19:50:35
End at: 2018-07-12 19:51:05
Local clock offset: -0.063 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-12 21:00:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 343.79 Mbit/s
95th percentile per-packet one-way delay: 123.852 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 184.41 Mbit/s
95th percentile per-packet one-way delay: 120.301 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 170.01 Mbit/s
95th percentile per-packet one-way delay: 123.895 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 140.26 Mbit/s
95th percentile per-packet one-way delay: 128.124 ms
Loss rate: 1.78%

Run 9: Report of TCP BBR — Data Link

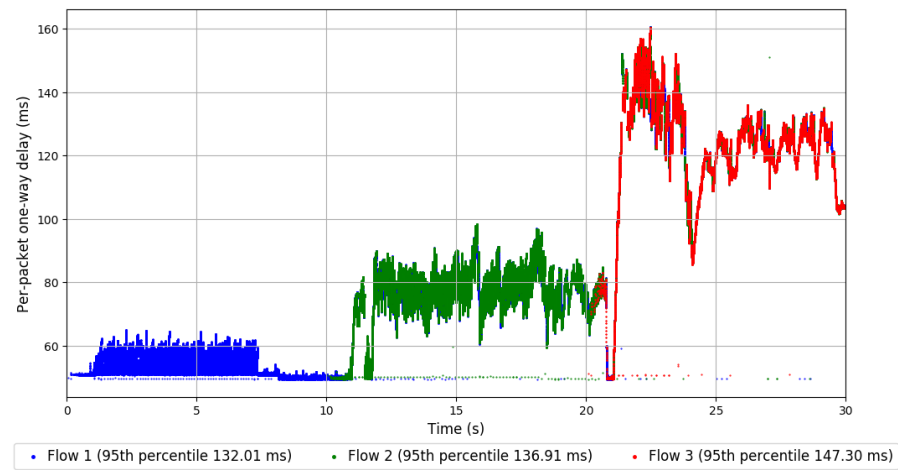
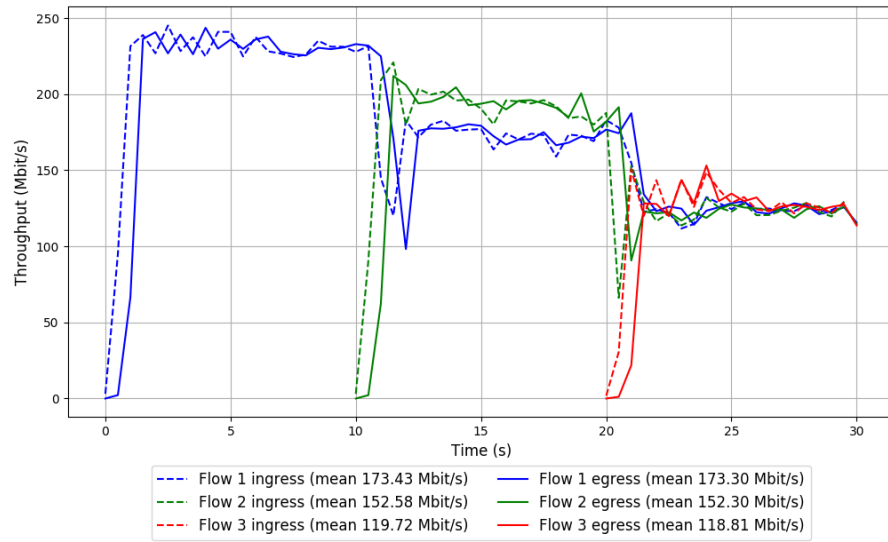


Run 10: Statistics of TCP BBR

Start at: 2018-07-12 20:14:31
End at: 2018-07-12 20:15:01
Local clock offset: -0.088 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-12 21:00:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 313.80 Mbit/s
95th percentile per-packet one-way delay: 136.694 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 173.30 Mbit/s
95th percentile per-packet one-way delay: 132.013 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 152.30 Mbit/s
95th percentile per-packet one-way delay: 136.911 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 118.81 Mbit/s
95th percentile per-packet one-way delay: 147.298 ms
Loss rate: 1.78%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-12 16:54:39

End at: 2018-07-12 16:55:09

Local clock offset: -0.129 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-12 21:00:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 152.77 Mbit/s

95th percentile per-packet one-way delay: 55.989 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 88.42 Mbit/s

95th percentile per-packet one-way delay: 54.961 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 63.73 Mbit/s

95th percentile per-packet one-way delay: 58.955 ms

Loss rate: 0.54%

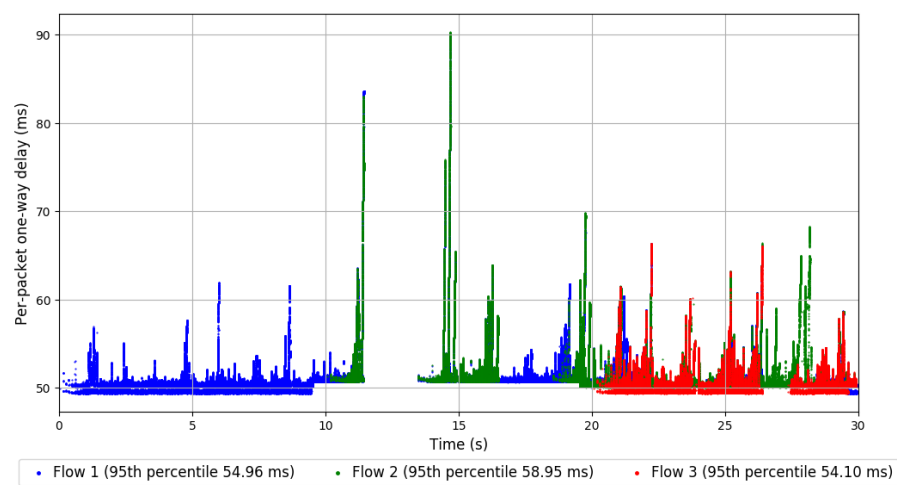
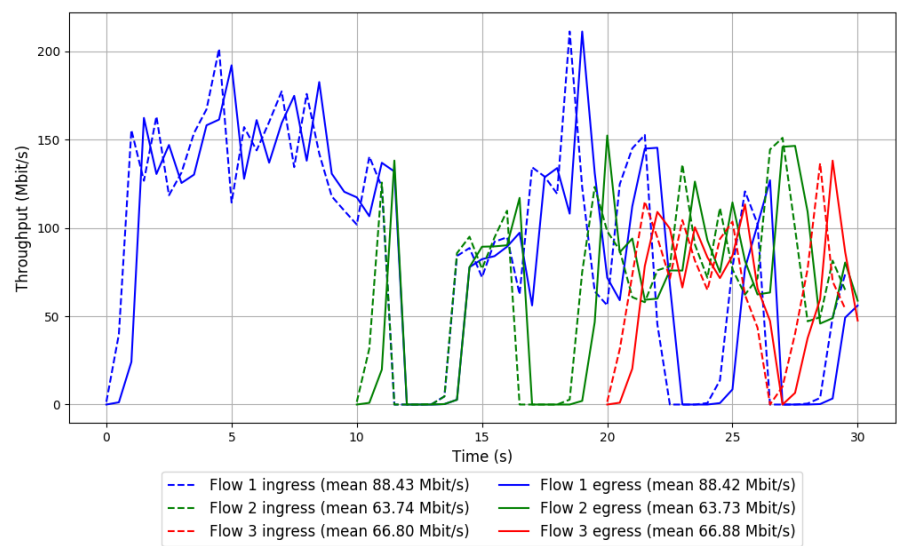
-- Flow 3:

Average throughput: 66.88 Mbit/s

95th percentile per-packet one-way delay: 54.098 ms

Loss rate: 0.88%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-12 17:18:48

End at: 2018-07-12 17:19:18

Local clock offset: -0.149 ms

Remote clock offset: 0.074 ms

Below is generated by plot.py at 2018-07-12 21:00:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 169.73 Mbit/s

95th percentile per-packet one-way delay: 56.020 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 106.02 Mbit/s

95th percentile per-packet one-way delay: 54.540 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 53.46 Mbit/s

95th percentile per-packet one-way delay: 57.959 ms

Loss rate: 0.00%

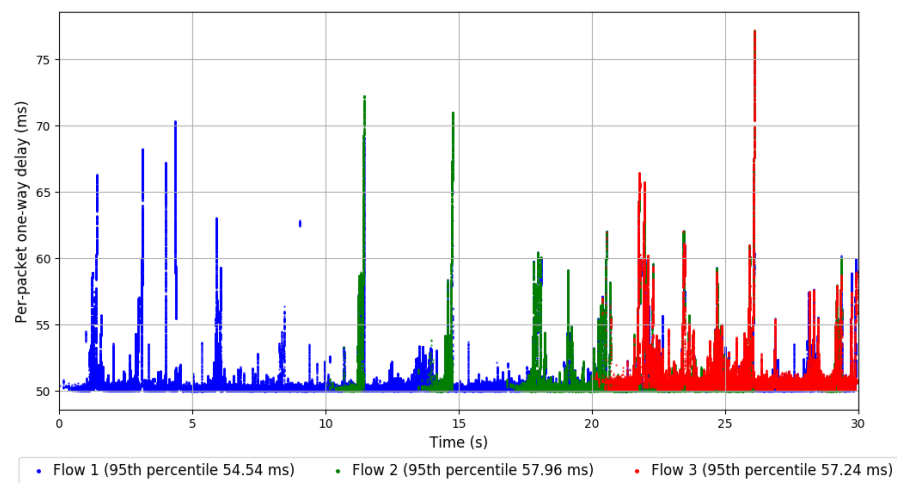
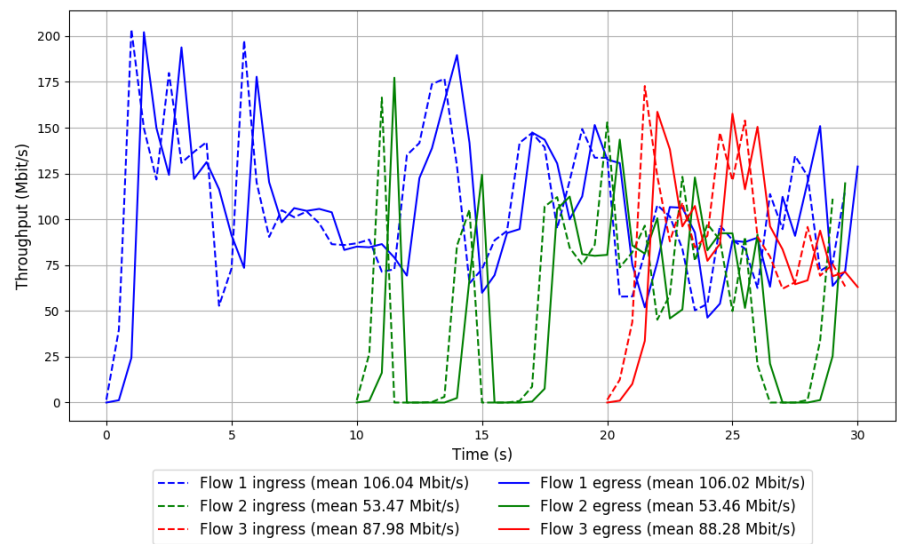
-- Flow 3:

Average throughput: 88.28 Mbit/s

95th percentile per-packet one-way delay: 57.239 ms

Loss rate: 0.53%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-12 17:42:50

End at: 2018-07-12 17:43:20

Local clock offset: 0.163 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-07-12 21:00:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 158.99 Mbit/s

95th percentile per-packet one-way delay: 54.750 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 99.26 Mbit/s

95th percentile per-packet one-way delay: 53.660 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 90.74 Mbit/s

95th percentile per-packet one-way delay: 53.925 ms

Loss rate: 0.00%

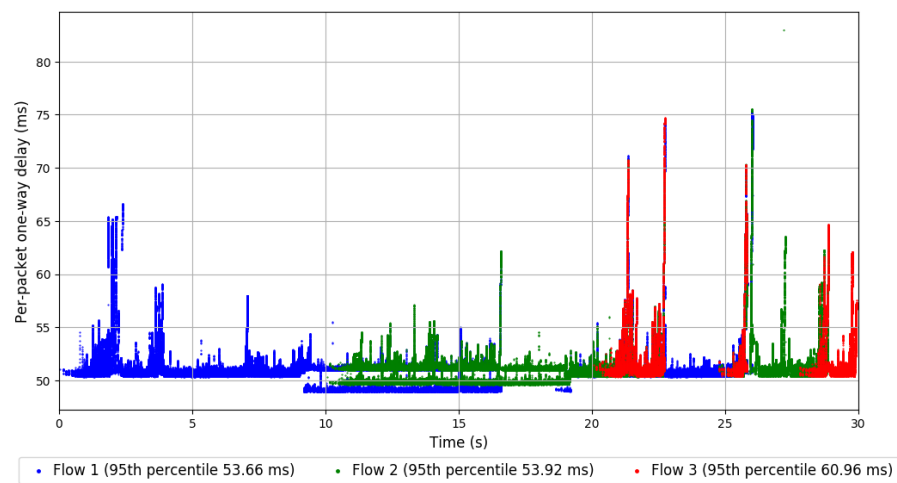
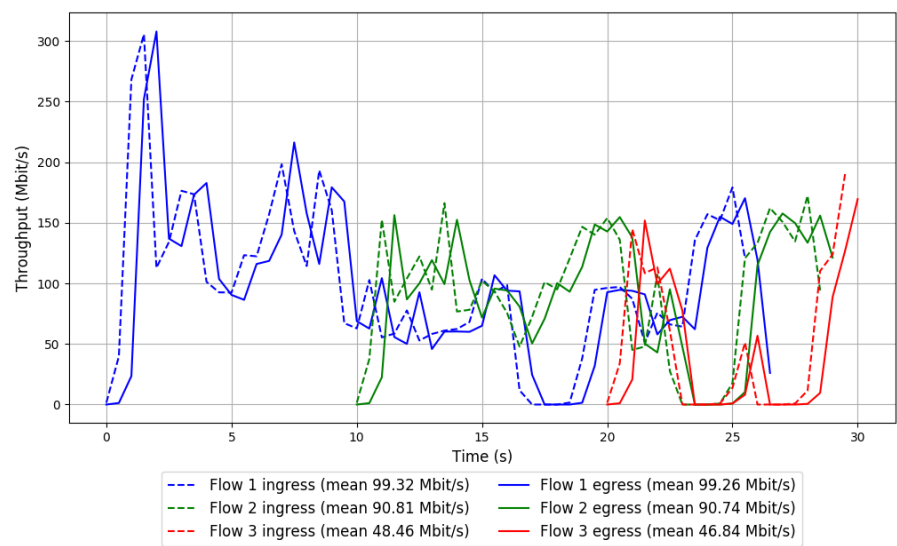
-- Flow 3:

Average throughput: 46.84 Mbit/s

95th percentile per-packet one-way delay: 60.959 ms

Loss rate: 4.32%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-12 18:06:56

End at: 2018-07-12 18:07:26

Local clock offset: 0.198 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-12 21:00:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 163.89 Mbit/s

95th percentile per-packet one-way delay: 57.161 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 118.32 Mbit/s

95th percentile per-packet one-way delay: 57.101 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 59.09 Mbit/s

95th percentile per-packet one-way delay: 57.792 ms

Loss rate: 0.72%

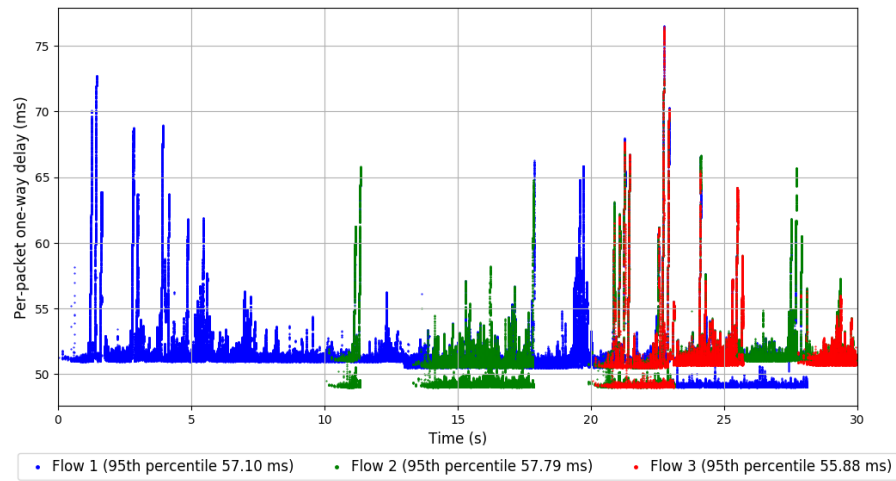
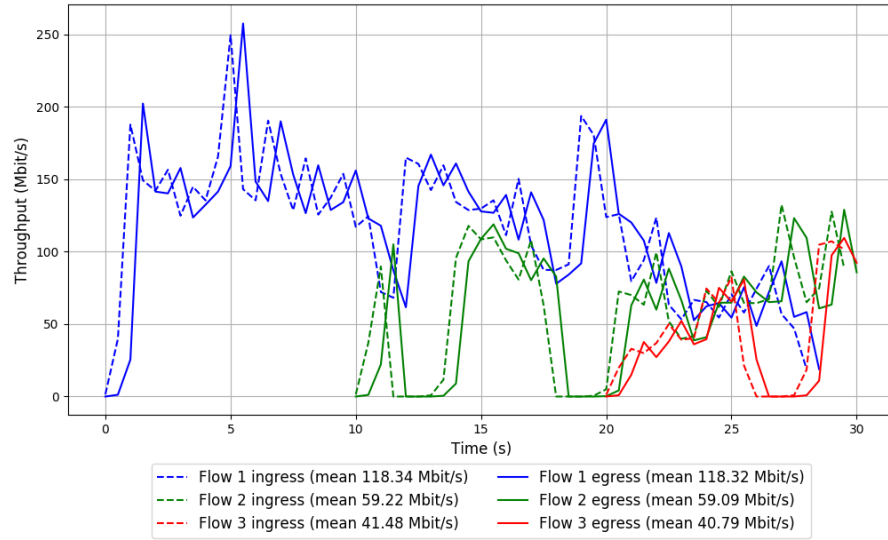
-- Flow 3:

Average throughput: 40.79 Mbit/s

95th percentile per-packet one-way delay: 55.875 ms

Loss rate: 2.63%

Run 4: Report of Copa — Data Link

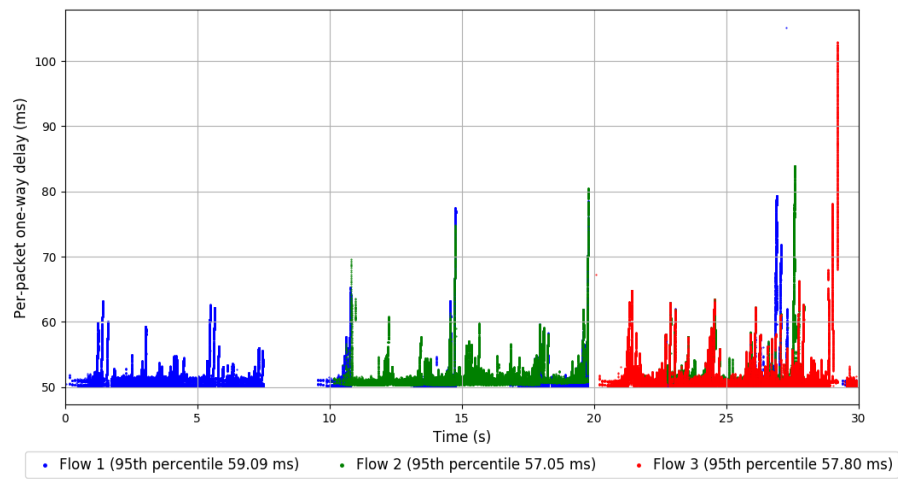
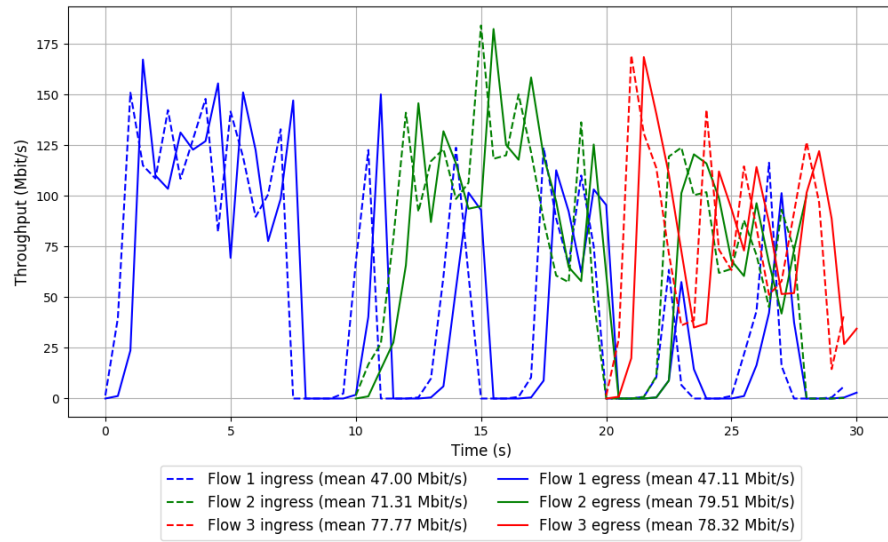


Run 5: Statistics of Copa

Start at: 2018-07-12 18:30:41
End at: 2018-07-12 18:31:11
Local clock offset: -0.133 ms
Remote clock offset: 0.012 ms

```
# Below is generated by plot.py at 2018-07-12 21:00:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 120.46 Mbit/s
95th percentile per-packet one-way delay: 57.925 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 47.11 Mbit/s
95th percentile per-packet one-way delay: 59.085 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 79.51 Mbit/s
95th percentile per-packet one-way delay: 57.048 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 78.32 Mbit/s
95th percentile per-packet one-way delay: 57.804 ms
Loss rate: 0.48%
```

Run 5: Report of Copa — Data Link

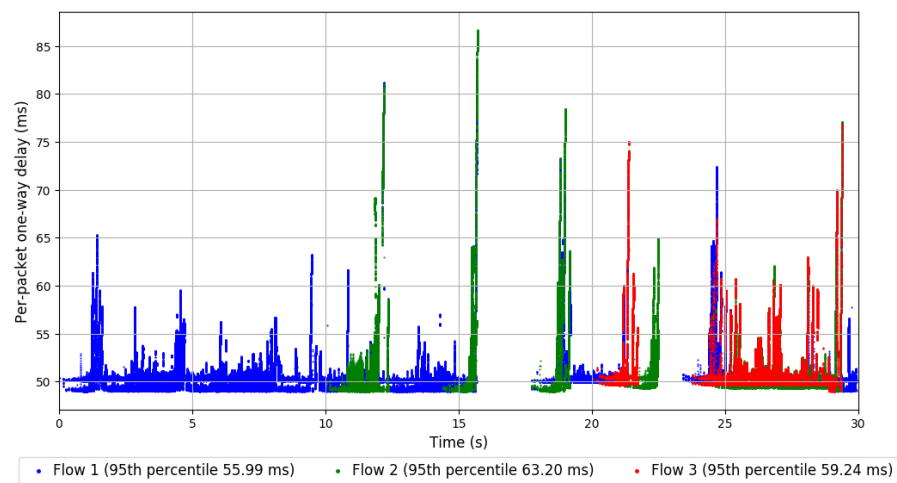
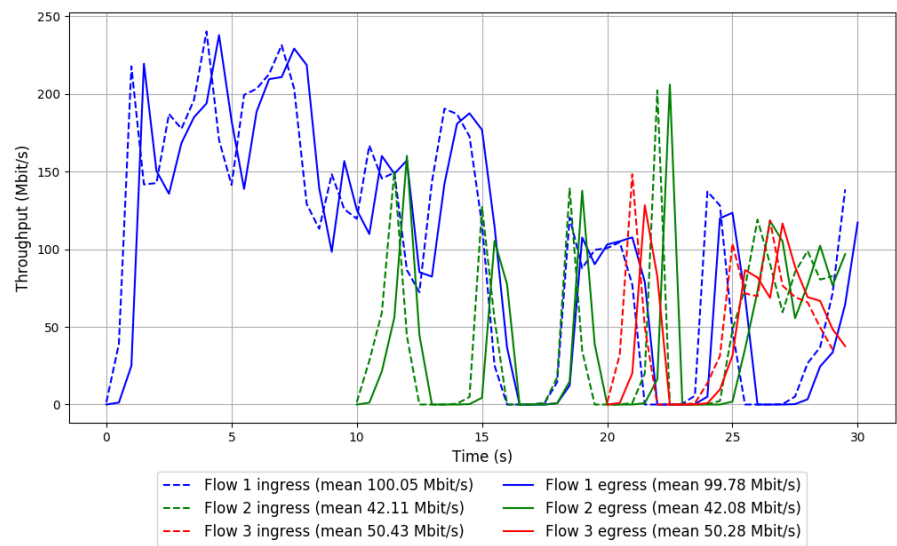


