

Pantheon Report

Generated at 2018-06-30 00:35:14 (UTC).

Data path: AWS India 1 Ethernet (*local*) → India Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

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

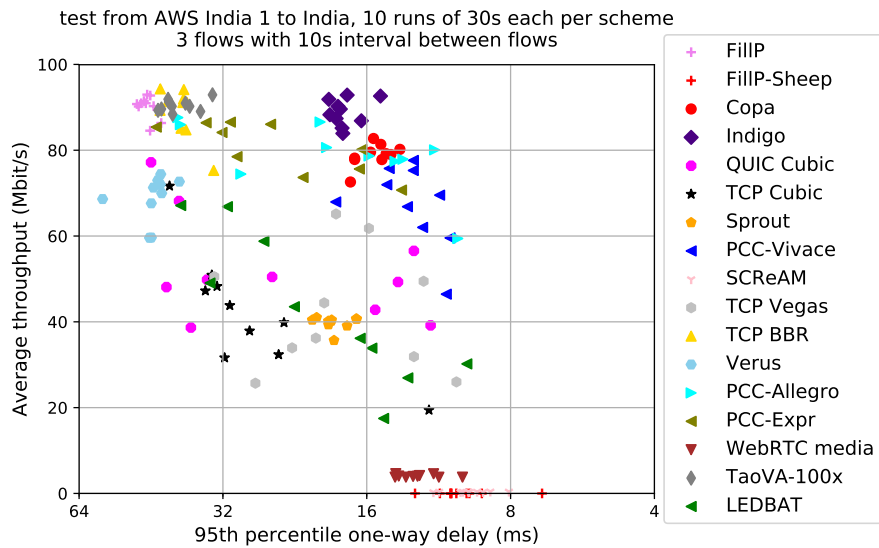
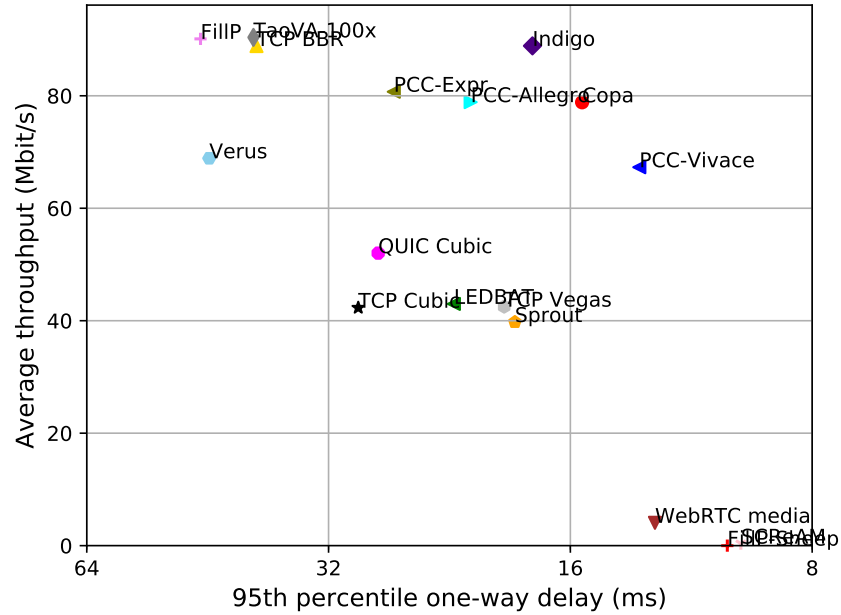
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from AWS India 1 to India, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	60.08	28.36	30.30	38.09	40.43	40.92	9.39	10.19	10.69
Copa	10	48.00	32.19	28.41	15.38	15.42	16.14	6.35	7.35	7.08
TCP Cubic	10	24.47	18.51	16.58	30.34	26.98	20.57	0.51	0.49	0.68
FillP	10	57.71	35.64	26.26	45.43	46.82	47.34	23.80	31.26	34.22
FillP-Sheep	10	0.00	0.00	0.00	10.10	10.16	10.17	0.00	0.00	0.00
Indigo	10	53.71	34.08	38.31	17.07	18.41	19.34	7.55	9.12	9.08
LEDBAT	10	24.18	20.16	16.80	19.95	23.41	22.91	0.45	0.71	1.02
PCC-Allegro	10	72.10	7.15	6.14	20.85	22.60	23.63	7.35	7.94	7.99
PCC-Expr	10	59.27	24.66	15.30	26.15	27.41	24.66	6.18	5.82	5.77
QUIC Cubic	10	30.62	22.61	19.29	28.96	21.50	18.74	1.54	1.29	1.86
SCReAM	10	0.17	0.18	0.19	9.58	9.77	9.61	0.33	0.20	0.49
Sprout	10	20.31	19.81	19.01	18.14	18.97	20.12	1.72	2.57	3.68
TaoVA-100x	10	53.12	39.19	33.56	35.79	40.75	43.68	9.82	14.13	18.78
TCP Vegas	10	24.45	18.24	17.88	16.40	16.76	18.86	0.63	0.40	0.36
Verus	10	43.63	29.26	19.69	40.94	48.28	44.79	27.27	45.43	40.27
PCC-Vivace	10	45.59	26.55	12.30	13.77	12.51	12.71	4.20	4.61	4.19
WebRTC media	10	2.16	1.40	0.50	12.61	12.47	12.55	0.25	0.32	0.26

Run 1: Statistics of TCP BBR

Start at: 2018-06-29 21:11:24

End at: 2018-06-29 21:11:54

Local clock offset: 1.674 ms

Remote clock offset: -7.01 ms

Below is generated by plot.py at 2018-06-30 00:15:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.13 Mbit/s

95th percentile per-packet one-way delay: 39.151 ms

Loss rate: 9.67%

-- Flow 1:

Average throughput: 53.06 Mbit/s

95th percentile per-packet one-way delay: 38.232 ms

Loss rate: 9.09%

-- Flow 2:

Average throughput: 29.74 Mbit/s

95th percentile per-packet one-way delay: 40.297 ms

Loss rate: 9.69%

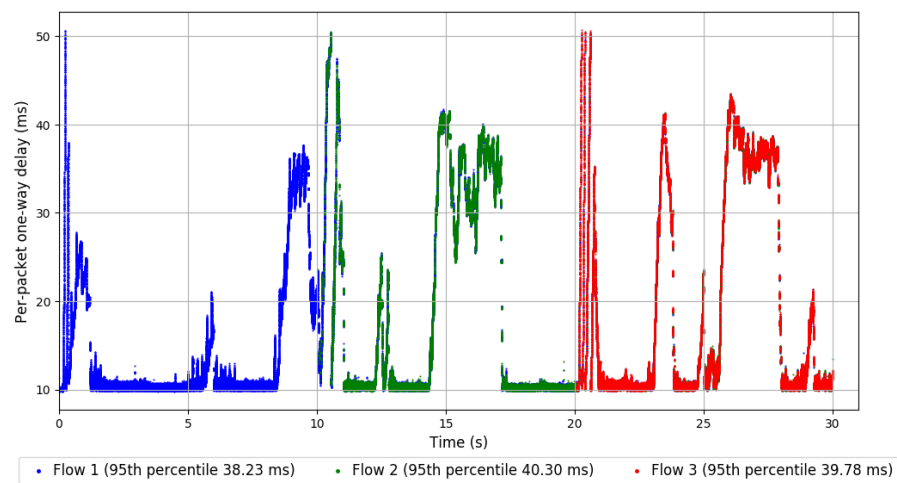
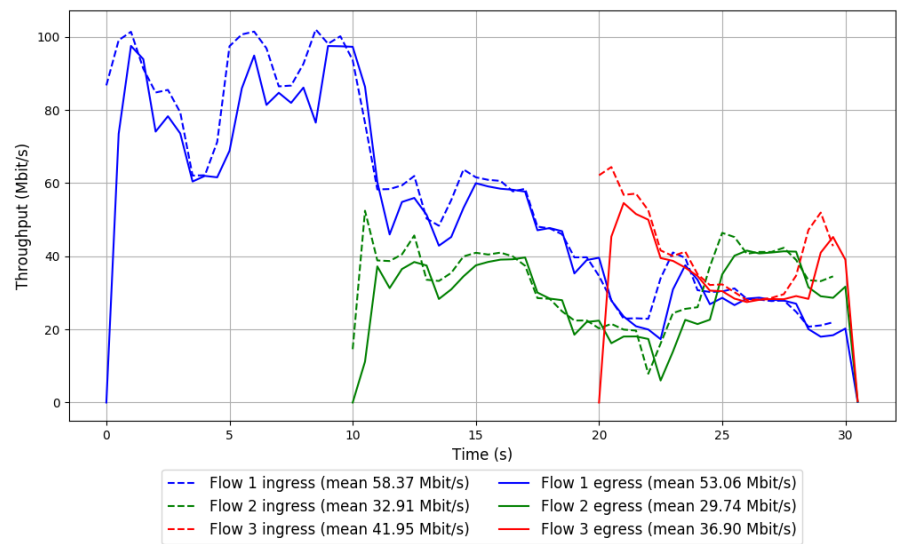
-- Flow 3:

Average throughput: 36.90 Mbit/s

95th percentile per-packet one-way delay: 39.779 ms

Loss rate: 12.03%

Run 1: Report of TCP BBR — Data Link

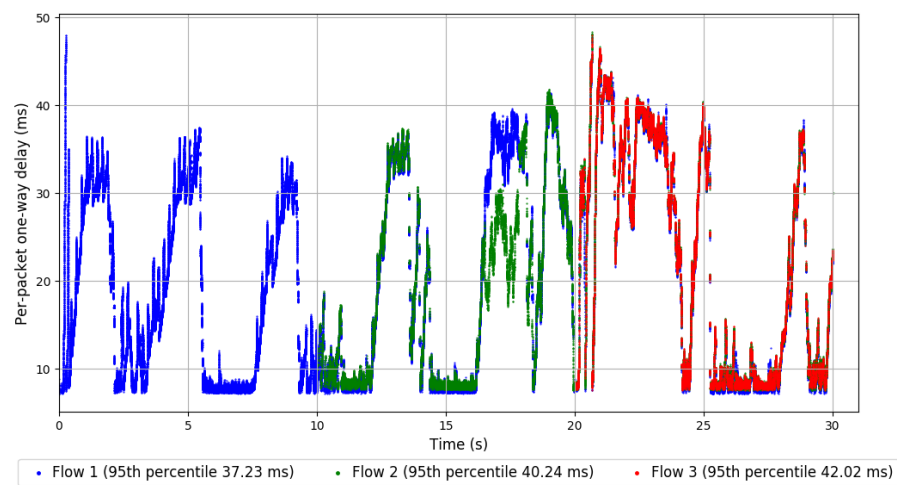
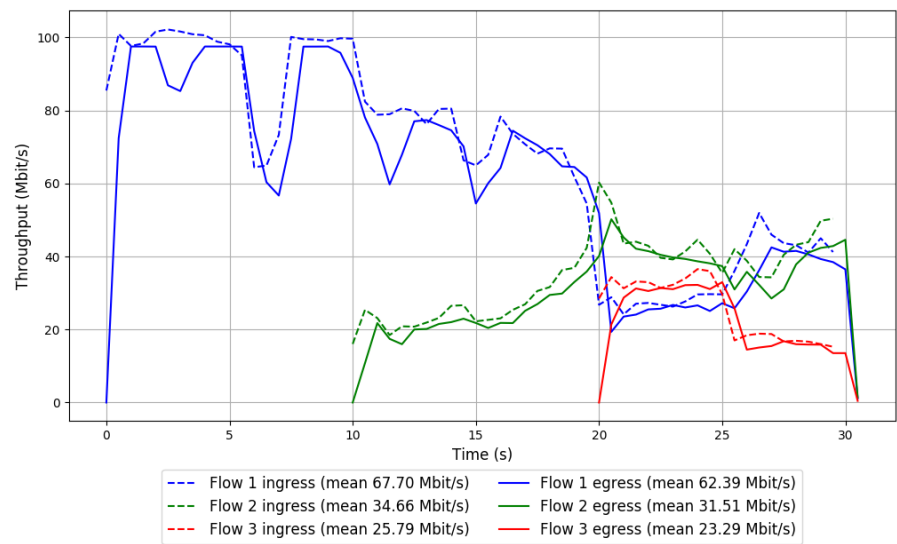


Run 2: Statistics of TCP BBR

Start at: 2018-06-29 21:30:48
End at: 2018-06-29 21:31:18
Local clock offset: 1.945 ms
Remote clock offset: -6.985 ms

Below is generated by plot.py at 2018-06-30 00:15:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.13 Mbit/s
95th percentile per-packet one-way delay: 38.817 ms
Loss rate: 8.23%
-- Flow 1:
Average throughput: 62.39 Mbit/s
95th percentile per-packet one-way delay: 37.226 ms
Loss rate: 7.80%
-- Flow 2:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 40.245 ms
Loss rate: 9.00%
-- Flow 3:
Average throughput: 23.29 Mbit/s
95th percentile per-packet one-way delay: 42.020 ms
Loss rate: 9.56%

Run 2: Report of TCP BBR — Data Link

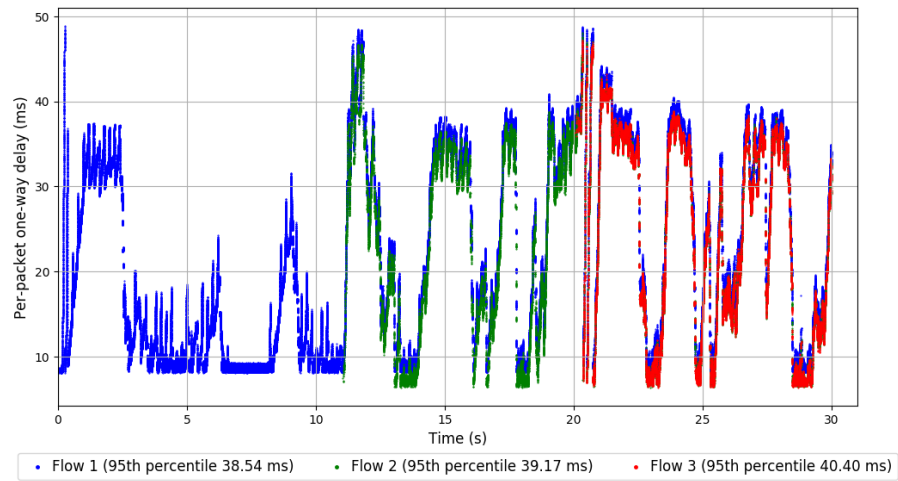
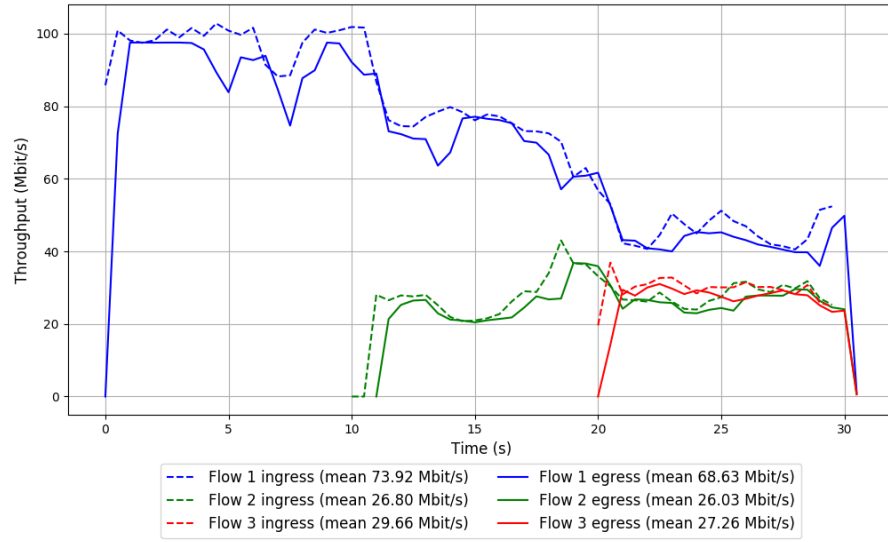


Run 3: Statistics of TCP BBR

Start at: 2018-06-29 21:50:25
End at: 2018-06-29 21:50:55
Local clock offset: 2.438 ms
Remote clock offset: -5.568 ms

Below is generated by plot.py at 2018-06-30 00:15:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.14 Mbit/s
95th percentile per-packet one-way delay: 38.632 ms
Loss rate: 7.31%
-- Flow 1:
Average throughput: 68.63 Mbit/s
95th percentile per-packet one-way delay: 38.537 ms
Loss rate: 7.10%
-- Flow 2:
Average throughput: 26.03 Mbit/s
95th percentile per-packet one-way delay: 39.168 ms
Loss rate: 7.72%
-- Flow 3:
Average throughput: 27.26 Mbit/s
95th percentile per-packet one-way delay: 40.400 ms
Loss rate: 8.15%

Run 3: Report of TCP BBR — Data Link

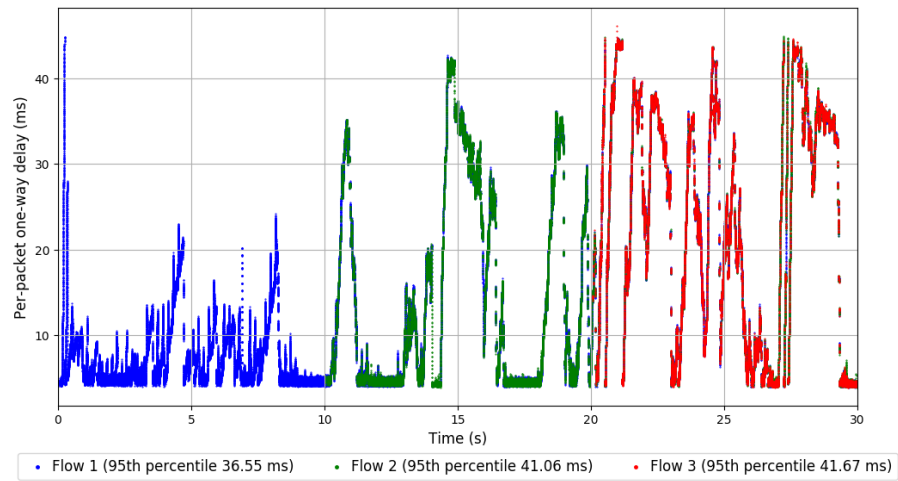
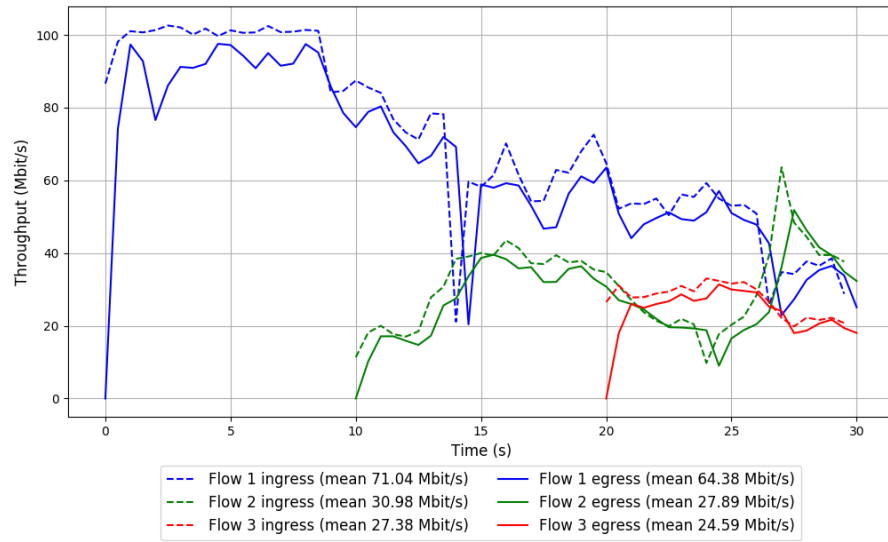


Run 4: Statistics of TCP BBR

Start at: 2018-06-29 22:10:10
End at: 2018-06-29 22:10:40
Local clock offset: -2.078 ms
Remote clock offset: -6.272 ms

Below is generated by plot.py at 2018-06-30 00:15:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.15 Mbit/s
95th percentile per-packet one-way delay: 38.065 ms
Loss rate: 9.57%
-- Flow 1:
Average throughput: 64.38 Mbit/s
95th percentile per-packet one-way delay: 36.545 ms
Loss rate: 9.38%
-- Flow 2:
Average throughput: 27.89 Mbit/s
95th percentile per-packet one-way delay: 41.064 ms
Loss rate: 9.97%
-- Flow 3:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 41.668 ms
Loss rate: 10.23%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-29 22:29:41

End at: 2018-06-29 22:30:11

Local clock offset: -0.73 ms

Remote clock offset: 7.223 ms

Below is generated by plot.py at 2018-06-30 00:15:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.96 Mbit/s

95th percentile per-packet one-way delay: 38.704 ms

Loss rate: 10.14%

-- Flow 1:

Average throughput: 65.05 Mbit/s

95th percentile per-packet one-way delay: 38.827 ms

Loss rate: 9.20%

-- Flow 2:

Average throughput: 27.12 Mbit/s

95th percentile per-packet one-way delay: 39.398 ms

Loss rate: 11.24%

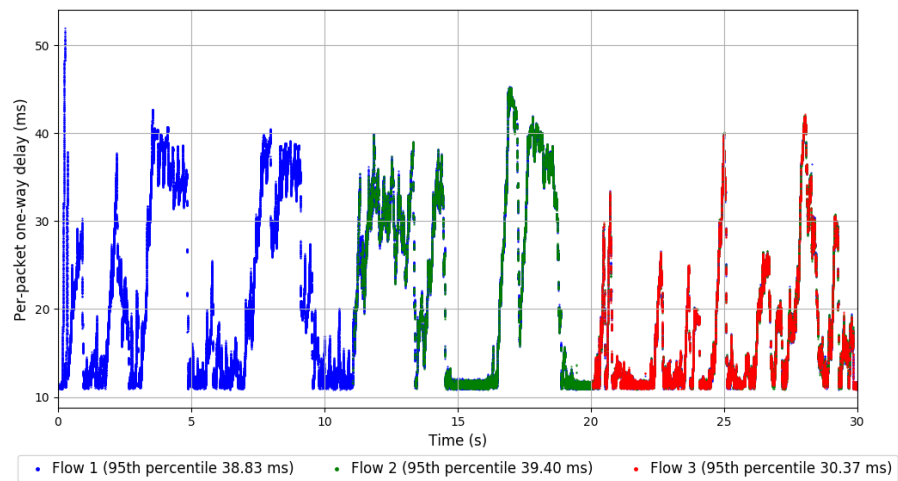
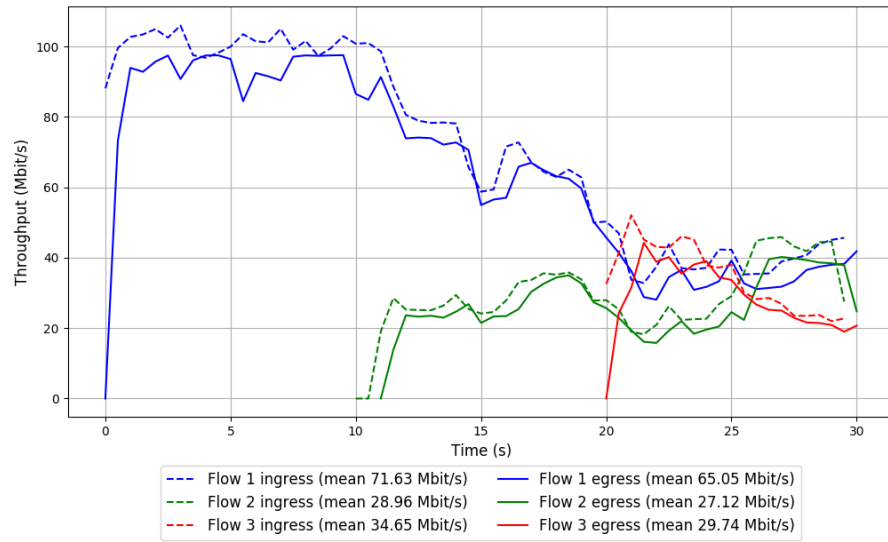
-- Flow 3:

Average throughput: 29.74 Mbit/s

95th percentile per-packet one-way delay: 30.367 ms

Loss rate: 14.18%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-29 22:49:10

End at: 2018-06-29 22:49:40

Local clock offset: -0.574 ms

Remote clock offset: 4.155 ms

Below is generated by plot.py at 2018-06-30 00:15:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.29 Mbit/s

95th percentile per-packet one-way delay: 43.324 ms

Loss rate: 9.74%

-- Flow 1:

Average throughput: 58.71 Mbit/s

95th percentile per-packet one-way delay: 40.478 ms

Loss rate: 9.49%

-- Flow 2:

Average throughput: 26.06 Mbit/s

95th percentile per-packet one-way delay: 46.145 ms

Loss rate: 9.92%

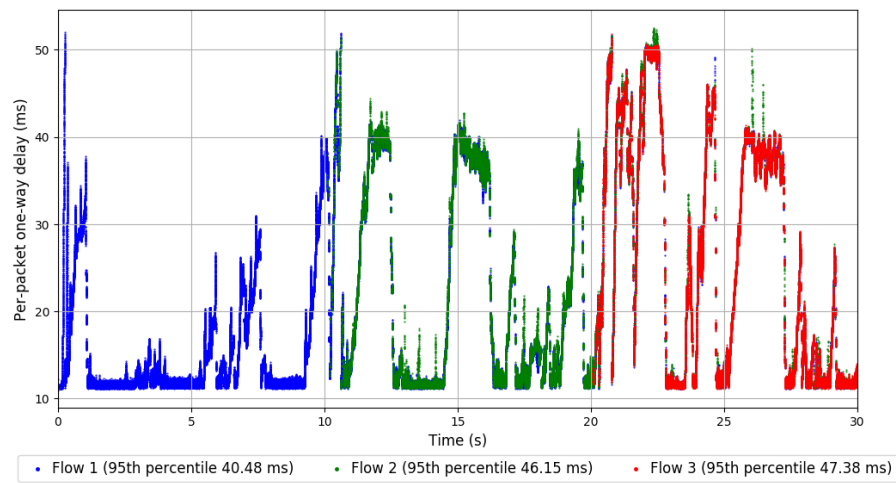
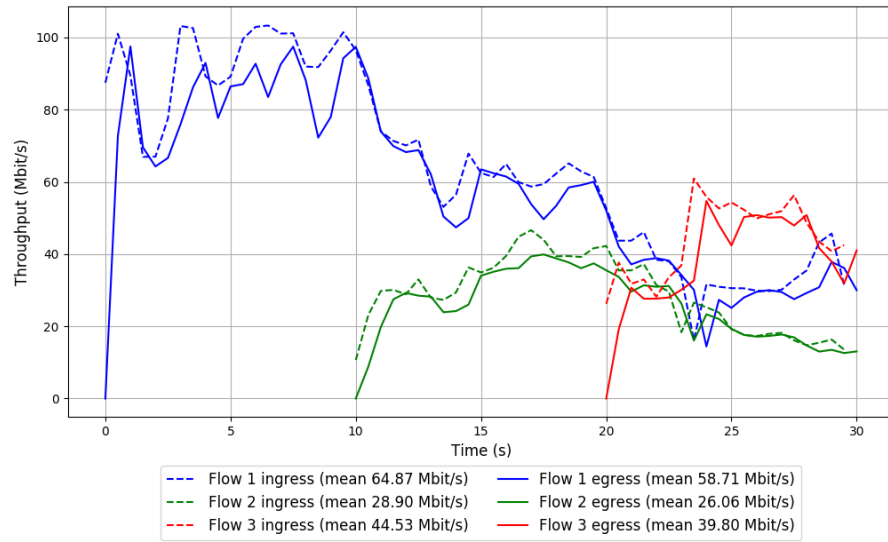
-- Flow 3:

Average throughput: 39.80 Mbit/s

95th percentile per-packet one-way delay: 47.384 ms

Loss rate: 10.60%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-06-29 23:08:44

End at: 2018-06-29 23:09:14

Local clock offset: -0.571 ms

Remote clock offset: 3.202 ms

Below is generated by plot.py at 2018-06-30 00:15:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.75 Mbit/s

95th percentile per-packet one-way delay: 38.233 ms

Loss rate: 11.50%

-- Flow 1:

Average throughput: 58.30 Mbit/s

95th percentile per-packet one-way delay: 37.894 ms

Loss rate: 10.95%

-- Flow 2:

Average throughput: 29.53 Mbit/s

95th percentile per-packet one-way delay: 37.538 ms

Loss rate: 12.48%

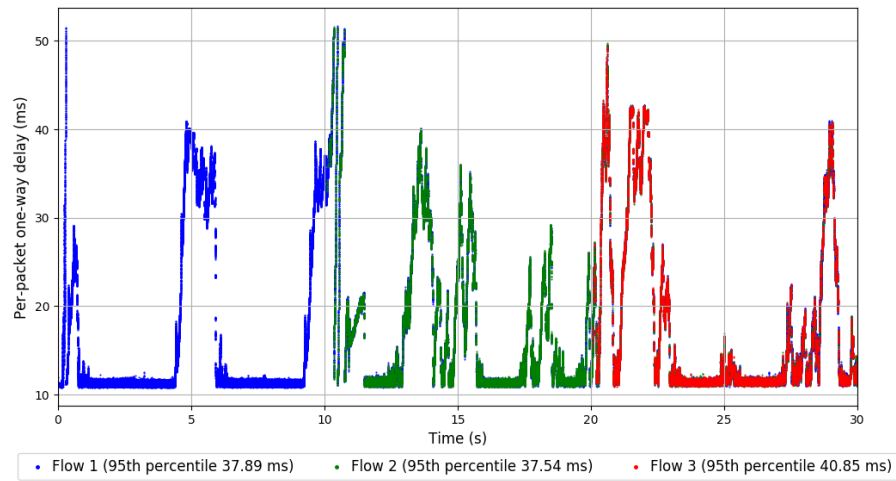
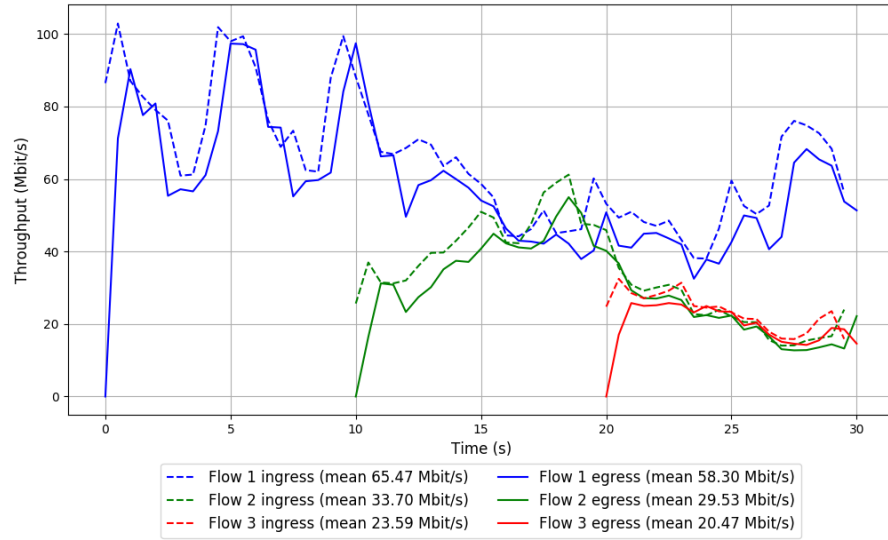
-- Flow 3:

Average throughput: 20.47 Mbit/s

95th percentile per-packet one-way delay: 40.855 ms

Loss rate: 13.24%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-29 23:28:19

End at: 2018-06-29 23:28:49

Local clock offset: 0.782 ms

Remote clock offset: 1.33 ms

Below is generated by plot.py at 2018-06-30 00:15:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.30 Mbit/s

95th percentile per-packet one-way delay: 43.272 ms

Loss rate: 7.05%

-- Flow 1:

Average throughput: 57.76 Mbit/s

95th percentile per-packet one-way delay: 41.762 ms

Loss rate: 6.81%

-- Flow 2:

Average throughput: 38.13 Mbit/s

95th percentile per-packet one-way delay: 44.197 ms

Loss rate: 7.55%

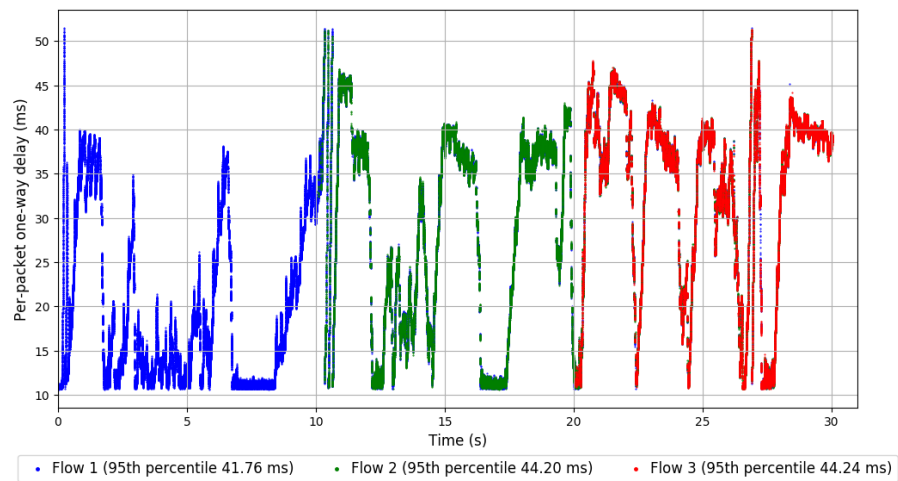
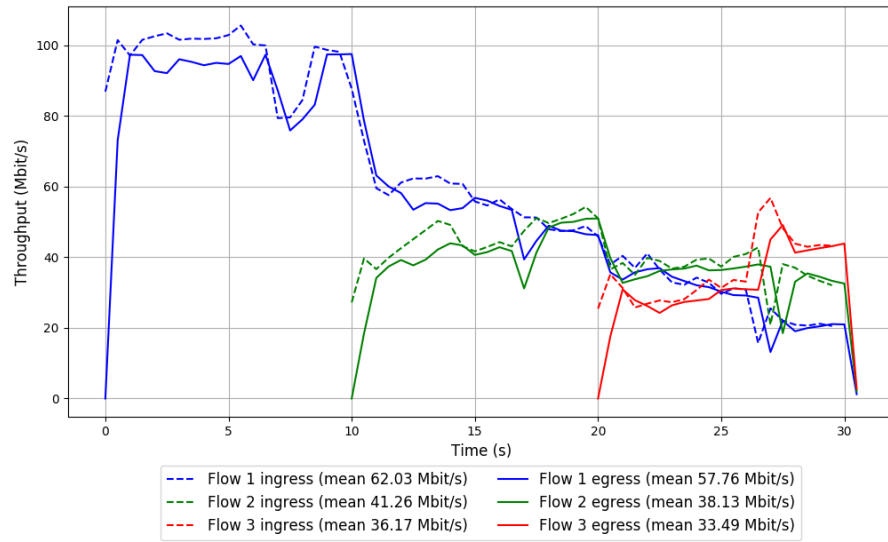
-- Flow 3:

Average throughput: 33.49 Mbit/s

95th percentile per-packet one-way delay: 44.236 ms

Loss rate: 7.15%

Run 8: Report of TCP BBR — Data Link

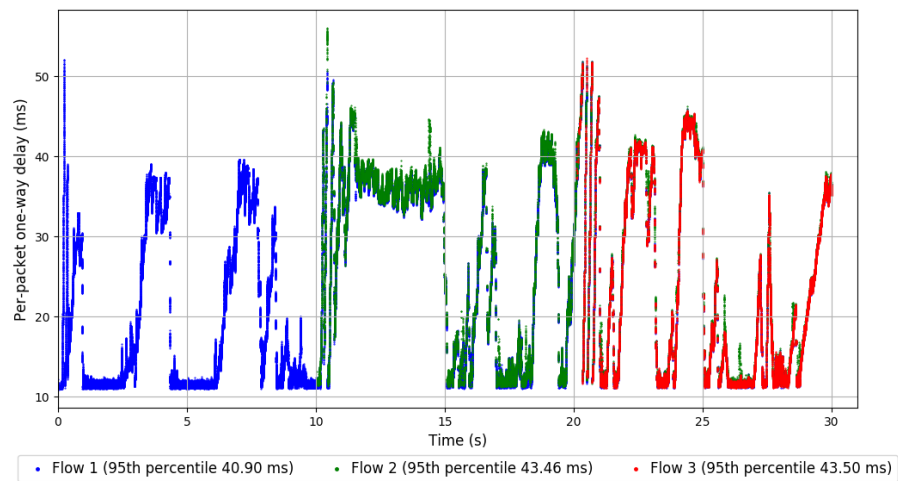
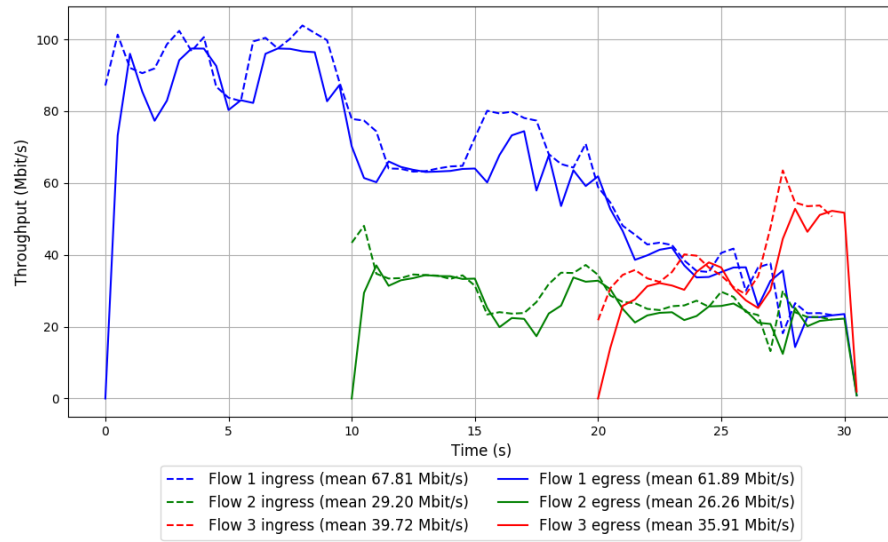


Run 9: Statistics of TCP BBR

Start at: 2018-06-29 23:48:06
End at: 2018-06-29 23:48:36
Local clock offset: 0.02 ms
Remote clock offset: -3.354 ms

Below is generated by plot.py at 2018-06-30 00:16:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.33 Mbit/s
95th percentile per-packet one-way delay: 41.750 ms
Loss rate: 9.02%
-- Flow 1:
Average throughput: 61.89 Mbit/s
95th percentile per-packet one-way delay: 40.903 ms
Loss rate: 8.65%
-- Flow 2:
Average throughput: 26.26 Mbit/s
95th percentile per-packet one-way delay: 43.460 ms
Loss rate: 9.96%
-- Flow 3:
Average throughput: 35.91 Mbit/s
95th percentile per-packet one-way delay: 43.496 ms
Loss rate: 9.56%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-30 00:07:42