Run 6: Statistics of Copa

Start at: 2018-07-12 18:54:40
End at: 2018-07-12 18:55:10
Local clock offset: -0.501 ms
Remote clock offset: 0.012 ms

```
# Below is generated by plot.py at 2018-07-12 21:00:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 142.71 Mbit/s
95th percentile per-packet one-way delay: 57.749 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 99.78 Mbit/s
95th percentile per-packet one-way delay: 55.986 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 42.08 Mbit/s
95th percentile per-packet one-way delay: 63.199 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 59.241 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-12 19:18:47

End at: 2018-07-12 19:19:17

Local clock offset: -0.137 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-12 21:01:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.13 Mbit/s

95th percentile per-packet one-way delay: 62.198 ms

Loss rate: 1.18%

-- Flow 1:

Average throughput: 45.62 Mbit/s

95th percentile per-packet one-way delay: 61.337 ms

Loss rate: 1.57%

-- Flow 2:

Average throughput: 49.81 Mbit/s

95th percentile per-packet one-way delay: 63.631 ms

Loss rate: 0.00%

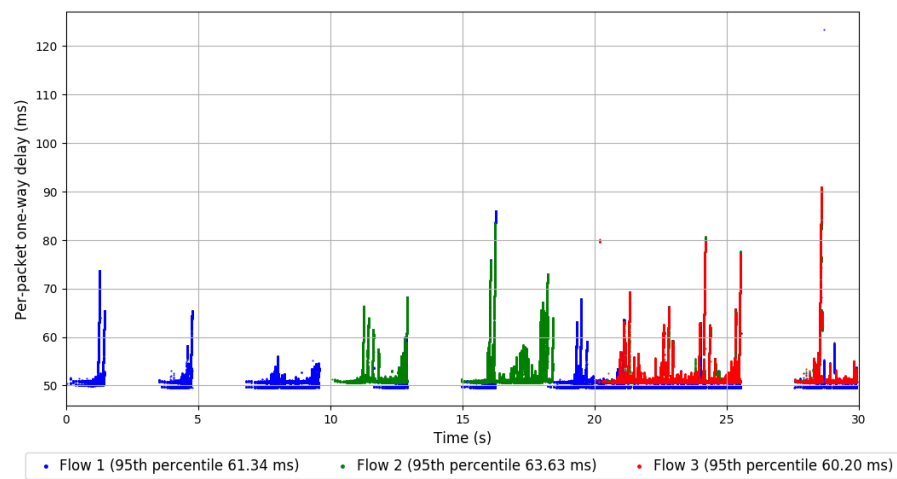
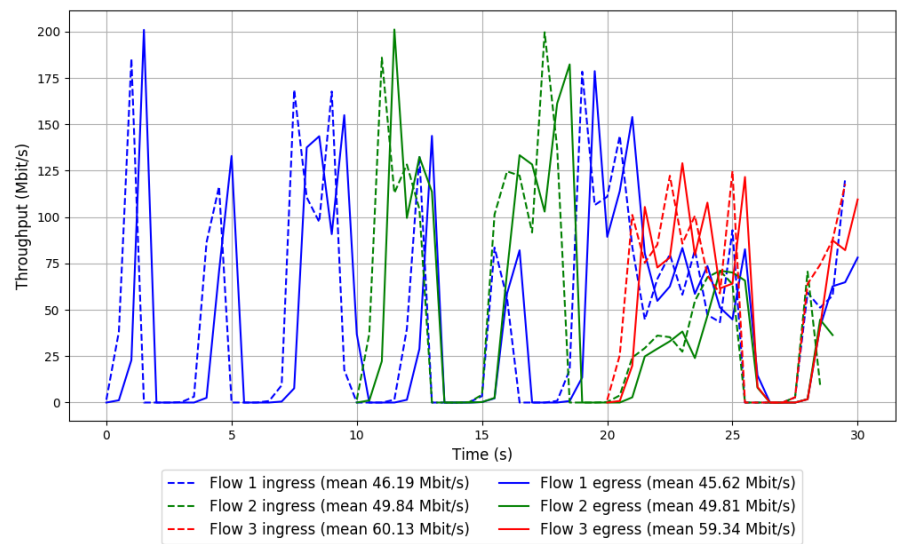
-- Flow 3:

Average throughput: 59.34 Mbit/s

95th percentile per-packet one-way delay: 60.196 ms

Loss rate: 2.08%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-12 19:42:54

End at: 2018-07-12 19:43:24

Local clock offset: -0.116 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-07-12 21:03:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 126.09 Mbit/s

95th percentile per-packet one-way delay: 56.759 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 60.99 Mbit/s

95th percentile per-packet one-way delay: 57.884 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 61.85 Mbit/s

95th percentile per-packet one-way delay: 55.484 ms

Loss rate: 0.64%

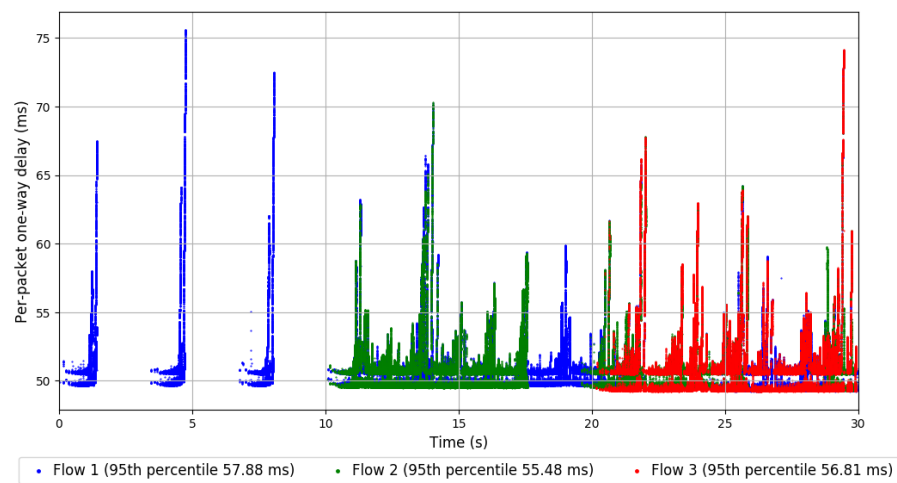
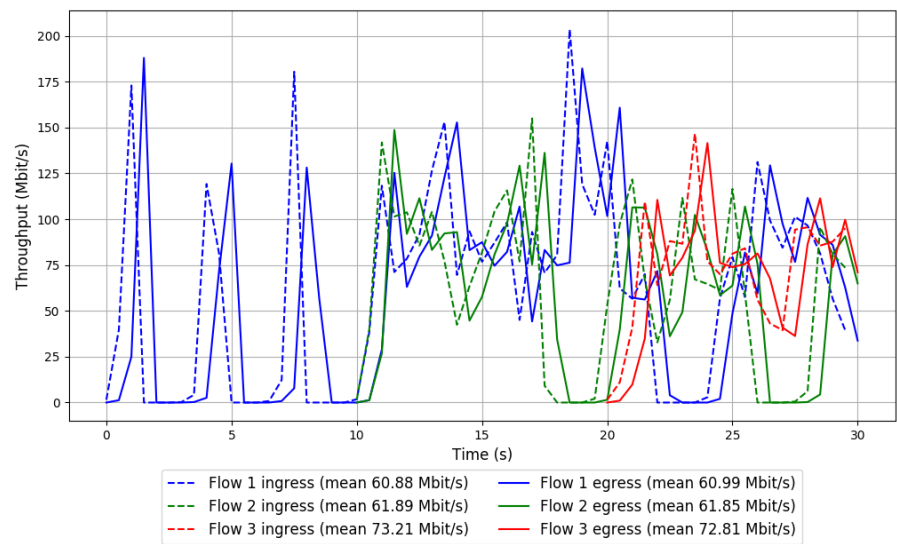
-- Flow 3:

Average throughput: 72.81 Mbit/s

95th percentile per-packet one-way delay: 56.808 ms

Loss rate: 1.65%

Run 8: Report of Copa — Data Link

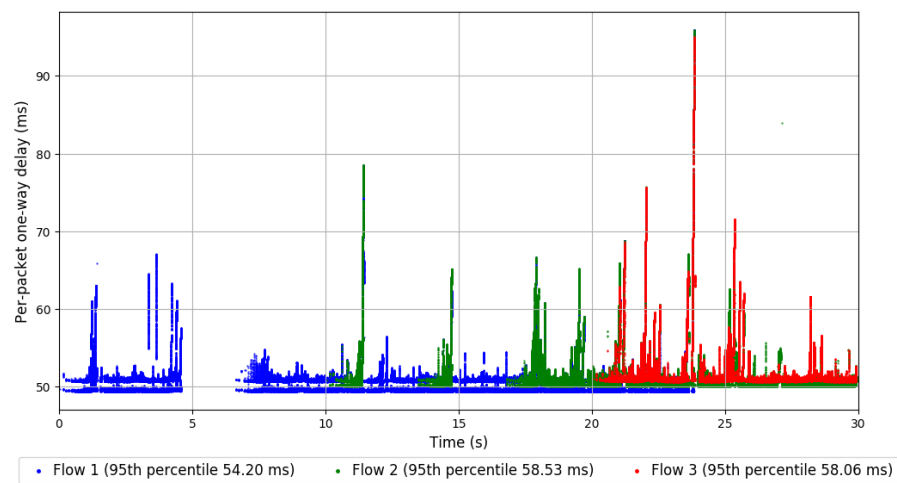
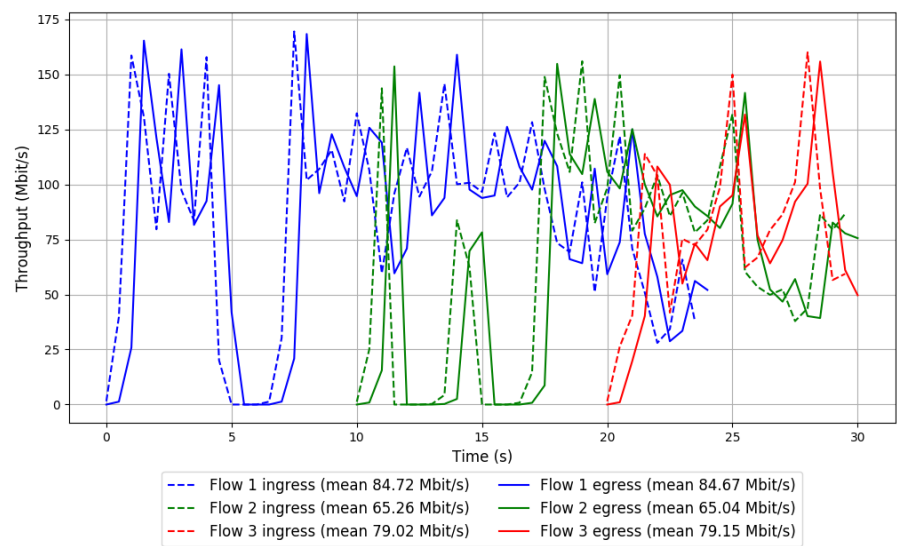


Run 9: Statistics of Copa

Start at: 2018-07-12 20:06:48
End at: 2018-07-12 20:07:18
Local clock offset: -0.091 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-12 21:03:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 136.84 Mbit/s
95th percentile per-packet one-way delay: 56.431 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 84.67 Mbit/s
95th percentile per-packet one-way delay: 54.202 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.04 Mbit/s
95th percentile per-packet one-way delay: 58.528 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 79.15 Mbit/s
95th percentile per-packet one-way delay: 58.061 ms
Loss rate: 0.87%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-12 20:30:51

End at: 2018-07-12 20:31:21

Local clock offset: -0.454 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-12 21:05:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 166.06 Mbit/s

95th percentile per-packet one-way delay: 57.272 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 64.56 Mbit/s

95th percentile per-packet one-way delay: 57.182 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 119.47 Mbit/s

95th percentile per-packet one-way delay: 58.539 ms

Loss rate: 0.68%

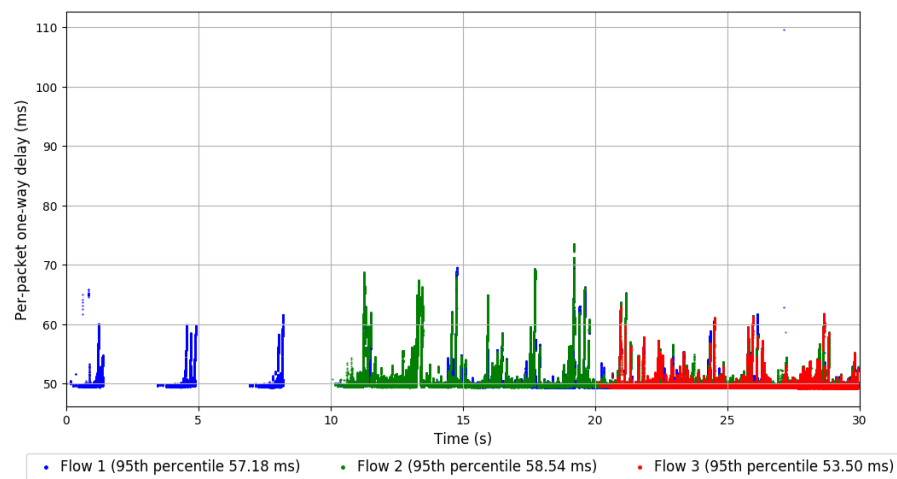
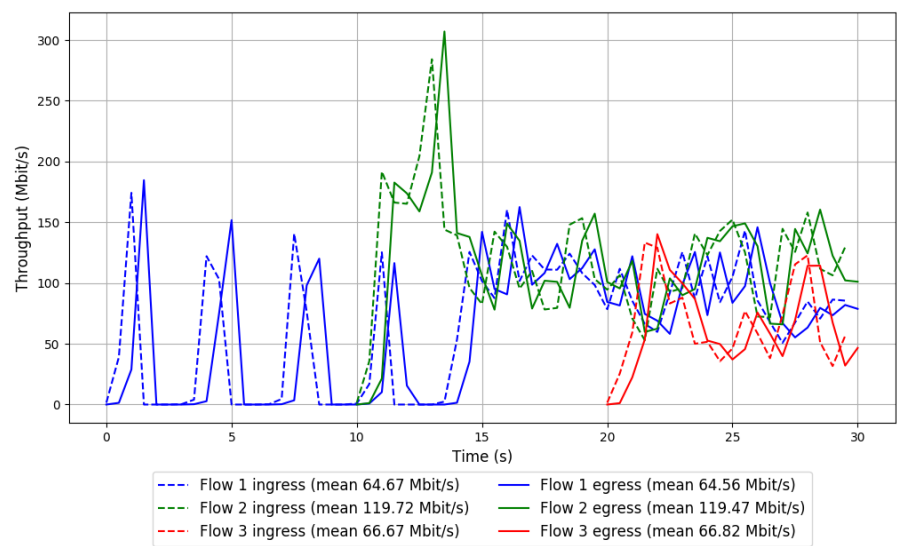
-- Flow 3:

Average throughput: 66.82 Mbit/s

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

Loss rate: 0.78%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-12 16:35:16

End at: 2018-07-12 16:35:46

Local clock offset: -0.201 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-07-12 21:05:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 276.21 Mbit/s

95th percentile per-packet one-way delay: 89.366 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 138.39 Mbit/s

95th percentile per-packet one-way delay: 87.099 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 204.96 Mbit/s

95th percentile per-packet one-way delay: 90.805 ms

Loss rate: 0.64%

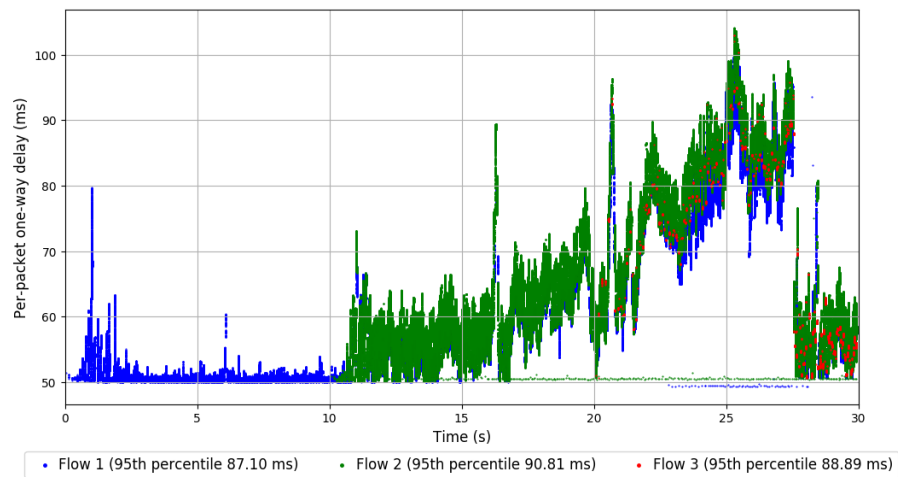
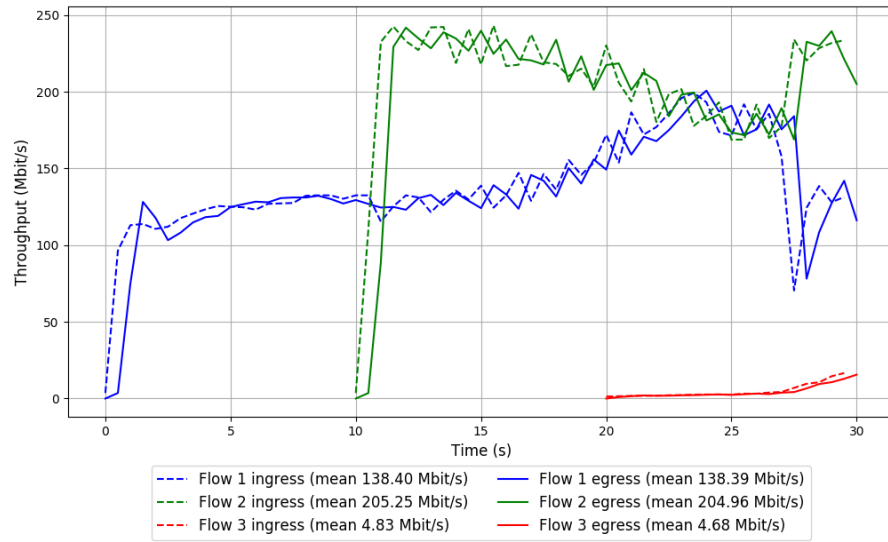
-- Flow 3:

Average throughput: 4.68 Mbit/s

95th percentile per-packet one-way delay: 88.894 ms

Loss rate: 4.02%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-12 16:59:33

End at: 2018-07-12 17:00:03

Local clock offset: -0.167 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-12 21:05:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 312.48 Mbit/s

95th percentile per-packet one-way delay: 91.759 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 173.94 Mbit/s

95th percentile per-packet one-way delay: 86.912 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 134.32 Mbit/s

95th percentile per-packet one-way delay: 92.043 ms

Loss rate: 0.78%

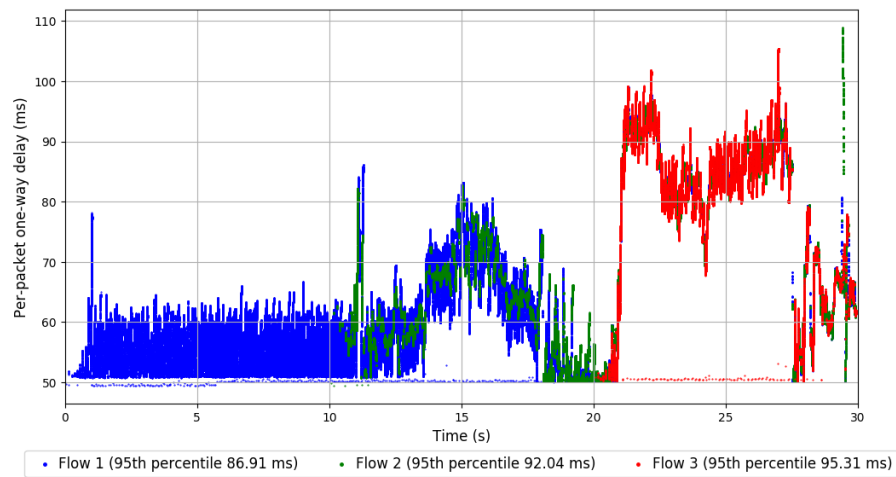
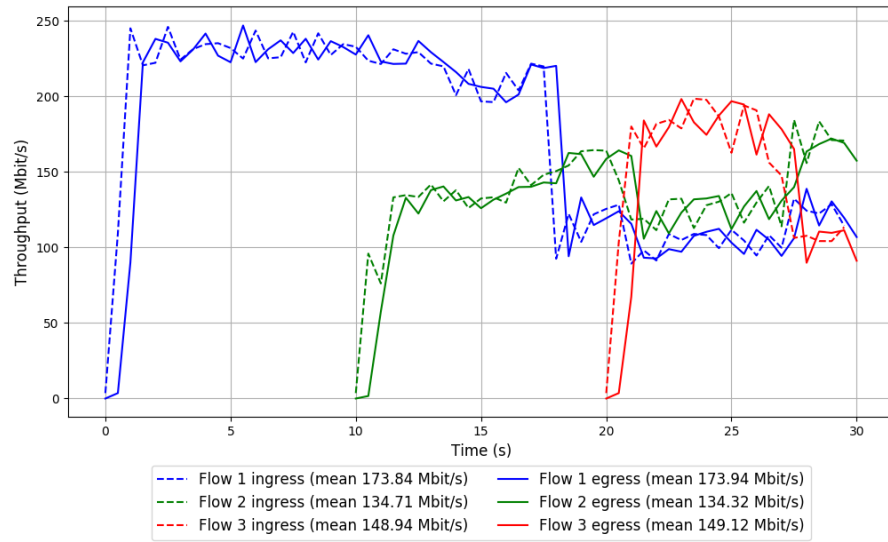
-- Flow 3:

Average throughput: 149.12 Mbit/s

95th percentile per-packet one-way delay: 95.315 ms

Loss rate: 0.88%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-12 17:23:43

End at: 2018-07-12 17:24:13

Local clock offset: -0.515 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-12 21:05:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 260.72 Mbit/s

95th percentile per-packet one-way delay: 70.837 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 167.34 Mbit/s

95th percentile per-packet one-way delay: 71.340 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 138.21 Mbit/s

95th percentile per-packet one-way delay: 70.144 ms

Loss rate: 0.73%

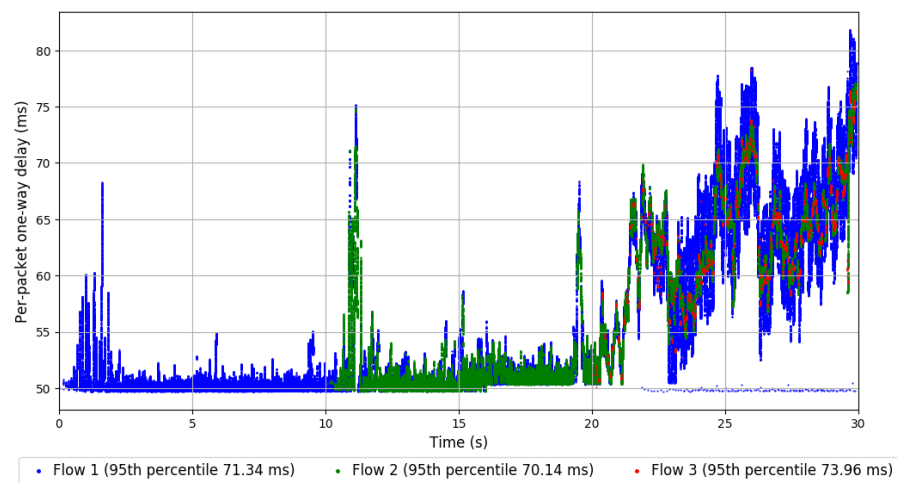
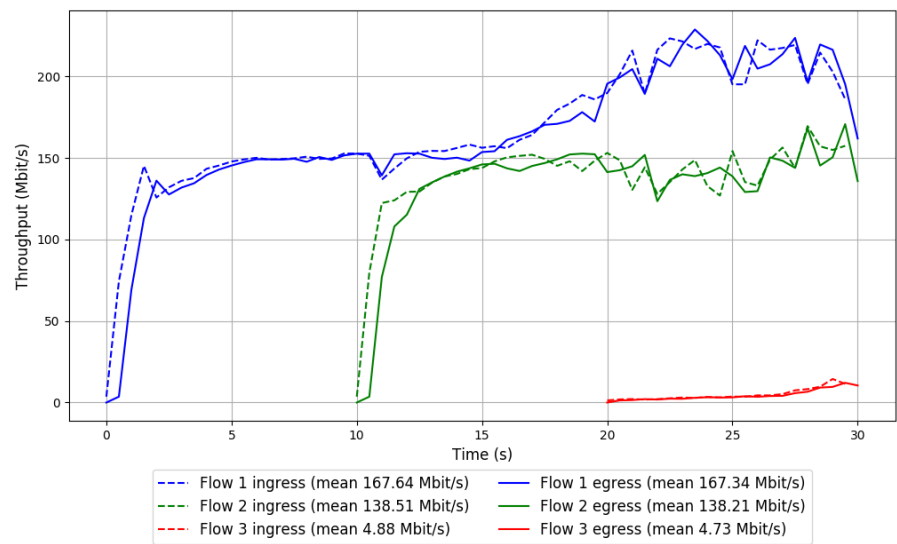
-- Flow 3:

Average throughput: 4.73 Mbit/s

95th percentile per-packet one-way delay: 73.960 ms

Loss rate: 3.99%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-12 17:47:44

End at: 2018-07-12 17:48:14

Local clock offset: -0.185 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-12 21:05:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 269.45 Mbit/s

95th percentile per-packet one-way delay: 73.904 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 162.68 Mbit/s

95th percentile per-packet one-way delay: 73.885 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 159.40 Mbit/s

95th percentile per-packet one-way delay: 73.904 ms

Loss rate: 0.42%

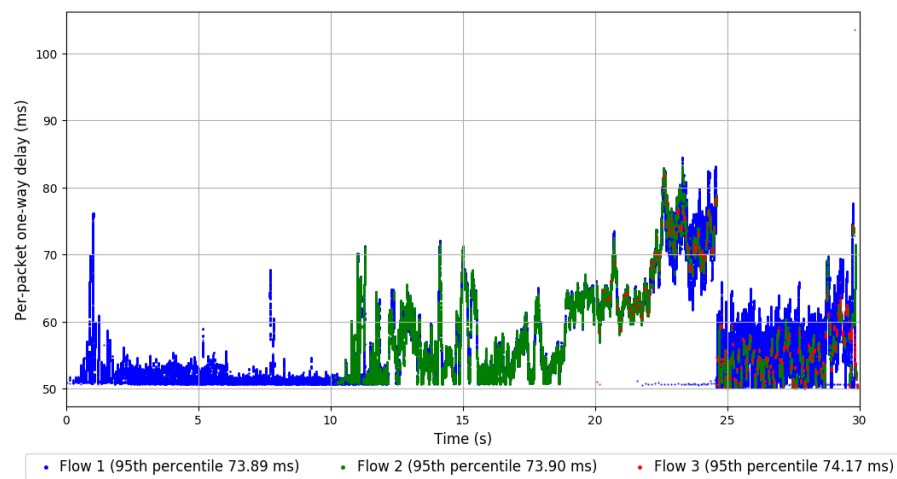
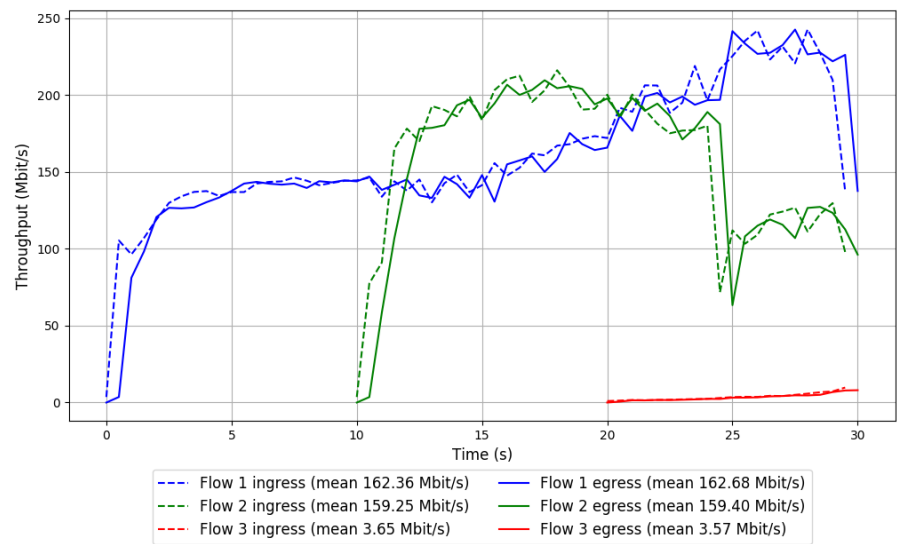
-- Flow 3:

Average throughput: 3.57 Mbit/s

95th percentile per-packet one-way delay: 74.168 ms

Loss rate: 3.20%

Run 4: Report of TCP Cubic — Data Link

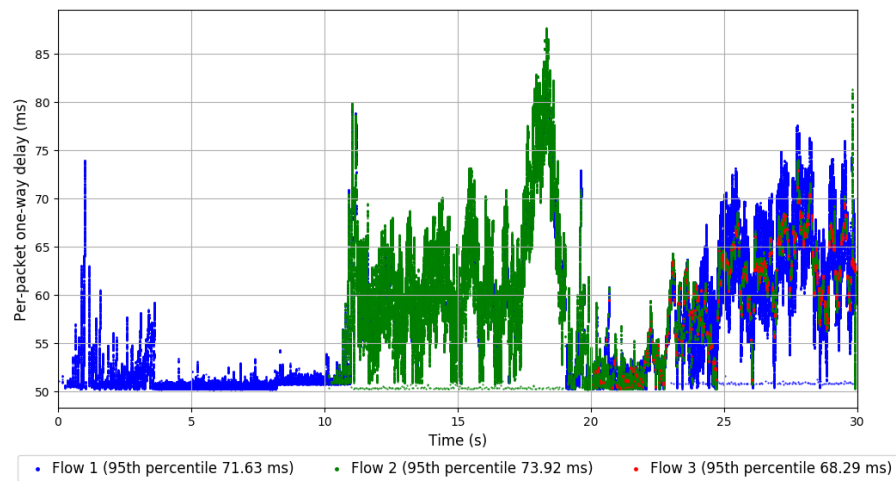
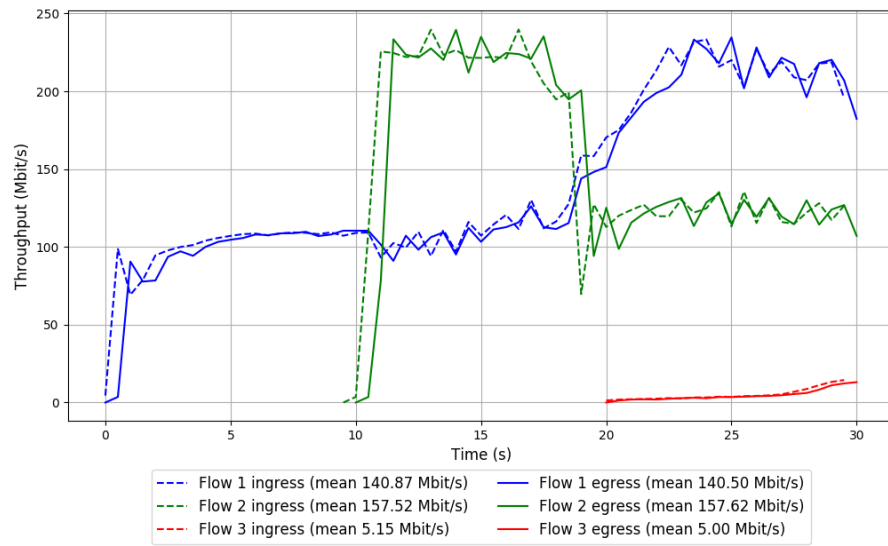


Run 5: Statistics of TCP Cubic

Start at: 2018-07-12 18:11:51
End at: 2018-07-12 18:12:21
Local clock offset: -0.115 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-12 21:06:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 246.86 Mbit/s
95th percentile per-packet one-way delay: 72.346 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 140.50 Mbit/s
95th percentile per-packet one-way delay: 71.634 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 157.62 Mbit/s
95th percentile per-packet one-way delay: 73.917 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 5.00 Mbit/s
95th percentile per-packet one-way delay: 68.287 ms
Loss rate: 3.82%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-12 18:35:32

End at: 2018-07-12 18:36:02

Local clock offset: -0.142 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-12 21:07:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 248.69 Mbit/s

95th percentile per-packet one-way delay: 65.361 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 214.28 Mbit/s

95th percentile per-packet one-way delay: 64.955 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 49.27 Mbit/s

95th percentile per-packet one-way delay: 67.126 ms

Loss rate: 2.38%

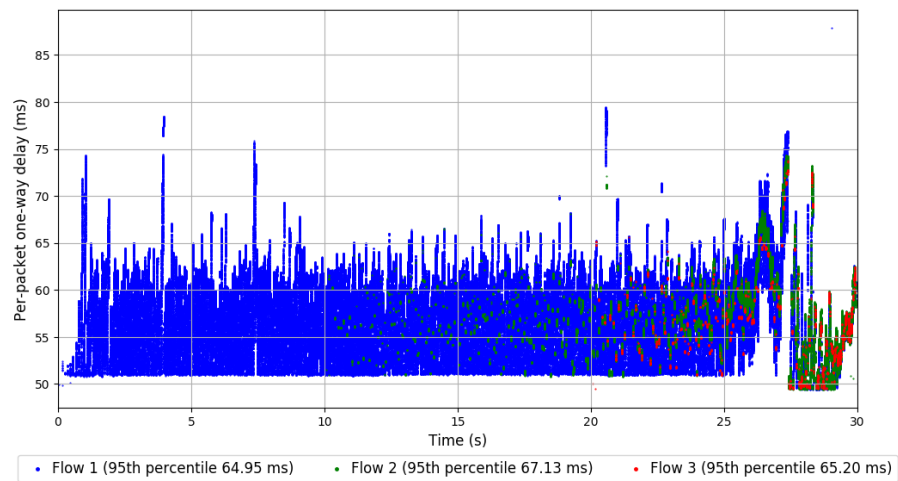
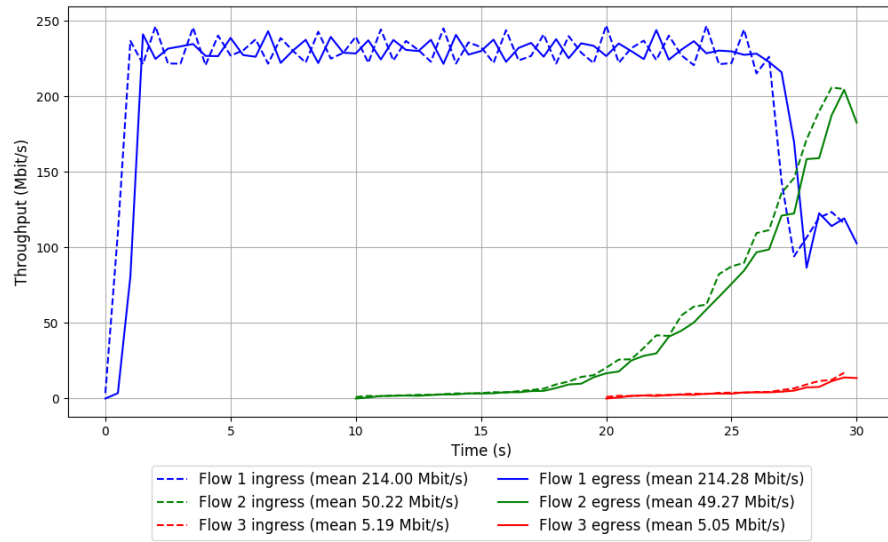
-- Flow 3:

Average throughput: 5.05 Mbit/s

95th percentile per-packet one-way delay: 65.203 ms

Loss rate: 3.72%

Run 6: Report of TCP Cubic — Data Link

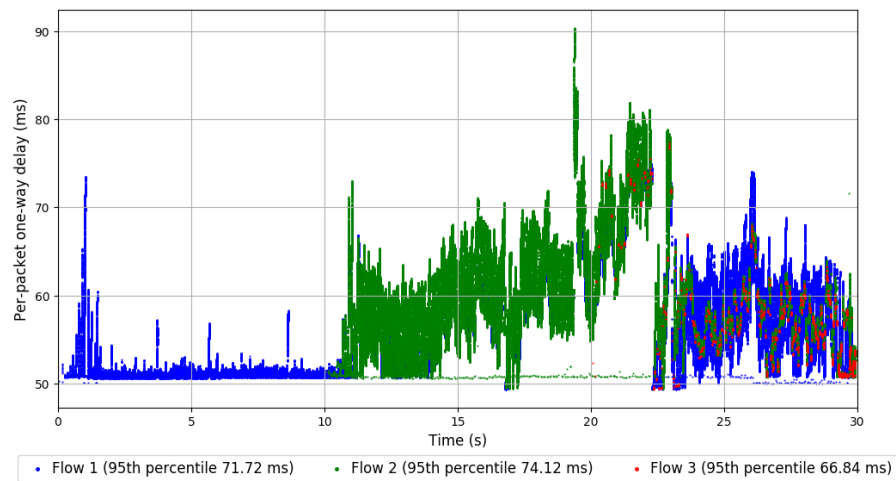
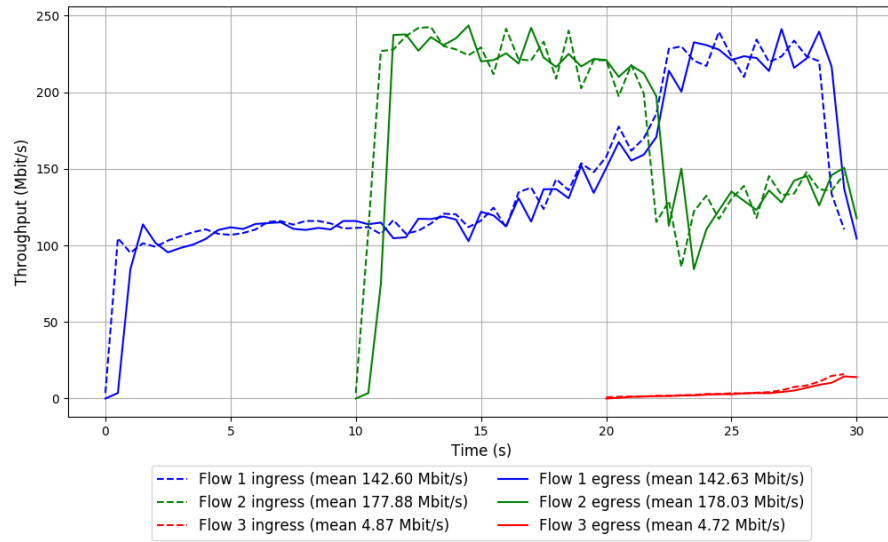


Run 7: Statistics of TCP Cubic

Start at: 2018-07-12 18:59:33
End at: 2018-07-12 19:00:03
Local clock offset: -0.165 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-12 21:08:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 262.54 Mbit/s
95th percentile per-packet one-way delay: 72.832 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 142.63 Mbit/s
95th percentile per-packet one-way delay: 71.717 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 178.03 Mbit/s
95th percentile per-packet one-way delay: 74.117 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 4.72 Mbit/s
95th percentile per-packet one-way delay: 66.845 ms
Loss rate: 4.11%

Run 7: Report of TCP Cubic — Data Link

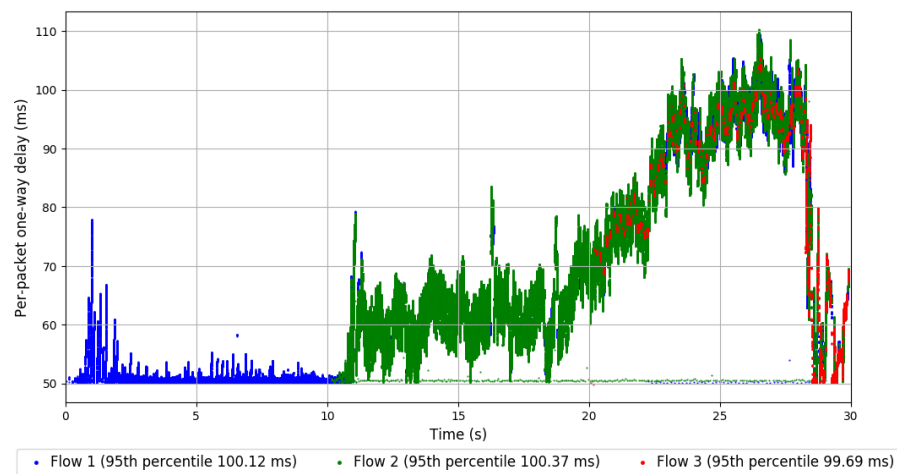
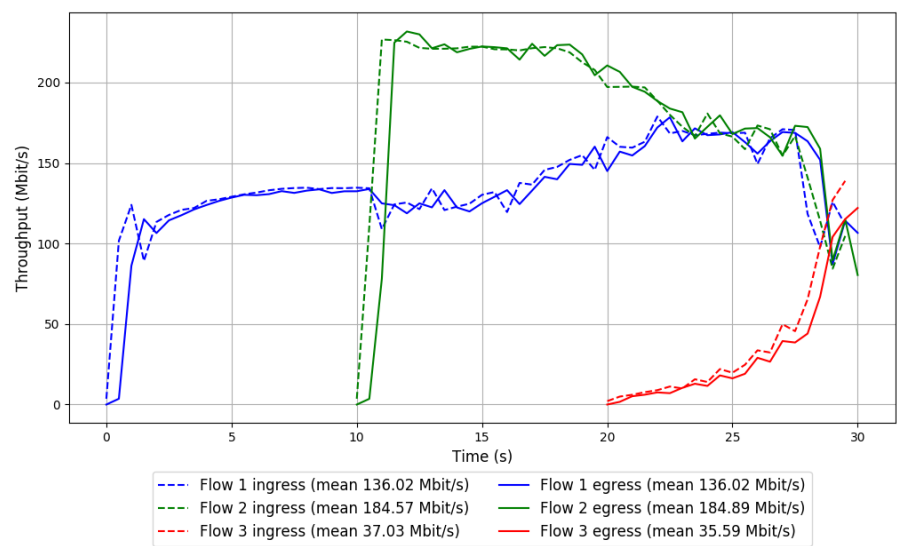


Run 8: Statistics of TCP Cubic

Start at: 2018-07-12 19:23:36
End at: 2018-07-12 19:24:06
Local clock offset: -0.128 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-12 21:09:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 270.59 Mbit/s
95th percentile per-packet one-way delay: 100.191 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 136.02 Mbit/s
95th percentile per-packet one-way delay: 100.123 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 184.89 Mbit/s
95th percentile per-packet one-way delay: 100.374 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 35.59 Mbit/s
95th percentile per-packet one-way delay: 99.693 ms
Loss rate: 4.88%

Run 8: Report of TCP Cubic — Data Link

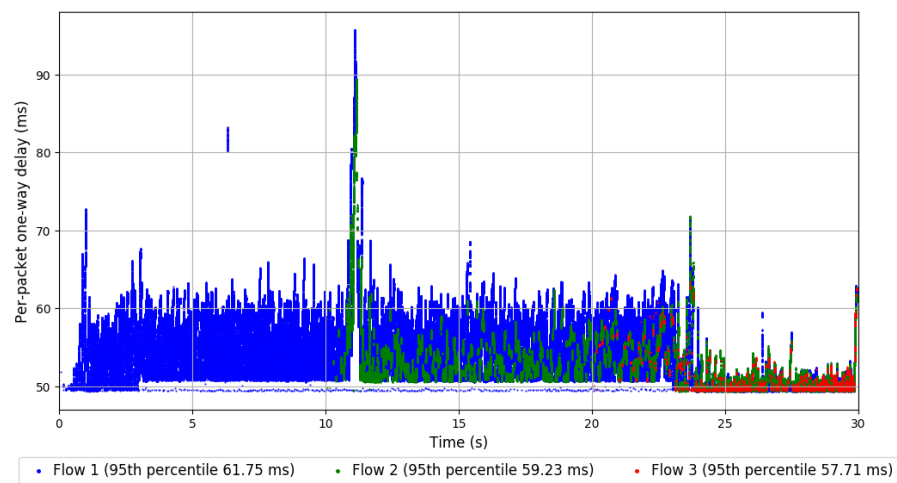
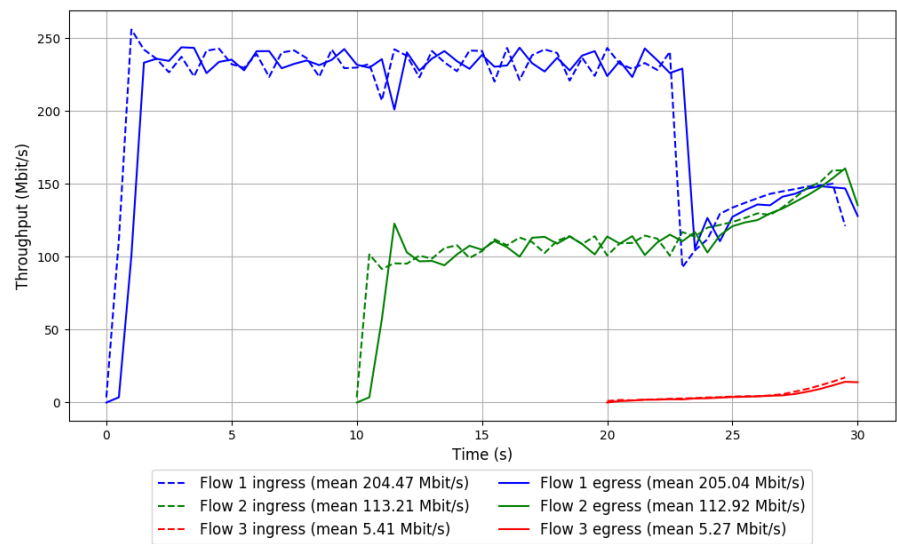


Run 9: Statistics of TCP Cubic

Start at: 2018-07-12 19:47:46
End at: 2018-07-12 19:48:16
Local clock offset: -0.109 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-12 21:09:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 281.85 Mbit/s
95th percentile per-packet one-way delay: 61.456 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 205.04 Mbit/s
95th percentile per-packet one-way delay: 61.753 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 112.92 Mbit/s
95th percentile per-packet one-way delay: 59.226 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 5.27 Mbit/s
95th percentile per-packet one-way delay: 57.714 ms
Loss rate: 3.58%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-12 20:11:40

End at: 2018-07-12 20:12:10

Local clock offset: -0.415 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-12 21:09:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 288.47 Mbit/s

95th percentile per-packet one-way delay: 112.039 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 151.37 Mbit/s

95th percentile per-packet one-way delay: 109.133 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 167.84 Mbit/s

95th percentile per-packet one-way delay: 113.385 ms

Loss rate: 0.39%

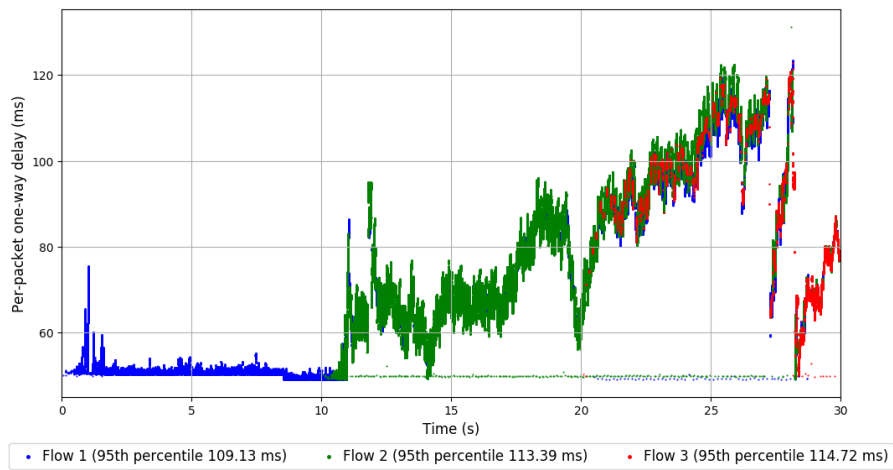
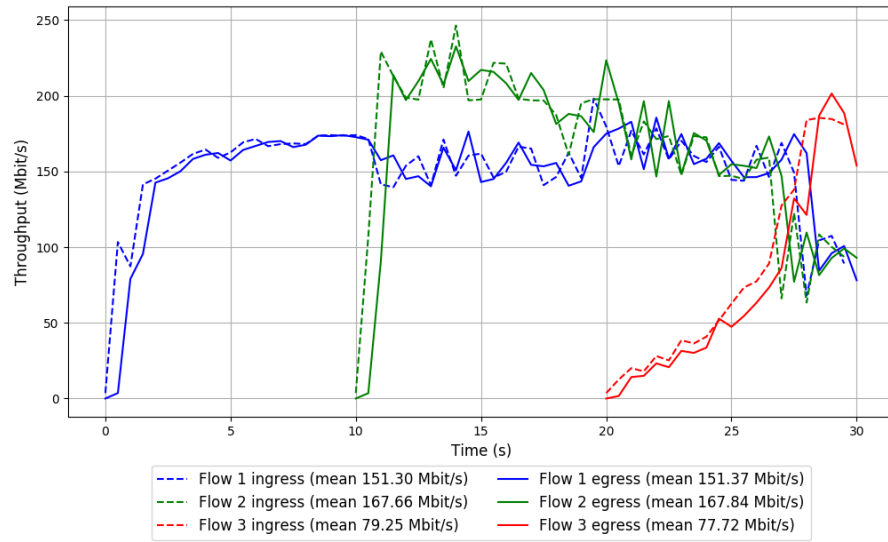
-- Flow 3:

Average throughput: 77.72 Mbit/s

95th percentile per-packet one-way delay: 114.724 ms

Loss rate: 2.92%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-12 16:45:24

End at: 2018-07-12 16:45:54

Local clock offset: -0.157 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-07-12 21:26:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 1090.00 Mbit/s

95th percentile per-packet one-way delay: 235.821 ms

Loss rate: 1.13%

-- Flow 1:

Average throughput: 558.57 Mbit/s

95th percentile per-packet one-way delay: 237.395 ms

Loss rate: 0.99%

-- Flow 2:

Average throughput: 493.92 Mbit/s

95th percentile per-packet one-way delay: 237.194 ms

Loss rate: 0.54%

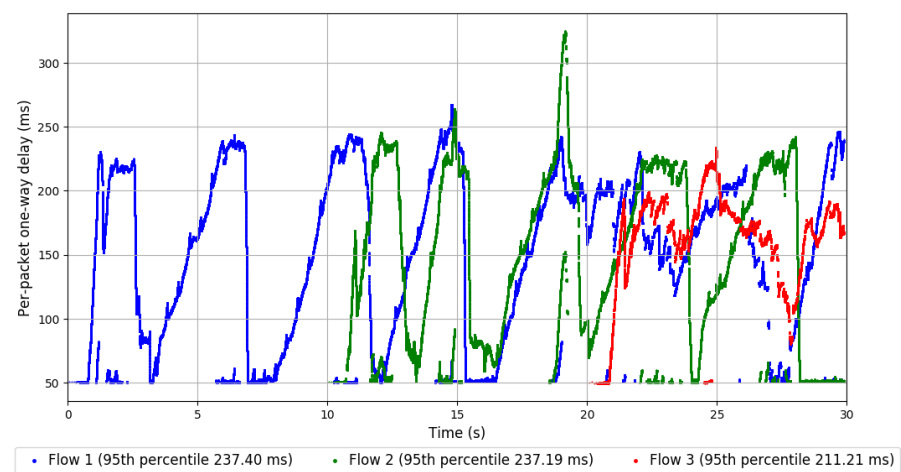
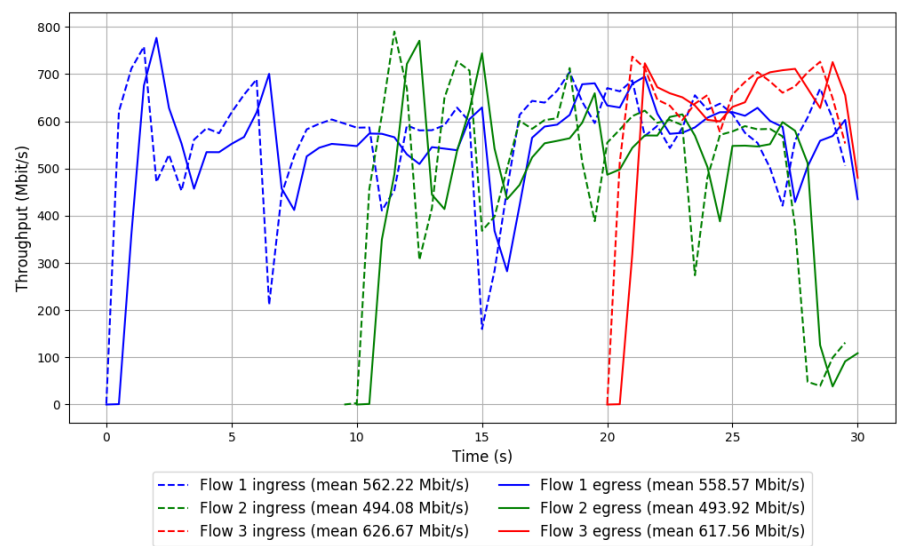
-- Flow 3:

Average throughput: 617.56 Mbit/s

95th percentile per-packet one-way delay: 211.206 ms

Loss rate: 2.46%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-12 17:09:31

End at: 2018-07-12 17:10:01

Local clock offset: -0.164 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-07-12 21:28:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 1127.04 Mbit/s

95th percentile per-packet one-way delay: 237.920 ms

Loss rate: 1.02%

-- Flow 1:

Average throughput: 486.05 Mbit/s

95th percentile per-packet one-way delay: 247.249 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 670.14 Mbit/s

95th percentile per-packet one-way delay: 226.119 ms

Loss rate: 0.82%

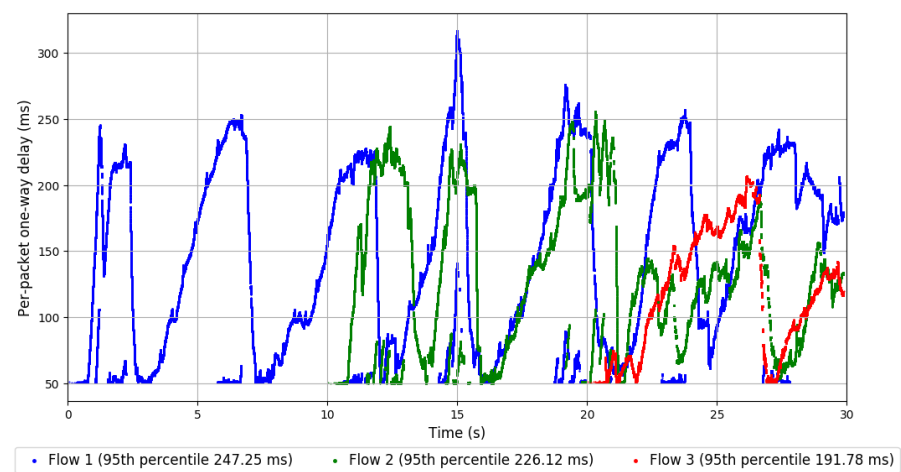
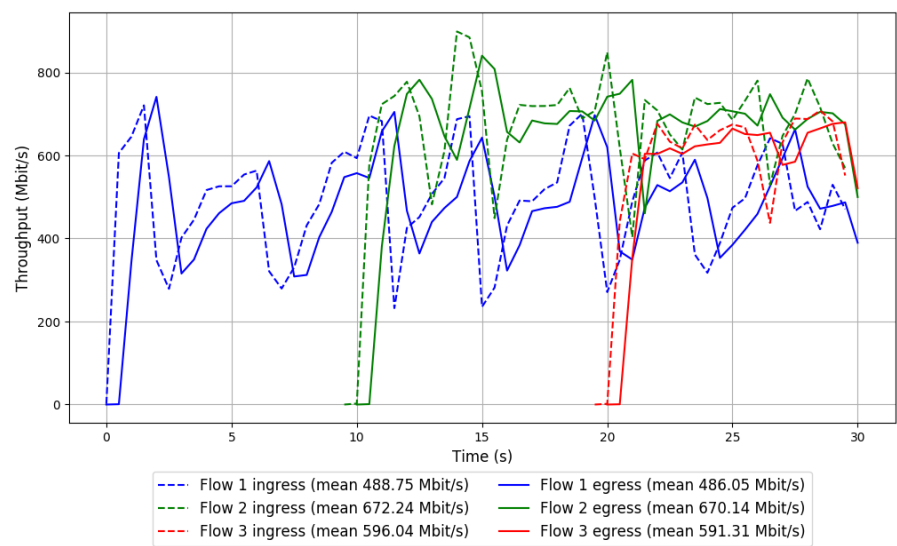
-- Flow 3:

Average throughput: 591.31 Mbit/s

95th percentile per-packet one-way delay: 191.782 ms

Loss rate: 1.80%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-12 17:33:29

End at: 2018-07-12 17:33:59

Local clock offset: -0.125 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-12 21:29:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 1135.37 Mbit/s

95th percentile per-packet one-way delay: 240.447 ms

Loss rate: 1.40%

-- Flow 1:

Average throughput: 545.49 Mbit/s

95th percentile per-packet one-way delay: 250.421 ms

Loss rate: 1.50%

-- Flow 2:

Average throughput: 607.67 Mbit/s

95th percentile per-packet one-way delay: 238.084 ms

Loss rate: 1.02%

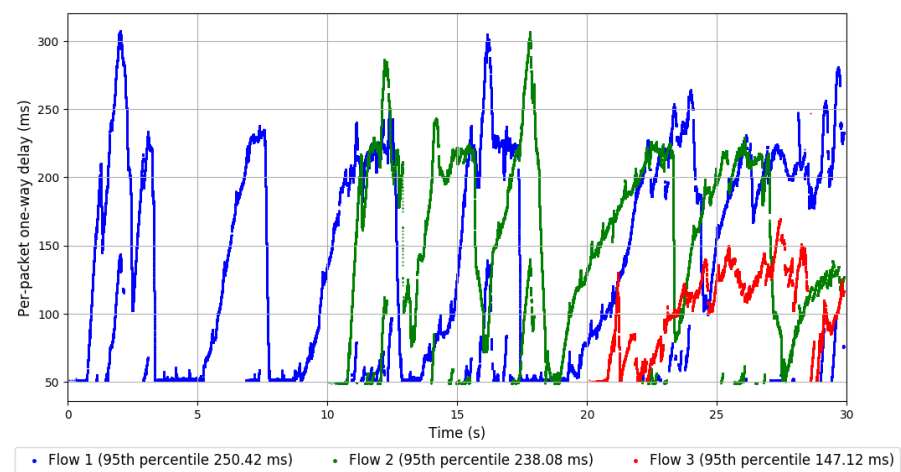
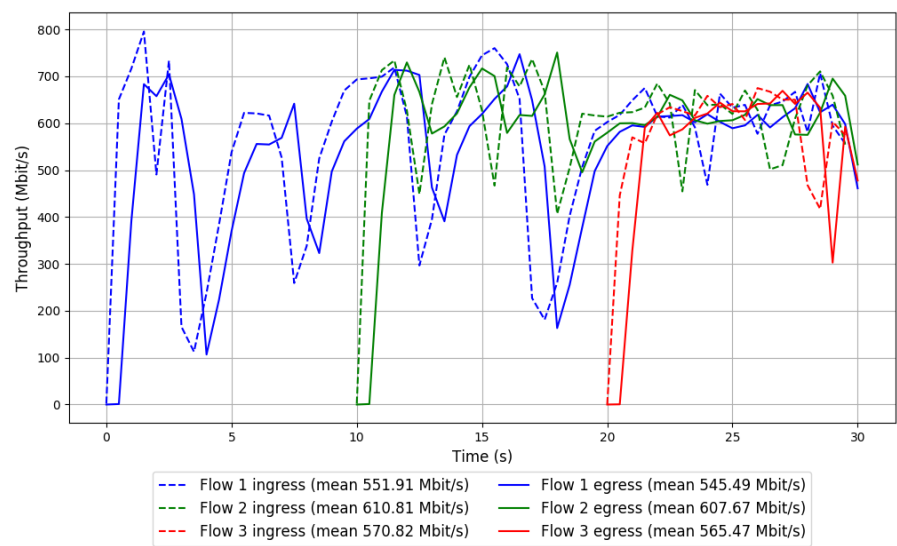
-- Flow 3:

Average throughput: 565.47 Mbit/s

95th percentile per-packet one-way delay: 147.124 ms

Loss rate: 1.97%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-12 17:57:40

End at: 2018-07-12 17:58:10

Local clock offset: -0.576 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-07-12 21:30:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 1141.78 Mbit/s

95th percentile per-packet one-way delay: 245.469 ms

Loss rate: 1.26%

-- Flow 1:

Average throughput: 545.86 Mbit/s

95th percentile per-packet one-way delay: 260.132 ms

Loss rate: 1.03%

-- Flow 2:

Average throughput: 626.84 Mbit/s

95th percentile per-packet one-way delay: 222.602 ms

Loss rate: 0.71%

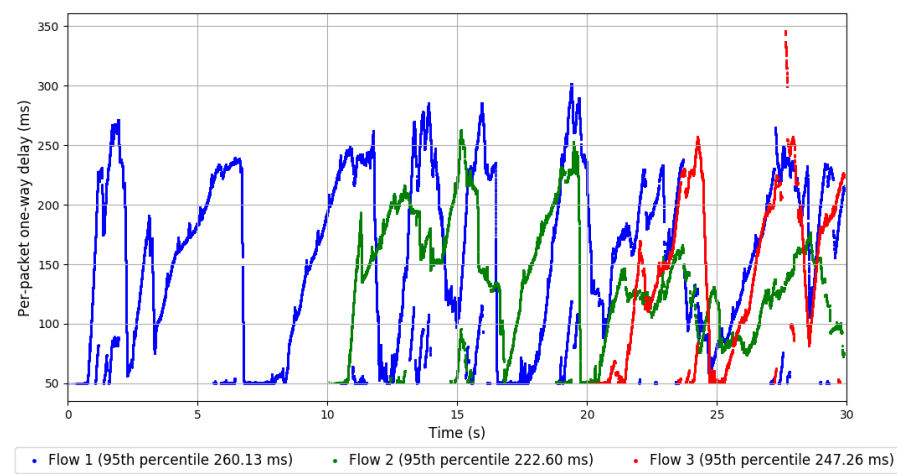
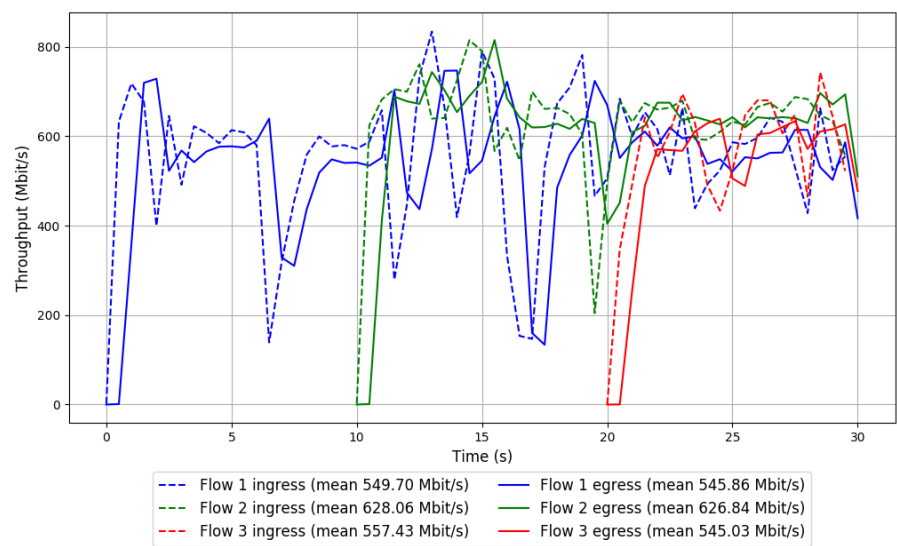
-- Flow 3:

Average throughput: 545.03 Mbit/s

95th percentile per-packet one-way delay: 247.265 ms

Loss rate: 3.23%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-12 18:21:39

End at: 2018-07-12 18:22:09

Local clock offset: 0.196 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-12 21:31:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 1132.61 Mbit/s

95th percentile per-packet one-way delay: 233.468 ms

Loss rate: 1.01%

-- Flow 1:

Average throughput: 530.45 Mbit/s

95th percentile per-packet one-way delay: 236.379 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 632.77 Mbit/s

95th percentile per-packet one-way delay: 223.119 ms

Loss rate: 1.10%

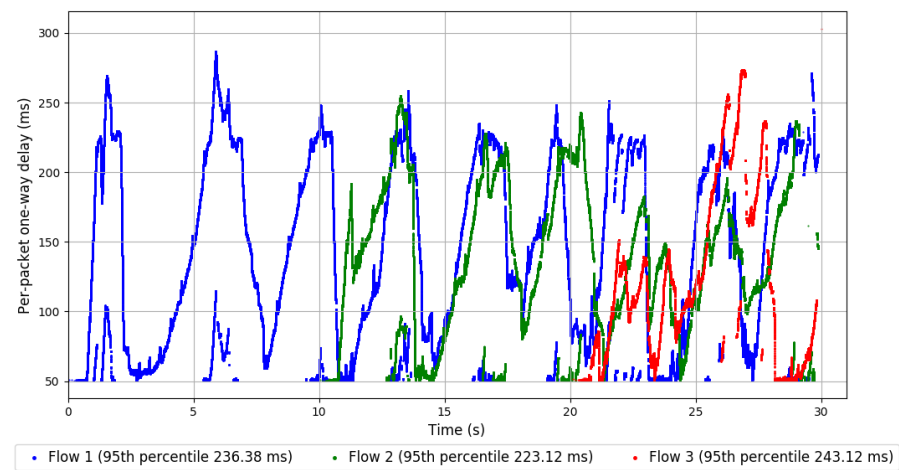
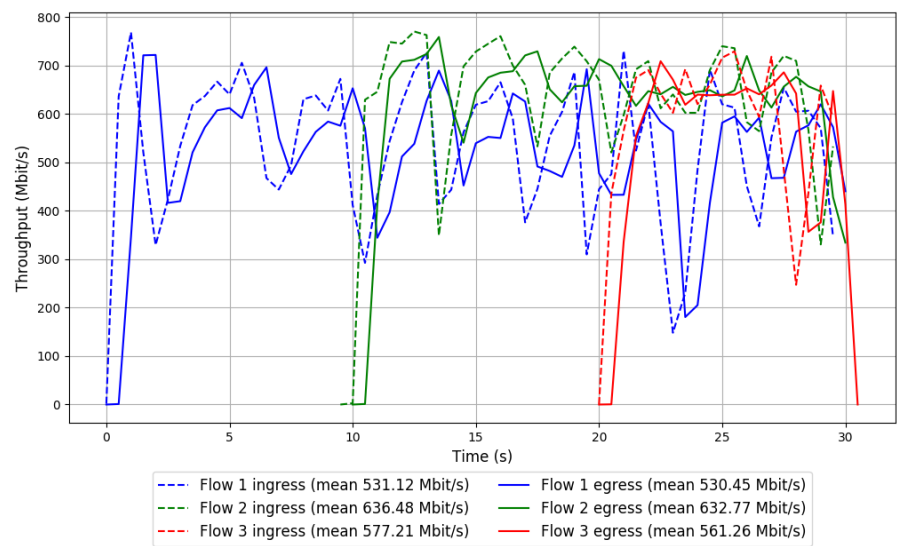
-- Flow 3:

Average throughput: 561.26 Mbit/s

95th percentile per-packet one-way delay: 243.115 ms

Loss rate: 2.37%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-12 18:45:21

End at: 2018-07-12 18:45:51

Local clock offset: -0.525 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-12 21:34:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 1234.71 Mbit/s

95th percentile per-packet one-way delay: 229.804 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 646.96 Mbit/s

95th percentile per-packet one-way delay: 225.781 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 621.89 Mbit/s

95th percentile per-packet one-way delay: 234.073 ms

Loss rate: 0.51%

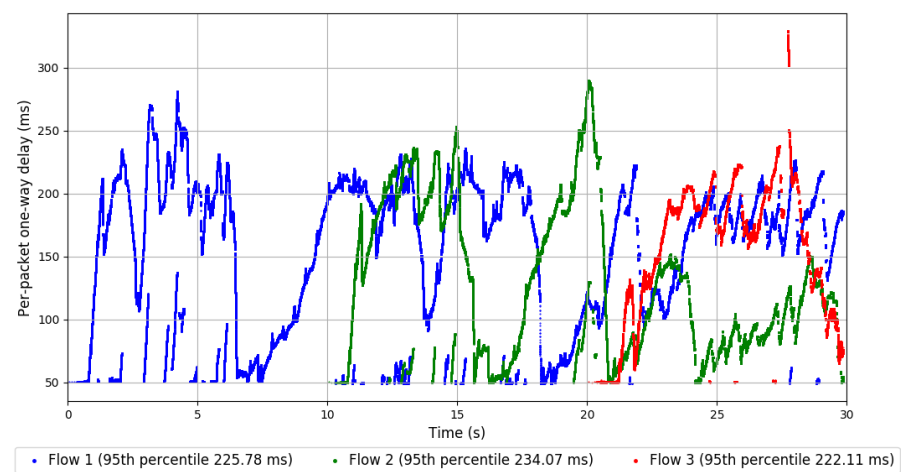
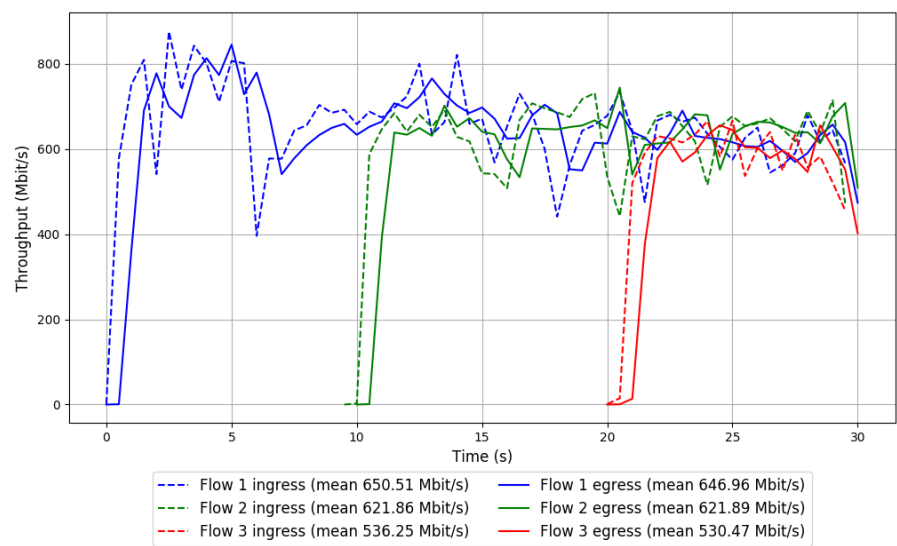
-- Flow 3:

Average throughput: 530.47 Mbit/s

95th percentile per-packet one-way delay: 222.113 ms

Loss rate: 2.08%

Run 6: Report of FillP — Data Link

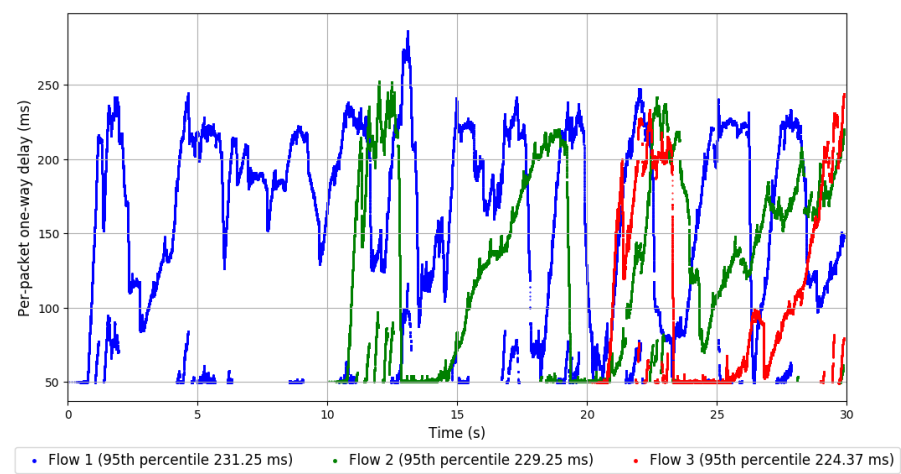
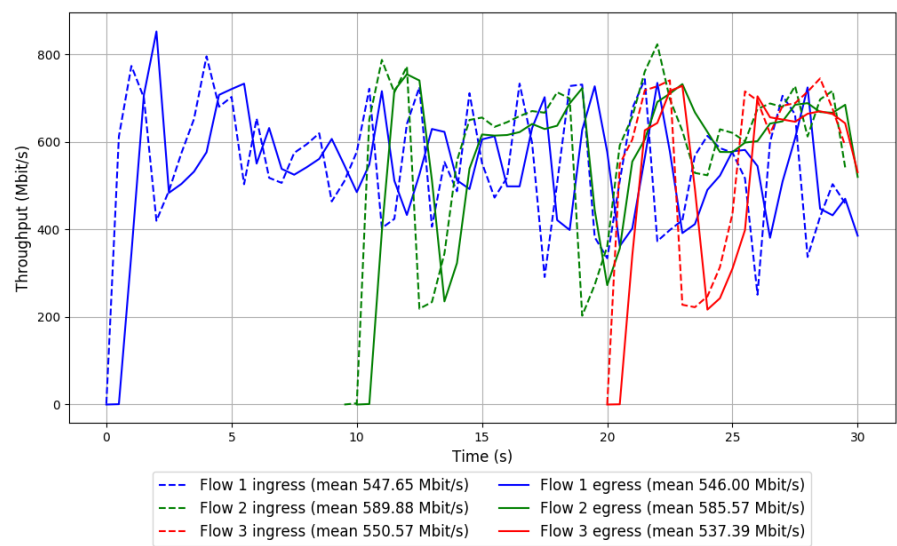


Run 7: Statistics of FillP

Start at: 2018-07-12 19:09:30
End at: 2018-07-12 19:10:00
Local clock offset: -0.508 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-12 21:34:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 1112.05 Mbit/s
95th percentile per-packet one-way delay: 229.181 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 546.00 Mbit/s
95th percentile per-packet one-way delay: 231.249 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 585.57 Mbit/s
95th percentile per-packet one-way delay: 229.248 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 537.39 Mbit/s
95th percentile per-packet one-way delay: 224.372 ms
Loss rate: 3.39%

Run 7: Report of FillP — Data Link

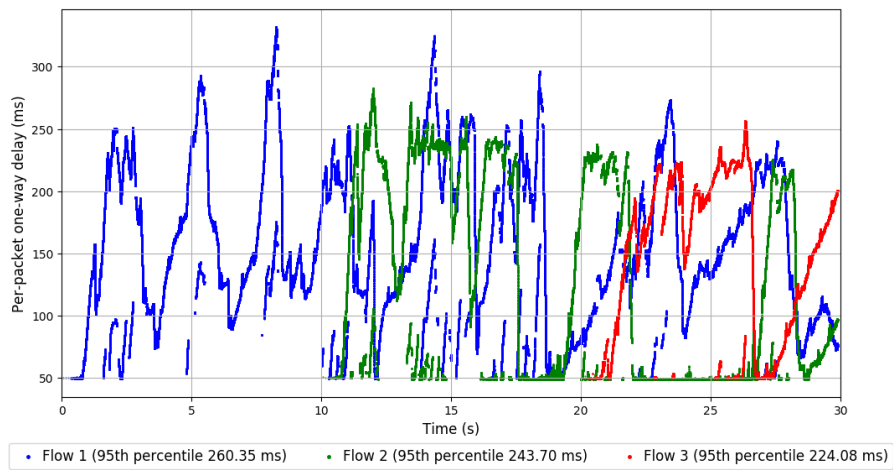
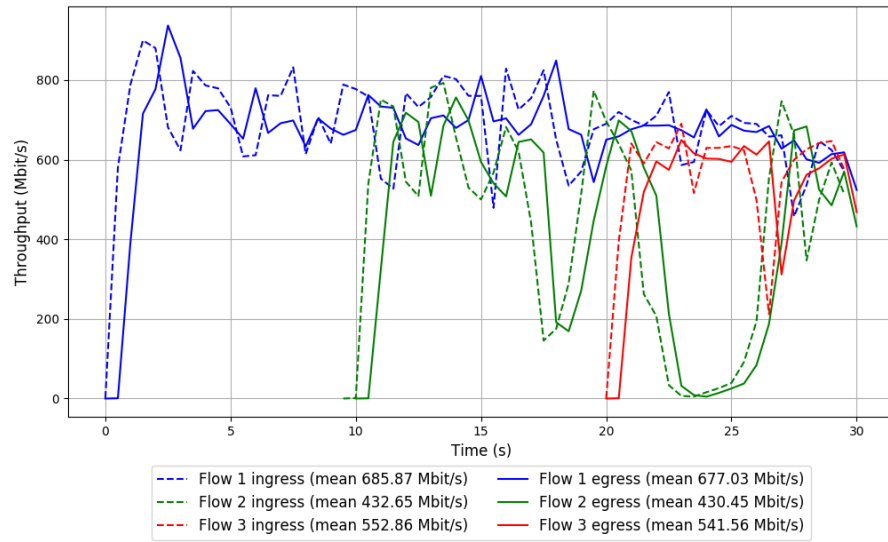


Run 8: Statistics of FillP

Start at: 2018-07-12 19:33:37
End at: 2018-07-12 19:34:07
Local clock offset: -0.475 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-12 21:34:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 1141.50 Mbit/s
95th percentile per-packet one-way delay: 252.326 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 677.03 Mbit/s
95th percentile per-packet one-way delay: 260.346 ms
Loss rate: 1.63%
-- Flow 2:
Average throughput: 430.45 Mbit/s
95th percentile per-packet one-way delay: 243.704 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 541.56 Mbit/s
95th percentile per-packet one-way delay: 224.077 ms
Loss rate: 3.06%

Run 8: Report of FillP — Data Link

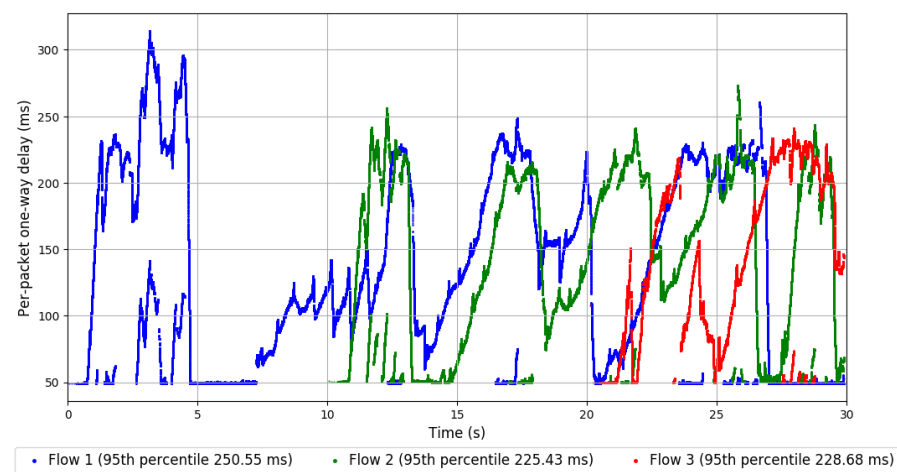
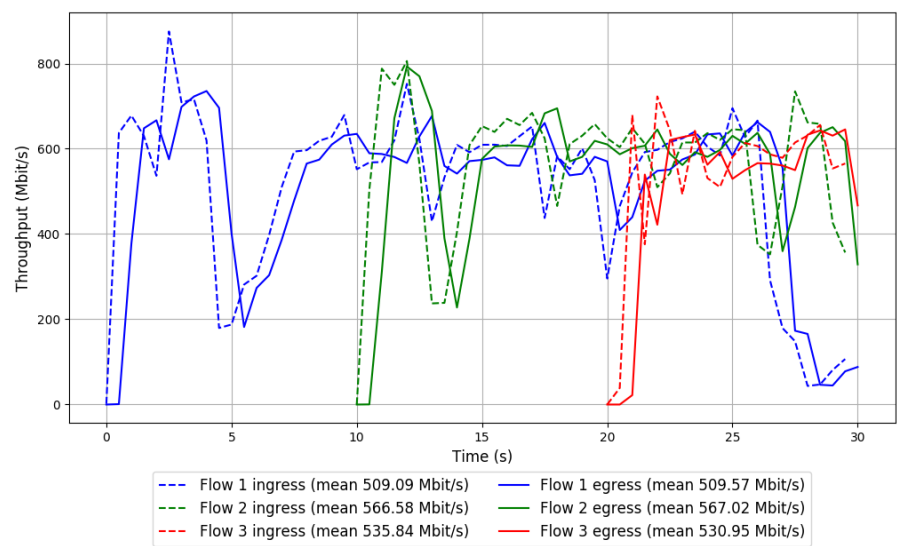


Run 9: Statistics of FillP

Start at: 2018-07-12 19:57:45
End at: 2018-07-12 19:58:15
Local clock offset: -0.455 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-12 21:49:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 1059.95 Mbit/s
95th percentile per-packet one-way delay: 231.783 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 509.57 Mbit/s
95th percentile per-packet one-way delay: 250.548 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 567.02 Mbit/s
95th percentile per-packet one-way delay: 225.432 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 530.95 Mbit/s
95th percentile per-packet one-way delay: 228.677 ms
Loss rate: 2.49%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-12 20:21:32

End at: 2018-07-12 20:22:02

Local clock offset: -0.146 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-12 21:52:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 1177.21 Mbit/s

95th percentile per-packet one-way delay: 238.993 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 625.42 Mbit/s

95th percentile per-packet one-way delay: 233.511 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 615.81 Mbit/s

95th percentile per-packet one-way delay: 260.963 ms

Loss rate: 2.36%

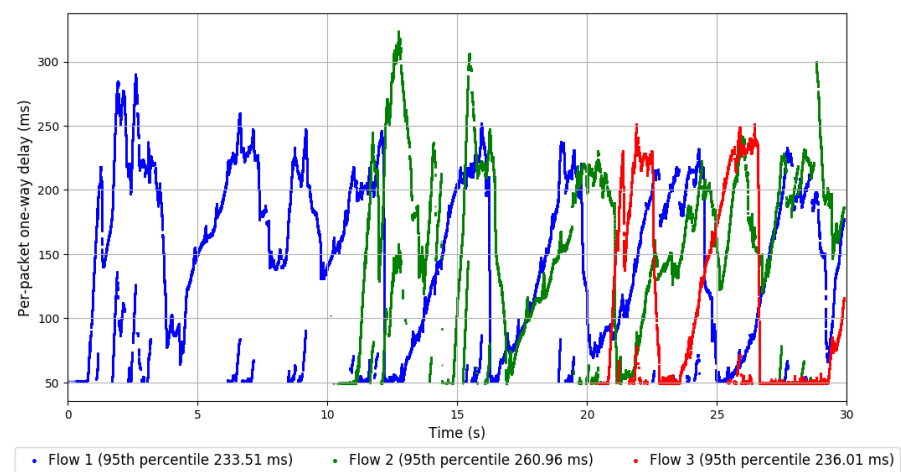
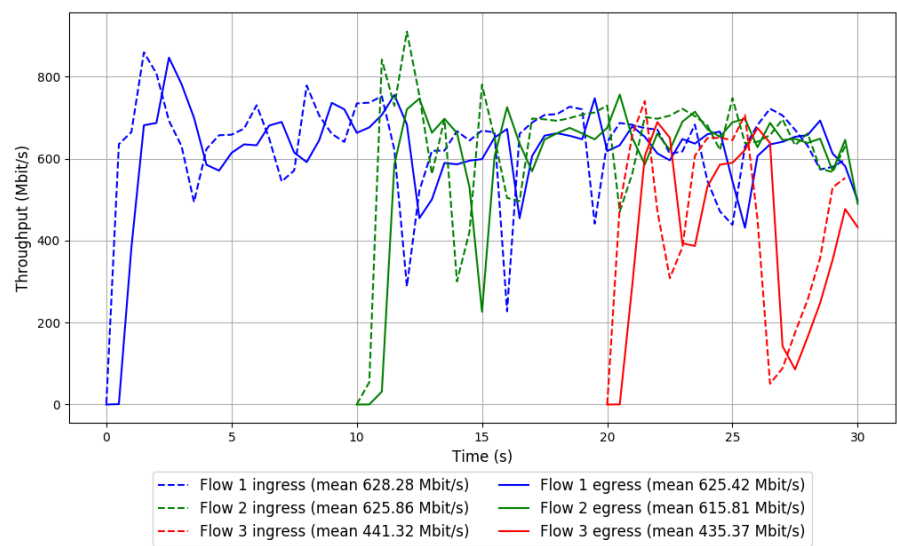
-- Flow 3:

Average throughput: 435.37 Mbit/s

95th percentile per-packet one-way delay: 236.011 ms

Loss rate: 2.36%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-12 16:51:16

End at: 2018-07-12 16:51:46

Local clock offset: -0.535 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-07-12 21:52:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 1113.50 Mbit/s

95th percentile per-packet one-way delay: 234.534 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 584.04 Mbit/s

95th percentile per-packet one-way delay: 236.279 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 519.45 Mbit/s

95th percentile per-packet one-way delay: 237.615 ms

Loss rate: 1.02%

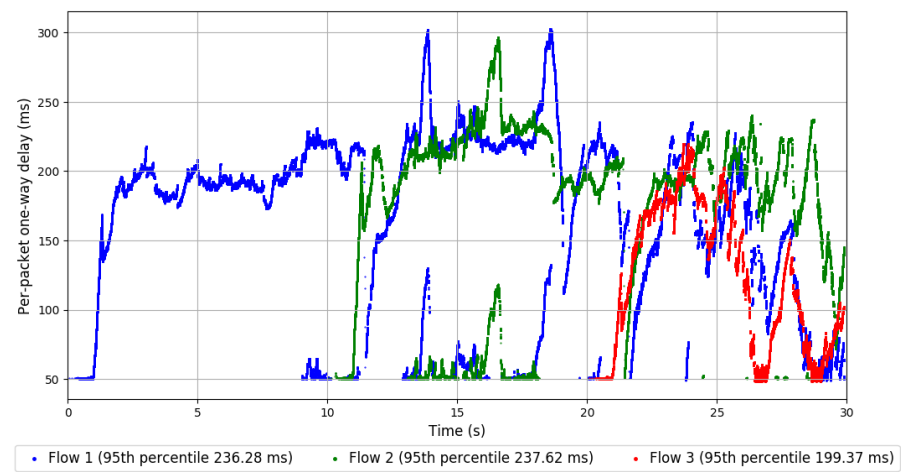
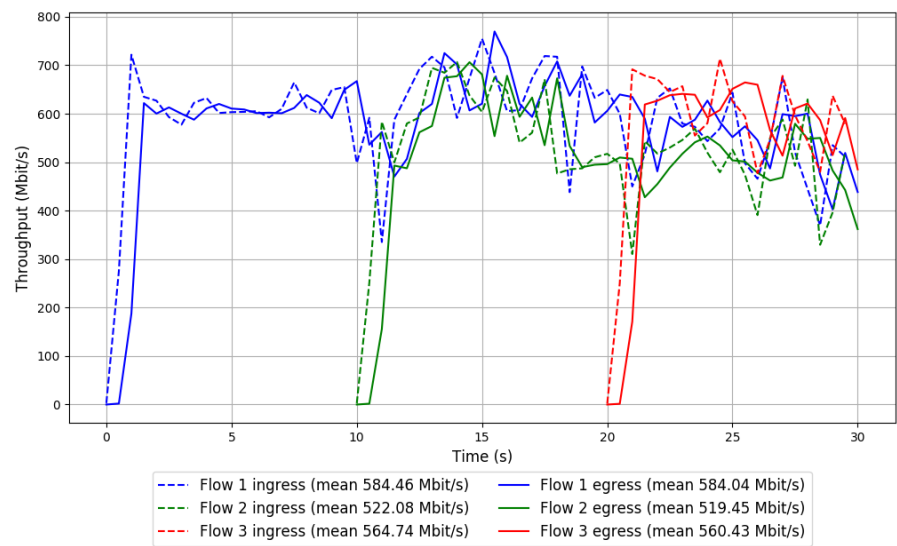
-- Flow 3:

Average throughput: 560.43 Mbit/s

95th percentile per-packet one-way delay: 199.369 ms

Loss rate: 1.79%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-12 17:15:23

End at: 2018-07-12 17:15:53

Local clock offset: -0.138 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-07-12 21:54:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 1150.99 Mbit/s

95th percentile per-packet one-way delay: 228.368 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 603.94 Mbit/s

95th percentile per-packet one-way delay: 239.804 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 566.79 Mbit/s

95th percentile per-packet one-way delay: 223.903 ms

Loss rate: 1.10%

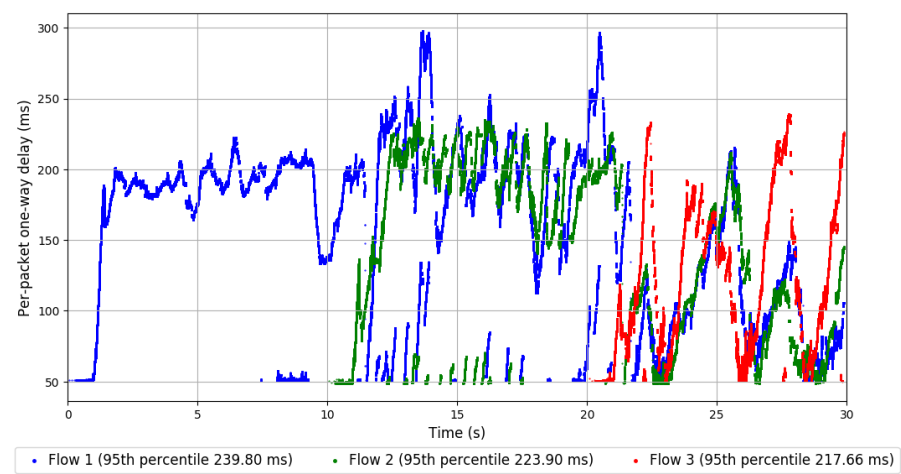
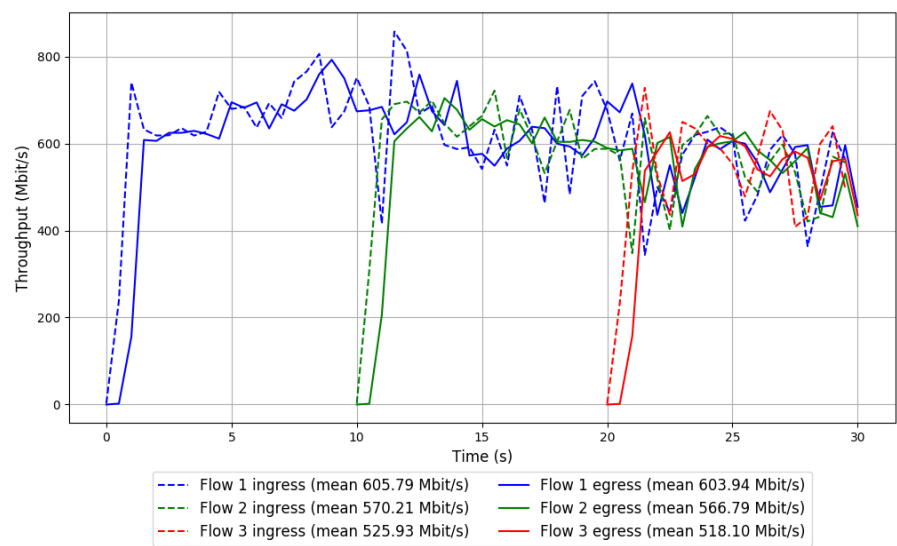
-- Flow 3:

Average throughput: 518.10 Mbit/s

95th percentile per-packet one-way delay: 217.661 ms

Loss rate: 2.43%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-12 17:39:22

End at: 2018-07-12 17:39:52

Local clock offset: 0.224 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-12 21:56:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 1208.33 Mbit/s

95th percentile per-packet one-way delay: 268.109 ms

Loss rate: 1.80%

-- Flow 1:

Average throughput: 640.86 Mbit/s

95th percentile per-packet one-way delay: 269.518 ms

Loss rate: 2.33%

-- Flow 2:

Average throughput: 592.72 Mbit/s

95th percentile per-packet one-way delay: 272.268 ms

Loss rate: 1.31%

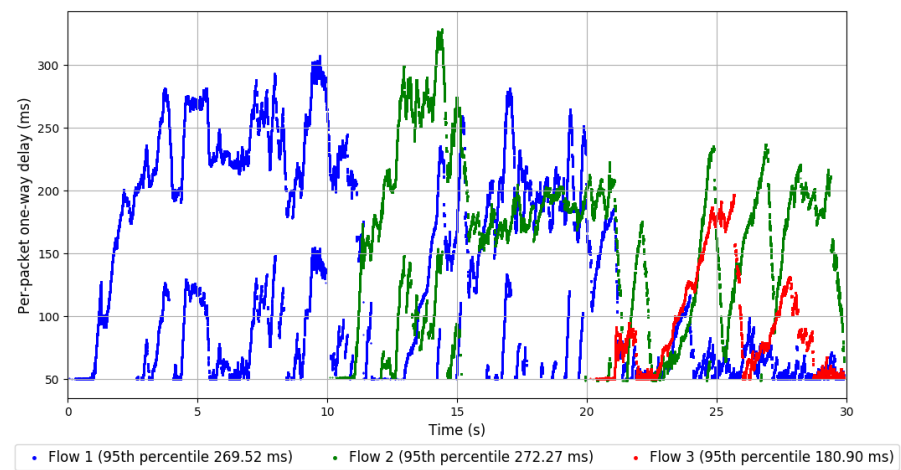
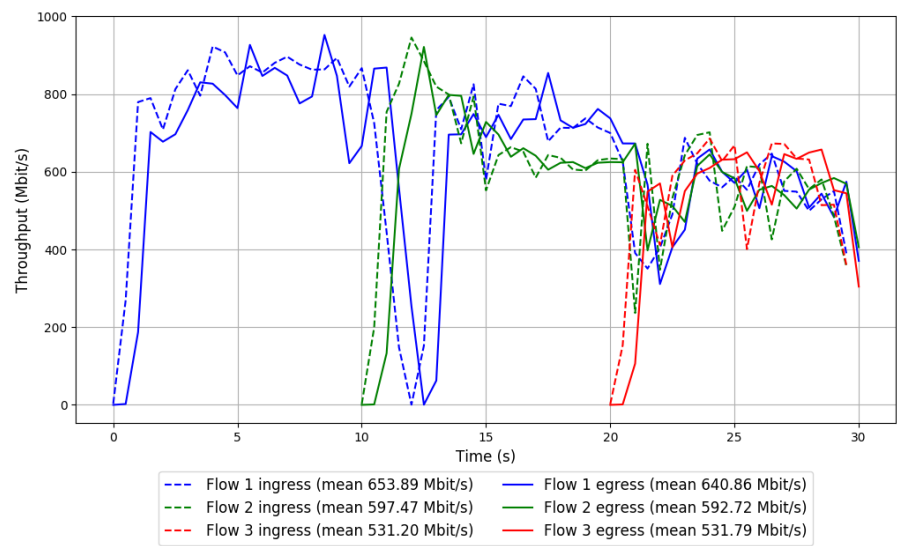
-- Flow 3:

Average throughput: 531.79 Mbit/s

95th percentile per-packet one-way delay: 180.902 ms

Loss rate: 0.92%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-12 18:03:35

End at: 2018-07-12 18:04:05

Local clock offset: -0.144 ms

Remote clock offset: 0.081 ms

Below is generated by plot.py at 2018-07-12 21:56:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 1135.85 Mbit/s

95th percentile per-packet one-way delay: 270.074 ms

Loss rate: 1.29%

-- Flow 1:

Average throughput: 611.05 Mbit/s

95th percentile per-packet one-way delay: 285.916 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 567.00 Mbit/s

95th percentile per-packet one-way delay: 261.028 ms

Loss rate: 1.08%

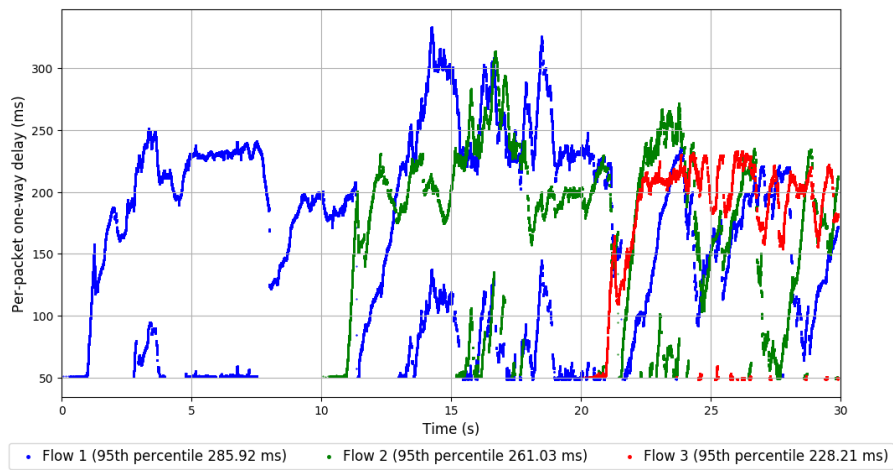
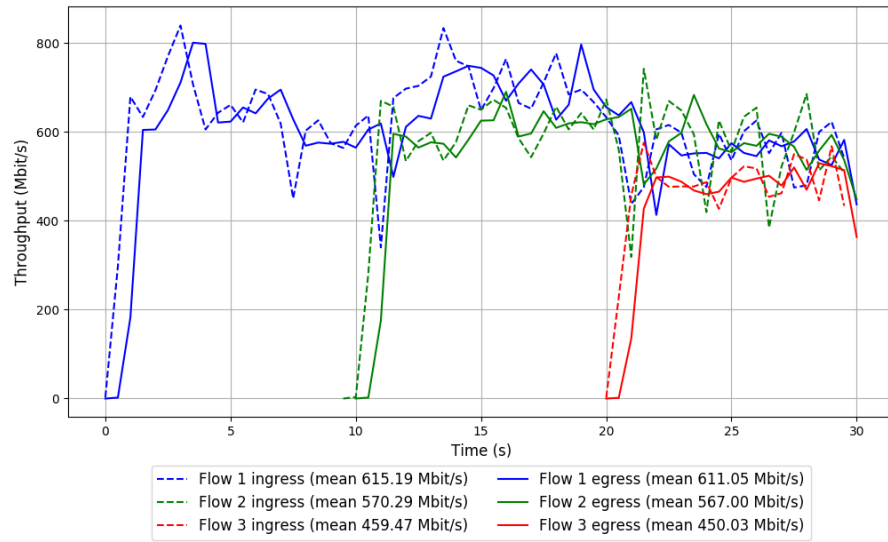
-- Flow 3:

Average throughput: 450.03 Mbit/s

95th percentile per-packet one-way delay: 228.207 ms

Loss rate: 3.00%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-12 18:27:28

End at: 2018-07-12 18:27:58

Local clock offset: -0.161 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-12 21:56:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 883.67 Mbit/s

95th percentile per-packet one-way delay: 280.344 ms

Loss rate: 2.83%

-- Flow 1:

Average throughput: 391.59 Mbit/s

95th percentile per-packet one-way delay: 294.836 ms

Loss rate: 3.89%

-- Flow 2:

Average throughput: 454.96 Mbit/s

95th percentile per-packet one-way delay: 275.821 ms

Loss rate: 2.10%

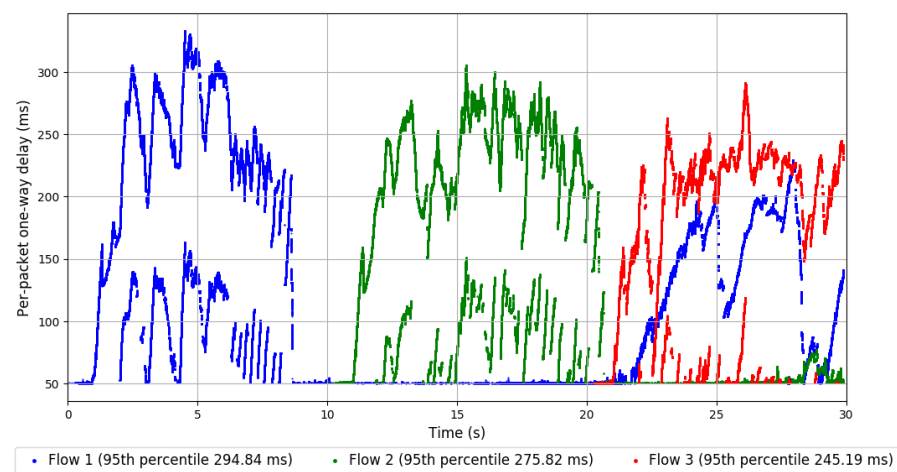
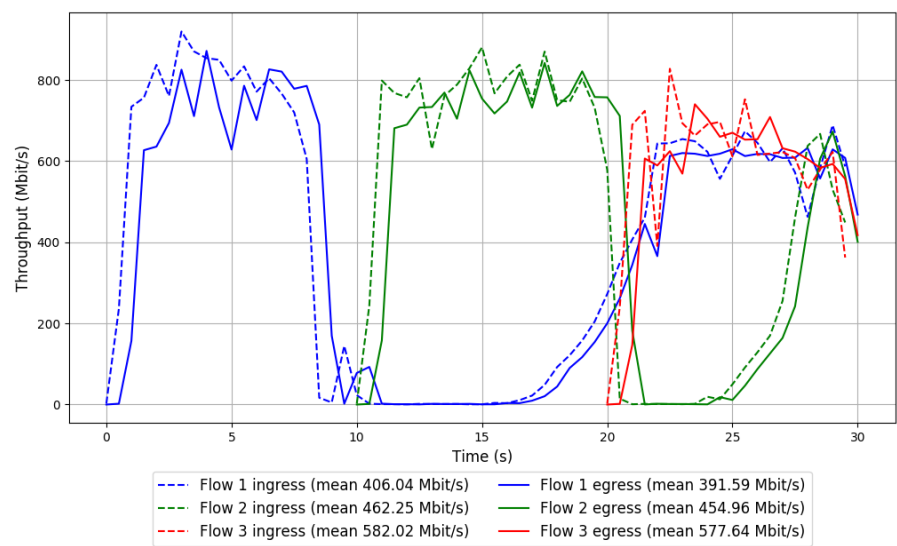
-- Flow 3:

Average throughput: 577.64 Mbit/s

95th percentile per-packet one-way delay: 245.191 ms

Loss rate: 1.75%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-12 18:51:14

End at: 2018-07-12 18:51:44

Local clock offset: 0.195 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-12 21:58:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 1153.59 Mbit/s

95th percentile per-packet one-way delay: 280.317 ms

Loss rate: 1.53%

-- Flow 1:

Average throughput: 602.14 Mbit/s

95th percentile per-packet one-way delay: 239.187 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 579.83 Mbit/s

95th percentile per-packet one-way delay: 300.775 ms

Loss rate: 3.54%

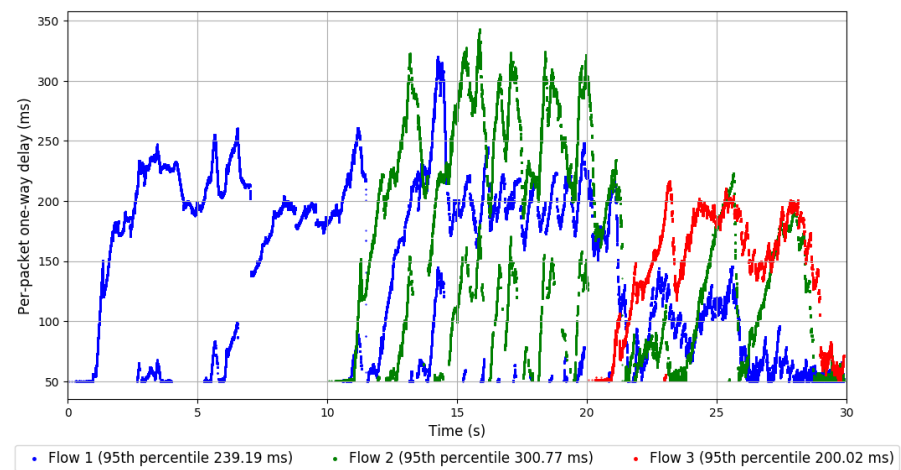
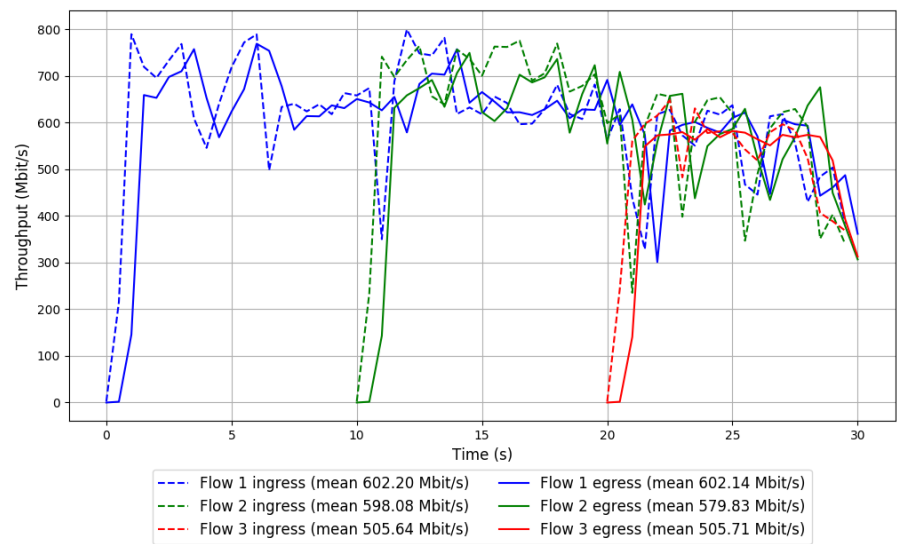
-- Flow 3:

Average throughput: 505.71 Mbit/s

95th percentile per-packet one-way delay: 200.024 ms

Loss rate: 1.02%

Run 6: Report of FillP-Sheep — Data Link

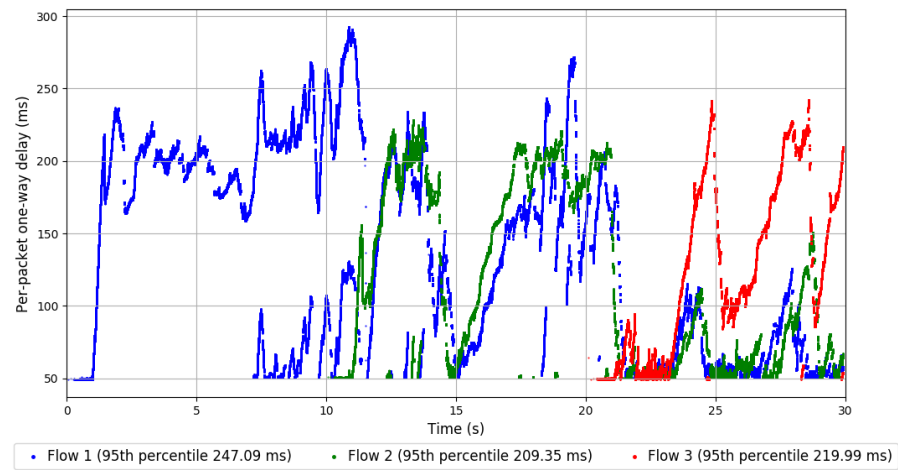
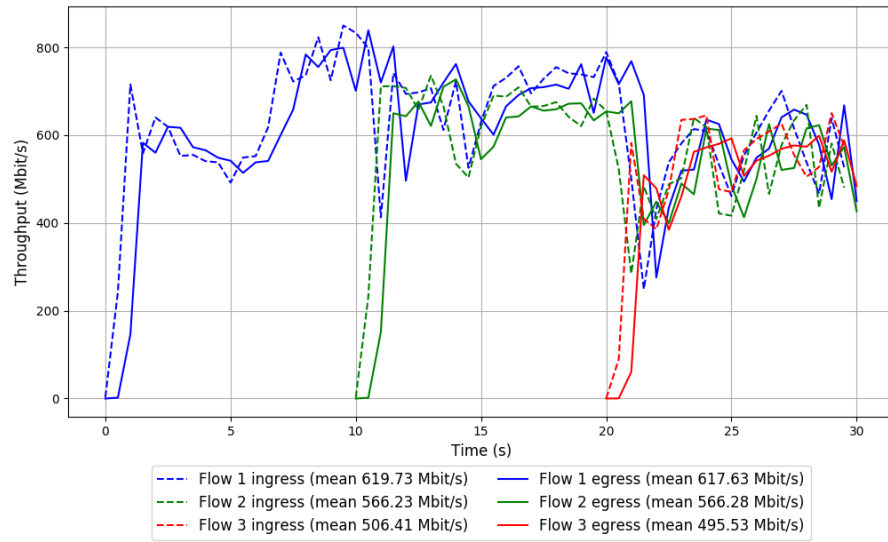


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-12 19:15:24
End at: 2018-07-12 19:15:54
Local clock offset: -0.52 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-12 22:14:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 1156.43 Mbit/s
95th percentile per-packet one-way delay: 228.847 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 617.63 Mbit/s
95th percentile per-packet one-way delay: 247.087 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 566.28 Mbit/s
95th percentile per-packet one-way delay: 209.350 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 495.53 Mbit/s
95th percentile per-packet one-way delay: 219.991 ms
Loss rate: 3.03%

Run 7: Report of FillP-Sheep — Data Link

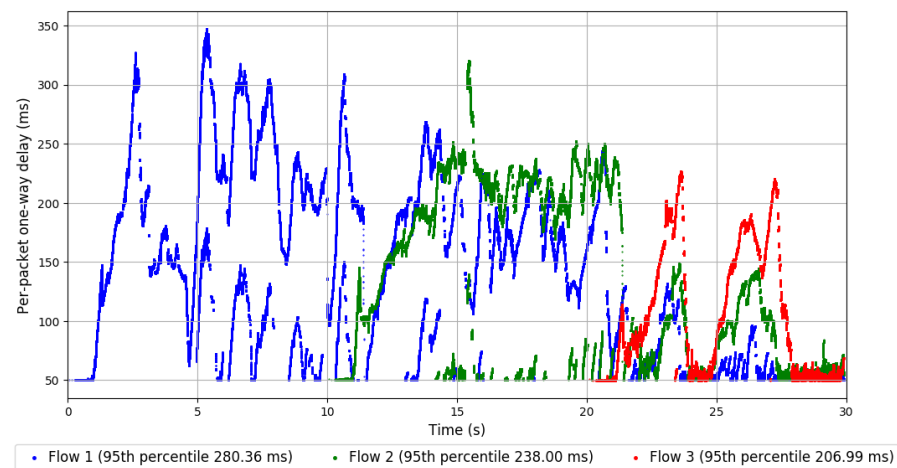
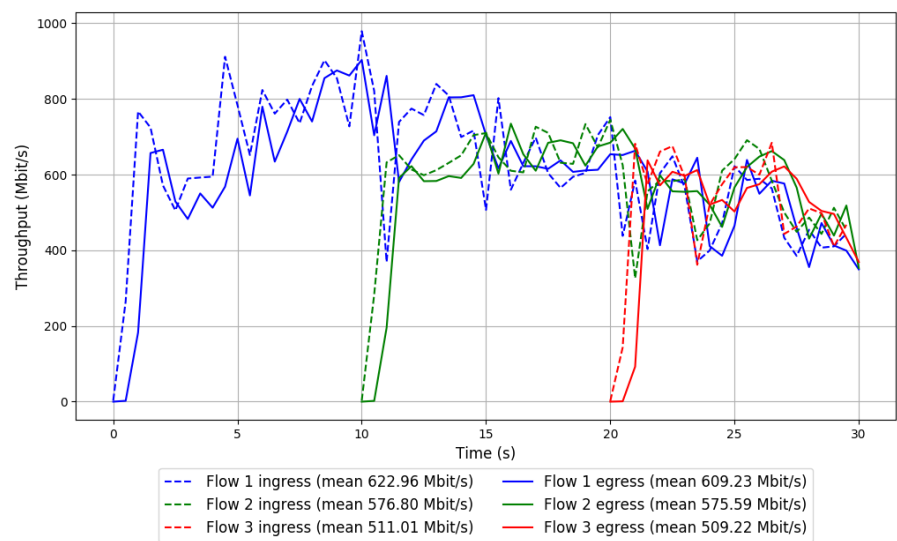


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-12 19:39:29
End at: 2018-07-12 19:39:59
Local clock offset: -0.135 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-12 22:17:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 1158.73 Mbit/s
95th percentile per-packet one-way delay: 255.177 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 609.23 Mbit/s
95th percentile per-packet one-way delay: 280.360 ms
Loss rate: 2.53%
-- Flow 2:
Average throughput: 575.59 Mbit/s
95th percentile per-packet one-way delay: 237.999 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 509.22 Mbit/s
95th percentile per-packet one-way delay: 206.989 ms
Loss rate: 1.38%

Run 8: Report of FillP-Sheep — Data Link

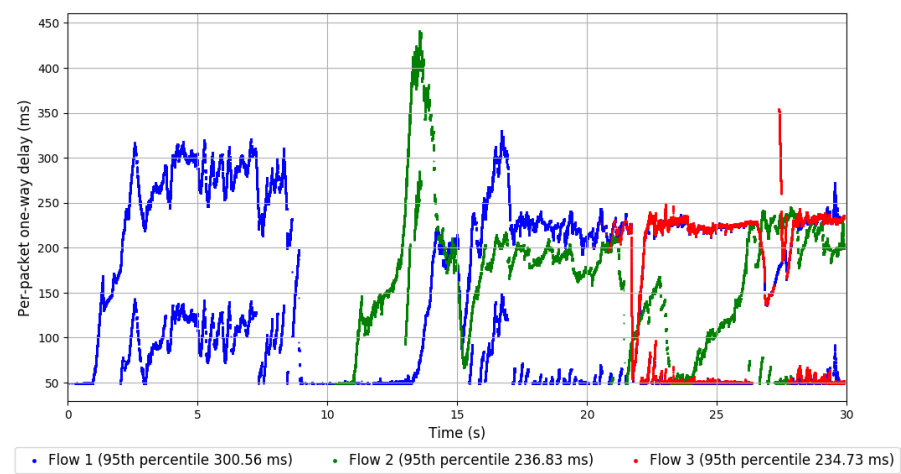
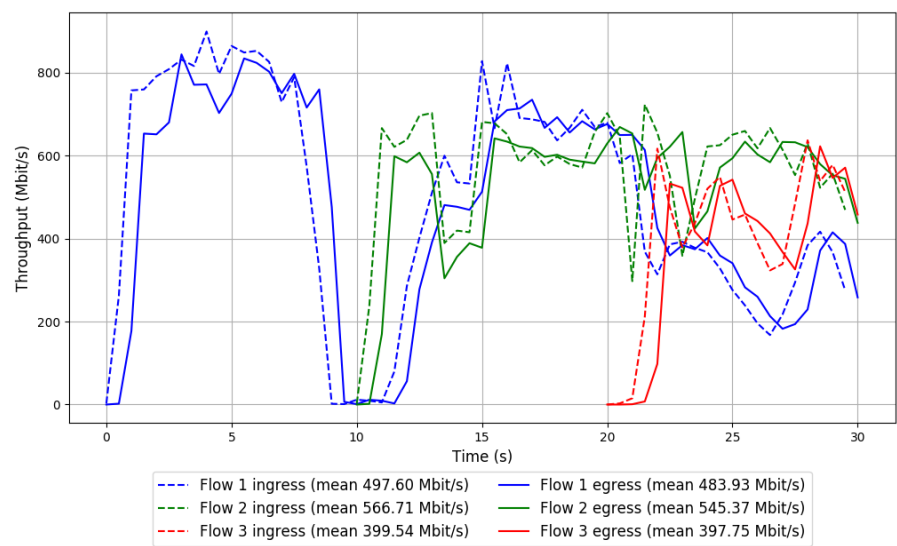


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-12 20:03:30
End at: 2018-07-12 20:04:00
Local clock offset: -0.491 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-12 22:17:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 974.92 Mbit/s
95th percentile per-packet one-way delay: 295.521 ms
Loss rate: 3.51%
-- Flow 1:
Average throughput: 483.93 Mbit/s
95th percentile per-packet one-way delay: 300.561 ms
Loss rate: 3.07%
-- Flow 2:
Average throughput: 545.37 Mbit/s
95th percentile per-packet one-way delay: 236.826 ms
Loss rate: 4.26%
-- Flow 3:
Average throughput: 397.75 Mbit/s
95th percentile per-packet one-way delay: 234.728 ms
Loss rate: 3.01%

Run 9: Report of FillP-Sheep — Data Link

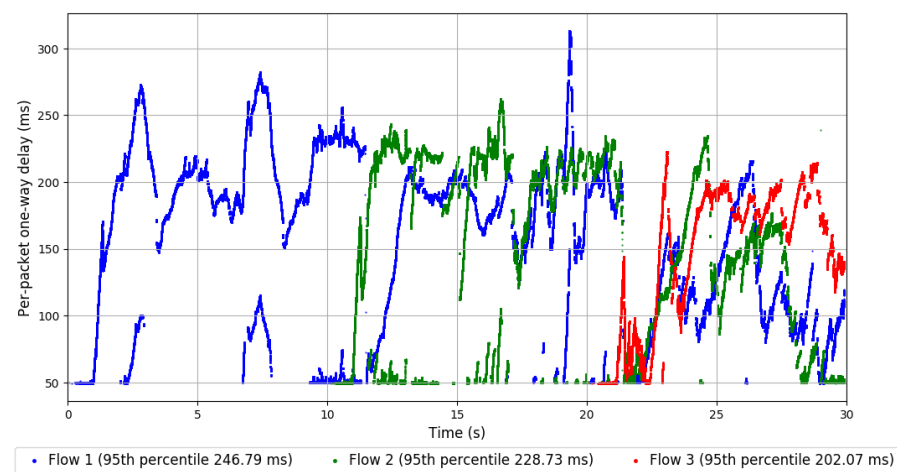
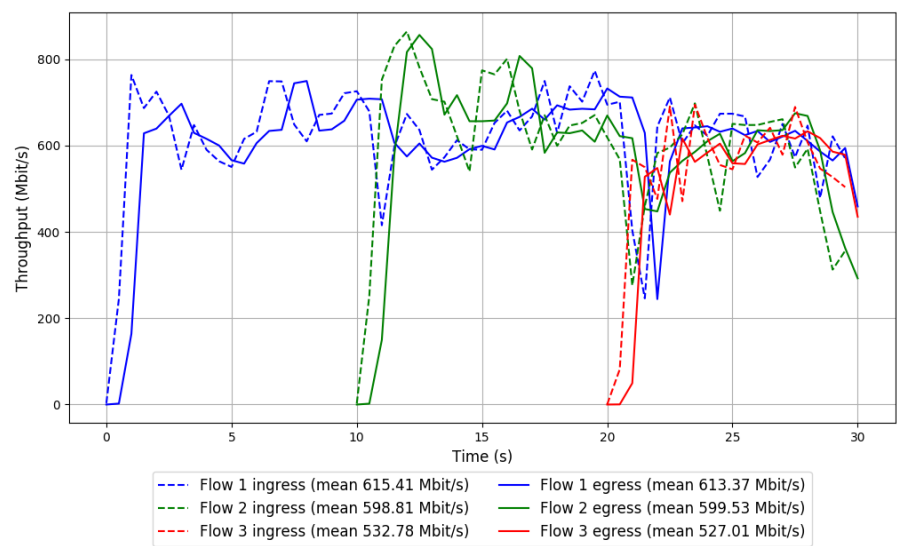


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-12 20:27:23
End at: 2018-07-12 20:27:53
Local clock offset: -0.136 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-12 22:19:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 1185.26 Mbit/s
95th percentile per-packet one-way delay: 233.009 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 613.37 Mbit/s
95th percentile per-packet one-way delay: 246.790 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 599.53 Mbit/s
95th percentile per-packet one-way delay: 228.732 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 527.01 Mbit/s
95th percentile per-packet one-way delay: 202.072 ms
Loss rate: 2.09%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-12 16:36:39

End at: 2018-07-12 16:37:09

Local clock offset: -0.154 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-07-12 22:19:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 300.19 Mbit/s

95th percentile per-packet one-way delay: 78.337 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 177.37 Mbit/s

95th percentile per-packet one-way delay: 75.946 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 144.95 Mbit/s

95th percentile per-packet one-way delay: 78.584 ms

Loss rate: 0.55%

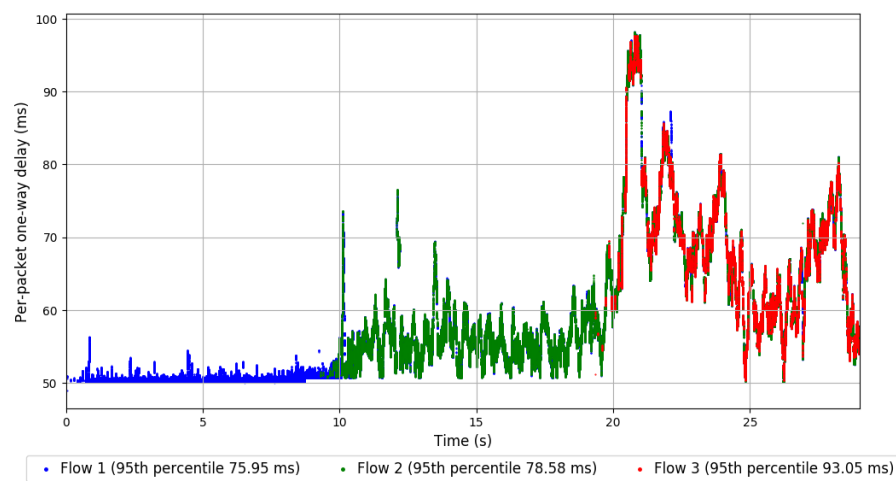
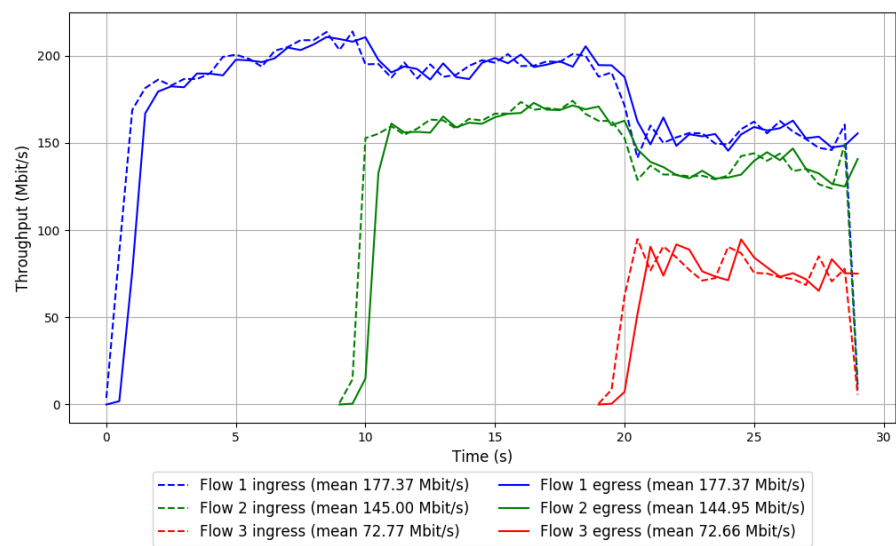
-- Flow 3:

Average throughput: 72.66 Mbit/s

95th percentile per-packet one-way delay: 93.047 ms

Loss rate: 1.17%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-12 17:00:58

End at: 2018-07-12 17:01:28

Local clock offset: -0.154 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-12 22:19:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 283.75 Mbit/s

95th percentile per-packet one-way delay: 91.963 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 157.93 Mbit/s

95th percentile per-packet one-way delay: 84.252 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 138.23 Mbit/s

95th percentile per-packet one-way delay: 91.814 ms

Loss rate: 0.42%

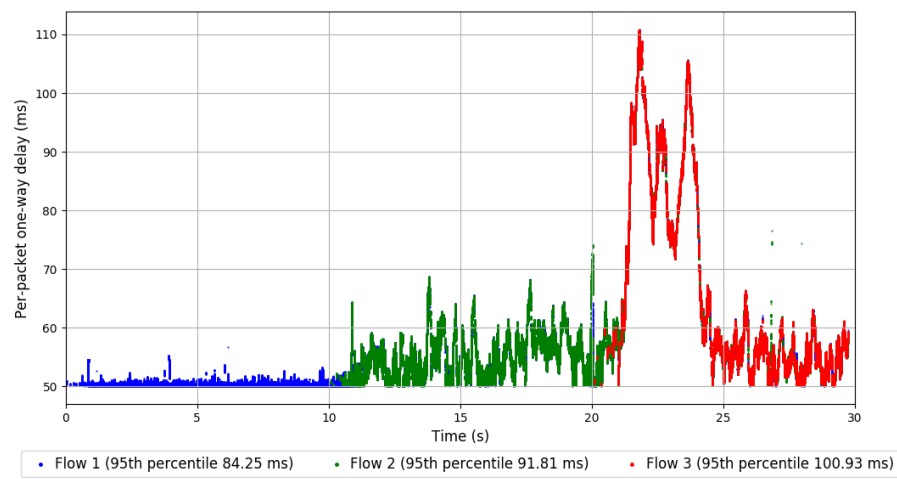
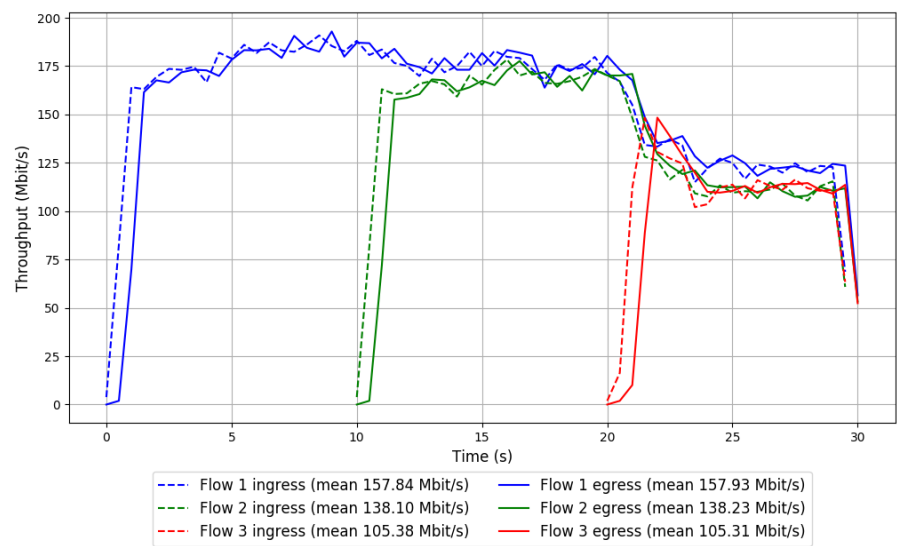
-- Flow 3:

Average throughput: 105.31 Mbit/s

95th percentile per-packet one-way delay: 100.932 ms

Loss rate: 1.09%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-12 17:25:04

End at: 2018-07-12 17:25:34

Local clock offset: 0.178 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-12 22:19:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 289.64 Mbit/s

95th percentile per-packet one-way delay: 70.147 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 178.12 Mbit/s

95th percentile per-packet one-way delay: 68.805 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 149.38 Mbit/s

95th percentile per-packet one-way delay: 70.886 ms

Loss rate: 0.59%

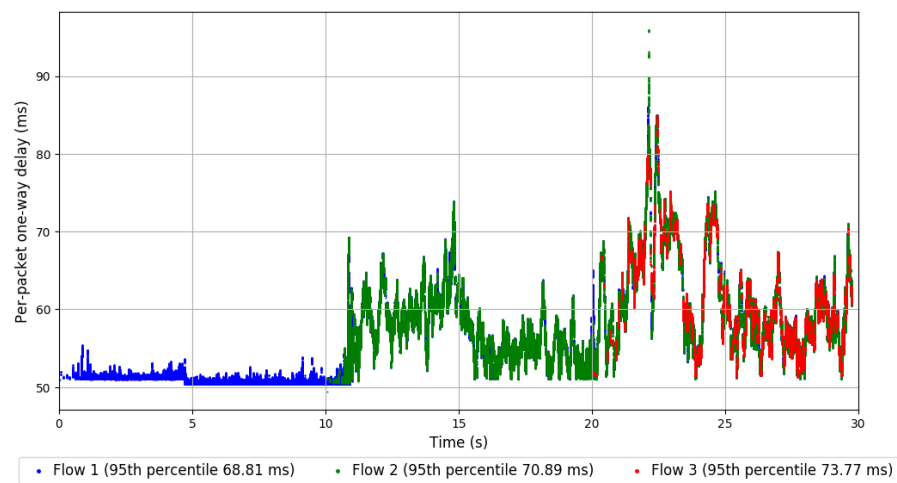
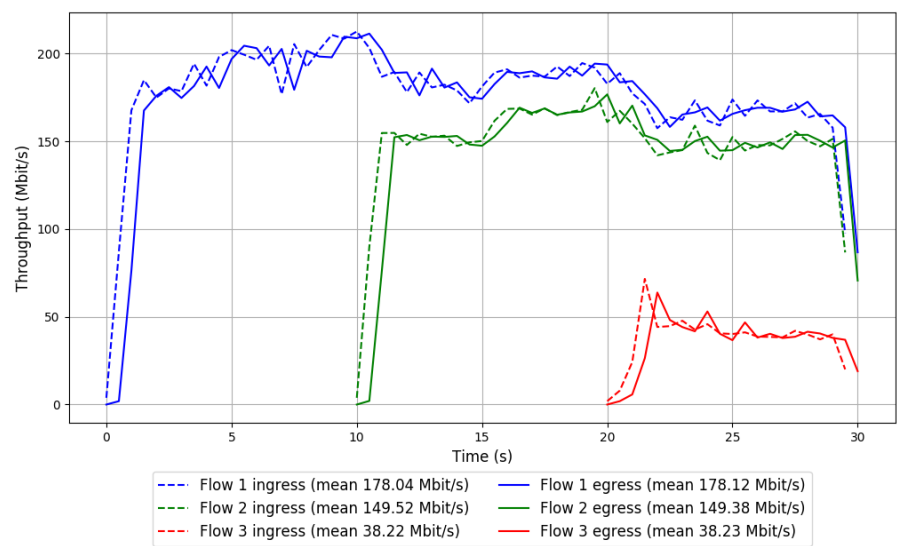
-- Flow 3:

Average throughput: 38.23 Mbit/s

95th percentile per-packet one-way delay: 73.769 ms

Loss rate: 1.03%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-12 17:49:06

End at: 2018-07-12 17:49:36

Local clock offset: 0.209 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-12 22:19:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 288.16 Mbit/s

95th percentile per-packet one-way delay: 68.766 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 174.86 Mbit/s

95th percentile per-packet one-way delay: 67.928 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 153.04 Mbit/s

95th percentile per-packet one-way delay: 69.707 ms

Loss rate: 0.55%

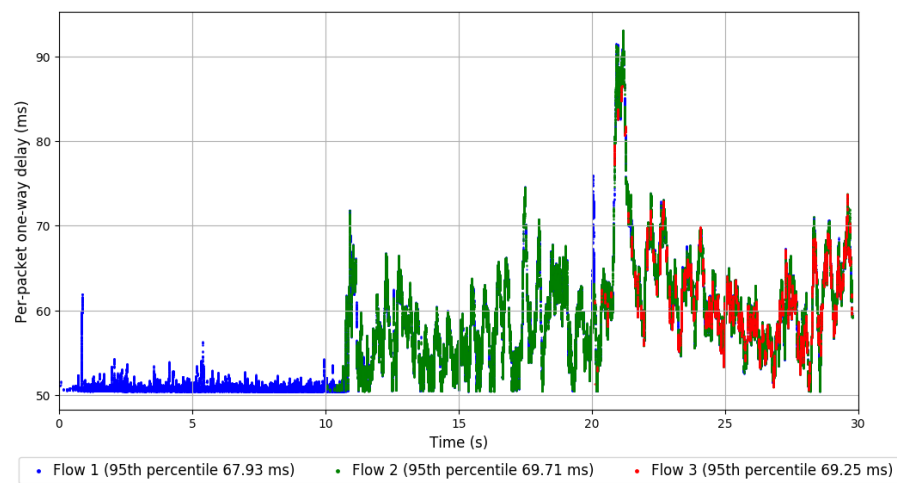
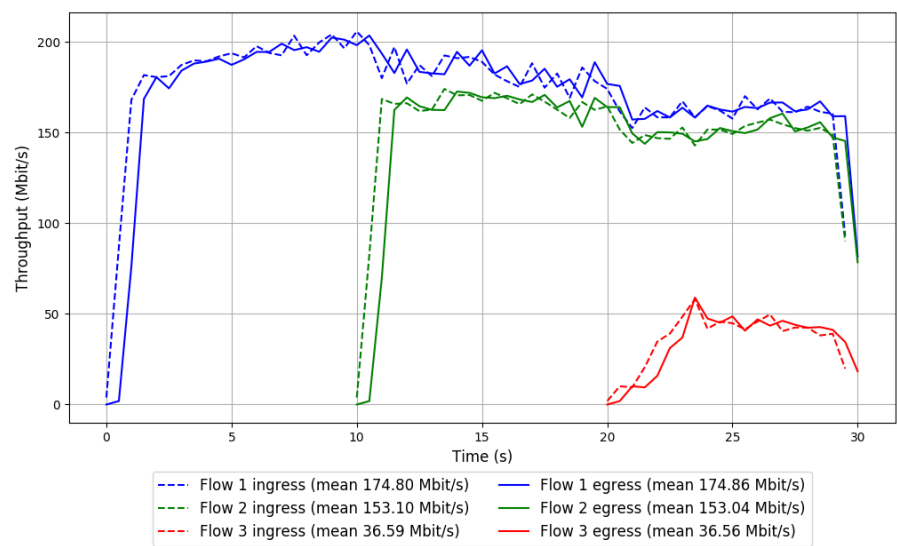
-- Flow 3:

Average throughput: 36.56 Mbit/s

95th percentile per-packet one-way delay: 69.254 ms

Loss rate: 1.14%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-12 18:13:11

End at: 2018-07-12 18:13:41

Local clock offset: -0.172 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-07-12 22:19:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 287.06 Mbit/s

95th percentile per-packet one-way delay: 74.470 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 177.94 Mbit/s

95th percentile per-packet one-way delay: 72.702 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 141.14 Mbit/s

95th percentile per-packet one-way delay: 75.157 ms

Loss rate: 0.52%

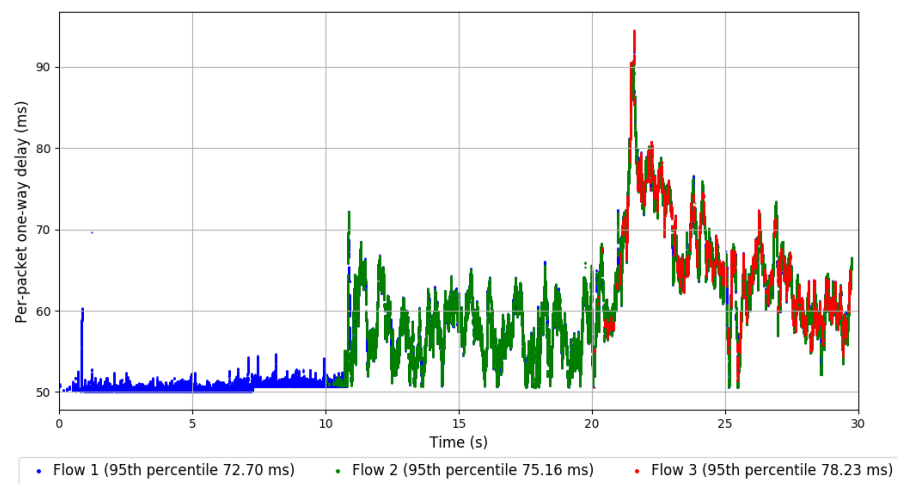
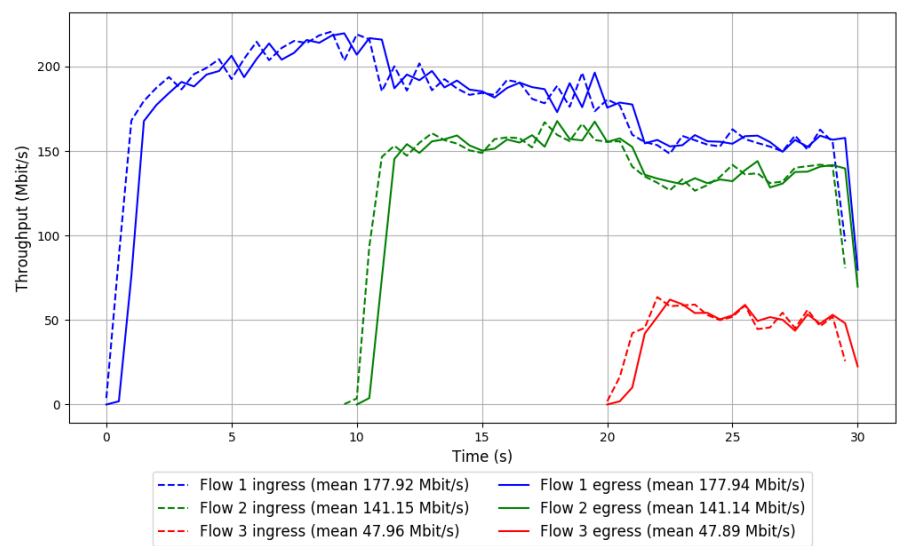
-- Flow 3:

Average throughput: 47.89 Mbit/s

95th percentile per-packet one-way delay: 78.234 ms

Loss rate: 1.18%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-12 18:36:52

End at: 2018-07-12 18:37:22

Local clock offset: -0.134 ms

Remote clock offset: 0.109 ms

Below is generated by plot.py at 2018-07-12 22:19:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 279.19 Mbit/s

95th percentile per-packet one-way delay: 86.630 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 149.27 Mbit/s

95th percentile per-packet one-way delay: 83.517 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 135.85 Mbit/s

95th percentile per-packet one-way delay: 86.922 ms

Loss rate: 0.48%

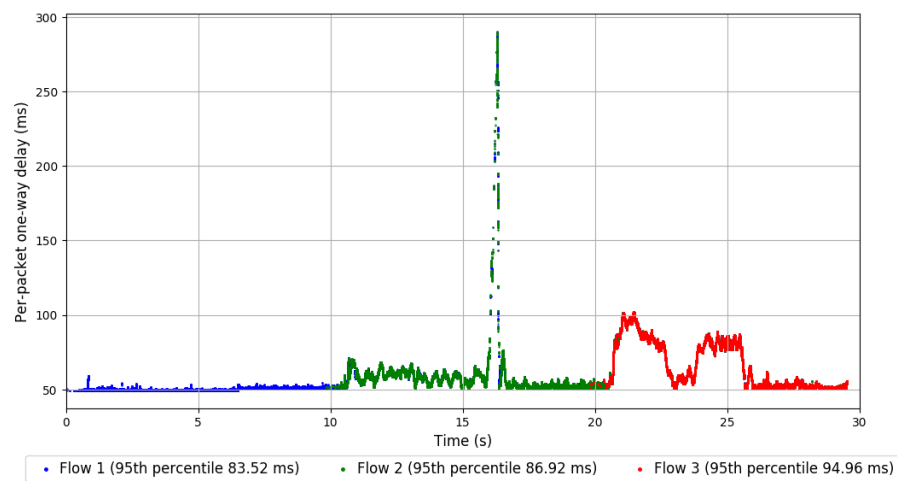
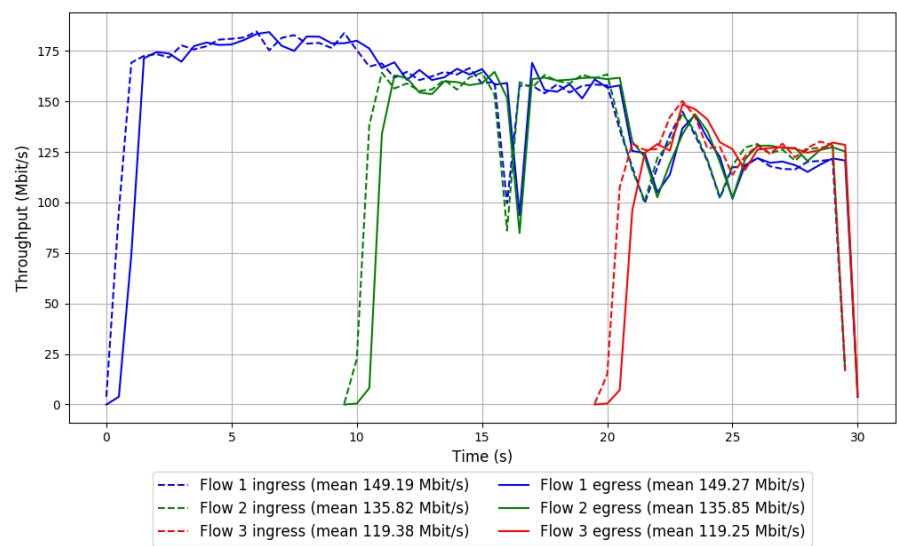
-- Flow 3:

Average throughput: 119.25 Mbit/s

95th percentile per-packet one-way delay: 94.963 ms

Loss rate: 1.13%

Run 6: Report of Indigo — Data Link

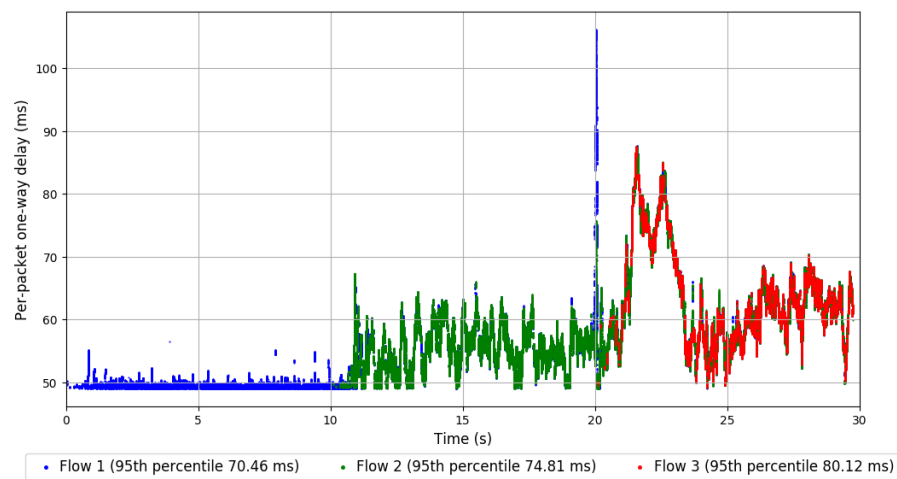
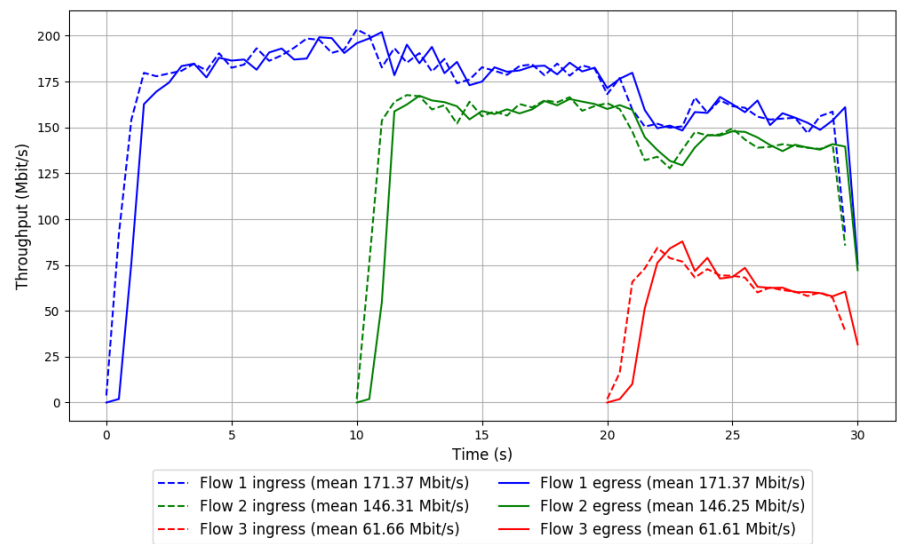


Run 7: Statistics of Indigo

Start at: 2018-07-12 19:00:54
End at: 2018-07-12 19:01:24
Local clock offset: -0.447 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-12 22:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 288.10 Mbit/s
95th percentile per-packet one-way delay: 74.450 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 171.37 Mbit/s
95th percentile per-packet one-way delay: 70.464 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 146.25 Mbit/s
95th percentile per-packet one-way delay: 74.808 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 80.123 ms
Loss rate: 1.11%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-12 19:24:58

End at: 2018-07-12 19:25:28

Local clock offset: 0.22 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-12 22:19:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 282.20 Mbit/s

95th percentile per-packet one-way delay: 78.881 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 165.56 Mbit/s

95th percentile per-packet one-way delay: 74.399 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 144.98 Mbit/s

95th percentile per-packet one-way delay: 79.877 ms

Loss rate: 0.56%

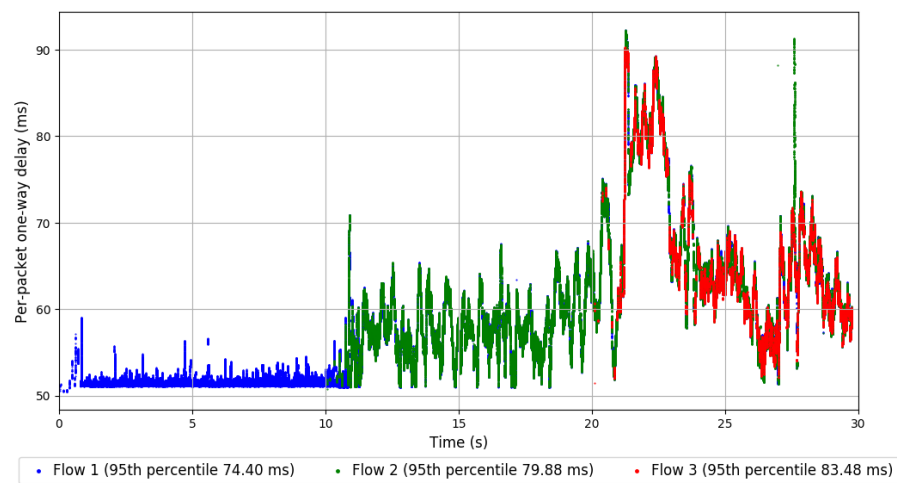
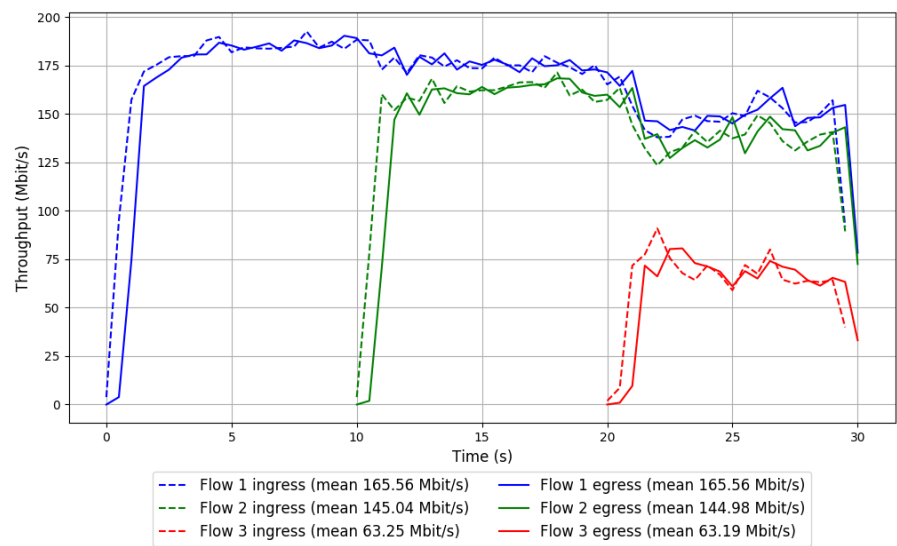
-- Flow 3:

Average throughput: 63.19 Mbit/s

95th percentile per-packet one-way delay: 83.476 ms

Loss rate: 1.16%

Run 8: Report of Indigo — Data Link

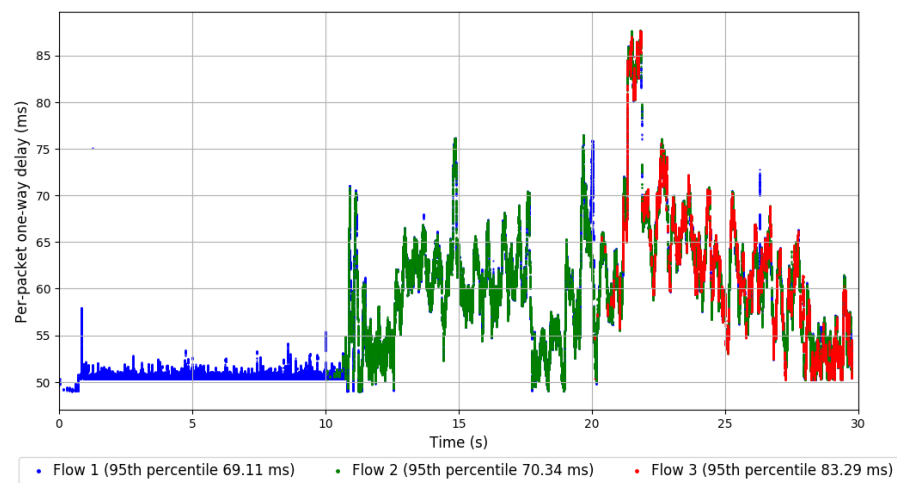
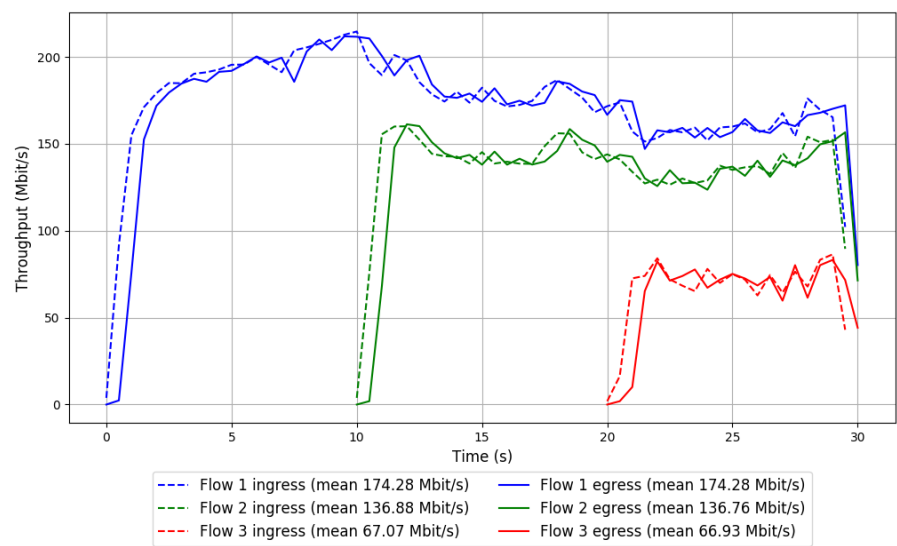


Run 9: Statistics of Indigo

Start at: 2018-07-12 19:49:08
End at: 2018-07-12 19:49:38
Local clock offset: -0.47 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-12 22:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 286.68 Mbit/s
95th percentile per-packet one-way delay: 70.104 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 174.28 Mbit/s
95th percentile per-packet one-way delay: 69.114 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 136.76 Mbit/s
95th percentile per-packet one-way delay: 70.345 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 66.93 Mbit/s
95th percentile per-packet one-way delay: 83.293 ms
Loss rate: 1.25%

Run 9: Report of Indigo — Data Link

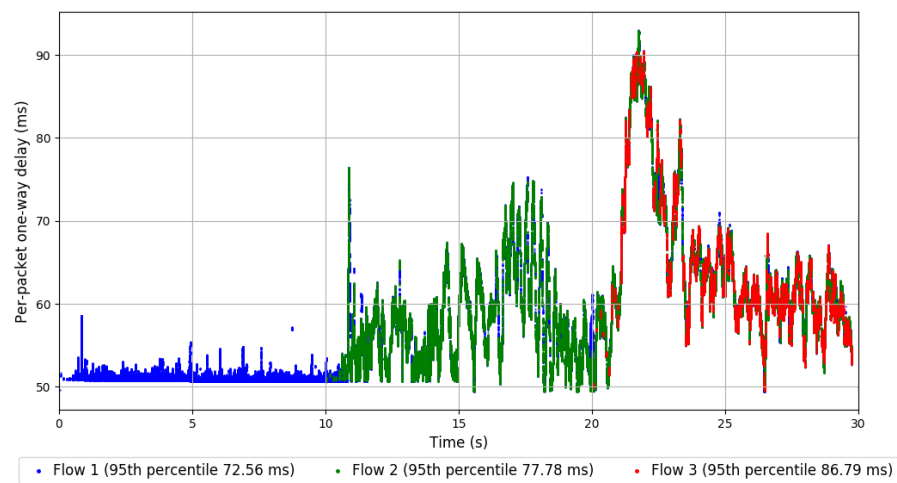
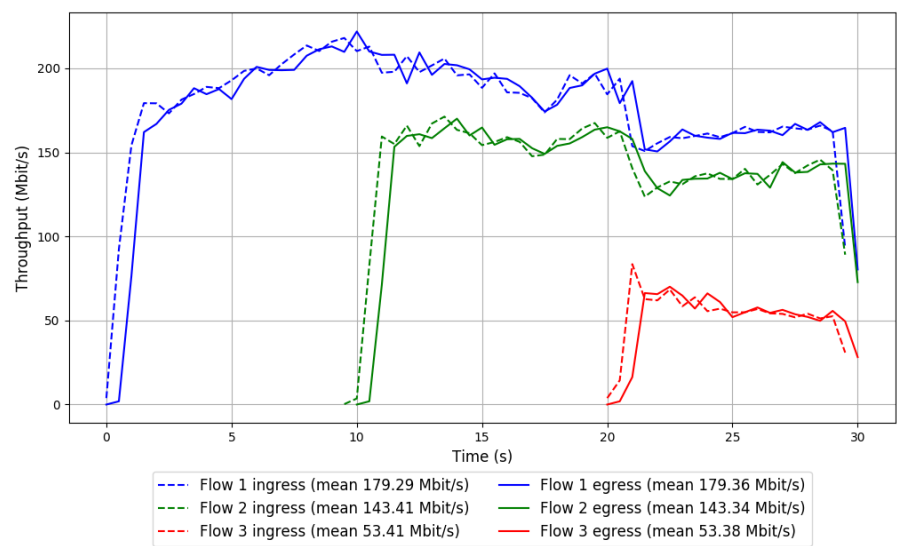


Run 10: Statistics of Indigo

Start at: 2018-07-12 20:13:04
End at: 2018-07-12 20:13:34
Local clock offset: -0.127 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-12 22:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 291.85 Mbit/s
95th percentile per-packet one-way delay: 75.686 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 179.36 Mbit/s
95th percentile per-packet one-way delay: 72.565 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 143.34 Mbit/s
95th percentile per-packet one-way delay: 77.784 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 53.38 Mbit/s
95th percentile per-packet one-way delay: 86.786 ms
Loss rate: 1.07%

Run 10: Report of Indigo — Data Link

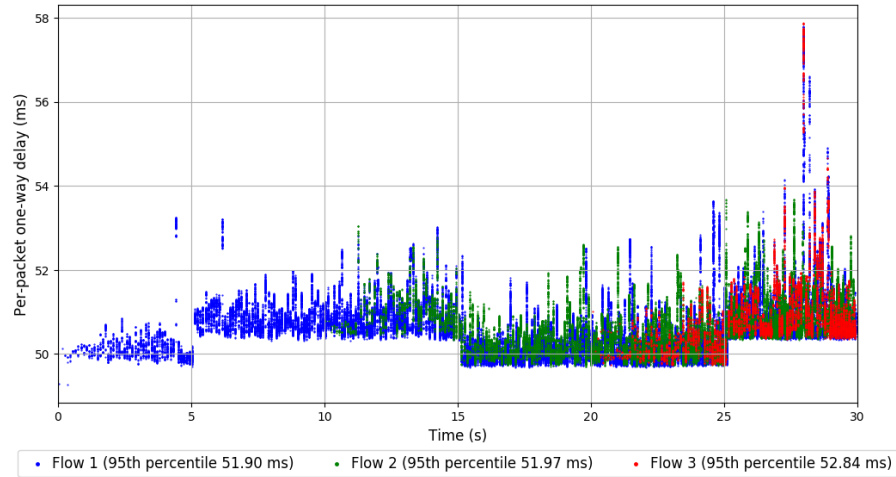
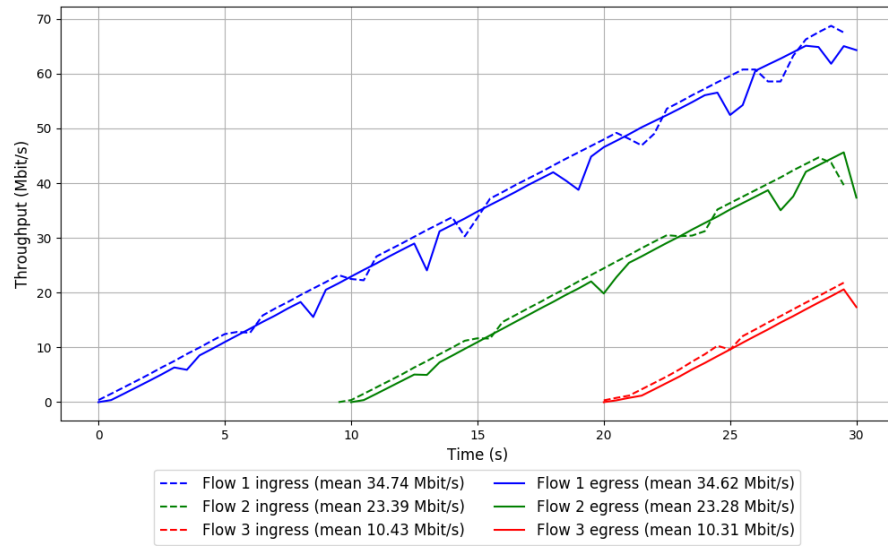


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-12 16:42:54
End at: 2018-07-12 16:43:24
Local clock offset: -0.52 ms
Remote clock offset: 0.03 ms

# Below is generated by plot.py at 2018-07-12 22:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.45 Mbit/s
95th percentile per-packet one-way delay: 51.980 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 51.895 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 23.28 Mbit/s
95th percentile per-packet one-way delay: 51.972 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 10.31 Mbit/s
95th percentile per-packet one-way delay: 52.837 ms
Loss rate: 2.15%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-12 17:07:00

End at: 2018-07-12 17:07:30

Local clock offset: 0.236 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-07-12 22:19:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.22 Mbit/s

95th percentile per-packet one-way delay: 52.562 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 35.30 Mbit/s

95th percentile per-packet one-way delay: 52.513 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 23.80 Mbit/s

95th percentile per-packet one-way delay: 52.600 ms

Loss rate: 1.01%

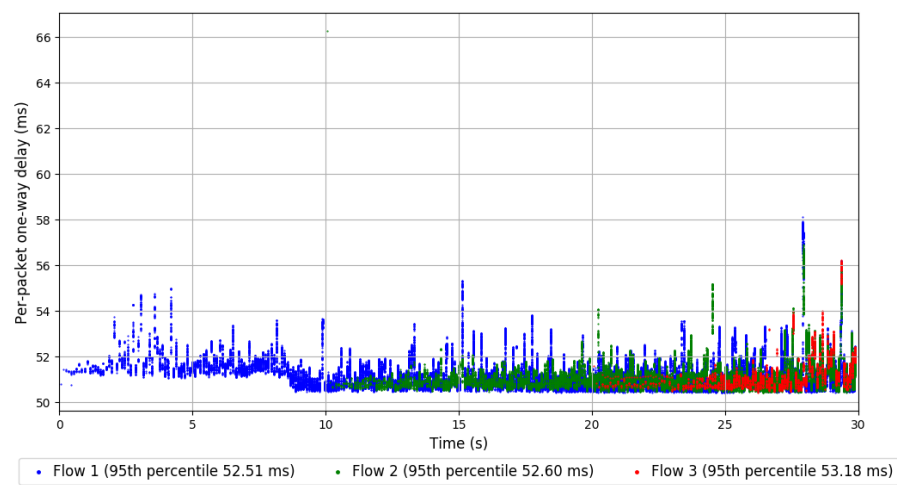
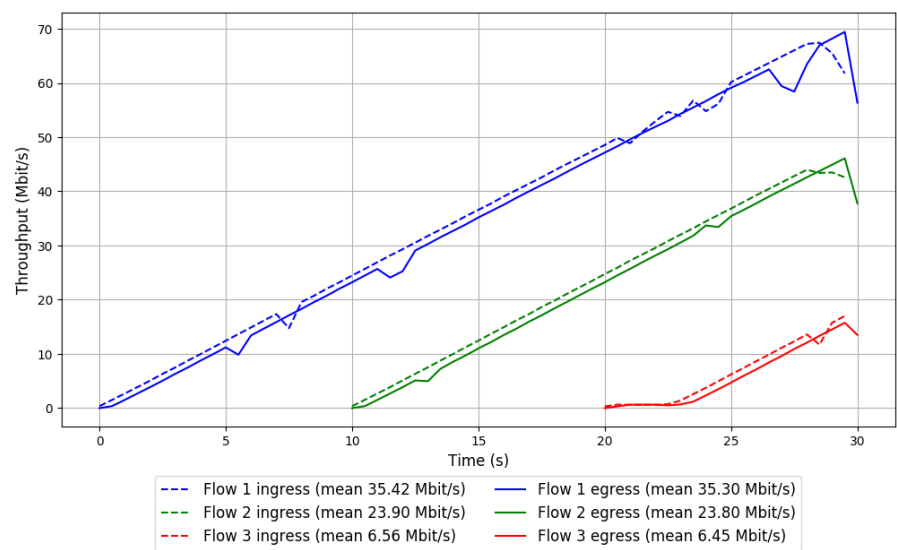
-- Flow 3:

Average throughput: 6.45 Mbit/s

95th percentile per-packet one-way delay: 53.183 ms

Loss rate: 2.69%

Run 2: Report of LEDBAT — Data Link

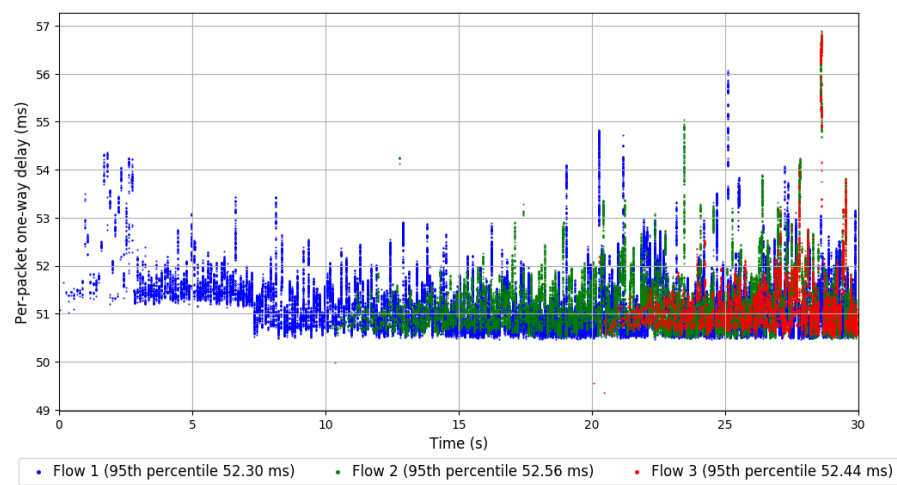
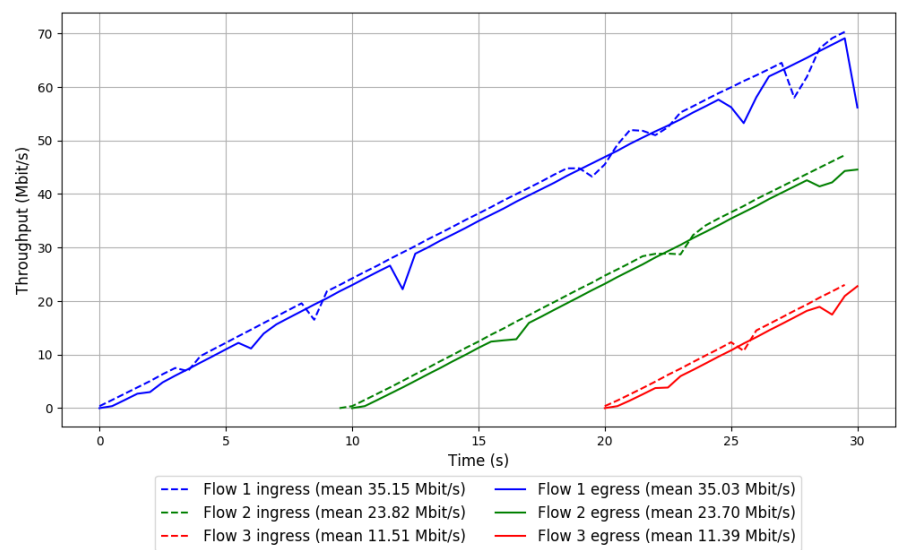


Run 3: Statistics of LEDBAT

Start at: 2018-07-12 17:31:02
End at: 2018-07-12 17:31:32
Local clock offset: 0.21 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-12 22:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.52 Mbit/s
95th percentile per-packet one-way delay: 52.378 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 35.03 Mbit/s
95th percentile per-packet one-way delay: 52.300 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 23.70 Mbit/s
95th percentile per-packet one-way delay: 52.564 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 11.39 Mbit/s
95th percentile per-packet one-way delay: 52.443 ms
Loss rate: 2.06%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-12 17:55:09

End at: 2018-07-12 17:55:39

Local clock offset: -0.169 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-12 22:19:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.31 Mbit/s

95th percentile per-packet one-way delay: 52.100 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 27.14 Mbit/s

95th percentile per-packet one-way delay: 52.226 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 23.14 Mbit/s

95th percentile per-packet one-way delay: 51.957 ms

Loss rate: 1.02%

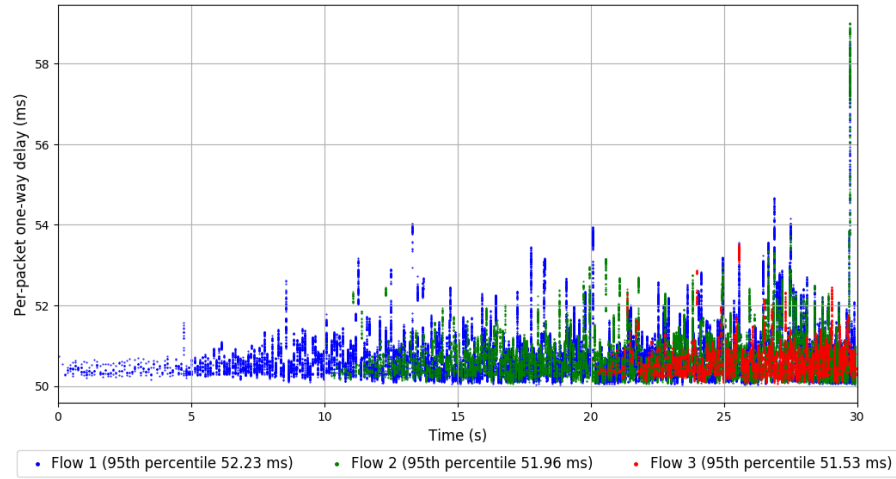
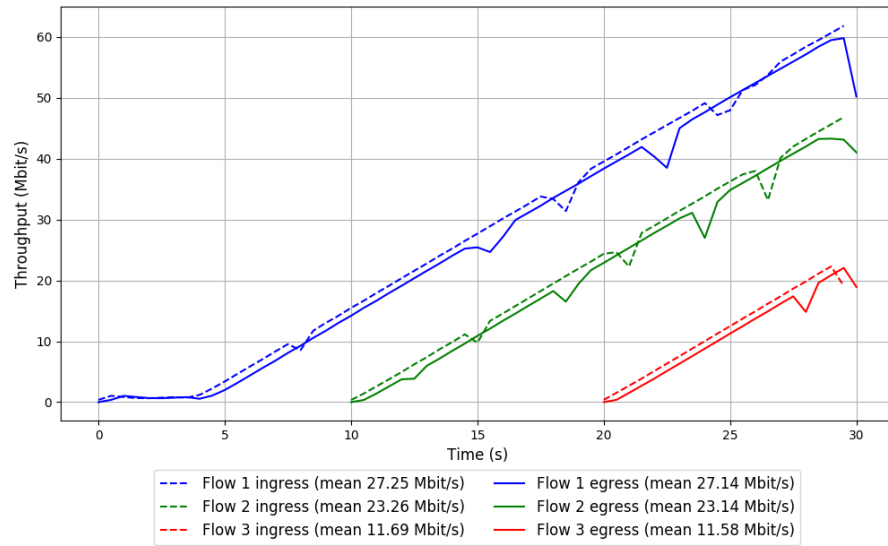
-- Flow 3:

Average throughput: 11.58 Mbit/s

95th percentile per-packet one-way delay: 51.529 ms

Loss rate: 2.02%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-12 18:19:11

End at: 2018-07-12 18:19:41

Local clock offset: 0.214 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-12 22:19:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.29 Mbit/s

95th percentile per-packet one-way delay: 52.970 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 35.19 Mbit/s

95th percentile per-packet one-way delay: 53.011 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 23.07 Mbit/s

95th percentile per-packet one-way delay: 52.846 ms

Loss rate: 1.02%

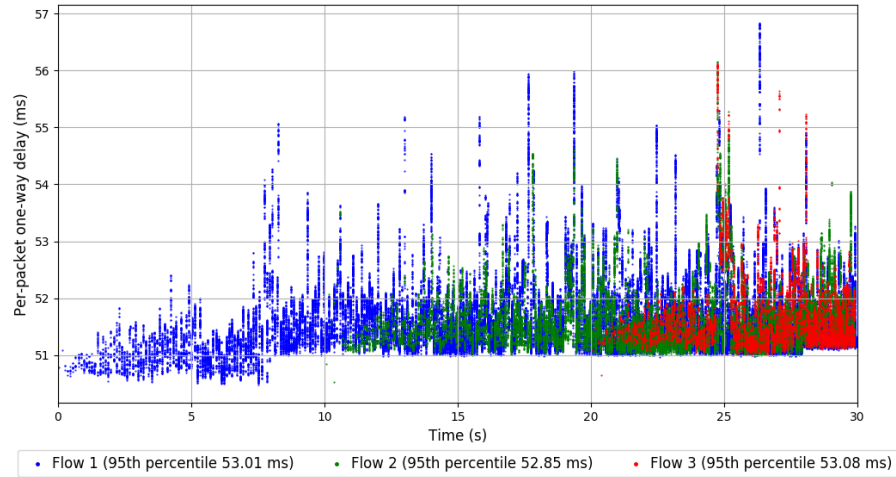
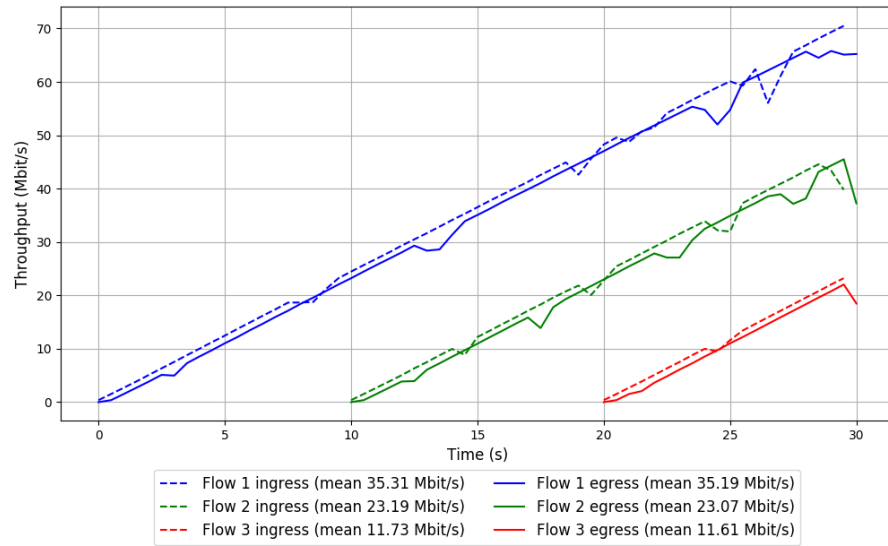
-- Flow 3:

Average throughput: 11.61 Mbit/s

95th percentile per-packet one-way delay: 53.081 ms

Loss rate: 2.04%

Run 5: Report of LEDBAT — Data Link

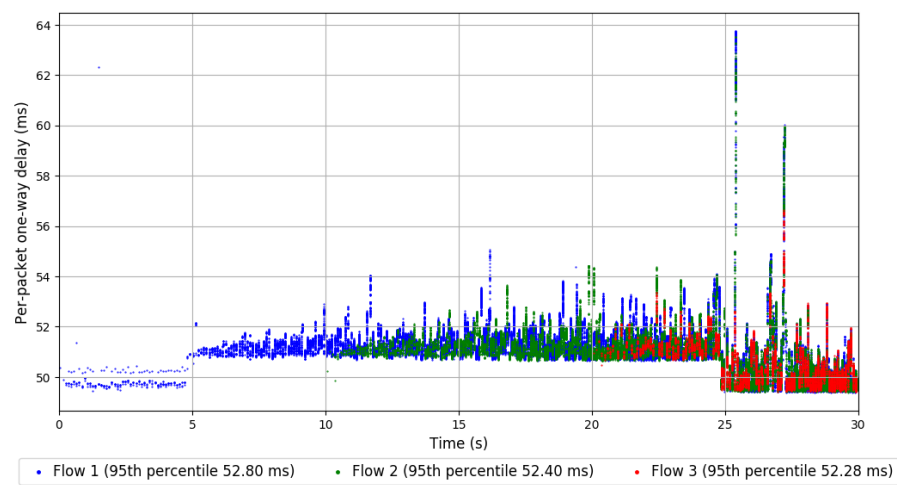
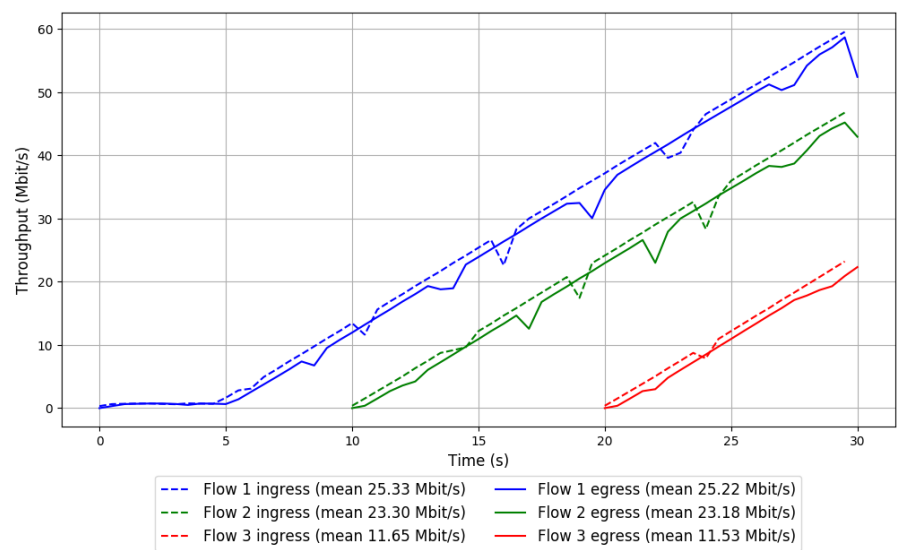


Run 6: Statistics of LEDBAT

Start at: 2018-07-12 18:42:54
End at: 2018-07-12 18:43:24
Local clock offset: -0.139 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-12 22:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.43 Mbit/s
95th percentile per-packet one-way delay: 52.602 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 25.22 Mbit/s
95th percentile per-packet one-way delay: 52.797 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 23.18 Mbit/s
95th percentile per-packet one-way delay: 52.397 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 11.53 Mbit/s
95th percentile per-packet one-way delay: 52.281 ms
Loss rate: 2.04%

Run 6: Report of LEDBAT — Data Link

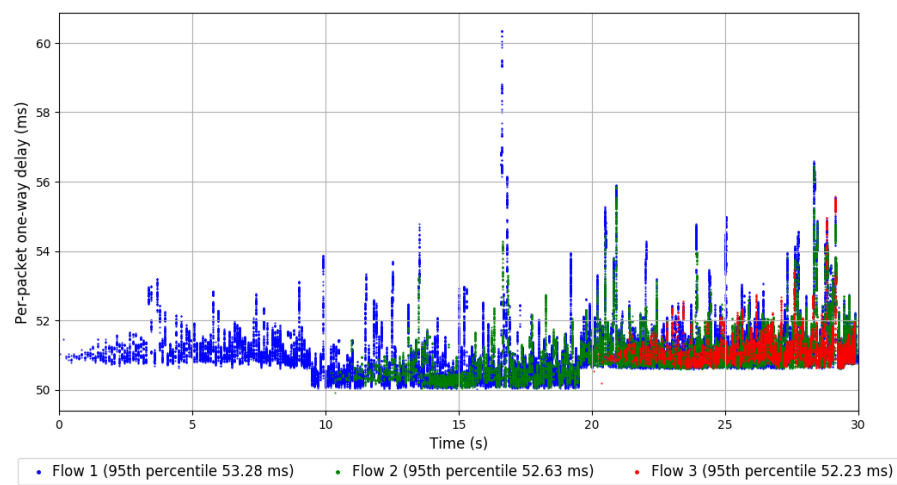
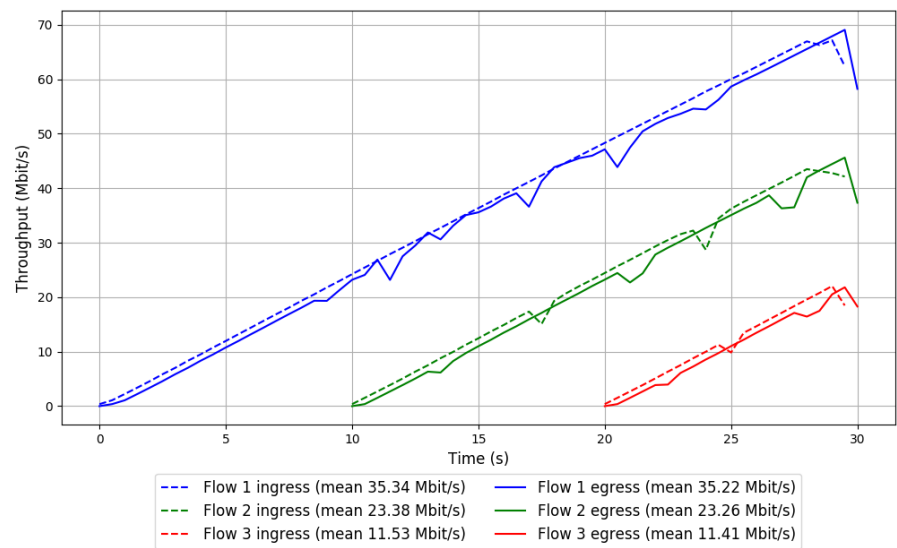


Run 7: Statistics of LEDBAT

Start at: 2018-07-12 19:06:59
End at: 2018-07-12 19:07:29
Local clock offset: -0.159 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-12 22:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.39 Mbit/s
95th percentile per-packet one-way delay: 53.009 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 35.22 Mbit/s
95th percentile per-packet one-way delay: 53.283 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 23.26 Mbit/s
95th percentile per-packet one-way delay: 52.632 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 11.41 Mbit/s
95th percentile per-packet one-way delay: 52.230 ms
Loss rate: 2.06%

Run 7: Report of LEDBAT — Data Link

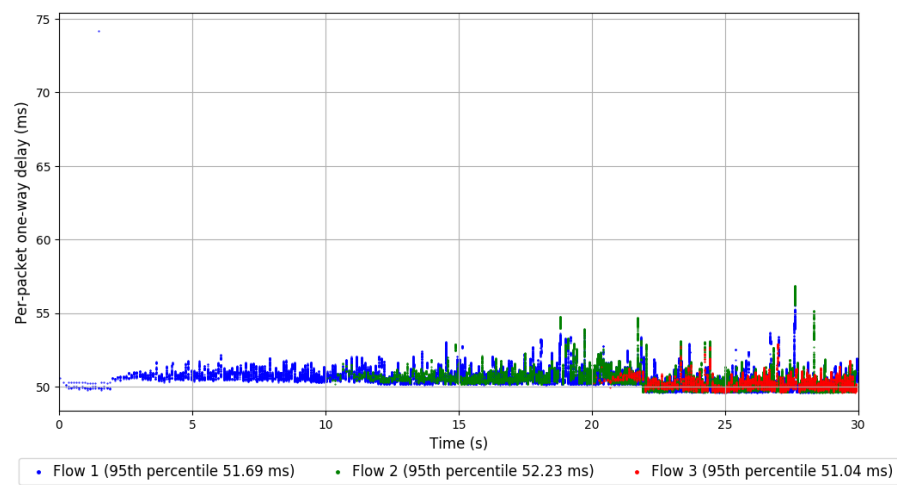
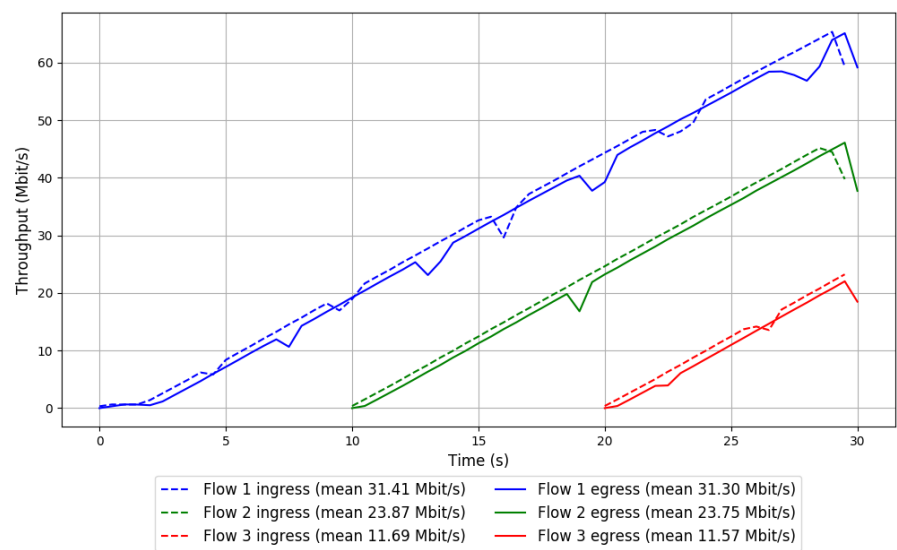


Run 8: Statistics of LEDBAT

Start at: 2018-07-12 19:31:07
End at: 2018-07-12 19:31:37
Local clock offset: -0.555 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-12 22:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.85 Mbit/s
95th percentile per-packet one-way delay: 51.754 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 31.30 Mbit/s
95th percentile per-packet one-way delay: 51.693 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 23.75 Mbit/s
95th percentile per-packet one-way delay: 52.234 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 51.036 ms
Loss rate: 2.04%

Run 8: Report of LEDBAT — Data Link

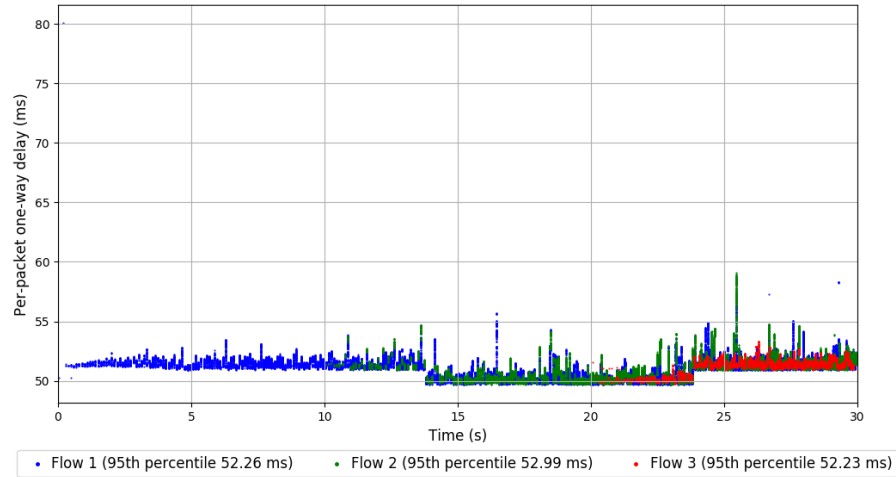
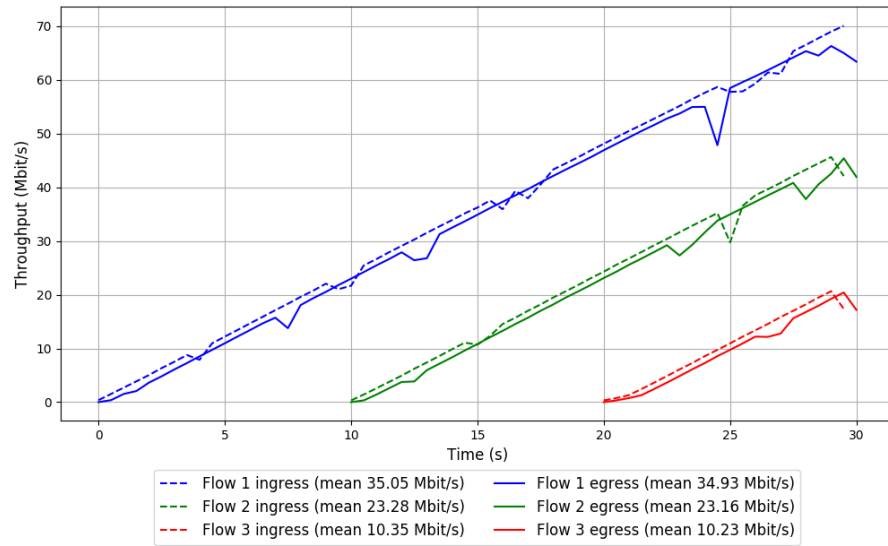


Run 9: Statistics of LEDBAT

Start at: 2018-07-12 19:55:15
End at: 2018-07-12 19:55:45
Local clock offset: 0.26 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-12 22:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.69 Mbit/s
95th percentile per-packet one-way delay: 52.418 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 34.93 Mbit/s
95th percentile per-packet one-way delay: 52.261 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 23.16 Mbit/s
95th percentile per-packet one-way delay: 52.992 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 10.23 Mbit/s
95th percentile per-packet one-way delay: 52.232 ms
Loss rate: 2.16%

Run 9: Report of LEDBAT — Data Link

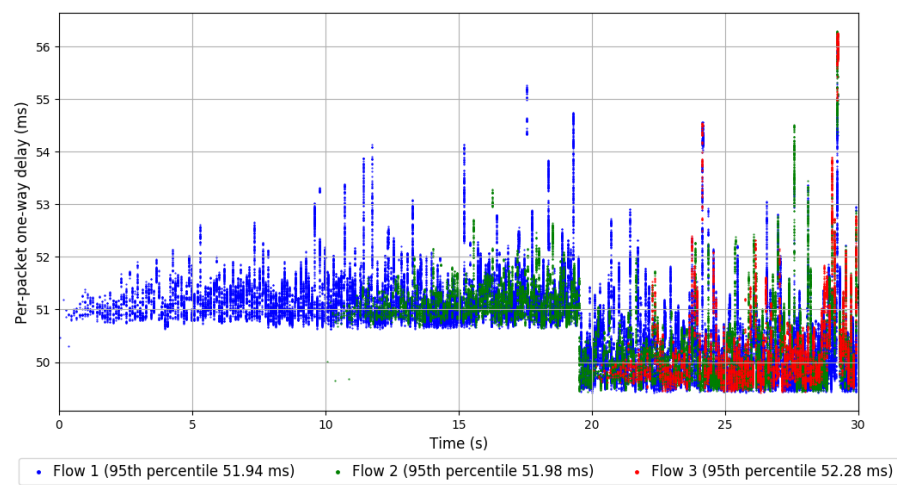
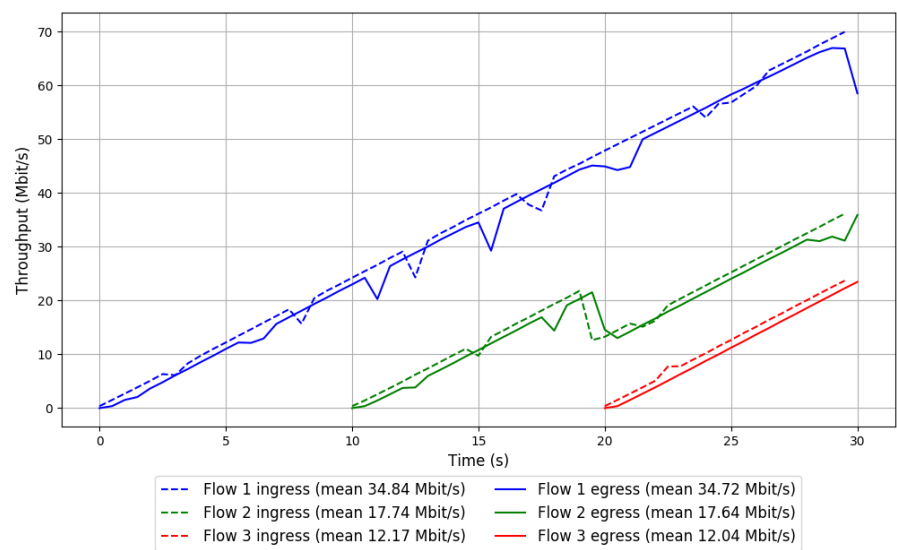


Run 10: Statistics of LEDBAT

Start at: 2018-07-12 20:19:09
End at: 2018-07-12 20:19:39
Local clock offset: -0.114 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-12 22:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.42 Mbit/s
95th percentile per-packet one-way delay: 51.968 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 34.72 Mbit/s
95th percentile per-packet one-way delay: 51.943 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 17.64 Mbit/s
95th percentile per-packet one-way delay: 51.975 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 52.278 ms
Loss rate: 2.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-12 16:48:47

End at: 2018-07-12 16:49:17

Local clock offset: -0.155 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-12 22:19:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 313.77 Mbit/s

95th percentile per-packet one-way delay: 115.461 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 292.13 Mbit/s

95th percentile per-packet one-way delay: 115.584 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 16.41 Mbit/s

95th percentile per-packet one-way delay: 114.589 ms

Loss rate: 0.84%

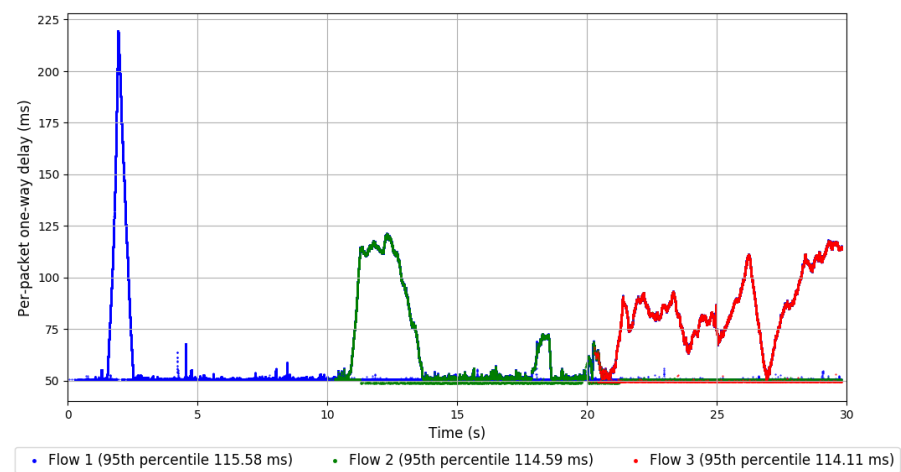
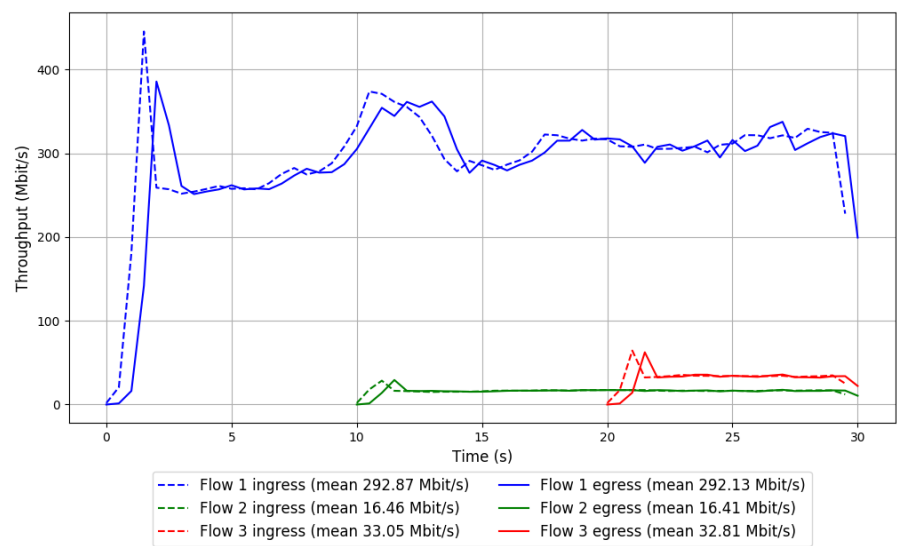
-- Flow 3:

Average throughput: 32.81 Mbit/s

95th percentile per-packet one-way delay: 114.107 ms

Loss rate: 1.72%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-12 17:12:54

End at: 2018-07-12 17:13:24

Local clock offset: -0.191 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-07-12 22:19:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 335.89 Mbit/s

95th percentile per-packet one-way delay: 169.390 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 289.24 Mbit/s

95th percentile per-packet one-way delay: 169.442 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 62.52 Mbit/s

95th percentile per-packet one-way delay: 173.209 ms

Loss rate: 0.54%

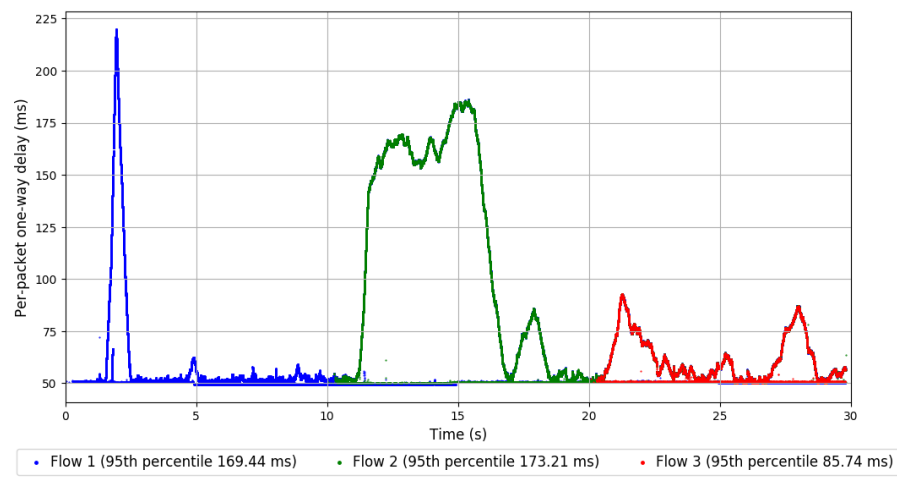
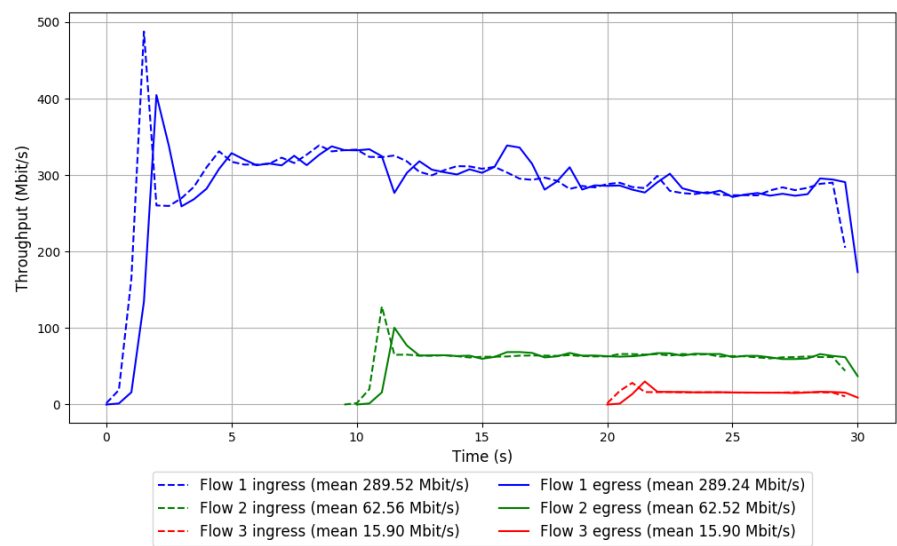
-- Flow 3:

Average throughput: 15.90 Mbit/s

95th percentile per-packet one-way delay: 85.741 ms

Loss rate: 1.03%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-12 17:36:53

End at: 2018-07-12 17:37:23

Local clock offset: 0.186 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-12 22:19:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 345.69 Mbit/s

95th percentile per-packet one-way delay: 110.649 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 319.47 Mbit/s

95th percentile per-packet one-way delay: 109.765 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 31.21 Mbit/s

95th percentile per-packet one-way delay: 111.938 ms

Loss rate: 0.52%

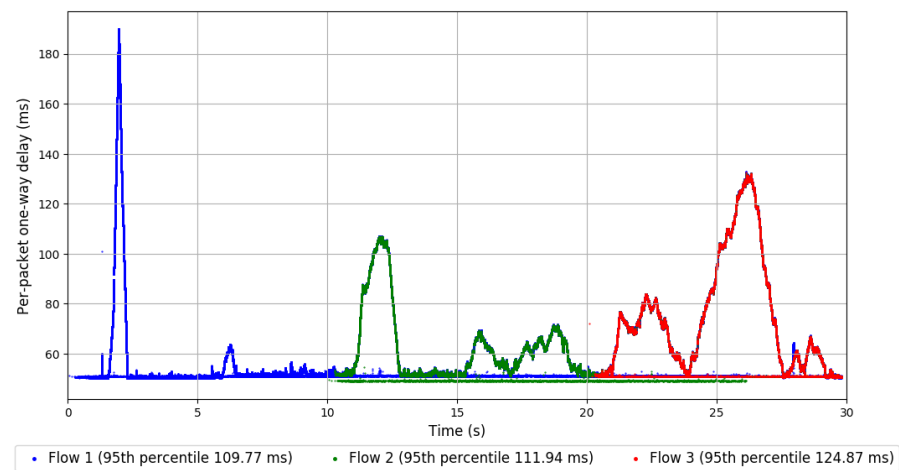
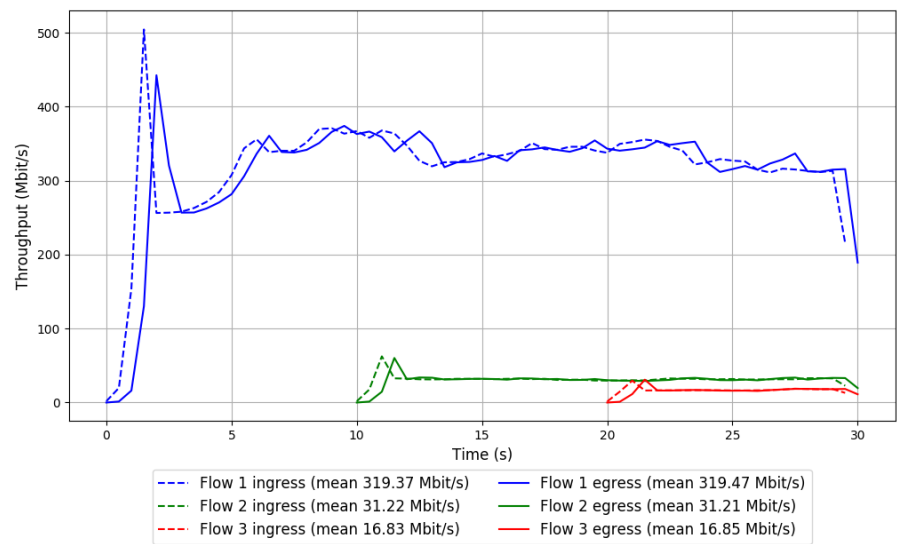
-- Flow 3:

Average throughput: 16.85 Mbit/s

95th percentile per-packet one-way delay: 124.867 ms

Loss rate: 1.14%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-12 18:01:05

End at: 2018-07-12 18:01:35

Local clock offset: -0.102 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-07-12 22:19:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 338.33 Mbit/s

95th percentile per-packet one-way delay: 106.529 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 312.58 Mbit/s

95th percentile per-packet one-way delay: 106.647 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 36.83 Mbit/s

95th percentile per-packet one-way delay: 105.680 ms

Loss rate: 0.56%

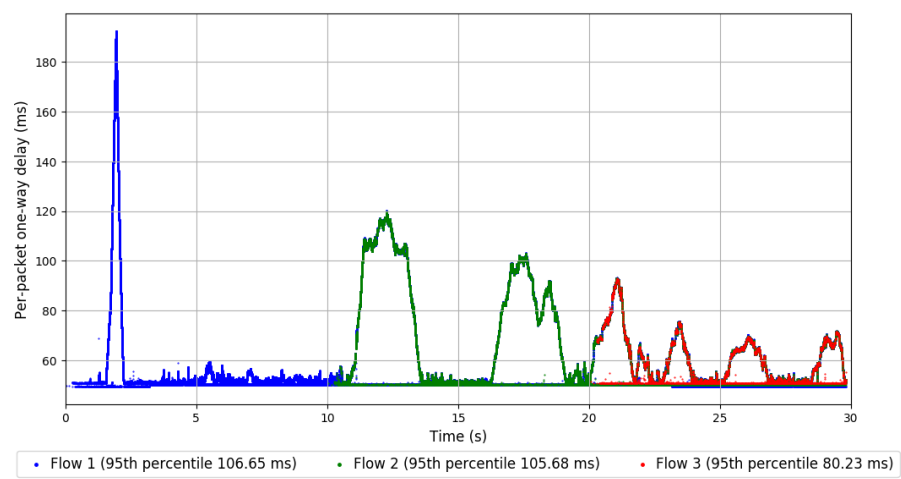
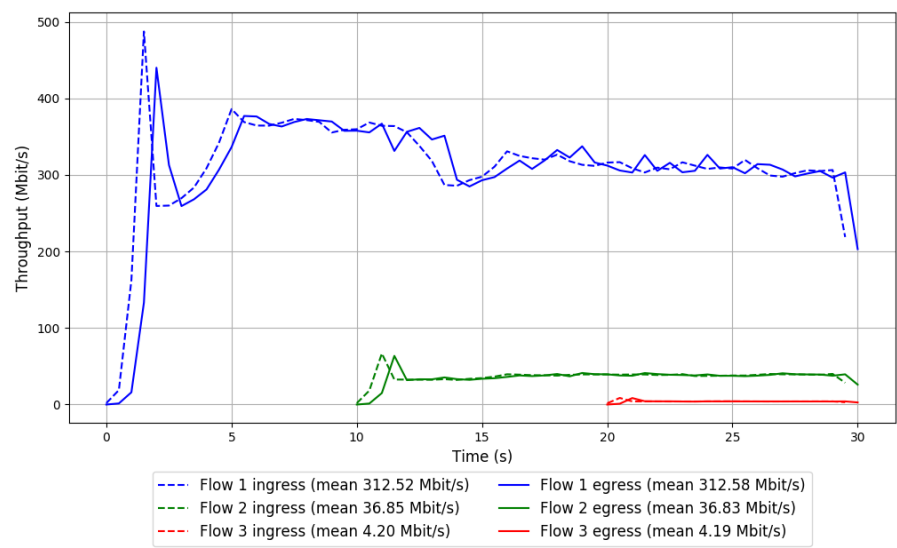
-- Flow 3:

Average throughput: 4.19 Mbit/s

95th percentile per-packet one-way delay: 80.227 ms

Loss rate: 0.99%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-12 18:25:00

End at: 2018-07-12 18:25:30

Local clock offset: -0.496 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-12 22:19:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 306.37 Mbit/s

95th percentile per-packet one-way delay: 149.641 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 261.11 Mbit/s

95th percentile per-packet one-way delay: 149.781 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 66.08 Mbit/s

95th percentile per-packet one-way delay: 148.849 ms

Loss rate: 0.59%

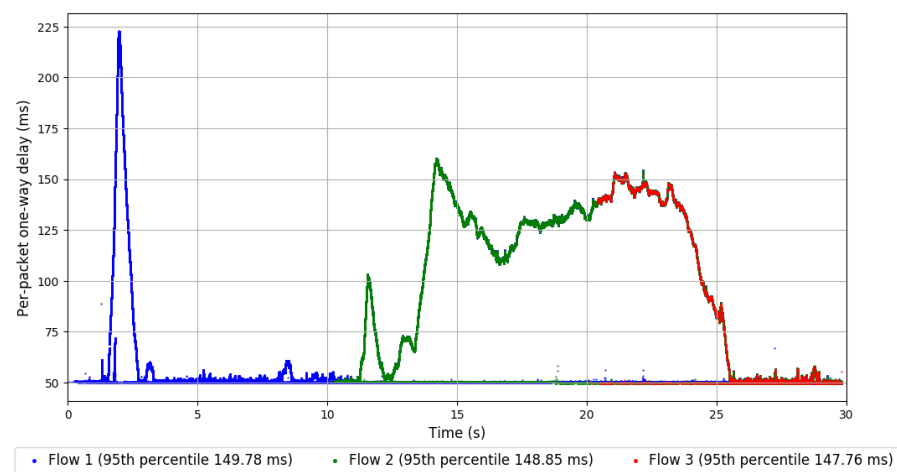
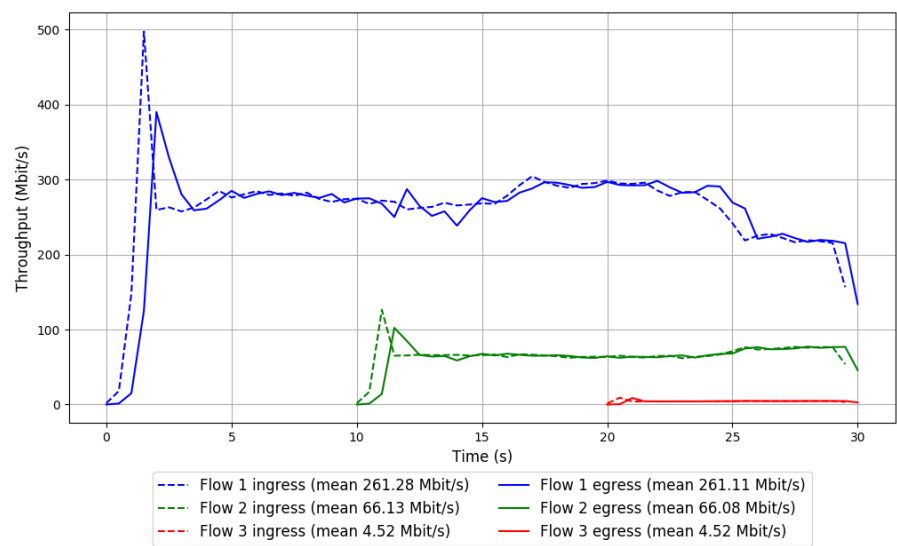
-- Flow 3:

Average throughput: 4.52 Mbit/s

95th percentile per-packet one-way delay: 147.756 ms

Loss rate: 1.09%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-12 18:48:46

End at: 2018-07-12 18:49:16

Local clock offset: -0.556 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-12 22:21:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 333.54 Mbit/s

95th percentile per-packet one-way delay: 201.785 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 279.91 Mbit/s

95th percentile per-packet one-way delay: 200.575 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 16.76 Mbit/s

95th percentile per-packet one-way delay: 202.582 ms

Loss rate: 0.80%

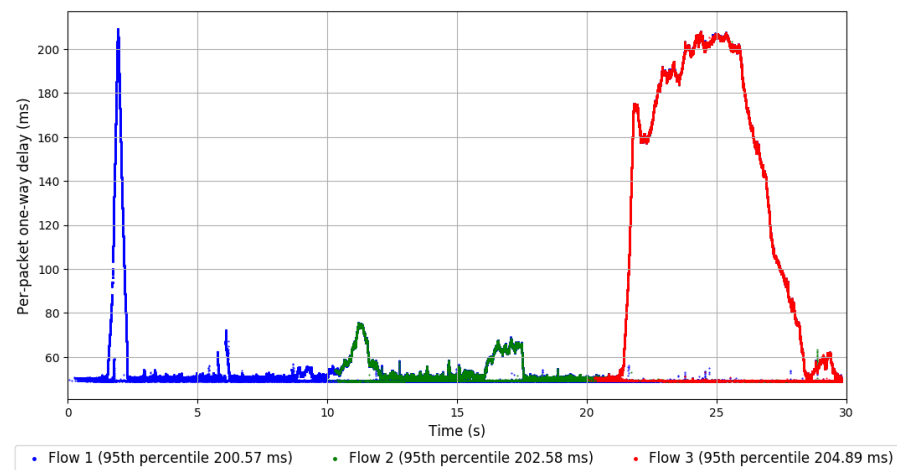
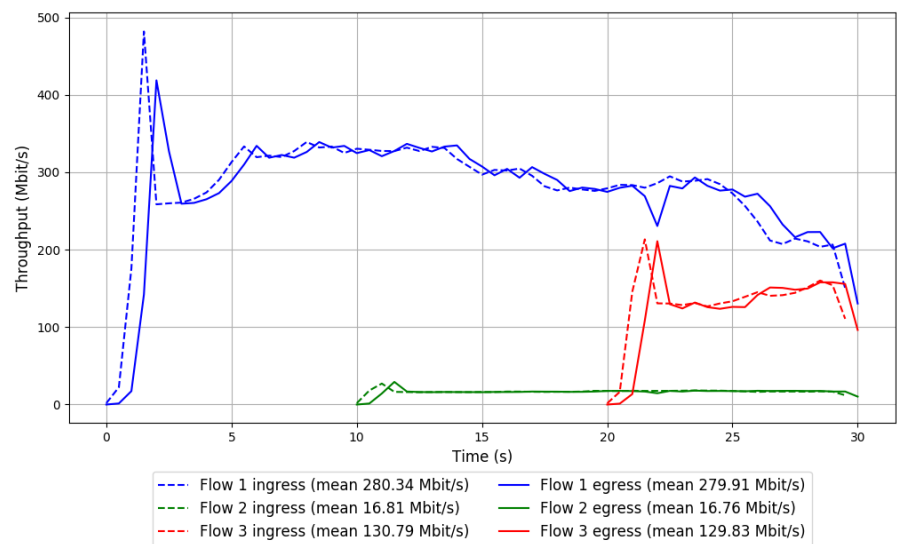
-- Flow 3:

Average throughput: 129.83 Mbit/s

95th percentile per-packet one-way delay: 204.888 ms

Loss rate: 1.74%

Run 6: Report of PCC-Allegro — Data Link

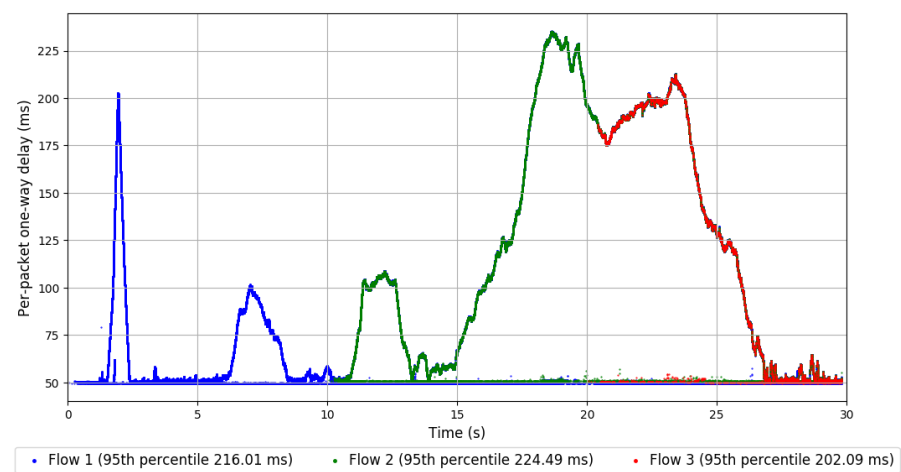
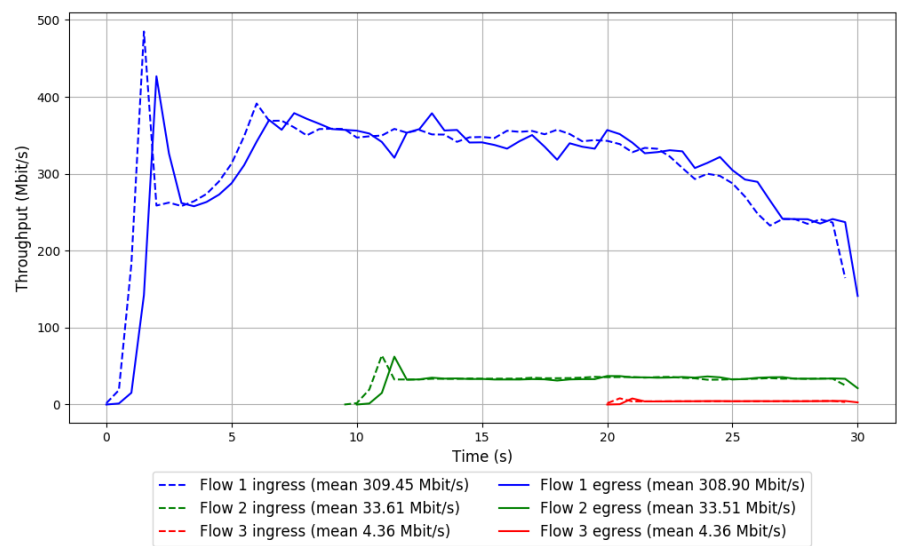


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-12 19:12:55
End at: 2018-07-12 19:13:25
Local clock offset: -0.153 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-12 22:22:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.56 Mbit/s
95th percentile per-packet one-way delay: 216.453 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 308.90 Mbit/s
95th percentile per-packet one-way delay: 216.010 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 33.51 Mbit/s
95th percentile per-packet one-way delay: 224.488 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 202.092 ms
Loss rate: 1.10%

Run 7: Report of PCC-Allegro — Data Link

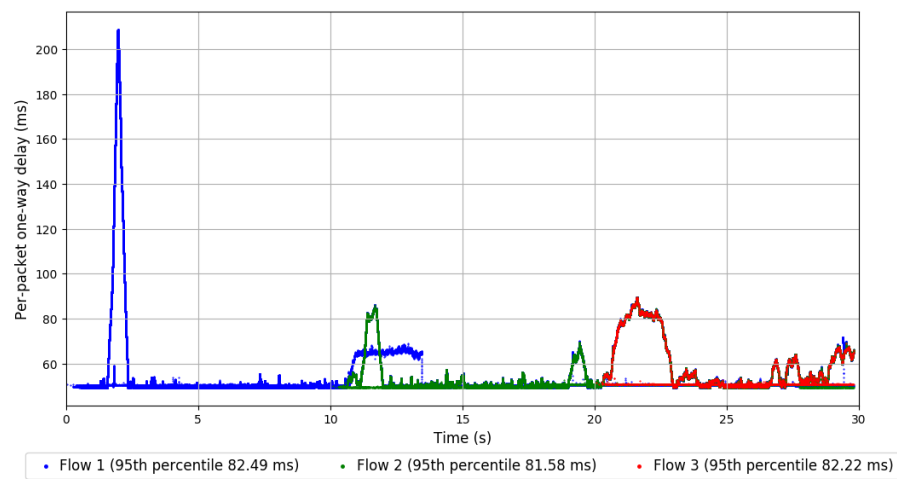
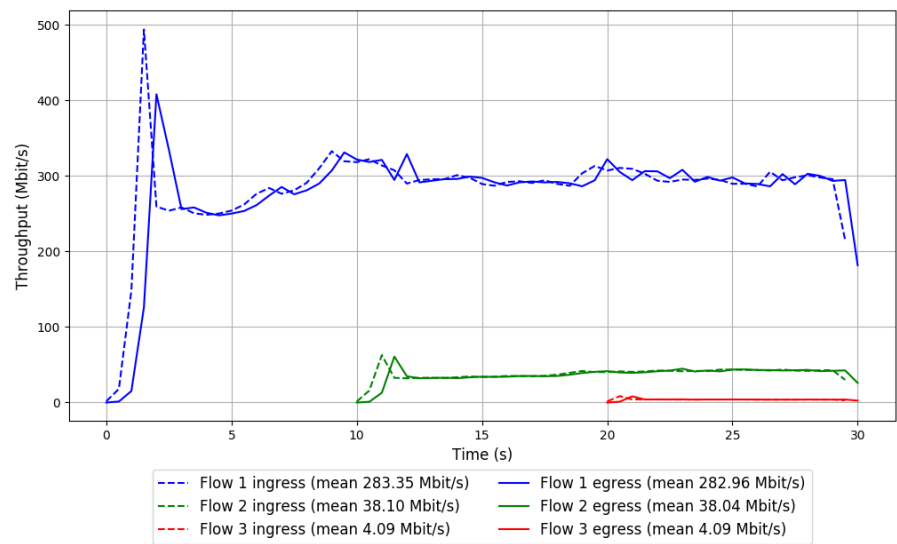


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-12 19:37:01
End at: 2018-07-12 19:37:31
Local clock offset: -0.138 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-12 22:22:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 309.50 Mbit/s
95th percentile per-packet one-way delay: 82.366 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 282.96 Mbit/s
95th percentile per-packet one-way delay: 82.494 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 38.04 Mbit/s
95th percentile per-packet one-way delay: 81.576 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 82.220 ms
Loss rate: 1.19%

Run 8: Report of PCC-Allegro — Data Link

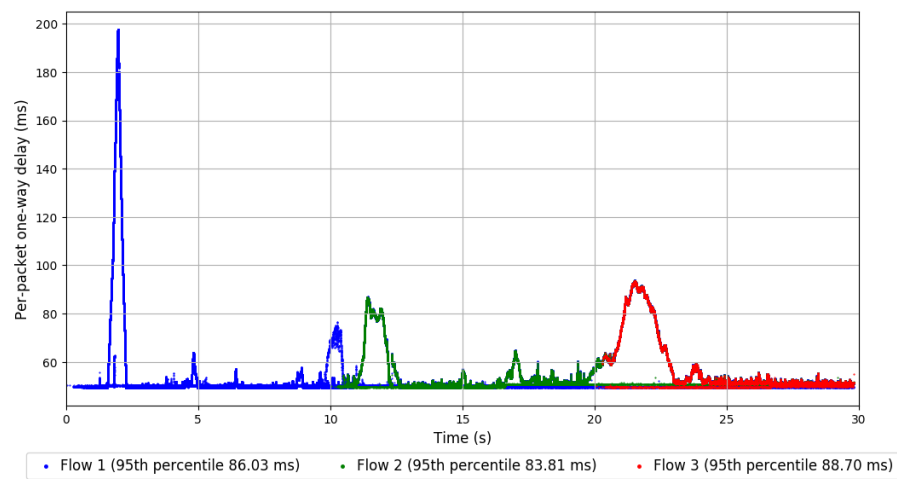
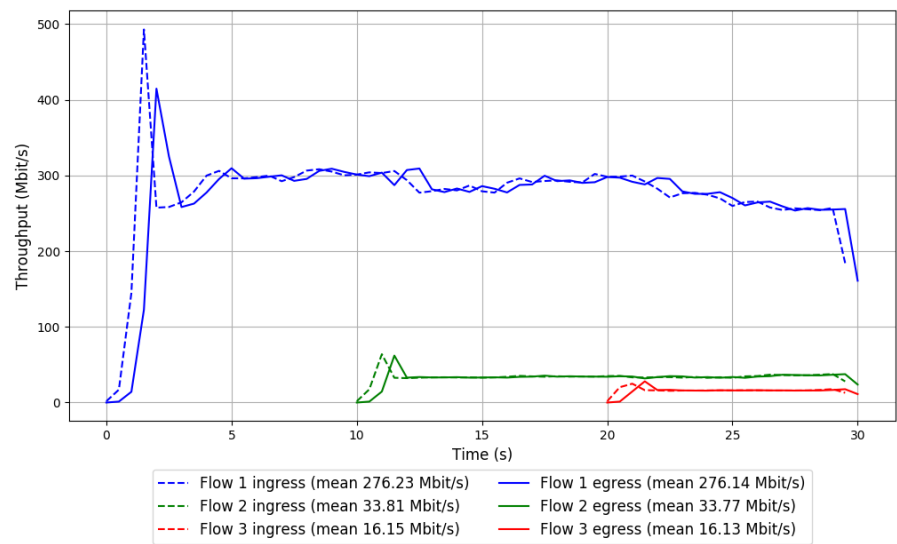


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-12 20:01:02
End at: 2018-07-12 20:01:32
Local clock offset: -0.106 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-12 22:23:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 303.79 Mbit/s
95th percentile per-packet one-way delay: 85.894 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 276.14 Mbit/s
95th percentile per-packet one-way delay: 86.032 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 33.77 Mbit/s
95th percentile per-packet one-way delay: 83.808 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 16.13 Mbit/s
95th percentile per-packet one-way delay: 88.703 ms
Loss rate: 1.14%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-12 20:24:56

End at: 2018-07-12 20:25:26

Local clock offset: -0.12 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-12 22:23:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 305.44 Mbit/s

95th percentile per-packet one-way delay: 87.436 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 273.75 Mbit/s

95th percentile per-packet one-way delay: 87.577 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 32.07 Mbit/s

95th percentile per-packet one-way delay: 86.124 ms

Loss rate: 0.54%

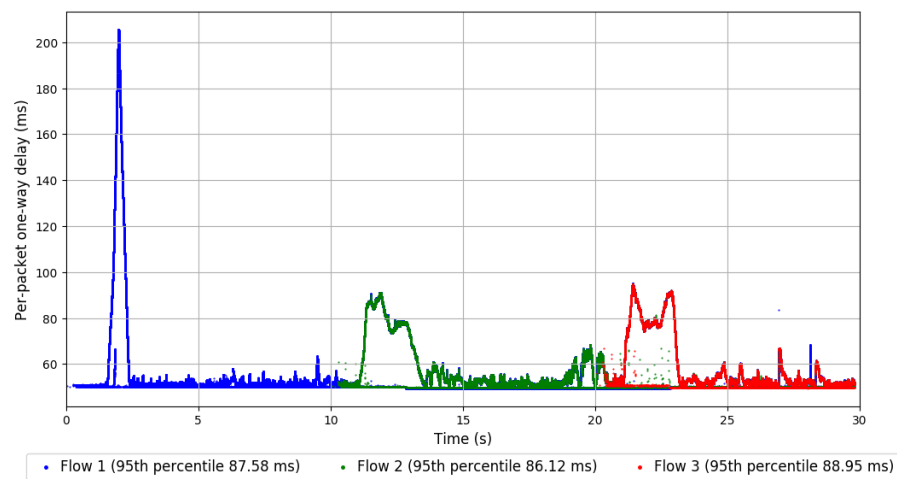
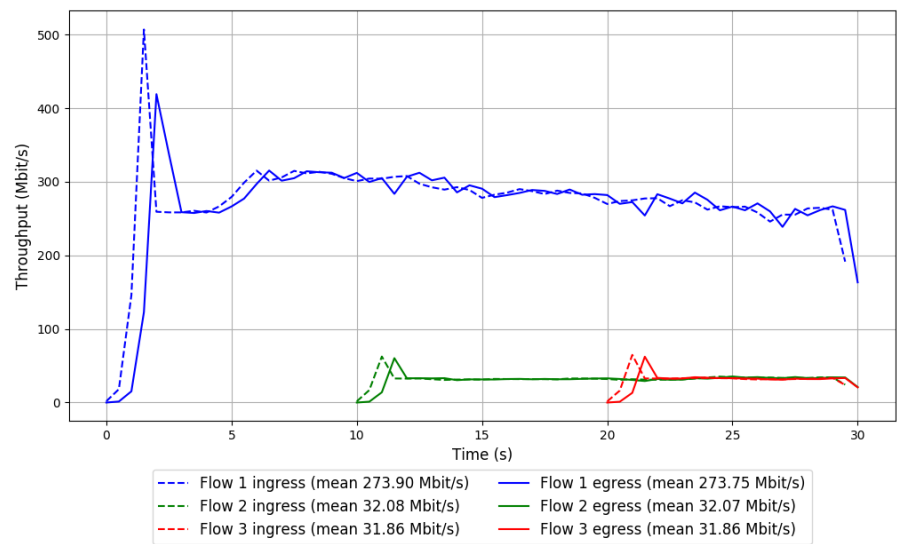
-- Flow 3:

Average throughput: 31.86 Mbit/s

95th percentile per-packet one-way delay: 88.949 ms

Loss rate: 1.08%

Run 10: Report of PCC-Allegro — Data Link

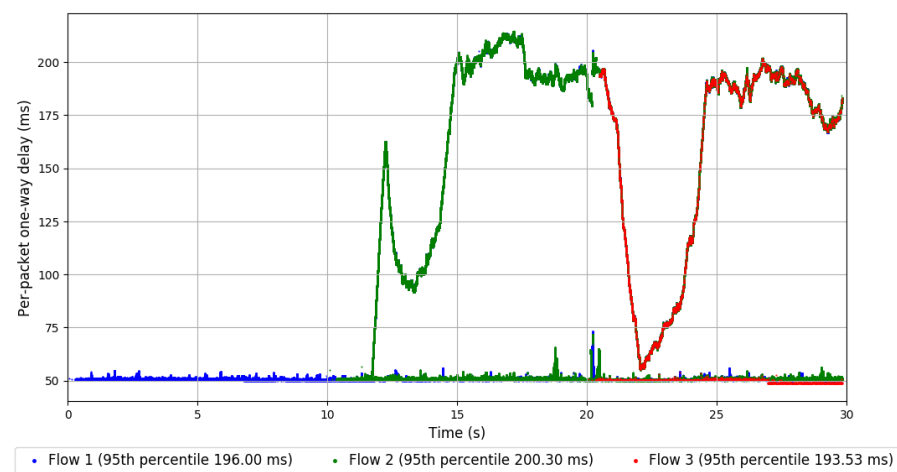
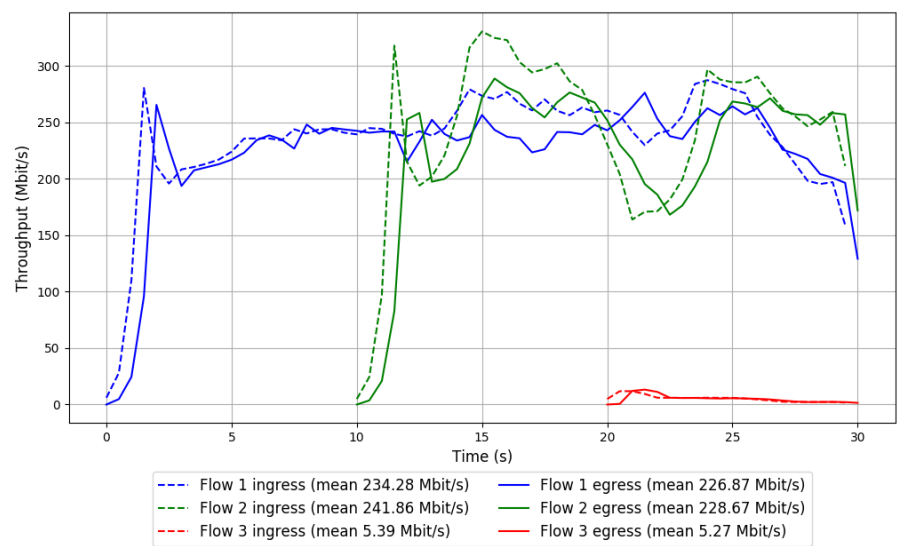


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-12 16:39:32
End at: 2018-07-12 16:40:02
Local clock offset: -0.175 ms
Remote clock offset: 0.029 ms

# Below is generated by plot.py at 2018-07-12 22:31:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 380.26 Mbit/s
95th percentile per-packet one-way delay: 197.144 ms
Loss rate: 4.49%
-- Flow 1:
Average throughput: 226.87 Mbit/s
95th percentile per-packet one-way delay: 195.999 ms
Loss rate: 3.49%
-- Flow 2:
Average throughput: 228.67 Mbit/s
95th percentile per-packet one-way delay: 200.300 ms
Loss rate: 5.96%
-- Flow 3:
Average throughput: 5.27 Mbit/s
95th percentile per-packet one-way delay: 193.532 ms
Loss rate: 3.16%
```