End at: 2018-06-30 00:08:12

Local clock offset: -1.213 ms

Remote clock offset: -6.89 ms

Below is generated by plot.py at 2018-06-30 00:16:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.30 Mbit/s

95th percentile per-packet one-way delay: 33.456 ms

Loss rate: 14.78%

-- Flow 1:

Average throughput: 50.62 Mbit/s

95th percentile per-packet one-way delay: 30.540 ms

Loss rate: 15.42%

-- Flow 2:

Average throughput: 21.32 Mbit/s

95th percentile per-packet one-way delay: 32.767 ms

Loss rate: 14.37%

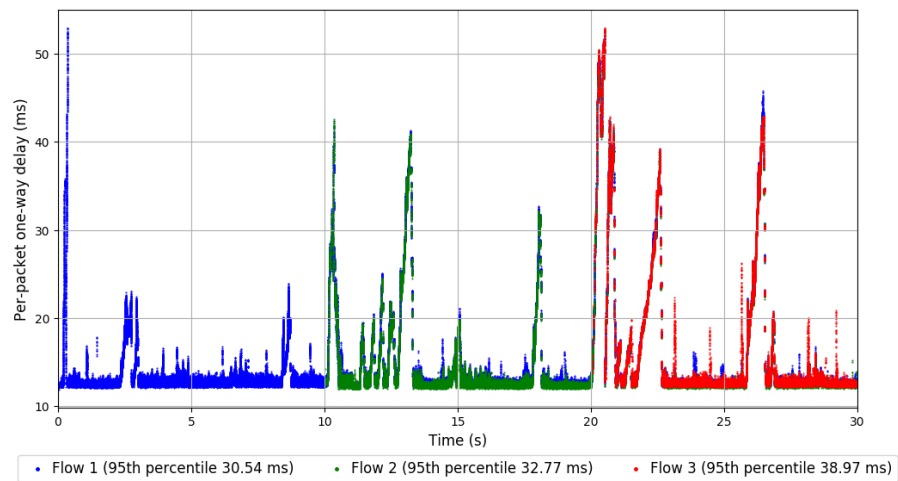
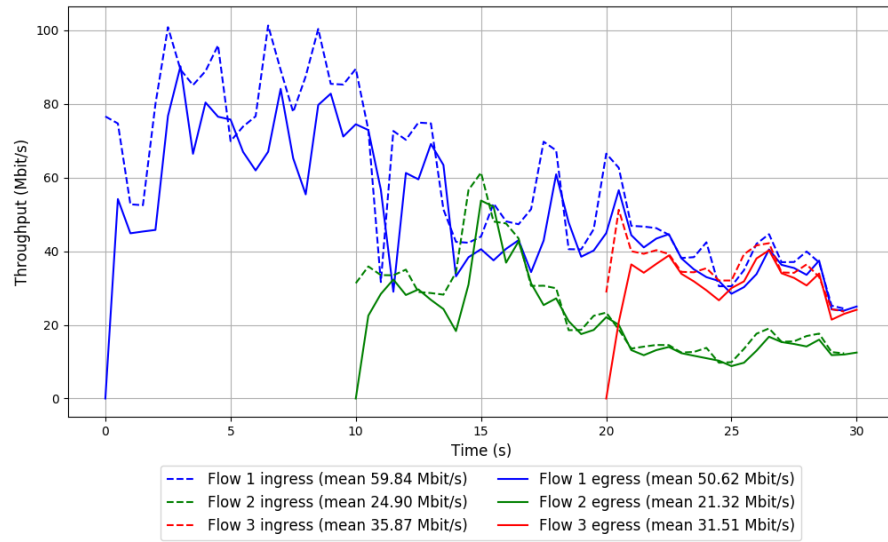
-- Flow 3:

Average throughput: 31.51 Mbit/s

95th percentile per-packet one-way delay: 38.972 ms

Loss rate: 12.17%

Run 10: Report of TCP BBR — Data Link

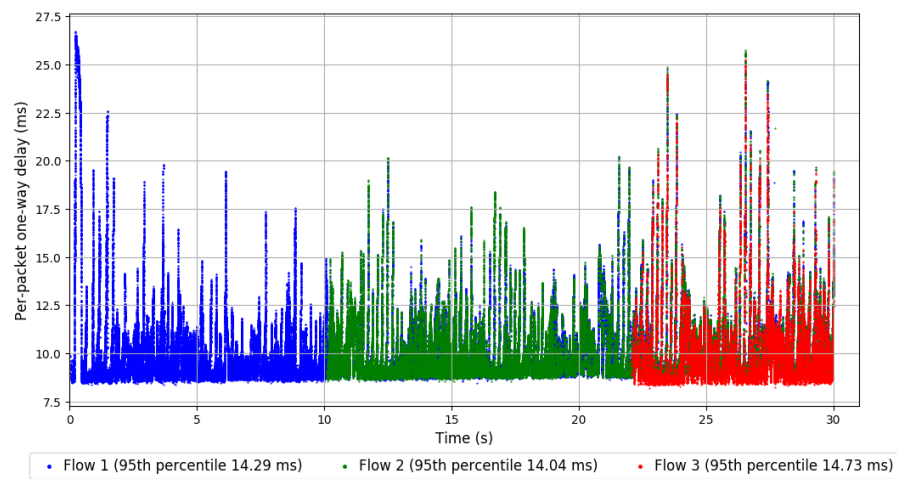
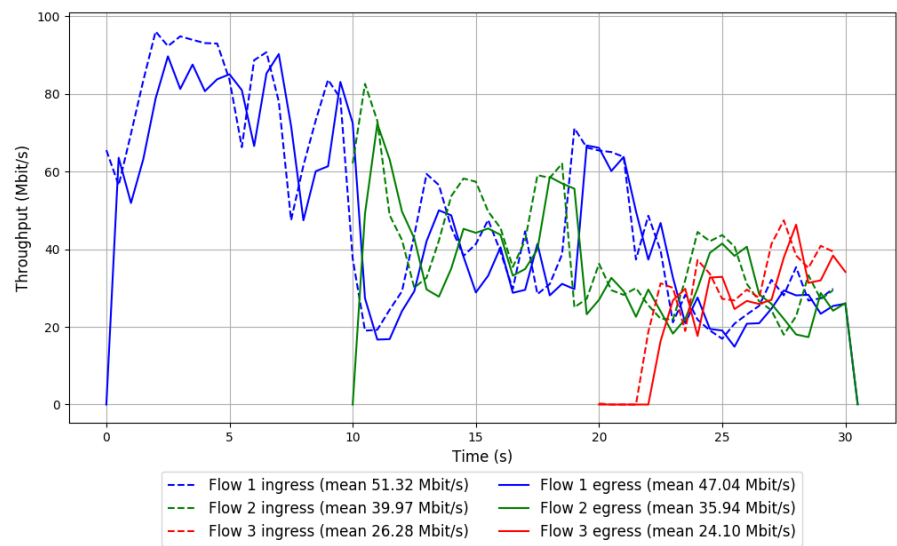


Run 1: Statistics of Copa

Start at: 2018-06-29 20:57:26
End at: 2018-06-29 20:57:56
Local clock offset: 2.374 ms
Remote clock offset: -2.637 ms

Below is generated by plot.py at 2018-06-30 00:17:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.99 Mbit/s
95th percentile per-packet one-way delay: 14.245 ms
Loss rate: 8.86%
-- Flow 1:
Average throughput: 47.04 Mbit/s
95th percentile per-packet one-way delay: 14.292 ms
Loss rate: 8.33%
-- Flow 2:
Average throughput: 35.94 Mbit/s
95th percentile per-packet one-way delay: 14.039 ms
Loss rate: 10.07%
-- Flow 3:
Average throughput: 24.10 Mbit/s
95th percentile per-packet one-way delay: 14.735 ms
Loss rate: 8.28%

Run 1: Report of Copa — Data Link

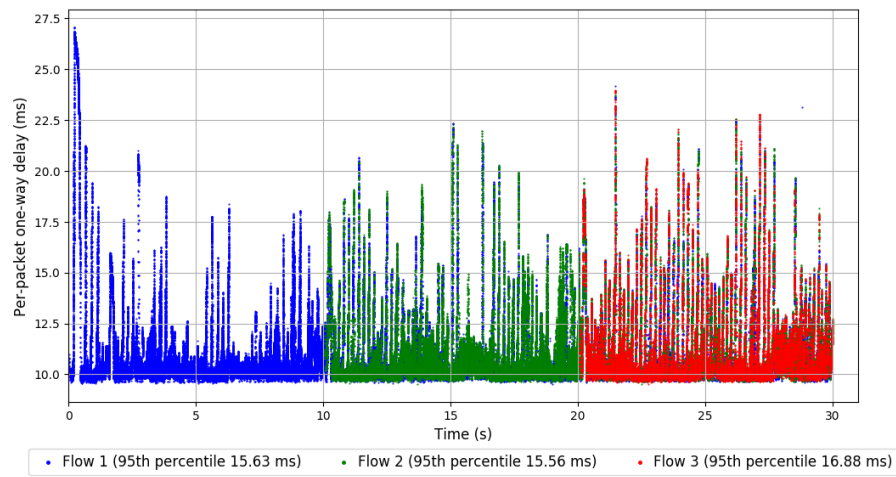
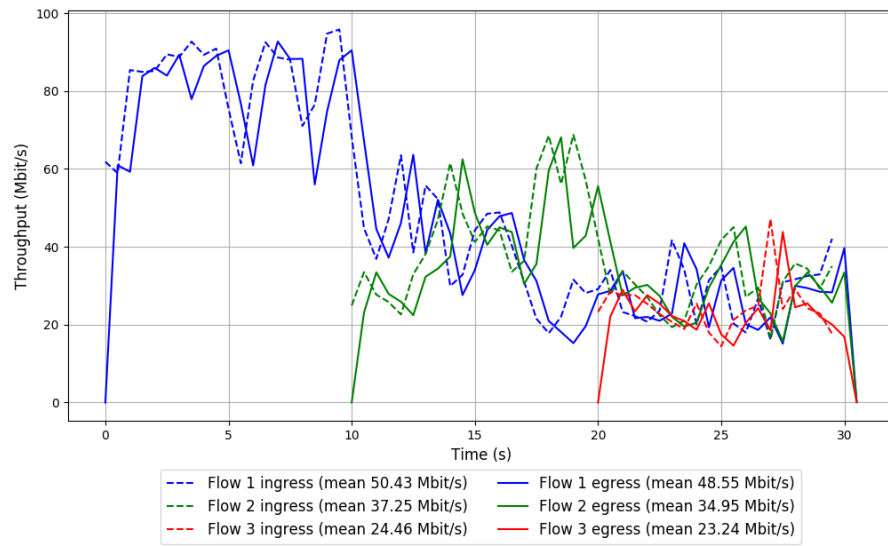


Run 2: Statistics of Copa

Start at: 2018-06-29 21:17:02
End at: 2018-06-29 21:17:32
Local clock offset: 0.223 ms
Remote clock offset: -8.814 ms

Below is generated by plot.py at 2018-06-30 00:17:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.55 Mbit/s
95th percentile per-packet one-way delay: 15.712 ms
Loss rate: 4.58%
-- Flow 1:
Average throughput: 48.55 Mbit/s
95th percentile per-packet one-way delay: 15.627 ms
Loss rate: 3.73%
-- Flow 2:
Average throughput: 34.95 Mbit/s
95th percentile per-packet one-way delay: 15.561 ms
Loss rate: 6.18%
-- Flow 3:
Average throughput: 23.24 Mbit/s
95th percentile per-packet one-way delay: 16.881 ms
Loss rate: 5.01%

Run 2: Report of Copa — Data Link

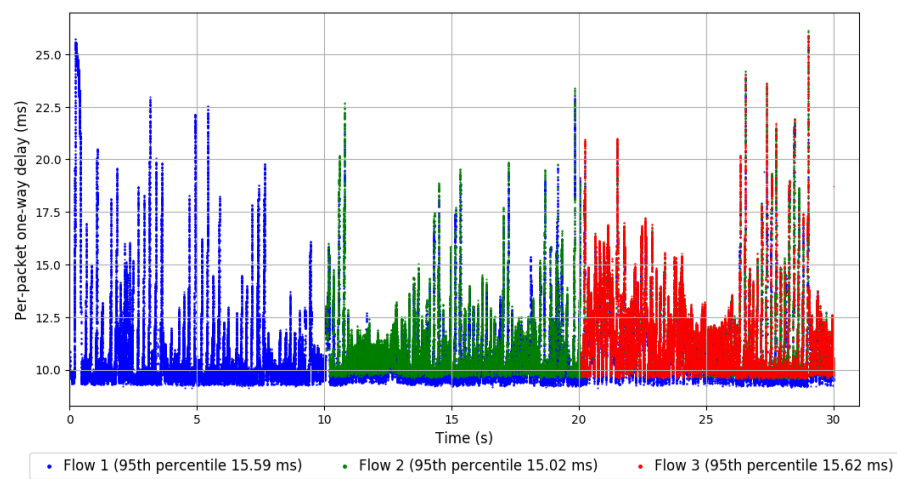
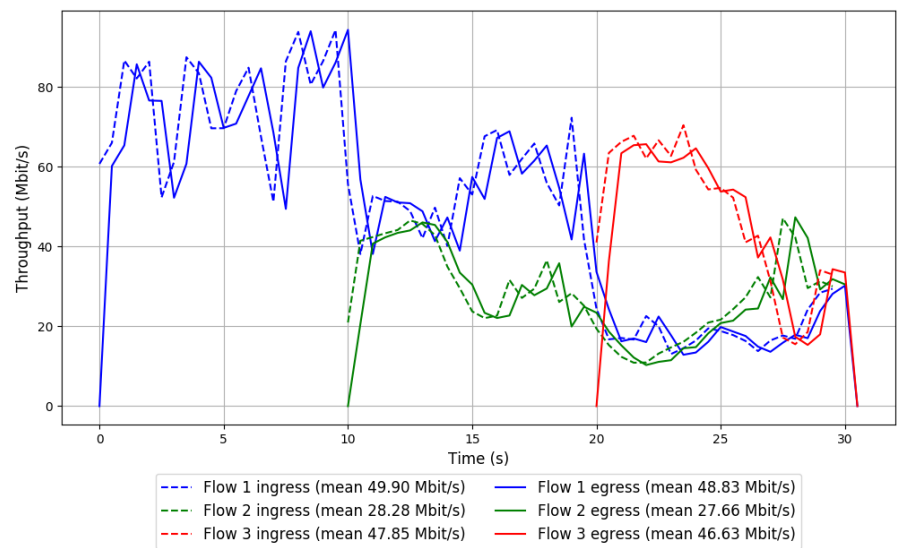


Run 3: Statistics of Copa

Start at: 2018-06-29 21:36:27
End at: 2018-06-29 21:36:57
Local clock offset: -0.55 ms
Remote clock offset: -6.185 ms

Below is generated by plot.py at 2018-06-30 00:17:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.73 Mbit/s
95th percentile per-packet one-way delay: 15.487 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 48.83 Mbit/s
95th percentile per-packet one-way delay: 15.591 ms
Loss rate: 2.14%
-- Flow 2:
Average throughput: 27.66 Mbit/s
95th percentile per-packet one-way delay: 15.023 ms
Loss rate: 2.20%
-- Flow 3:
Average throughput: 46.63 Mbit/s
95th percentile per-packet one-way delay: 15.625 ms
Loss rate: 2.55%

Run 3: Report of Copa — Data Link

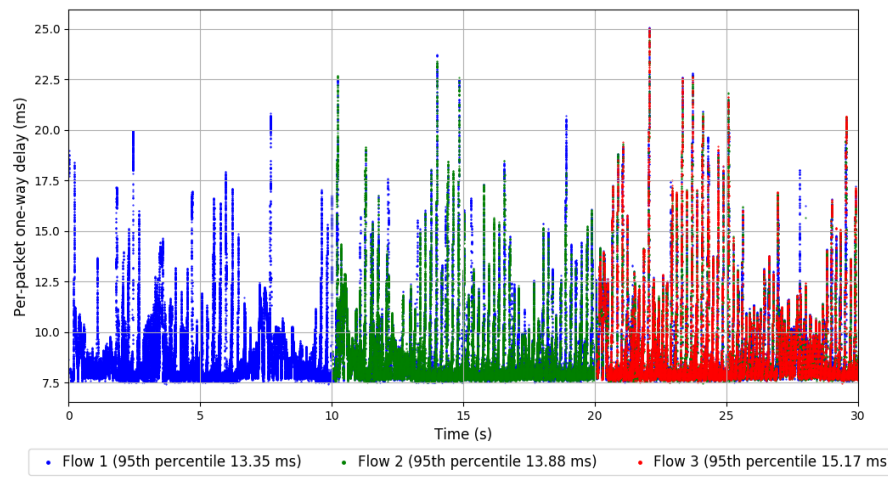
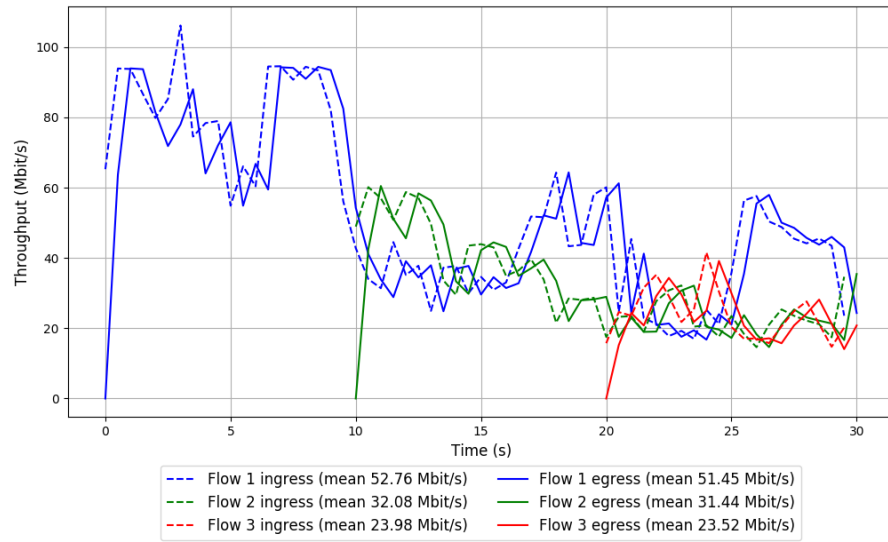


Run 4: Statistics of Copa

Start at: 2018-06-29 21:56:09
End at: 2018-06-29 21:56:39
Local clock offset: 1.941 ms
Remote clock offset: -5.714 ms

Below is generated by plot.py at 2018-06-30 00:17:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.20 Mbit/s
95th percentile per-packet one-way delay: 13.638 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 51.45 Mbit/s
95th percentile per-packet one-way delay: 13.351 ms
Loss rate: 2.49%
-- Flow 2:
Average throughput: 31.44 Mbit/s
95th percentile per-packet one-way delay: 13.878 ms
Loss rate: 2.01%
-- Flow 3:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 15.167 ms
Loss rate: 1.97%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-29 22:15:48

End at: 2018-06-29 22:16:18

Local clock offset: 3.5 ms

Remote clock offset: 5.168 ms

Below is generated by plot.py at 2018-06-30 00:17:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.82 Mbit/s

95th percentile per-packet one-way delay: 14.875 ms

Loss rate: 7.88%

-- Flow 1:

Average throughput: 45.11 Mbit/s

95th percentile per-packet one-way delay: 14.758 ms

Loss rate: 7.42%

-- Flow 2:

Average throughput: 36.83 Mbit/s

95th percentile per-packet one-way delay: 14.895 ms

Loss rate: 8.16%

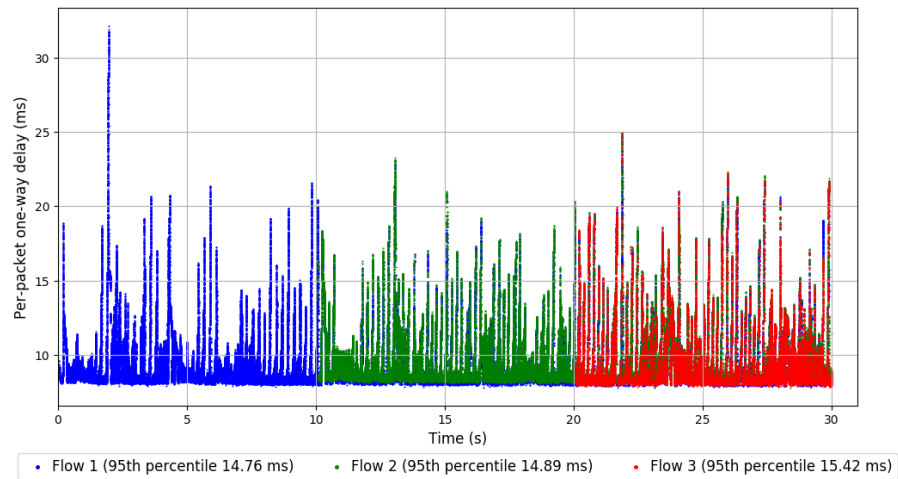
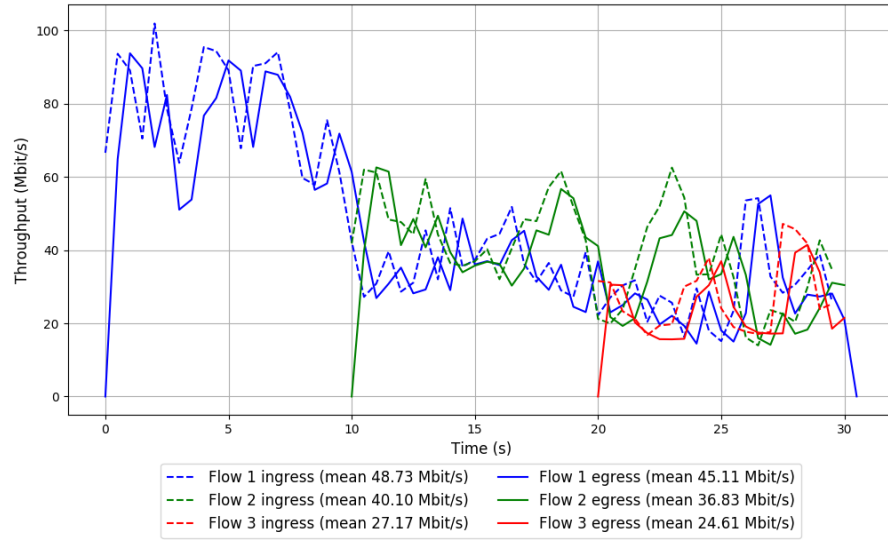
-- Flow 3:

Average throughput: 24.61 Mbit/s

95th percentile per-packet one-way delay: 15.420 ms

Loss rate: 9.53%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-06-29 22:35:19

End at: 2018-06-29 22:35:49

Local clock offset: 1.786 ms

Remote clock offset: 6.731 ms

Below is generated by plot.py at 2018-06-30 00:17:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.19 Mbit/s

95th percentile per-packet one-way delay: 14.569 ms

Loss rate: 12.86%

-- Flow 1:

Average throughput: 49.80 Mbit/s

95th percentile per-packet one-way delay: 14.476 ms

Loss rate: 12.81%

-- Flow 2:

Average throughput: 29.07 Mbit/s

95th percentile per-packet one-way delay: 14.579 ms

Loss rate: 14.01%

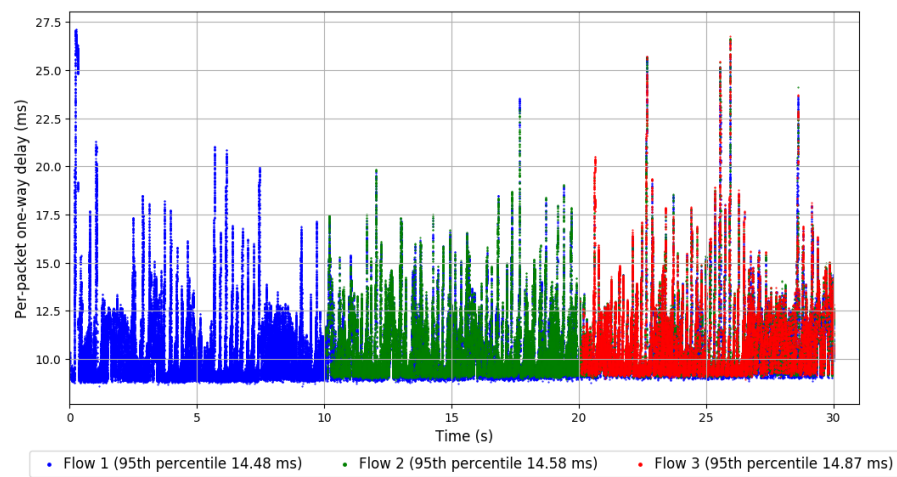
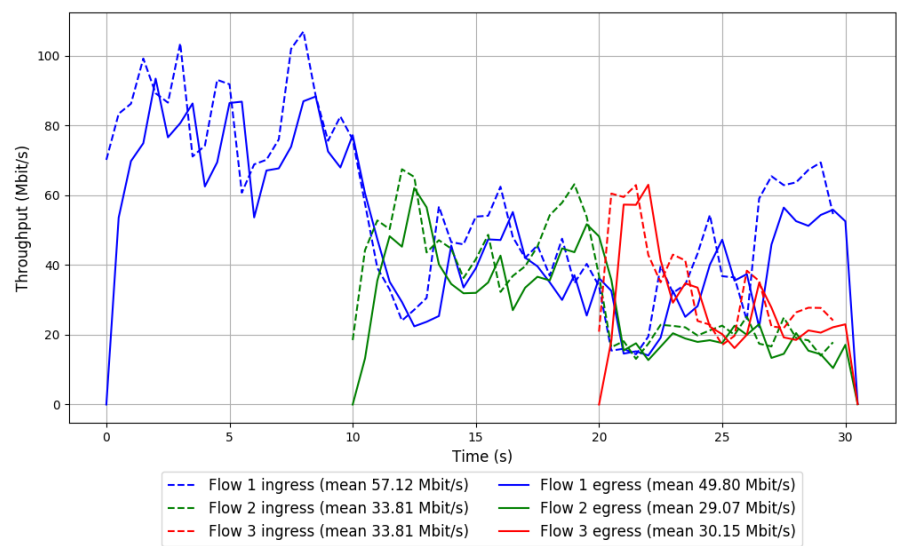
-- Flow 3:

Average throughput: 30.15 Mbit/s

95th percentile per-packet one-way delay: 14.869 ms

Loss rate: 10.83%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-06-29 22:54:50

End at: 2018-06-29 22:55:20

Local clock offset: -0.952 ms

Remote clock offset: 3.562 ms

Below is generated by plot.py at 2018-06-30 00:18:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.59 Mbit/s

95th percentile per-packet one-way delay: 17.307 ms

Loss rate: 11.82%

-- Flow 1:

Average throughput: 43.09 Mbit/s

95th percentile per-packet one-way delay: 17.598 ms

Loss rate: 12.19%

-- Flow 2:

Average throughput: 29.08 Mbit/s

95th percentile per-packet one-way delay: 17.099 ms

Loss rate: 11.03%

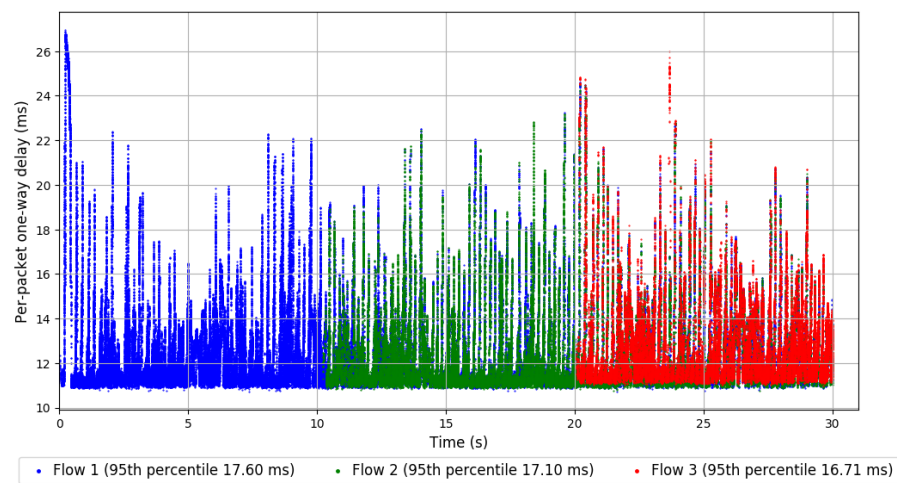
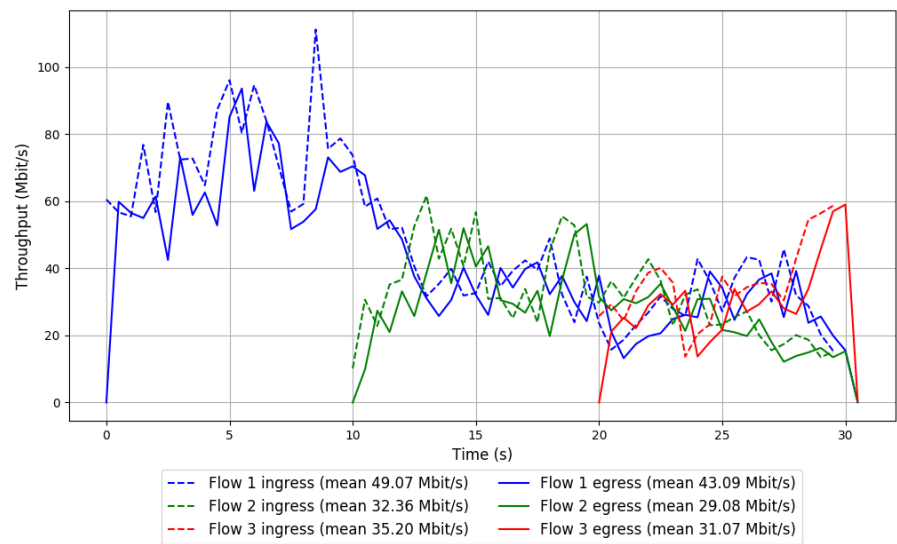
-- Flow 3:

Average throughput: 31.07 Mbit/s

95th percentile per-packet one-way delay: 16.711 ms

Loss rate: 11.74%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-06-29 23:14:29

End at: 2018-06-29 23:14:59

Local clock offset: 1.382 ms

Remote clock offset: 3.371 ms

Below is generated by plot.py at 2018-06-30 00:18:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.16 Mbit/s

95th percentile per-packet one-way delay: 16.963 ms

Loss rate: 9.72%

-- Flow 1:

Average throughput: 45.77 Mbit/s

95th percentile per-packet one-way delay: 16.570 ms

Loss rate: 8.83%

-- Flow 2:

Average throughput: 35.25 Mbit/s

95th percentile per-packet one-way delay: 17.027 ms

Loss rate: 10.89%

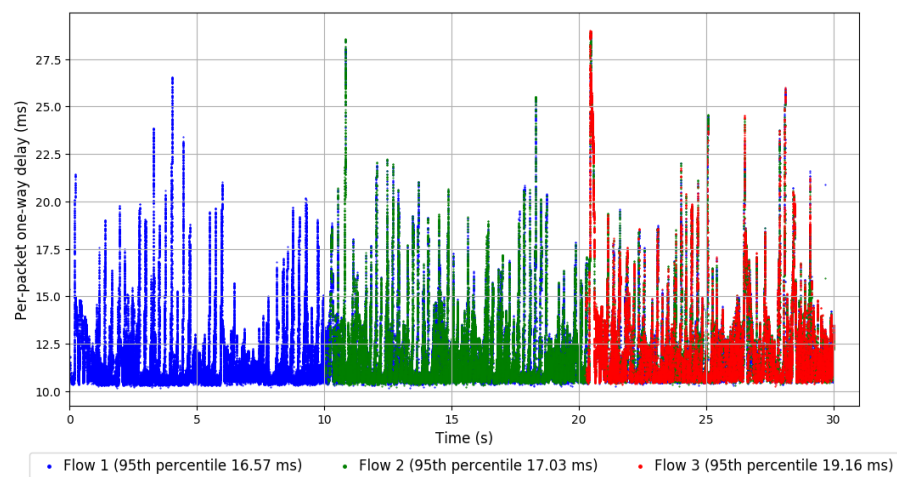
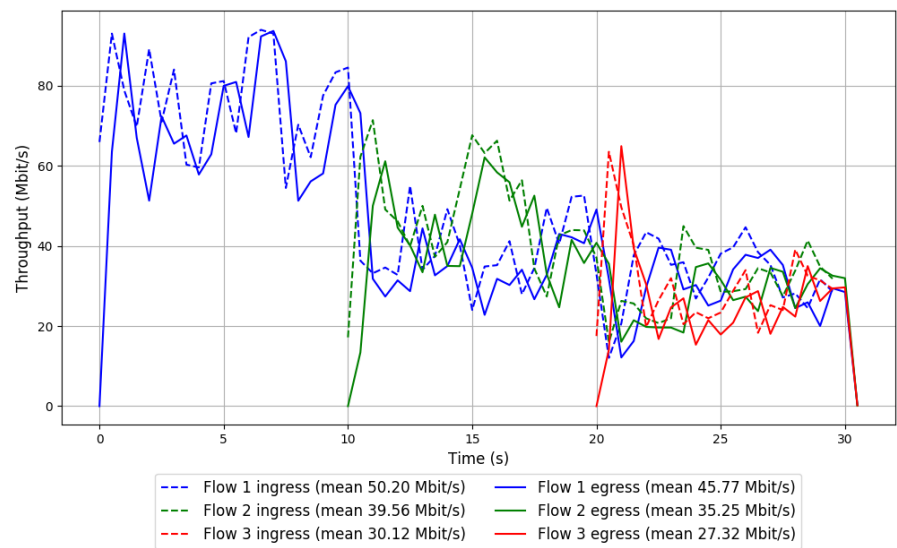
-- Flow 3:

Average throughput: 27.32 Mbit/s

95th percentile per-packet one-way delay: 19.163 ms

Loss rate: 11.09%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-06-29 23:34:04

End at: 2018-06-29 23:34:34

Local clock offset: 2.731 ms

Remote clock offset: 1.374 ms

Below is generated by plot.py at 2018-06-30 00:19:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.36 Mbit/s

95th percentile per-packet one-way delay: 14.950 ms

Loss rate: 2.00%

-- Flow 1:

Average throughput: 51.51 Mbit/s

95th percentile per-packet one-way delay: 14.591 ms

Loss rate: 1.48%

-- Flow 2:

Average throughput: 31.32 Mbit/s

95th percentile per-packet one-way delay: 15.102 ms

Loss rate: 2.76%

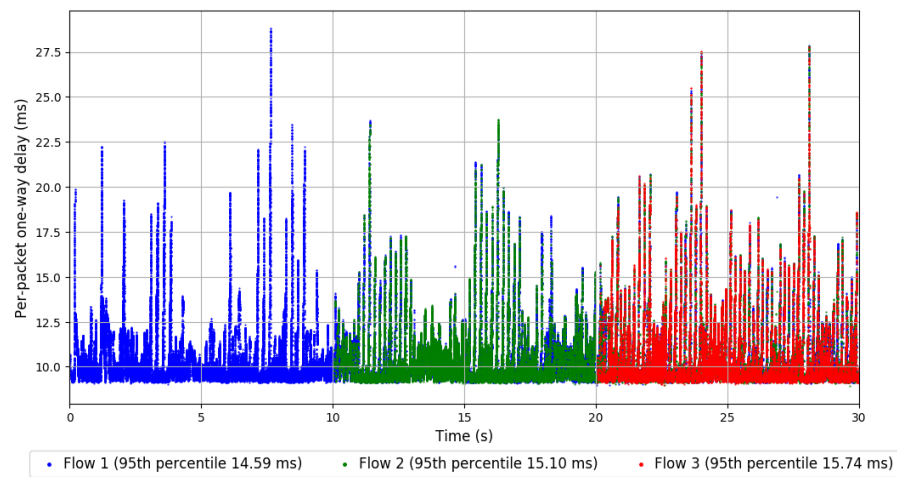
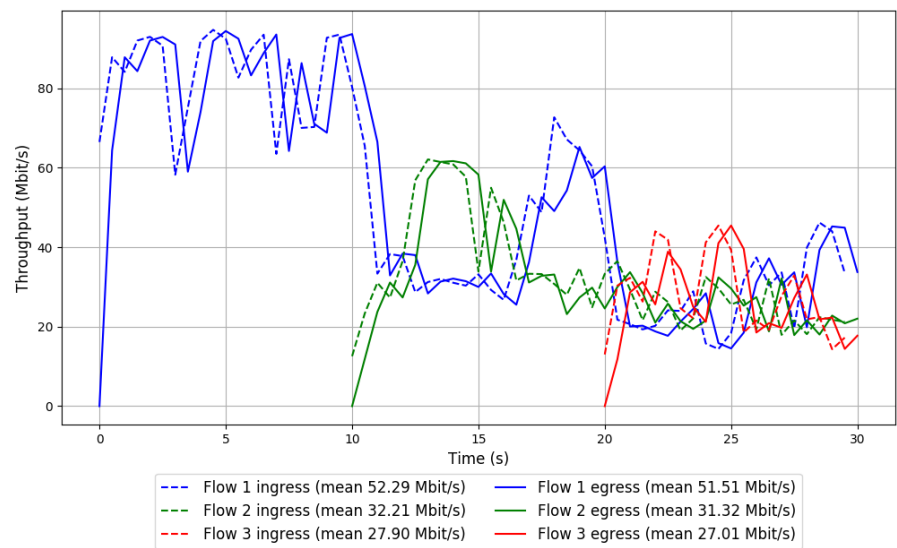
-- Flow 3:

Average throughput: 27.01 Mbit/s

95th percentile per-packet one-way delay: 15.741 ms

Loss rate: 3.18%

Run 9: Report of Copa — Data Link

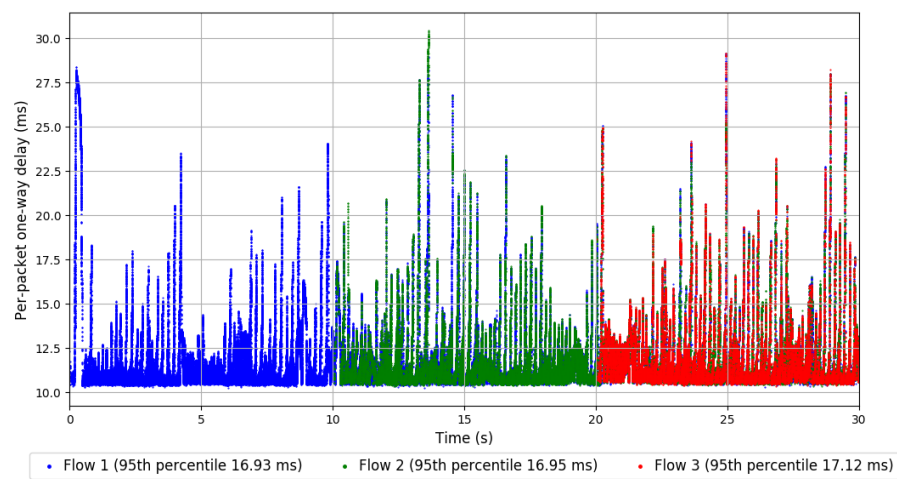
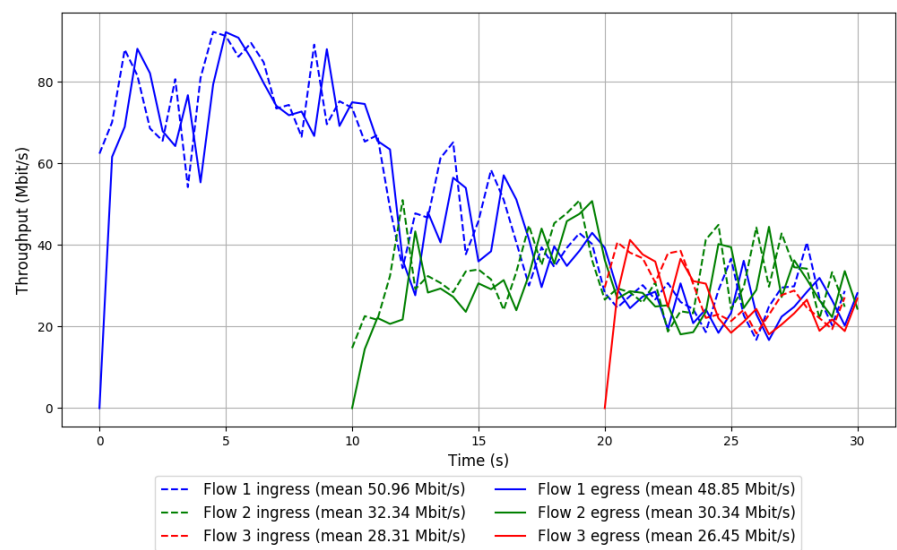


Run 10: Statistics of Copa

Start at: 2018-06-29 23:53:52
End at: 2018-06-29 23:54:22
Local clock offset: 0.433 ms
Remote clock offset: -4.864 ms

Below is generated by plot.py at 2018-06-30 00:19:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.85 Mbit/s
95th percentile per-packet one-way delay: 16.959 ms
Loss rate: 4.96%
-- Flow 1:
Average throughput: 48.85 Mbit/s
95th percentile per-packet one-way delay: 16.934 ms
Loss rate: 4.13%
-- Flow 2:
Average throughput: 30.34 Mbit/s
95th percentile per-packet one-way delay: 16.955 ms
Loss rate: 6.20%
-- Flow 3:
Average throughput: 26.45 Mbit/s
95th percentile per-packet one-way delay: 17.123 ms
Loss rate: 6.63%

Run 10: Report of Copa — Data Link

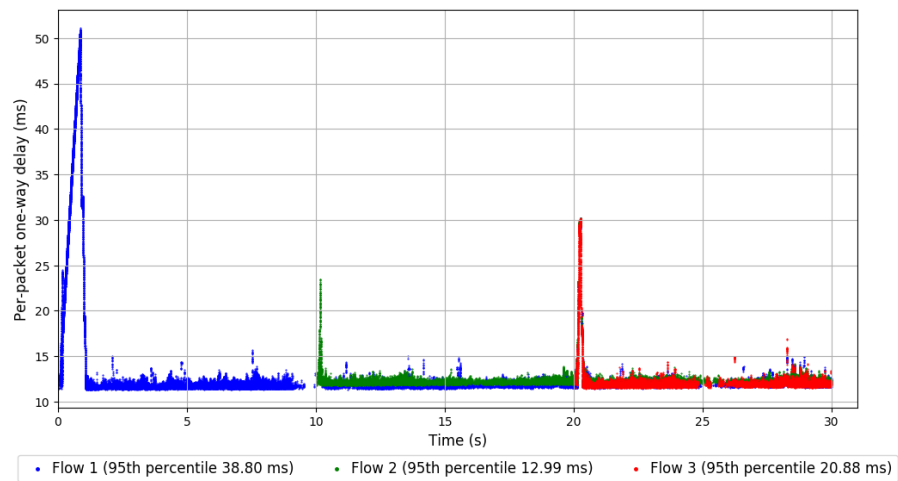
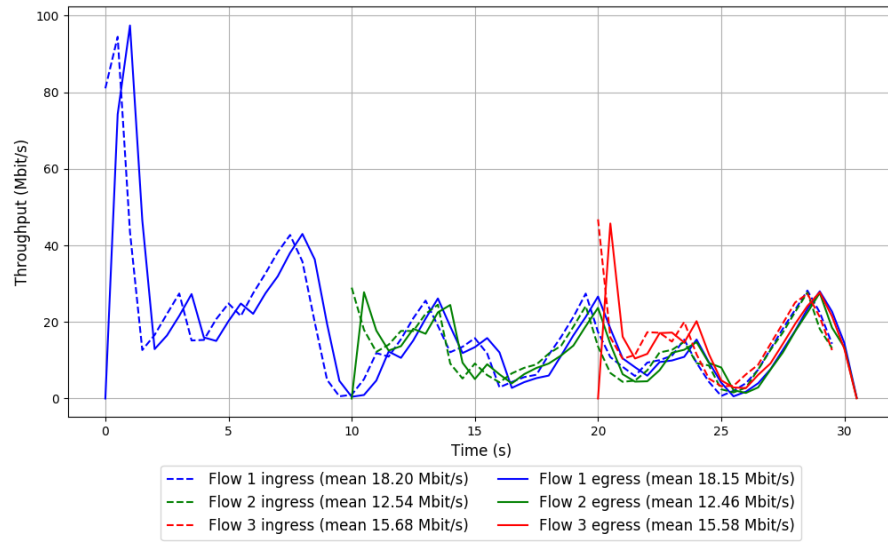


Run 1: Statistics of TCP Cubic

Start at: 2018-06-29 21:01:58
End at: 2018-06-29 21:02:28
Local clock offset: -0.227 ms
Remote clock offset: -4.372 ms

Below is generated by plot.py at 2018-06-30 00:19:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.63 Mbit/s
95th percentile per-packet one-way delay: 31.744 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 18.15 Mbit/s
95th percentile per-packet one-way delay: 38.802 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 12.46 Mbit/s
95th percentile per-packet one-way delay: 12.990 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 15.58 Mbit/s
95th percentile per-packet one-way delay: 20.882 ms
Loss rate: 0.63%

Run 1: Report of TCP Cubic — Data Link

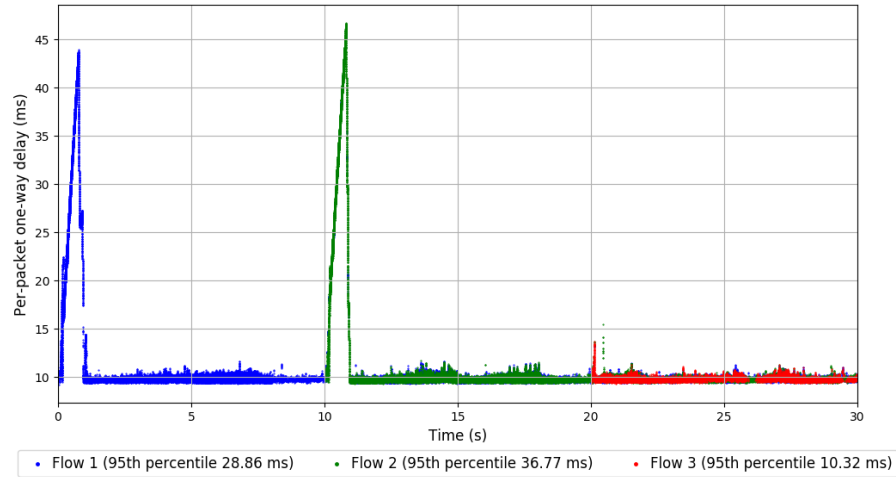
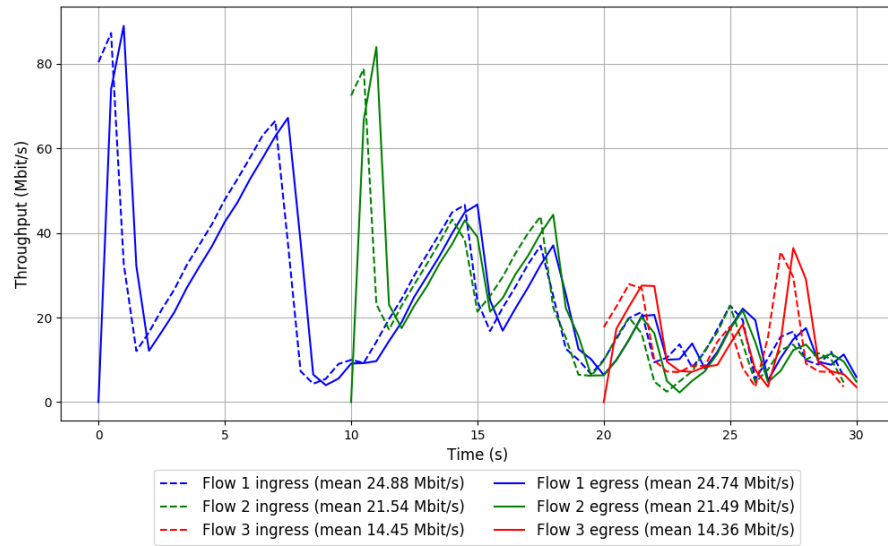


Run 2: Statistics of TCP Cubic

Start at: 2018-06-29 21:21:32
End at: 2018-06-29 21:22:02
Local clock offset: 0.003 ms
Remote clock offset: -9.841 ms

Below is generated by plot.py at 2018-06-30 00:19:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.82 Mbit/s
95th percentile per-packet one-way delay: 30.954 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 28.857 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 21.49 Mbit/s
95th percentile per-packet one-way delay: 36.774 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 14.36 Mbit/s
95th percentile per-packet one-way delay: 10.324 ms
Loss rate: 0.63%

Run 2: Report of TCP Cubic — Data Link

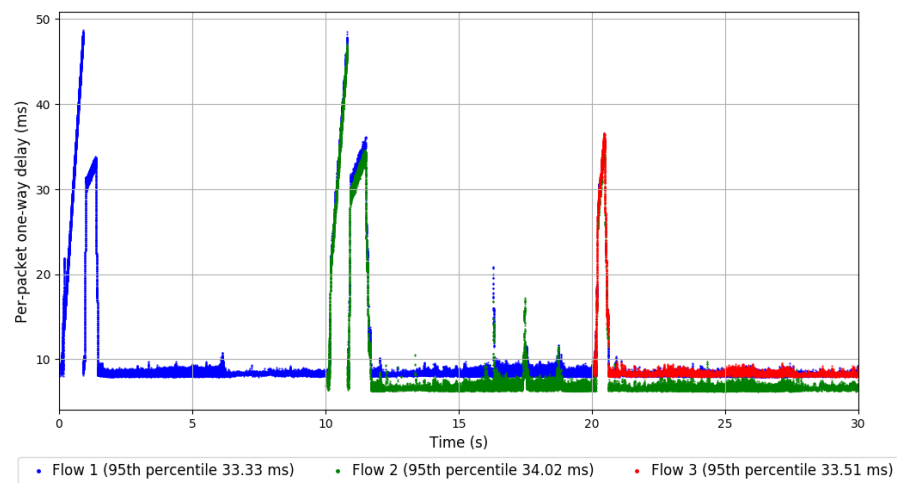
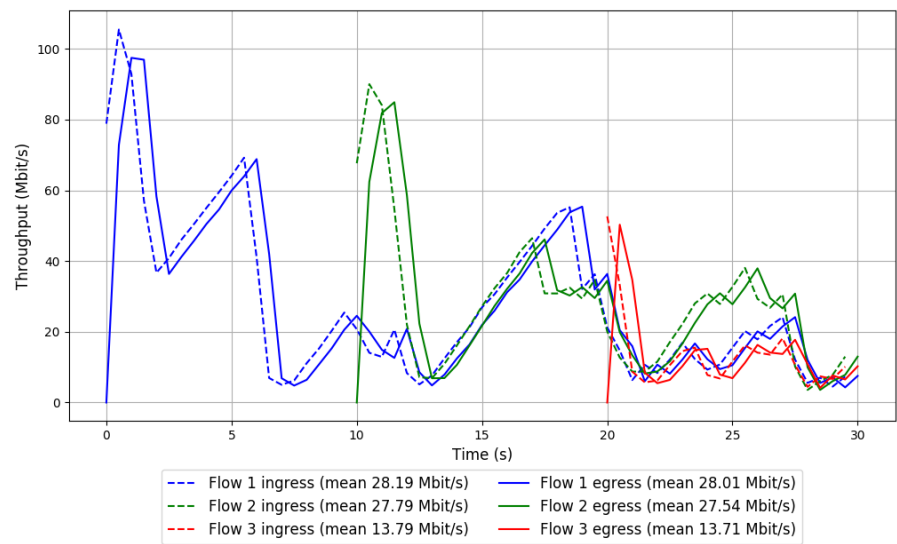


Run 3: Statistics of TCP Cubic

Start at: 2018-06-29 21:40:55
End at: 2018-06-29 21:41:25
Local clock offset: 1.492 ms
Remote clock offset: -6.511 ms

Below is generated by plot.py at 2018-06-30 00:19:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.90 Mbit/s
95th percentile per-packet one-way delay: 33.763 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 28.01 Mbit/s
95th percentile per-packet one-way delay: 33.331 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 27.54 Mbit/s
95th percentile per-packet one-way delay: 34.024 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 13.71 Mbit/s
95th percentile per-packet one-way delay: 33.513 ms
Loss rate: 0.59%

Run 3: Report of TCP Cubic — Data Link

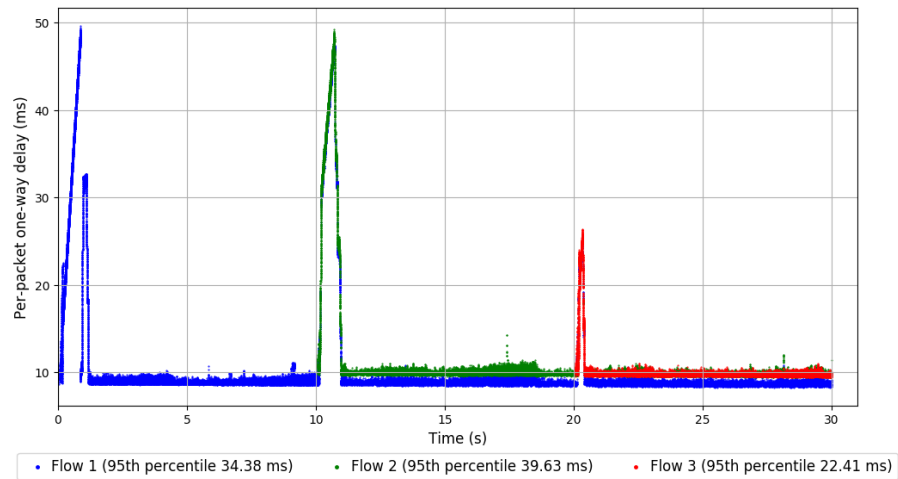
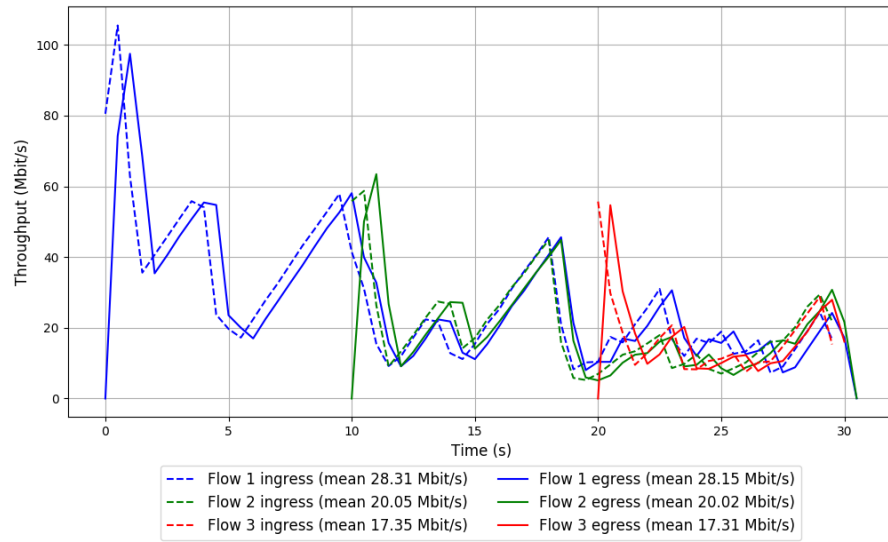


Run 4: Statistics of TCP Cubic

Start at: 2018-06-29 22:00:45
End at: 2018-06-29 22:01:15
Local clock offset: 1.473 ms
Remote clock offset: -2.969 ms

Below is generated by plot.py at 2018-06-30 00:19:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.24 Mbit/s
95th percentile per-packet one-way delay: 34.823 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 28.15 Mbit/s
95th percentile per-packet one-way delay: 34.379 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 20.02 Mbit/s
95th percentile per-packet one-way delay: 39.634 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 17.31 Mbit/s
95th percentile per-packet one-way delay: 22.410 ms
Loss rate: 0.18%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-06-29 22:20:18

End at: 2018-06-29 22:20:48

Local clock offset: 0.783 ms

Remote clock offset: 6.658 ms

Below is generated by plot.py at 2018-06-30 00:19:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.28 Mbit/s

95th percentile per-packet one-way delay: 32.923 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 27.87 Mbit/s

95th percentile per-packet one-way delay: 35.138 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 20.76 Mbit/s

95th percentile per-packet one-way delay: 24.272 ms

Loss rate: 0.12%

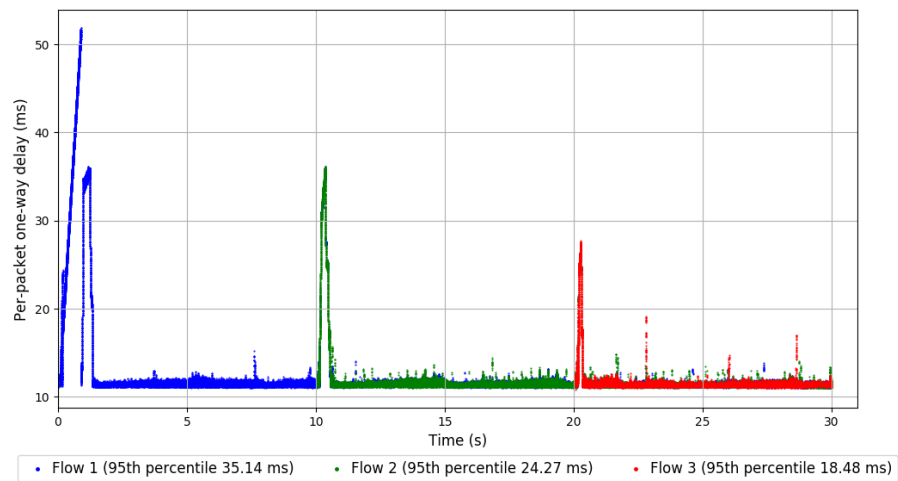
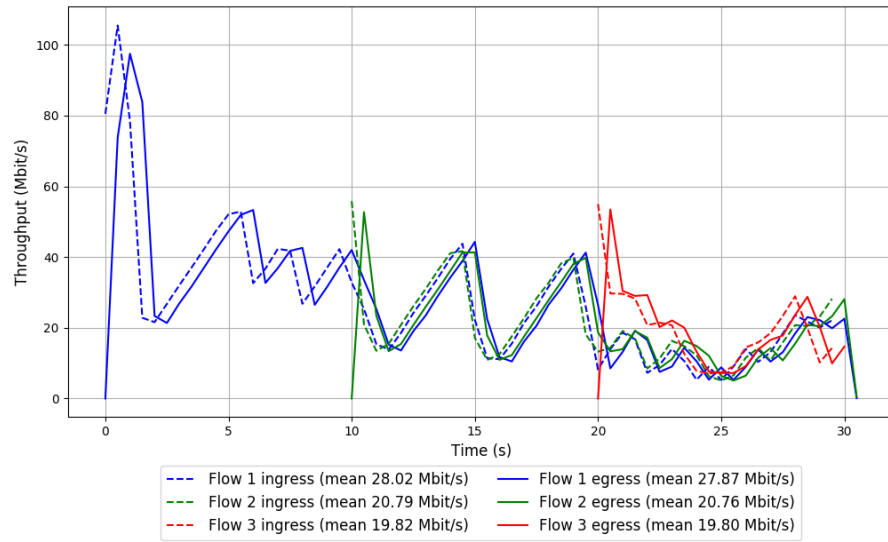
-- Flow 3:

Average throughput: 19.80 Mbit/s

95th percentile per-packet one-way delay: 18.480 ms

Loss rate: 0.14%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-06-29 22:39:51

End at: 2018-06-29 22:40:21

Local clock offset: 0.793 ms

Remote clock offset: 6.443 ms

Below is generated by plot.py at 2018-06-30 00:19:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.44 Mbit/s

95th percentile per-packet one-way delay: 11.855 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 12.03 Mbit/s

95th percentile per-packet one-way delay: 11.881 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 6.62 Mbit/s

95th percentile per-packet one-way delay: 11.680 ms

Loss rate: 1.48%

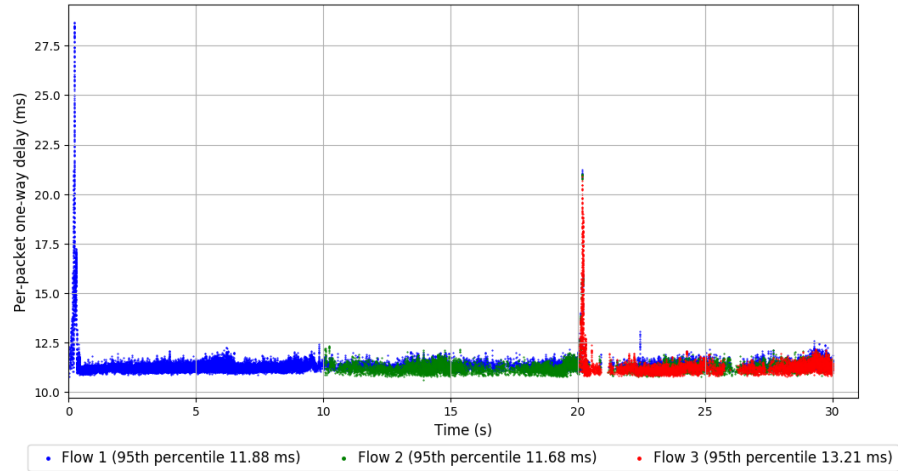
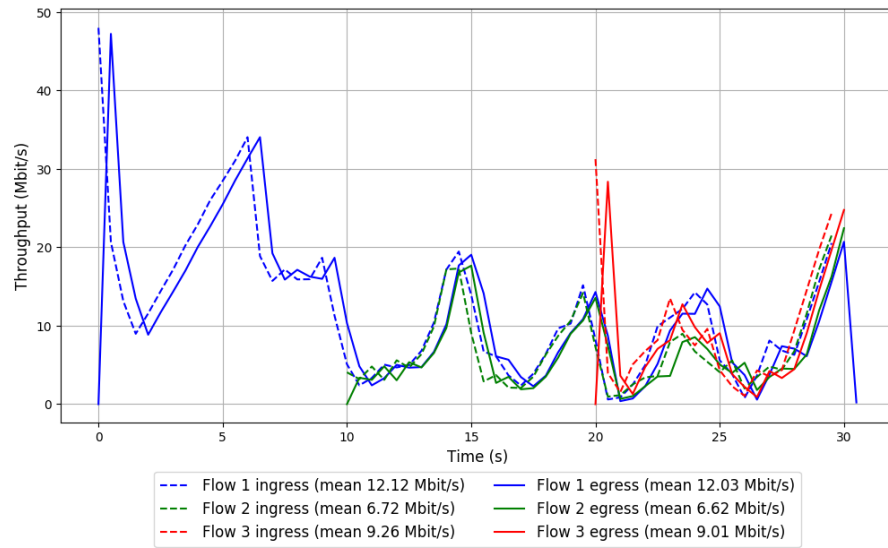
-- Flow 3:

Average throughput: 9.01 Mbit/s

95th percentile per-packet one-way delay: 13.206 ms

Loss rate: 2.72%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-06-29 22:59:20

End at: 2018-06-29 22:59:50

Local clock offset: 1.182 ms

Remote clock offset: 4.072 ms

Below is generated by plot.py at 2018-06-30 00:19:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 32.36 Mbit/s

95th percentile per-packet one-way delay: 24.468 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 20.17 Mbit/s

95th percentile per-packet one-way delay: 31.555 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 12.81 Mbit/s

95th percentile per-packet one-way delay: 10.308 ms

Loss rate: 0.56%

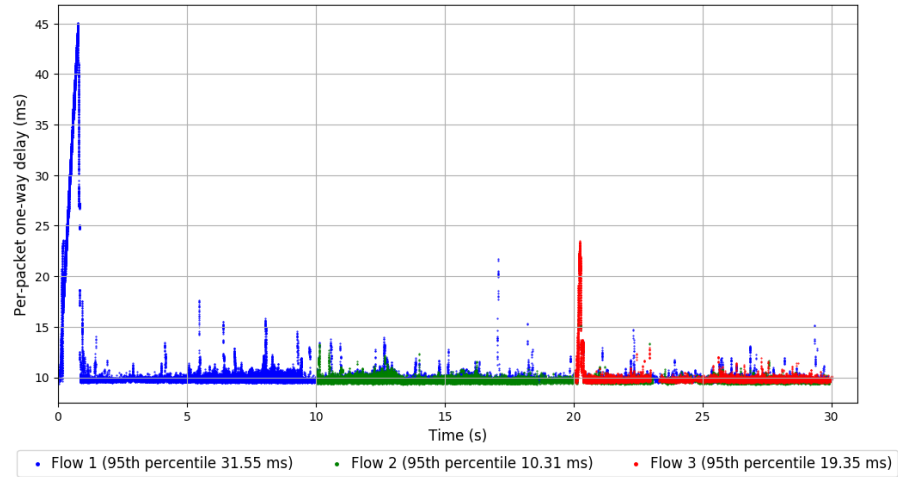
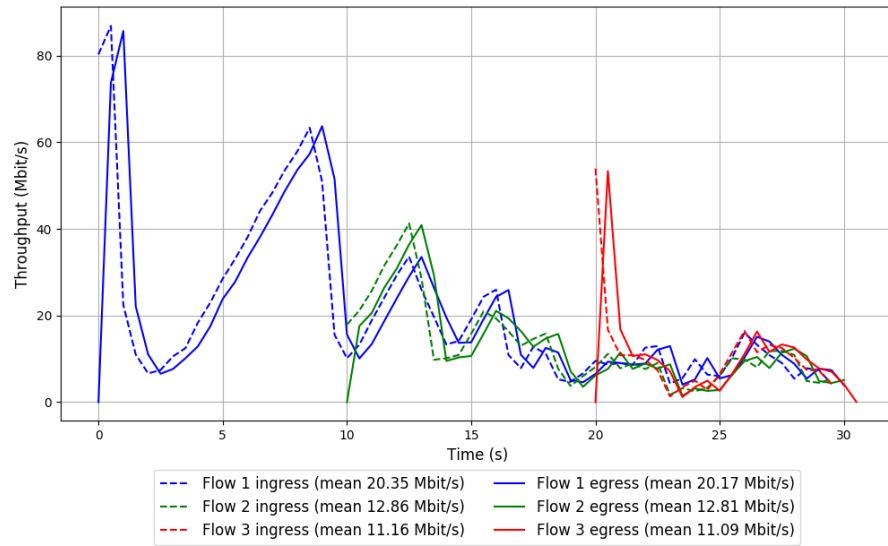
-- Flow 3:

Average throughput: 11.09 Mbit/s

95th percentile per-packet one-way delay: 19.348 ms

Loss rate: 0.65%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-06-29 23:18:59

End at: 2018-06-29 23:19:29

Local clock offset: 2.583 ms

Remote clock offset: 1.316 ms

Below is generated by plot.py at 2018-06-30 00:19:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.90 Mbit/s

95th percentile per-packet one-way delay: 28.140 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 21.28 Mbit/s

95th percentile per-packet one-way delay: 27.144 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 16.59 Mbit/s

95th percentile per-packet one-way delay: 33.007 ms

Loss rate: 0.37%

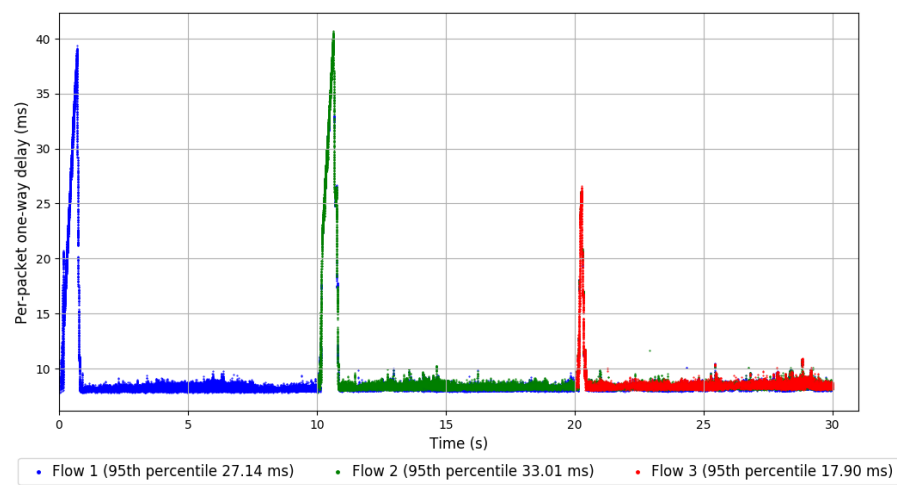
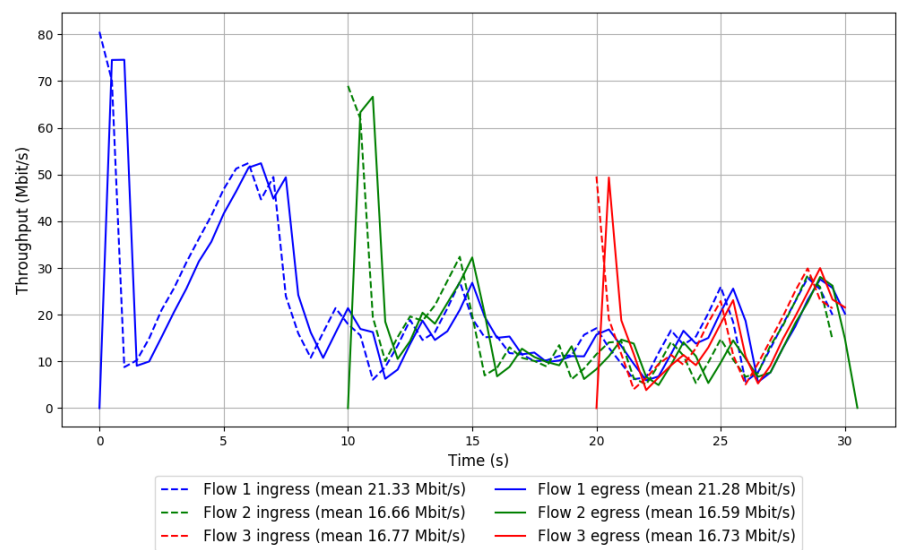
-- Flow 3:

Average throughput: 16.73 Mbit/s

95th percentile per-packet one-way delay: 17.898 ms

Loss rate: 0.29%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-06-29 23:38:41

End at: 2018-06-29 23:39:11

Local clock offset: 3.79 ms

Remote clock offset: 1.771 ms

Below is generated by plot.py at 2018-06-30 00:19:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.67 Mbit/s

95th percentile per-packet one-way delay: 41.391 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 44.41 Mbit/s

95th percentile per-packet one-way delay: 42.361 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 26.99 Mbit/s

95th percentile per-packet one-way delay: 37.956 ms

Loss rate: 0.07%

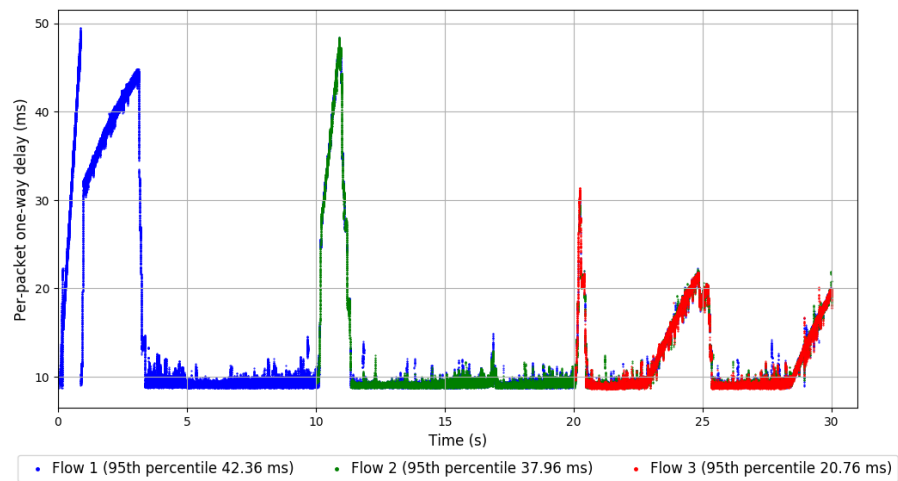
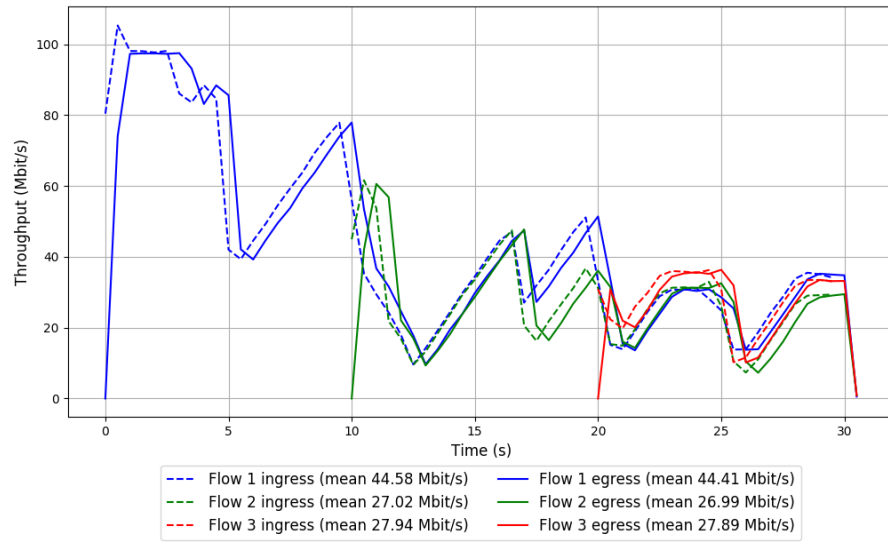
-- Flow 3:

Average throughput: 27.89 Mbit/s

95th percentile per-packet one-way delay: 20.761 ms

Loss rate: 0.05%

Run 9: Report of TCP Cubic — Data Link

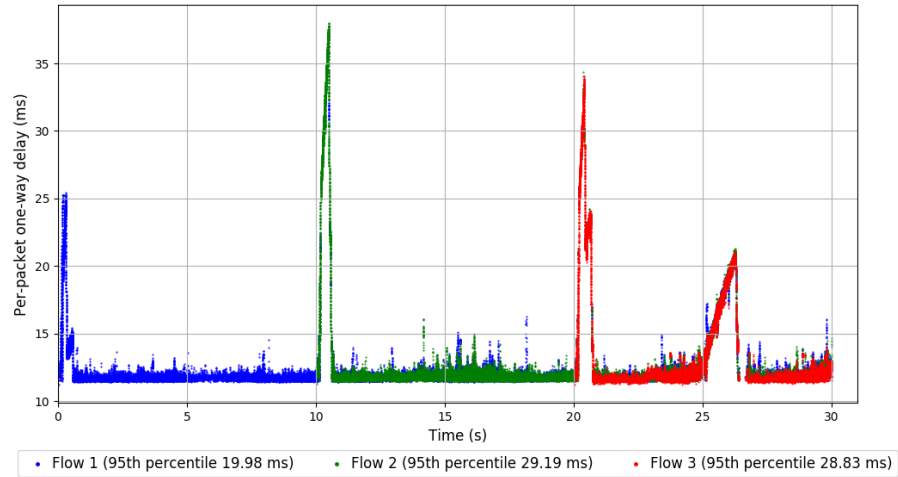
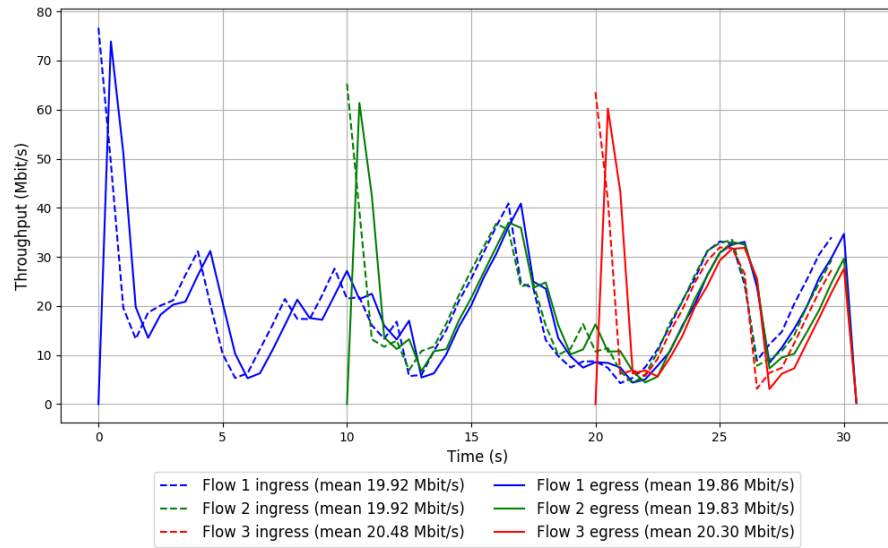


Run 10: Statistics of TCP Cubic

Start at: 2018-06-29 23:58:21
End at: 2018-06-29 23:58:51
Local clock offset: -0.375 ms
Remote clock offset: -5.602 ms

Below is generated by plot.py at 2018-06-30 00:19:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.82 Mbit/s
95th percentile per-packet one-way delay: 23.841 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 19.86 Mbit/s
95th percentile per-packet one-way delay: 19.985 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 19.83 Mbit/s
95th percentile per-packet one-way delay: 29.194 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 20.30 Mbit/s
95th percentile per-packet one-way delay: 28.834 ms
Loss rate: 0.88%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-06-29 21:12:35