Run 1: Report of PCC-Expr — Data Link

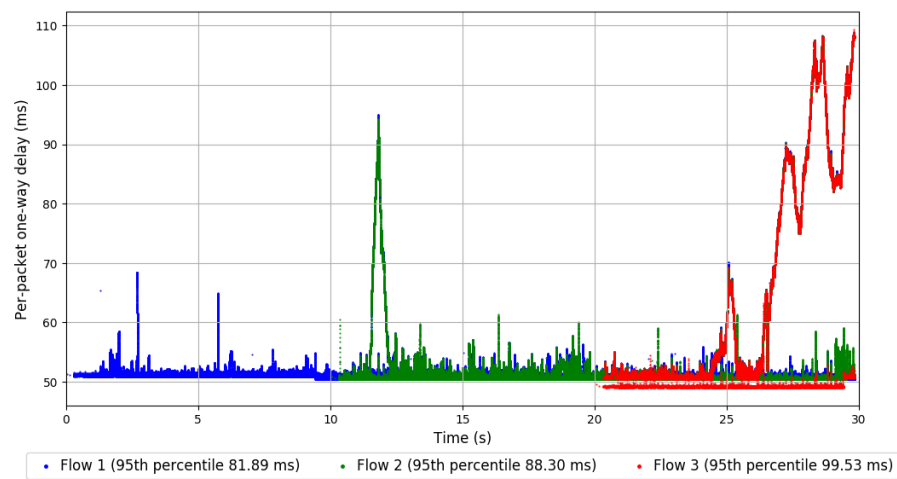
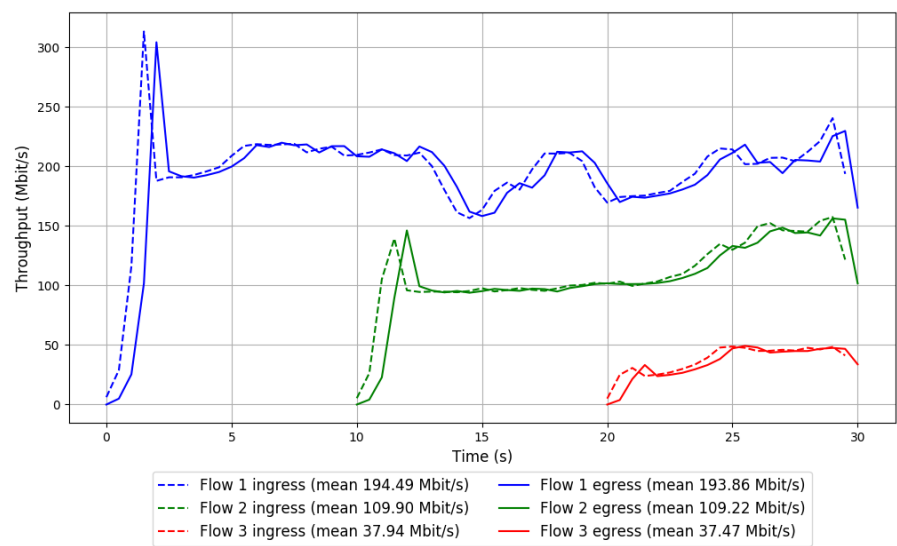


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-12 17:03:49
End at: 2018-07-12 17:04:19
Local clock offset: 0.229 ms
Remote clock offset: 0.079 ms

# Below is generated by plot.py at 2018-07-12 22:31:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 278.63 Mbit/s
95th percentile per-packet one-way delay: 85.268 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 193.86 Mbit/s
95th percentile per-packet one-way delay: 81.894 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 109.22 Mbit/s
95th percentile per-packet one-way delay: 88.296 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 37.47 Mbit/s
95th percentile per-packet one-way delay: 99.525 ms
Loss rate: 2.25%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-12 17:27:55

End at: 2018-07-12 17:28:25

Local clock offset: -0.108 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-12 22:31:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 251.16 Mbit/s

95th percentile per-packet one-way delay: 53.916 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 156.52 Mbit/s

95th percentile per-packet one-way delay: 53.280 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 135.43 Mbit/s

95th percentile per-packet one-way delay: 54.582 ms

Loss rate: 0.57%

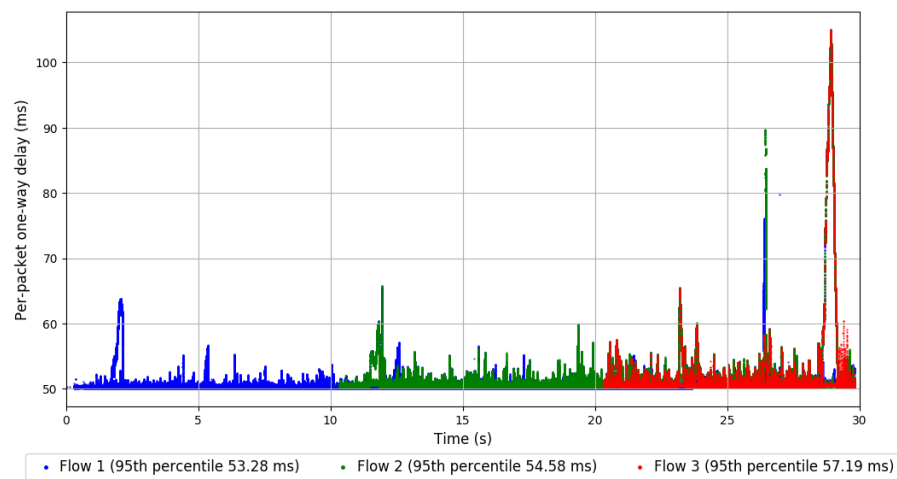
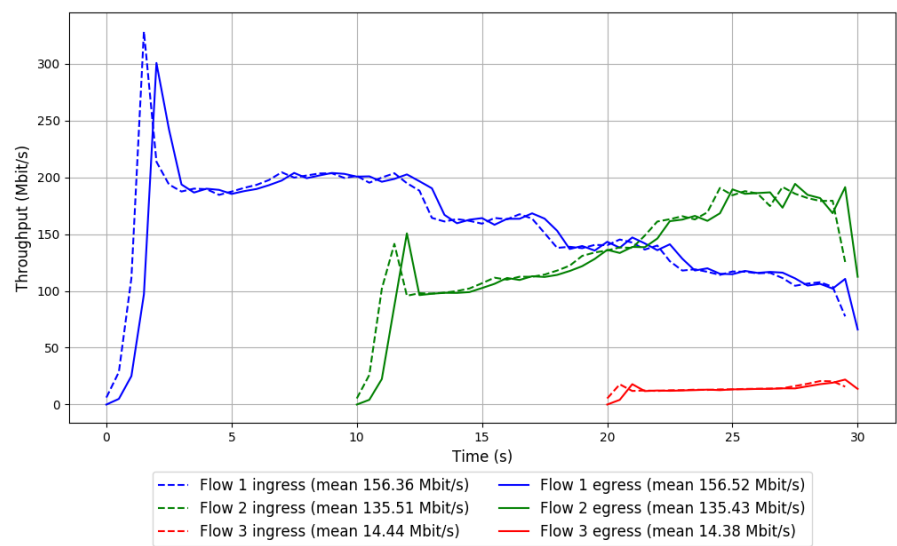
-- Flow 3:

Average throughput: 14.38 Mbit/s

95th percentile per-packet one-way delay: 57.190 ms

Loss rate: 1.40%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-12 17:51:58

End at: 2018-07-12 17:52:28

Local clock offset: 0.192 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-12 22:31:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 284.02 Mbit/s

95th percentile per-packet one-way delay: 53.728 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 179.93 Mbit/s

95th percentile per-packet one-way delay: 52.709 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 129.17 Mbit/s

95th percentile per-packet one-way delay: 55.781 ms

Loss rate: 0.43%

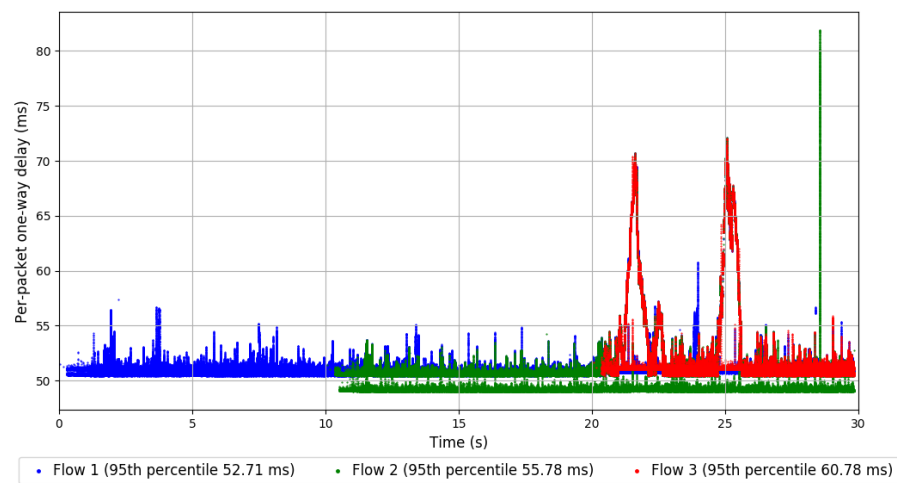
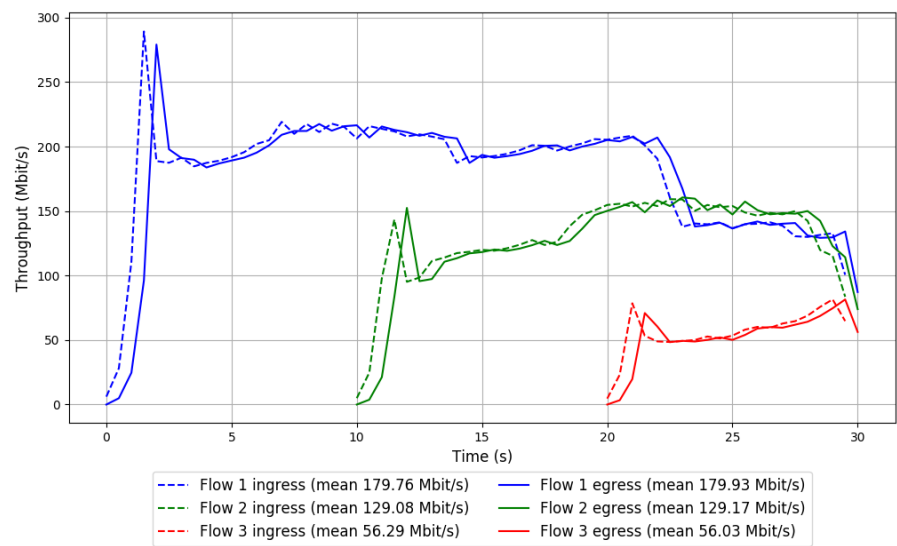
-- Flow 3:

Average throughput: 56.03 Mbit/s

95th percentile per-packet one-way delay: 60.777 ms

Loss rate: 1.49%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-12 18:16:02

End at: 2018-07-12 18:16:32

Local clock offset: -0.51 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-07-12 22:31:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 245.72 Mbit/s

95th percentile per-packet one-way delay: 54.232 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 175.18 Mbit/s

95th percentile per-packet one-way delay: 54.029 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 80.63 Mbit/s

95th percentile per-packet one-way delay: 54.447 ms

Loss rate: 0.58%

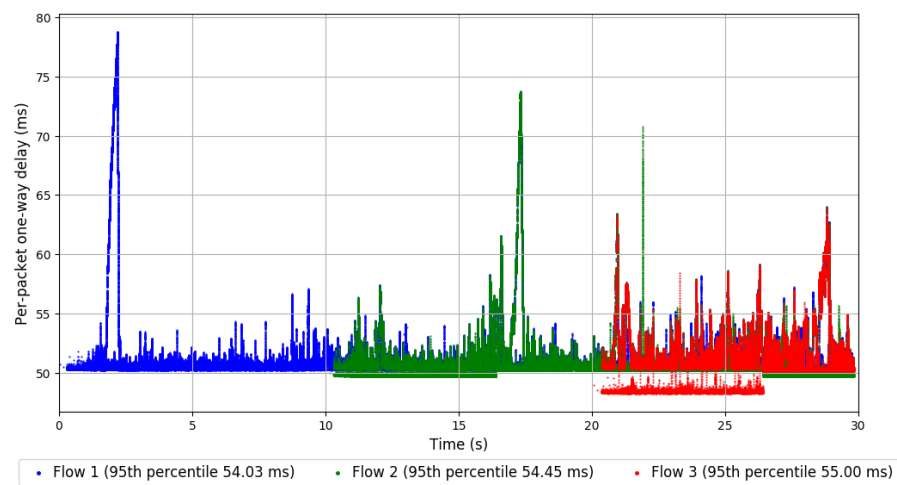
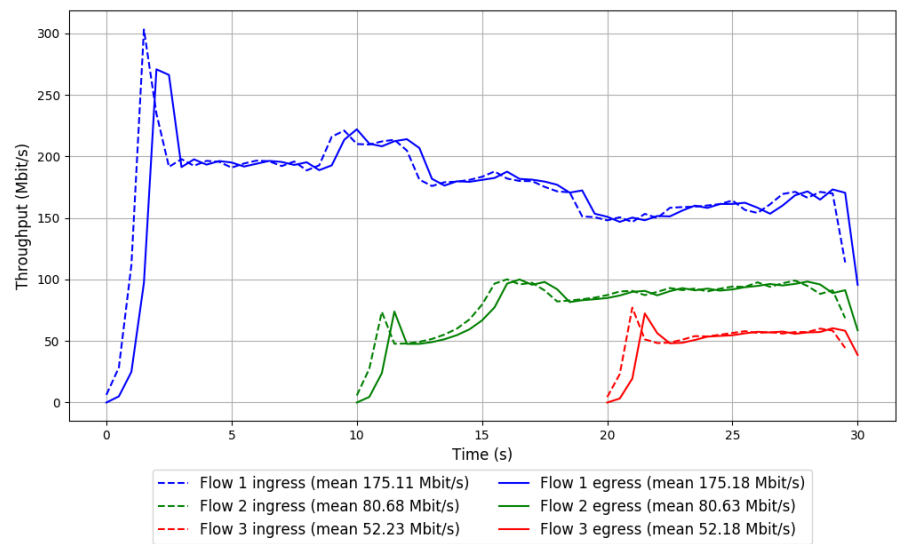
-- Flow 3:

Average throughput: 52.18 Mbit/s

95th percentile per-packet one-way delay: 55.001 ms

Loss rate: 1.13%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-12 18:39:43

End at: 2018-07-12 18:40:13

Local clock offset: 0.248 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-12 22:32:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 290.08 Mbit/s

95th percentile per-packet one-way delay: 76.387 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 195.42 Mbit/s

95th percentile per-packet one-way delay: 73.604 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 129.20 Mbit/s

95th percentile per-packet one-way delay: 78.539 ms

Loss rate: 1.07%

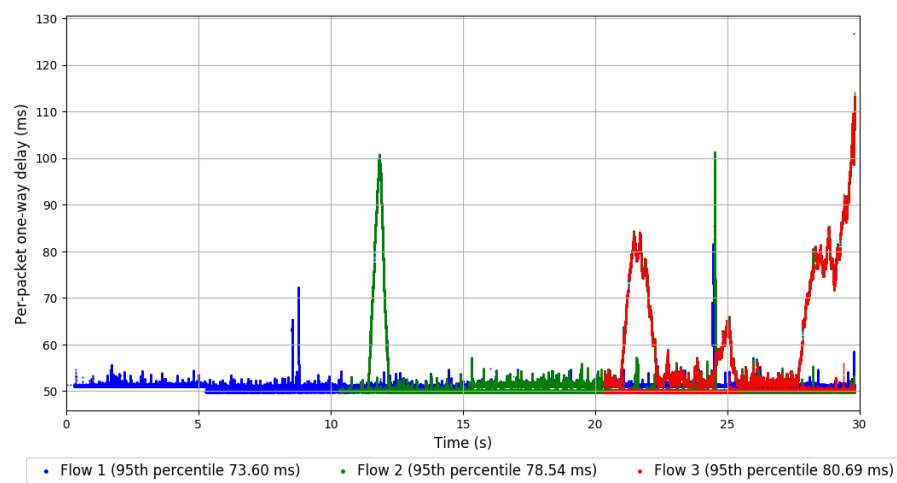
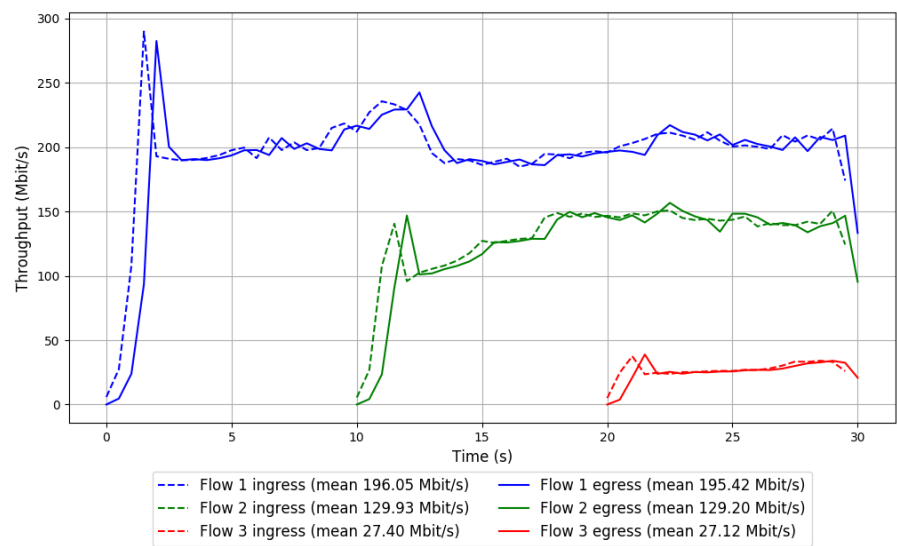
-- Flow 3:

Average throughput: 27.12 Mbit/s

95th percentile per-packet one-way delay: 80.692 ms

Loss rate: 2.03%

Run 6: Report of PCC-Expr — Data Link

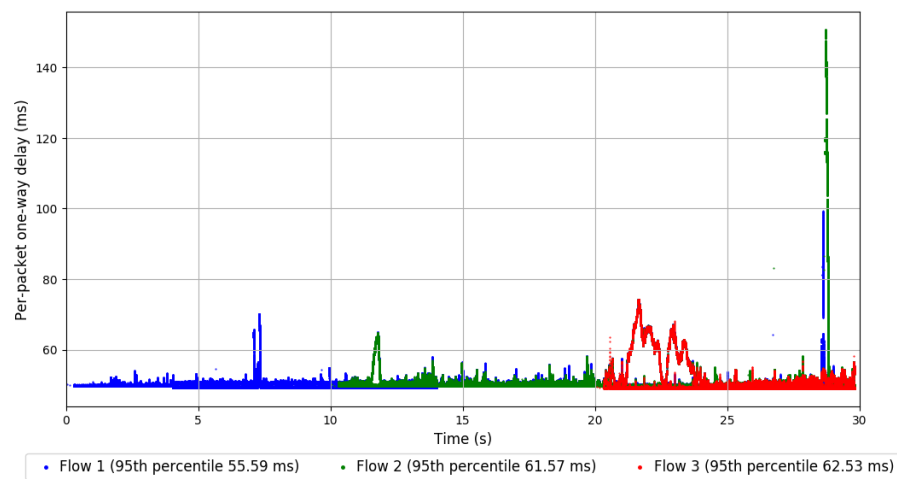
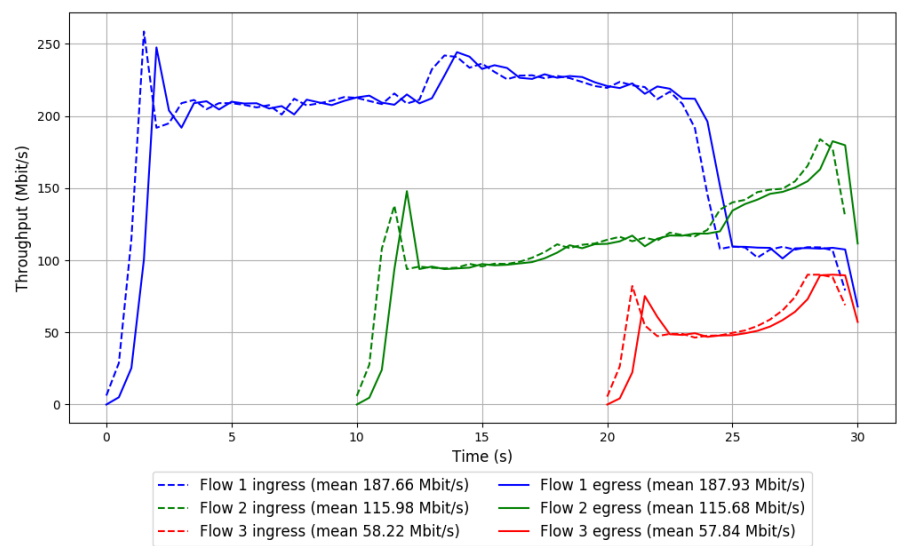


Run 7: Statistics of PCC-Expr

Start at: 2018-07-12 19:03:45
End at: 2018-07-12 19:04:15
Local clock offset: -0.473 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-12 22:32:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 283.69 Mbit/s
95th percentile per-packet one-way delay: 58.324 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 187.93 Mbit/s
95th percentile per-packet one-way delay: 55.589 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 115.68 Mbit/s
95th percentile per-packet one-way delay: 61.571 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 57.84 Mbit/s
95th percentile per-packet one-way delay: 62.529 ms
Loss rate: 1.68%

Run 7: Report of PCC-Expr — Data Link

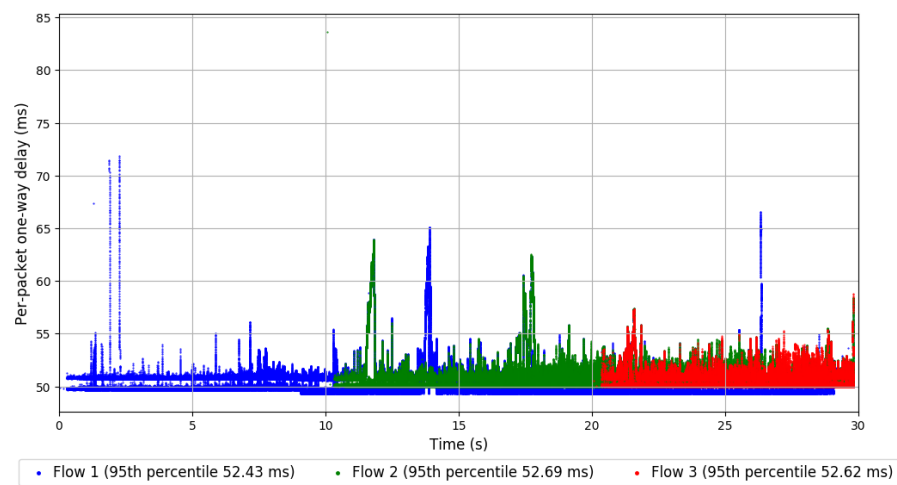
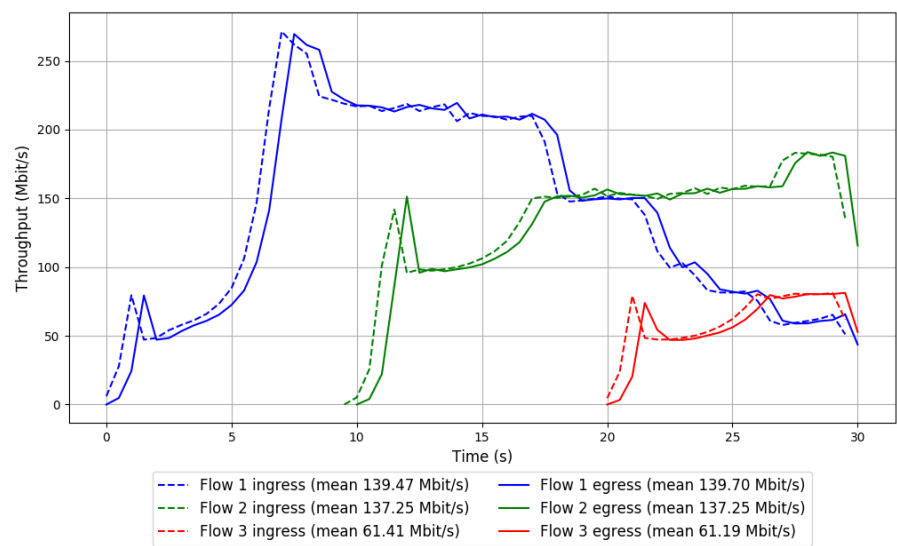


Run 8: Statistics of PCC-Expr

Start at: 2018-07-12 19:27:50
End at: 2018-07-12 19:28:20
Local clock offset: -0.142 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-12 22:32:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 250.80 Mbit/s
95th percentile per-packet one-way delay: 52.555 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 139.70 Mbit/s
95th percentile per-packet one-way delay: 52.434 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 137.25 Mbit/s
95th percentile per-packet one-way delay: 52.694 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 61.19 Mbit/s
95th percentile per-packet one-way delay: 52.625 ms
Loss rate: 1.41%

Run 8: Report of PCC-Expr — Data Link

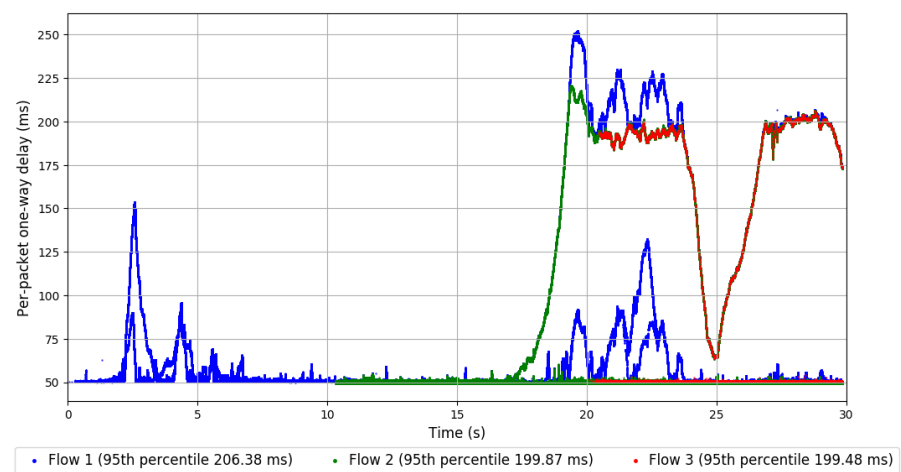
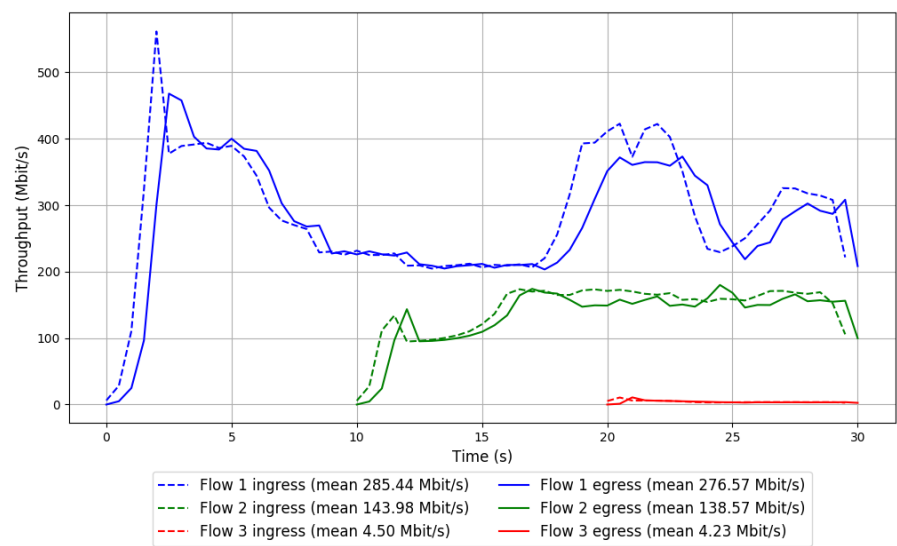


Run 9: Statistics of PCC-Expr

Start at: 2018-07-12 19:52:00
End at: 2018-07-12 19:52:30
Local clock offset: -0.115 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-12 22:40:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 369.92 Mbit/s
95th percentile per-packet one-way delay: 202.846 ms
Loss rate: 3.65%
-- Flow 1:
Average throughput: 276.57 Mbit/s
95th percentile per-packet one-way delay: 206.385 ms
Loss rate: 3.44%
-- Flow 2:
Average throughput: 138.57 Mbit/s
95th percentile per-packet one-way delay: 199.871 ms
Loss rate: 4.25%
-- Flow 3:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 199.481 ms
Loss rate: 6.94%

Run 9: Report of PCC-Expr — Data Link

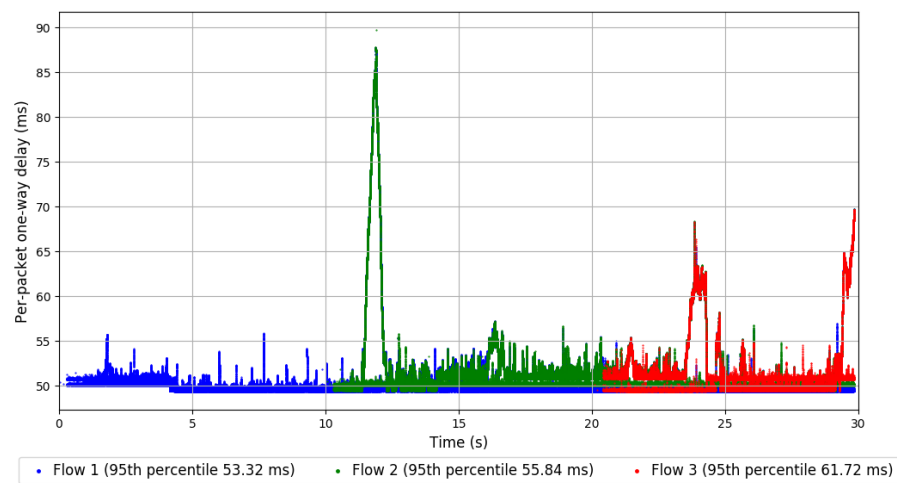
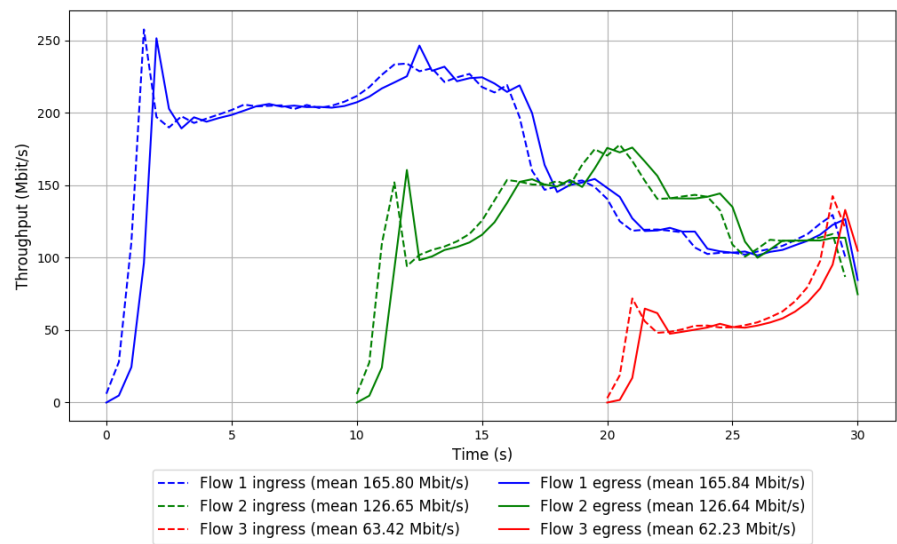


Run 10: Statistics of PCC-Expr

Start at: 2018-07-12 20:15:55
End at: 2018-07-12 20:16:25
Local clock offset: -0.113 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-12 22:40:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 270.27 Mbit/s
95th percentile per-packet one-way delay: 54.574 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 165.84 Mbit/s
95th percentile per-packet one-way delay: 53.323 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 126.64 Mbit/s
95th percentile per-packet one-way delay: 55.844 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 62.23 Mbit/s
95th percentile per-packet one-way delay: 61.724 ms
Loss rate: 2.88%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-12 16:56:01

End at: 2018-07-12 16:56:31

Local clock offset: 0.184 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-12 22:40:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 136.49 Mbit/s

95th percentile per-packet one-way delay: 51.171 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 71.74 Mbit/s

95th percentile per-packet one-way delay: 50.241 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 65.62 Mbit/s

95th percentile per-packet one-way delay: 51.218 ms

Loss rate: 0.51%

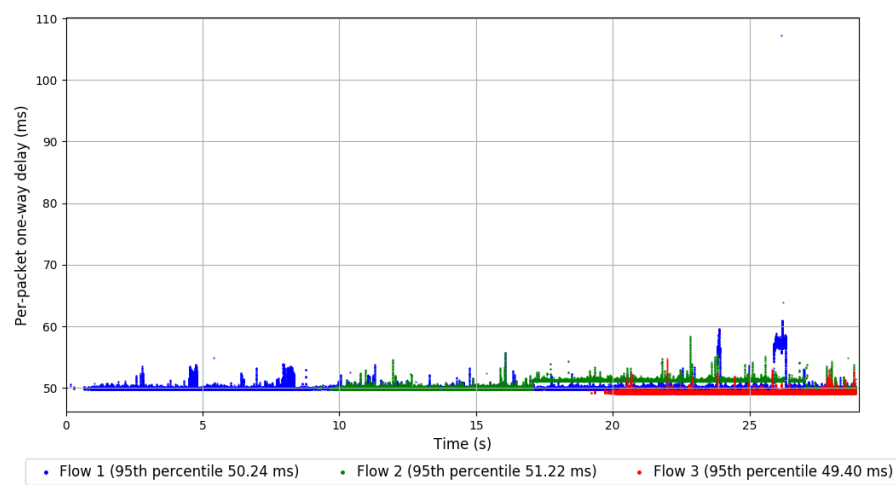
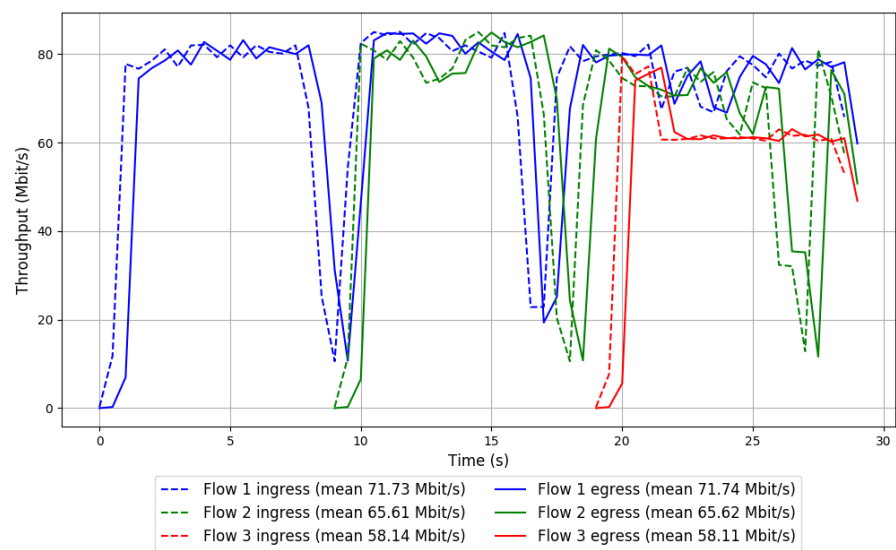
-- Flow 3:

Average throughput: 58.11 Mbit/s

95th percentile per-packet one-way delay: 49.403 ms

Loss rate: 1.07%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-12 17:20:10

End at: 2018-07-12 17:20:40

Local clock offset: -0.523 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-12 22:40:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 135.32 Mbit/s

95th percentile per-packet one-way delay: 50.396 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 74.83 Mbit/s

95th percentile per-packet one-way delay: 50.383 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 67.76 Mbit/s

95th percentile per-packet one-way delay: 50.435 ms

Loss rate: 0.53%

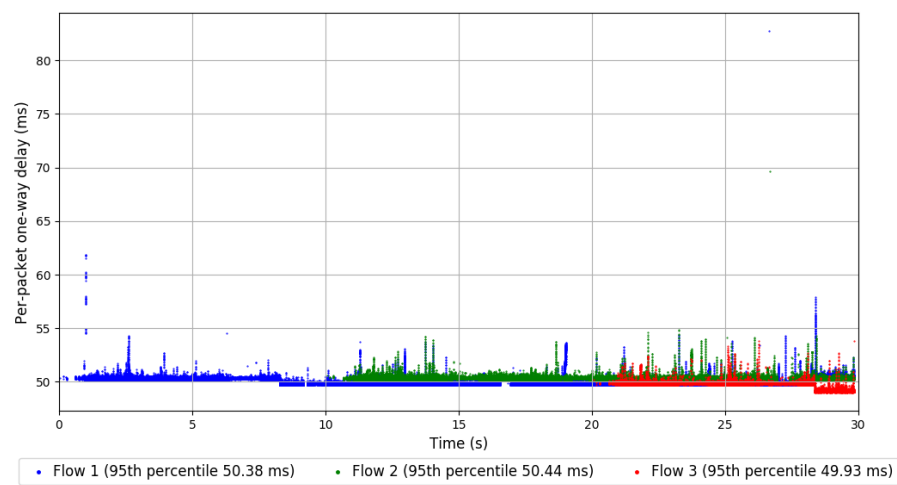
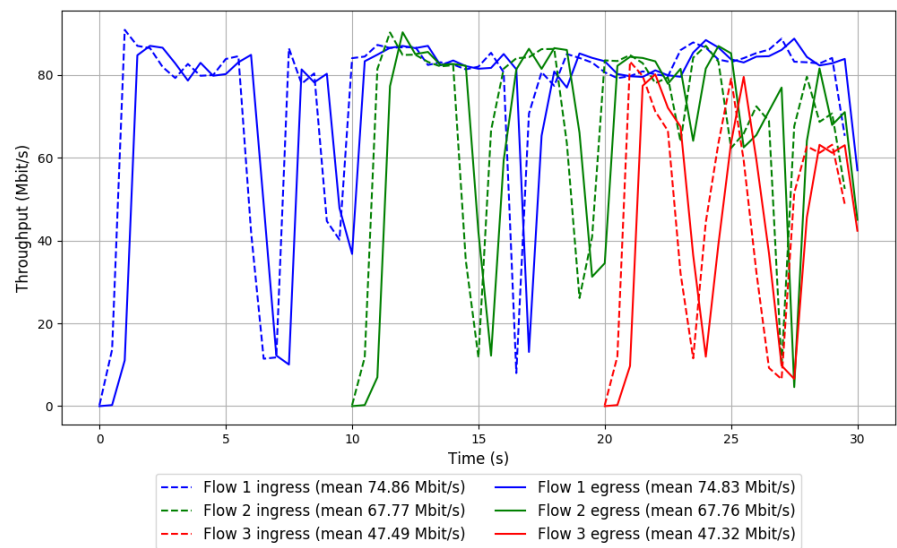
-- Flow 3:

Average throughput: 47.32 Mbit/s

95th percentile per-packet one-way delay: 49.934 ms

Loss rate: 1.35%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-12 17:44:12

End at: 2018-07-12 17:44:42

Local clock offset: -0.155 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-07-12 22:40:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 134.73 Mbit/s

95th percentile per-packet one-way delay: 50.830 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 72.86 Mbit/s

95th percentile per-packet one-way delay: 50.742 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 67.76 Mbit/s

95th percentile per-packet one-way delay: 50.877 ms

Loss rate: 0.59%

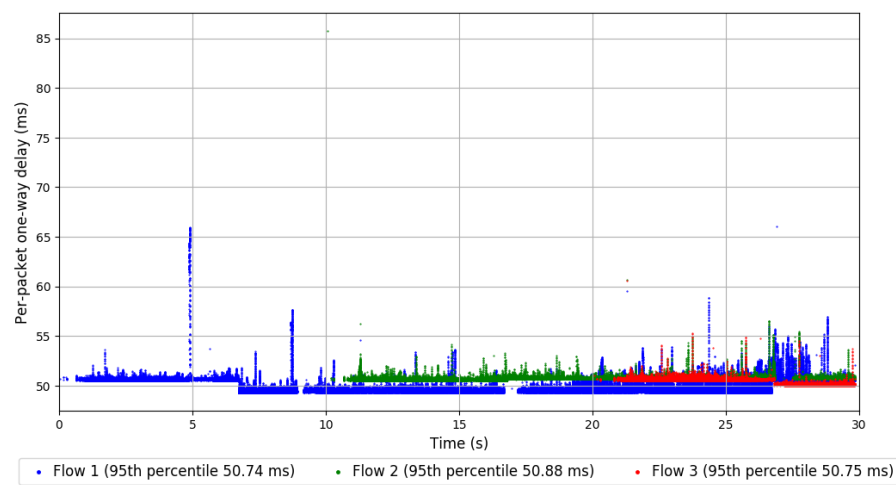
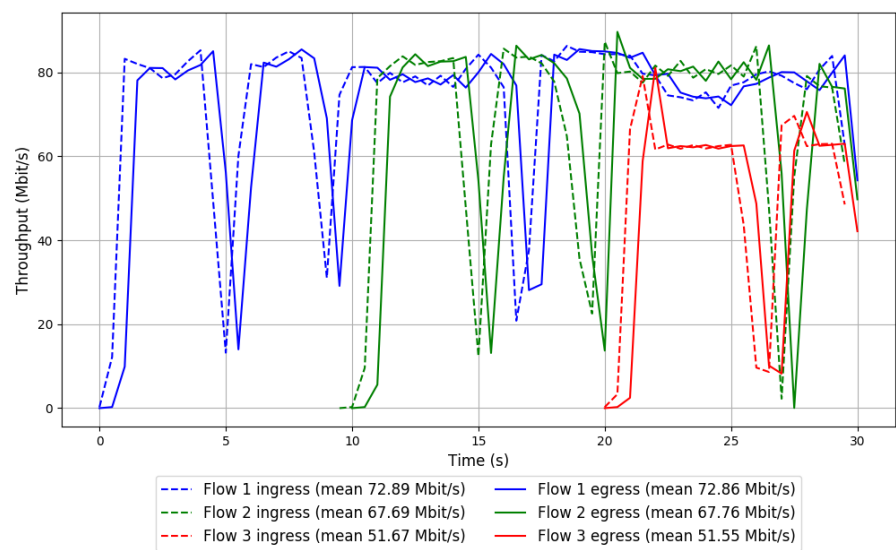
-- Flow 3:

Average throughput: 51.55 Mbit/s

95th percentile per-packet one-way delay: 50.747 ms

Loss rate: 1.25%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-12 18:08:18

End at: 2018-07-12 18:08:48

Local clock offset: 0.181 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-07-12 22:40:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 132.01 Mbit/s

95th percentile per-packet one-way delay: 51.205 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 70.03 Mbit/s

95th percentile per-packet one-way delay: 51.194 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 68.42 Mbit/s

95th percentile per-packet one-way delay: 51.234 ms

Loss rate: 0.61%

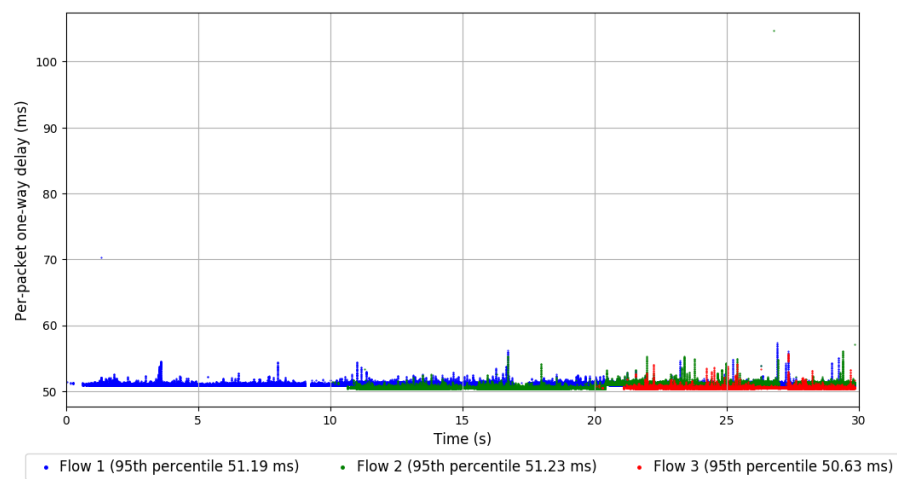
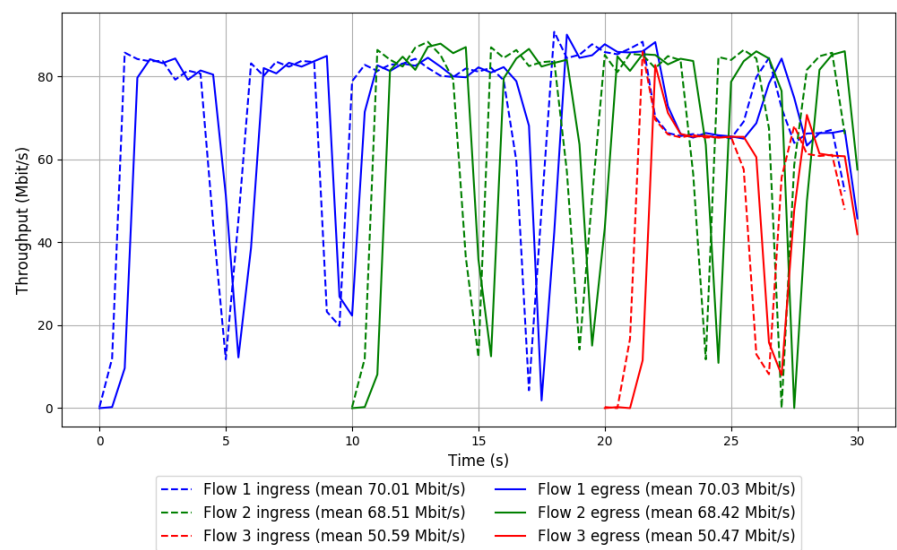
-- Flow 3:

Average throughput: 50.47 Mbit/s

95th percentile per-packet one-way delay: 50.627 ms

Loss rate: 1.23%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-12 18:31:59

End at: 2018-07-12 18:32:29

Local clock offset: 0.243 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-12 22:40:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 131.01 Mbit/s

95th percentile per-packet one-way delay: 51.172 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 72.11 Mbit/s

95th percentile per-packet one-way delay: 51.204 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 64.97 Mbit/s

95th percentile per-packet one-way delay: 50.739 ms

Loss rate: 0.56%

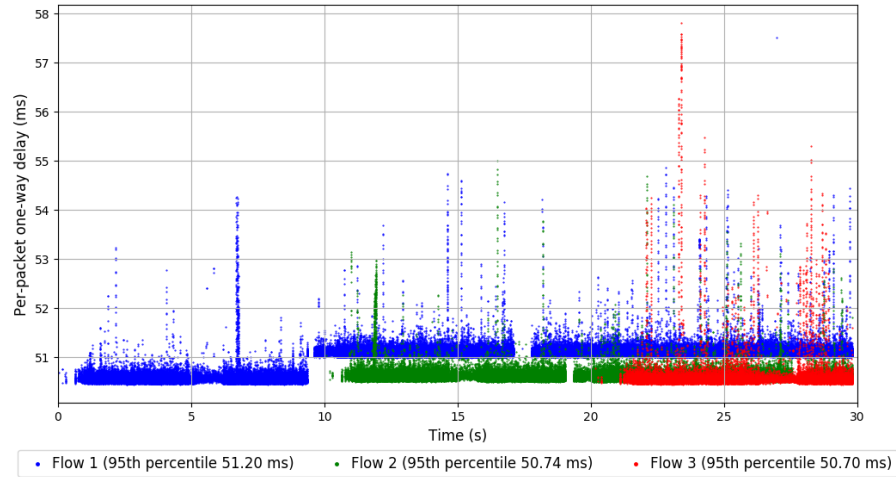
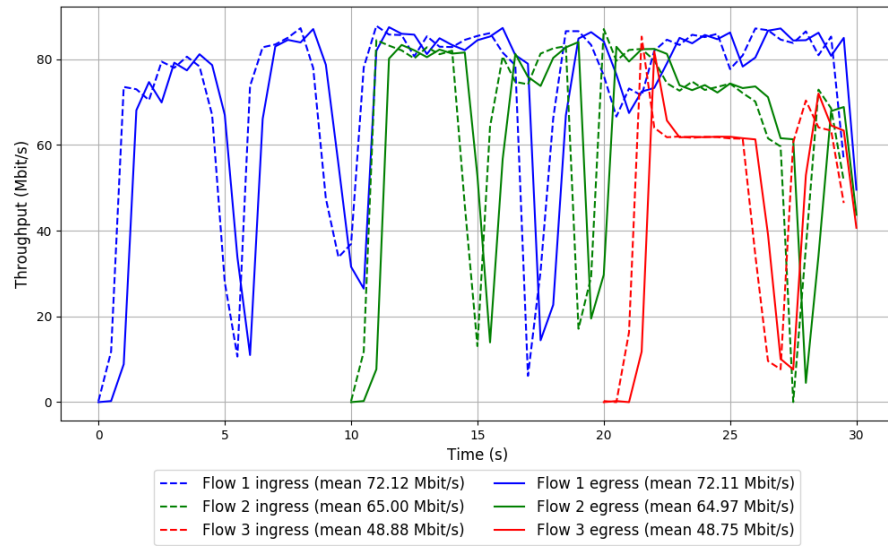
-- Flow 3:

Average throughput: 48.75 Mbit/s

95th percentile per-packet one-way delay: 50.704 ms

Loss rate: 1.29%

Run 5: Report of QUIC Cubic — Data Link

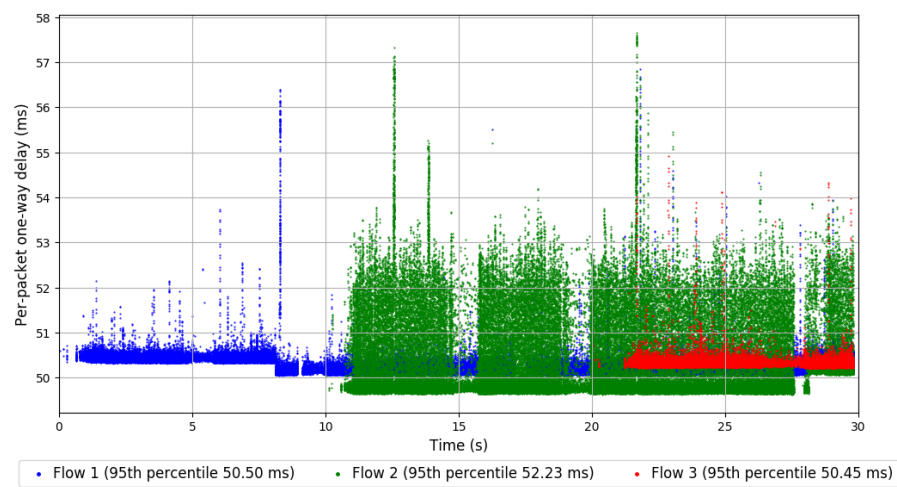
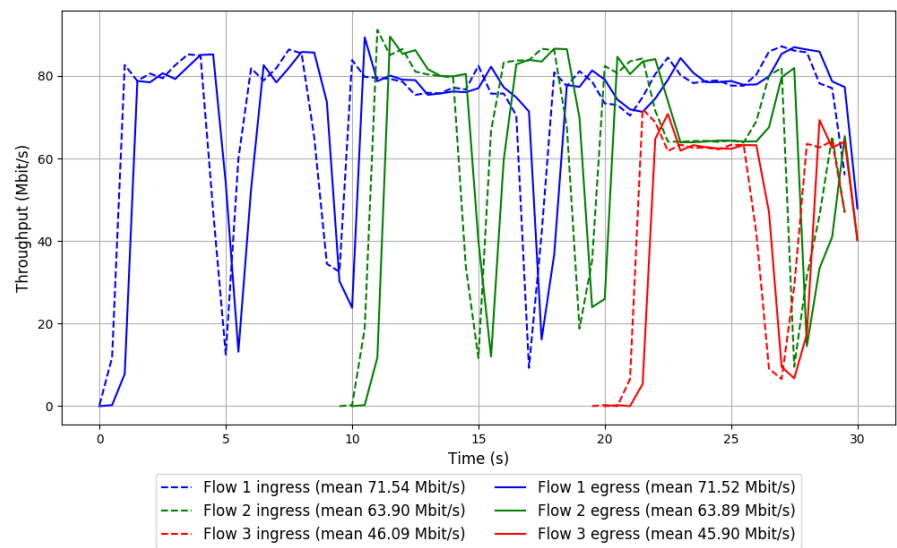


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-12 18:56:01
End at: 2018-07-12 18:56:31
Local clock offset: -0.513 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-12 22:40:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 129.09 Mbit/s
95th percentile per-packet one-way delay: 51.521 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 71.52 Mbit/s
95th percentile per-packet one-way delay: 50.502 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 63.89 Mbit/s
95th percentile per-packet one-way delay: 52.225 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 45.90 Mbit/s
95th percentile per-packet one-way delay: 50.451 ms
Loss rate: 1.44%

Run 6: Report of QUIC Cubic — Data Link

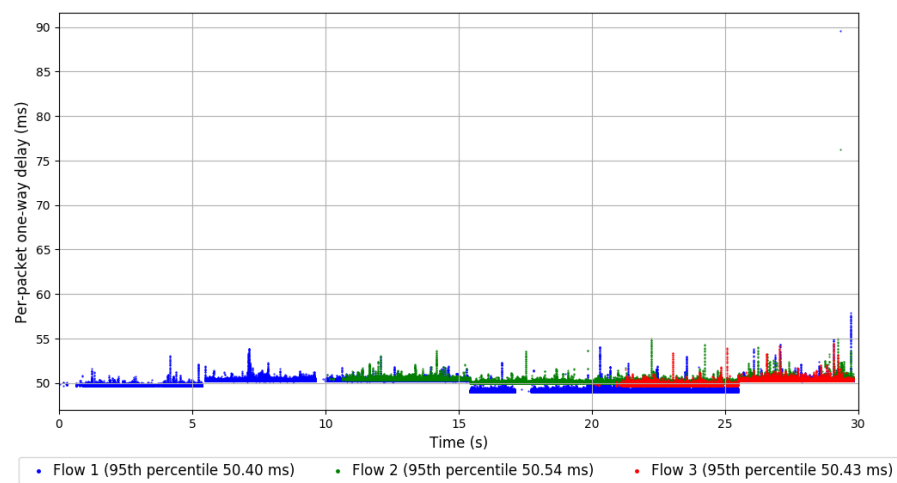
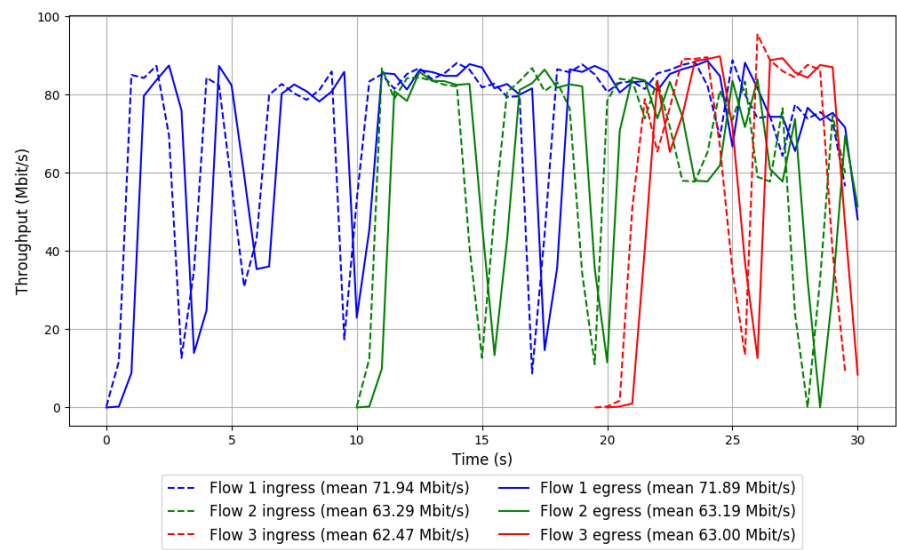


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-12 19:20:03
End at: 2018-07-12 19:20:33
Local clock offset: -0.493 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-12 22:40:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 134.54 Mbit/s
95th percentile per-packet one-way delay: 50.480 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 71.89 Mbit/s
95th percentile per-packet one-way delay: 50.403 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 63.19 Mbit/s
95th percentile per-packet one-way delay: 50.536 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 63.00 Mbit/s
95th percentile per-packet one-way delay: 50.427 ms
Loss rate: 0.18%

Run 7: Report of QUIC Cubic — Data Link

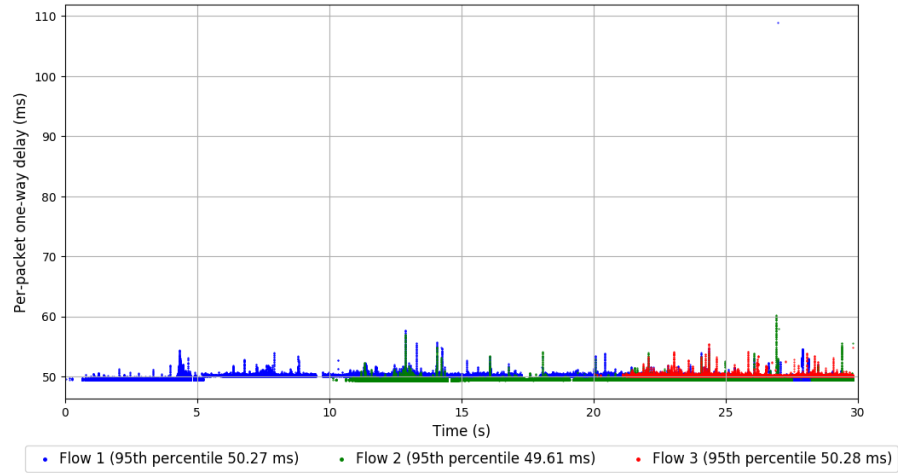
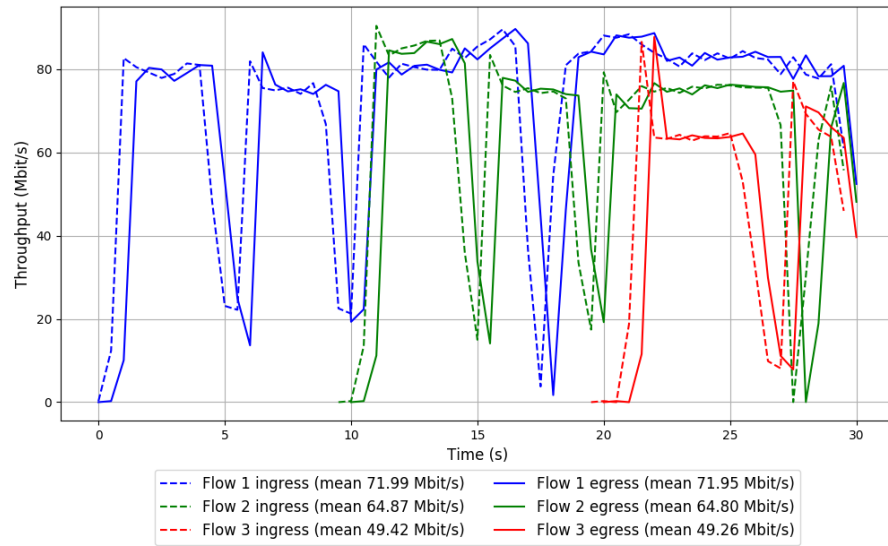


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-12 19:44:13
End at: 2018-07-12 19:44:43
Local clock offset: -0.095 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-12 22:40:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 131.19 Mbit/s
95th percentile per-packet one-way delay: 50.235 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 71.95 Mbit/s
95th percentile per-packet one-way delay: 50.271 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 64.80 Mbit/s
95th percentile per-packet one-way delay: 49.606 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 49.26 Mbit/s
95th percentile per-packet one-way delay: 50.280 ms
Loss rate: 1.30%

Run 8: Report of QUIC Cubic — Data Link

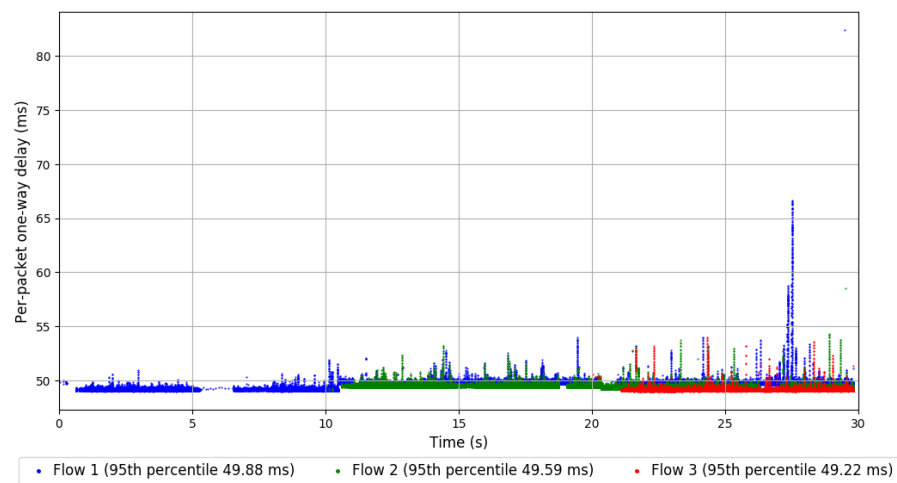
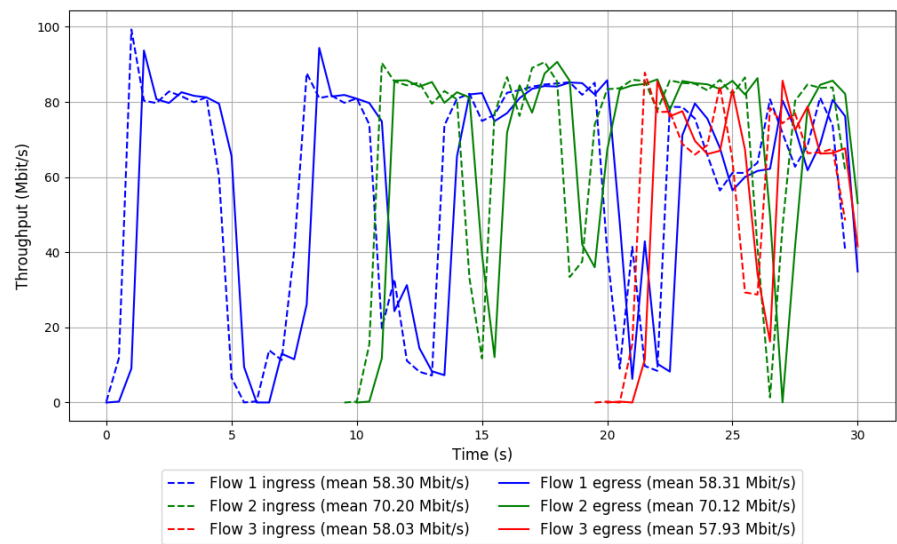


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-12 20:08:08
End at: 2018-07-12 20:08:38
Local clock offset: -0.487 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-12 22:40:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 123.97 Mbit/s
95th percentile per-packet one-way delay: 49.824 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 58.31 Mbit/s
95th percentile per-packet one-way delay: 49.877 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 70.12 Mbit/s
95th percentile per-packet one-way delay: 49.593 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 57.93 Mbit/s
95th percentile per-packet one-way delay: 49.215 ms
Loss rate: 1.18%

Run 9: Report of QUIC Cubic — Data Link

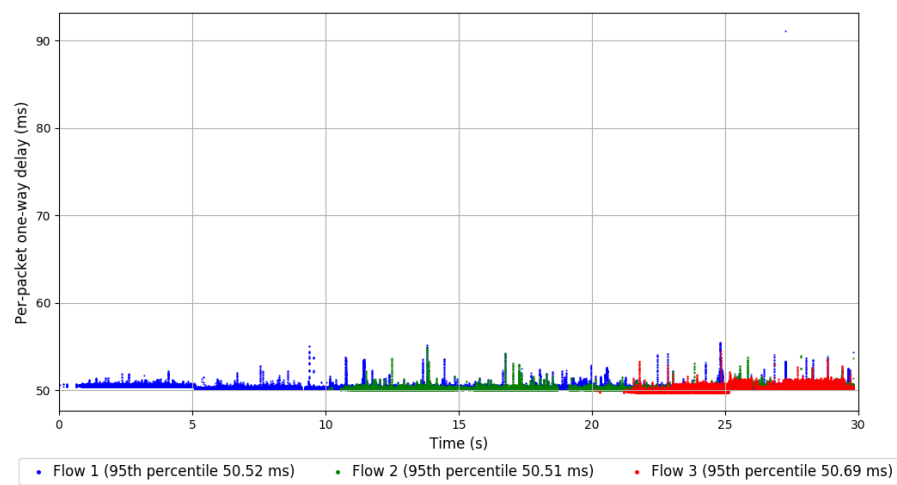
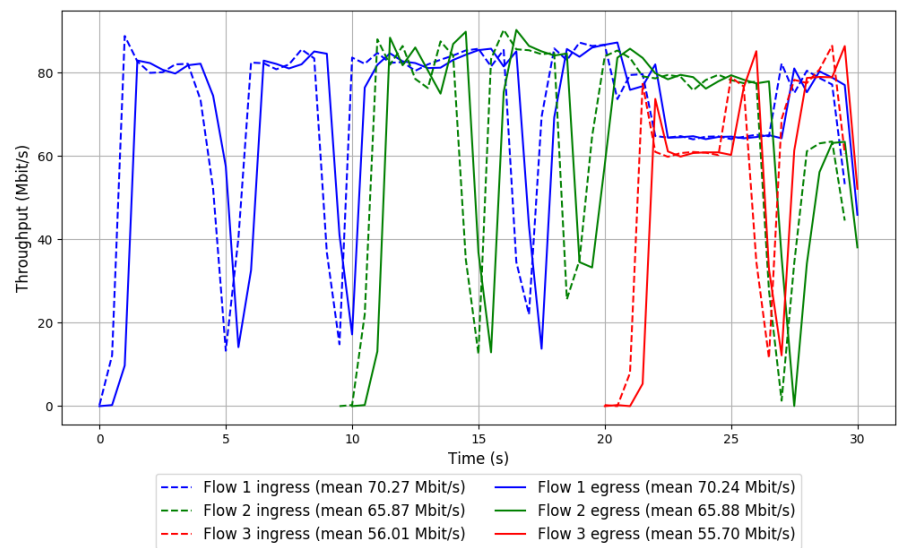


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-12 20:32:14
End at: 2018-07-12 20:32:44
Local clock offset: 0.227 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-12 22:40:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 132.30 Mbit/s
95th percentile per-packet one-way delay: 50.522 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 70.24 Mbit/s
95th percentile per-packet one-way delay: 50.519 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 65.88 Mbit/s
95th percentile per-packet one-way delay: 50.512 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 55.70 Mbit/s
95th percentile per-packet one-way delay: 50.686 ms
Loss rate: 1.55%

Run 10: Report of QUIC Cubic — Data Link

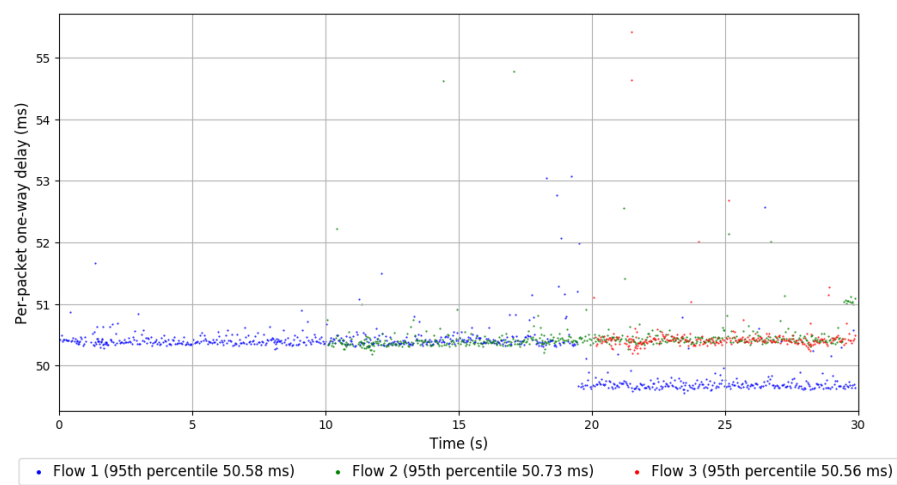
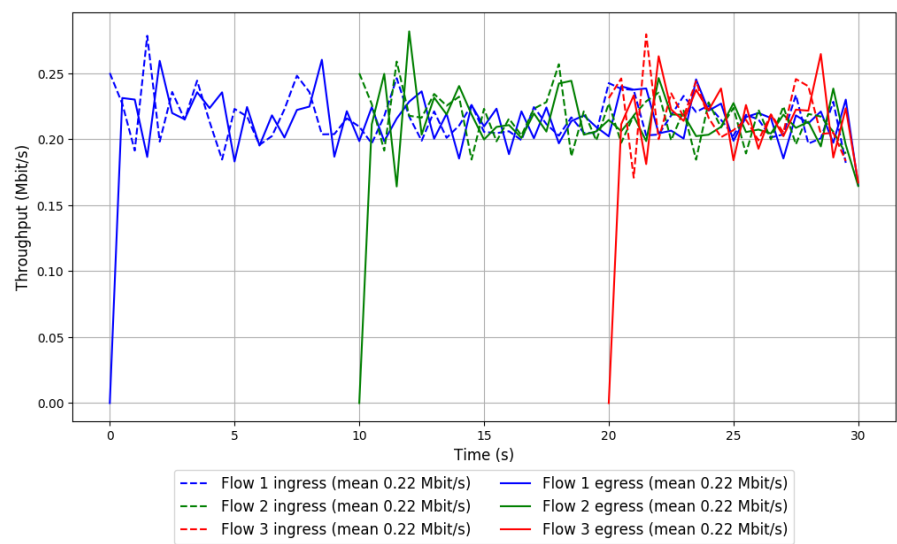


```
Run 1: Statistics of SReAM

Start at: 2018-07-12 16:32:59
End at: 2018-07-12 16:33:29
Local clock offset: -0.122 ms
Remote clock offset: 0.015 ms

# Below is generated by plot.py at 2018-07-12 22:40:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.622 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.582 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.732 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.558 ms
Loss rate: 0.74%
```


Run 1: Report of SReAM — Data Link

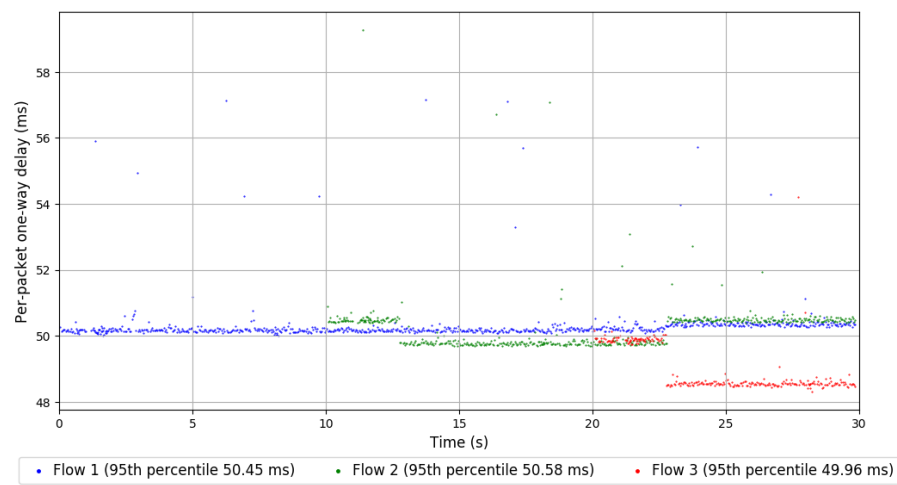
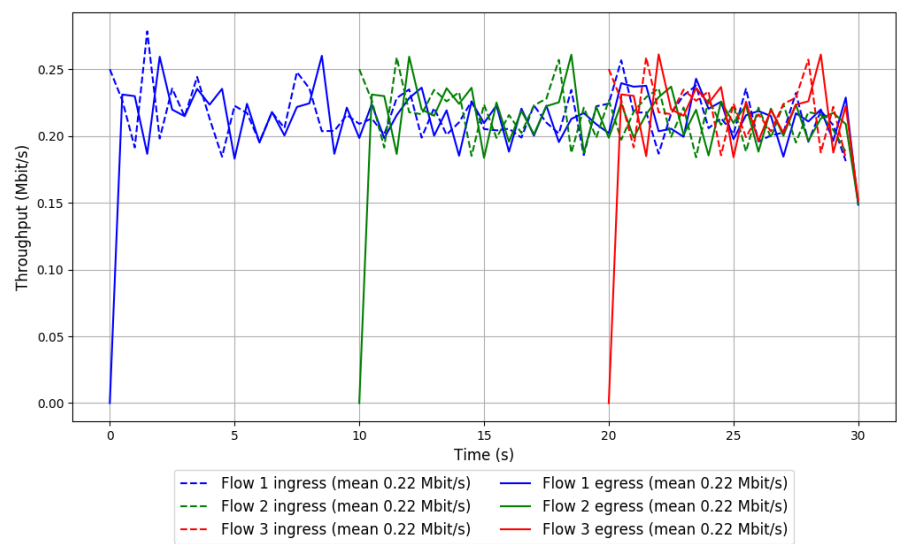


```
Run 2: Statistics of SReAM

Start at: 2018-07-12 16:57:16
End at: 2018-07-12 16:57:46
Local clock offset: -0.501 ms
Remote clock offset: 0.12 ms

# Below is generated by plot.py at 2018-07-12 22:40:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.548 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.451 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.584 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.960 ms
Loss rate: 1.09%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-07-12 17:21:26

End at: 2018-07-12 17:21:56

Local clock offset: -0.114 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-07-12 22:40:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 50.863 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.875 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.861 ms

Loss rate: 0.61%

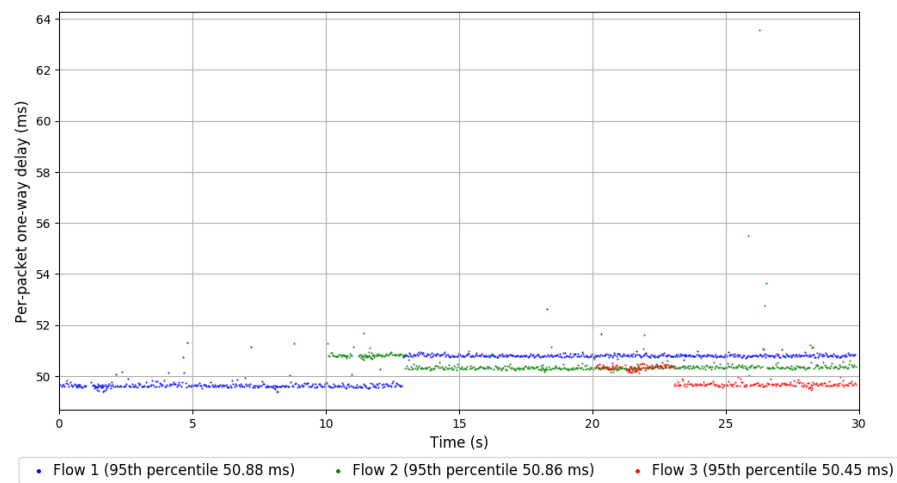
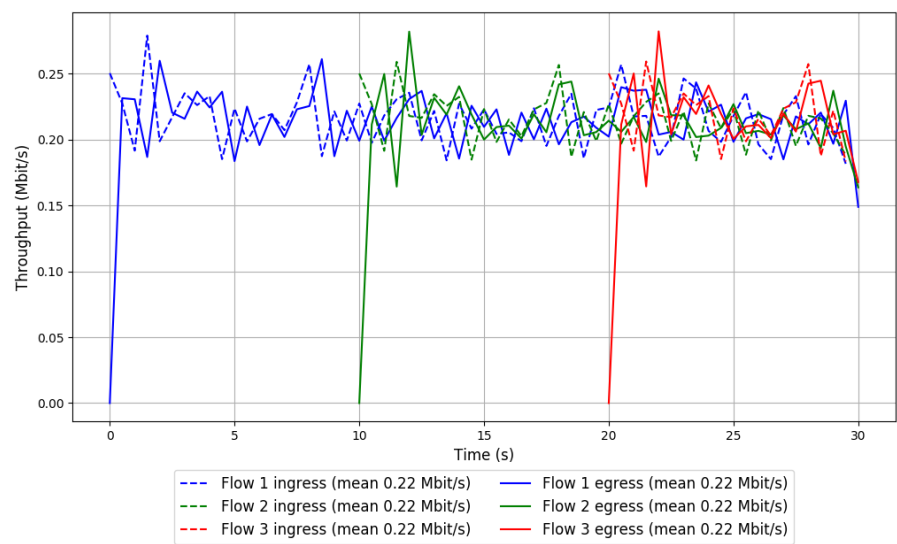
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.446 ms

Loss rate: 1.09%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-07-12 17:45:28

End at: 2018-07-12 17:45:58

Local clock offset: 0.185 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-12 22:40:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 51.293 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.705 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.366 ms

Loss rate: 0.61%

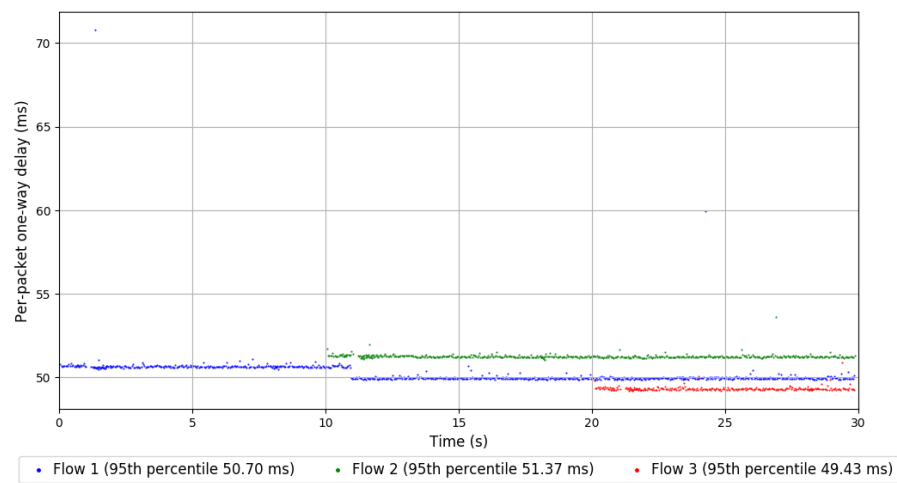
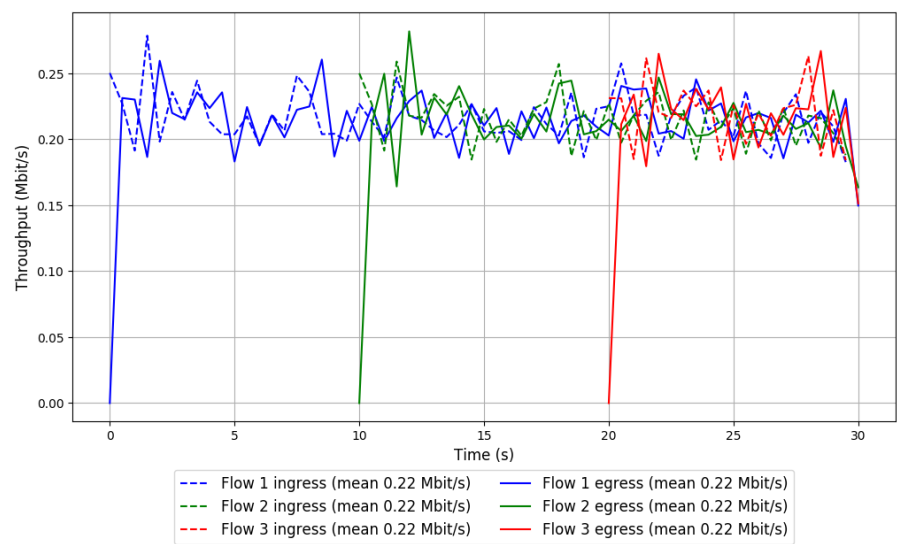
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.429 ms

Loss rate: 1.11%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-07-12 18:09:34

End at: 2018-07-12 18:10:04

Local clock offset: 0.183 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-07-12 22:40:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 51.279 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.222 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.814 ms

Loss rate: 0.42%

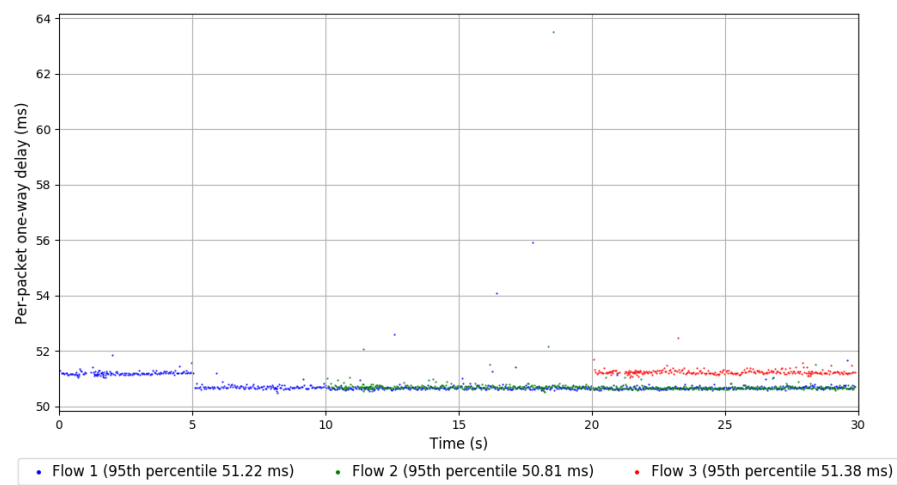
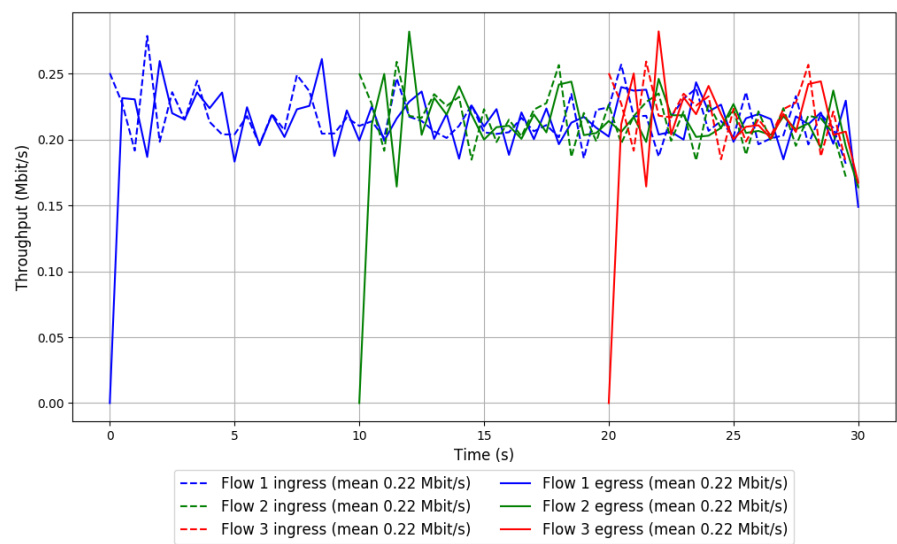
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.384 ms

Loss rate: 1.09%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-07-12 18:33:15

End at: 2018-07-12 18:33:45

Local clock offset: 0.213 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-12 22:40:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 51.215 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.797 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.269 ms

Loss rate: 0.61%

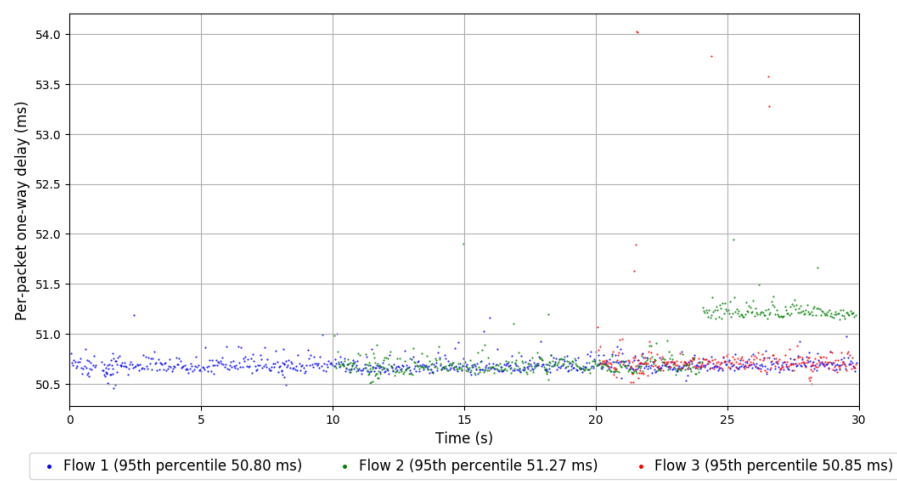
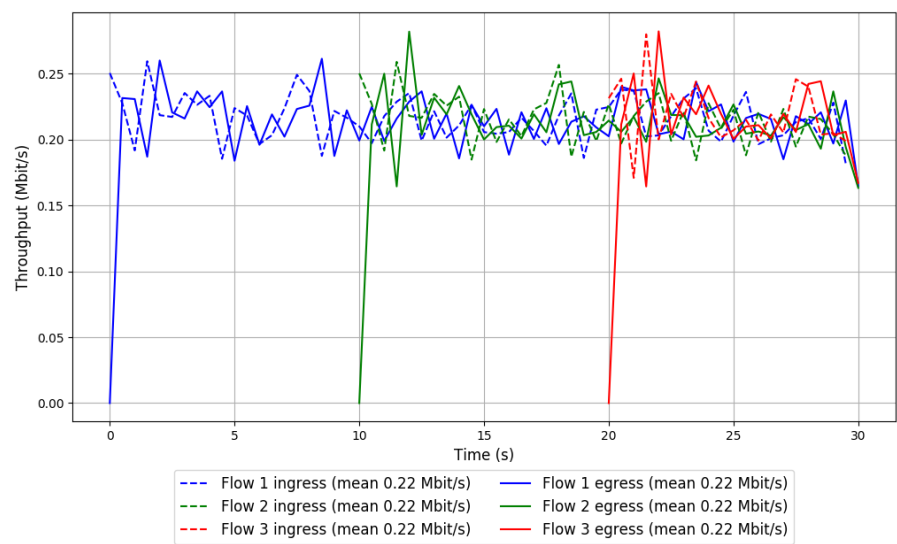
-- Flow 3:

Average throughput: 0.22 Mbit/s

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

Loss rate: 1.09%

Run 6: Report of SReAM — Data Link

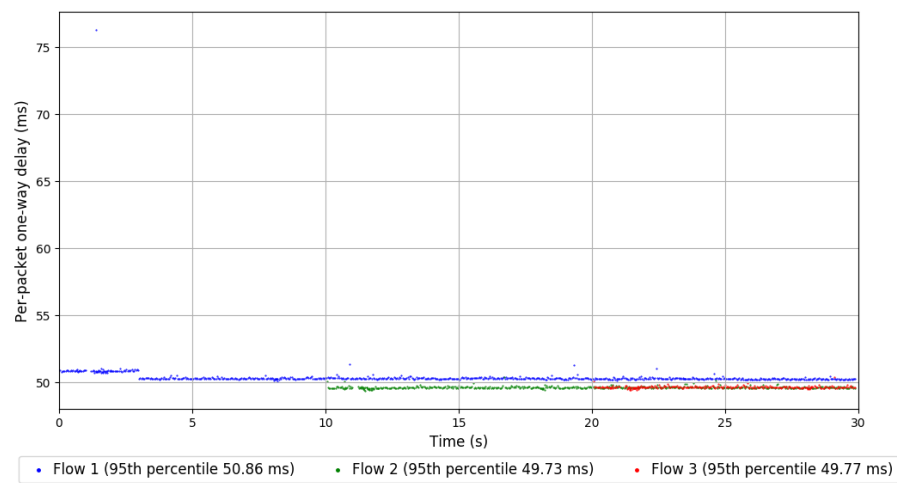
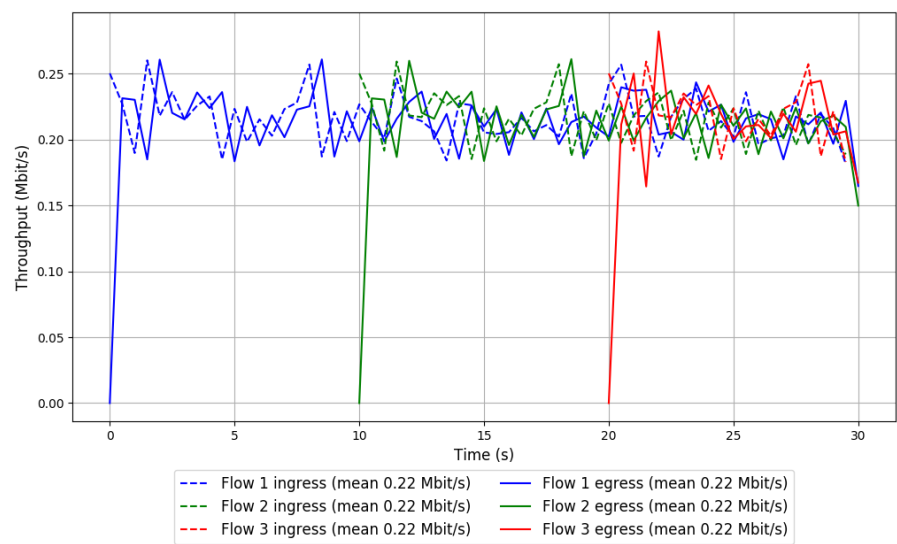


Run 7: Statistics of SReAM

Start at: 2018-07-12 18:57:16
End at: 2018-07-12 18:57:46
Local clock offset: -0.094 ms
Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-07-12 22:40:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.802 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.857 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.735 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.767 ms
Loss rate: 1.09%

Run 7: Report of SReAM — Data Link

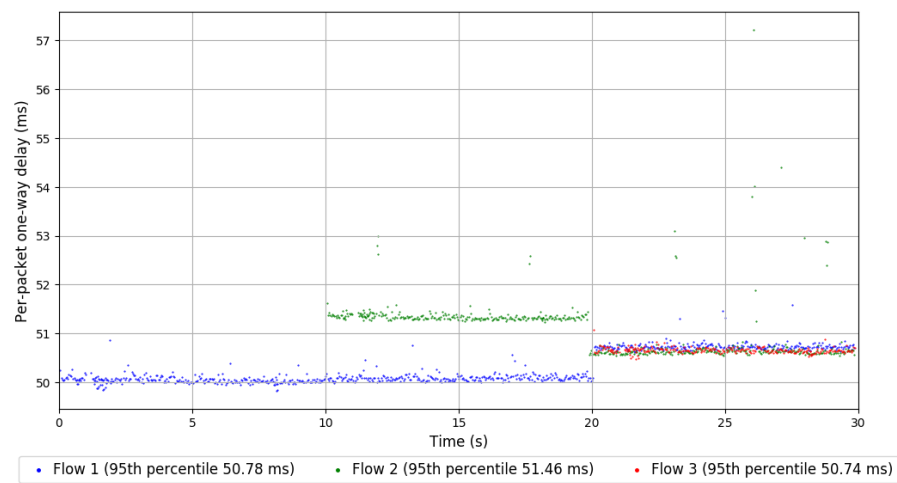
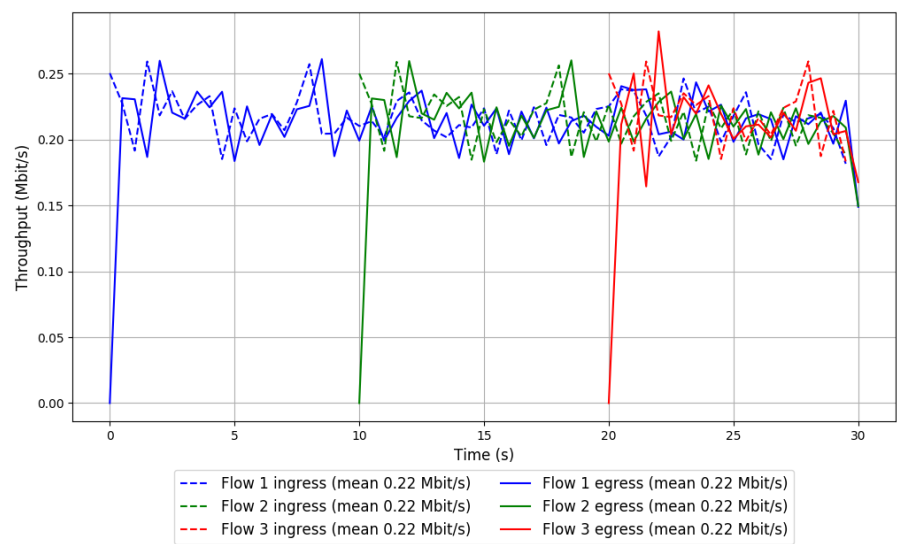


Run 8: Statistics of SReAM

Start at: 2018-07-12 19:21:19
End at: 2018-07-12 19:21:49
Local clock offset: 0.266 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-12 22:40:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 51.377 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.784 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.463 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.745 ms
Loss rate: 1.09%

Run 8: Report of SReAM — Data Link

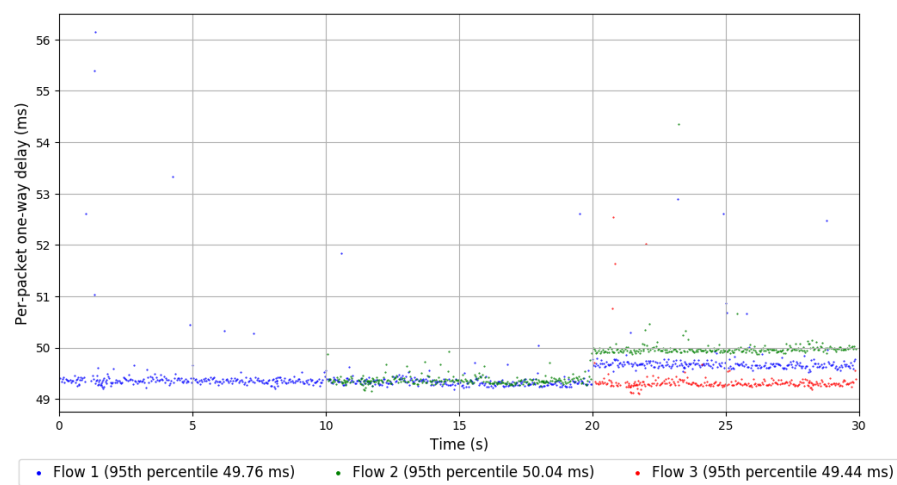
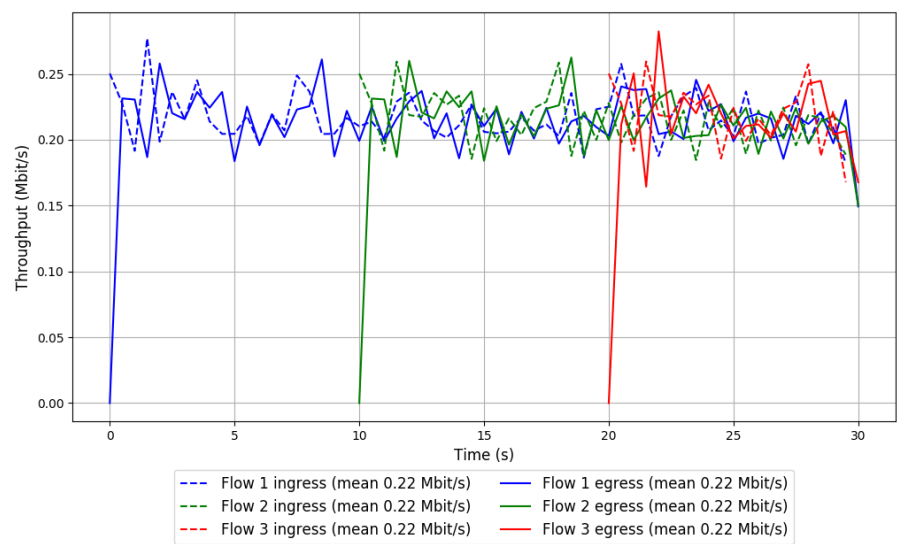


Run 9: Statistics of SReAM

Start at: 2018-07-12 19:45:29
End at: 2018-07-12 19:45:59
Local clock offset: -0.444 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-12 22:40:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 49.996 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.762 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.036 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.441 ms
Loss rate: 0.74%

Run 9: Report of SReAM — Data Link

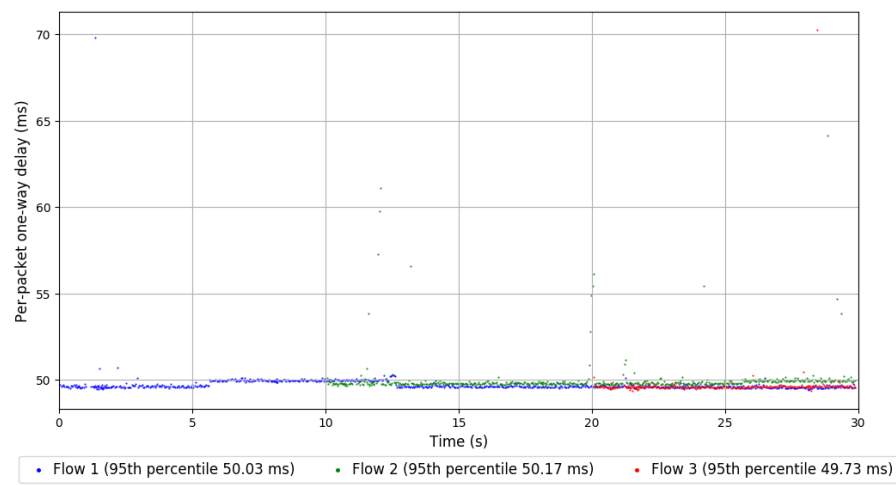
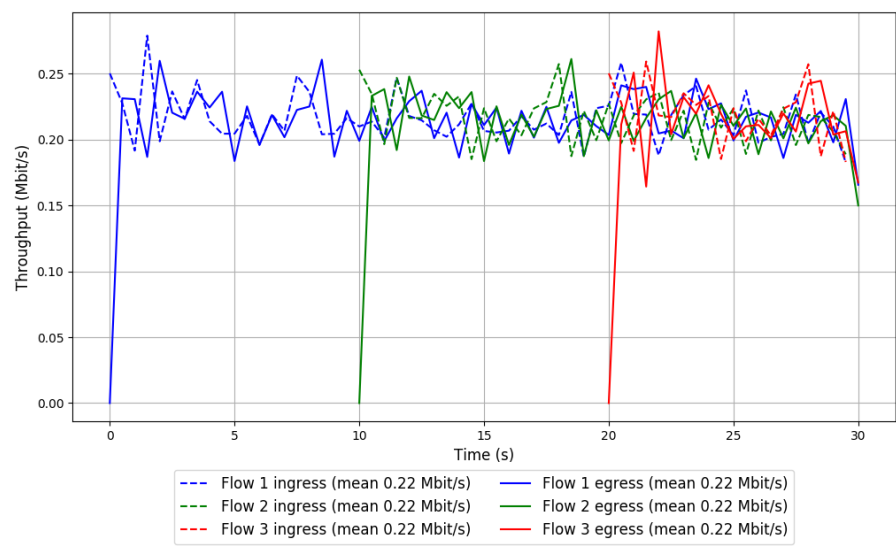


Run 10: Statistics of SReAM

Start at: 2018-07-12 20:09:23
End at: 2018-07-12 20:09:53
Local clock offset: -0.148 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-12 22:40:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.036 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.026 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.171 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.727 ms
Loss rate: 1.09%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-12 16:34:07

End at: 2018-07-12 16:34:37

Local clock offset: -0.202 ms

Remote clock offset: 0.365 ms

Below is generated by plot.py at 2018-07-12 22:40:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.22 Mbit/s

95th percentile per-packet one-way delay: 51.096 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 6.52 Mbit/s

95th percentile per-packet one-way delay: 51.108 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 7.33 Mbit/s

95th percentile per-packet one-way delay: 51.152 ms

Loss rate: 0.95%

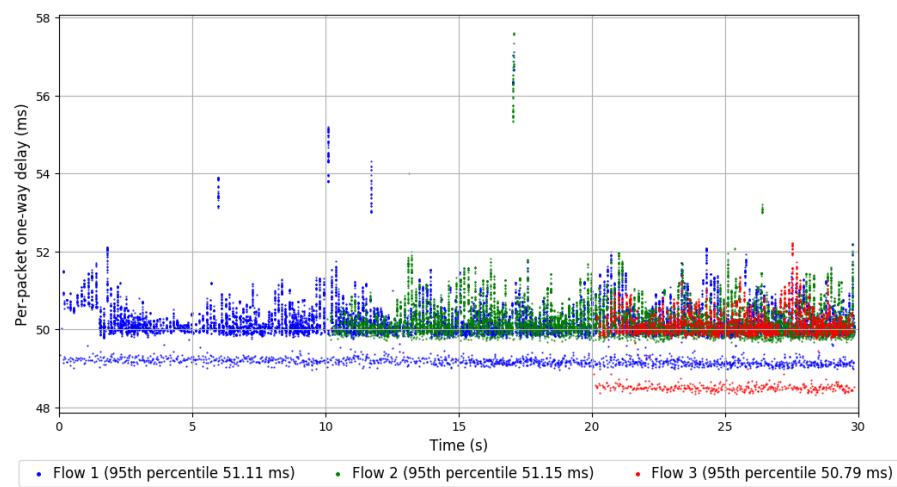
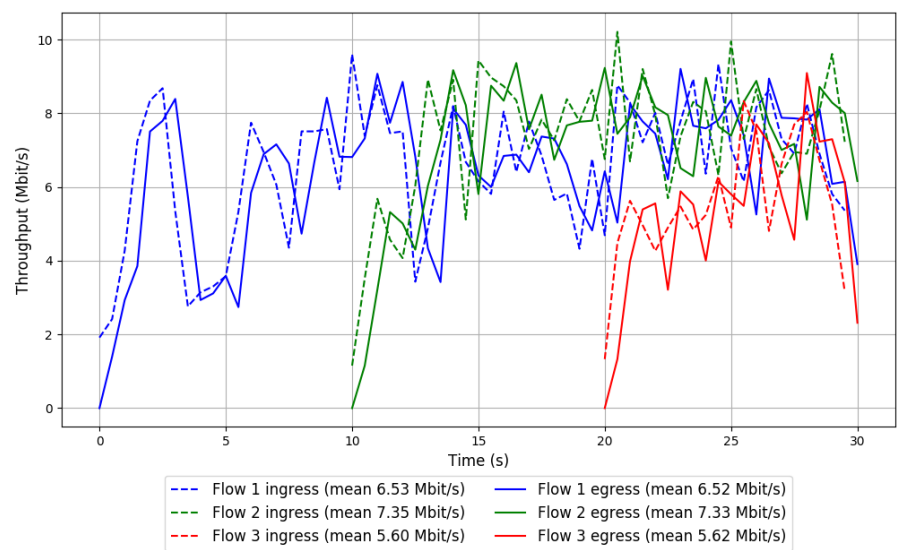
-- Flow 3:

Average throughput: 5.62 Mbit/s

95th percentile per-packet one-way delay: 50.791 ms

Loss rate: 1.03%

Run 1: Report of Sprout — Data Link

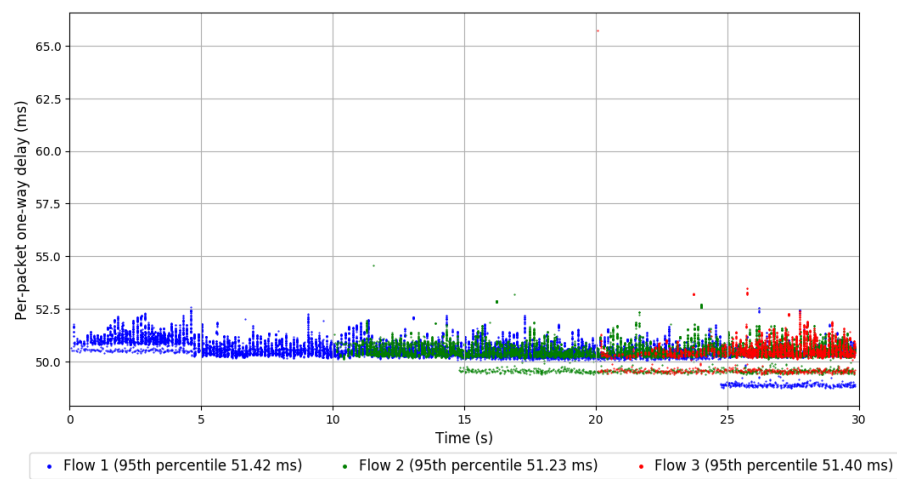
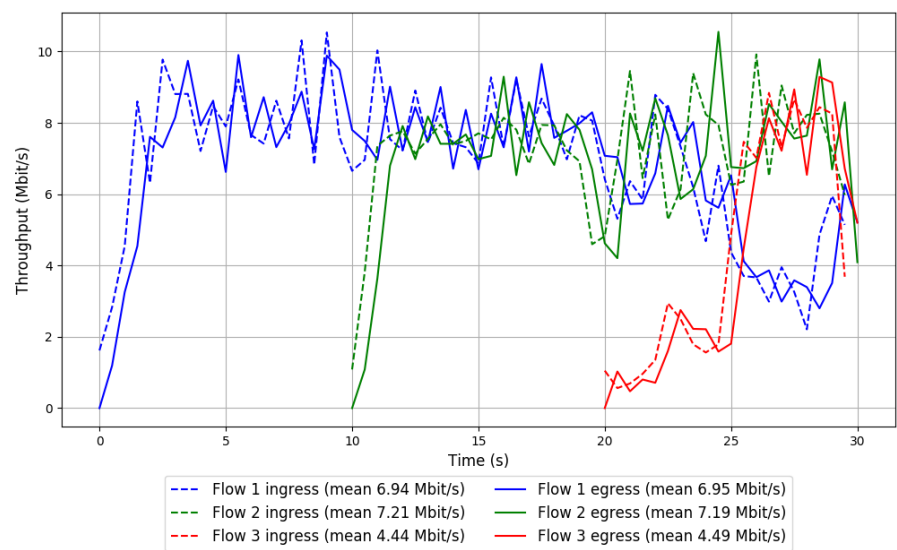


Run 2: Statistics of Sprout

Start at: 2018-07-12 16:58:24
End at: 2018-07-12 16:58:54
Local clock offset: -0.189 ms
Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-12 22:40:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.19 Mbit/s
95th percentile per-packet one-way delay: 51.362 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 6.95 Mbit/s
95th percentile per-packet one-way delay: 51.422 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 51.228 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 51.404 ms
Loss rate: 0.03%

Run 2: Report of Sprout — Data Link

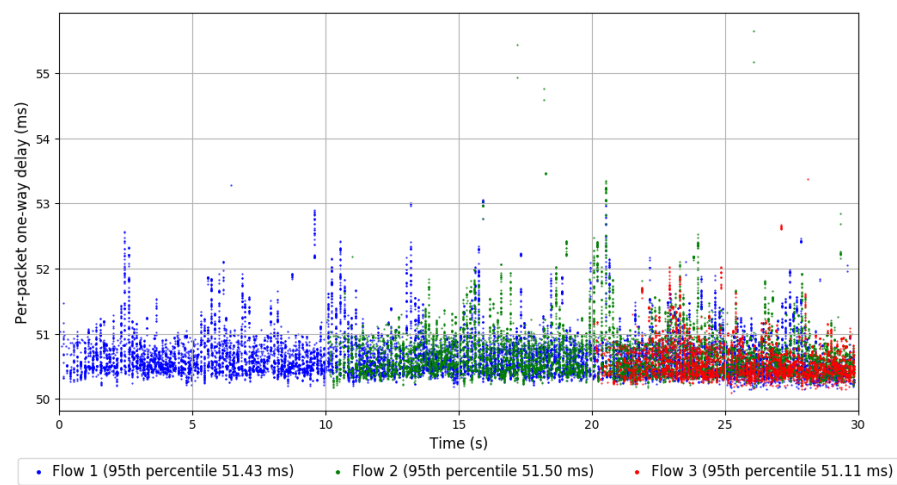
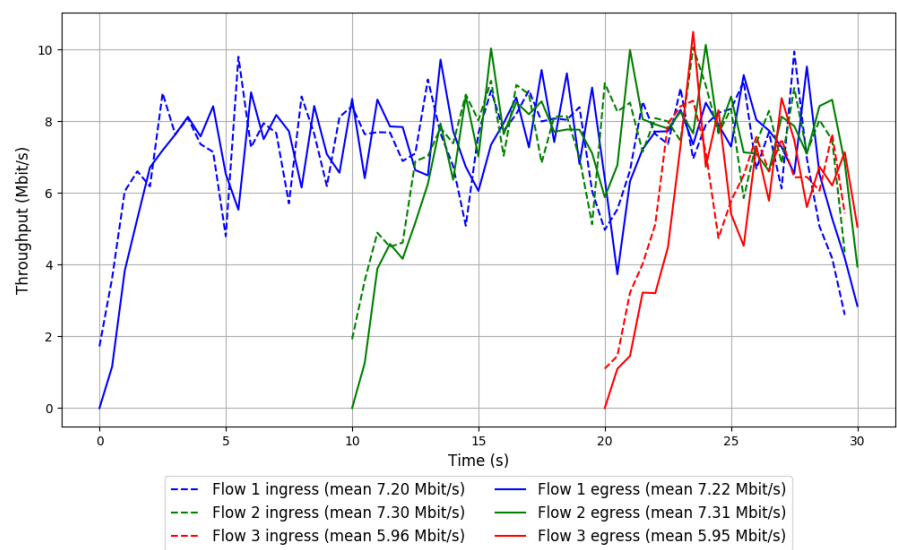


Run 3: Statistics of Sprout

Start at: 2018-07-12 17:22:34
End at: 2018-07-12 17:23:04
Local clock offset: -0.129 ms
Remote clock offset: -0.012 ms