End at: 2018-06-29 21:13:05

Local clock offset: 2.662 ms

Remote clock offset: -7.73 ms

Below is generated by plot.py at 2018-06-30 00:20:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.34 Mbit/s

95th percentile per-packet one-way delay: 43.081 ms

Loss rate: 26.35%

-- Flow 1:

Average throughput: 52.32 Mbit/s

95th percentile per-packet one-way delay: 41.418 ms

Loss rate: 24.34%

-- Flow 2:

Average throughput: 38.96 Mbit/s

95th percentile per-packet one-way delay: 43.952 ms

Loss rate: 28.33%

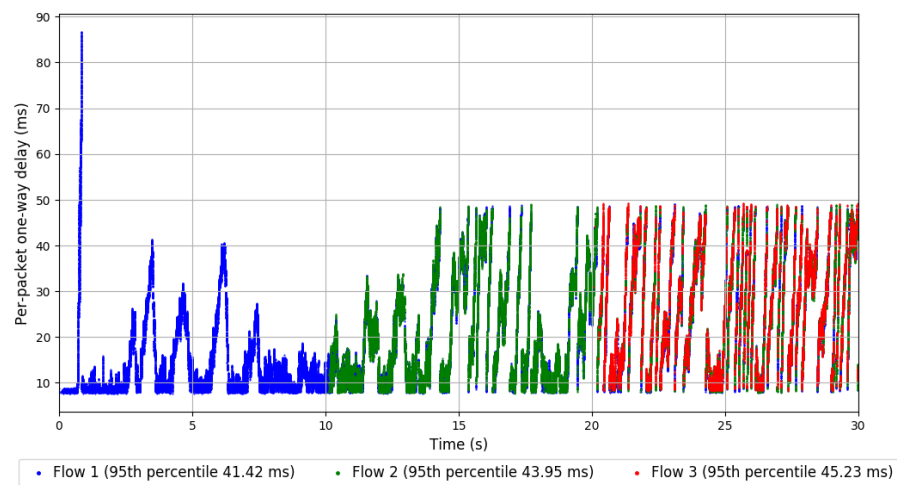
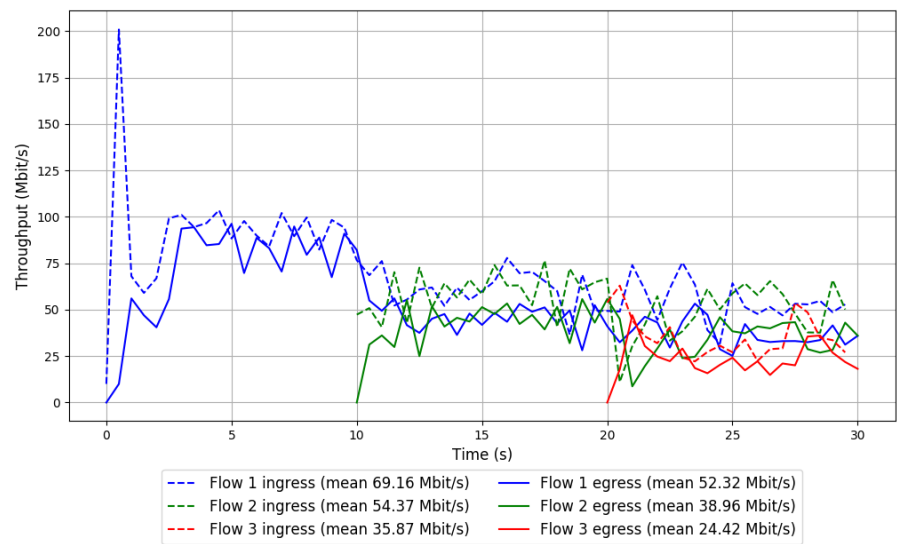
-- Flow 3:

Average throughput: 24.42 Mbit/s

95th percentile per-packet one-way delay: 45.226 ms

Loss rate: 32.05%

Run 1: Report of FillP — Data Link

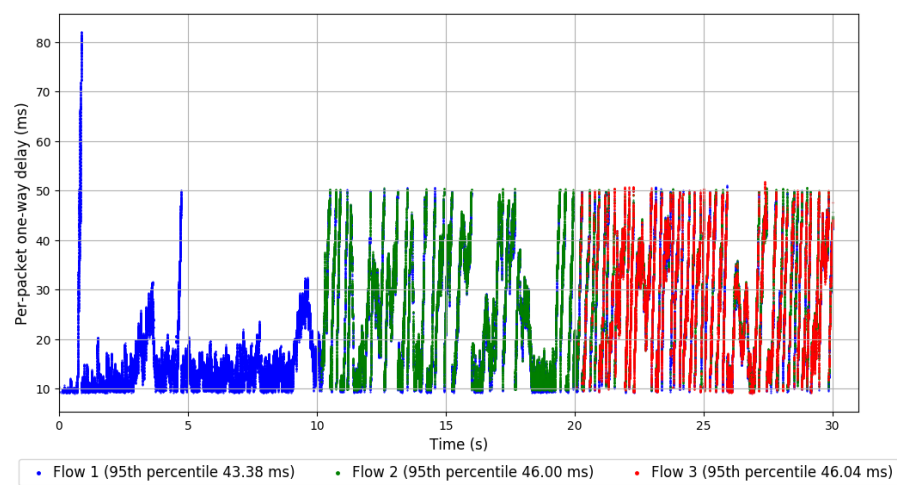
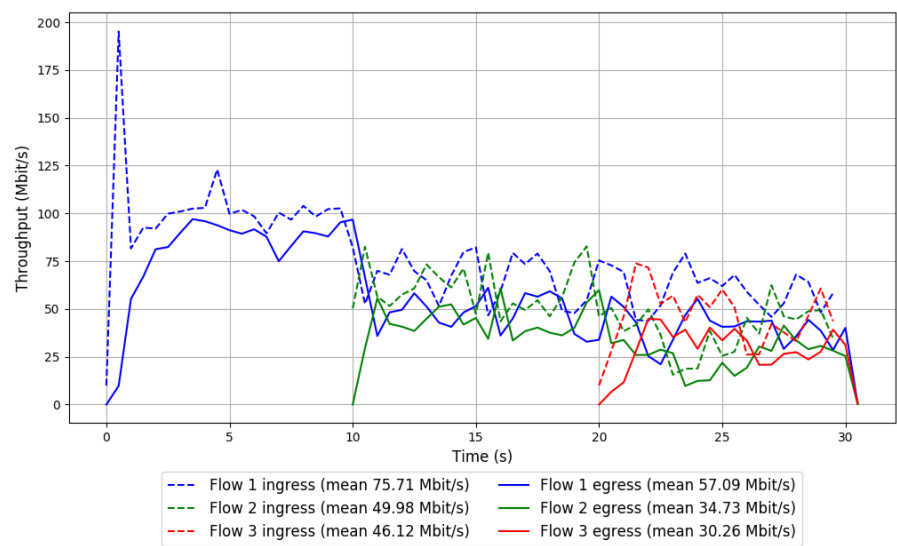


Run 2: Statistics of FillP

Start at: 2018-06-29 21:31:58
End at: 2018-06-29 21:32:28
Local clock offset: 0.007 ms
Remote clock offset: -6.389 ms

Below is generated by plot.py at 2018-06-30 00:20:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.27 Mbit/s
95th percentile per-packet one-way delay: 44.696 ms
Loss rate: 27.28%
-- Flow 1:
Average throughput: 57.09 Mbit/s
95th percentile per-packet one-way delay: 43.375 ms
Loss rate: 24.51%
-- Flow 2:
Average throughput: 34.73 Mbit/s
95th percentile per-packet one-way delay: 46.000 ms
Loss rate: 30.41%
-- Flow 3:
Average throughput: 30.26 Mbit/s
95th percentile per-packet one-way delay: 46.036 ms
Loss rate: 34.20%

Run 2: Report of FillP — Data Link

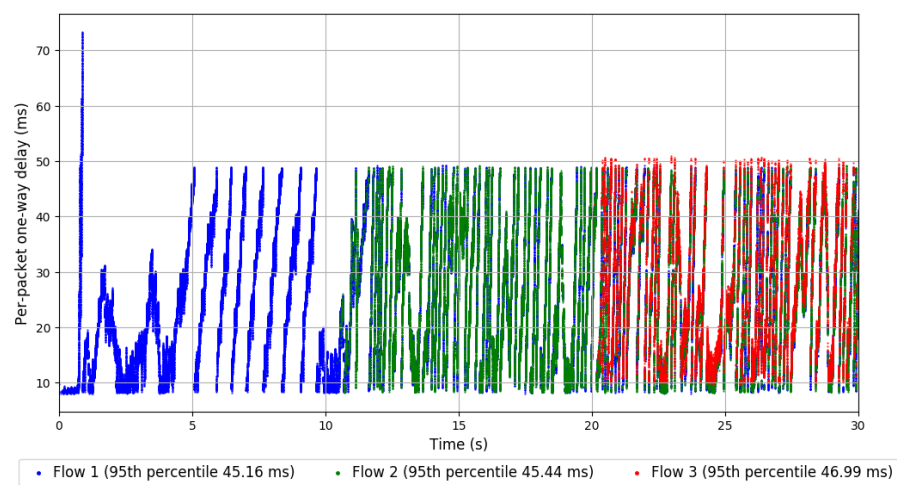
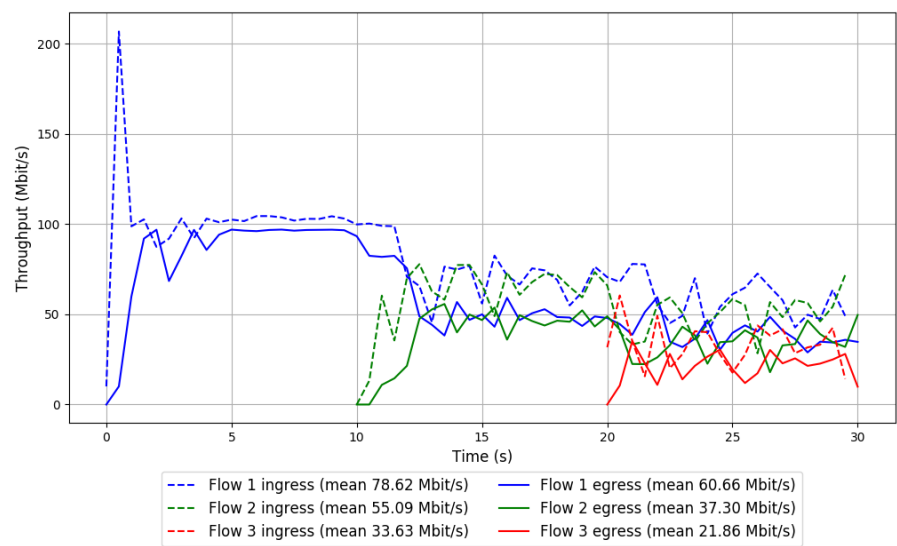


Run 3: Statistics of FillP

Start at: 2018-06-29 21:51:35
End at: 2018-06-29 21:52:05
Local clock offset: 1.348 ms
Remote clock offset: -4.739 ms

Below is generated by plot.py at 2018-06-30 00:20:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.75 Mbit/s
95th percentile per-packet one-way delay: 45.418 ms
Loss rate: 26.58%
-- Flow 1:
Average throughput: 60.66 Mbit/s
95th percentile per-packet one-way delay: 45.163 ms
Loss rate: 22.76%
-- Flow 2:
Average throughput: 37.30 Mbit/s
95th percentile per-packet one-way delay: 45.437 ms
Loss rate: 32.20%
-- Flow 3:
Average throughput: 21.86 Mbit/s
95th percentile per-packet one-way delay: 46.986 ms
Loss rate: 34.99%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-06-29 22:11:19

End at: 2018-06-29 22:11:49

Local clock offset: 0.697 ms

Remote clock offset: 3.507 ms

Below is generated by plot.py at 2018-06-30 00:20:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.95 Mbit/s

95th percentile per-packet one-way delay: 46.397 ms

Loss rate: 24.51%

-- Flow 1:

Average throughput: 57.94 Mbit/s

95th percentile per-packet one-way delay: 45.653 ms

Loss rate: 20.63%

-- Flow 2:

Average throughput: 37.54 Mbit/s

95th percentile per-packet one-way delay: 47.153 ms

Loss rate: 30.51%

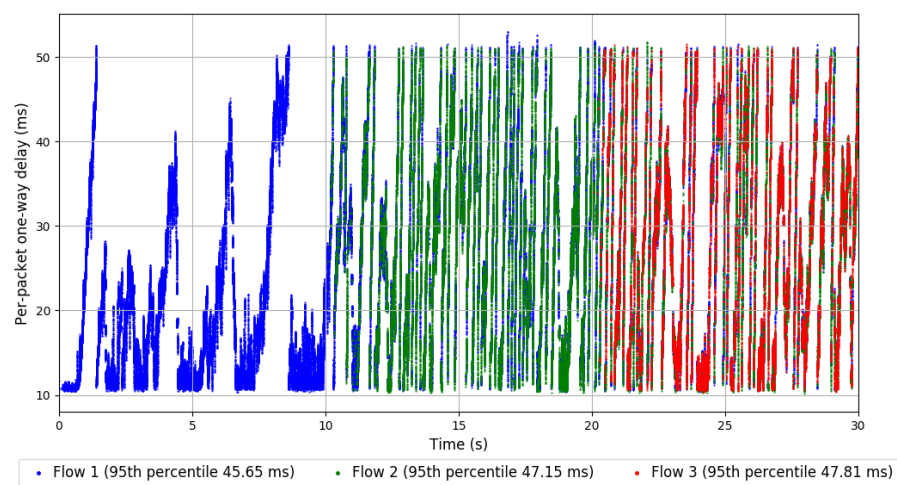
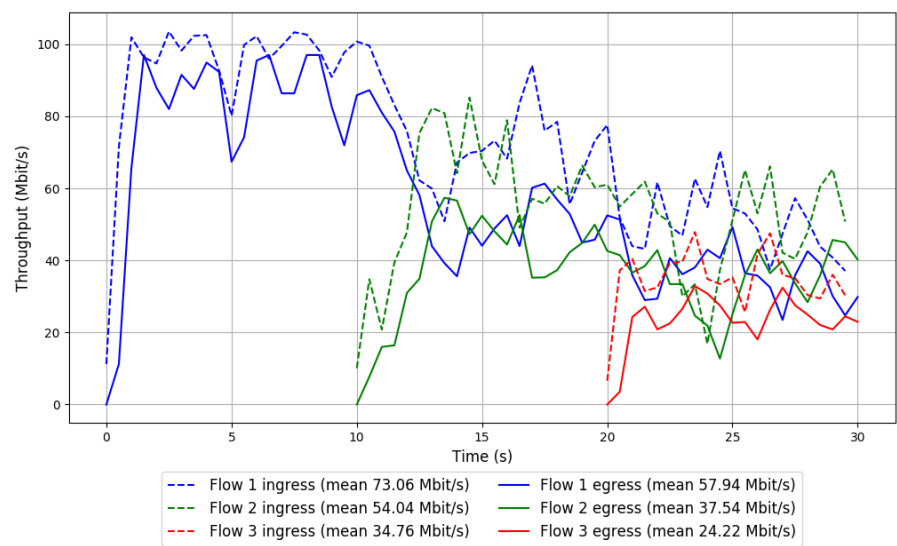
-- Flow 3:

Average throughput: 24.22 Mbit/s

95th percentile per-packet one-way delay: 47.807 ms

Loss rate: 30.32%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-06-29 22:30:52

End at: 2018-06-29 22:31:22

Local clock offset: -0.672 ms

Remote clock offset: 8.897 ms

Below is generated by plot.py at 2018-06-30 00:20:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.76 Mbit/s

95th percentile per-packet one-way delay: 48.444 ms

Loss rate: 28.38%

-- Flow 1:

Average throughput: 57.05 Mbit/s

95th percentile per-packet one-way delay: 47.532 ms

Loss rate: 24.40%

-- Flow 2:

Average throughput: 38.55 Mbit/s

95th percentile per-packet one-way delay: 49.372 ms

Loss rate: 33.48%

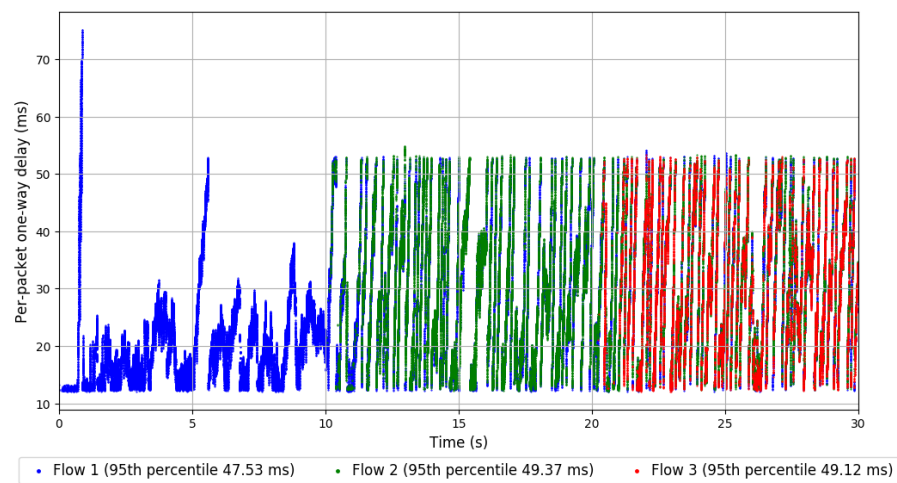
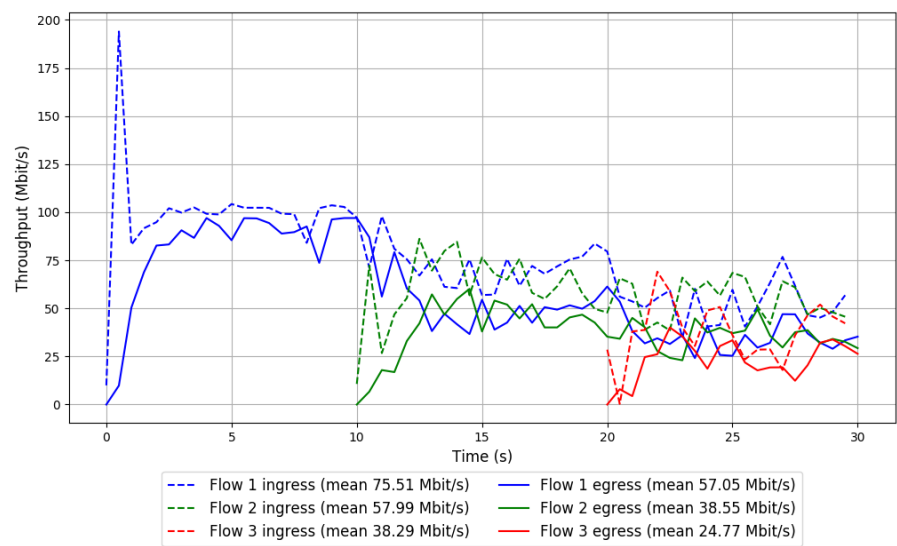
-- Flow 3:

Average throughput: 24.77 Mbit/s

95th percentile per-packet one-way delay: 49.120 ms

Loss rate: 36.55%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-06-29 22:50:21

End at: 2018-06-29 22:50:51

Local clock offset: -0.699 ms

Remote clock offset: 4.719 ms

Below is generated by plot.py at 2018-06-30 00:21:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.19 Mbit/s

95th percentile per-packet one-way delay: 48.035 ms

Loss rate: 26.98%

-- Flow 1:

Average throughput: 58.92 Mbit/s

95th percentile per-packet one-way delay: 47.616 ms

Loss rate: 24.49%

-- Flow 2:

Average throughput: 34.33 Mbit/s

95th percentile per-packet one-way delay: 48.464 ms

Loss rate: 30.43%

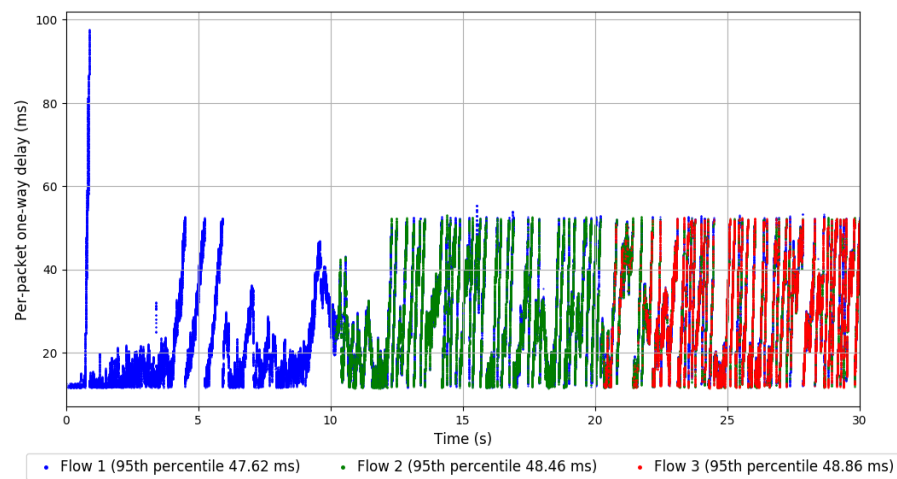
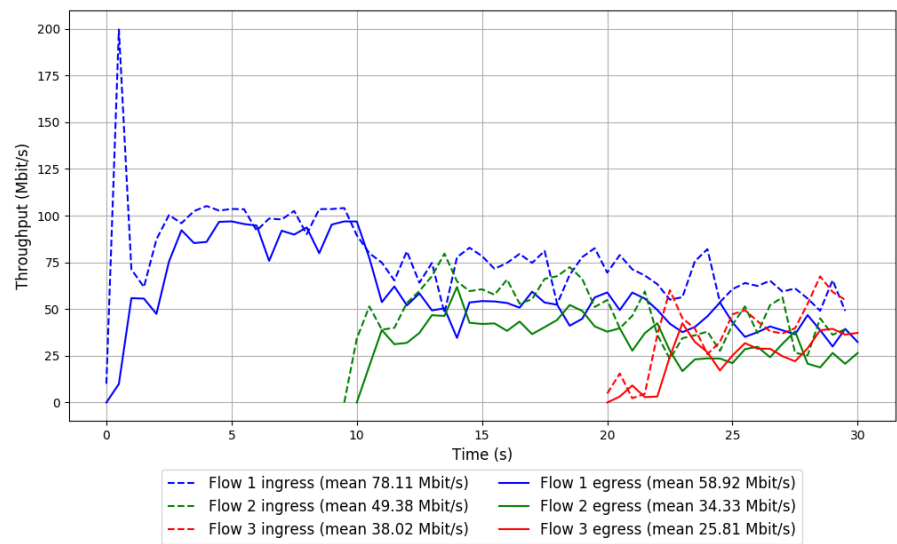
-- Flow 3:

Average throughput: 25.81 Mbit/s

95th percentile per-packet one-way delay: 48.860 ms

Loss rate: 33.36%

Run 6: Report of FillP — Data Link

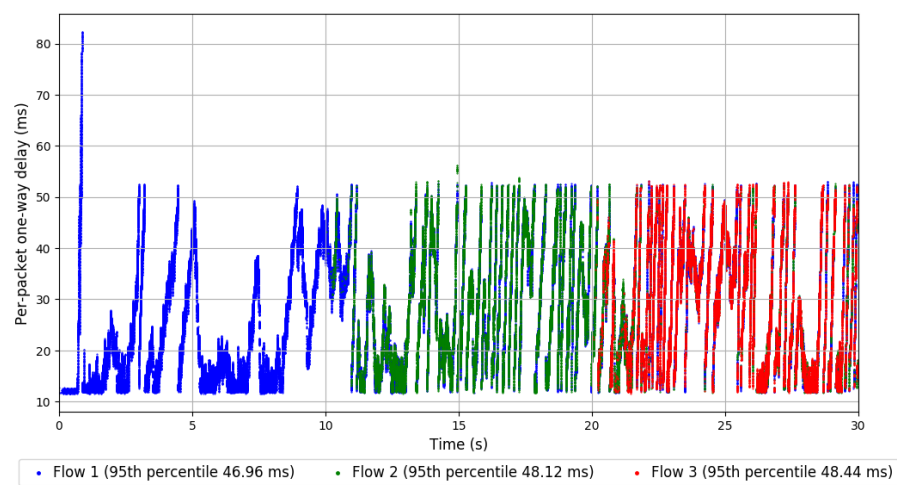
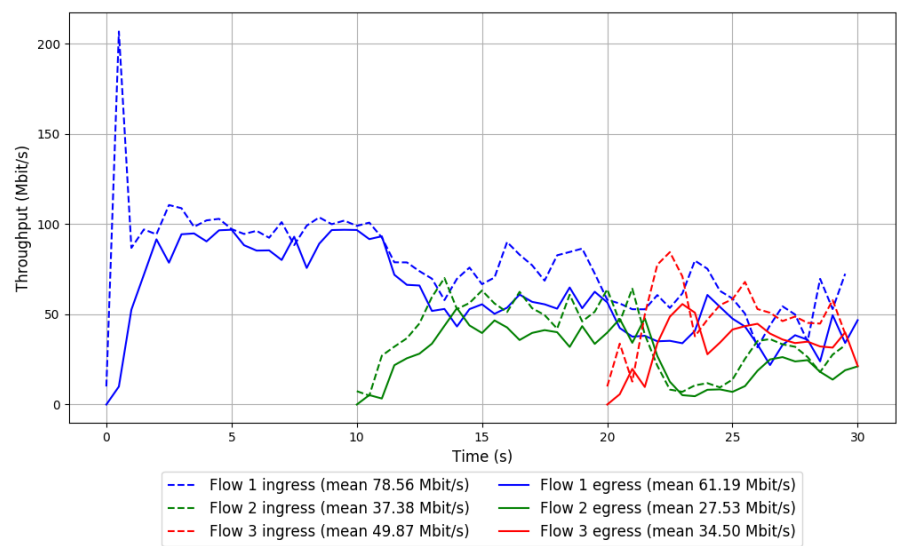


Run 7: Statistics of FillP

Start at: 2018-06-29 23:09:55
End at: 2018-06-29 23:10:25
Local clock offset: -1.58 ms
Remote clock offset: 2.712 ms

Below is generated by plot.py at 2018-06-30 00:21:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.94 Mbit/s
95th percentile per-packet one-way delay: 47.458 ms
Loss rate: 24.21%
-- Flow 1:
Average throughput: 61.19 Mbit/s
95th percentile per-packet one-way delay: 46.960 ms
Loss rate: 22.11%
-- Flow 2:
Average throughput: 27.53 Mbit/s
95th percentile per-packet one-way delay: 48.116 ms
Loss rate: 26.43%
-- Flow 3:
Average throughput: 34.50 Mbit/s
95th percentile per-packet one-way delay: 48.443 ms
Loss rate: 30.85%

Run 7: Report of FillP — Data Link

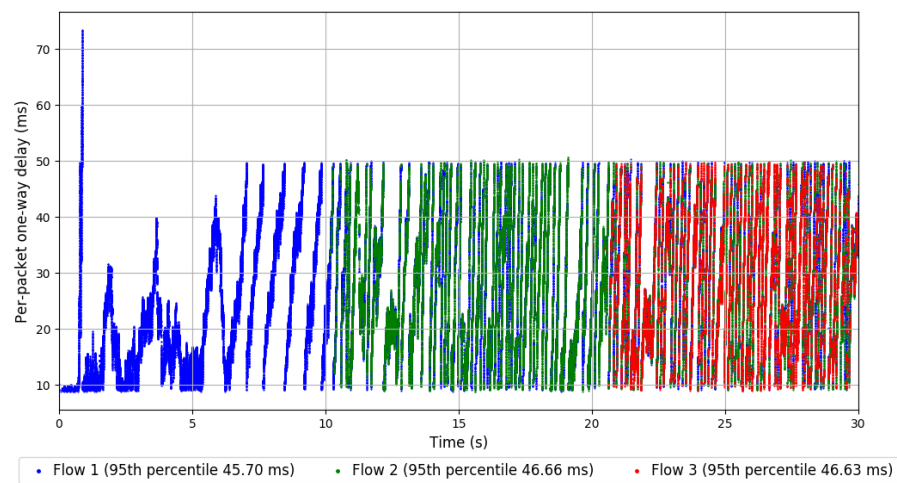
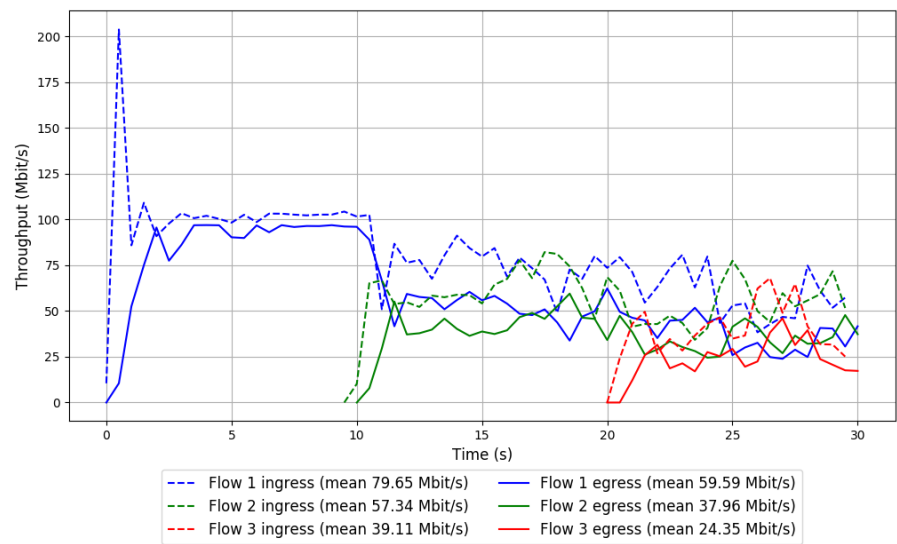


Run 8: Statistics of FillP

Start at: 2018-06-29 23:29:31
End at: 2018-06-29 23:30:01
Local clock offset: 2.626 ms
Remote clock offset: 1.368 ms

Below is generated by plot.py at 2018-06-30 00:21:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.96 Mbit/s
95th percentile per-packet one-way delay: 46.100 ms
Loss rate: 28.87%
-- Flow 1:
Average throughput: 59.59 Mbit/s
95th percentile per-packet one-way delay: 45.703 ms
Loss rate: 25.10%
-- Flow 2:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 46.665 ms
Loss rate: 33.71%
-- Flow 3:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 46.626 ms
Loss rate: 37.69%

Run 8: Report of FillP — Data Link

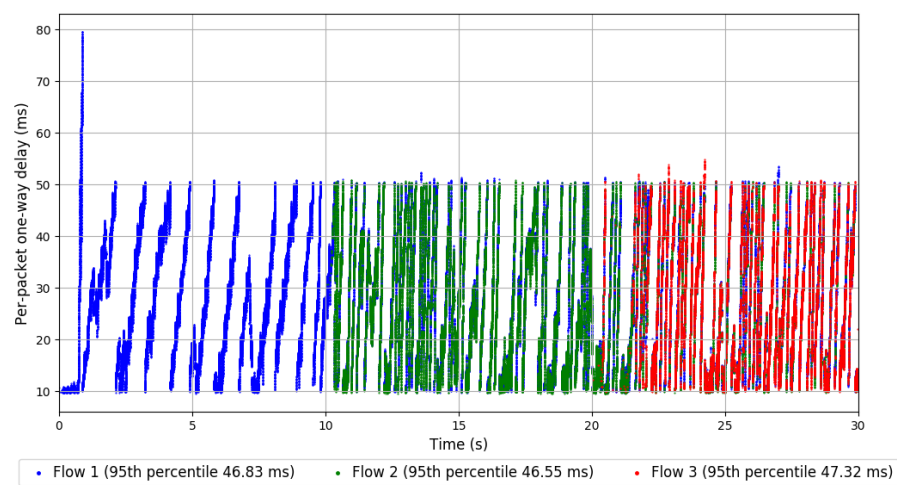
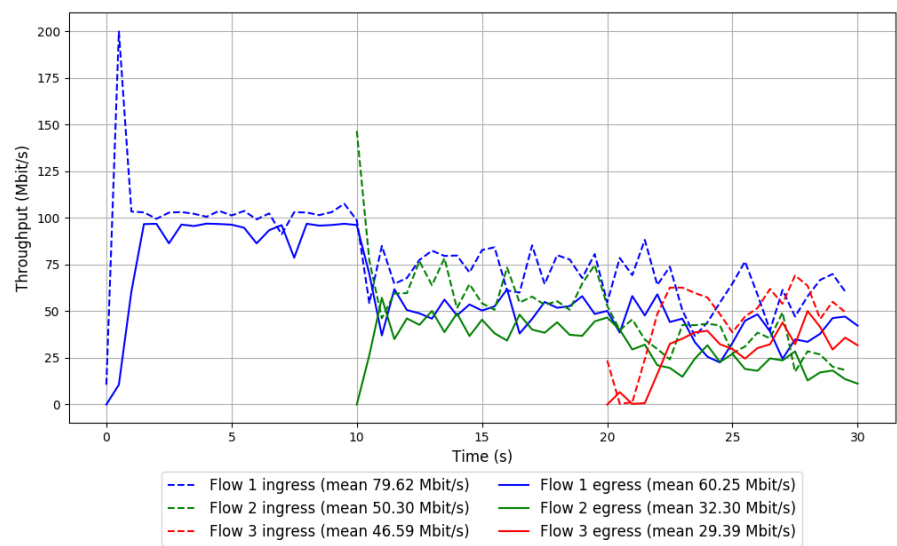


Run 9: Statistics of FillP

Start at: 2018-06-29 23:49:21
End at: 2018-06-29 23:49:51
Local clock offset: 1.579 ms
Remote clock offset: -3.438 ms

Below is generated by plot.py at 2018-06-30 00:21:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.46 Mbit/s
95th percentile per-packet one-way delay: 46.827 ms
Loss rate: 28.83%
-- Flow 1:
Average throughput: 60.25 Mbit/s
95th percentile per-packet one-way delay: 46.830 ms
Loss rate: 24.32%
-- Flow 2:
Average throughput: 32.30 Mbit/s
95th percentile per-packet one-way delay: 46.545 ms
Loss rate: 35.85%
-- Flow 3:
Average throughput: 29.39 Mbit/s
95th percentile per-packet one-way delay: 47.317 ms
Loss rate: 36.86%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-06-30 00:08:52

End at: 2018-06-30 00:09:22

Local clock offset: 1.938 ms

Remote clock offset: -6.09 ms

Below is generated by plot.py at 2018-06-30 00:21:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.56 Mbit/s

95th percentile per-packet one-way delay: 45.458 ms

Loss rate: 28.16%

-- Flow 1:

Average throughput: 52.12 Mbit/s

95th percentile per-packet one-way delay: 44.092 ms

Loss rate: 25.35%

-- Flow 2:

Average throughput: 37.22 Mbit/s

95th percentile per-packet one-way delay: 46.465 ms

Loss rate: 31.24%

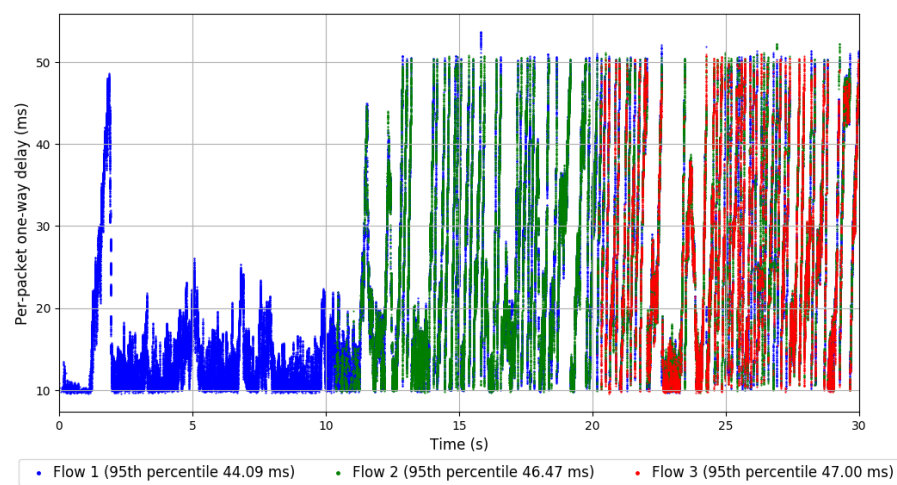
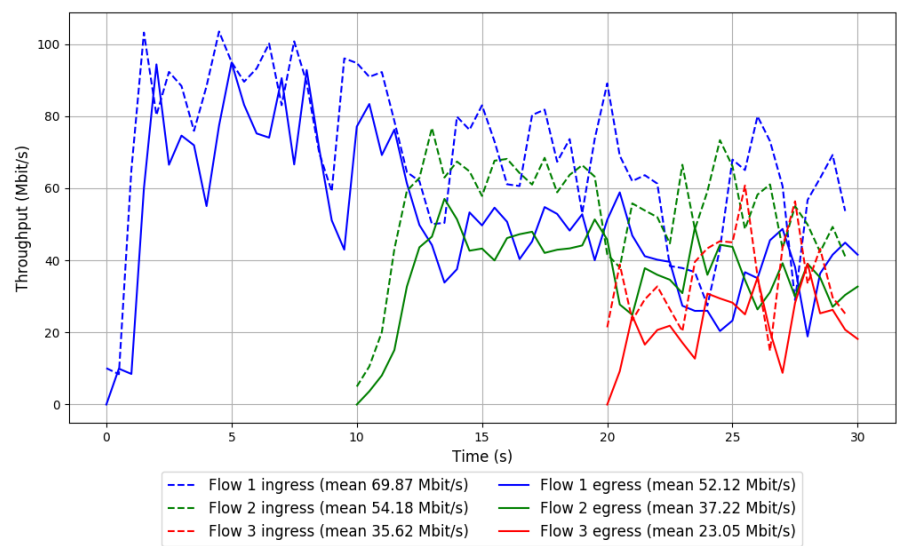
-- Flow 3:

Average throughput: 23.05 Mbit/s

95th percentile per-packet one-way delay: 47.000 ms

Loss rate: 35.31%

Run 10: Report of FillP — Data Link

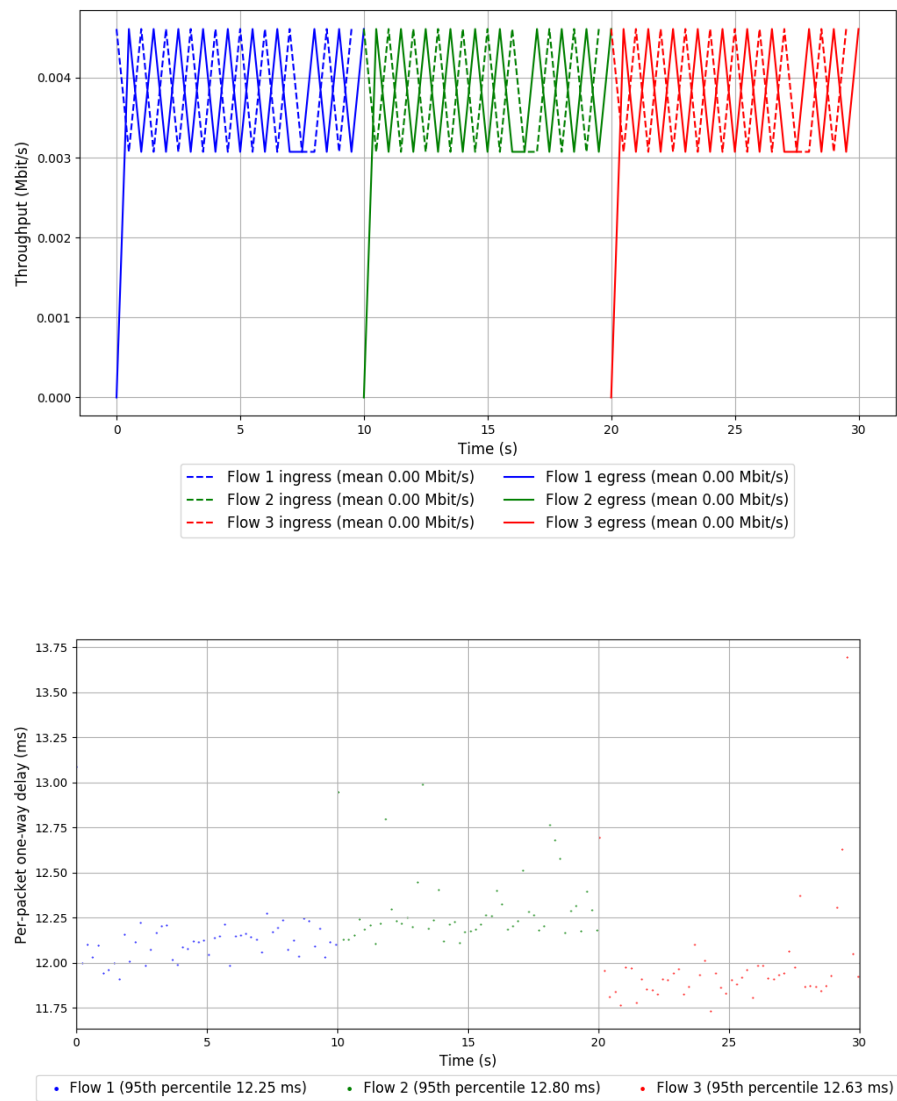


Run 1: Statistics of FillP-Sheep

Start at: 2018-06-29 20:58:41
End at: 2018-06-29 20:59:11
Local clock offset: -1.136 ms
Remote clock offset: -3.345 ms

Below is generated by plot.py at 2018-06-30 00:21:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 12.679 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 12.246 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 12.796 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 12.630 ms
Loss rate: 0.00%

Run 1: Report of FillP-Sheep — Data Link

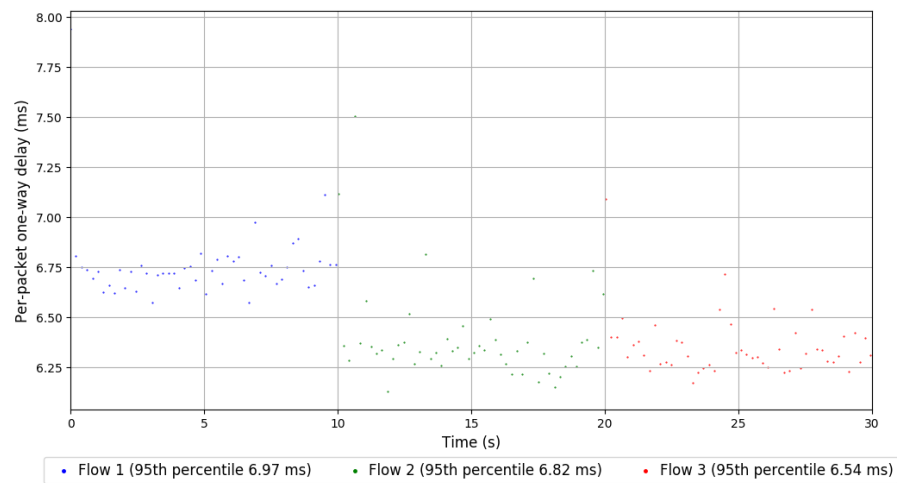
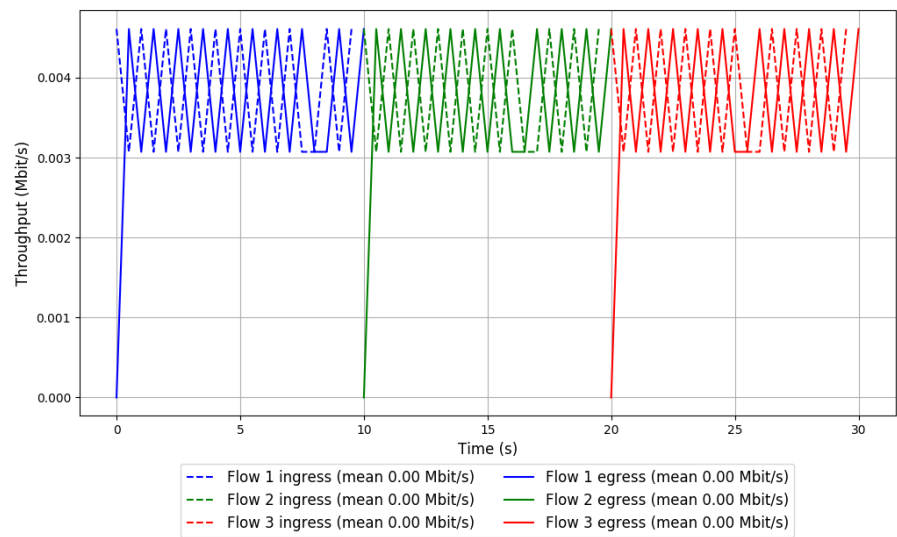


Run 2: Statistics of FillP-Sheep

Start at: 2018-06-29 21:18:14
End at: 2018-06-29 21:18:44
Local clock offset: 2.936 ms
Remote clock offset: -9.485 ms

Below is generated by plot.py at 2018-06-30 00:21:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 6.874 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 6.974 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 6.815 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 6.543 ms
Loss rate: 0.00%

Run 2: Report of FillP-Sheep — Data Link

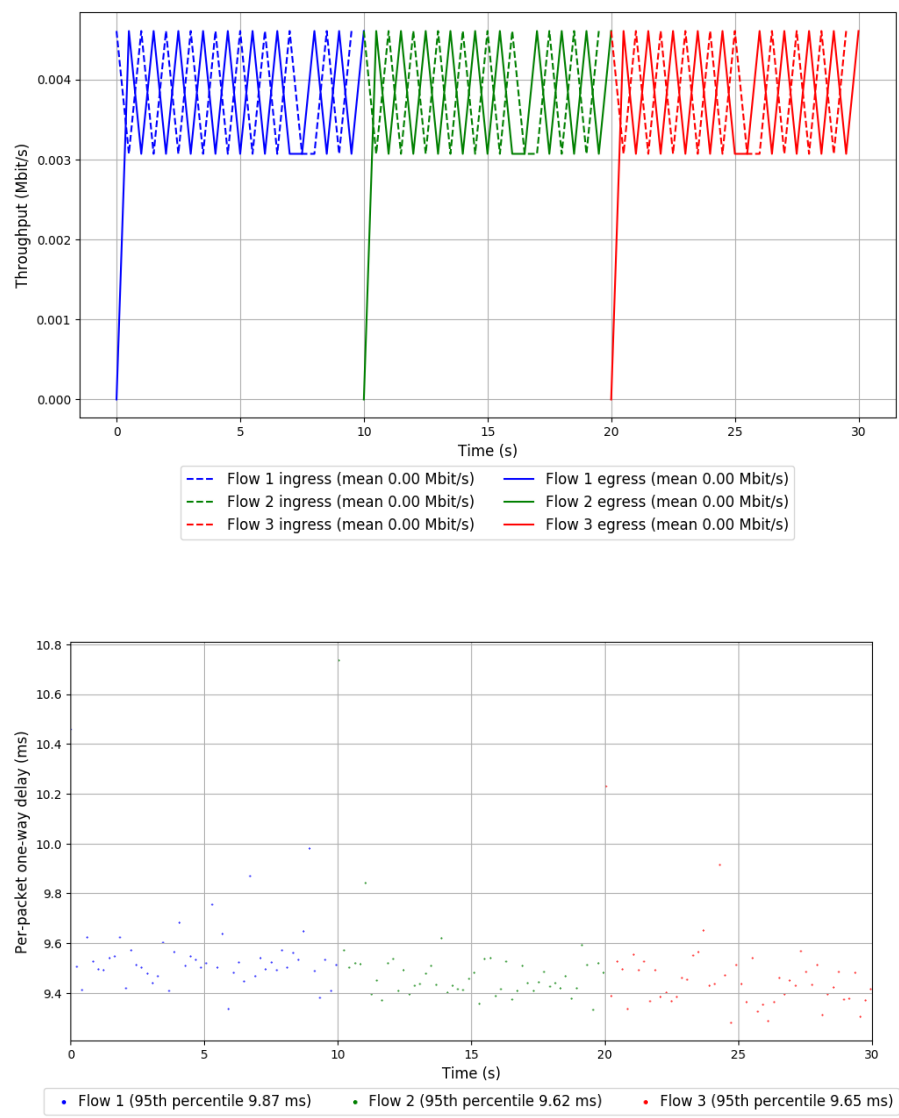


Run 3: Statistics of FillP-Sheep

Start at: 2018-06-29 21:37:39
End at: 2018-06-29 21:38:09
Local clock offset: -0.807 ms
Remote clock offset: -6.432 ms

Below is generated by plot.py at 2018-06-30 00:21:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 9.756 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 9.869 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 9.622 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 9.653 ms
Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link

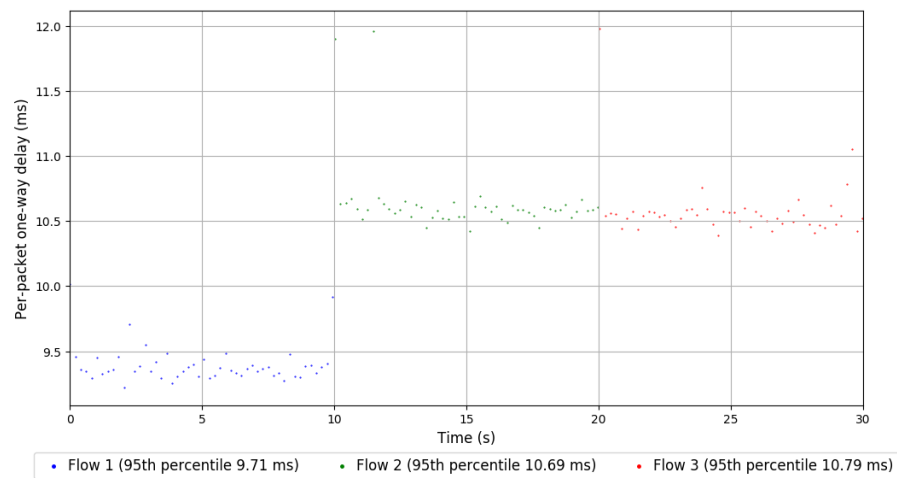
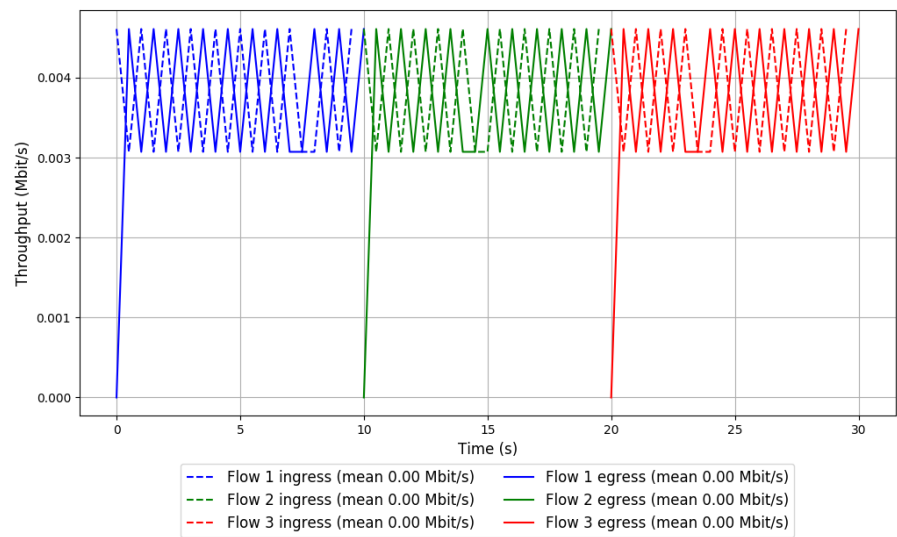


Run 4: Statistics of FillP-Sheep

Start at: 2018-06-29 21:57:23
End at: 2018-06-29 21:57:53
Local clock offset: 1.296 ms
Remote clock offset: -4.548 ms

Below is generated by plot.py at 2018-06-30 00:21:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 10.680 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 9.709 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 10.694 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 10.785 ms
Loss rate: 0.00%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-06-29 22:16:59

End at: 2018-06-29 22:17:29

Local clock offset: 1.519 ms

Remote clock offset: 5.197 ms

Below is generated by plot.py at 2018-06-30 00:21:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 9.889 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 9.985 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 9.785 ms

Loss rate: 0.00%

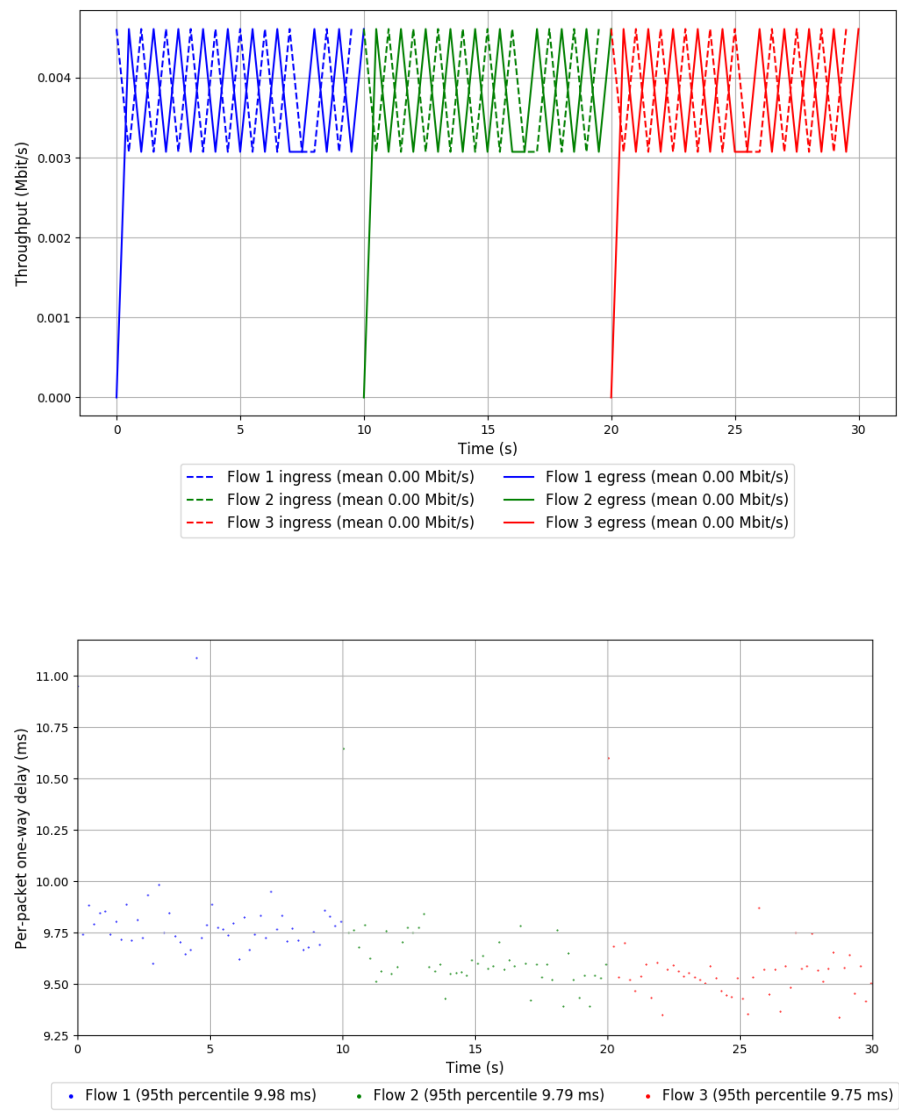
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 9.750 ms

Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-06-29 22:36:33

End at: 2018-06-29 22:37:03

Local clock offset: 1.55 ms

Remote clock offset: 7.569 ms

Below is generated by plot.py at 2018-06-30 00:21:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 10.687 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 10.663 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 10.582 ms

Loss rate: 0.00%

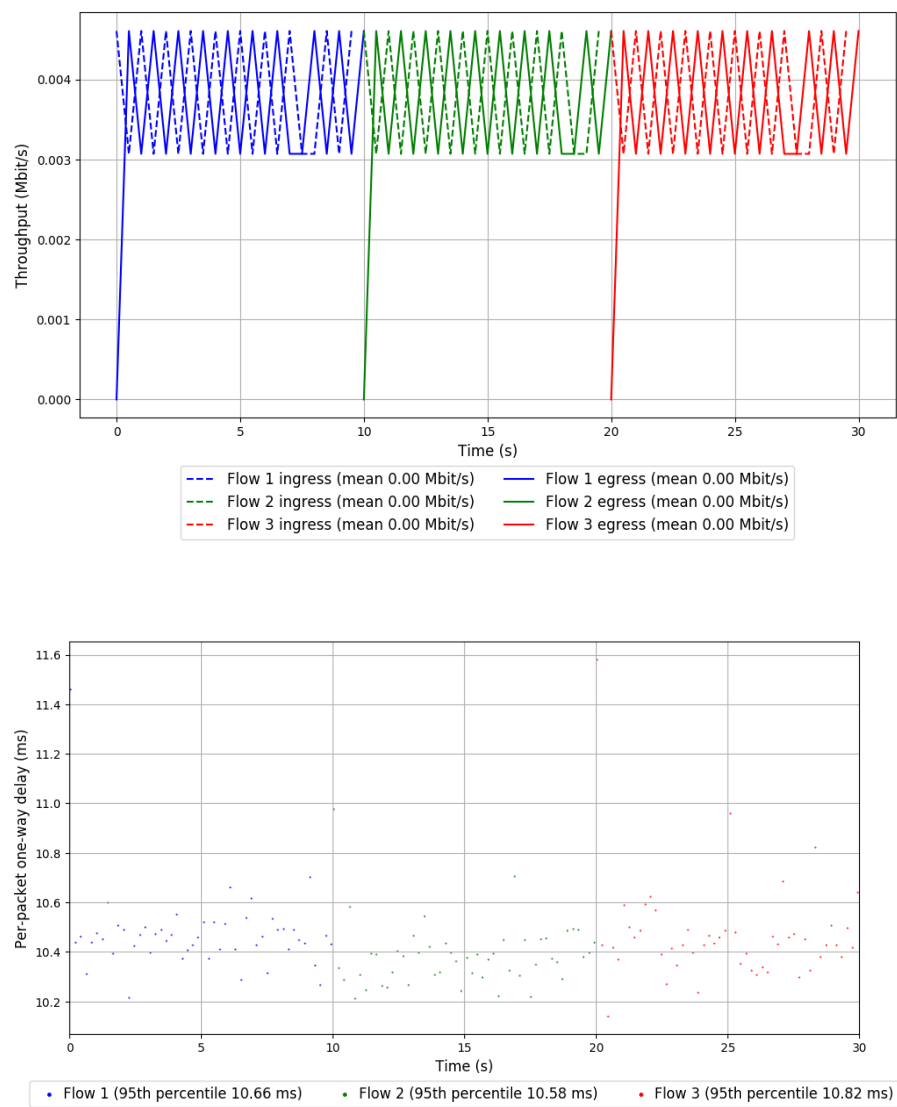
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 10.822 ms

Loss rate: 0.00%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-06-29 22:56:04

End at: 2018-06-29 22:56:34

Local clock offset: -0.536 ms

Remote clock offset: 3.621 ms

Below is generated by plot.py at 2018-06-30 00:21:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 11.249 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 11.507 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 11.207 ms

Loss rate: 0.00%

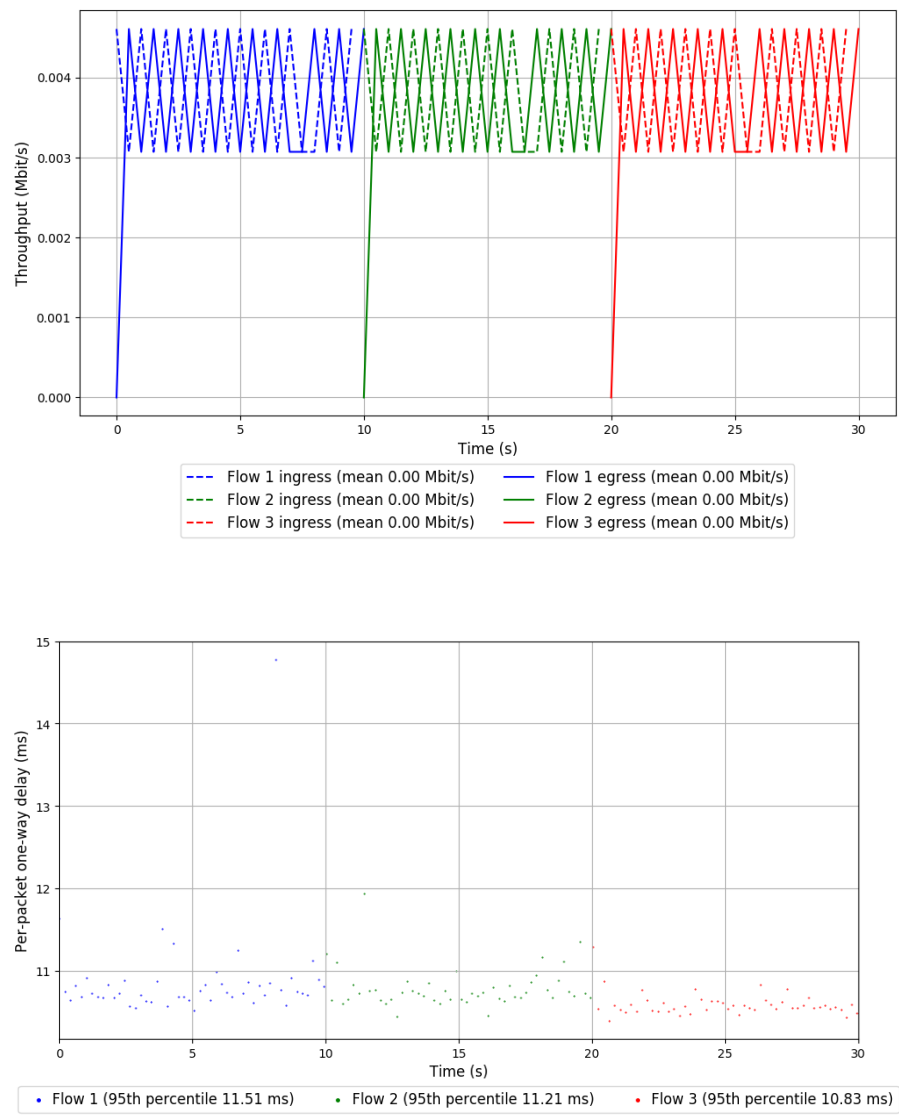
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 10.828 ms

Loss rate: 0.00%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-06-29 23:15:43

End at: 2018-06-29 23:16:13

Local clock offset: 2.009 ms

Remote clock offset: 2.377 ms

Below is generated by plot.py at 2018-06-30 00:21:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 9.188 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 9.064 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 9.091 ms

Loss rate: 0.00%

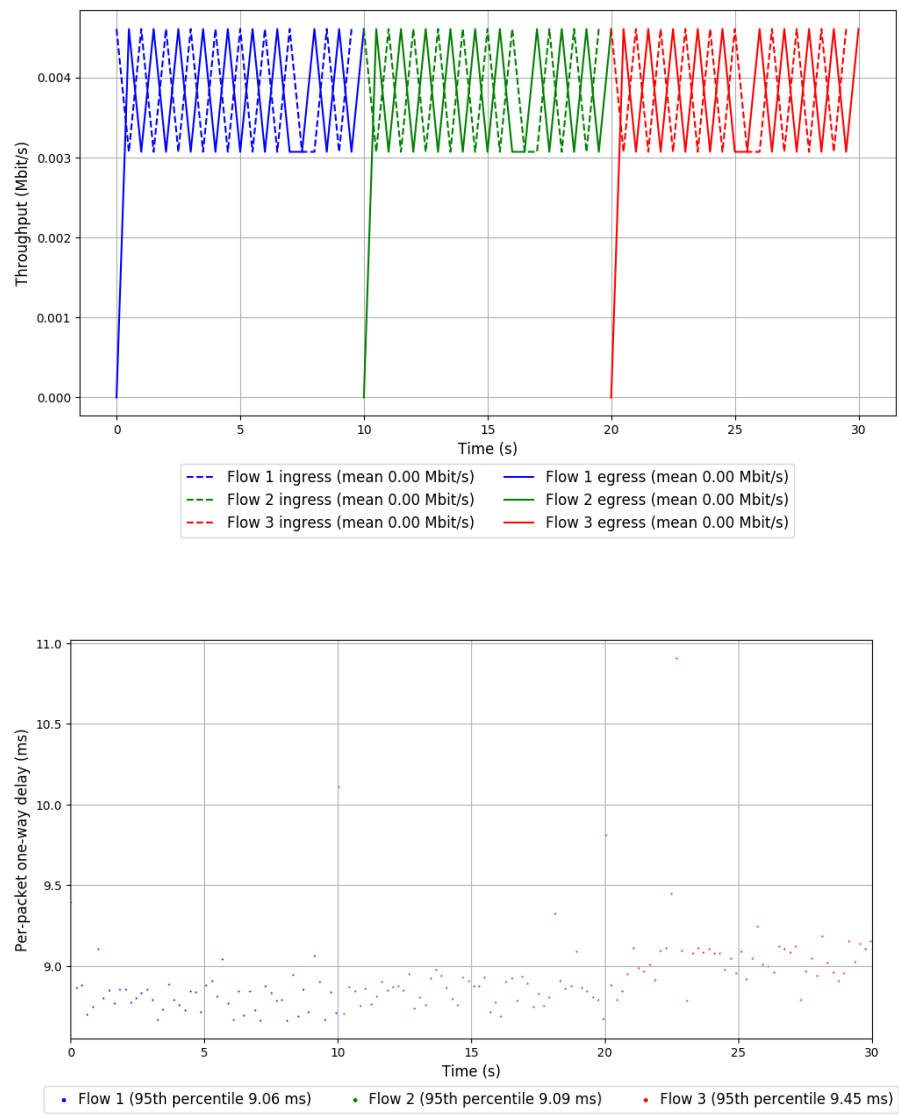
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 9.450 ms

Loss rate: 0.00%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-06-29 23:35:20

End at: 2018-06-29 23:35:50

Local clock offset: 0.964 ms

Remote clock offset: 0.662 ms

Below is generated by plot.py at 2018-06-30 00:21:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 10.636 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 10.556 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 10.636 ms

Loss rate: 0.00%

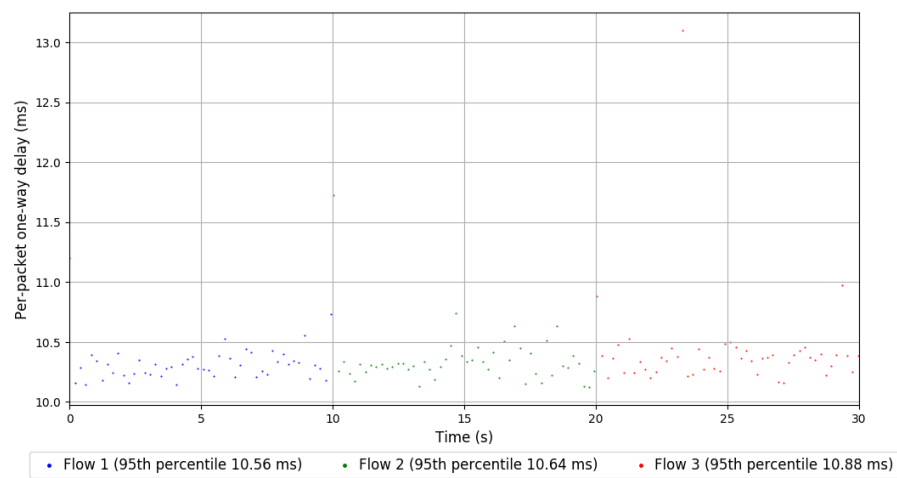
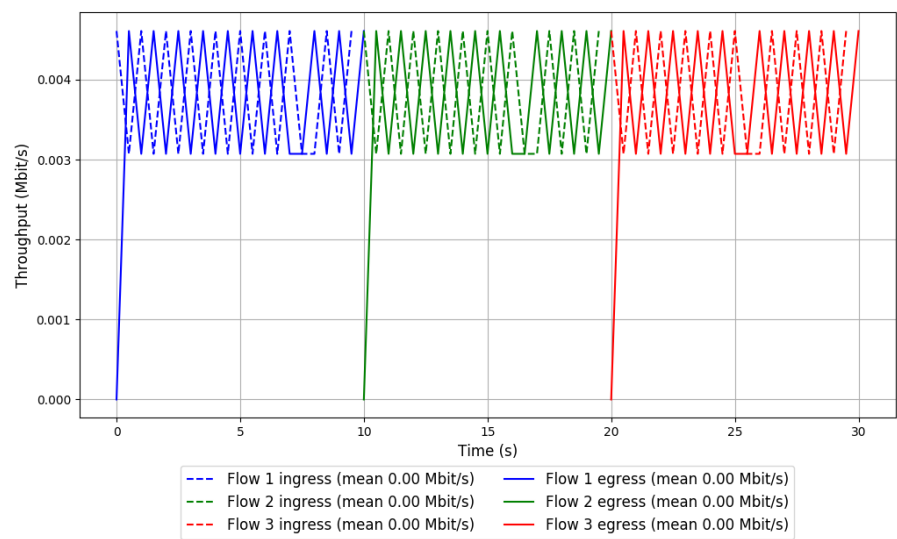
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 10.883 ms

Loss rate: 0.00%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-06-29 23:55:04

End at: 2018-06-29 23:55:34

Local clock offset: 1.468 ms

Remote clock offset: -4.7 ms

Below is generated by plot.py at 2018-06-30 00:21:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 10.390 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 10.457 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 10.390 ms

Loss rate: 0.00%

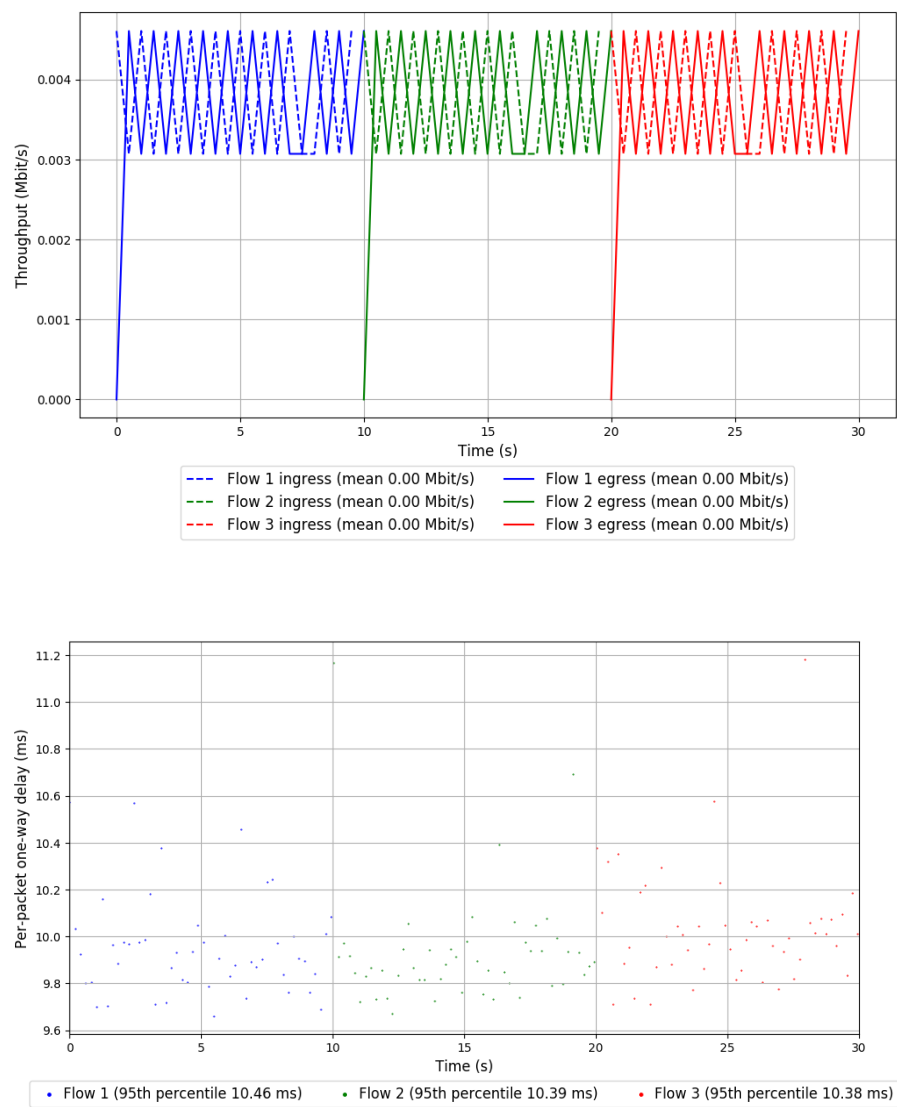
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 10.379 ms

Loss rate: 0.00%

Run 10: Report of FillP-Sheep — Data Link

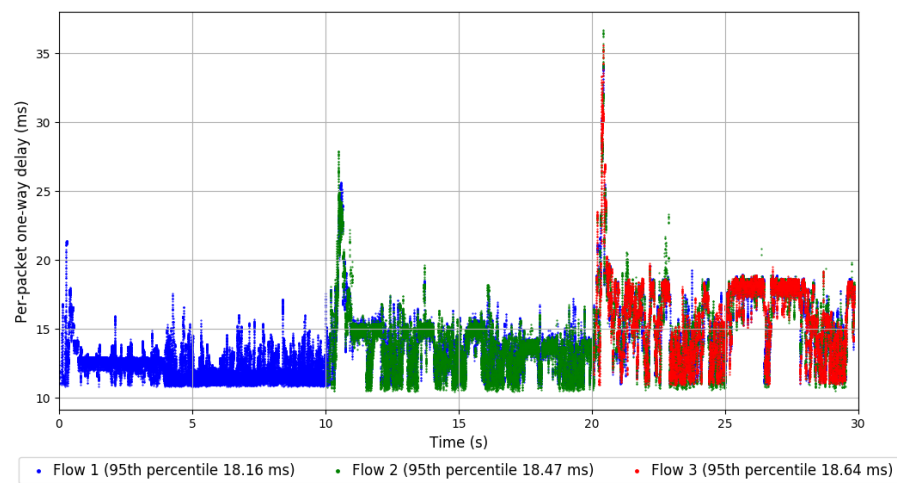
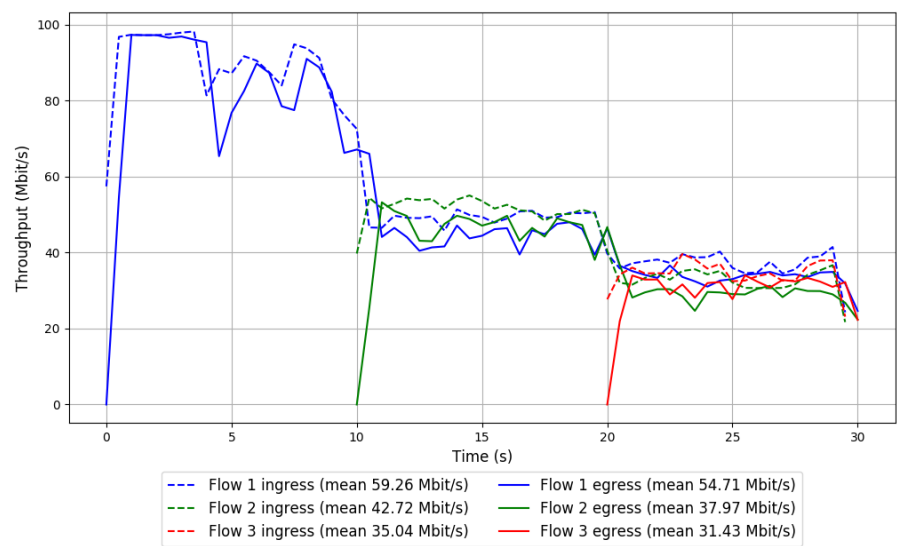


```
Run 1: Statistics of Indigo

Start at: 2018-06-29 21:06:40
End at: 2018-06-29 21:07:10
Local clock offset: 0.674 ms
Remote clock offset: -6.025 ms

# Below is generated by plot.py at 2018-06-30 00:21:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.22 Mbit/s
95th percentile per-packet one-way delay: 18.377 ms
Loss rate: 8.94%
-- Flow 1:
Average throughput: 54.71 Mbit/s
95th percentile per-packet one-way delay: 18.162 ms
Loss rate: 7.65%
-- Flow 2:
Average throughput: 37.97 Mbit/s
95th percentile per-packet one-way delay: 18.469 ms
Loss rate: 11.09%
-- Flow 3:
Average throughput: 31.43 Mbit/s
95th percentile per-packet one-way delay: 18.635 ms
Loss rate: 10.24%
```