```
# Below is generated by plot.py at 2018-07-12 22:40:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.02 Mbit/s
95th percentile per-packet one-way delay: 51.419 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 7.22 Mbit/s
95th percentile per-packet one-way delay: 51.434 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 51.500 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 5.95 Mbit/s
95th percentile per-packet one-way delay: 51.112 ms
Loss rate: 1.24%
```


Run 3: Report of Sprout — Data Link

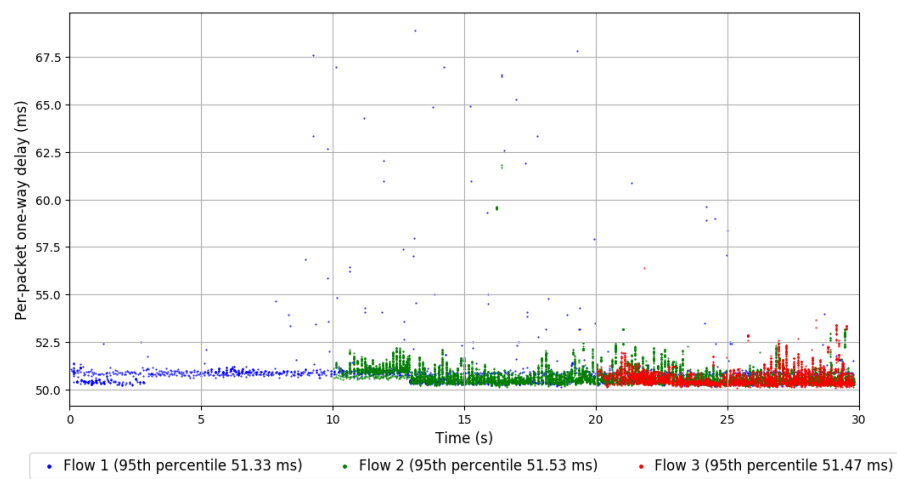
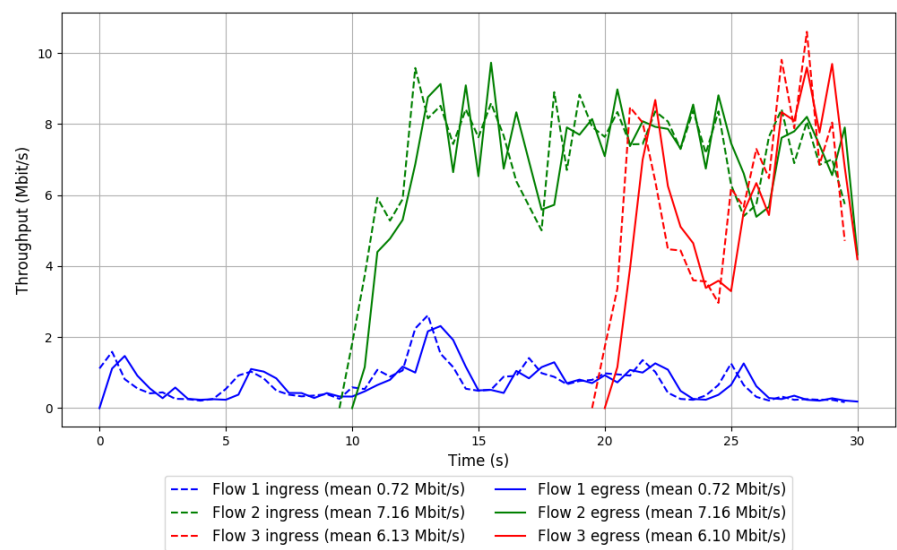


Run 4: Statistics of Sprout

Start at: 2018-07-12 17:46:36
End at: 2018-07-12 17:47:06
Local clock offset: -0.191 ms
Remote clock offset: -0.001 ms

```
# Below is generated by plot.py at 2018-07-12 22:40:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 51.512 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 51.333 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 7.16 Mbit/s
95th percentile per-packet one-way delay: 51.528 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 6.10 Mbit/s
95th percentile per-packet one-way delay: 51.465 ms
Loss rate: 1.48%
```

Run 4: Report of Sprout — Data Link

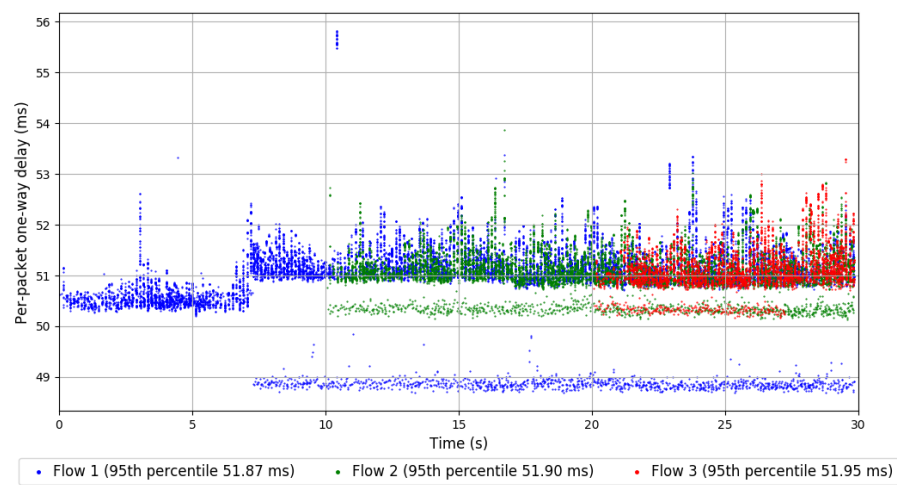
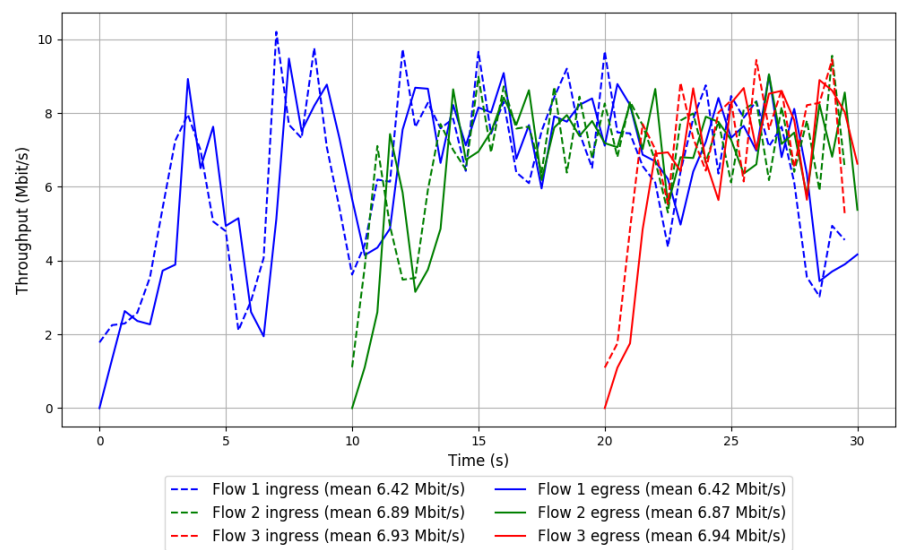


Run 5: Statistics of Sprout

Start at: 2018-07-12 18:10:42
End at: 2018-07-12 18:11:12
Local clock offset: -0.129 ms
Remote clock offset: 0.025 ms

```
# Below is generated by plot.py at 2018-07-12 22:40:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.26 Mbit/s
95th percentile per-packet one-way delay: 51.892 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 51.873 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 6.87 Mbit/s
95th percentile per-packet one-way delay: 51.898 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 51.950 ms
Loss rate: 0.54%
```

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-12 18:34:23

End at: 2018-07-12 18:34:53

Local clock offset: -0.121 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-12 22:40:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.27 Mbit/s

95th percentile per-packet one-way delay: 51.931 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 4.75 Mbit/s

95th percentile per-packet one-way delay: 51.872 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 5.40 Mbit/s

95th percentile per-packet one-way delay: 51.963 ms

Loss rate: 0.59%

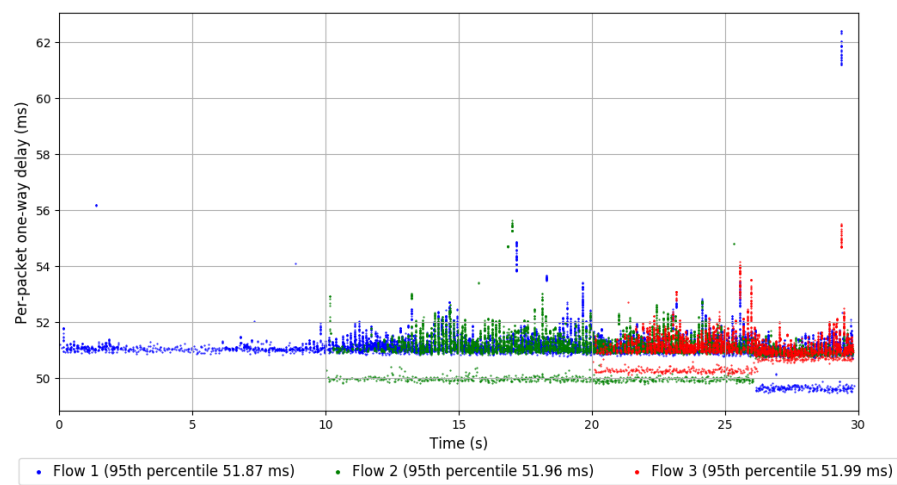
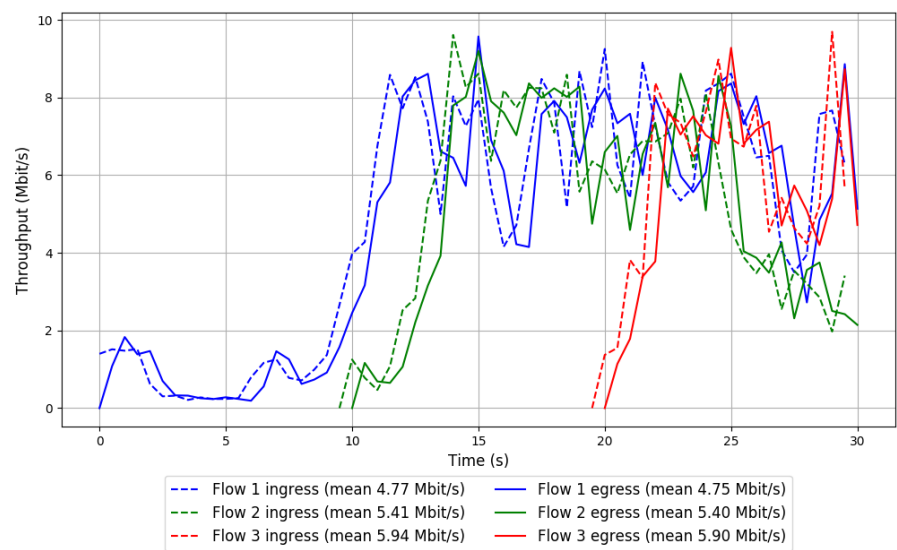
-- Flow 3:

Average throughput: 5.90 Mbit/s

95th percentile per-packet one-way delay: 51.991 ms

Loss rate: 1.64%

Run 6: Report of Sprout — Data Link

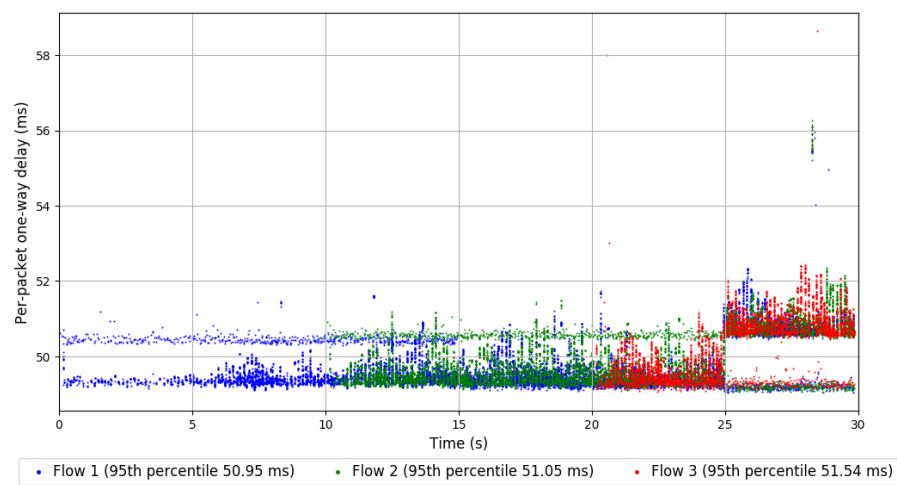
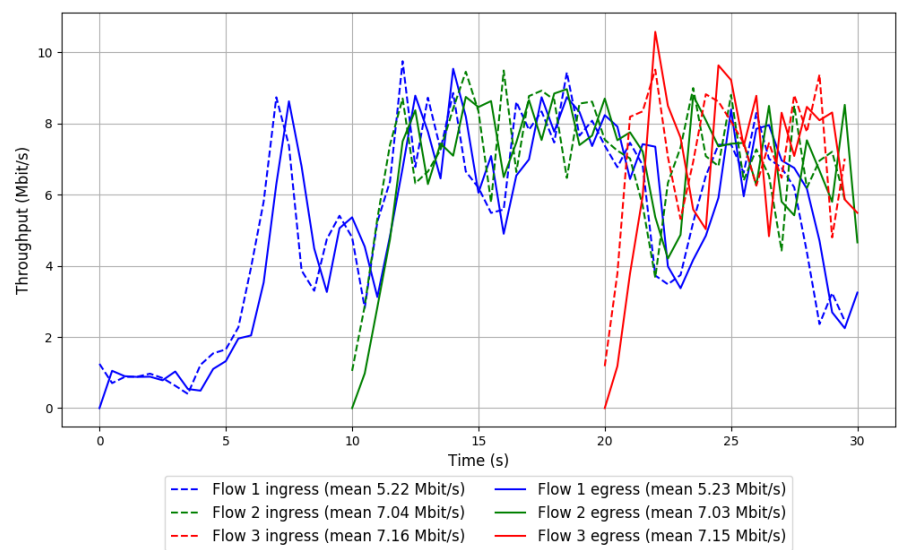


Run 7: Statistics of Sprout

Start at: 2018-07-12 18:58:24
End at: 2018-07-12 18:58:54
Local clock offset: -0.451 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-12 22:40:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.24 Mbit/s
95th percentile per-packet one-way delay: 51.168 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 50.948 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 51.055 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 7.15 Mbit/s
95th percentile per-packet one-way delay: 51.539 ms
Loss rate: 1.08%

Run 7: Report of Sprout — Data Link

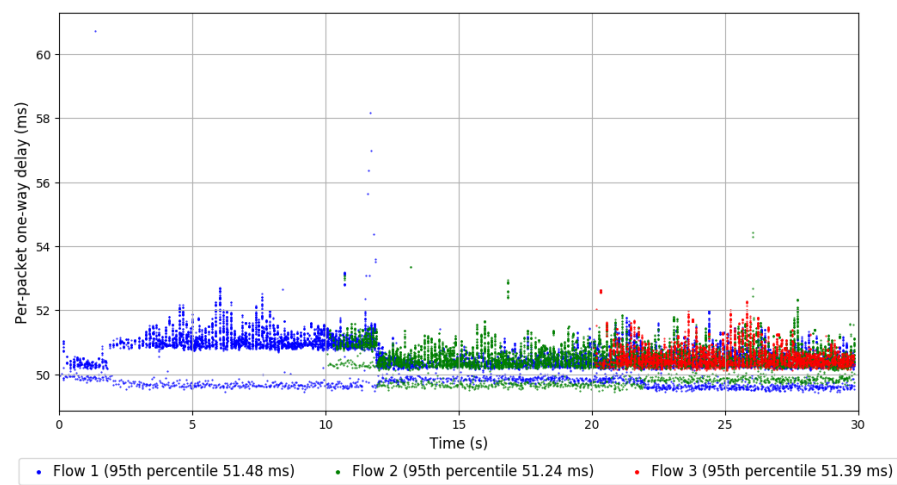
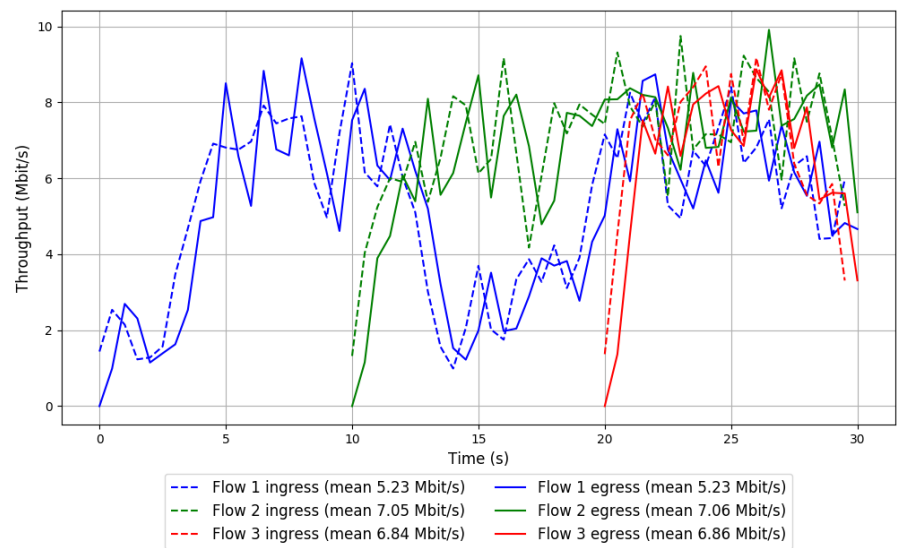


Run 8: Statistics of Sprout

Start at: 2018-07-12 19:22:27
End at: 2018-07-12 19:22:57
Local clock offset: -0.058 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-12 22:40:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.17 Mbit/s
95th percentile per-packet one-way delay: 51.381 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 51.485 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 51.245 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: 51.388 ms
Loss rate: 0.40%

Run 8: Report of Sprout — Data Link

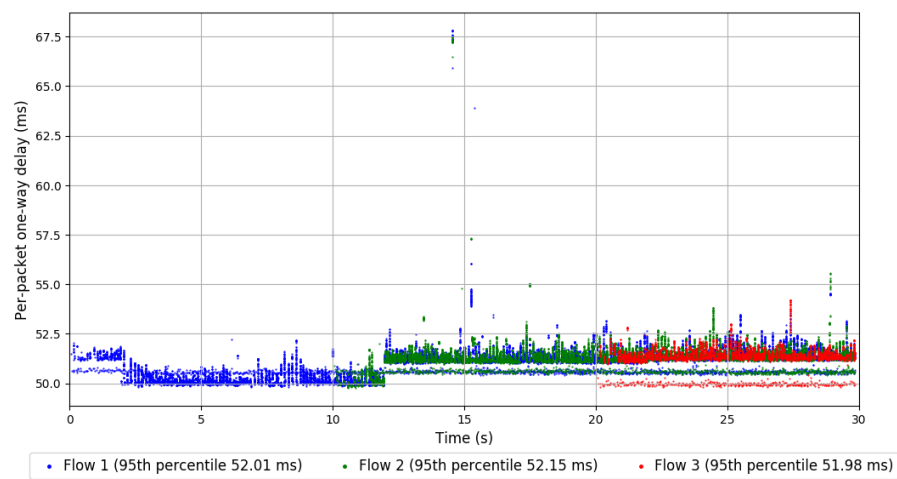
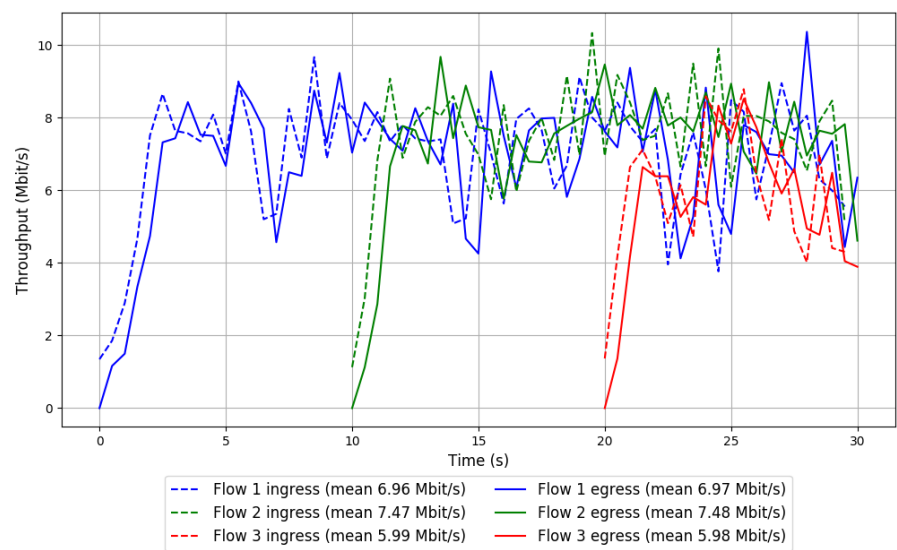


Run 9: Statistics of Sprout

Start at: 2018-07-12 19:46:37
End at: 2018-07-12 19:47:07
Local clock offset: 0.266 ms
Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-12 22:40:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.90 Mbit/s
95th percentile per-packet one-way delay: 52.060 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 6.97 Mbit/s
95th percentile per-packet one-way delay: 52.014 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 7.48 Mbit/s
95th percentile per-packet one-way delay: 52.146 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 5.98 Mbit/s
95th percentile per-packet one-way delay: 51.982 ms
Loss rate: 1.08%

Run 9: Report of Sprout — Data Link

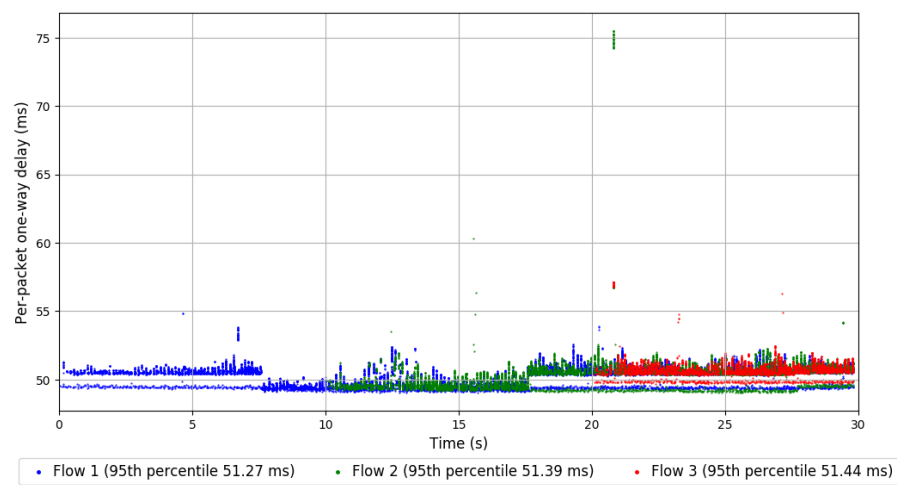
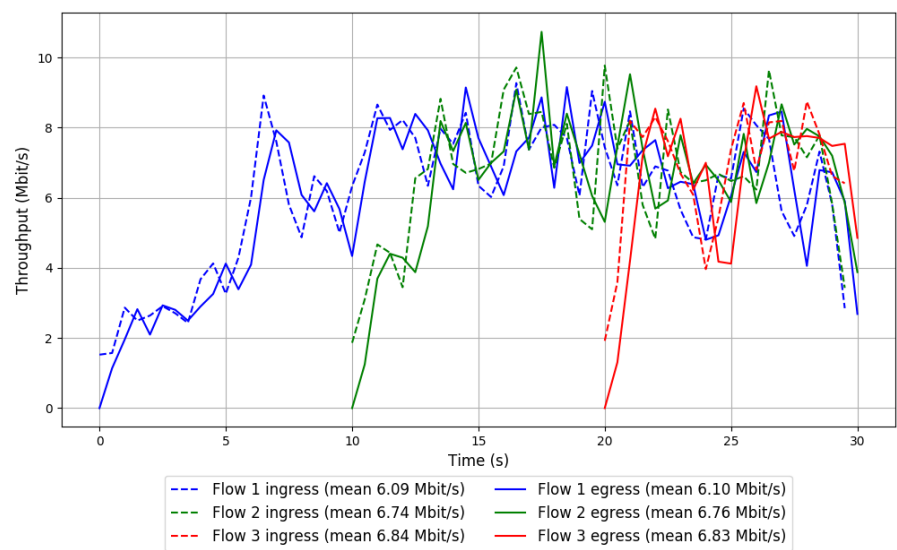


Run 10: Statistics of Sprout

Start at: 2018-07-12 20:10:31
End at: 2018-07-12 20:11:01
Local clock offset: -0.468 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-12 22:40:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.82 Mbit/s
95th percentile per-packet one-way delay: 51.349 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 6.10 Mbit/s
95th percentile per-packet one-way delay: 51.275 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 6.76 Mbit/s
95th percentile per-packet one-way delay: 51.389 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 6.83 Mbit/s
95th percentile per-packet one-way delay: 51.444 ms
Loss rate: 1.48%

Run 10: Report of Sprout — Data Link

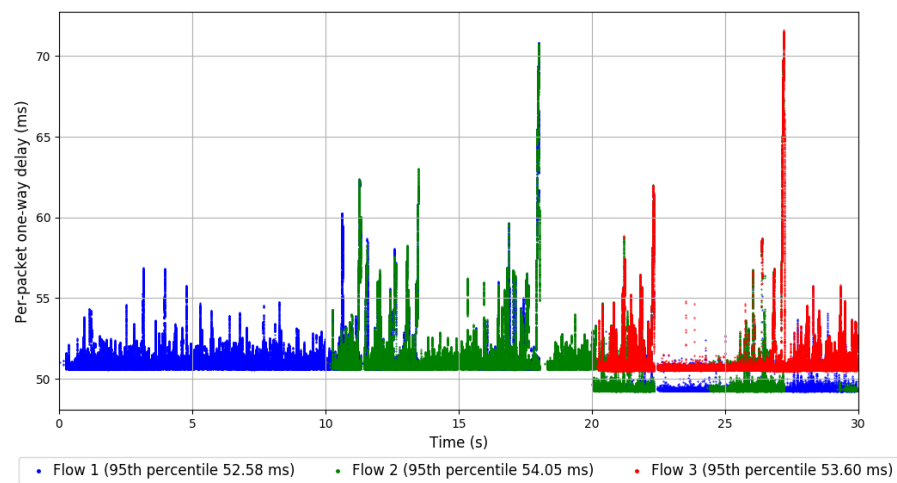
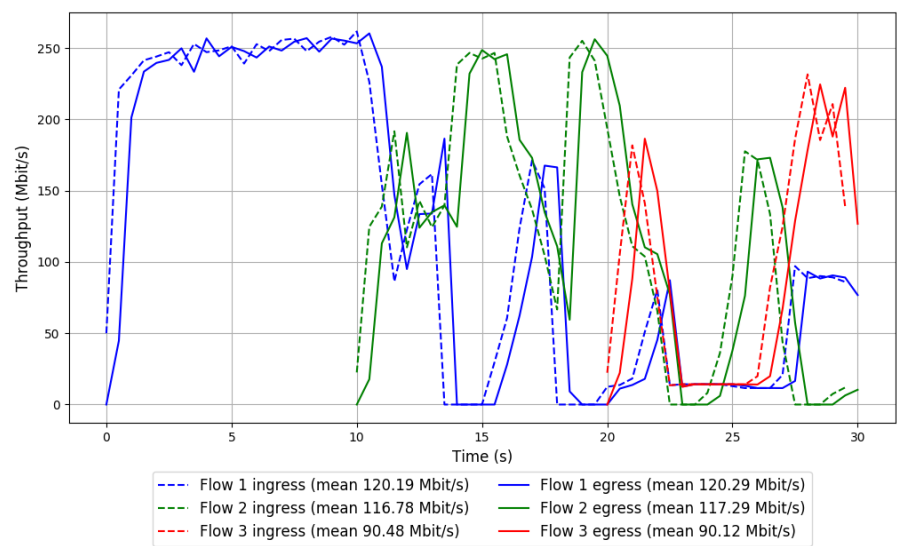


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-12 16:47:19
End at: 2018-07-12 16:47:49
Local clock offset: -0.224 ms
Remote clock offset: 0.051 ms

# Below is generated by plot.py at 2018-07-12 22:43:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 228.08 Mbit/s
95th percentile per-packet one-way delay: 53.196 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 120.29 Mbit/s
95th percentile per-packet one-way delay: 52.583 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 117.29 Mbit/s
95th percentile per-packet one-way delay: 54.052 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 90.12 Mbit/s
95th percentile per-packet one-way delay: 53.605 ms
Loss rate: 1.40%
```


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

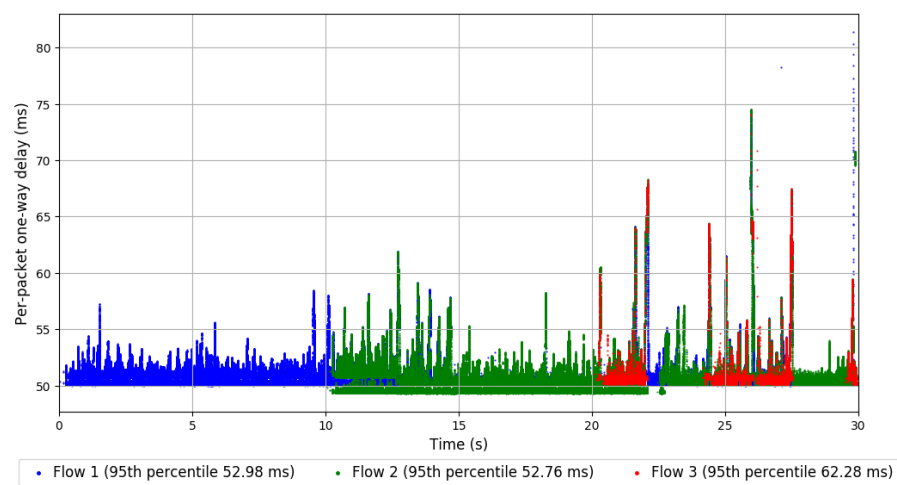
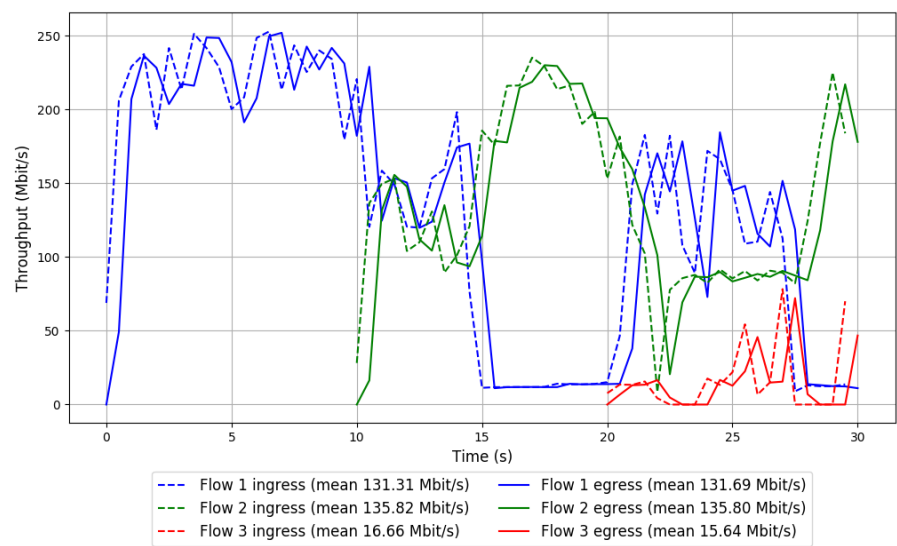


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-07-12 17:11:26
End at: 2018-07-12 17:11:56
Local clock offset: -0.15 ms
Remote clock offset: 0.036 ms

# Below is generated by plot.py at 2018-07-12 22:43:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 227.15 Mbit/s
95th percentile per-packet one-way delay: 53.042 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 131.69 Mbit/s
95th percentile per-packet one-way delay: 52.977 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 135.80 Mbit/s
95th percentile per-packet one-way delay: 52.764 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 15.64 Mbit/s
95th percentile per-packet one-way delay: 62.279 ms
Loss rate: 7.03%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-12 17:35:23

End at: 2018-07-12 17:35:53

Local clock offset: -0.531 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-12 22:44:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 240.48 Mbit/s

95th percentile per-packet one-way delay: 54.447 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 149.77 Mbit/s

95th percentile per-packet one-way delay: 53.374 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 95.07 Mbit/s

95th percentile per-packet one-way delay: 55.612 ms

Loss rate: 0.50%

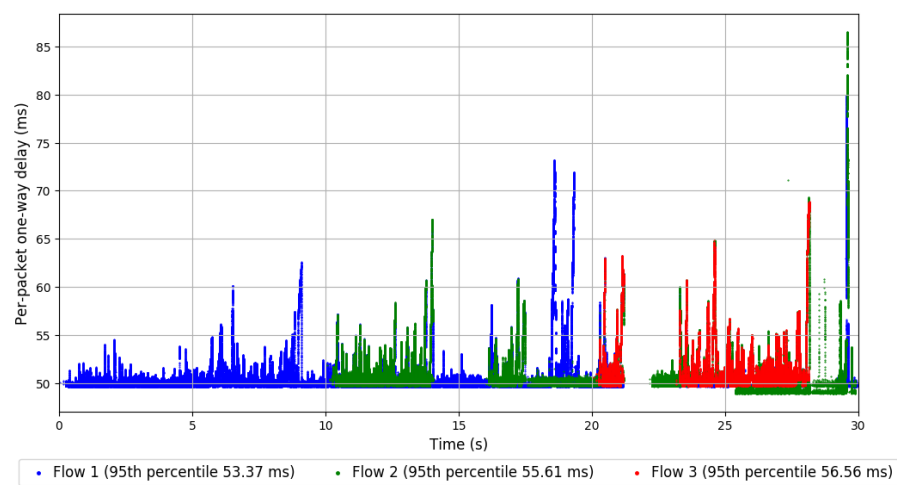
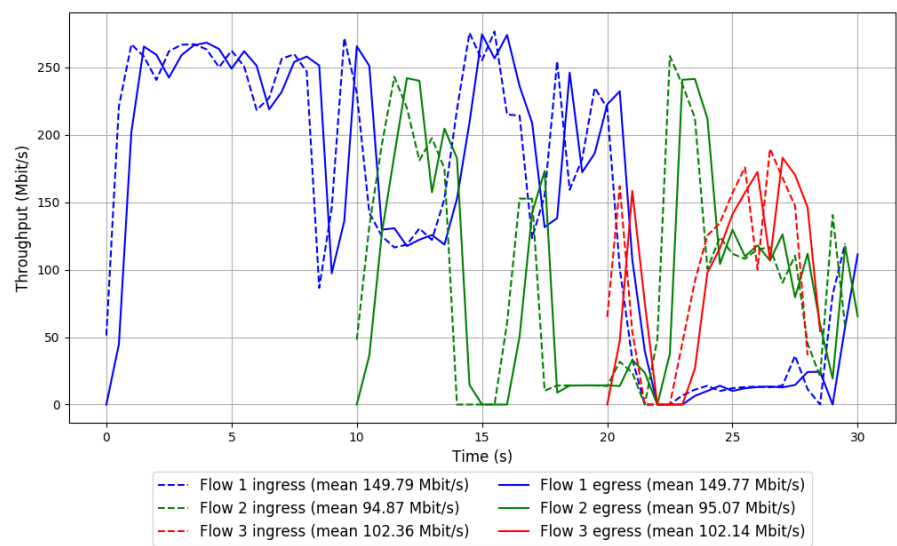
-- Flow 3:

Average throughput: 102.14 Mbit/s

95th percentile per-packet one-way delay: 56.564 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-12 17:59:36

End at: 2018-07-12 18:00:06

Local clock offset: -0.179 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-12 22:44:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 244.58 Mbit/s

95th percentile per-packet one-way delay: 53.107 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 165.33 Mbit/s

95th percentile per-packet one-way delay: 52.238 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 49.60 Mbit/s

95th percentile per-packet one-way delay: 56.682 ms

Loss rate: 0.00%

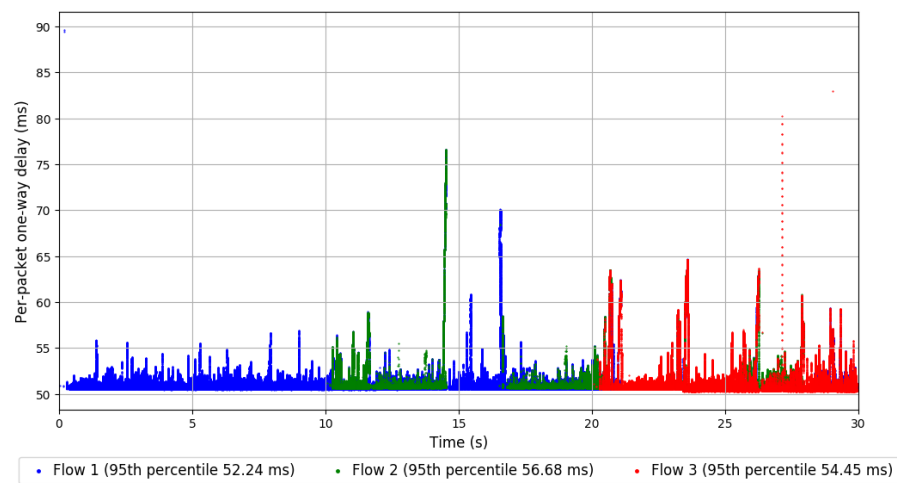
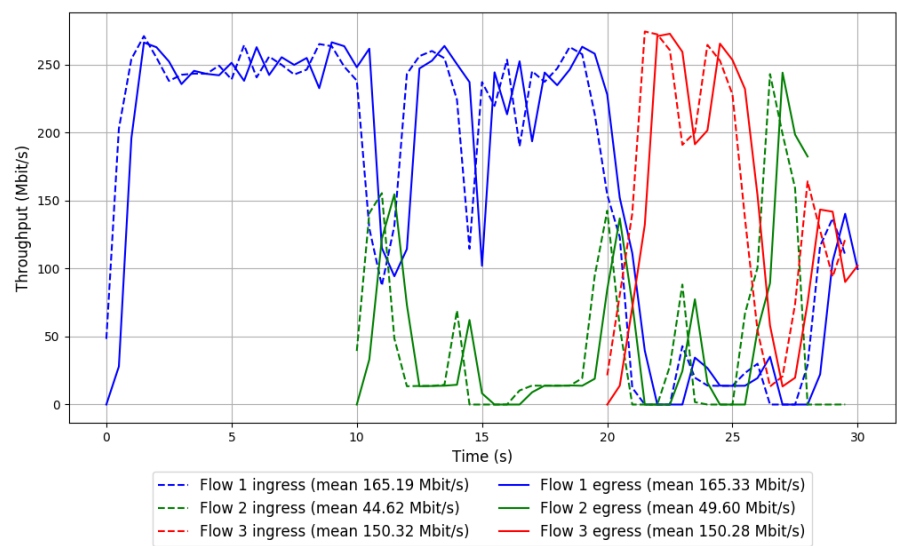
-- Flow 3:

Average throughput: 150.28 Mbit/s

95th percentile per-packet one-way delay: 54.450 ms

Loss rate: 1.05%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-12 18:23:34

End at: 2018-07-12 18:24:04

Local clock offset: -0.138 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-12 22:44:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 208.94 Mbit/s

95th percentile per-packet one-way delay: 52.983 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 127.22 Mbit/s

95th percentile per-packet one-way delay: 52.839 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 40.26 Mbit/s

95th percentile per-packet one-way delay: 56.443 ms

Loss rate: 0.18%

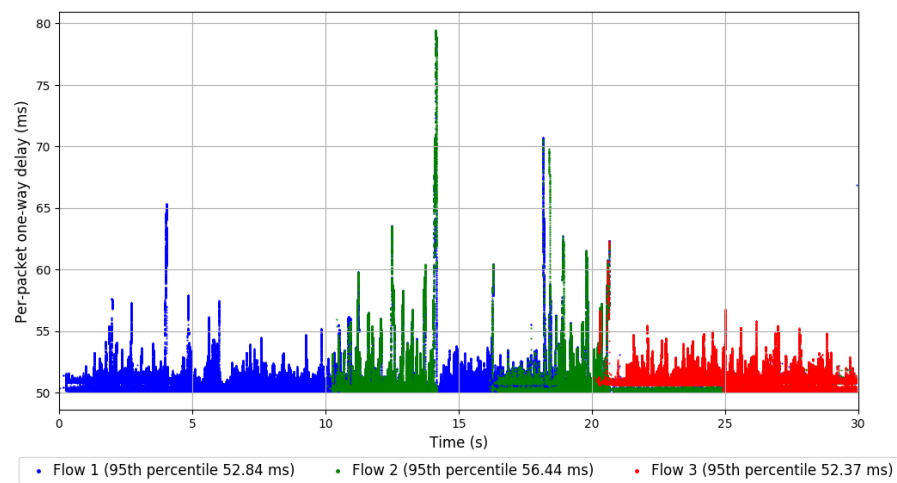
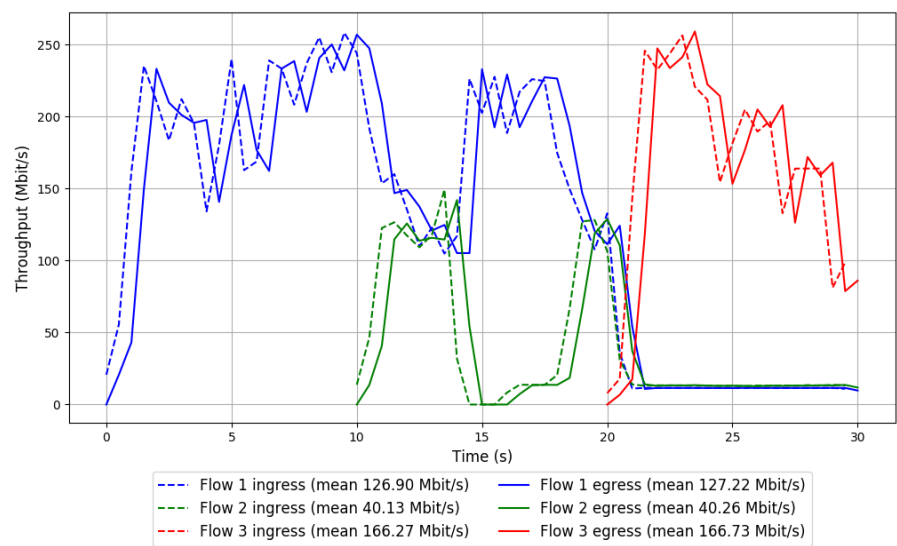
-- Flow 3:

Average throughput: 166.73 Mbit/s

95th percentile per-packet one-way delay: 52.374 ms

Loss rate: 0.76%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-12 18:47:20

End at: 2018-07-12 18:47:50

Local clock offset: -0.15 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-12 22:44:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 207.72 Mbit/s

95th percentile per-packet one-way delay: 53.295 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 94.97 Mbit/s

95th percentile per-packet one-way delay: 53.081 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 110.62 Mbit/s

95th percentile per-packet one-way delay: 53.149 ms

Loss rate: 0.00%

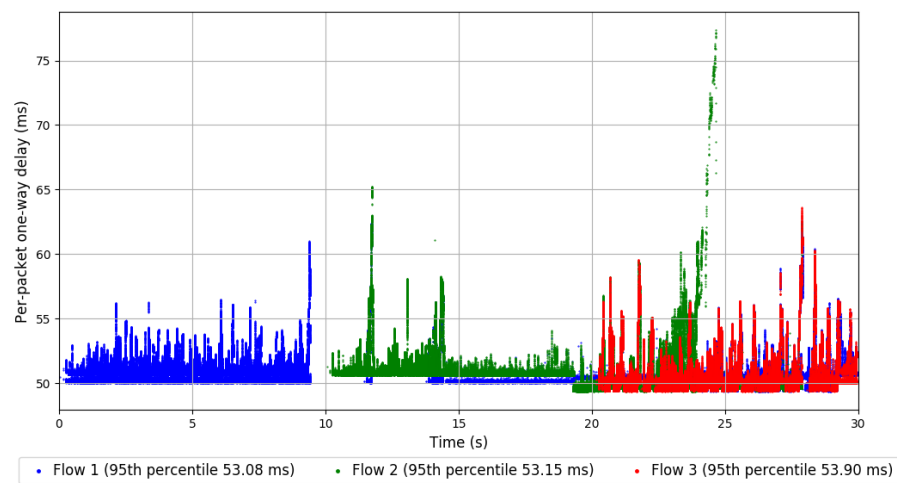
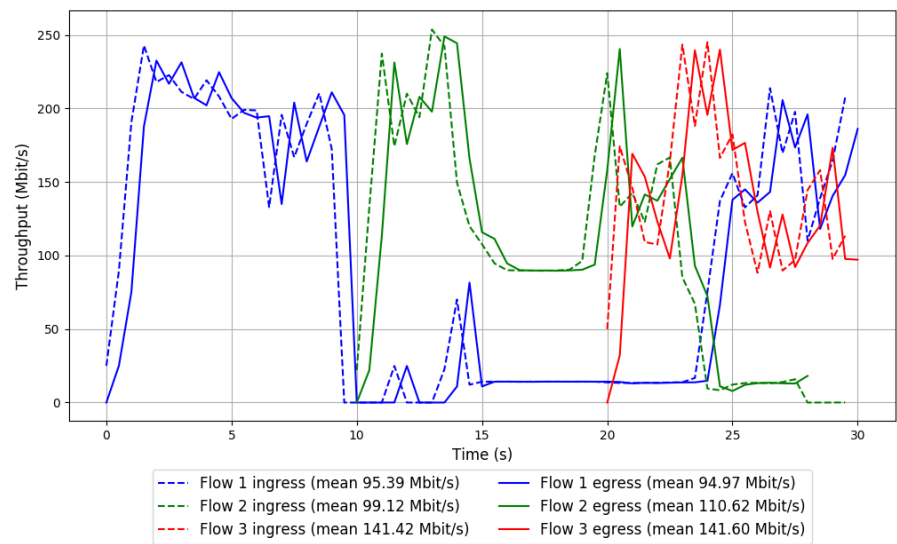
-- Flow 3:

Average throughput: 141.60 Mbit/s

95th percentile per-packet one-way delay: 53.900 ms

Loss rate: 0.90%

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

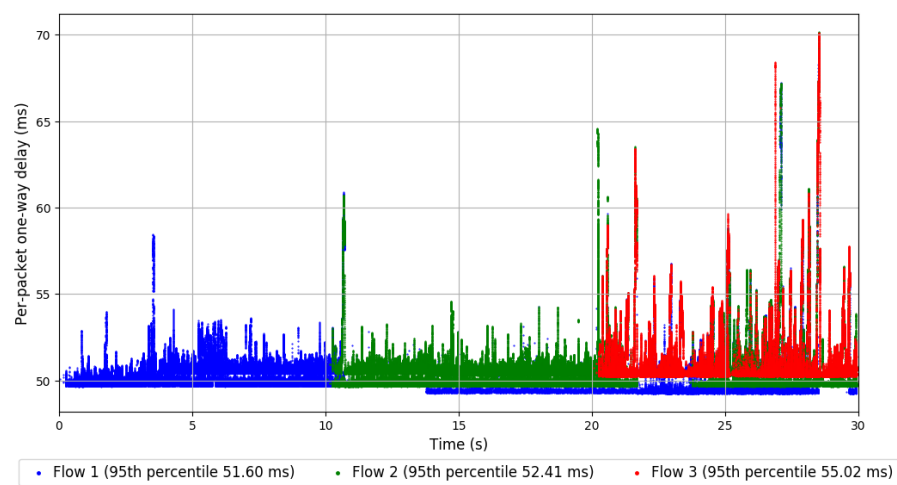
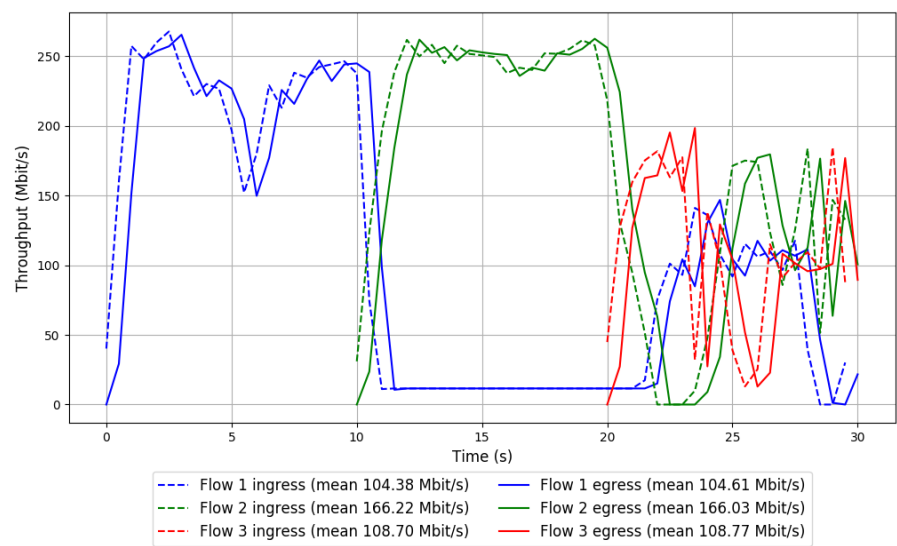


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-12 19:11:25
End at: 2018-07-12 19:11:55
Local clock offset: -0.513 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-12 22:45:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 250.93 Mbit/s
95th percentile per-packet one-way delay: 52.579 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 104.61 Mbit/s
95th percentile per-packet one-way delay: 51.597 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 166.03 Mbit/s
95th percentile per-packet one-way delay: 52.412 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 108.77 Mbit/s
95th percentile per-packet one-way delay: 55.025 ms
Loss rate: 0.96%

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

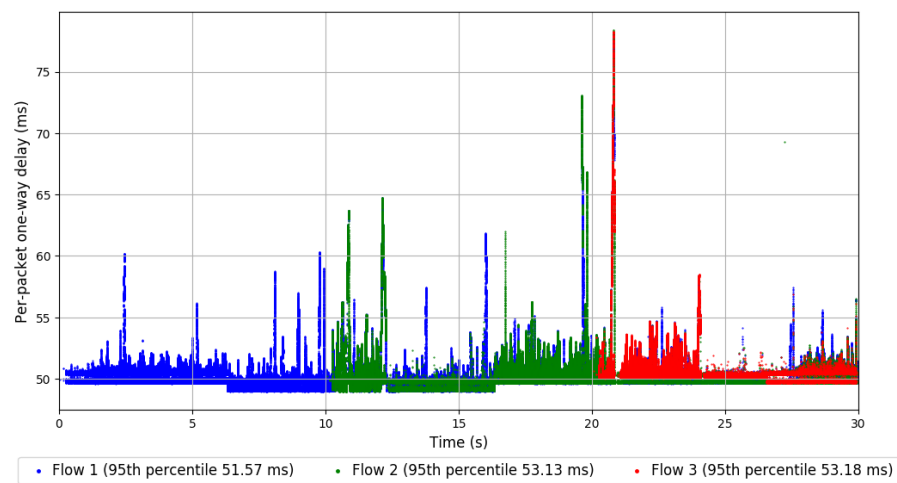
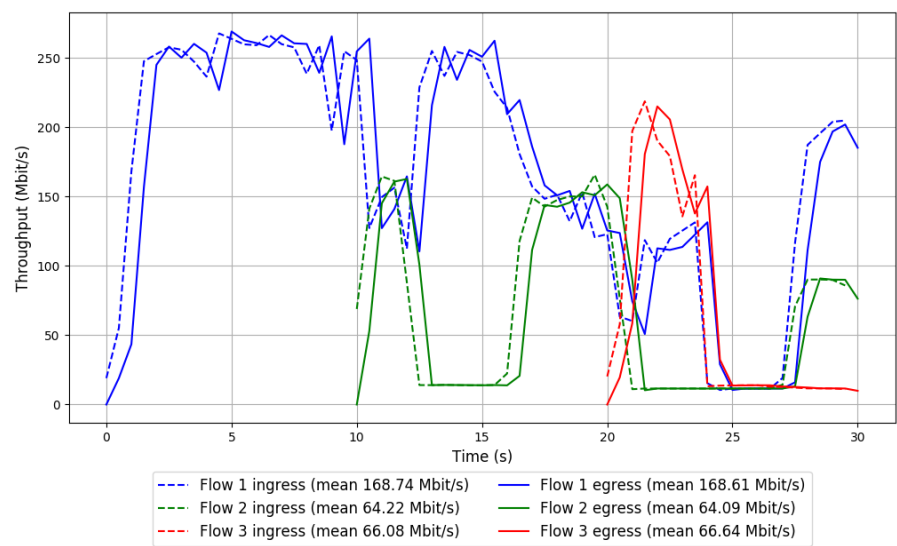


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-12 19:35:32
End at: 2018-07-12 19:36:02
Local clock offset: -0.504 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-12 22:49:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 233.22 Mbit/s
95th percentile per-packet one-way delay: 52.085 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 168.61 Mbit/s
95th percentile per-packet one-way delay: 51.566 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 64.09 Mbit/s
95th percentile per-packet one-way delay: 53.131 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 66.64 Mbit/s
95th percentile per-packet one-way delay: 53.176 ms
Loss rate: 0.18%

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

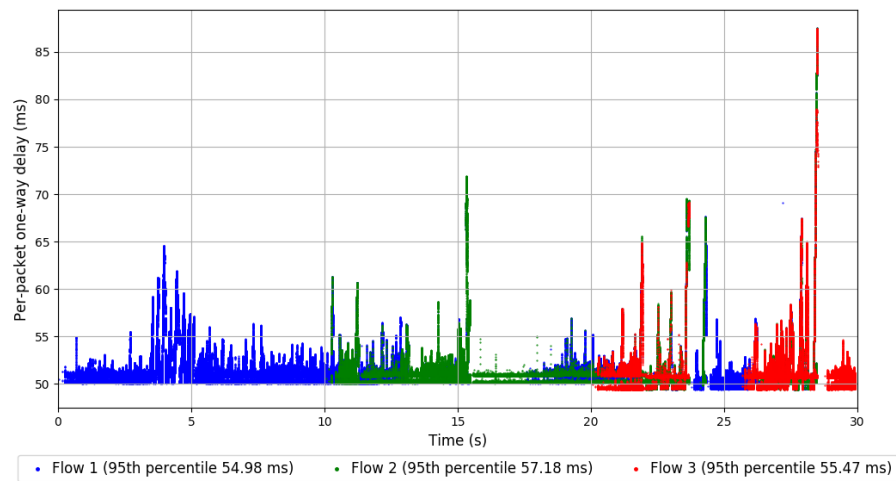
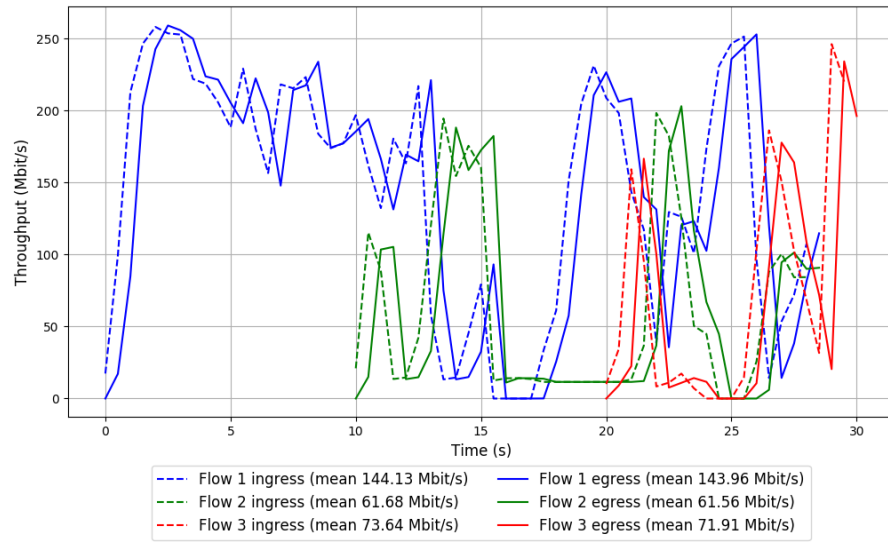