Run 1: Report of Indigo — Data Link

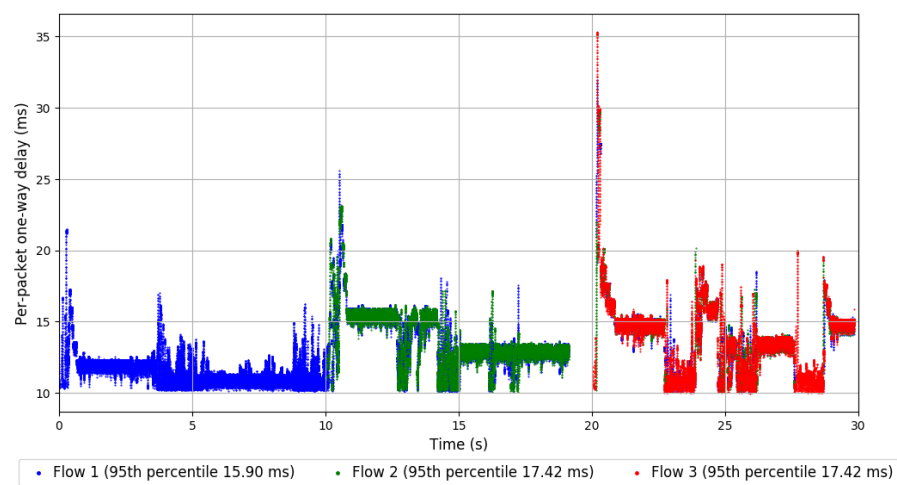
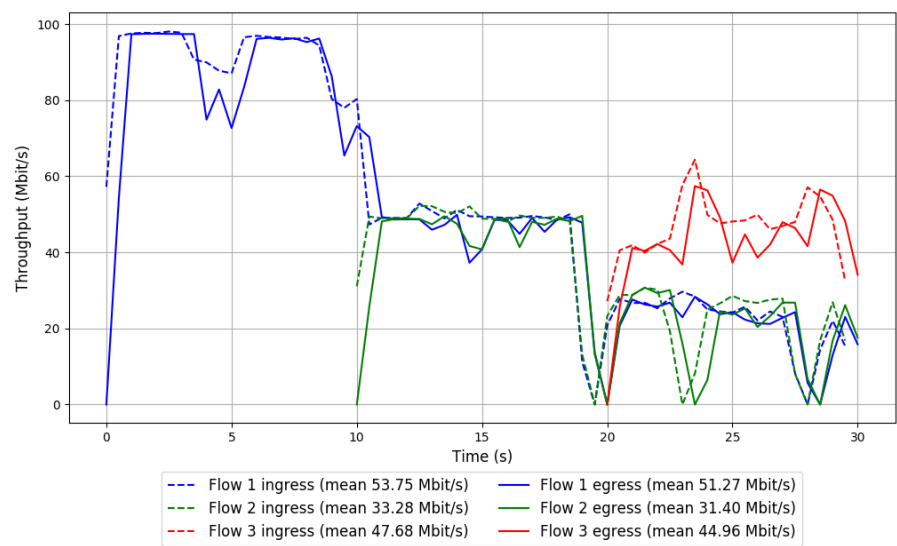


Run 2: Statistics of Indigo

Start at: 2018-06-29 21:26:11
End at: 2018-06-29 21:26:41
Local clock offset: 0.476 ms
Remote clock offset: -7.492 ms

Below is generated by plot.py at 2018-06-30 00:21:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.86 Mbit/s
95th percentile per-packet one-way delay: 16.422 ms
Loss rate: 5.03%
-- Flow 1:
Average throughput: 51.27 Mbit/s
95th percentile per-packet one-way delay: 15.902 ms
Loss rate: 4.59%
-- Flow 2:
Average throughput: 31.40 Mbit/s
95th percentile per-packet one-way delay: 17.420 ms
Loss rate: 5.65%
-- Flow 3:
Average throughput: 44.96 Mbit/s
95th percentile per-packet one-way delay: 17.423 ms
Loss rate: 5.66%

Run 2: Report of Indigo — Data Link

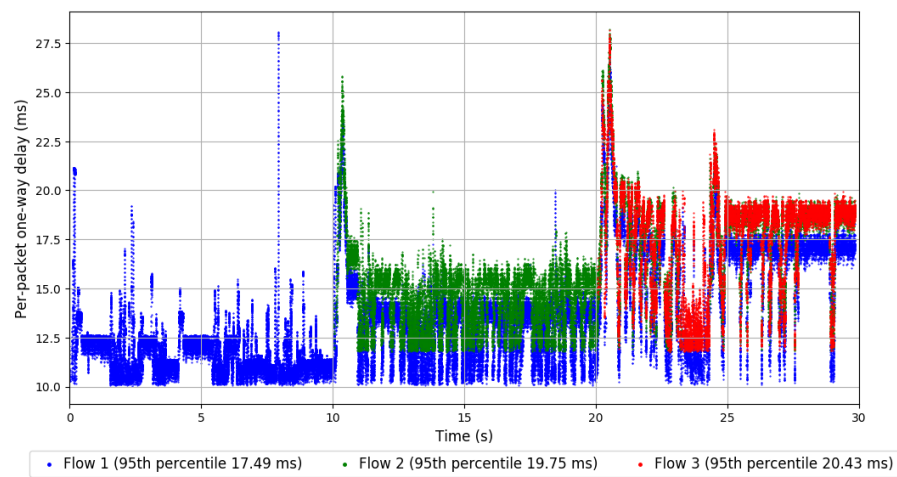
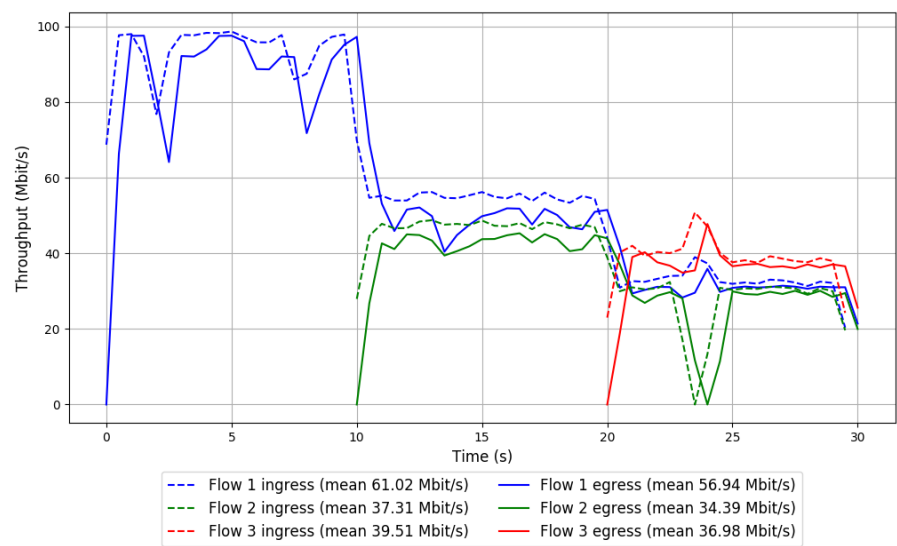


Run 3: Statistics of Indigo

Start at: 2018-06-29 21:45:41
End at: 2018-06-29 21:46:11
Local clock offset: -1.628 ms
Remote clock offset: -5.536 ms

Below is generated by plot.py at 2018-06-30 00:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.86 Mbit/s
95th percentile per-packet one-way delay: 19.210 ms
Loss rate: 6.92%
-- Flow 1:
Average throughput: 56.94 Mbit/s
95th percentile per-packet one-way delay: 17.486 ms
Loss rate: 6.68%
-- Flow 2:
Average throughput: 34.39 Mbit/s
95th percentile per-packet one-way delay: 19.748 ms
Loss rate: 7.78%
-- Flow 3:
Average throughput: 36.98 Mbit/s
95th percentile per-packet one-way delay: 20.430 ms
Loss rate: 6.41%

Run 3: Report of Indigo — Data Link

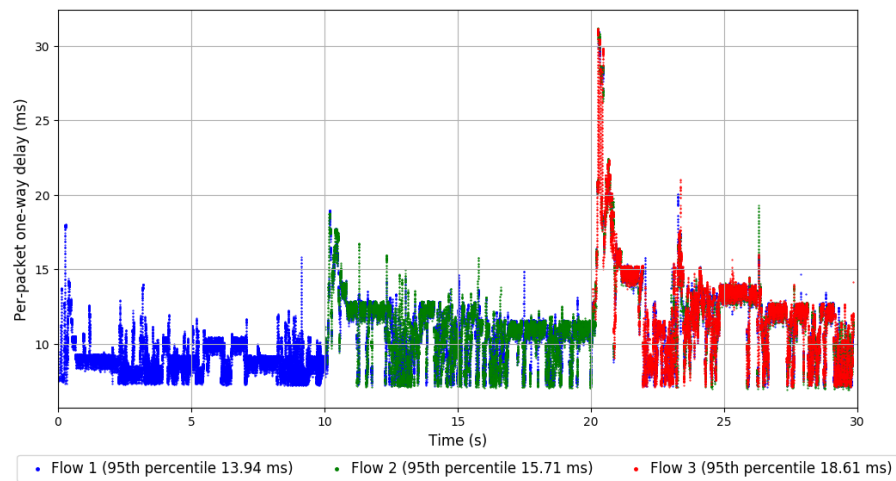
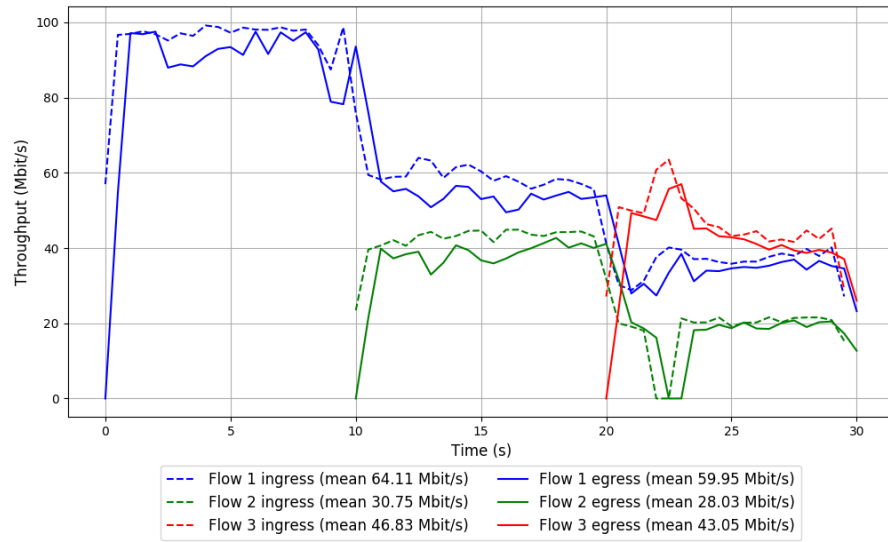


Run 4: Statistics of Indigo

Start at: 2018-06-29 22:05:29
End at: 2018-06-29 22:05:59
Local clock offset: 2.445 ms
Remote clock offset: -0.395 ms

Below is generated by plot.py at 2018-06-30 00:22:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.63 Mbit/s
95th percentile per-packet one-way delay: 14.976 ms
Loss rate: 7.21%
-- Flow 1:
Average throughput: 59.95 Mbit/s
95th percentile per-packet one-way delay: 13.935 ms
Loss rate: 6.49%
-- Flow 2:
Average throughput: 28.03 Mbit/s
95th percentile per-packet one-way delay: 15.705 ms
Loss rate: 8.85%
-- Flow 3:
Average throughput: 43.05 Mbit/s
95th percentile per-packet one-way delay: 18.613 ms
Loss rate: 8.06%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-06-29 22:24:58

End at: 2018-06-29 22:25:28

Local clock offset: -0.004 ms

Remote clock offset: 6.702 ms

Below is generated by plot.py at 2018-06-30 00:22:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.92 Mbit/s

95th percentile per-packet one-way delay: 17.955 ms

Loss rate: 10.09%

-- Flow 1:

Average throughput: 50.89 Mbit/s

95th percentile per-packet one-way delay: 16.937 ms

Loss rate: 8.86%

-- Flow 2:

Average throughput: 30.15 Mbit/s

95th percentile per-packet one-way delay: 18.590 ms

Loss rate: 10.91%

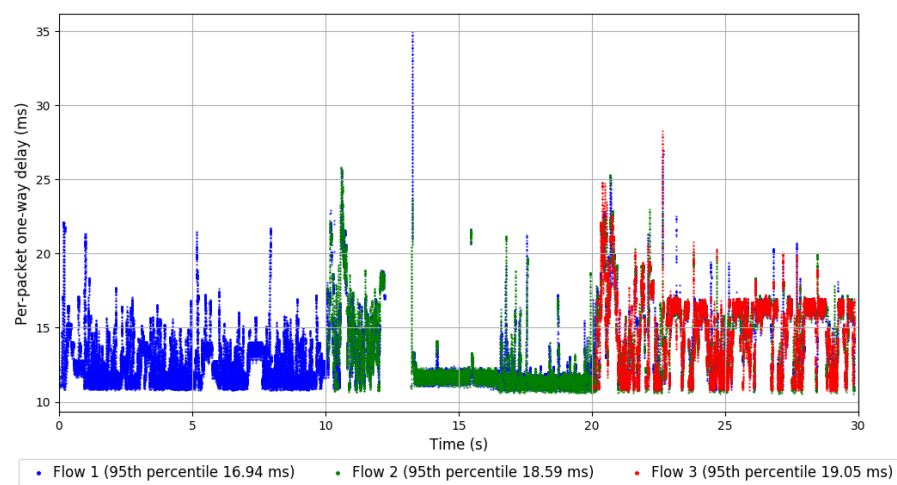
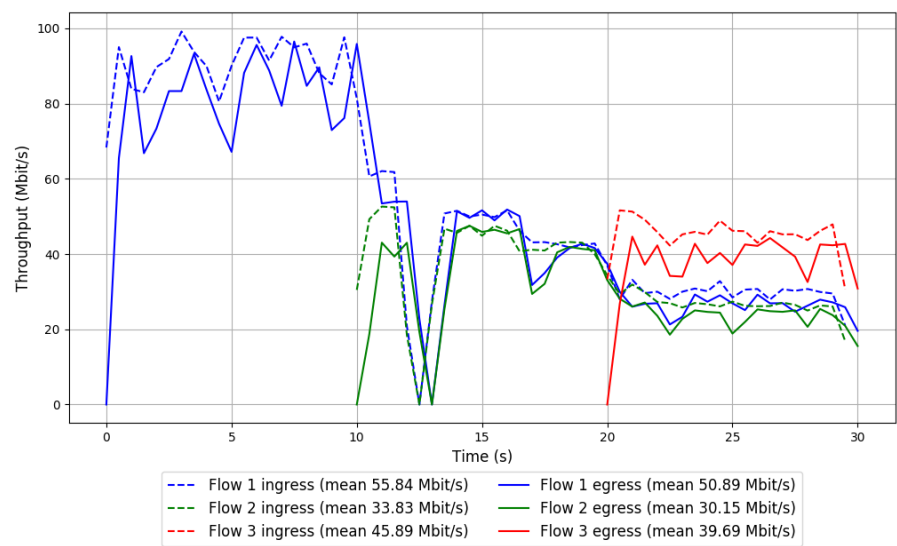
-- Flow 3:

Average throughput: 39.69 Mbit/s

95th percentile per-packet one-way delay: 19.047 ms

Loss rate: 13.46%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-29 22:44:32

End at: 2018-06-29 22:45:02

Local clock offset: 0.07 ms

Remote clock offset: 4.222 ms

Below is generated by plot.py at 2018-06-30 00:22:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.16 Mbit/s

95th percentile per-packet one-way delay: 18.021 ms

Loss rate: 12.94%

-- Flow 1:

Average throughput: 48.51 Mbit/s

95th percentile per-packet one-way delay: 17.703 ms

Loss rate: 12.06%

-- Flow 2:

Average throughput: 37.20 Mbit/s

95th percentile per-packet one-way delay: 18.267 ms

Loss rate: 14.11%

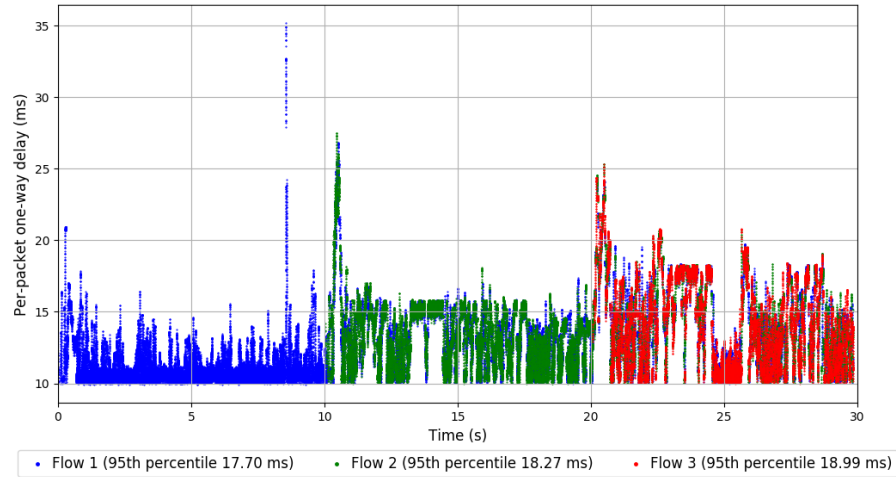
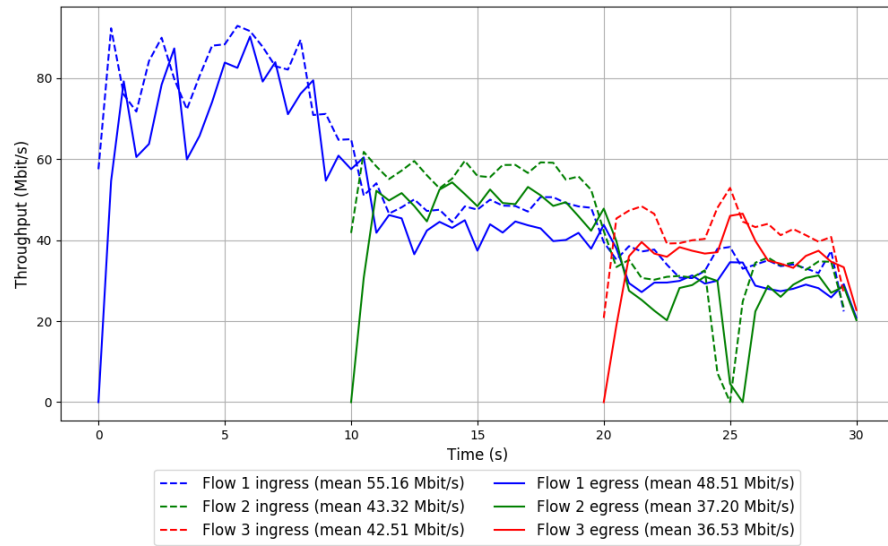
-- Flow 3:

Average throughput: 36.53 Mbit/s

95th percentile per-packet one-way delay: 18.988 ms

Loss rate: 14.04%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-29 23:03:58

End at: 2018-06-29 23:04:28

Local clock offset: 1.166 ms

Remote clock offset: 5.169 ms

Below is generated by plot.py at 2018-06-30 00:22:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.59 Mbit/s

95th percentile per-packet one-way delay: 18.173 ms

Loss rate: 9.06%

-- Flow 1:

Average throughput: 50.88 Mbit/s

95th percentile per-packet one-way delay: 17.104 ms

Loss rate: 8.58%

-- Flow 2:

Average throughput: 39.27 Mbit/s

95th percentile per-packet one-way delay: 18.533 ms

Loss rate: 9.65%

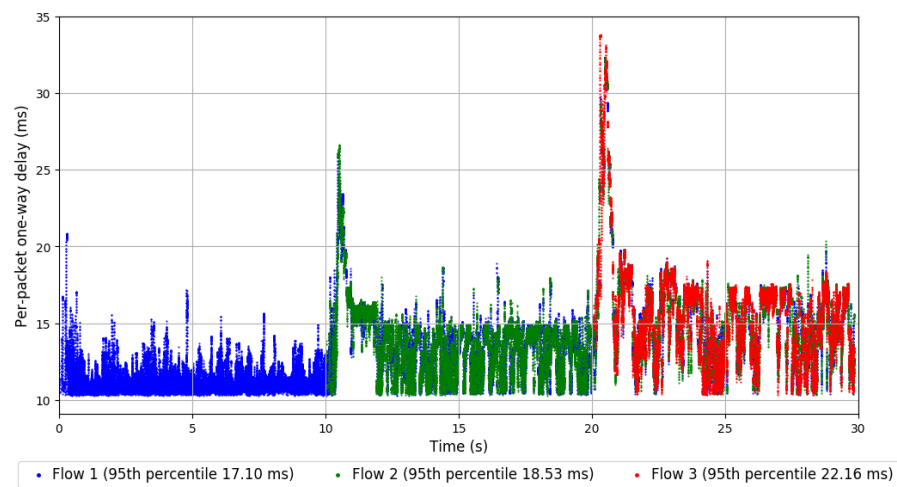
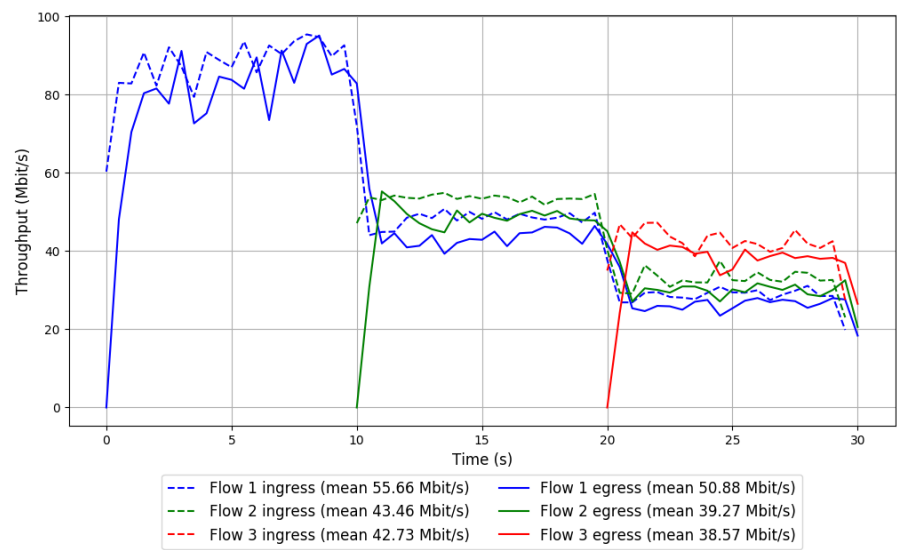
-- Flow 3:

Average throughput: 38.57 Mbit/s

95th percentile per-packet one-way delay: 22.163 ms

Loss rate: 9.77%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-29 23:23:37

End at: 2018-06-29 23:24:08

Local clock offset: -0.652 ms

Remote clock offset: 0.391 ms

Below is generated by plot.py at 2018-06-30 00:23:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.28 Mbit/s

95th percentile per-packet one-way delay: 19.112 ms

Loss rate: 8.14%

-- Flow 1:

Average throughput: 52.25 Mbit/s

95th percentile per-packet one-way delay: 18.716 ms

Loss rate: 7.48%

-- Flow 2:

Average throughput: 36.82 Mbit/s

95th percentile per-packet one-way delay: 19.801 ms

Loss rate: 8.45%

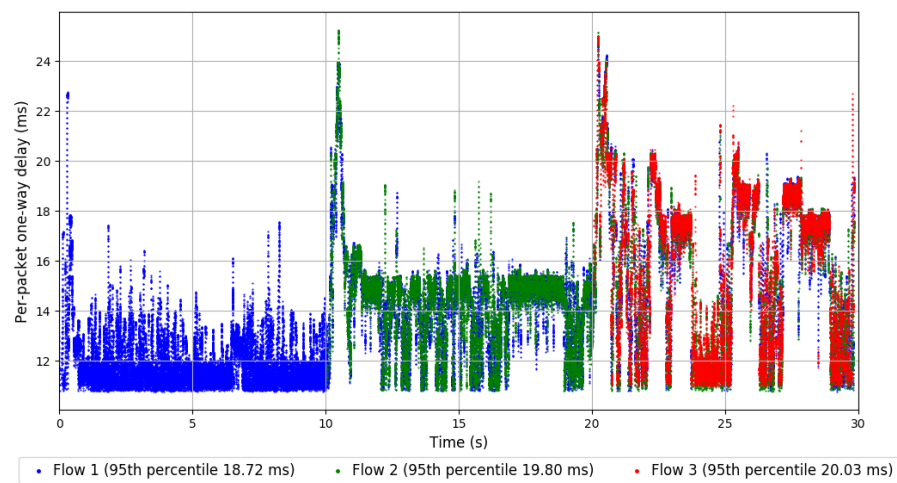
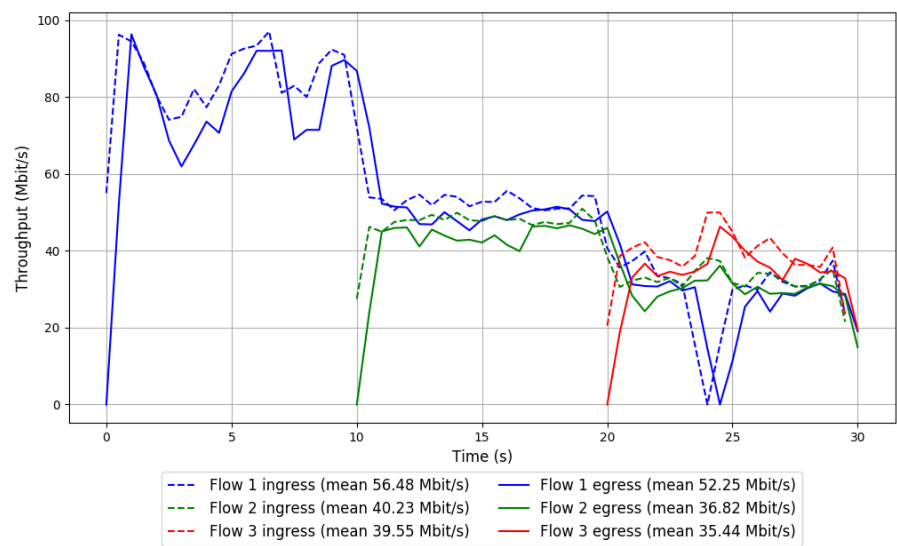
-- Flow 3:

Average throughput: 35.44 Mbit/s

95th percentile per-packet one-way delay: 20.028 ms

Loss rate: 10.36%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-29 23:43:23

End at: 2018-06-29 23:43:53

Local clock offset: 2.991 ms

Remote clock offset: -0.26 ms

Below is generated by plot.py at 2018-06-30 00:23:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.85 Mbit/s

95th percentile per-packet one-way delay: 17.584 ms

Loss rate: 4.59%

-- Flow 1:

Average throughput: 57.17 Mbit/s

95th percentile per-packet one-way delay: 17.321 ms

Loss rate: 4.37%

-- Flow 2:

Average throughput: 33.21 Mbit/s

95th percentile per-packet one-way delay: 18.571 ms

Loss rate: 5.20%

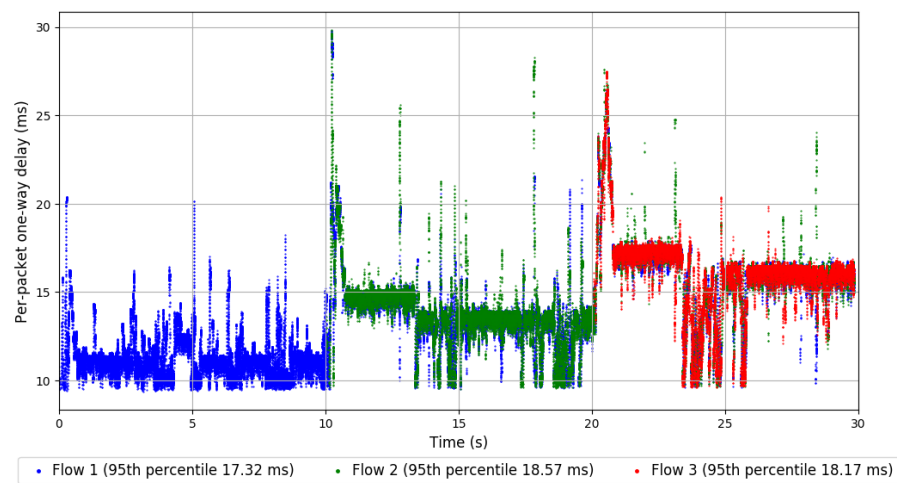
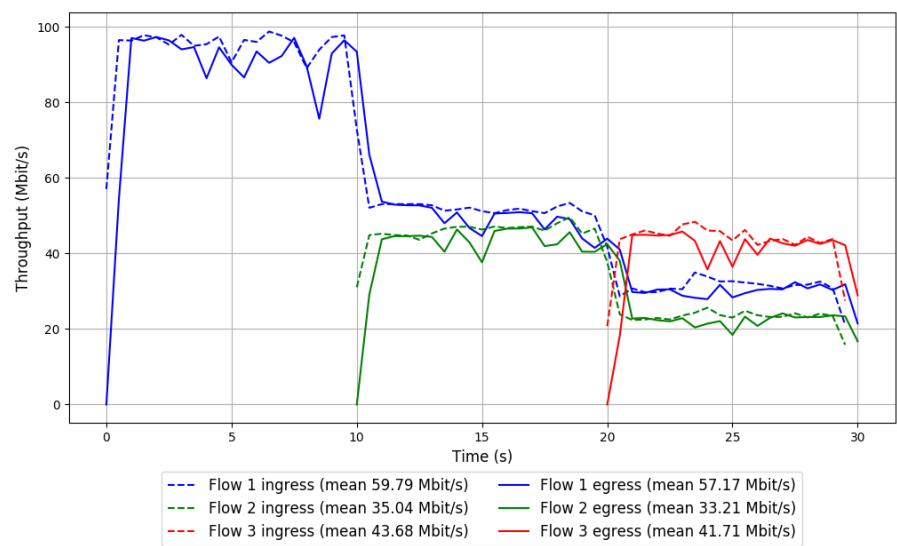
-- Flow 3:

Average throughput: 41.71 Mbit/s

95th percentile per-packet one-way delay: 18.167 ms

Loss rate: 4.49%

Run 9: Report of Indigo — Data Link

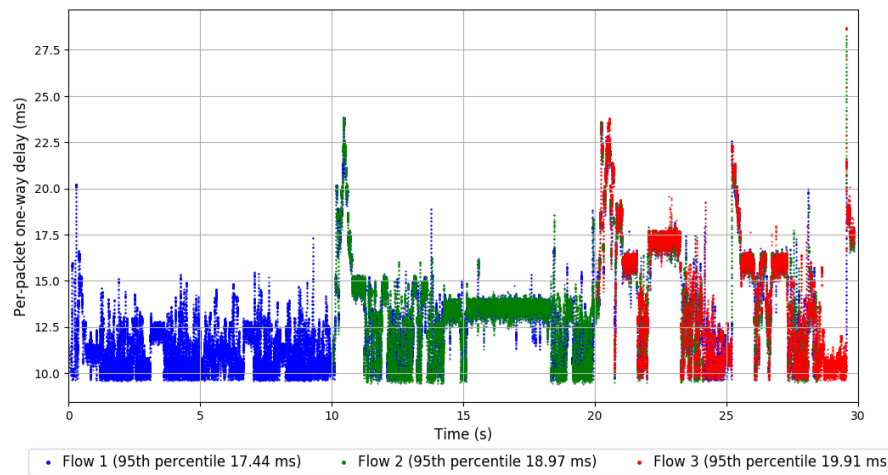
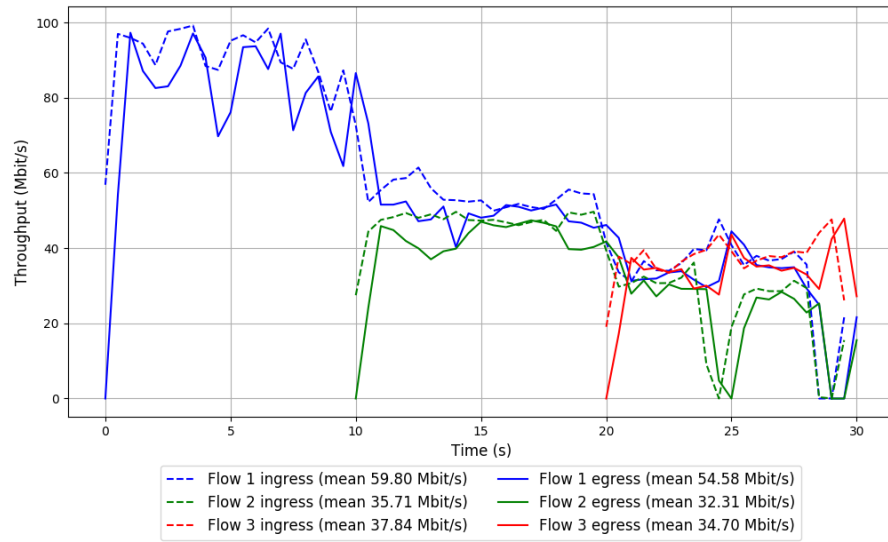


Run 10: Statistics of Indigo

Start at: 2018-06-30 00:03:03
End at: 2018-06-30 00:03:33
Local clock offset: 1.593 ms
Remote clock offset: -6.061 ms

Below is generated by plot.py at 2018-06-30 00:23:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.39 Mbit/s
95th percentile per-packet one-way delay: 18.540 ms
Loss rate: 8.85%
-- Flow 1:
Average throughput: 54.58 Mbit/s
95th percentile per-packet one-way delay: 17.436 ms
Loss rate: 8.72%
-- Flow 2:
Average throughput: 32.31 Mbit/s
95th percentile per-packet one-way delay: 18.969 ms
Loss rate: 9.49%
-- Flow 3:
Average throughput: 34.70 Mbit/s
95th percentile per-packet one-way delay: 19.909 ms
Loss rate: 8.27%

Run 10: Report of Indigo — Data Link

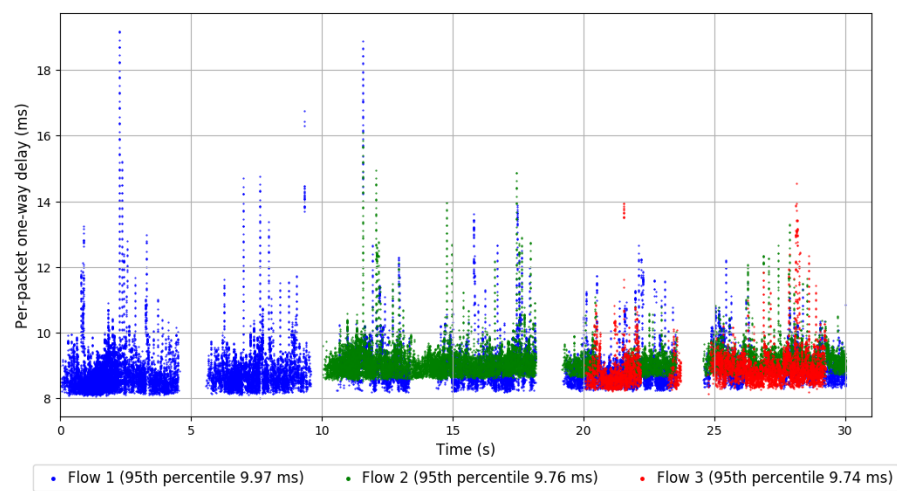
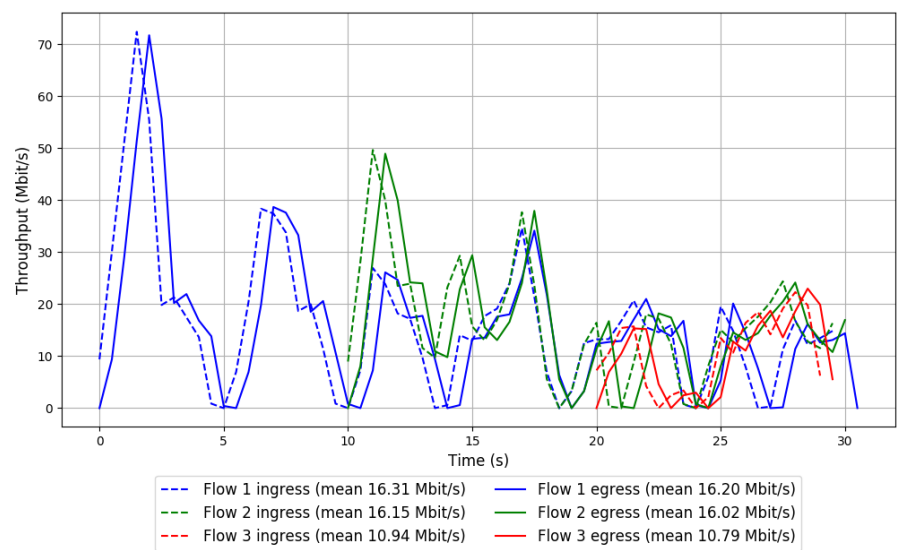


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-29 20:59:46
End at: 2018-06-29 21:00:16
Local clock offset: 2.496 ms
Remote clock offset: -3.89 ms

# Below is generated by plot.py at 2018-06-30 00:23:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.19 Mbit/s
95th percentile per-packet one-way delay: 9.879 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 16.20 Mbit/s
95th percentile per-packet one-way delay: 9.967 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 16.02 Mbit/s
95th percentile per-packet one-way delay: 9.760 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 10.79 Mbit/s
95th percentile per-packet one-way delay: 9.740 ms
Loss rate: 1.32%
```

Run 1: Report of LEDBAT — Data Link

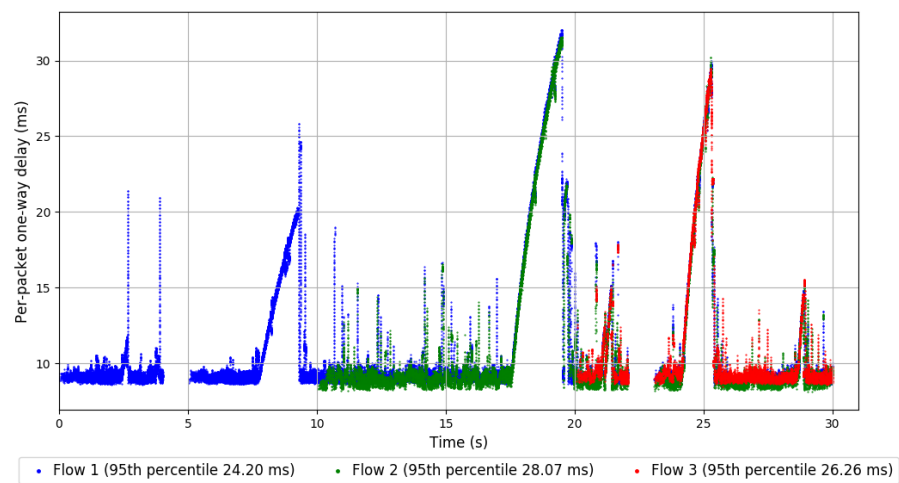
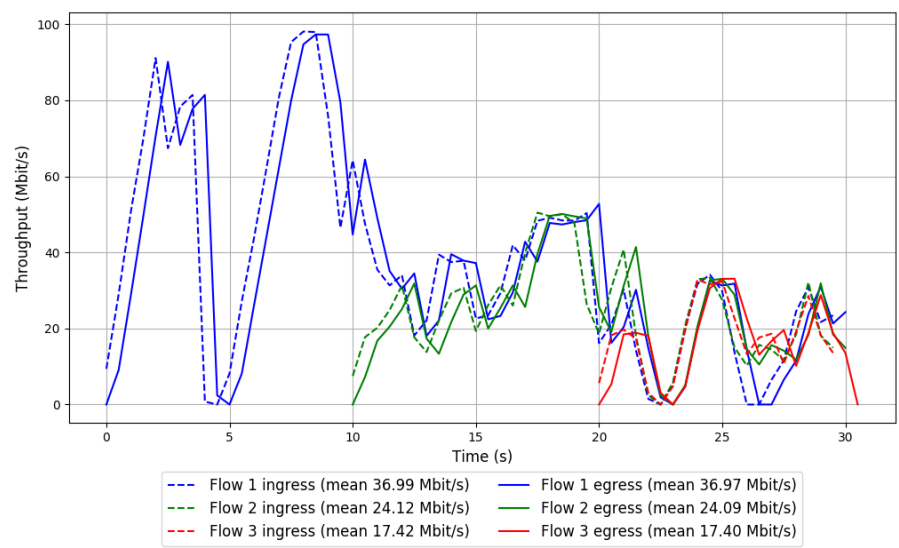