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-12 19:59:37
End at: 2018-07-12 20:00:07
Local clock offset: -0.084 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-12 22:49:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 198.83 Mbit/s
95th percentile per-packet one-way delay: 55.379 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 143.96 Mbit/s
95th percentile per-packet one-way delay: 54.980 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.56 Mbit/s
95th percentile per-packet one-way delay: 57.178 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 71.91 Mbit/s
95th percentile per-packet one-way delay: 55.465 ms
Loss rate: 3.33%

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

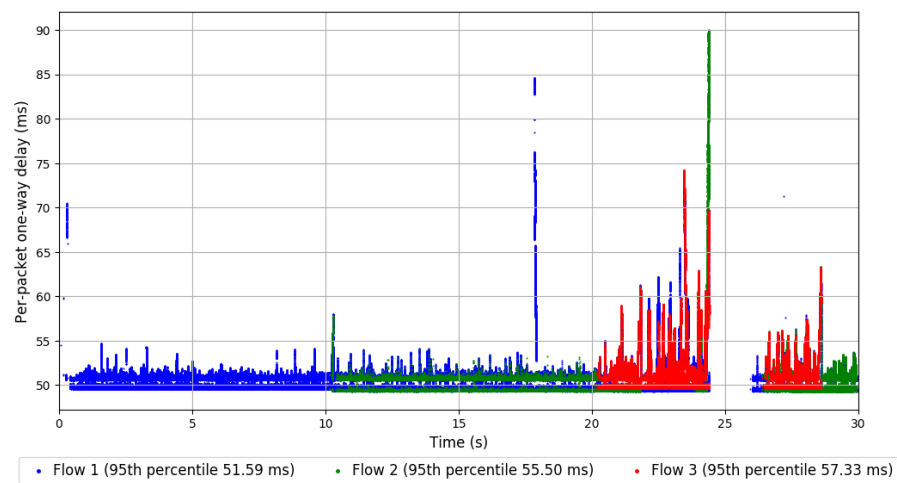
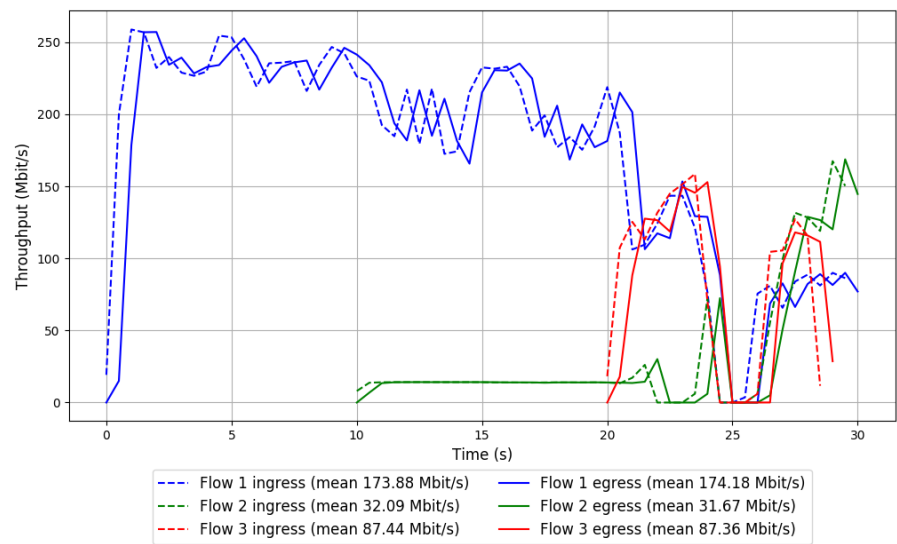


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-07-12 20:23:29
End at: 2018-07-12 20:23:59
Local clock offset: -0.123 ms
Remote clock offset: 0.051 ms

# Below is generated by plot.py at 2018-07-12 22:50:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 220.21 Mbit/s
95th percentile per-packet one-way delay: 52.980 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 174.18 Mbit/s
95th percentile per-packet one-way delay: 51.588 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 31.67 Mbit/s
95th percentile per-packet one-way delay: 55.498 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 57.334 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-12 16:44:05

End at: 2018-07-12 16:44:35

Local clock offset: -0.53 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-07-12 22:50:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 215.49 Mbit/s

95th percentile per-packet one-way delay: 82.605 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 112.28 Mbit/s

95th percentile per-packet one-way delay: 79.209 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 101.17 Mbit/s

95th percentile per-packet one-way delay: 80.266 ms

Loss rate: 0.50%

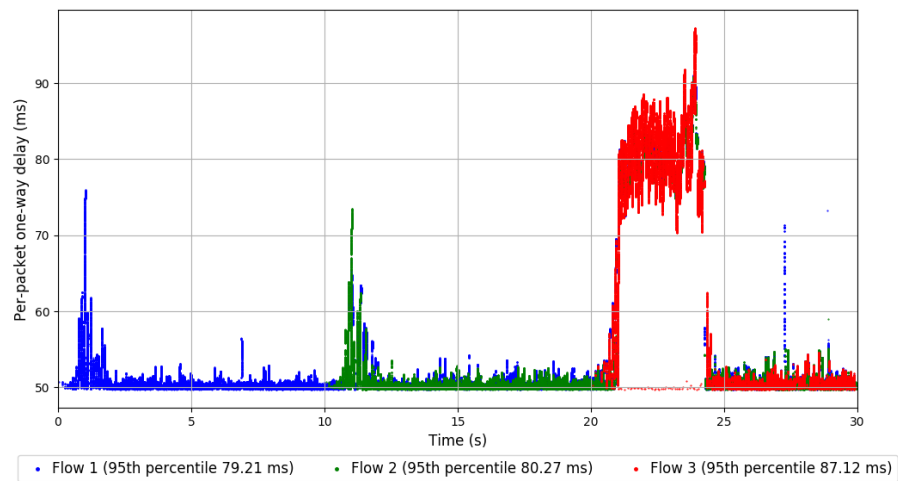
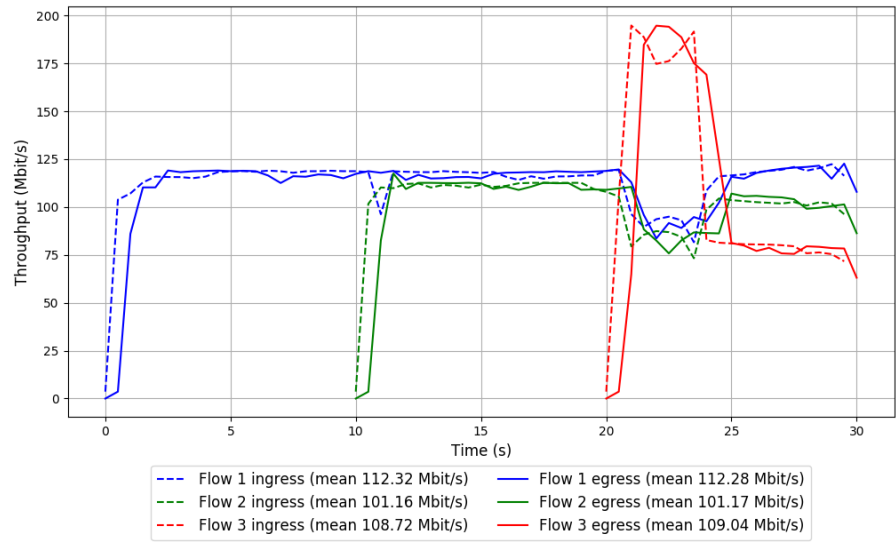
-- Flow 3:

Average throughput: 109.04 Mbit/s

95th percentile per-packet one-way delay: 87.116 ms

Loss rate: 0.73%

Run 1: Report of TCP Vegas — Data Link

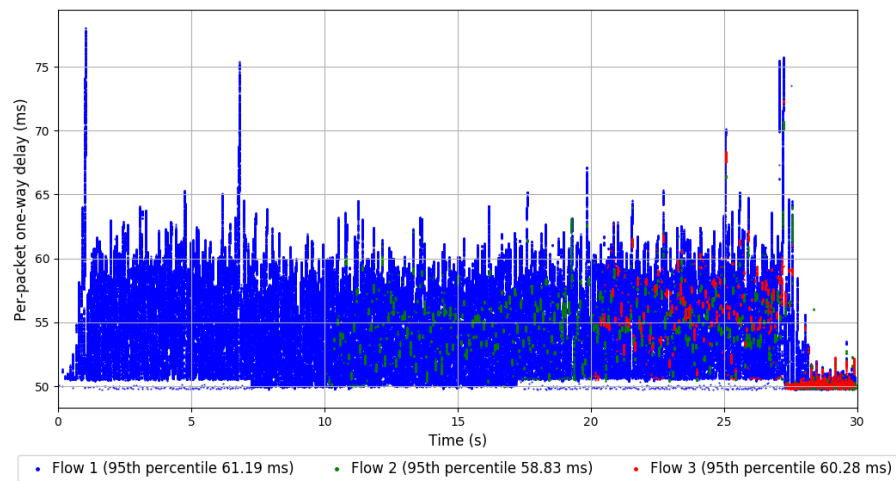
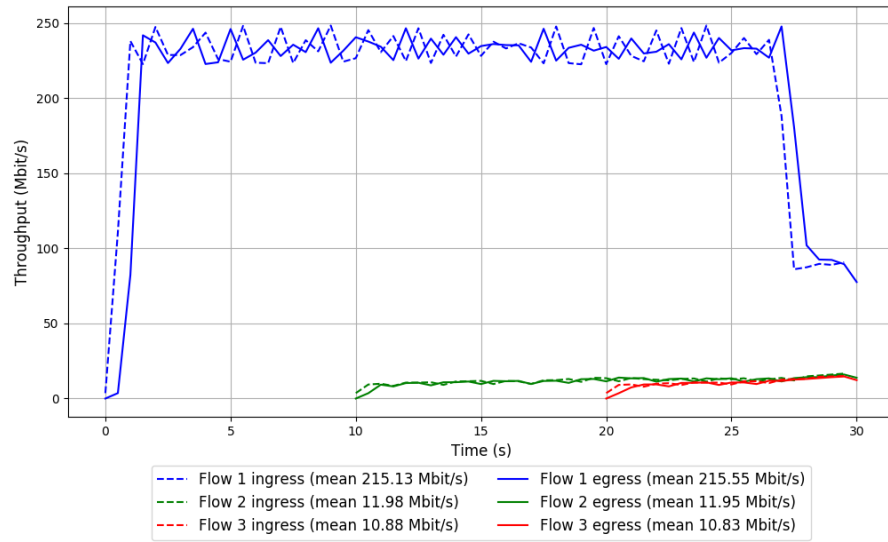


Run 2: Statistics of TCP Vegas

Start at: 2018-07-12 17:08:12
End at: 2018-07-12 17:08:42
Local clock offset: -0.494 ms
Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-07-12 22:50:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 226.94 Mbit/s
95th percentile per-packet one-way delay: 61.137 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 215.55 Mbit/s
95th percentile per-packet one-way delay: 61.188 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 58.827 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 10.83 Mbit/s
95th percentile per-packet one-way delay: 60.284 ms
Loss rate: 1.44%

Run 2: Report of TCP Vegas — Data Link

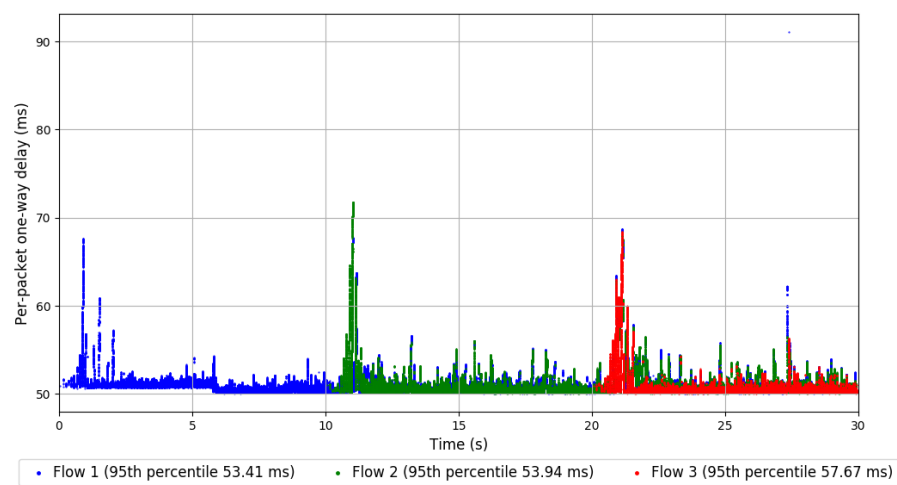
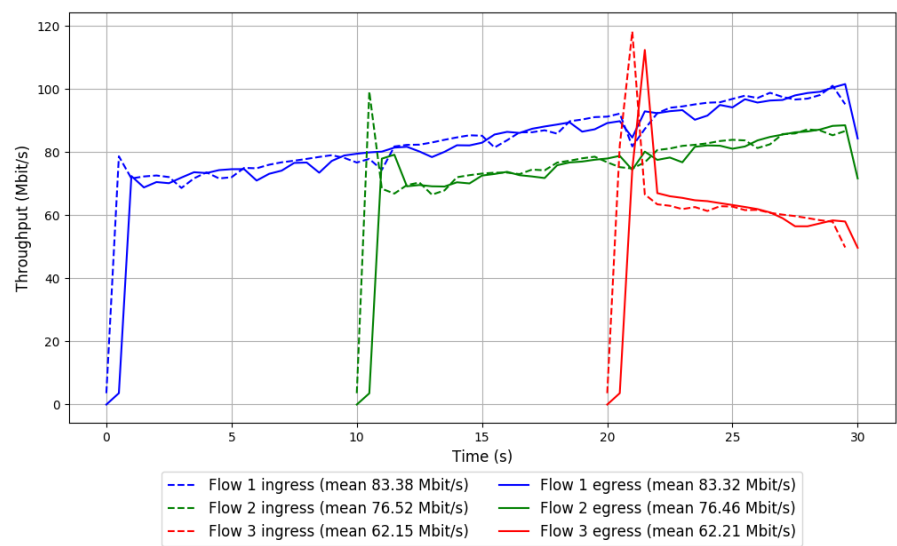


Run 3: Statistics of TCP Vegas

Start at: 2018-07-12 17:32:13
End at: 2018-07-12 17:32:43
Local clock offset: -0.17 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-12 22:50:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 154.65 Mbit/s
95th percentile per-packet one-way delay: 53.881 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 83.32 Mbit/s
95th percentile per-packet one-way delay: 53.411 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 76.46 Mbit/s
95th percentile per-packet one-way delay: 53.938 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 62.21 Mbit/s
95th percentile per-packet one-way delay: 57.667 ms
Loss rate: 0.92%

Run 3: Report of TCP Vegas — Data Link

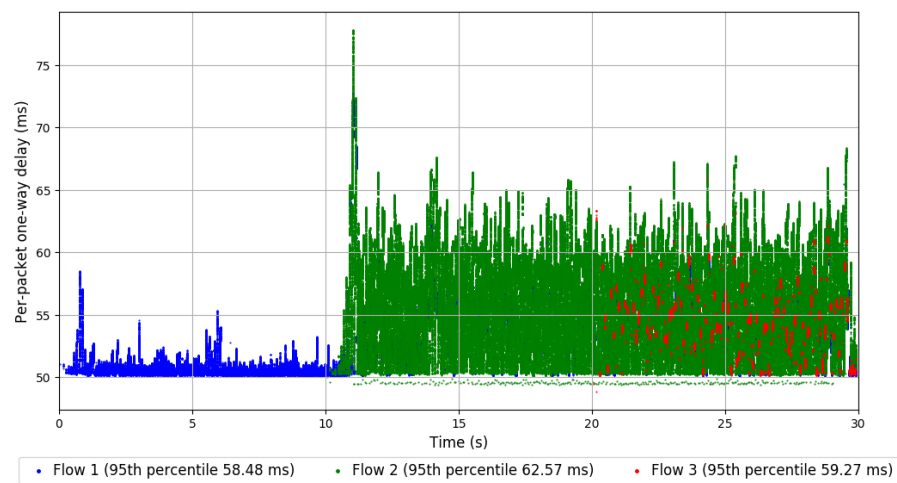
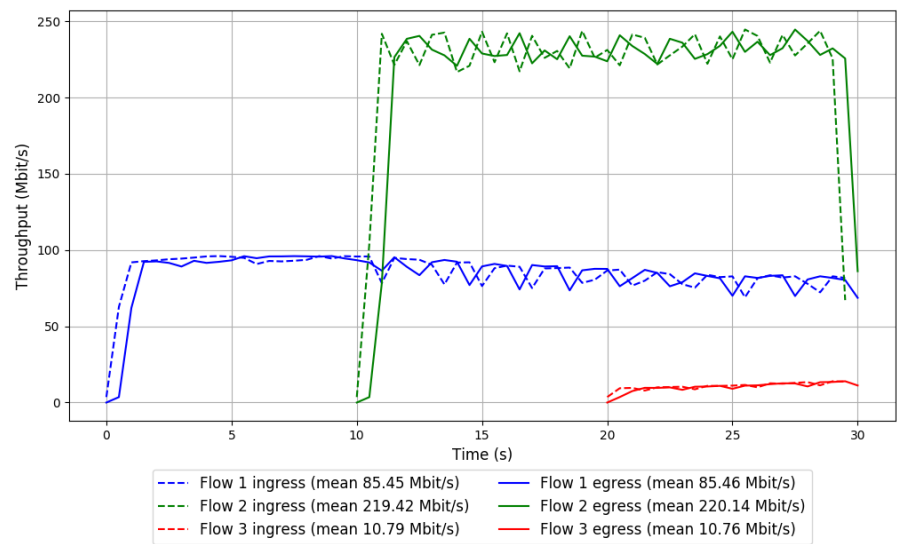


Run 4: Statistics of TCP Vegas

Start at: 2018-07-12 17:56:20
End at: 2018-07-12 17:56:50
Local clock offset: -0.177 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-12 22:50:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 235.28 Mbit/s
95th percentile per-packet one-way delay: 61.914 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 85.46 Mbit/s
95th percentile per-packet one-way delay: 58.476 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 220.14 Mbit/s
95th percentile per-packet one-way delay: 62.567 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 10.76 Mbit/s
95th percentile per-packet one-way delay: 59.271 ms
Loss rate: 1.32%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-12 18:20:22

End at: 2018-07-12 18:20:52

Local clock offset: -0.184 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-07-12 22:50:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 167.95 Mbit/s

95th percentile per-packet one-way delay: 53.801 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 108.06 Mbit/s

95th percentile per-packet one-way delay: 53.828 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 56.19 Mbit/s

95th percentile per-packet one-way delay: 53.566 ms

Loss rate: 0.63%

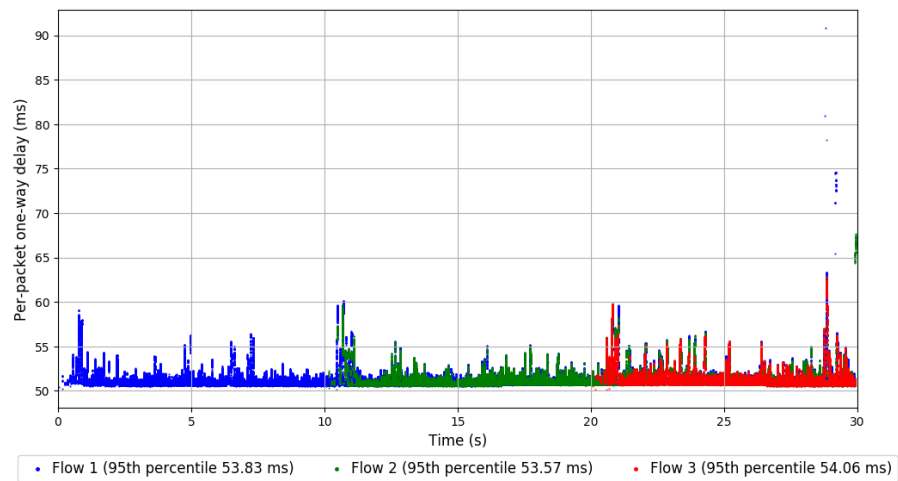
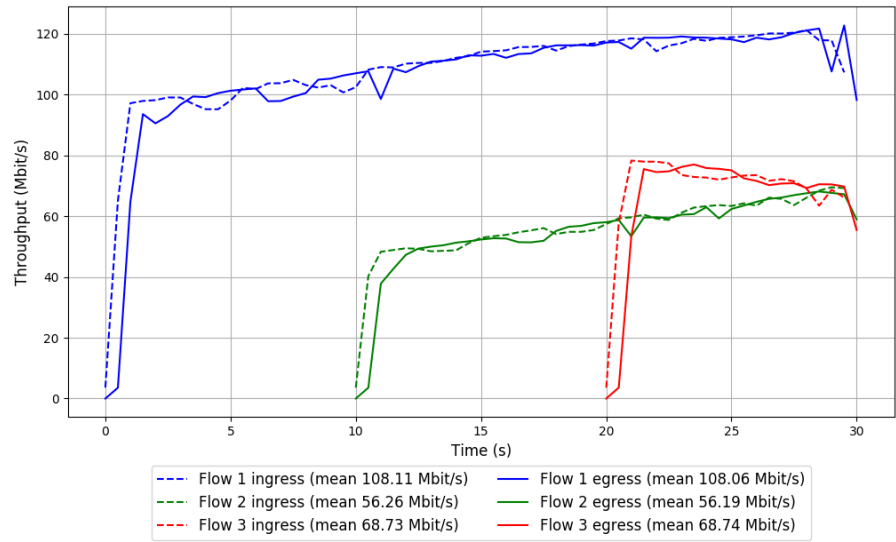
-- Flow 3:

Average throughput: 68.74 Mbit/s

95th percentile per-packet one-way delay: 54.063 ms

Loss rate: 1.01%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-12 18:44:05

End at: 2018-07-12 18:44:35

Local clock offset: -0.455 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-12 22:50:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 164.94 Mbit/s

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

Loss rate: 0.42%

-- Flow 1:

Average throughput: 73.19 Mbit/s

95th percentile per-packet one-way delay: 63.908 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 76.03 Mbit/s

95th percentile per-packet one-way delay: 65.638 ms

Loss rate: 0.55%

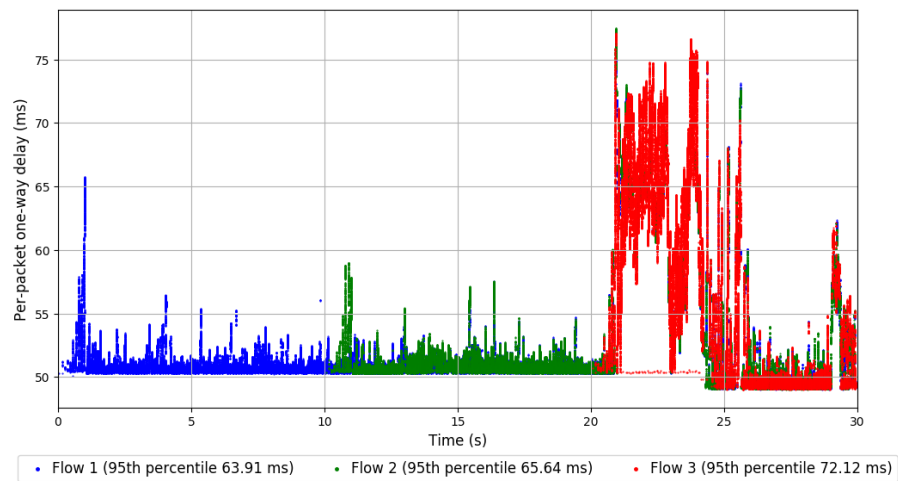
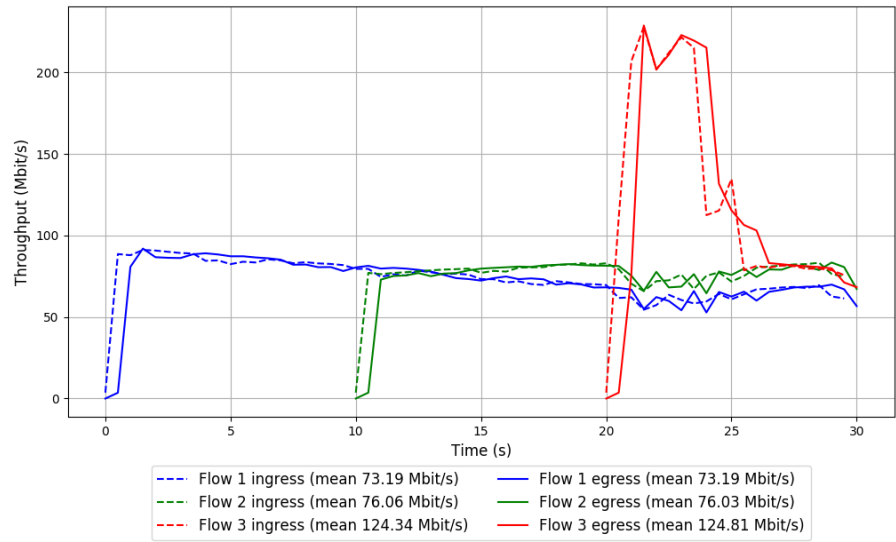
-- Flow 3:

Average throughput: 124.81 Mbit/s

95th percentile per-packet one-way delay: 72.124 ms

Loss rate: 0.63%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-12 19:08:11

End at: 2018-07-12 19:08:41

Local clock offset: 0.235 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-12 22:51:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 232.14 Mbit/s

95th percentile per-packet one-way delay: 74.000 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 151.49 Mbit/s

95th percentile per-packet one-way delay: 63.864 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 80.62 Mbit/s

95th percentile per-packet one-way delay: 71.313 ms

Loss rate: 0.50%

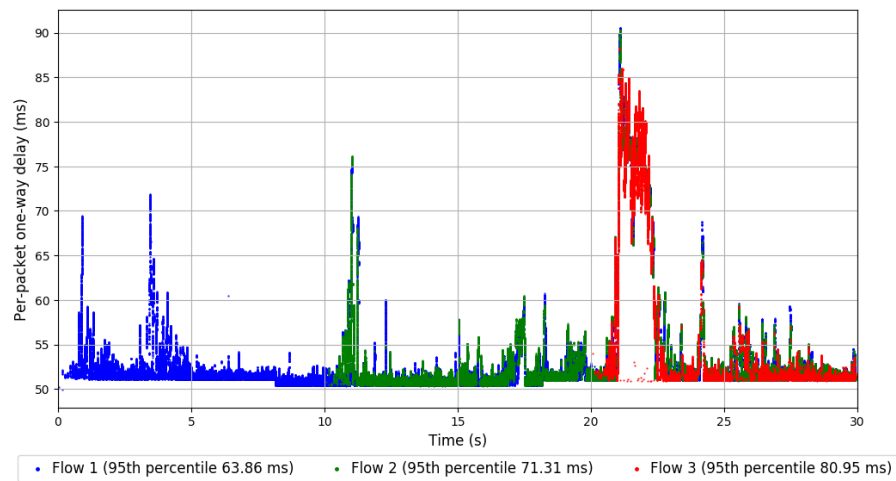
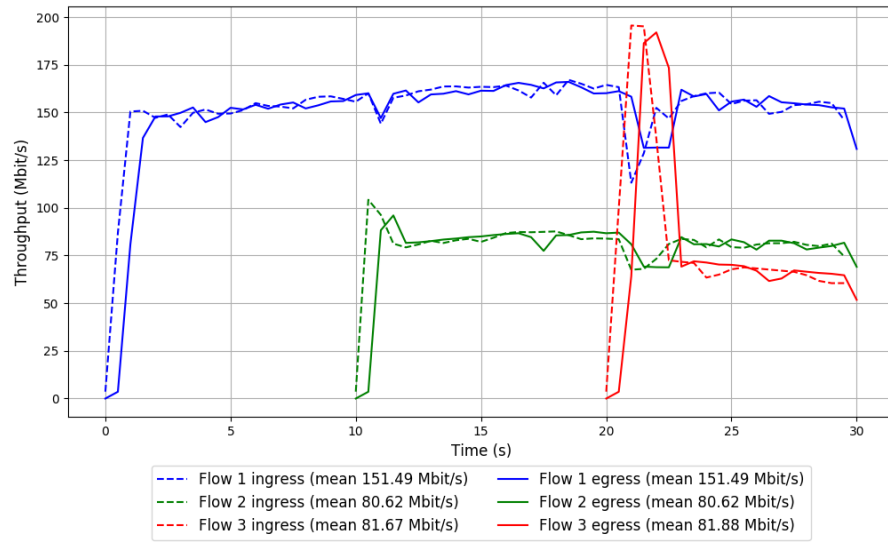
-- Flow 3:

Average throughput: 81.88 Mbit/s

95th percentile per-packet one-way delay: 80.948 ms

Loss rate: 0.78%

Run 7: Report of TCP Vegas — Data Link

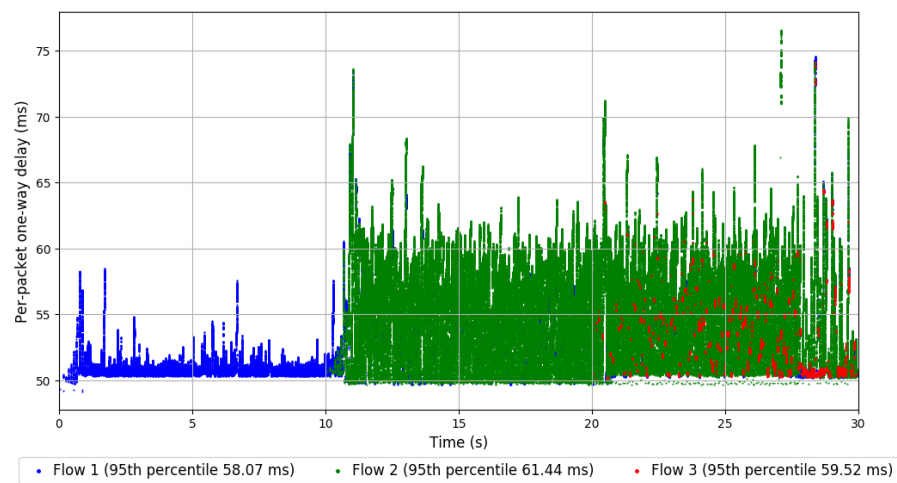
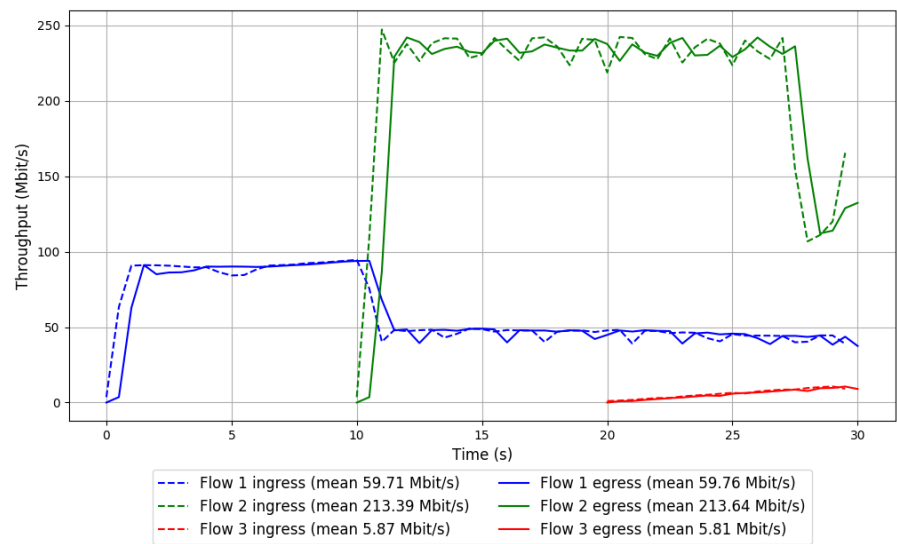


Run 8: Statistics of TCP Vegas

Start at: 2018-07-12 19:32:18
End at: 2018-07-12 19:32:48
Local clock offset: -0.507 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-12 22:51:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 203.72 Mbit/s
95th percentile per-packet one-way delay: 61.094 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 59.76 Mbit/s
95th percentile per-packet one-way delay: 58.074 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 213.64 Mbit/s
95th percentile per-packet one-way delay: 61.438 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 5.81 Mbit/s
95th percentile per-packet one-way delay: 59.515 ms
Loss rate: 2.03%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-12 19:56:27

End at: 2018-07-12 19:56:57

Local clock offset: -0.458 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-12 22:51:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 195.60 Mbit/s

95th percentile per-packet one-way delay: 64.842 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 55.68 Mbit/s

95th percentile per-packet one-way delay: 61.136 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 147.02 Mbit/s

95th percentile per-packet one-way delay: 63.209 ms

Loss rate: 0.53%

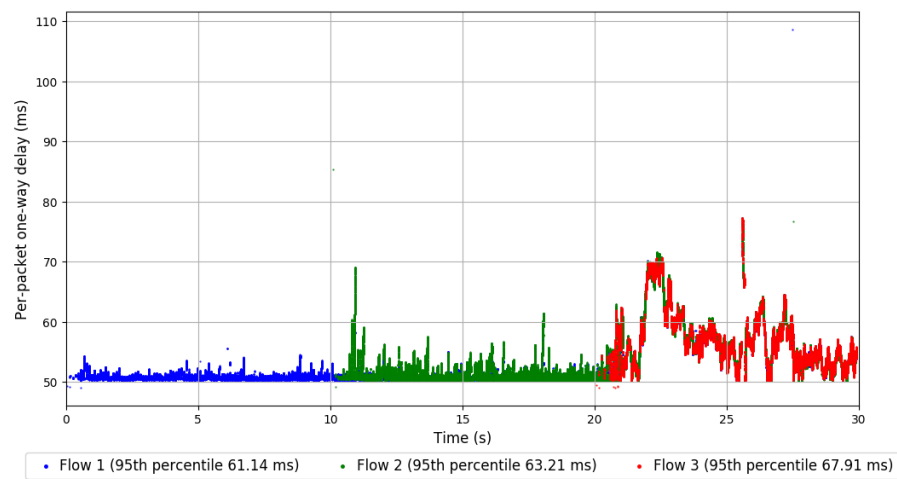
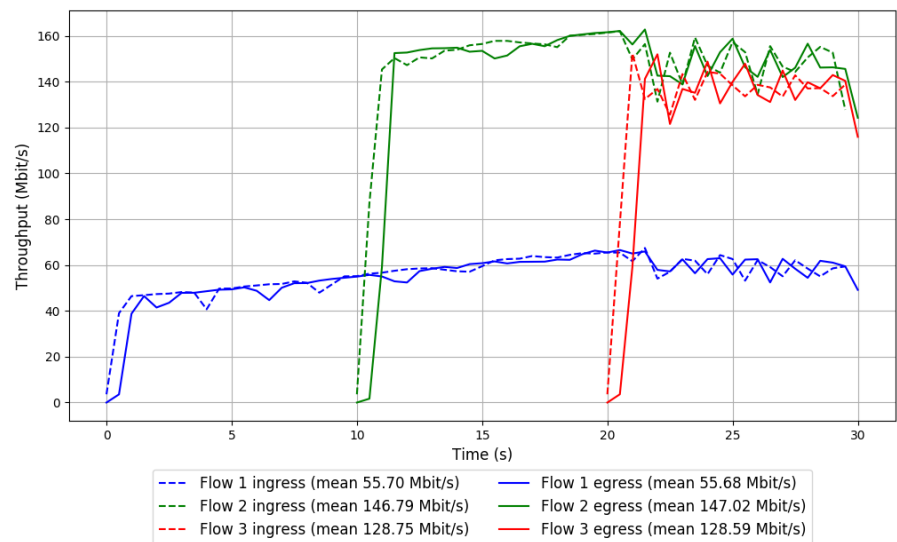
-- Flow 3:

Average throughput: 128.59 Mbit/s

95th percentile per-packet one-way delay: 67.907 ms

Loss rate: 1.11%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-12 20:20:20

End at: 2018-07-12 20:20:50

Local clock offset: 0.25 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-12 22:51:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.38 Mbit/s

95th percentile per-packet one-way delay: 52.648 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 45.92 Mbit/s

95th percentile per-packet one-way delay: 52.564 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 38.21 Mbit/s

95th percentile per-packet one-way delay: 52.855 ms

Loss rate: 0.37%

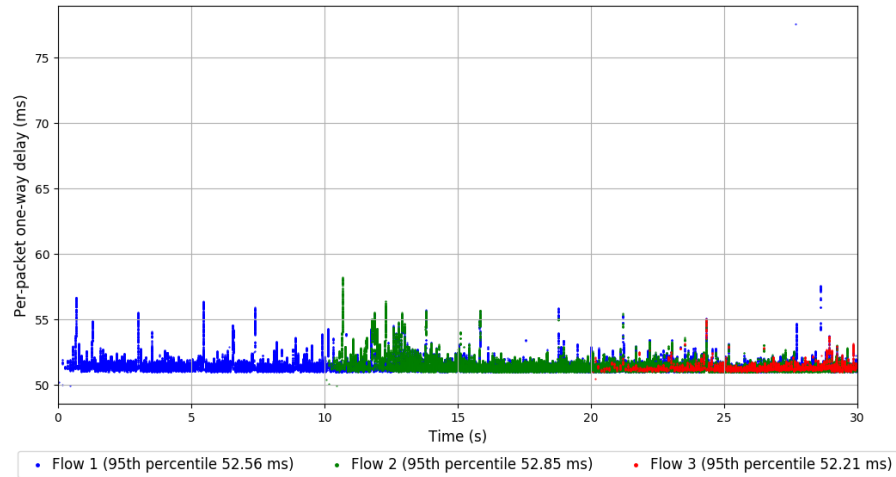
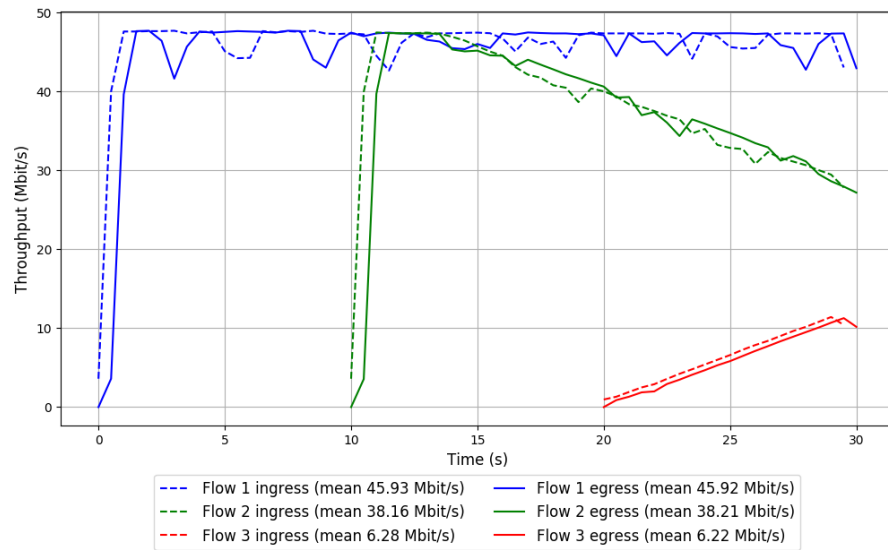
-- Flow 3:

Average throughput: 6.22 Mbit/s

95th percentile per-packet one-way delay: 52.214 ms

Loss rate: 1.97%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-12 16:53:10

End at: 2018-07-12 16:53:40

Local clock offset: -0.148 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-07-12 22:54:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 322.25 Mbit/s

95th percentile per-packet one-way delay: 169.058 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 227.52 Mbit/s

95th percentile per-packet one-way delay: 157.117 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 109.74 Mbit/s

95th percentile per-packet one-way delay: 178.128 ms

Loss rate: 1.48%

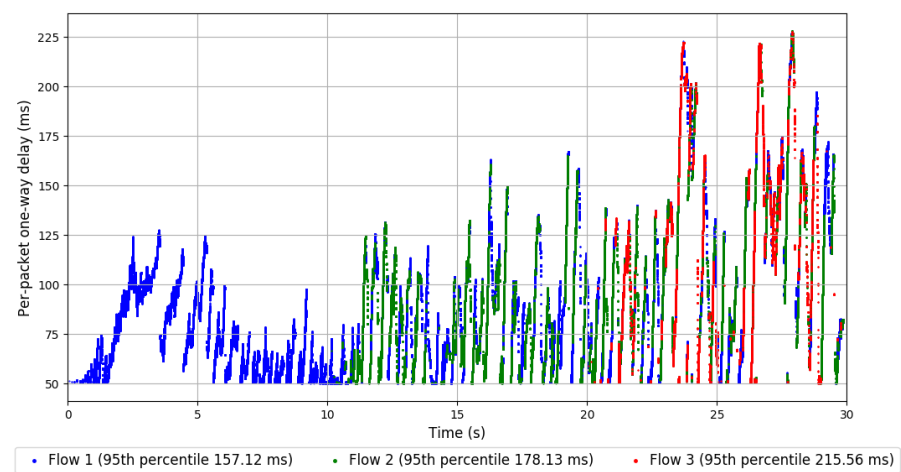
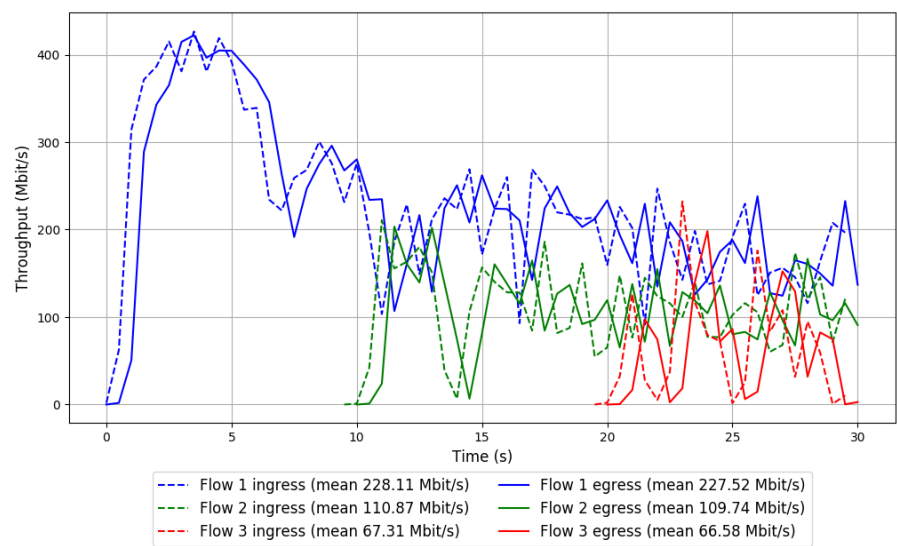
-- Flow 3:

Average throughput: 66.58 Mbit/s

95th percentile per-packet one-way delay: 215.560 ms

Loss rate: 2.22%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-12 17:17:18

End at: 2018-07-12 17:17:48

Local clock offset: -0.164 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-12 22:55:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 327.19 Mbit/s

95th percentile per-packet one-way delay: 148.327 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 190.88 Mbit/s

95th percentile per-packet one-way delay: 136.691 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 153.31 Mbit/s

95th percentile per-packet one-way delay: 151.875 ms

Loss rate: 0.36%

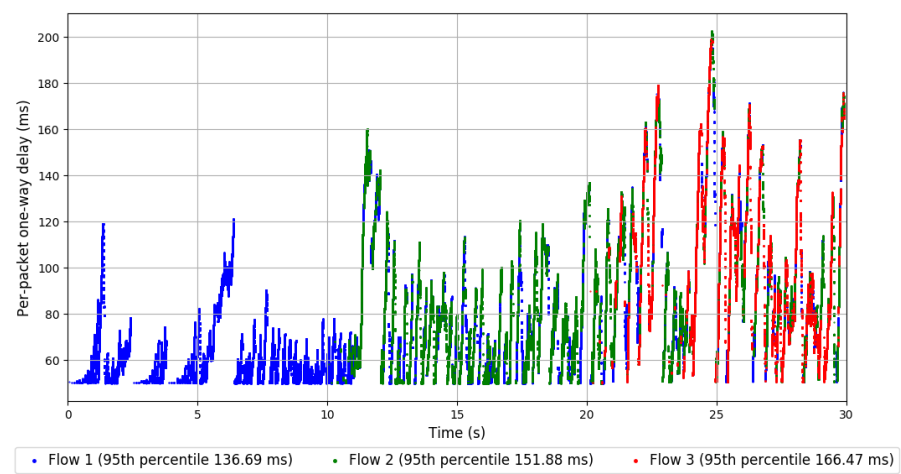
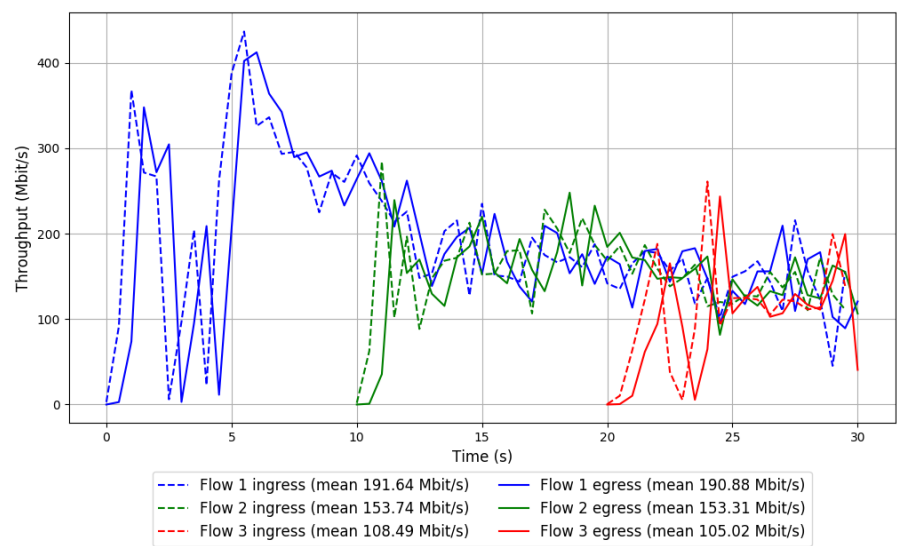
-- Flow 3:

Average throughput: 105.02 Mbit/s

95th percentile per-packet one-way delay: 166.474 ms

Loss rate: 4.56%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-12 17:41:22

End at: 2018-07-12 17:41:52

Local clock offset: 0.214 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-12 22:55:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 296.92 Mbit/s

95th percentile per-packet one-way delay: 166.869 ms

Loss rate: 1.15%

-- Flow 1:

Average throughput: 185.84 Mbit/s

95th percentile per-packet one-way delay: 154.942 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 137.77 Mbit/s

95th percentile per-packet one-way delay: 187.222 ms

Loss rate: 2.07%

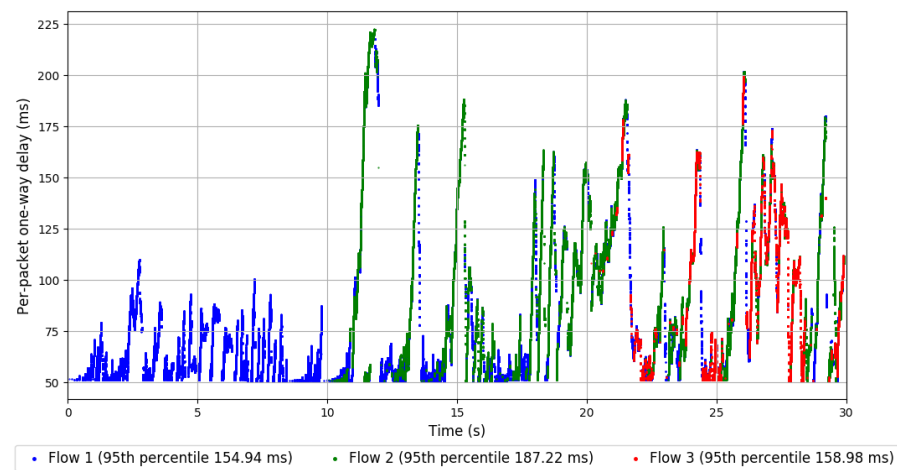
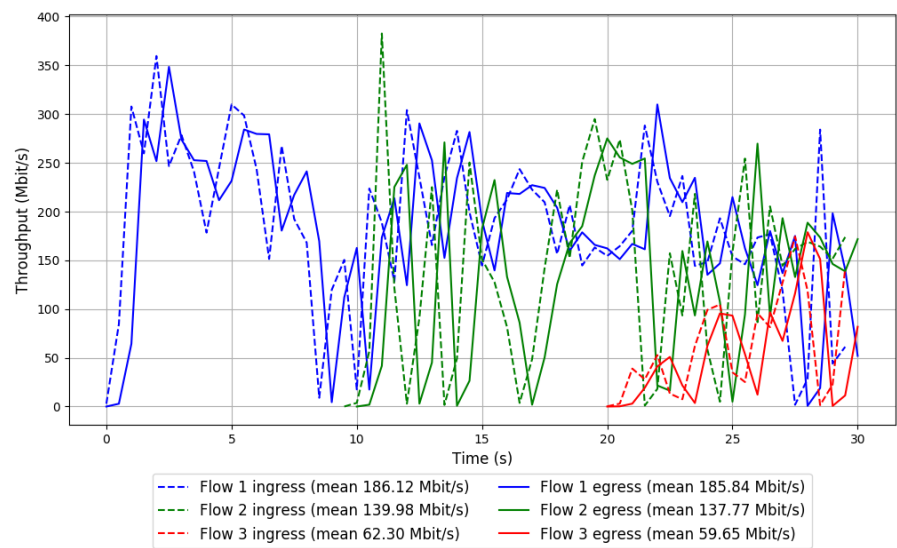
-- Flow 3:

Average throughput: 59.65 Mbit/s

95th percentile per-packet one-way delay: 158.976 ms

Loss rate: 5.83%

Run 3: Report of Verus — Data Link

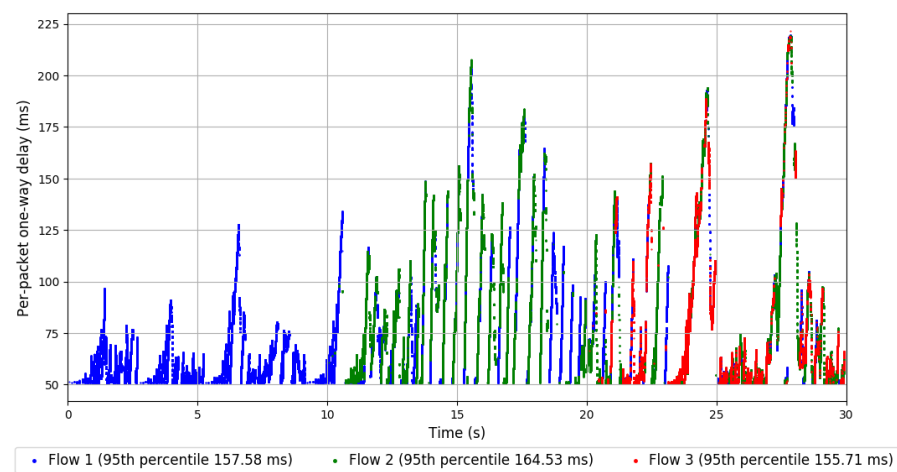
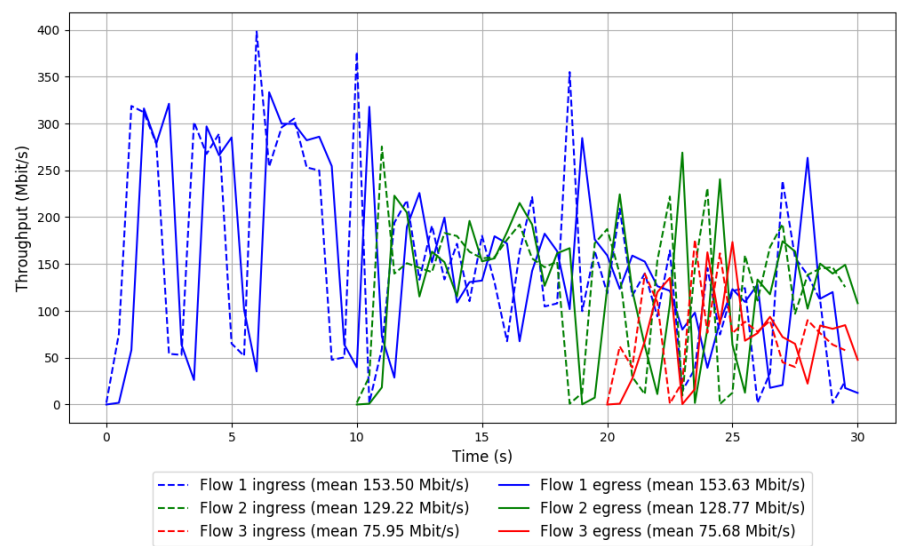


Run 4: Statistics of Verus

Start at: 2018-07-12 18:05:30
End at: 2018-07-12 18:06:00
Local clock offset: -0.152 ms
Remote clock offset: 0.035 ms

```
# Below is generated by plot.py at 2018-07-12 22:55:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 263.64 Mbit/s
95th percentile per-packet one-way delay: 161.298 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 153.63 Mbit/s
95th percentile per-packet one-way delay: 157.578 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 128.77 Mbit/s
95th percentile per-packet one-way delay: 164.526 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 75.68 Mbit/s
95th percentile per-packet one-way delay: 155.710 ms
Loss rate: 0.69%
```

Run 4: Report of Verus — Data Link

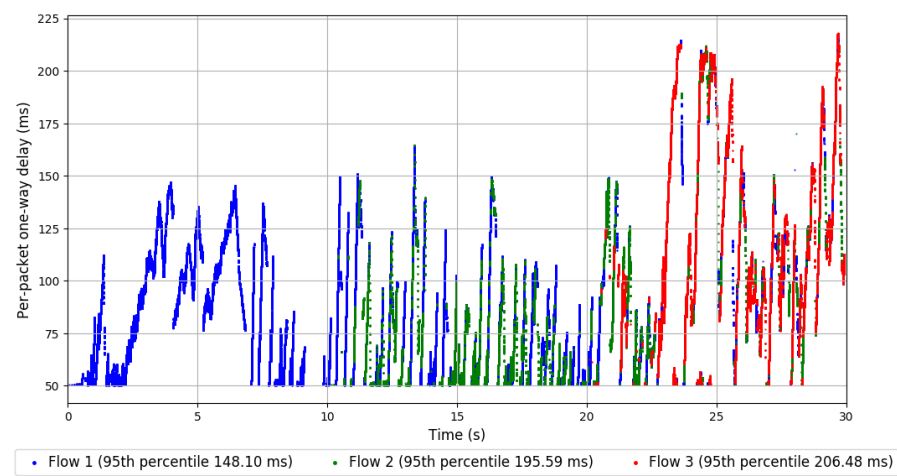
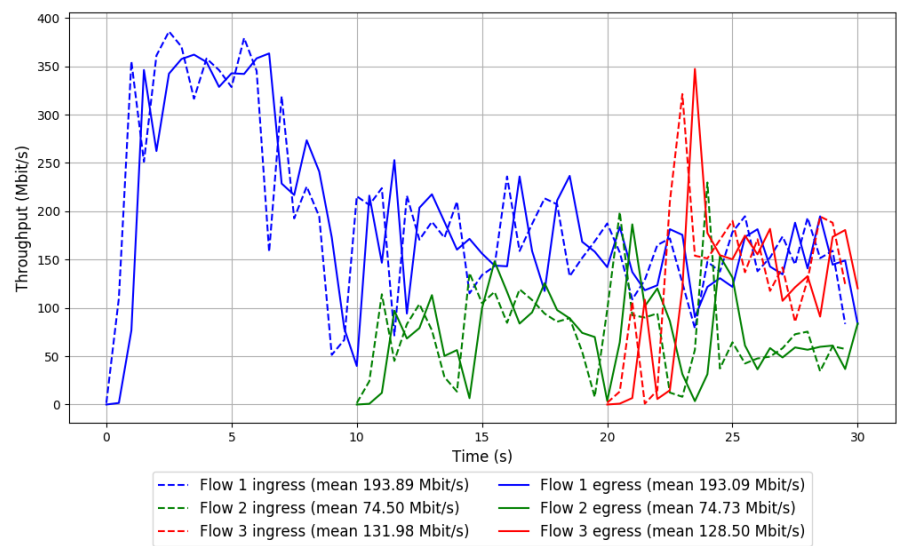


Run 5: Statistics of Verus

Start at: 2018-07-12 18:29:14
End at: 2018-07-12 18:29:44
Local clock offset: -0.084 ms
Remote clock offset: 0.016 ms

```
# Below is generated by plot.py at 2018-07-12 22:55:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 284.93 Mbit/s
95th percentile per-packet one-way delay: 188.197 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 193.09 Mbit/s
95th percentile per-packet one-way delay: 148.102 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 74.73 Mbit/s
95th percentile per-packet one-way delay: 195.587 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 128.50 Mbit/s
95th percentile per-packet one-way delay: 206.476 ms
Loss rate: 3.72%
```


Run 5: Report of Verus — Data Link

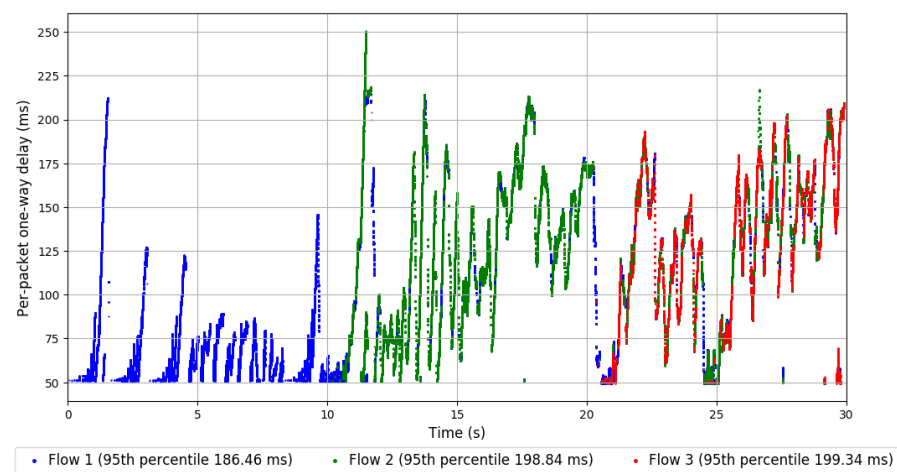
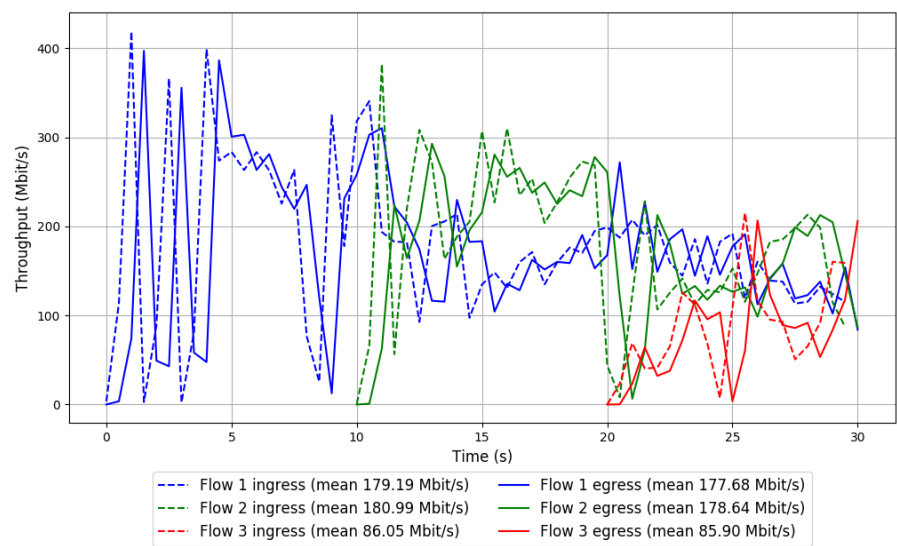


Run 6: Statistics of Verus

Start at: 2018-07-12 18:53:10
End at: 2018-07-12 18:53:40
Local clock offset: -0.144 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-12 22:57:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 324.23 Mbit/s
95th percentile per-packet one-way delay: 194.817 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 177.68 Mbit/s
95th percentile per-packet one-way delay: 186.459 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 178.64 Mbit/s
95th percentile per-packet one-way delay: 198.844 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 85.90 Mbit/s
95th percentile per-packet one-way delay: 199.342 ms
Loss rate: 2.39%

Run 6: Report of Verus — Data Link

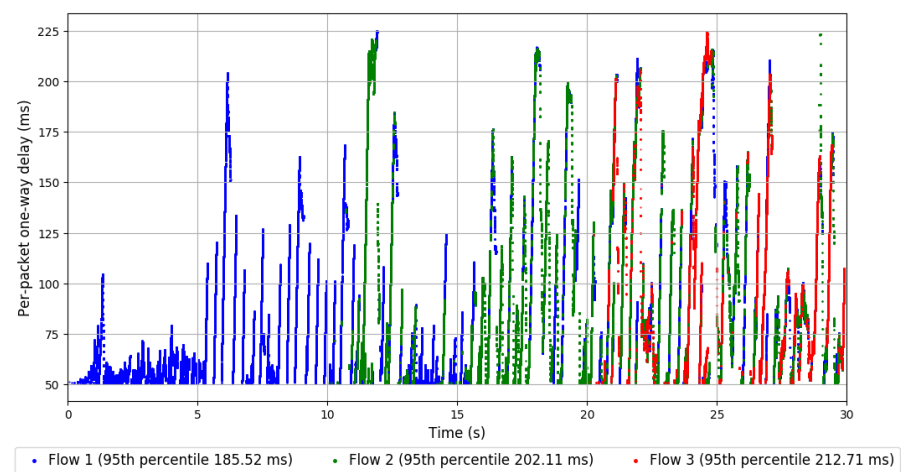
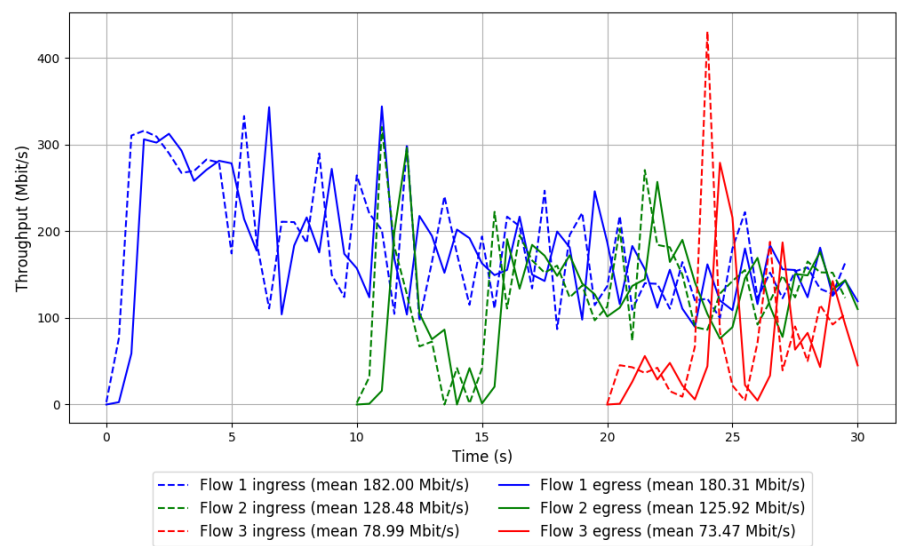


Run 7: Statistics of Verus

Start at: 2018-07-12 19:17:20
End at: 2018-07-12 19:17:50
Local clock offset: -0.182 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-12 22:57:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 288.18 Mbit/s
95th percentile per-packet one-way delay: 196.648 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 180.31 Mbit/s
95th percentile per-packet one-way delay: 185.521 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 125.92 Mbit/s
95th percentile per-packet one-way delay: 202.111 ms
Loss rate: 2.17%
-- Flow 3:
Average throughput: 73.47 Mbit/s
95th percentile per-packet one-way delay: 212.706 ms
Loss rate: 6.86%

Run 7: Report of Verus — Data Link

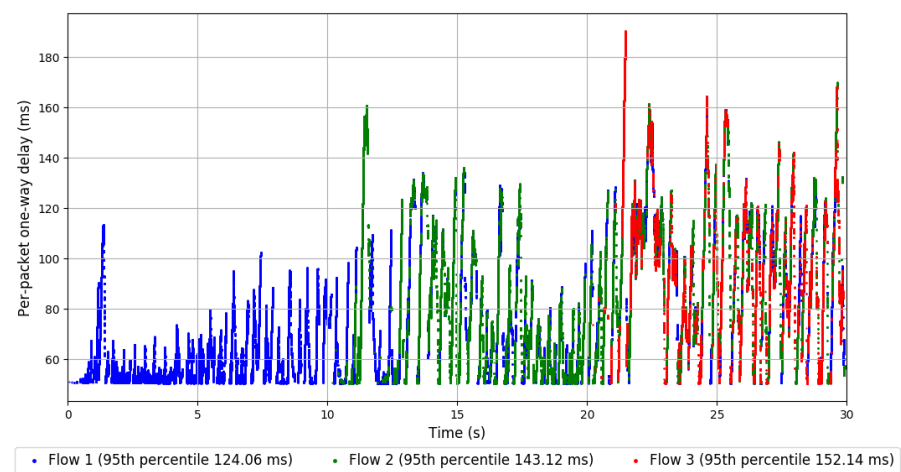
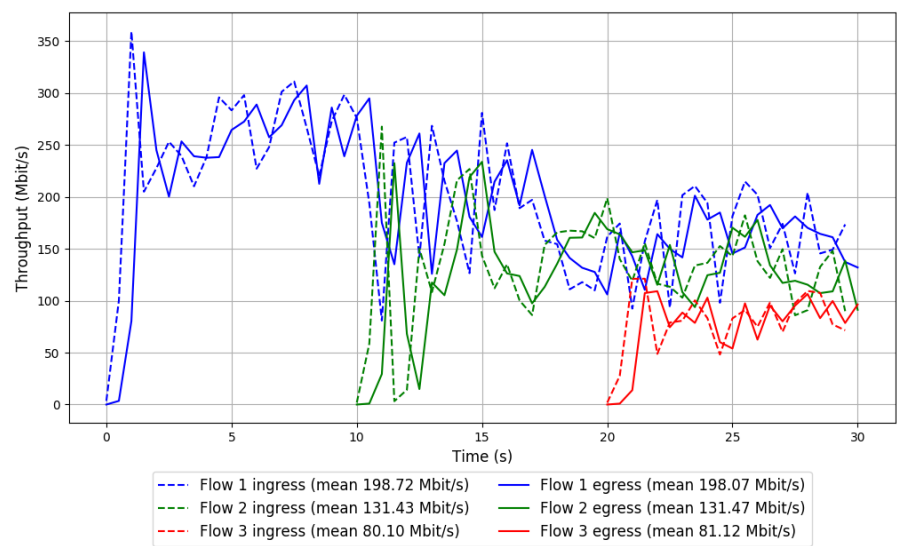


Run 8: Statistics of Verus

Start at: 2018-07-12 19:41:25
End at: 2018-07-12 19:41:55
Local clock offset: -0.114 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-12 22:57:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 311.88 Mbit/s
95th percentile per-packet one-way delay: 130.193 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 198.07 Mbit/s
95th percentile per-packet one-way delay: 124.064 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 131.47 Mbit/s
95th percentile per-packet one-way delay: 143.124 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 81.12 Mbit/s
95th percentile per-packet one-way delay: 152.141 ms
Loss rate: 0.49%

Run 8: Report of Verus — Data Link

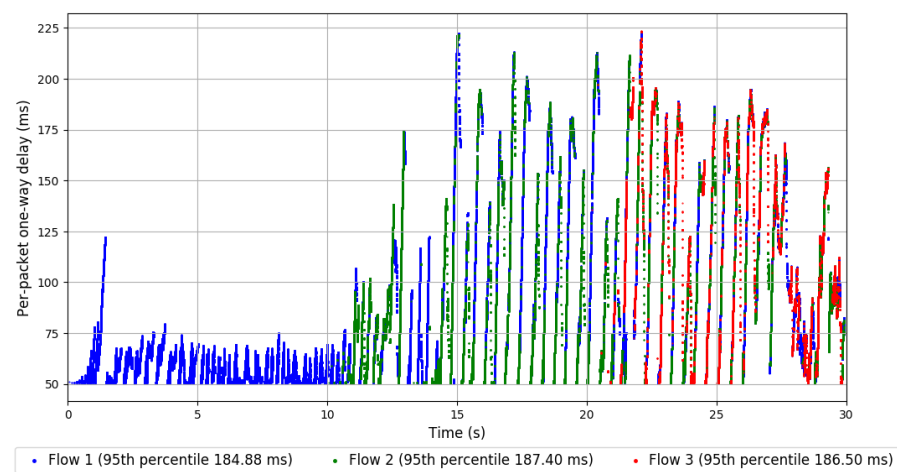
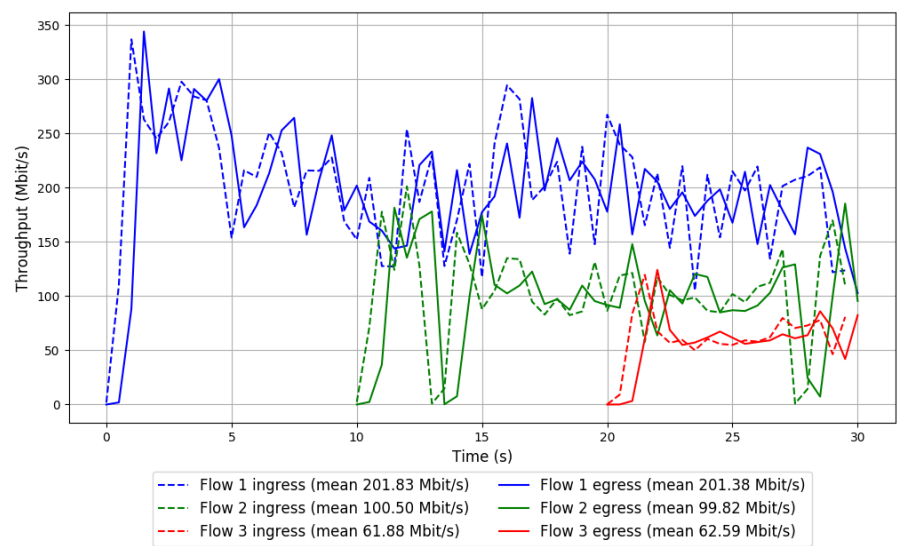