```
Run 2: Statistics of LEDBAT

Start at: 2018-06-29 21:19:18
End at: 2018-06-29 21:19:48
Local clock offset: 1.965 ms
Remote clock offset: -8.553 ms

# Below is generated by plot.py at 2018-06-30 00:23:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.78 Mbit/s
95th percentile per-packet one-way delay: 26.271 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 36.97 Mbit/s
95th percentile per-packet one-way delay: 24.199 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 24.09 Mbit/s
95th percentile per-packet one-way delay: 28.074 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 17.40 Mbit/s
95th percentile per-packet one-way delay: 26.259 ms
Loss rate: 0.15%
```

Run 2: Report of LEDBAT — Data Link

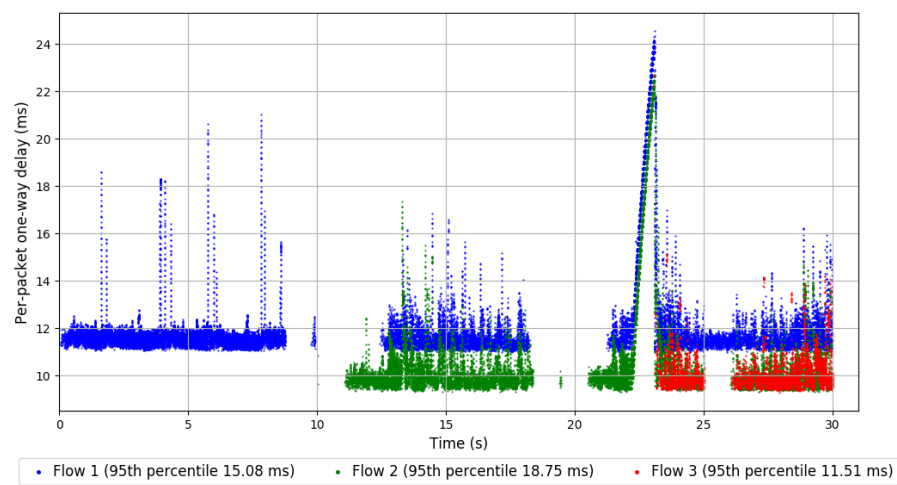
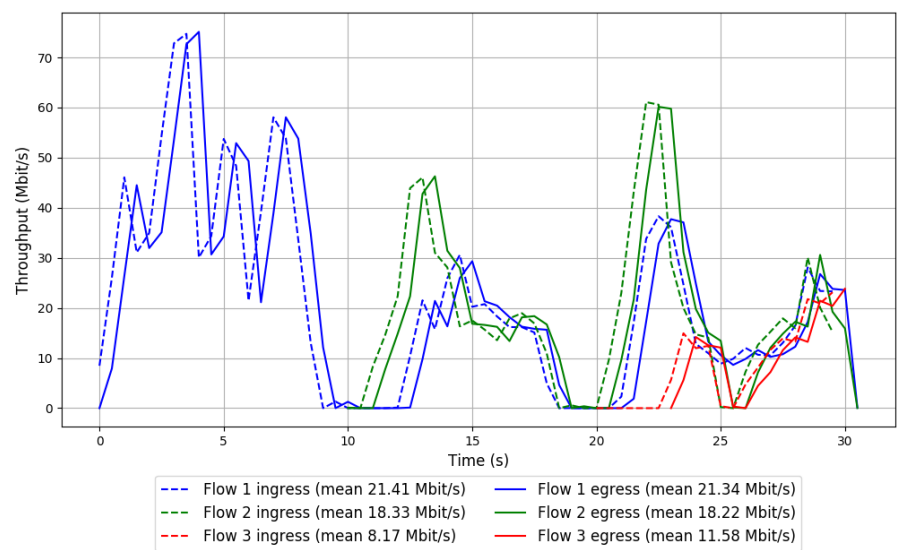


Run 3: Statistics of LEDBAT

Start at: 2018-06-29 21:38:44
End at: 2018-06-29 21:39:14
Local clock offset: -0.267 ms
Remote clock offset: -5.397 ms

Below is generated by plot.py at 2018-06-30 00:23:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.16 Mbit/s
95th percentile per-packet one-way delay: 16.519 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 21.34 Mbit/s
95th percentile per-packet one-way delay: 15.080 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 18.22 Mbit/s
95th percentile per-packet one-way delay: 18.748 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 11.58 Mbit/s
95th percentile per-packet one-way delay: 11.505 ms
Loss rate: 1.15%

Run 3: Report of LEDBAT — Data Link

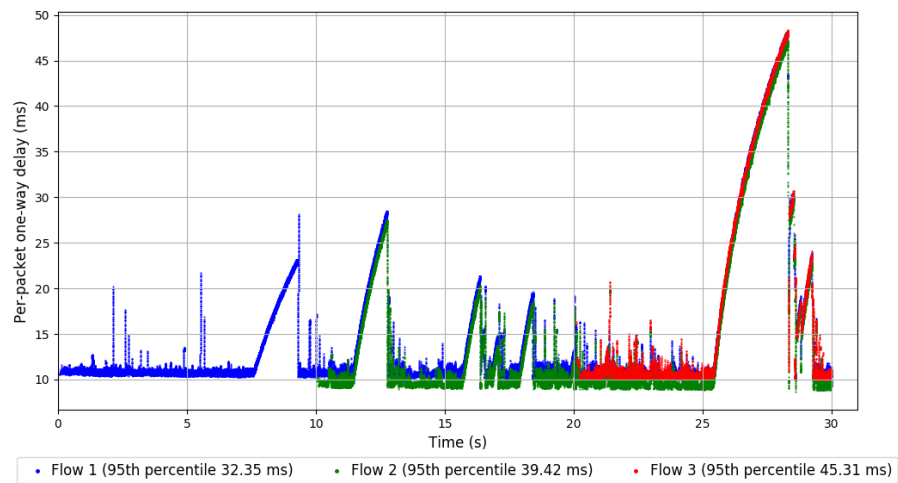
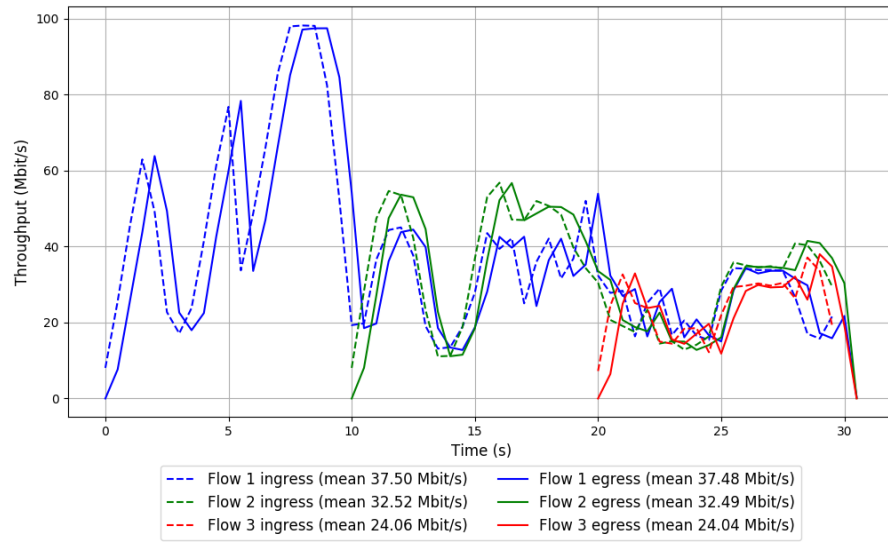


Run 4: Statistics of LEDBAT

Start at: 2018-06-29 21:58:29
End at: 2018-06-29 21:58:59
Local clock offset: 0.818 ms
Remote clock offset: -4.994 ms

Below is generated by plot.py at 2018-06-30 00:23:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.11 Mbit/s
95th percentile per-packet one-way delay: 39.224 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 37.48 Mbit/s
95th percentile per-packet one-way delay: 32.346 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 39.418 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 45.307 ms
Loss rate: 0.12%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-06-29 22:18:04

End at: 2018-06-29 22:18:34

Local clock offset: 1.177 ms

Remote clock offset: 5.124 ms

Below is generated by plot.py at 2018-06-30 00:23:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.52 Mbit/s

95th percentile per-packet one-way delay: 22.682 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 25.81 Mbit/s

95th percentile per-packet one-way delay: 14.305 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 17.98 Mbit/s

95th percentile per-packet one-way delay: 25.092 ms

Loss rate: 0.56%

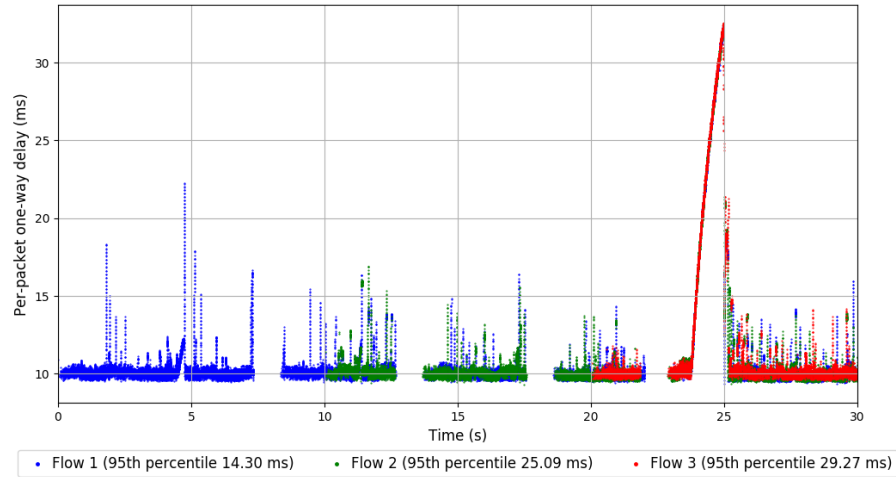
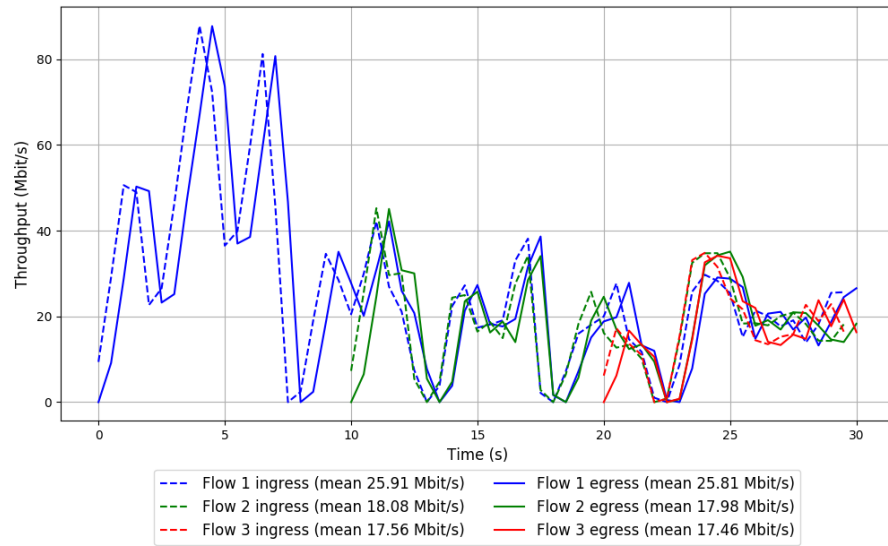
-- Flow 3:

Average throughput: 17.46 Mbit/s

95th percentile per-packet one-way delay: 29.273 ms

Loss rate: 0.55%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-06-29 22:37:38

End at: 2018-06-29 22:38:08

Local clock offset: 3.711 ms

Remote clock offset: 6.333 ms

Below is generated by plot.py at 2018-06-30 00:23:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 33.86 Mbit/s

95th percentile per-packet one-way delay: 15.612 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 16.78 Mbit/s

95th percentile per-packet one-way delay: 14.602 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 18.83 Mbit/s

95th percentile per-packet one-way delay: 16.771 ms

Loss rate: 0.98%

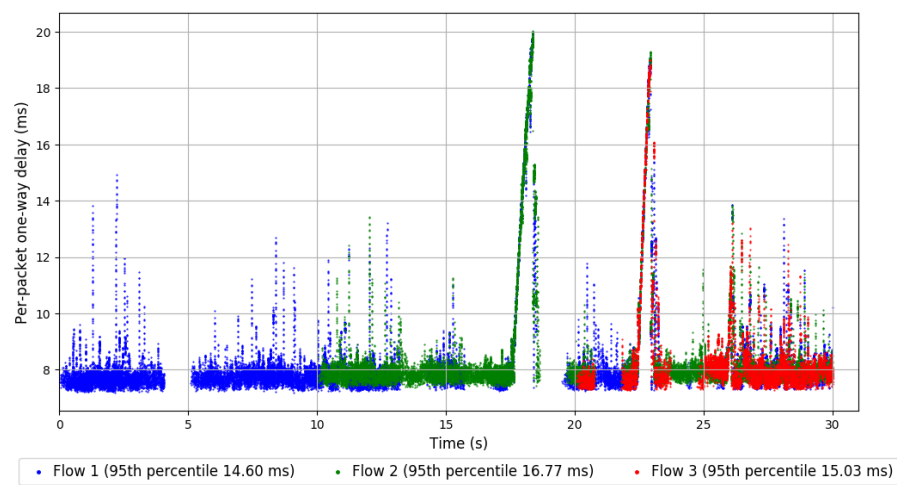
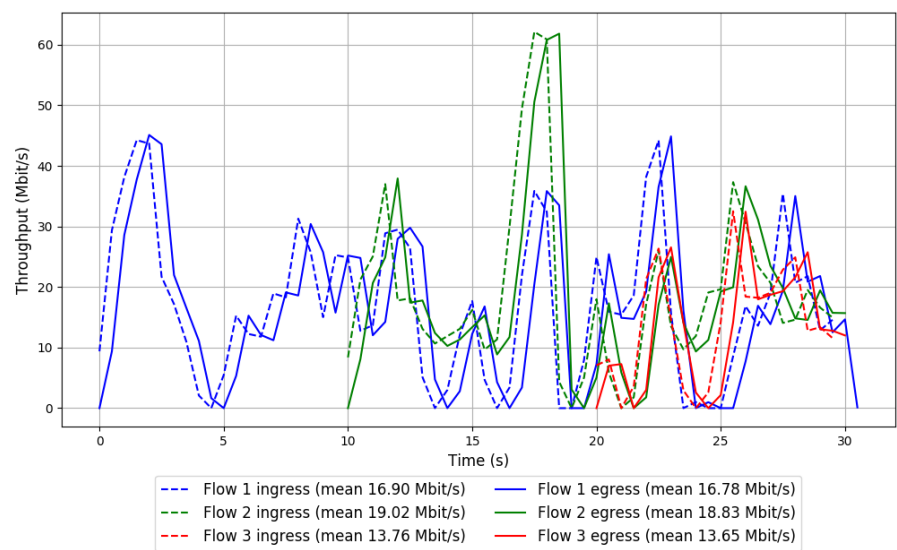
-- Flow 3:

Average throughput: 13.65 Mbit/s

95th percentile per-packet one-way delay: 15.027 ms

Loss rate: 0.86%

Run 6: Report of LEDBAT — Data Link

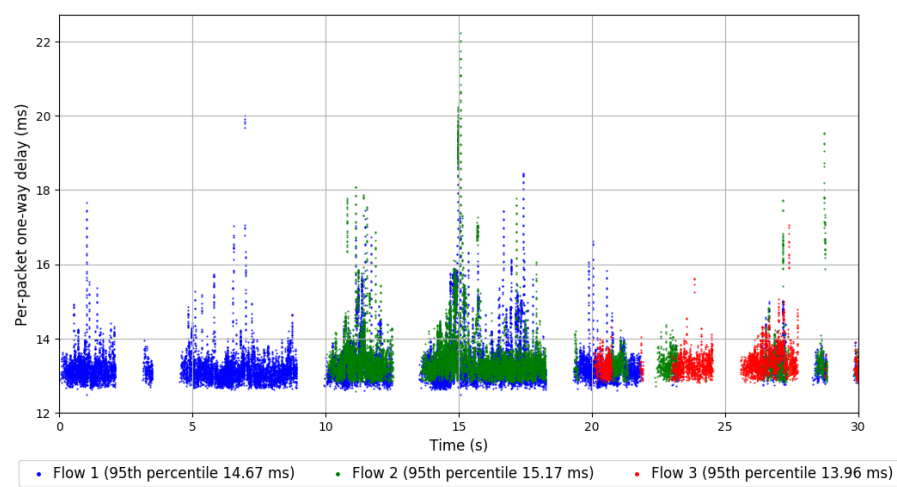
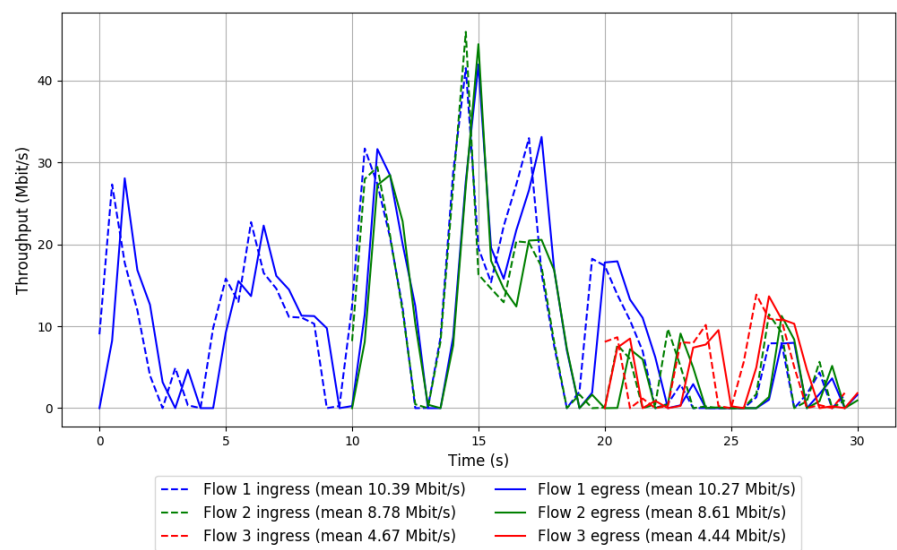


Run 7: Statistics of LEDBAT

Start at: 2018-06-29 22:57:09
End at: 2018-06-29 22:57:39
Local clock offset: -1.187 ms
Remote clock offset: 5.065 ms

Below is generated by plot.py at 2018-06-30 00:23:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.48 Mbit/s
95th percentile per-packet one-way delay: 14.753 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 10.27 Mbit/s
95th percentile per-packet one-way delay: 14.673 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 8.61 Mbit/s
95th percentile per-packet one-way delay: 15.168 ms
Loss rate: 1.91%
-- Flow 3:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 13.957 ms
Loss rate: 4.84%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-06-29 23:16:48

End at: 2018-06-29 23:17:18

Local clock offset: -0.247 ms

Remote clock offset: 2.365 ms

Below is generated by plot.py at 2018-06-30 00:23:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 26.93 Mbit/s

95th percentile per-packet one-way delay: 13.128 ms

Loss rate: 0.94%

-- Flow 1:

Average throughput: 14.58 Mbit/s

95th percentile per-packet one-way delay: 13.051 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 10.75 Mbit/s

95th percentile per-packet one-way delay: 13.012 ms

Loss rate: 1.33%

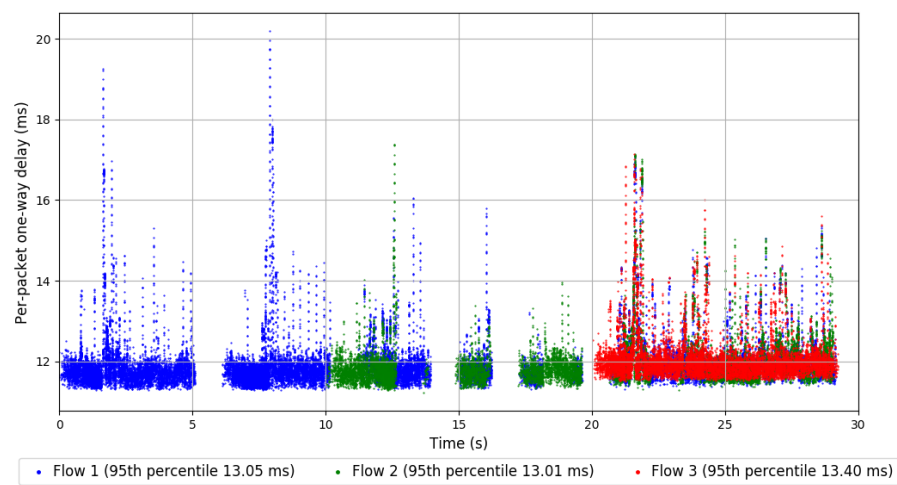
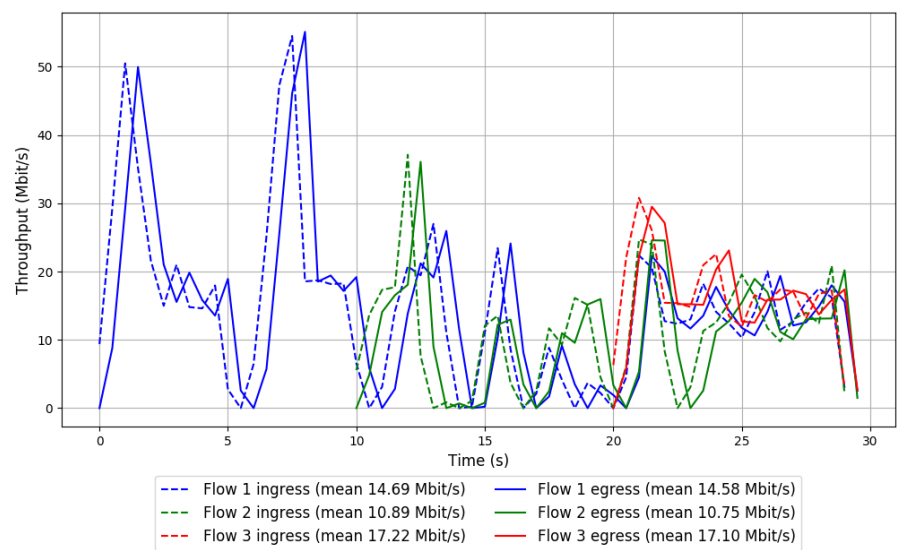
-- Flow 3:

Average throughput: 17.10 Mbit/s

95th percentile per-packet one-way delay: 13.405 ms

Loss rate: 0.72%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-06-29 23:36:25

End at: 2018-06-29 23:36:55

Local clock offset: 3.497 ms

Remote clock offset: 0.621 ms

Below is generated by plot.py at 2018-06-30 00:24:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.85 Mbit/s

95th percentile per-packet one-way delay: 31.320 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 35.23 Mbit/s

95th percentile per-packet one-way delay: 29.401 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 34.36 Mbit/s

95th percentile per-packet one-way delay: 33.963 ms

Loss rate: 0.08%

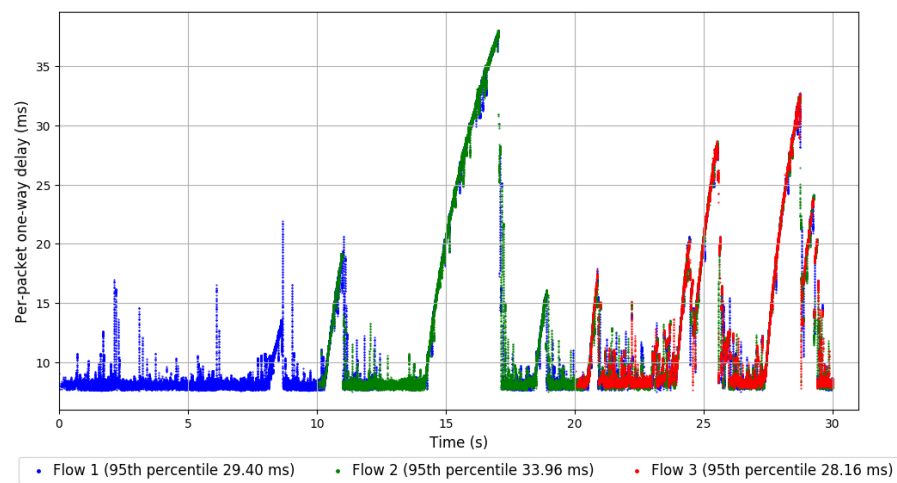
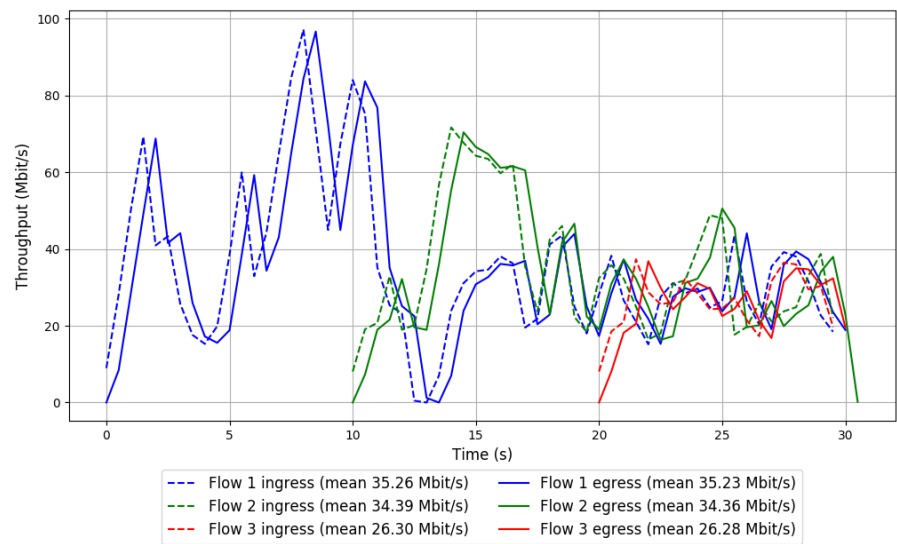
-- Flow 3:

Average throughput: 26.28 Mbit/s

95th percentile per-packet one-way delay: 28.155 ms

Loss rate: 0.09%

Run 9: Report of LEDBAT — Data Link

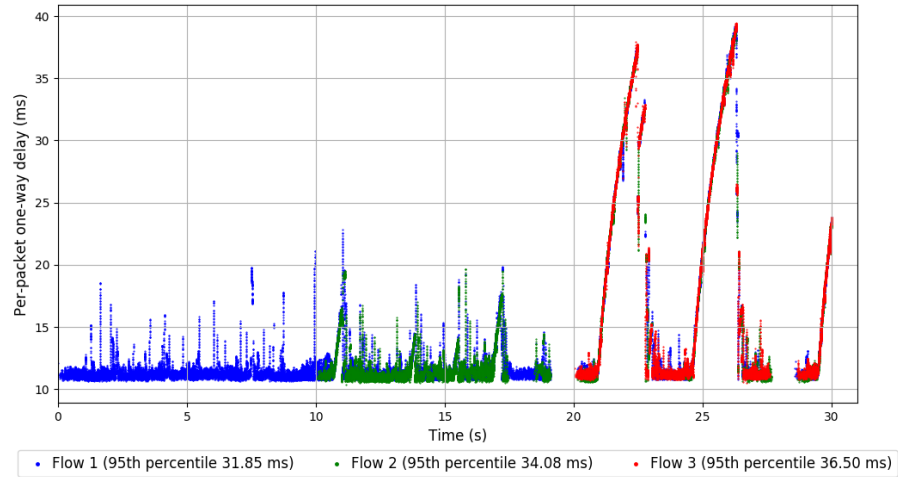
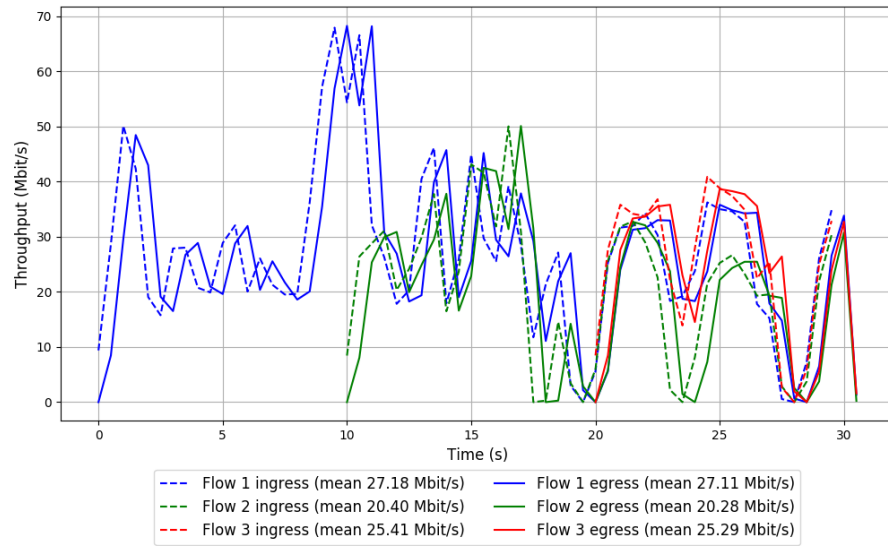


Run 10: Statistics of LEDBAT

Start at: 2018-06-29 23:56:08
End at: 2018-06-29 23:56:38
Local clock offset: 0.752 ms
Remote clock offset: -4.861 ms

Below is generated by plot.py at 2018-06-30 00:24:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.04 Mbit/s
95th percentile per-packet one-way delay: 34.066 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 27.11 Mbit/s
95th percentile per-packet one-way delay: 31.850 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 20.28 Mbit/s
95th percentile per-packet one-way delay: 34.076 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 25.29 Mbit/s
95th percentile per-packet one-way delay: 36.498 ms
Loss rate: 0.36%

Run 10: Report of LEDBAT — Data Link

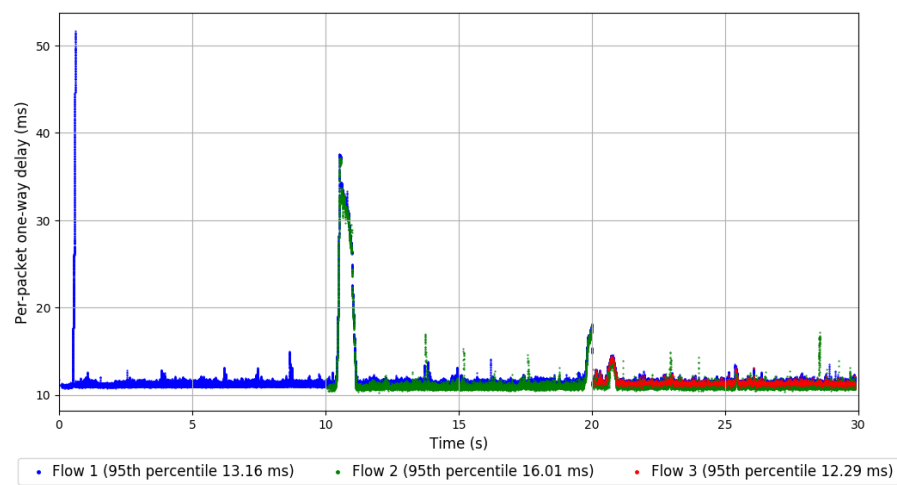
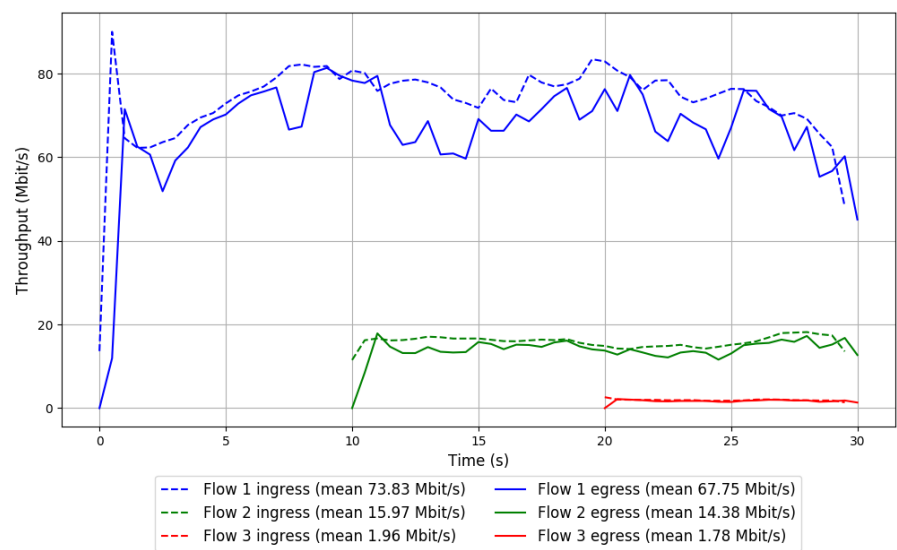


Run 1: Statistics of PCC-Allegro

Start at: 2018-06-29 21:07:53
End at: 2018-06-29 21:08:23
Local clock offset: -0.363 ms
Remote clock offset: -7.321 ms

Below is generated by plot.py at 2018-06-30 00:24:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.89 Mbit/s
95th percentile per-packet one-way delay: 13.438 ms
Loss rate: 8.48%
-- Flow 1:
Average throughput: 67.75 Mbit/s
95th percentile per-packet one-way delay: 13.158 ms
Loss rate: 8.26%
-- Flow 2:
Average throughput: 14.38 Mbit/s
95th percentile per-packet one-way delay: 16.011 ms
Loss rate: 9.97%
-- Flow 3:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 12.293 ms
Loss rate: 9.01%

Run 1: Report of PCC-Allegro — Data Link

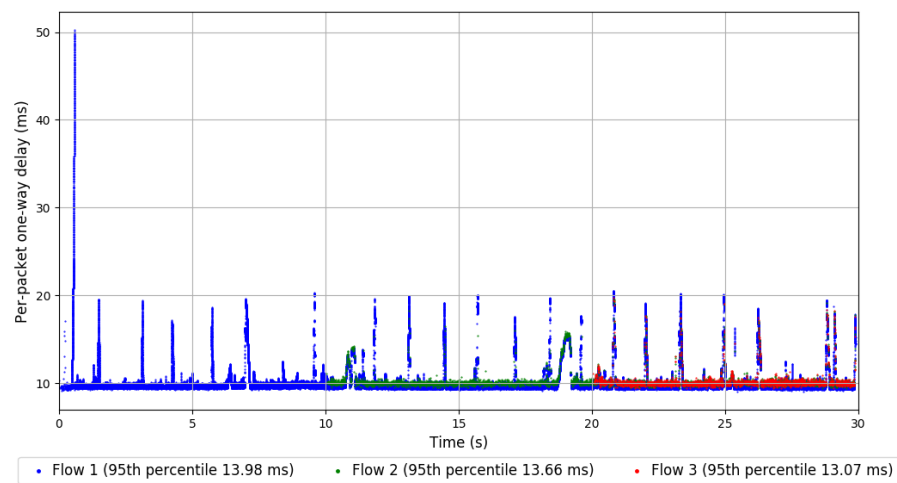
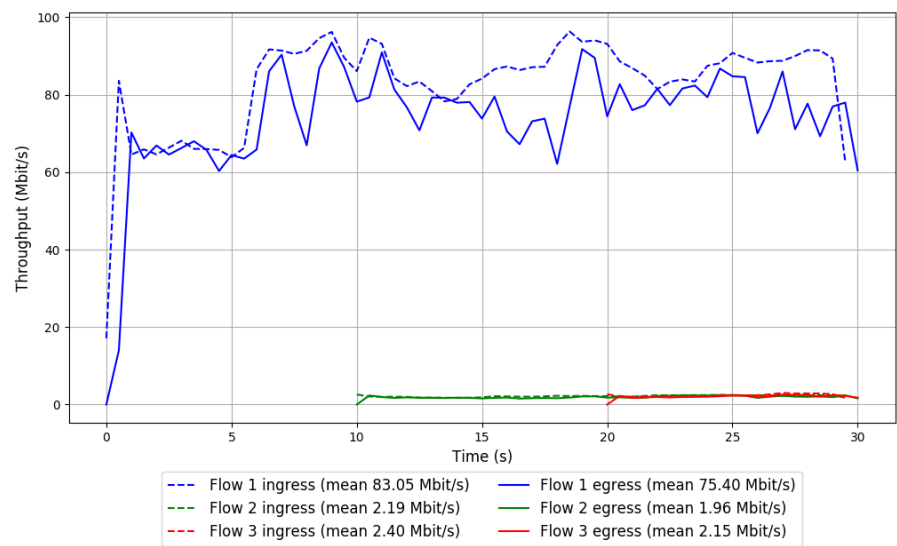


Run 2: Statistics of PCC-Allegro

Start at: 2018-06-29 21:27:22
End at: 2018-06-29 21:27:52
Local clock offset: 0.109 ms
Remote clock offset: -7.788 ms

Below is generated by plot.py at 2018-06-30 00:24:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.41 Mbit/s
95th percentile per-packet one-way delay: 13.963 ms
Loss rate: 9.23%
-- Flow 1:
Average throughput: 75.40 Mbit/s
95th percentile per-packet one-way delay: 13.979 ms
Loss rate: 9.20%
-- Flow 2:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 13.657 ms
Loss rate: 10.42%
-- Flow 3:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 13.072 ms
Loss rate: 10.38%

Run 2: Report of PCC-Allegro — Data Link

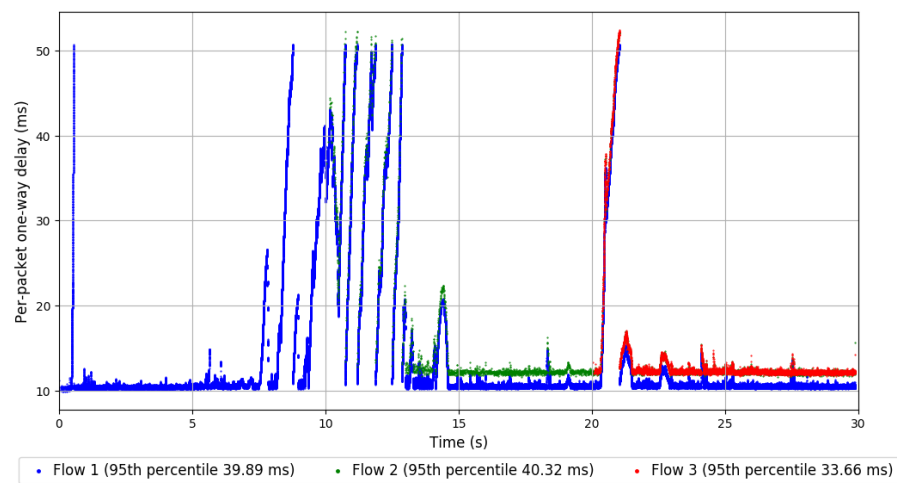
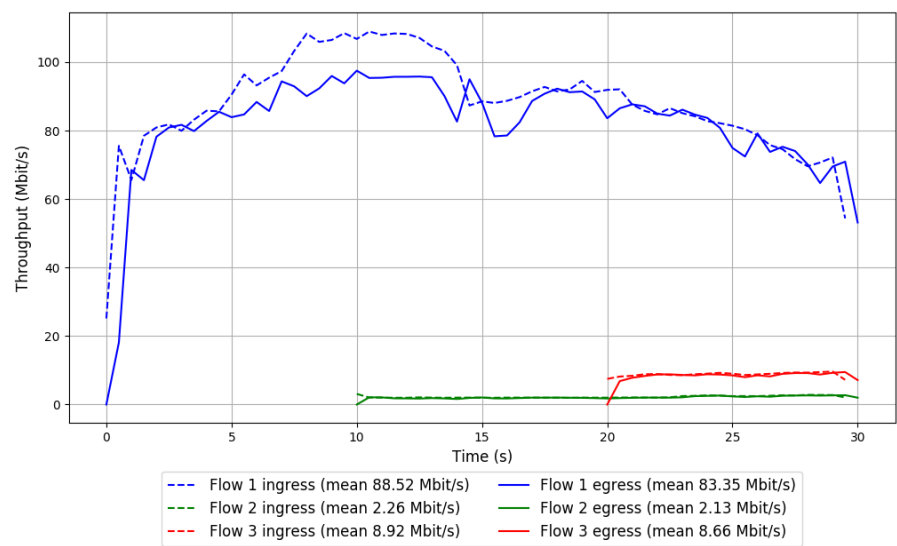


Run 3: Statistics of PCC-Allegro

Start at: 2018-06-29 21:46:53
End at: 2018-06-29 21:47:23
Local clock offset: -2.08 ms
Remote clock offset: -6.083 ms

Below is generated by plot.py at 2018-06-30 00:24:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.61 Mbit/s
95th percentile per-packet one-way delay: 39.762 ms
Loss rate: 5.75%
-- Flow 1:
Average throughput: 83.35 Mbit/s
95th percentile per-packet one-way delay: 39.886 ms
Loss rate: 5.84%
-- Flow 2:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 40.321 ms
Loss rate: 5.64%
-- Flow 3:
Average throughput: 8.66 Mbit/s
95th percentile per-packet one-way delay: 33.657 ms
Loss rate: 2.94%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-29 22:06:40

End at: 2018-06-29 22:07:10

Local clock offset: 2.321 ms

Remote clock offset: 1.086 ms

Below is generated by plot.py at 2018-06-30 00:24:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.58 Mbit/s

95th percentile per-packet one-way delay: 20.035 ms

Loss rate: 5.15%

-- Flow 1:

Average throughput: 81.47 Mbit/s

95th percentile per-packet one-way delay: 19.656 ms

Loss rate: 5.13%

-- Flow 2:

Average throughput: 3.98 Mbit/s

95th percentile per-packet one-way delay: 18.194 ms

Loss rate: 5.20%

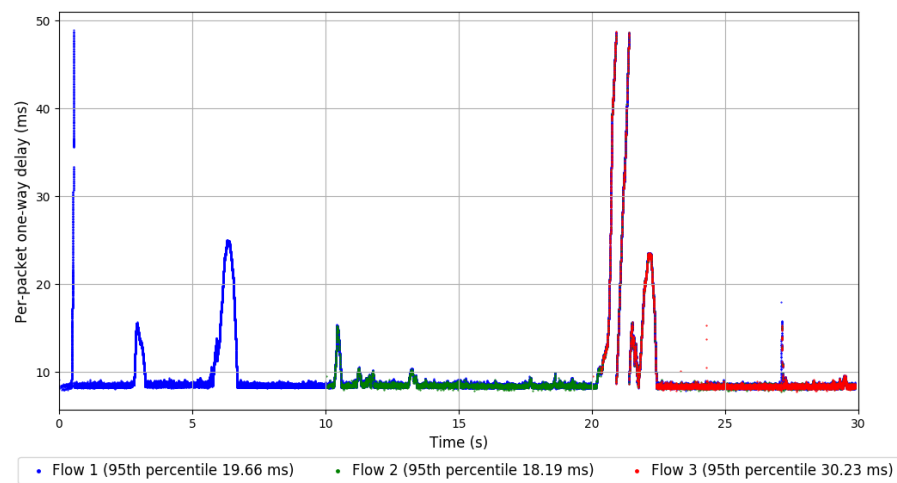
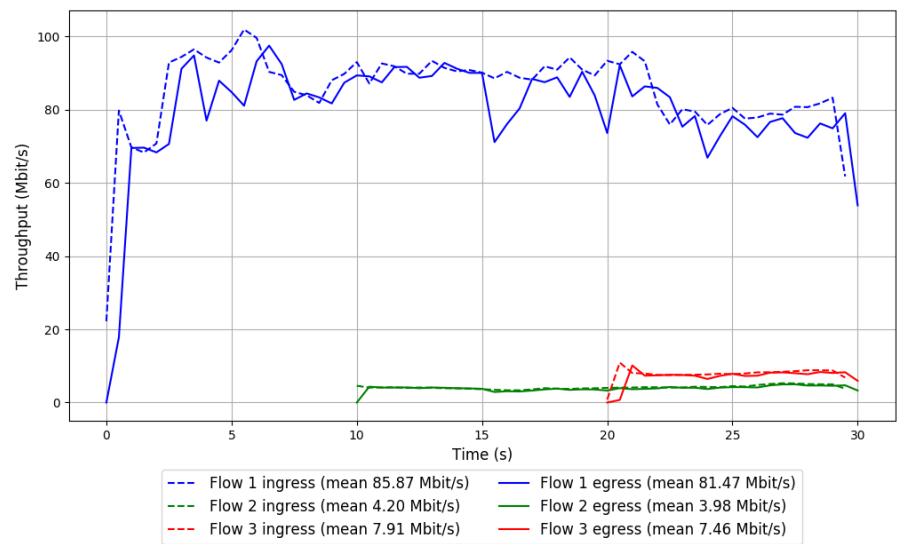
-- Flow 3:

Average throughput: 7.46 Mbit/s

95th percentile per-packet one-way delay: 30.228 ms

Loss rate: 5.69%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-29 22:26:12

End at: 2018-06-29 22:26:42

Local clock offset: 2.19 ms

Remote clock offset: 7.136 ms

Below is generated by plot.py at 2018-06-30 00:24:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.08 Mbit/s

95th percentile per-packet one-way delay: 11.539 ms

Loss rate: 6.28%

-- Flow 1:

Average throughput: 68.82 Mbit/s

95th percentile per-packet one-way delay: 11.518 ms

Loss rate: 6.26%

-- Flow 2:

Average throughput: 15.25 Mbit/s

95th percentile per-packet one-way delay: 11.810 ms

Loss rate: 6.36%

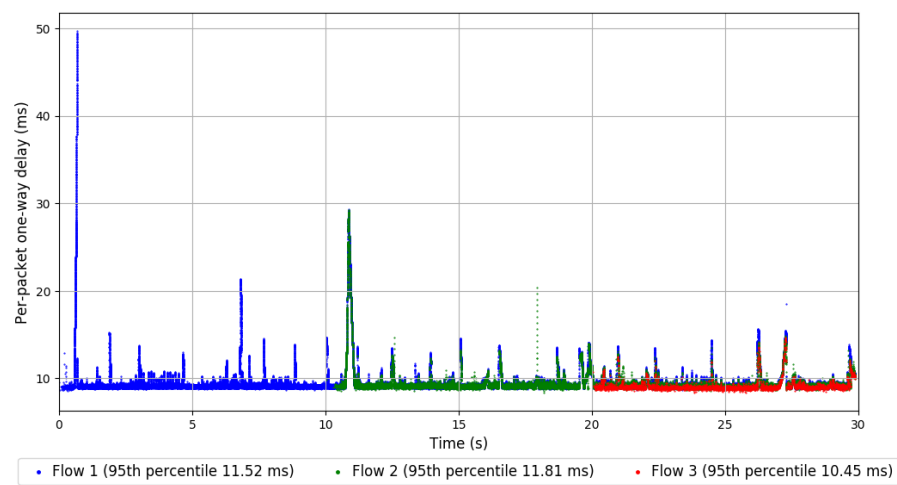
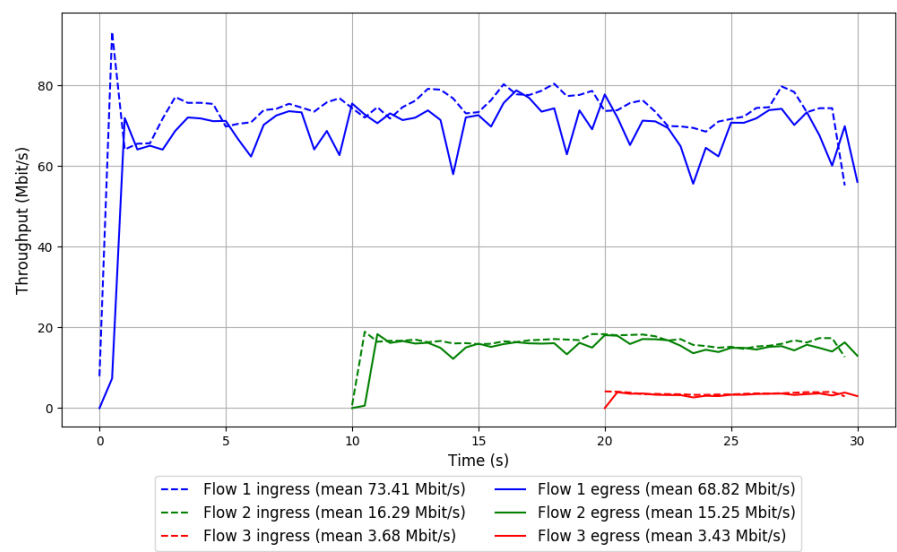
-- Flow 3:

Average throughput: 3.43 Mbit/s

95th percentile per-packet one-way delay: 10.446 ms

Loss rate: 6.98%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-29 22:45:42

End at: 2018-06-29 22:46:12

Local clock offset: 2.192 ms

Remote clock offset: 5.798 ms

Below is generated by plot.py at 2018-06-30 00:24:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.42 Mbit/s

95th percentile per-packet one-way delay: 10.317 ms

Loss rate: 8.41%

-- Flow 1:

Average throughput: 55.44 Mbit/s

95th percentile per-packet one-way delay: 10.325 ms

Loss rate: 8.40%

-- Flow 2:

Average throughput: 5.02 Mbit/s

95th percentile per-packet one-way delay: 10.196 ms

Loss rate: 8.54%

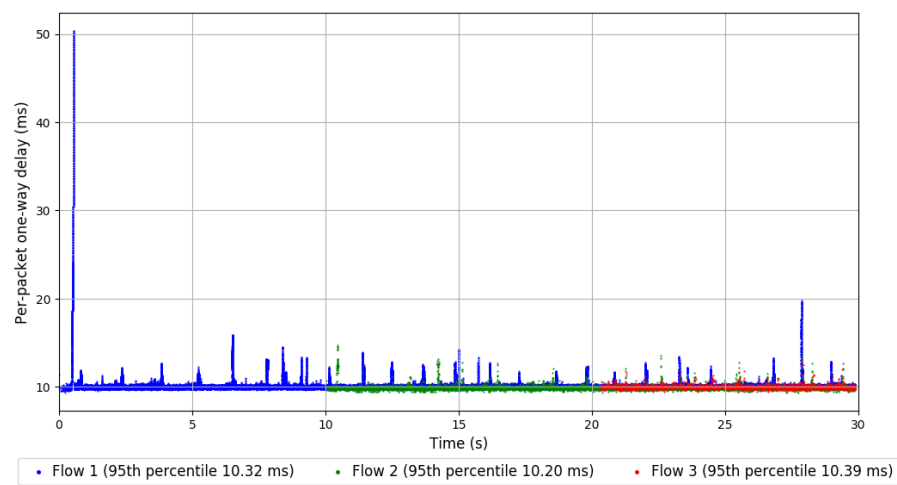
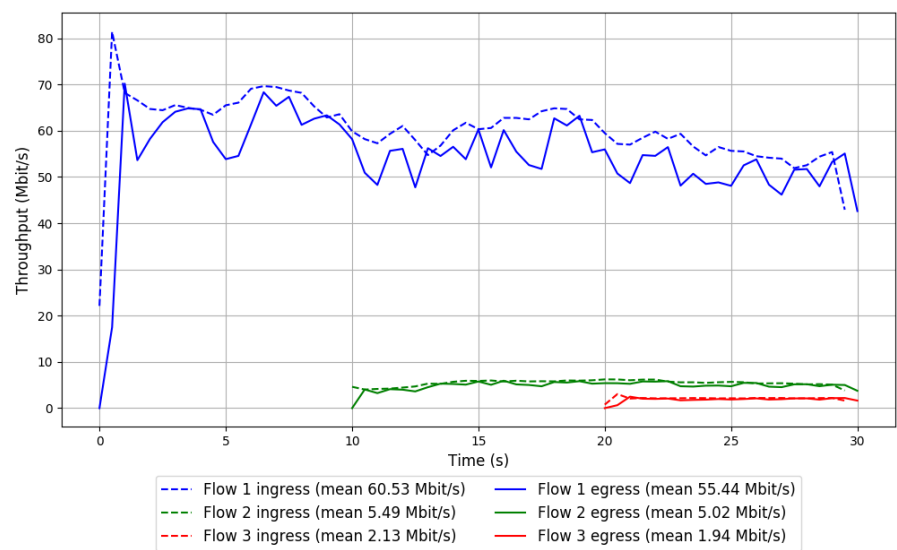
-- Flow 3:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 10.395 ms

Loss rate: 8.83%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-29 23:05:10

End at: 2018-06-29 23:05:40

Local clock offset: 1.573 ms

Remote clock offset: 3.832 ms

Below is generated by plot.py at 2018-06-30 00:24:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.66 Mbit/s

95th percentile per-packet one-way delay: 15.827 ms

Loss rate: 8.92%

-- Flow 1:

Average throughput: 67.77 Mbit/s

95th percentile per-packet one-way delay: 15.739 ms

Loss rate: 8.76%

-- Flow 2:

Average throughput: 12.62 Mbit/s

95th percentile per-packet one-way delay: 18.934 ms

Loss rate: 10.01%

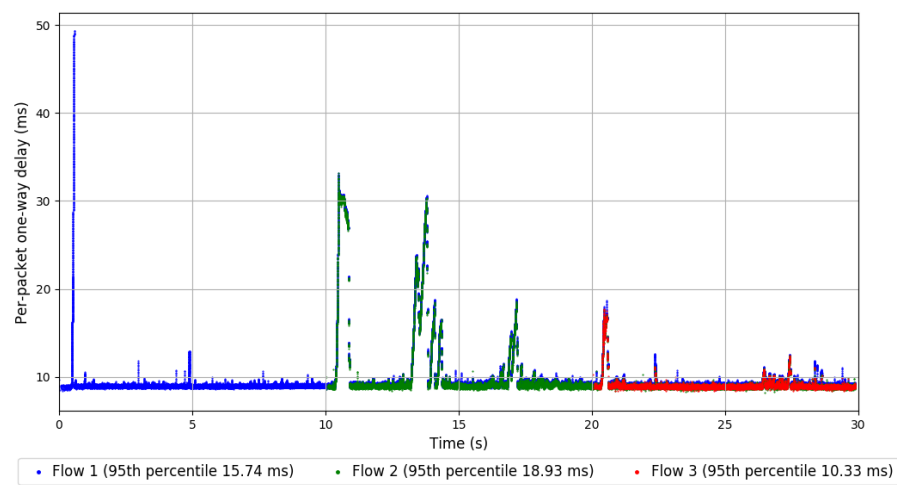
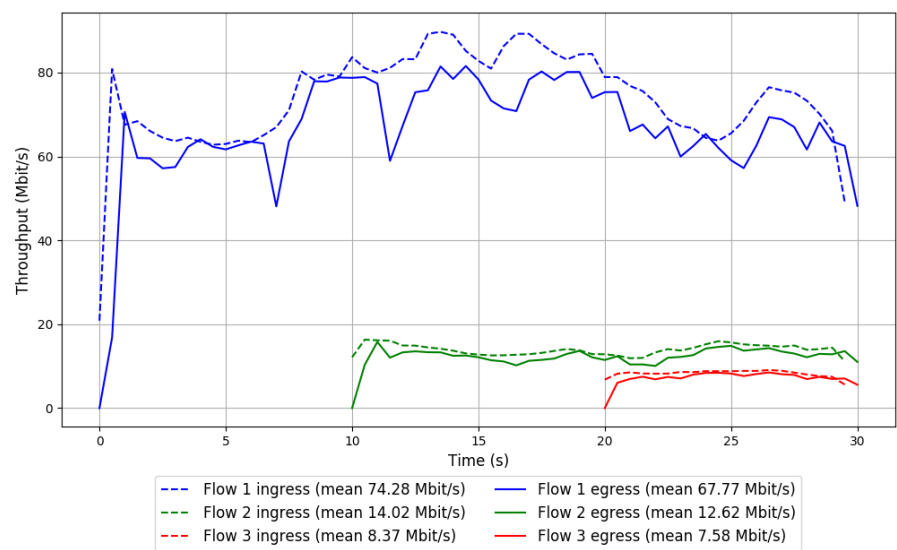
-- Flow 3:

Average throughput: 7.58 Mbit/s

95th percentile per-packet one-way delay: 10.330 ms

Loss rate: 9.48%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-29 23:24:50

End at: 2018-06-29 23:25:20

Local clock offset: -5.882 ms

Remote clock offset: 1.843 ms

Below is generated by plot.py at 2018-06-30 00:25:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.62 Mbit/s

95th percentile per-packet one-way delay: 19.418 ms

Loss rate: 6.68%

-- Flow 1:

Average throughput: 71.65 Mbit/s

95th percentile per-packet one-way delay: 19.283 ms

Loss rate: 6.45%

-- Flow 2:

Average throughput: 9.30 Mbit/s

95th percentile per-packet one-way delay: 20.088 ms

Loss rate: 8.13%

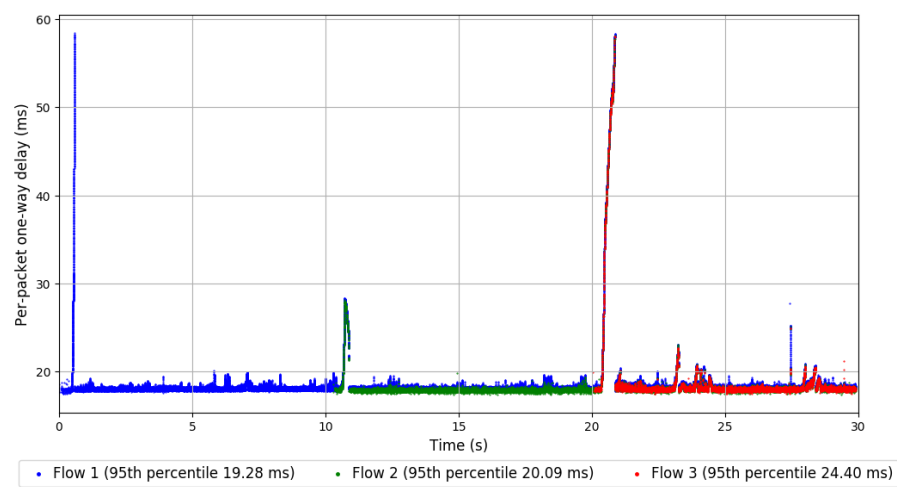
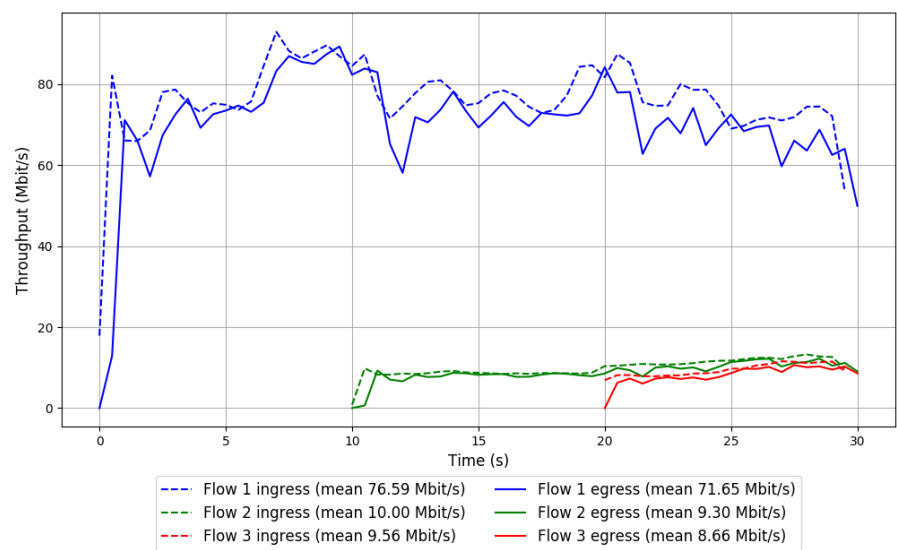
-- Flow 3:

Average throughput: 8.66 Mbit/s

95th percentile per-packet one-way delay: 24.400 ms

Loss rate: 9.36%

Run 8: Report of PCC-Allegro — Data Link

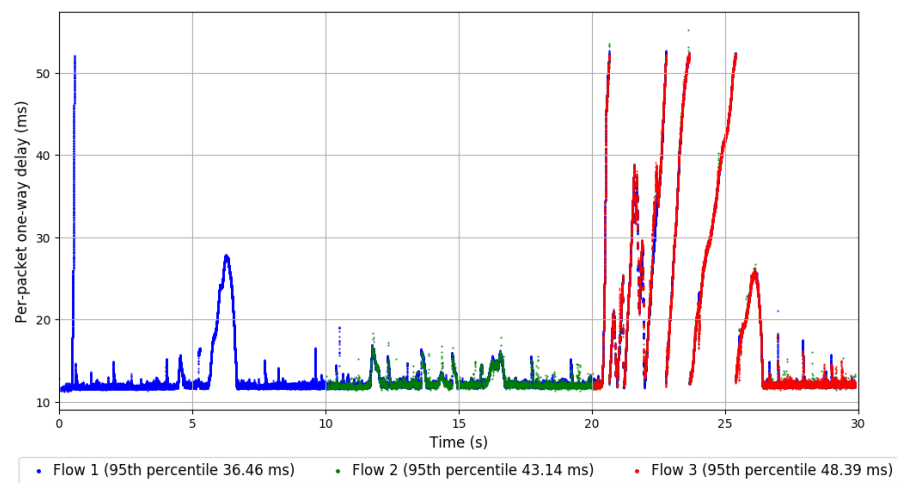
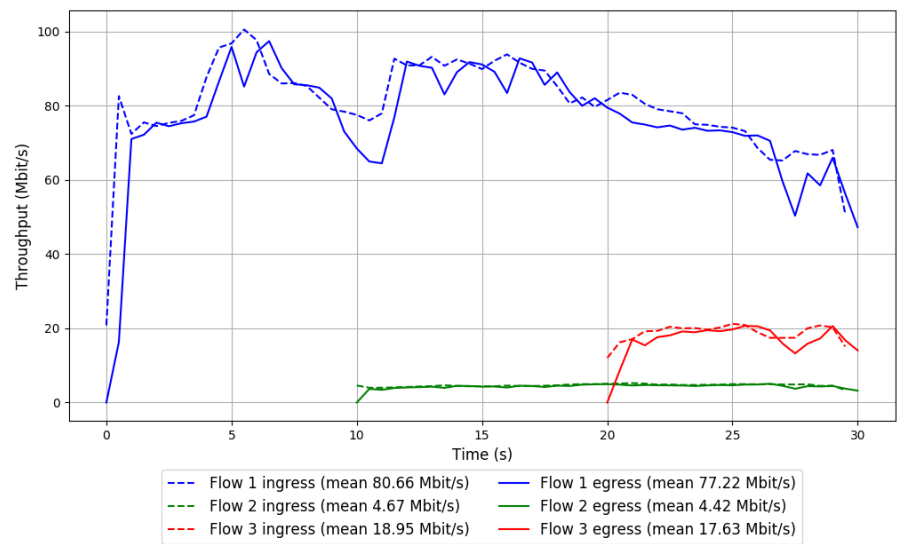


Run 9: Statistics of PCC-Allegro

Start at: 2018-06-29 23:44:34
End at: 2018-06-29 23:45:04
Local clock offset: -0.309 ms
Remote clock offset: -2.098 ms

Below is generated by plot.py at 2018-06-30 00:25:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.97 Mbit/s
95th percentile per-packet one-way delay: 39.283 ms
Loss rate: 4.50%
-- Flow 1:
Average throughput: 77.22 Mbit/s
95th percentile per-packet one-way delay: 36.463 ms
Loss rate: 4.28%
-- Flow 2:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 43.143 ms
Loss rate: 5.31%
-- Flow 3:
Average throughput: 17.63 Mbit/s
95th percentile per-packet one-way delay: 48.393 ms
Loss rate: 6.96%

Run 9: Report of PCC-Allegro — Data Link

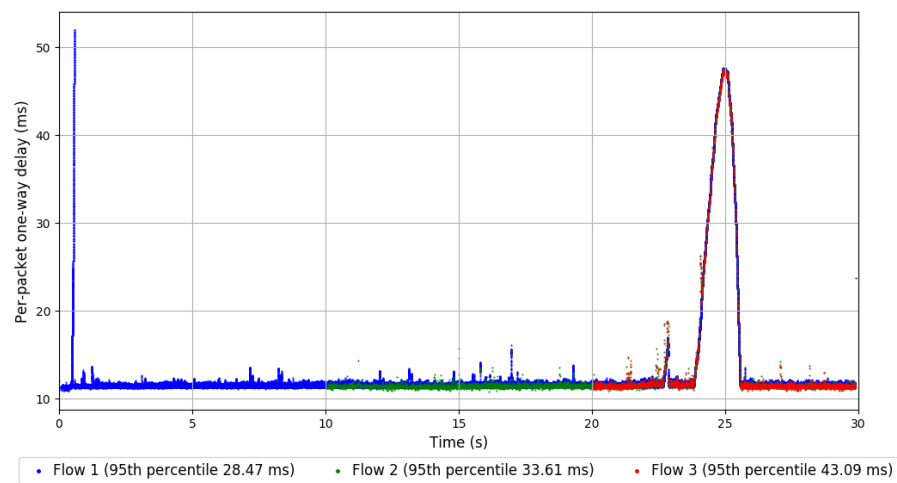
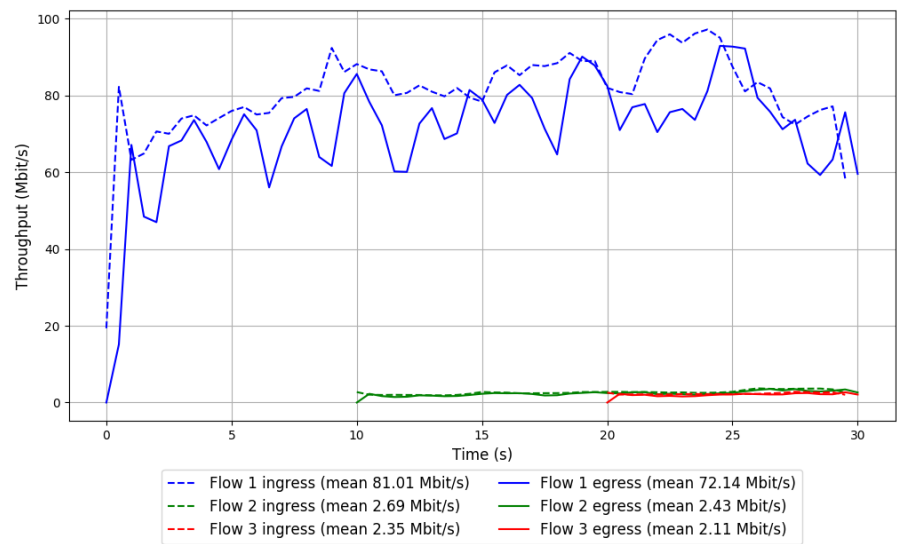


Run 10: Statistics of PCC-Allegro

Start at: 2018-06-30 00:04:14
End at: 2018-06-30 00:04:44
Local clock offset: -0.519 ms
Remote clock offset: -6.665 ms

Below is generated by plot.py at 2018-06-30 00:25:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.44 Mbit/s
95th percentile per-packet one-way delay: 29.347 ms
Loss rate: 10.89%
-- Flow 1:
Average throughput: 72.14 Mbit/s
95th percentile per-packet one-way delay: 28.466 ms
Loss rate: 10.92%
-- Flow 2:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 33.614 ms
Loss rate: 9.86%
-- Flow 3:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 43.094 ms
Loss rate: 10.26%

Run 10: Report of PCC-Allegro — Data Link

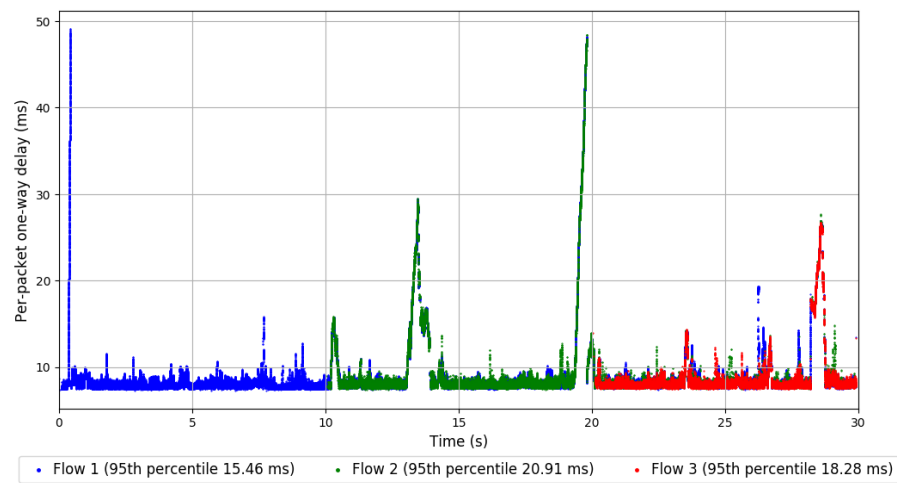
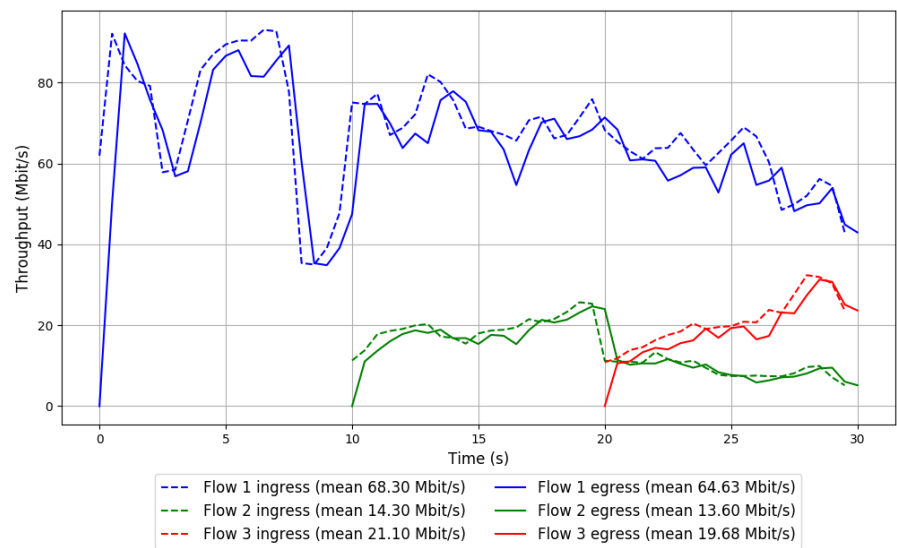


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-29 21:05:27
End at: 2018-06-29 21:05:57
Local clock offset: 2.48 ms
Remote clock offset: -6.893 ms

# Below is generated by plot.py at 2018-06-30 00:26:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.16 Mbit/s
95th percentile per-packet one-way delay: 16.388 ms
Loss rate: 5.44%
-- Flow 1:
Average throughput: 64.63 Mbit/s
95th percentile per-packet one-way delay: 15.461 ms
Loss rate: 5.37%
-- Flow 2:
Average throughput: 13.60 Mbit/s
95th percentile per-packet one-way delay: 20.913 ms
Loss rate: 4.96%
-- Flow 3:
Average throughput: 19.68 Mbit/s
95th percentile per-packet one-way delay: 18.276 ms
Loss rate: 6.77%
```