Run 9: Statistics of Verus

Start at: 2018-07-12 20:05:21
End at: 2018-07-12 20:05:51
Local clock offset: -0.462 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-12 22:59:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 287.85 Mbit/s
95th percentile per-packet one-way delay: 185.828 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 201.38 Mbit/s
95th percentile per-packet one-way delay: 184.883 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 99.82 Mbit/s
95th percentile per-packet one-way delay: 187.395 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 62.59 Mbit/s
95th percentile per-packet one-way delay: 186.499 ms
Loss rate: 1.86%

Run 9: Report of Verus — Data Link

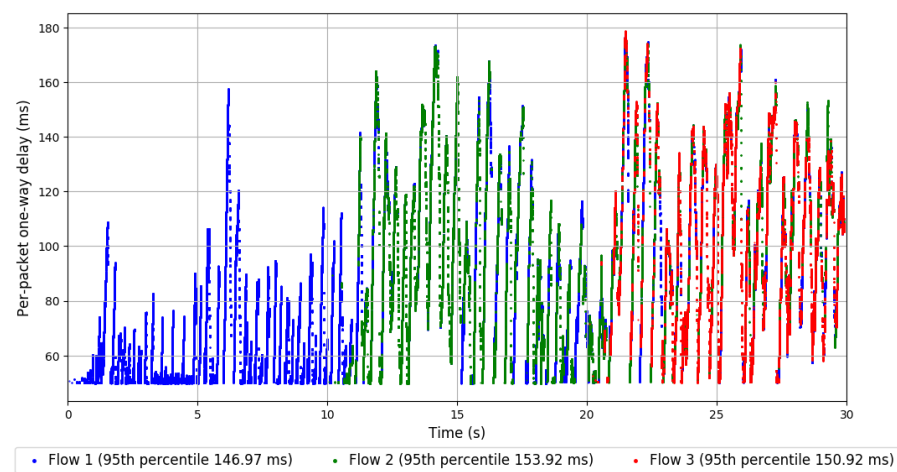
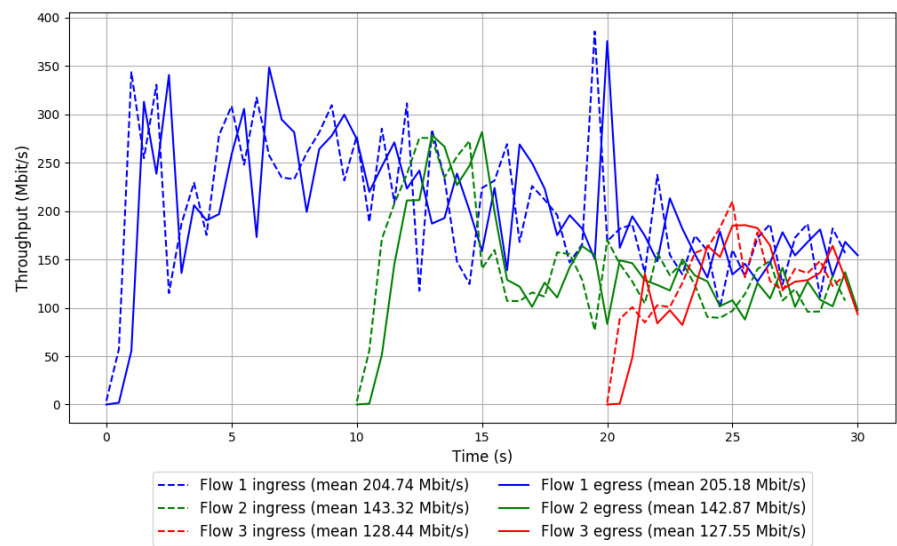


Run 10: Statistics of Verus

Start at: 2018-07-12 20:29:20
End at: 2018-07-12 20:29:50
Local clock offset: 0.265 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-12 23:00:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 341.93 Mbit/s
95th percentile per-packet one-way delay: 149.912 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 205.18 Mbit/s
95th percentile per-packet one-way delay: 146.968 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 142.87 Mbit/s
95th percentile per-packet one-way delay: 153.918 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 127.55 Mbit/s
95th percentile per-packet one-way delay: 150.921 ms
Loss rate: 2.01%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-12 16:41:07

End at: 2018-07-12 16:41:37

Local clock offset: -0.552 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-07-12 23:05:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 559.07 Mbit/s

95th percentile per-packet one-way delay: 51.492 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 328.71 Mbit/s

95th percentile per-packet one-way delay: 51.650 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 273.71 Mbit/s

95th percentile per-packet one-way delay: 51.538 ms

Loss rate: 0.55%

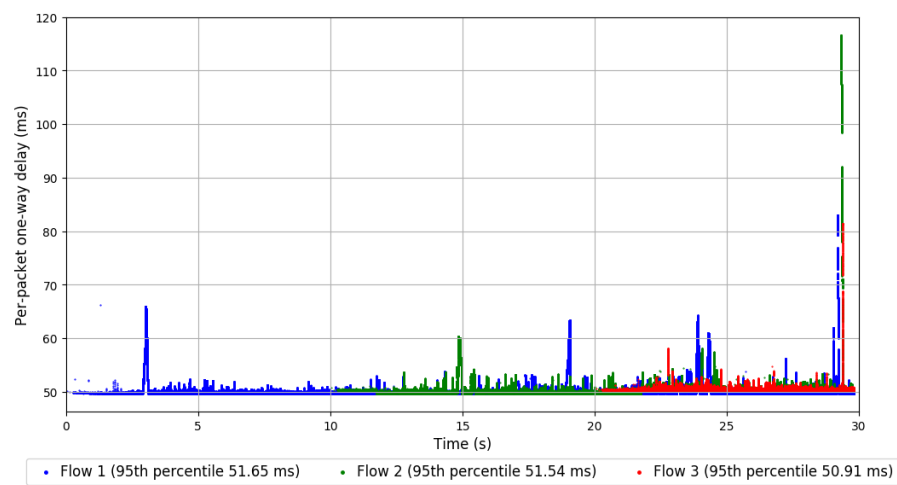
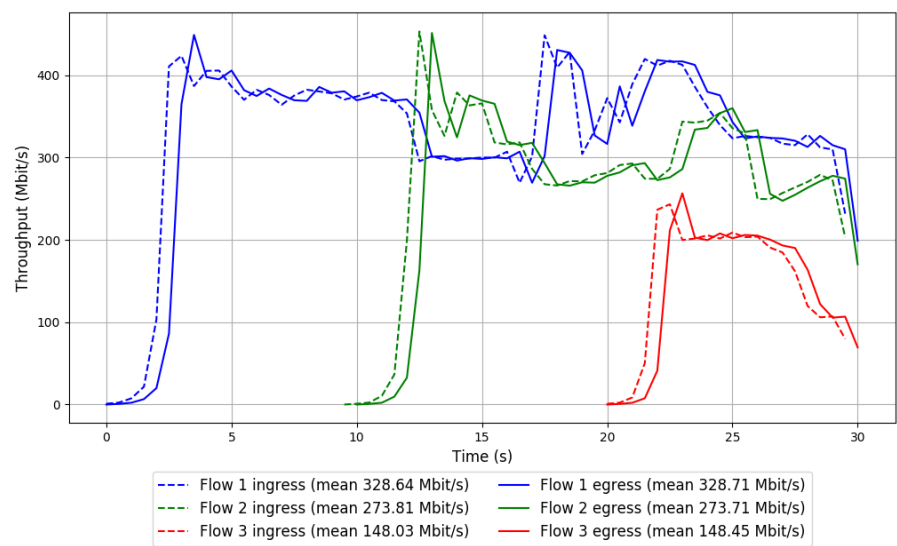
-- Flow 3:

Average throughput: 148.45 Mbit/s

95th percentile per-packet one-way delay: 50.912 ms

Loss rate: 0.75%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-12 17:05:21

End at: 2018-07-12 17:05:51

Local clock offset: 0.217 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-12 23:05:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 454.57 Mbit/s

95th percentile per-packet one-way delay: 52.119 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 246.09 Mbit/s

95th percentile per-packet one-way delay: 52.467 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 233.27 Mbit/s

95th percentile per-packet one-way delay: 51.367 ms

Loss rate: 0.54%

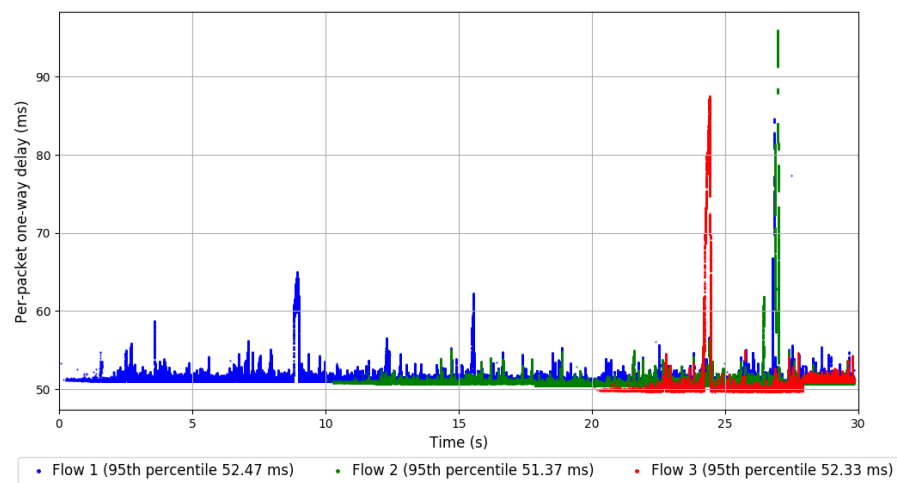
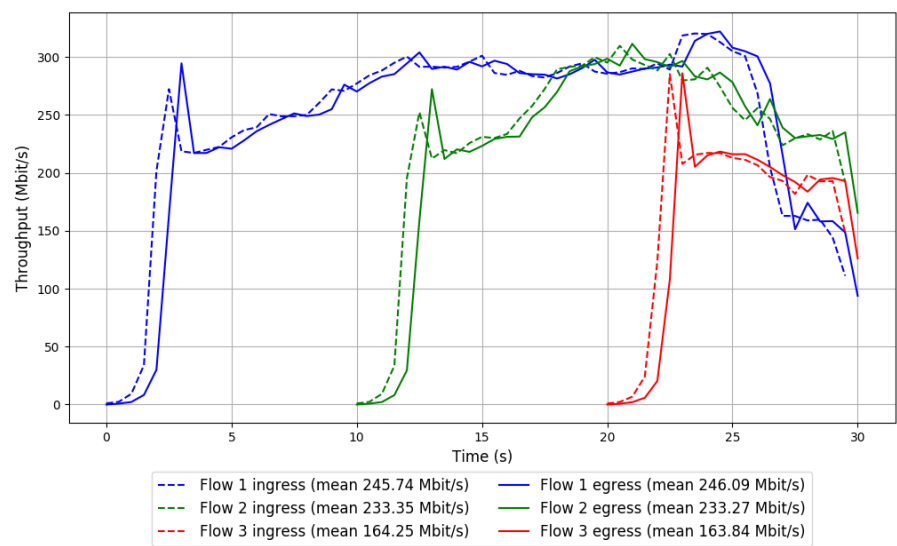
-- Flow 3:

Average throughput: 163.84 Mbit/s

95th percentile per-packet one-way delay: 52.326 ms

Loss rate: 1.27%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-12 17:29:25

End at: 2018-07-12 17:29:55

Local clock offset: -0.147 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-12 23:05:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 412.26 Mbit/s

95th percentile per-packet one-way delay: 50.934 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 241.59 Mbit/s

95th percentile per-packet one-way delay: 49.504 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 230.75 Mbit/s

95th percentile per-packet one-way delay: 51.063 ms

Loss rate: 0.60%

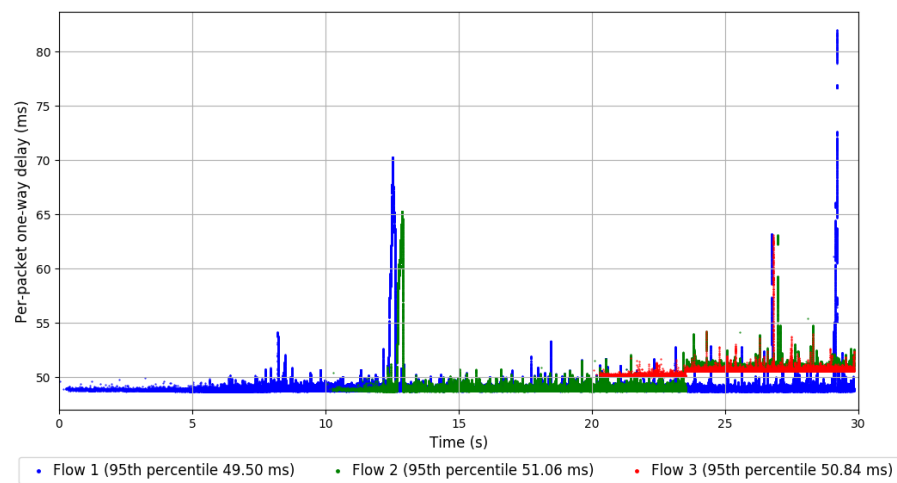
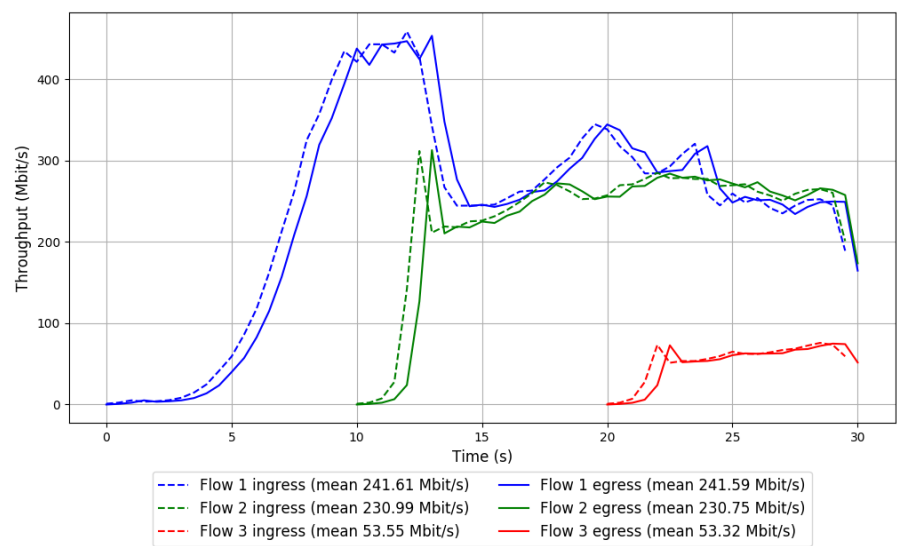
-- Flow 3:

Average throughput: 53.32 Mbit/s

95th percentile per-packet one-way delay: 50.845 ms

Loss rate: 1.44%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-12 17:53:31

End at: 2018-07-12 17:54:01

Local clock offset: 0.162 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-12 23:05:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 430.07 Mbit/s

95th percentile per-packet one-way delay: 51.033 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 258.70 Mbit/s

95th percentile per-packet one-way delay: 51.232 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 230.33 Mbit/s

95th percentile per-packet one-way delay: 49.505 ms

Loss rate: 0.49%

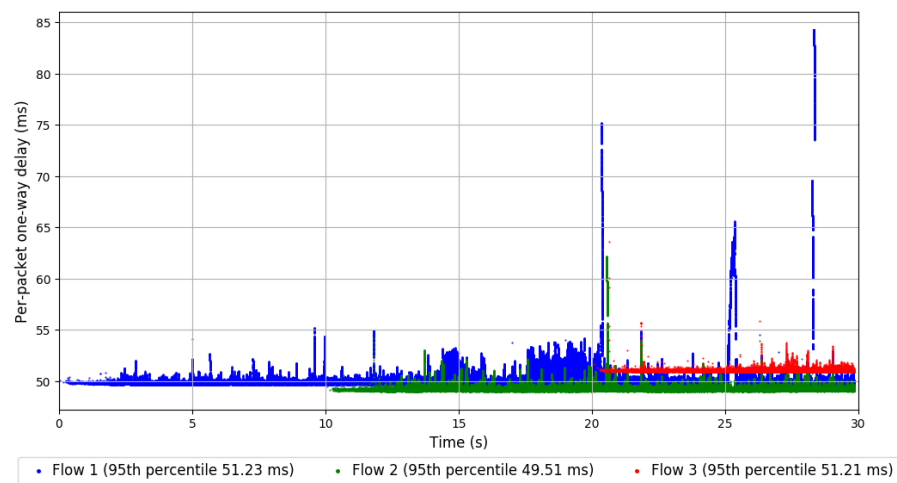
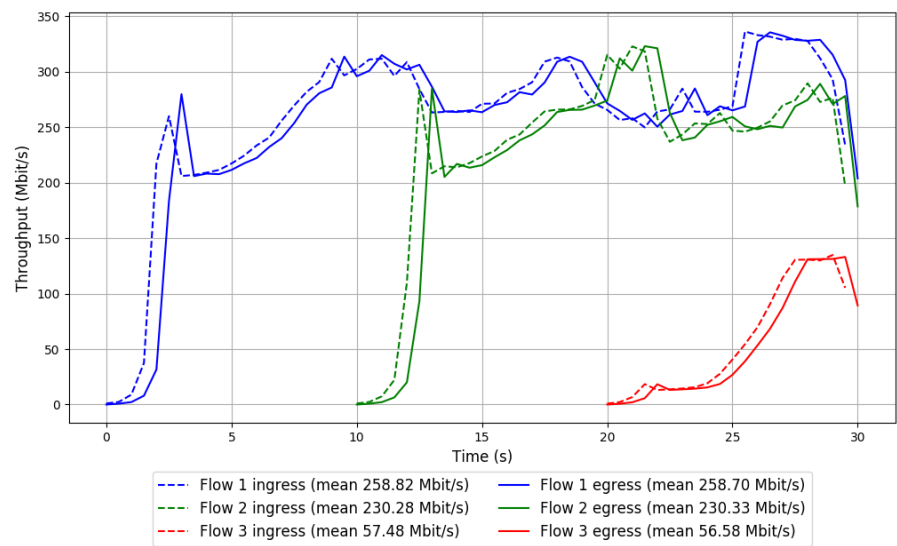
-- Flow 3:

Average throughput: 56.58 Mbit/s

95th percentile per-packet one-way delay: 51.206 ms

Loss rate: 2.61%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-12 18:17:32

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

Local clock offset: -0.487 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-12 23:05:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 450.66 Mbit/s

95th percentile per-packet one-way delay: 50.475 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 227.36 Mbit/s

95th percentile per-packet one-way delay: 50.323 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 253.71 Mbit/s

95th percentile per-packet one-way delay: 50.379 ms

Loss rate: 0.67%

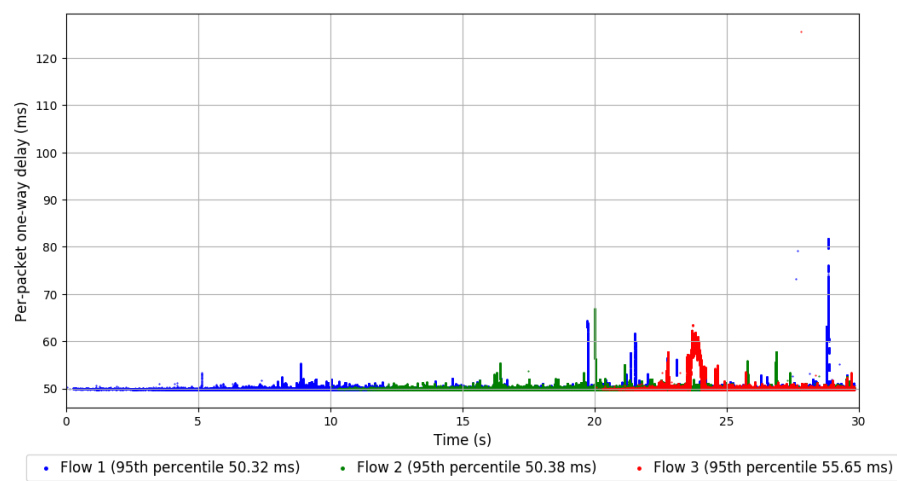
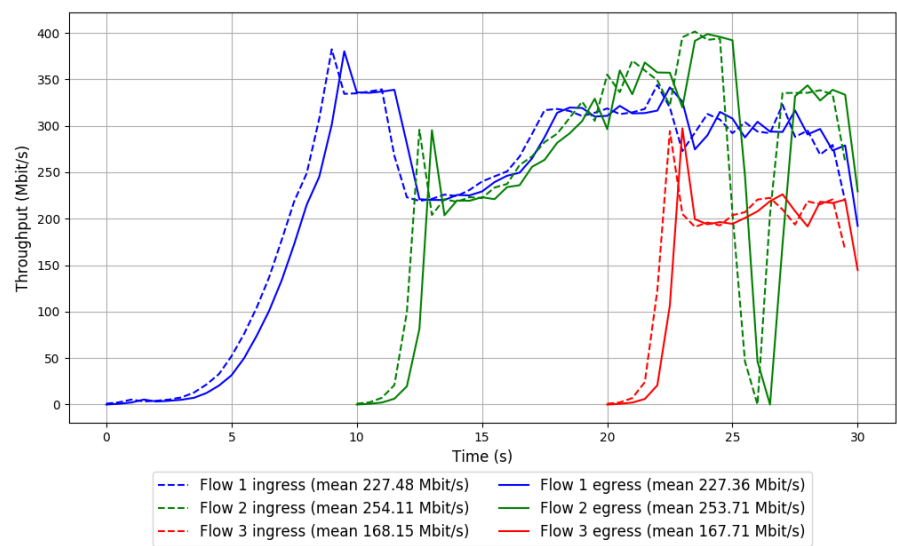
-- Flow 3:

Average throughput: 167.71 Mbit/s

95th percentile per-packet one-way delay: 55.652 ms

Loss rate: 1.30%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-12 18:41:16

End at: 2018-07-12 18:41:46

Local clock offset: -0.168 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-12 23:05:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 437.21 Mbit/s

95th percentile per-packet one-way delay: 51.166 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 244.94 Mbit/s

95th percentile per-packet one-way delay: 50.894 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 264.48 Mbit/s

95th percentile per-packet one-way delay: 51.780 ms

Loss rate: 0.48%

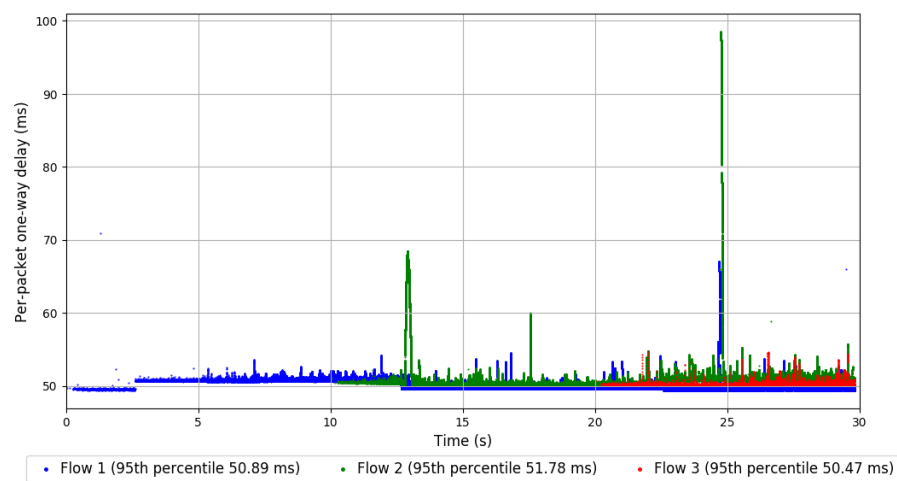
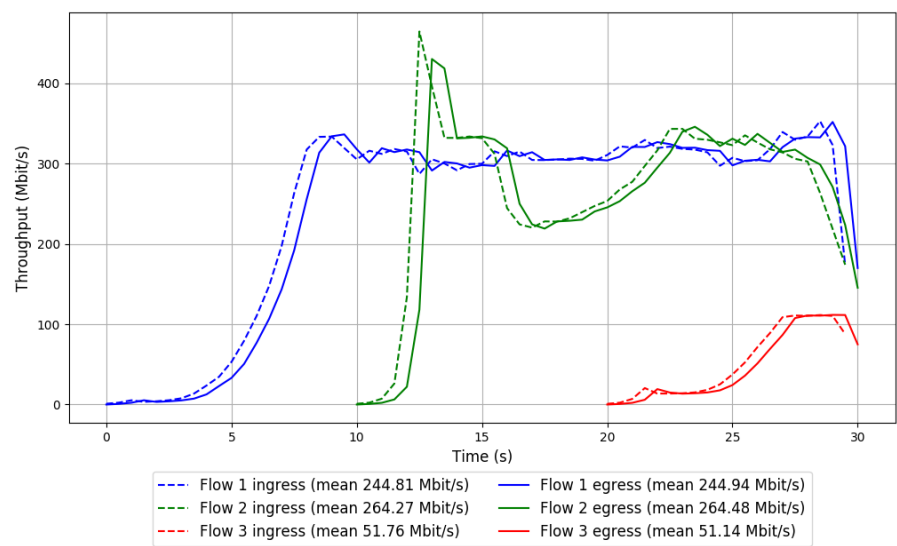
-- Flow 3:

Average throughput: 51.14 Mbit/s

95th percentile per-packet one-way delay: 50.470 ms

Loss rate: 2.23%

Run 6: Report of PCC-Vivace — Data Link

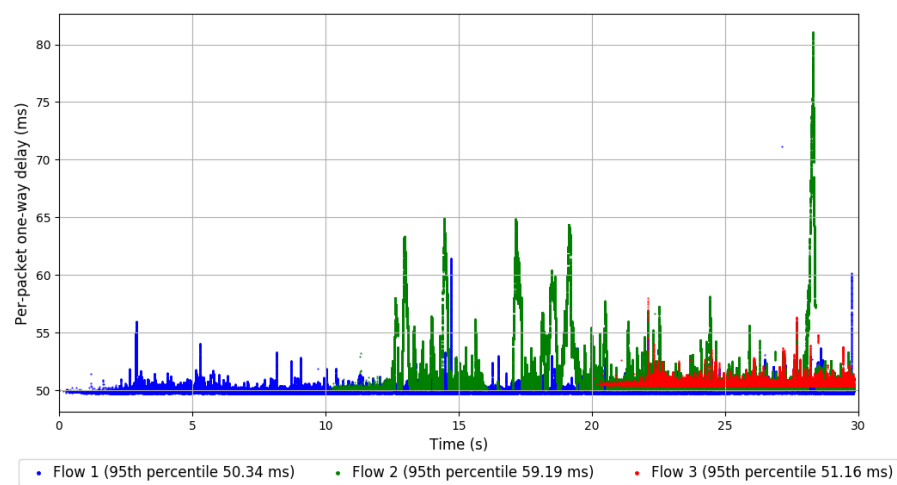
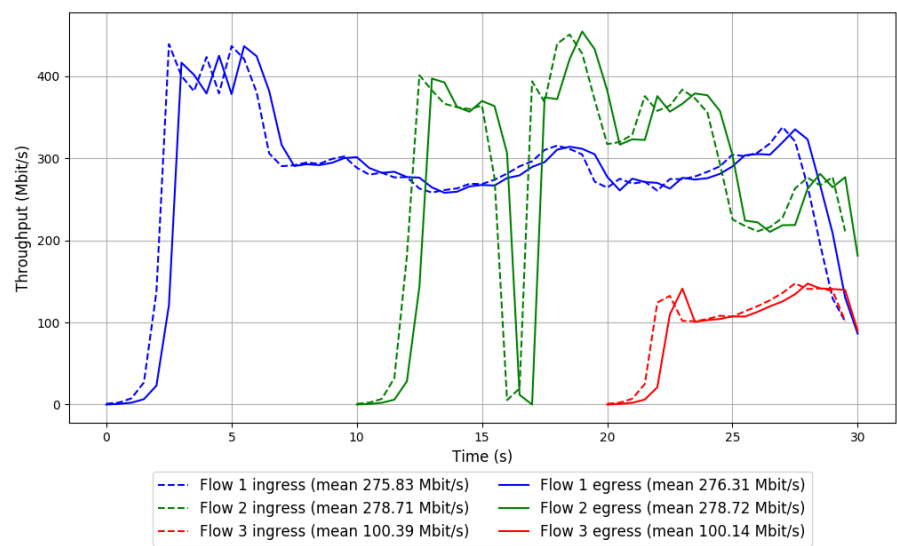


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-12 19:05:17
End at: 2018-07-12 19:05:47
Local clock offset: -0.5 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-12 23:07:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 494.14 Mbit/s
95th percentile per-packet one-way delay: 54.892 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 276.31 Mbit/s
95th percentile per-packet one-way delay: 50.341 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 278.72 Mbit/s
95th percentile per-packet one-way delay: 59.191 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 100.14 Mbit/s
95th percentile per-packet one-way delay: 51.161 ms
Loss rate: 1.29%

Run 7: Report of PCC-Vivace — Data Link

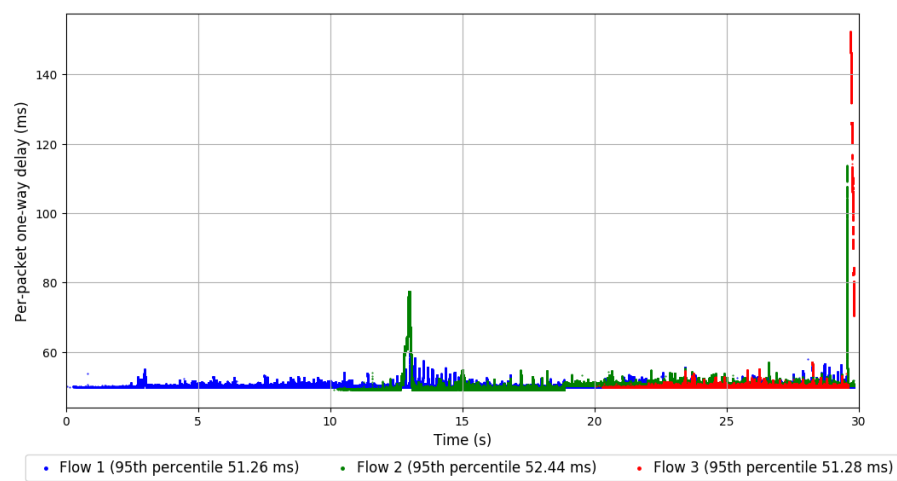
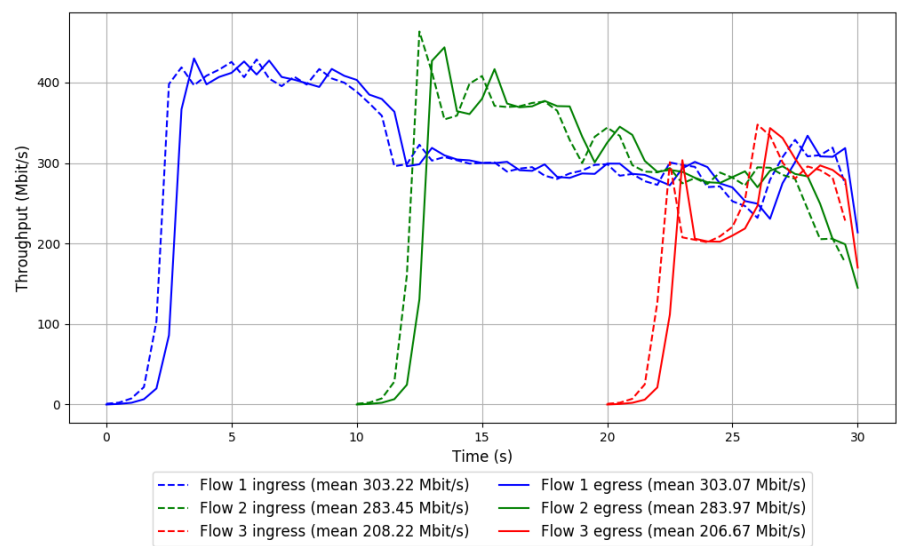


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-12 19:29:20
End at: 2018-07-12 19:29:50
Local clock offset: -0.429 ms
Remote clock offset: -0.042 ms

```
# Below is generated by plot.py at 2018-07-12 23:08:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 559.35 Mbit/s
95th percentile per-packet one-way delay: 51.601 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 303.07 Mbit/s
95th percentile per-packet one-way delay: 51.255 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 283.97 Mbit/s
95th percentile per-packet one-way delay: 52.443 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 206.67 Mbit/s
95th percentile per-packet one-way delay: 51.281 ms
Loss rate: 2.15%
```

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-12 19:53:34

End at: 2018-07-12 19:54:04

Local clock offset: -0.473 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-12 23:08:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 482.00 Mbit/s

95th percentile per-packet one-way delay: 60.456 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 296.31 Mbit/s

95th percentile per-packet one-way delay: 50.681 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 229.47 Mbit/s

95th percentile per-packet one-way delay: 62.018 ms

Loss rate: 0.69%

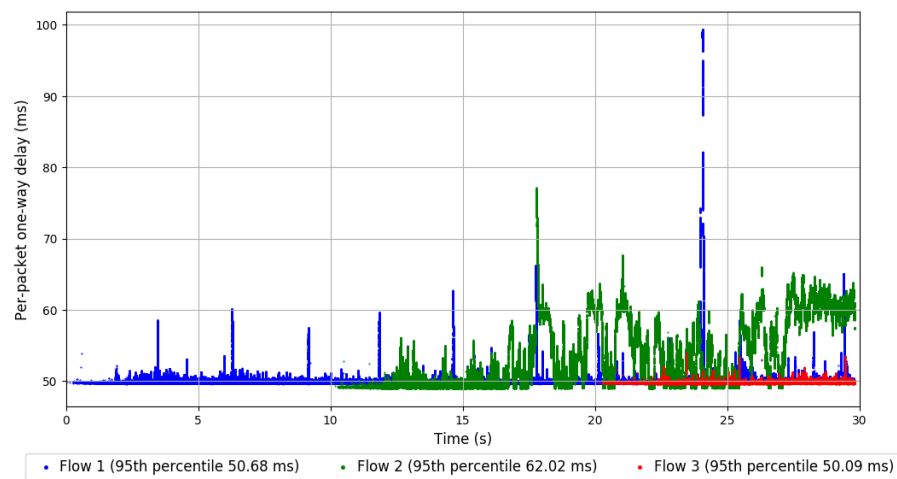
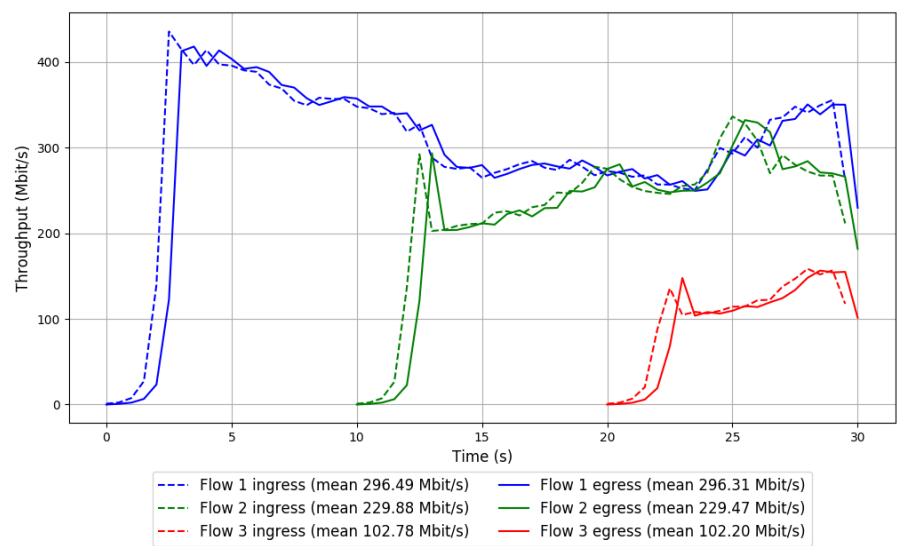
-- Flow 3:

Average throughput: 102.20 Mbit/s

95th percentile per-packet one-way delay: 50.092 ms

Loss rate: 1.59%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-12 20:17:26

End at: 2018-07-12 20:17:56

Local clock offset: -0.489 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-12 23:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 516.62 Mbit/s

95th percentile per-packet one-way delay: 50.715 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 304.40 Mbit/s

95th percentile per-packet one-way delay: 50.883 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 225.27 Mbit/s

95th percentile per-packet one-way delay: 49.651 ms

Loss rate: 0.56%

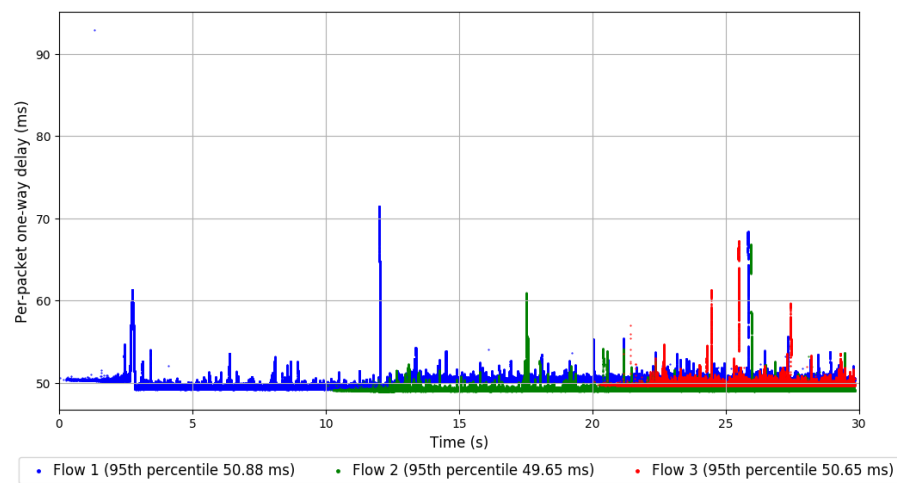
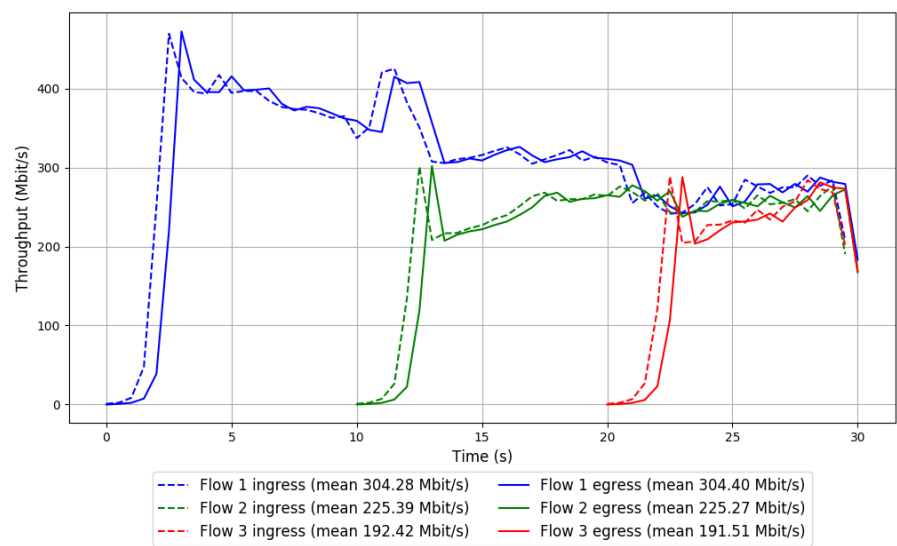
-- Flow 3:

Average throughput: 191.51 Mbit/s

95th percentile per-packet one-way delay: 50.648 ms

Loss rate: 1.49%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-12 16:50:07

End at: 2018-07-12 16:50:37

Local clock offset: 0.212 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2018-07-12 23:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.51 Mbit/s

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

Loss rate: 0.64%

-- Flow 1:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 51.341 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 51.456 ms

Loss rate: 0.54%

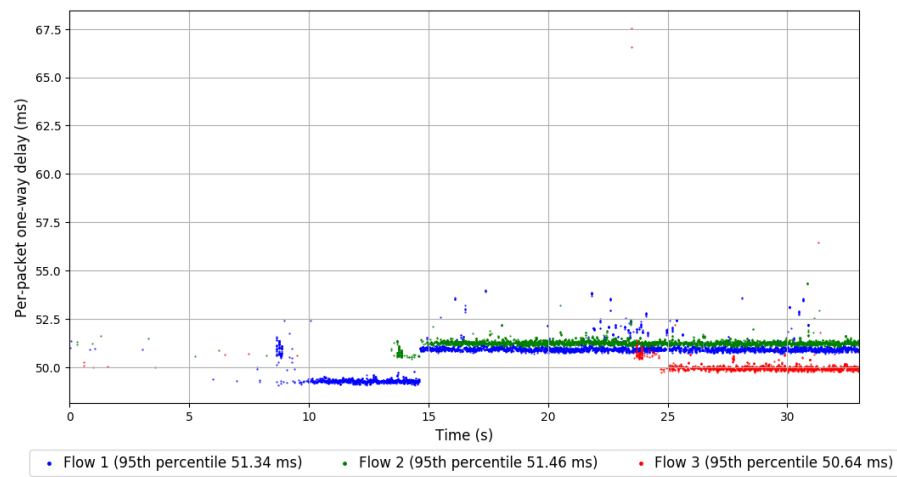
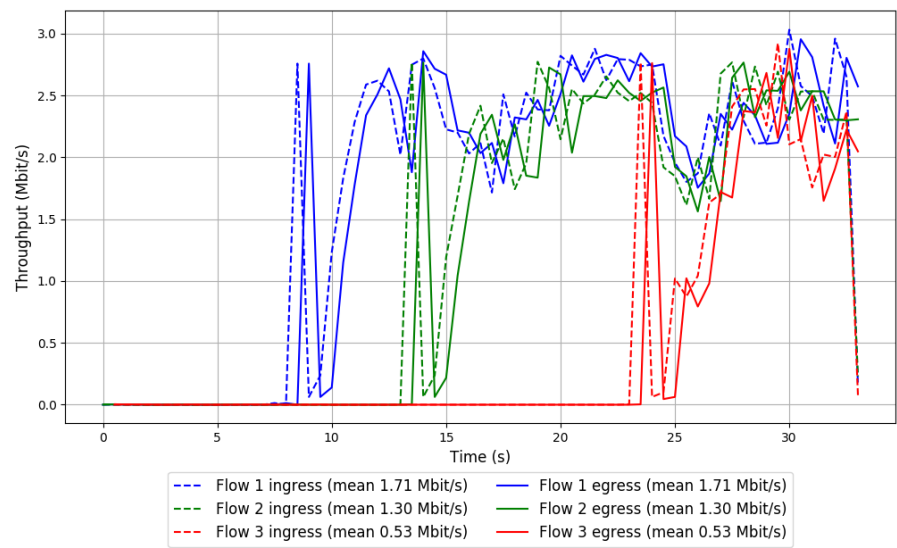
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 50.636 ms

Loss rate: 1.16%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-12 17:14:14

End at: 2018-07-12 17:14:44

Local clock offset: -0.509 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-07-12 23:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 50.555 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 50.377 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 50.630 ms

Loss rate: 0.54%

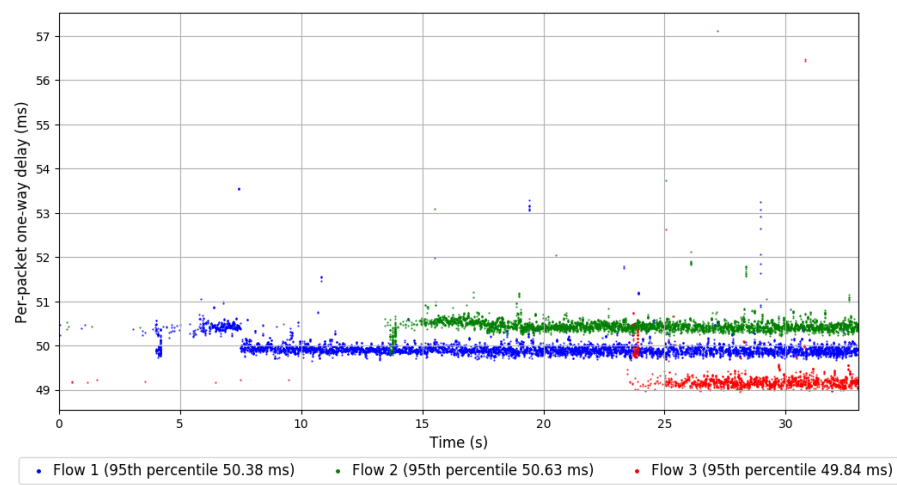
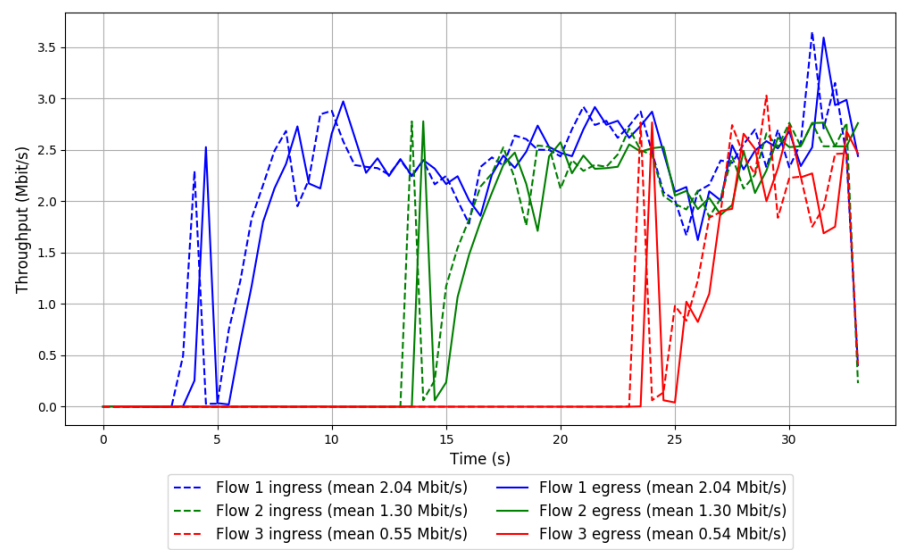
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 49.835 ms

Loss rate: 1.67%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-12 17:38:13

End at: 2018-07-12 17:38:44

Local clock offset: 0.178 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-12 23:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 51.318 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 51.336 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 51.286 ms

Loss rate: 0.71%

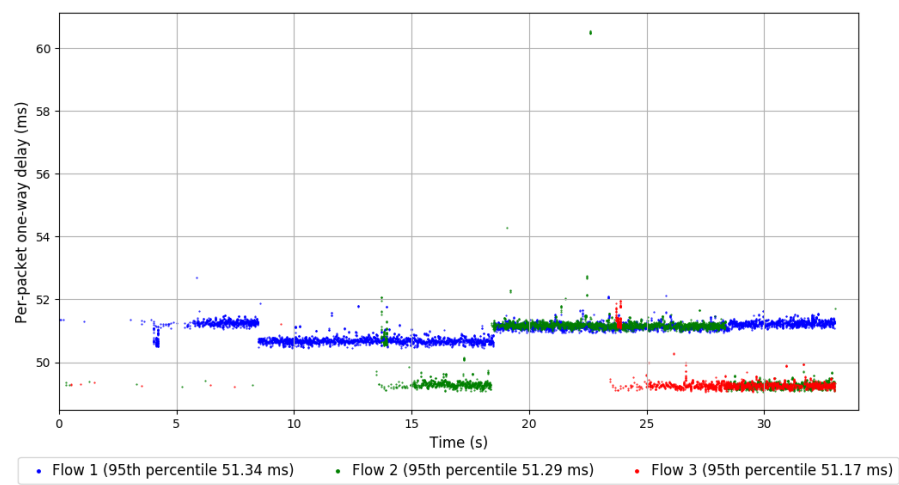
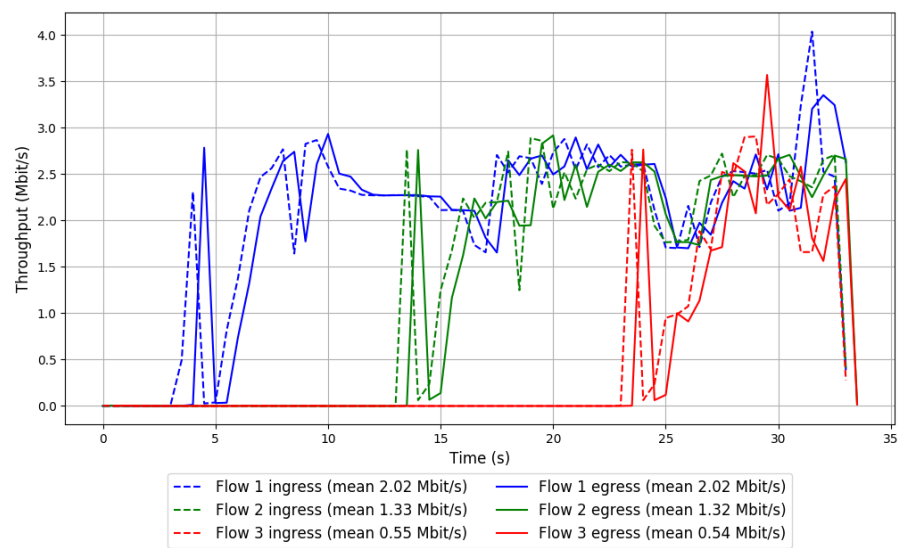
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 51.167 ms

Loss rate: 1.16%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-12 18:02:26

End at: 2018-07-12 18:02:56

Local clock offset: -0.156 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-12 23:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.78 Mbit/s

95th percentile per-packet one-way delay: 51.113 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 51.145 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 1.27 Mbit/s

95th percentile per-packet one-way delay: 51.047 ms

Loss rate: 0.72%

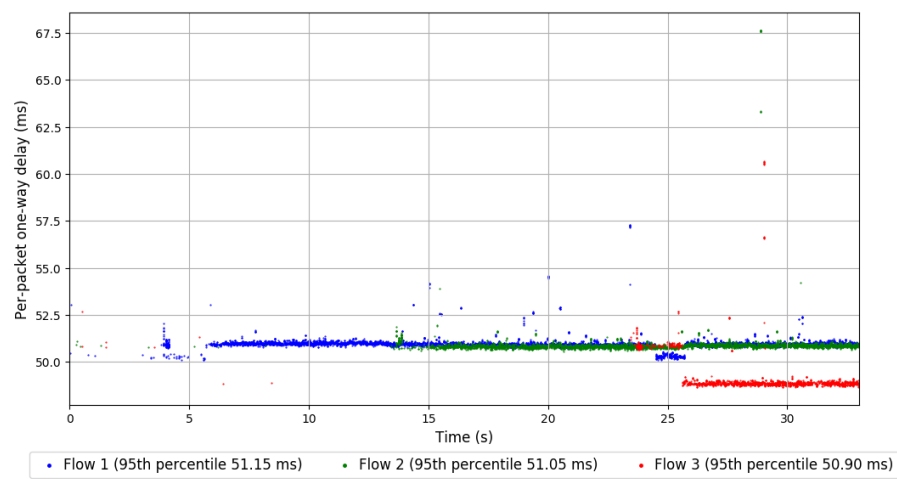
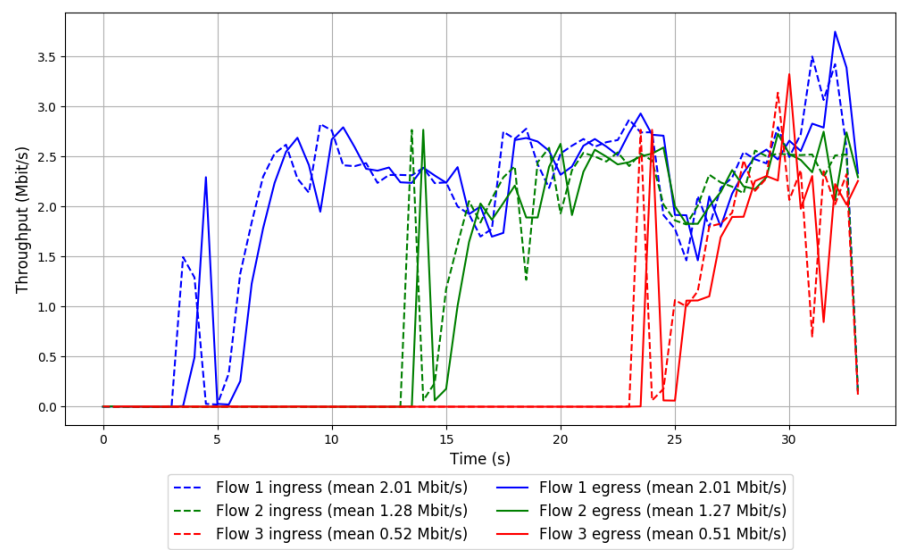
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 50.896 ms

Loss rate: 1.20%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-12 18:26:20

End at: 2018-07-12 18:26:50

Local clock offset: 0.208 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-07-12 23:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.84 Mbit/s

95th percentile per-packet one-way delay: 51.298 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 51.326 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 51.155 ms

Loss rate: 0.53%

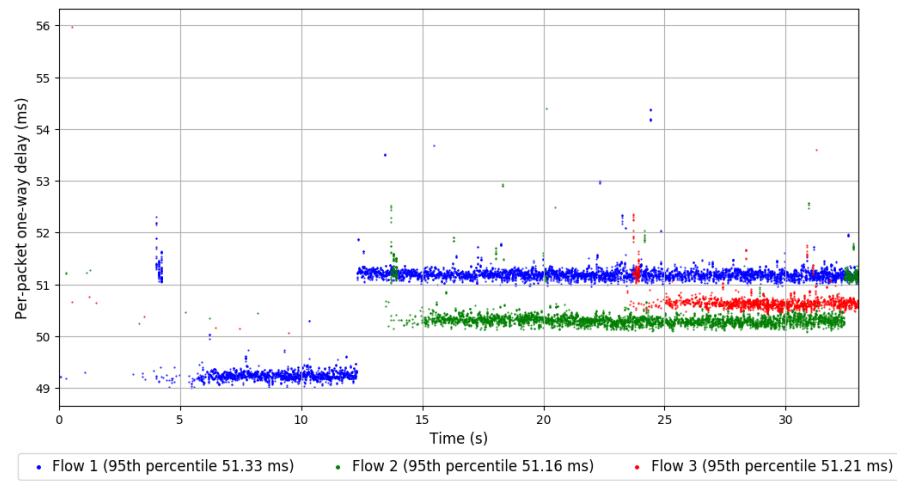
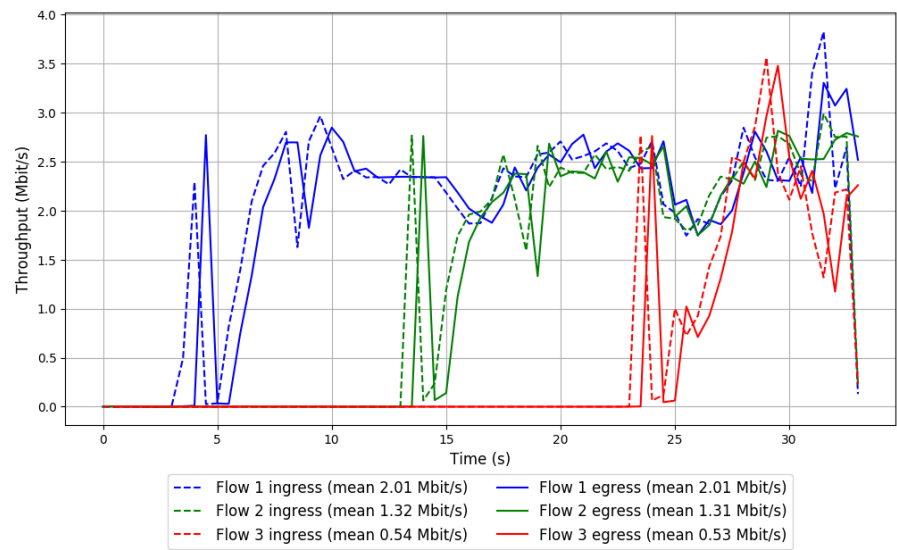
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 51.207 ms

Loss rate: 1.18%

Run 5: Report of WebRTC media — Data Link

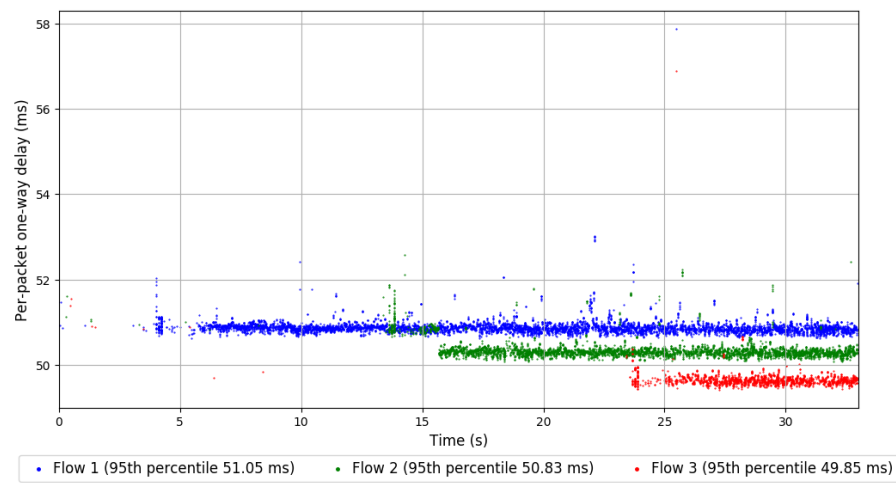
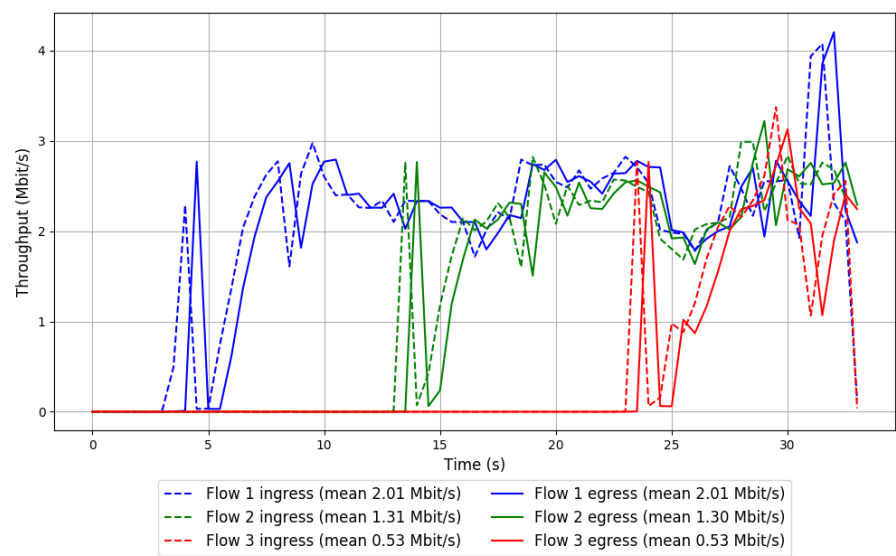


Run 6: Statistics of WebRTC media

Start at: 2018-07-12 18:50:06
End at: 2018-07-12 18:50:36
Local clock offset: -0.143 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-12 23:08:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 50.997 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 51.049 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 50.827 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 49.846 ms
Loss rate: 1.66%

Run 6: Report of WebRTC media — Data Link

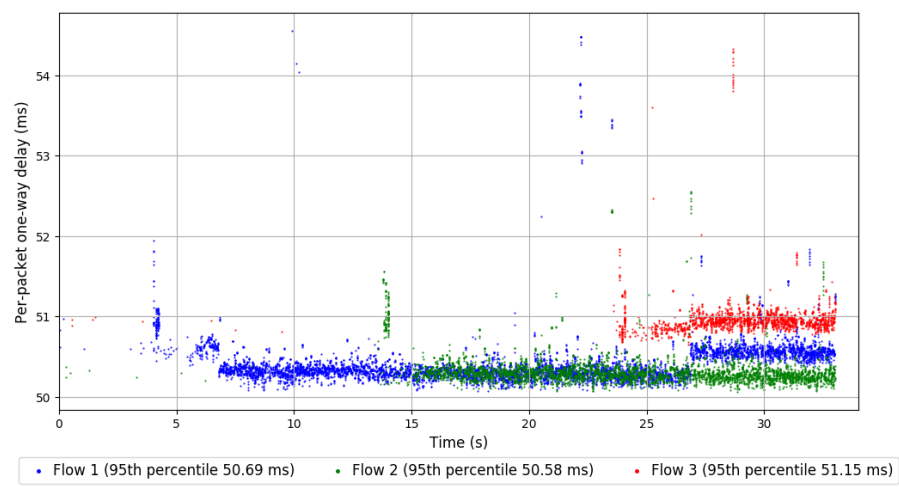
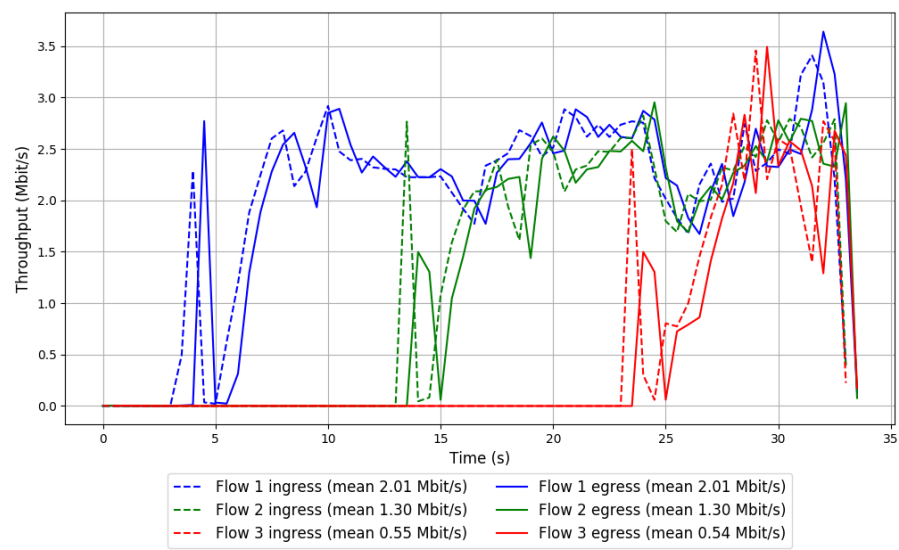


Run 7: Statistics of WebRTC media

Start at: 2018-07-12 19:14:15
End at: 2018-07-12 19:14:45
Local clock offset: -0.188 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-12 23:08:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 50.993 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 50.686 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 50.582 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 51.150 ms
Loss rate: 1.27%

Run 7: Report of WebRTC media — Data Link

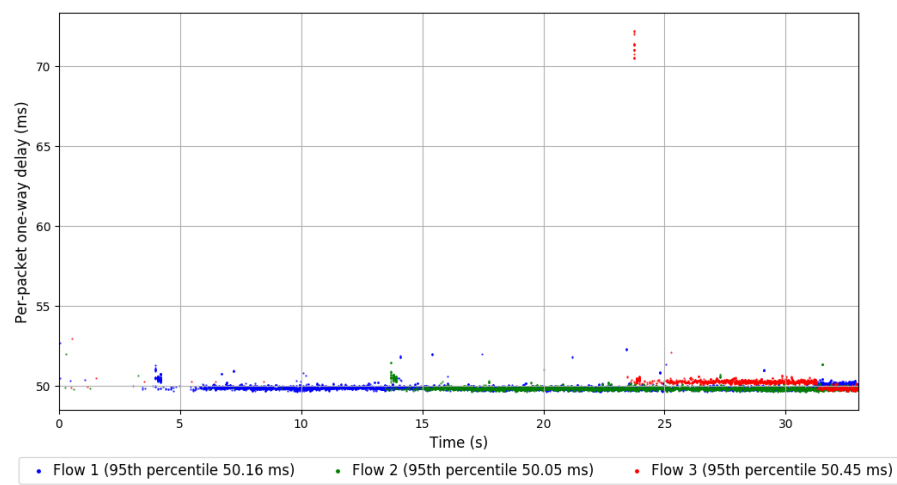
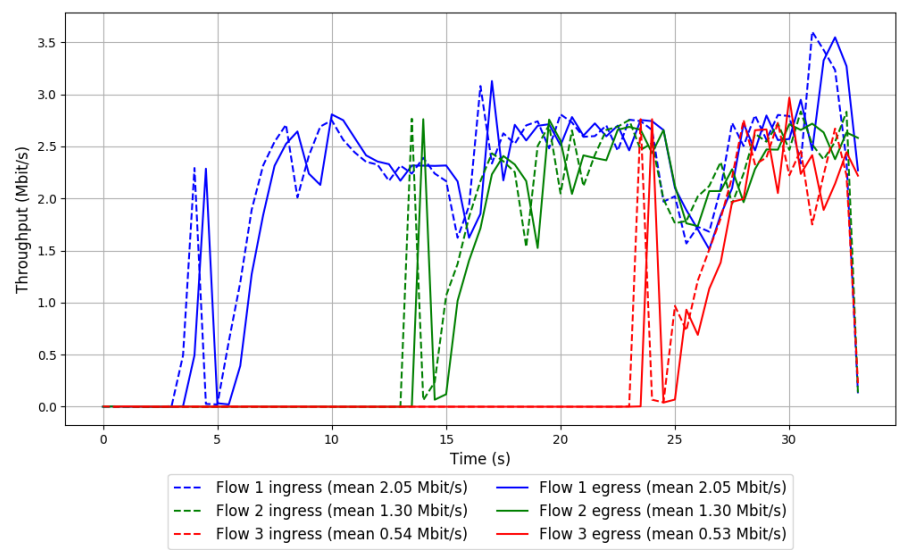


Run 8: Statistics of WebRTC media

Start at: 2018-07-12 19:38:21
End at: 2018-07-12 19:38:51
Local clock offset: -0.501 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-12 23:08:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 50.319 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 50.158 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 50.050 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 50.453 ms
Loss rate: 1.79%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-12 20:02:21

End at: 2018-07-12 20:02:51

Local clock offset: 0.255 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-12 23:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 50.430 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 50.125 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 1.28 Mbit/s

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

Loss rate: 0.72%

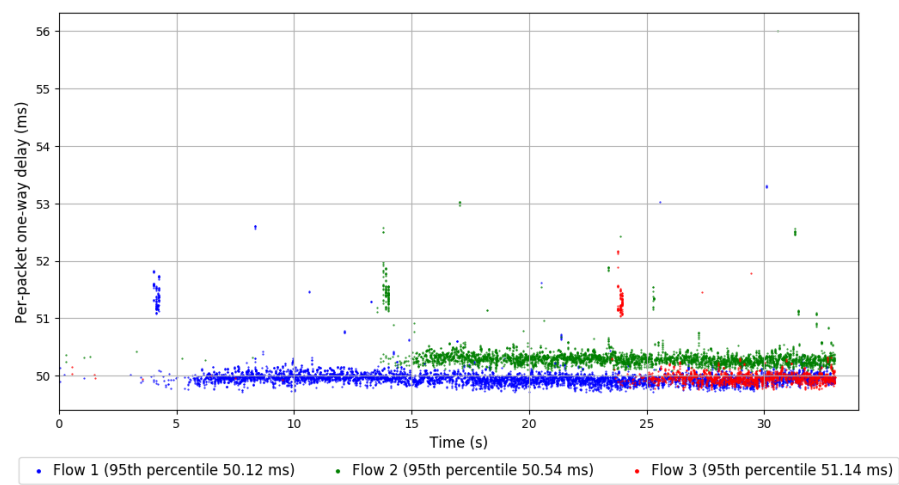
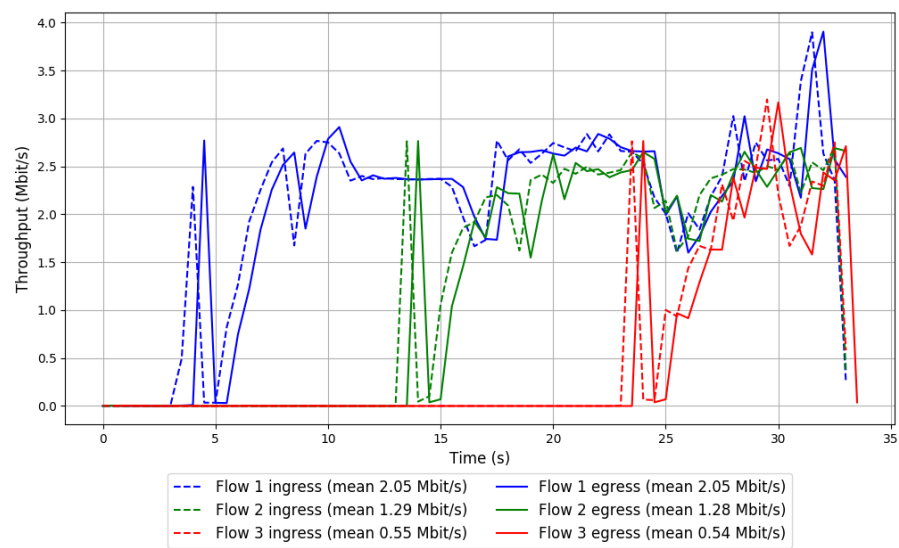
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 51.144 ms

Loss rate: 2.12%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-12 20:26:15
End at: 2018-07-12 20:26:45
Local clock offset: 0.218 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-12 23:08:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 50.784 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 50.323 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 50.792 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 54.762 ms
Loss rate: 2.52%

Run 10: Report of WebRTC media — Data Link