Run 1: Report of PCC-Expr — Data Link

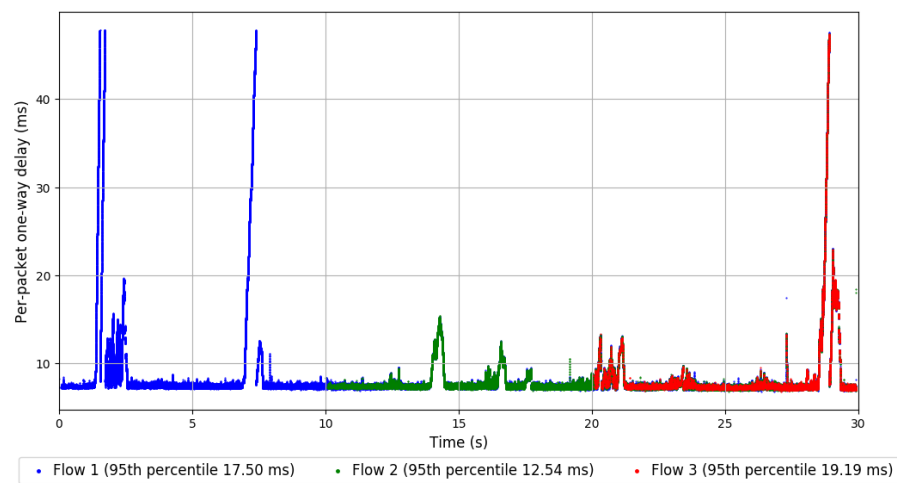
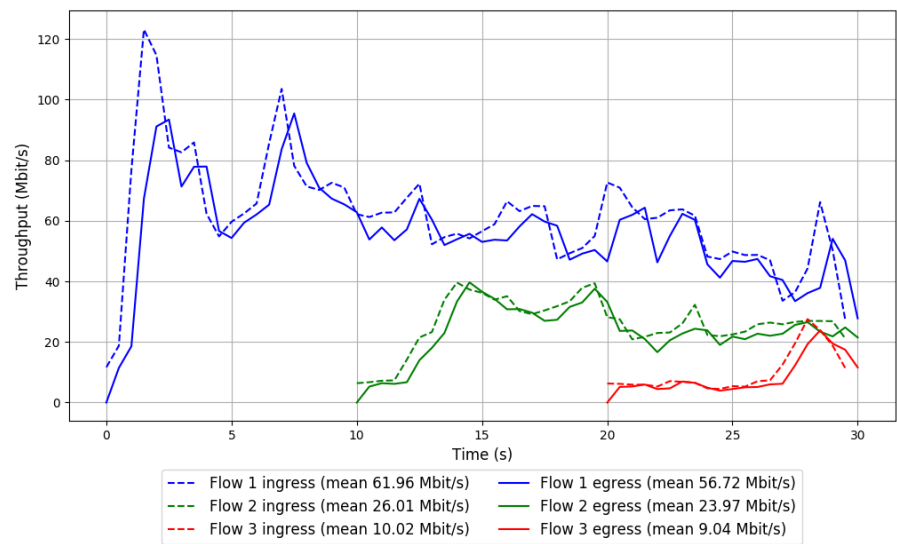


```
Run 2: Statistics of PCC-Expr

Start at: 2018-06-29 21:25:00
End at: 2018-06-29 21:25:30
Local clock offset: 1.951 ms
Remote clock offset: -9.688 ms

# Below is generated by plot.py at 2018-06-30 00:26:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.63 Mbit/s
95th percentile per-packet one-way delay: 16.583 ms
Loss rate: 8.37%
-- Flow 1:
Average throughput: 56.72 Mbit/s
95th percentile per-packet one-way delay: 17.505 ms
Loss rate: 8.46%
-- Flow 2:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 12.541 ms
Loss rate: 7.79%
-- Flow 3:
Average throughput: 9.04 Mbit/s
95th percentile per-packet one-way delay: 19.189 ms
Loss rate: 9.75%
```

Run 2: Report of PCC-Expr — Data Link

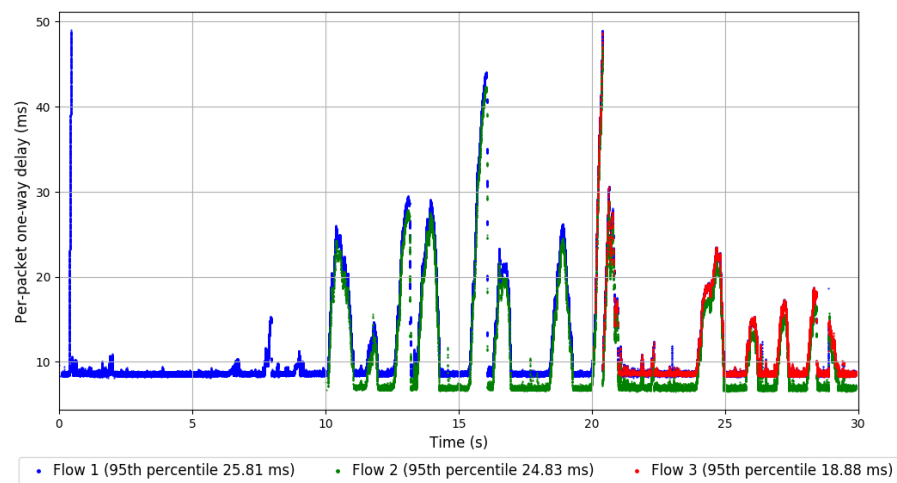
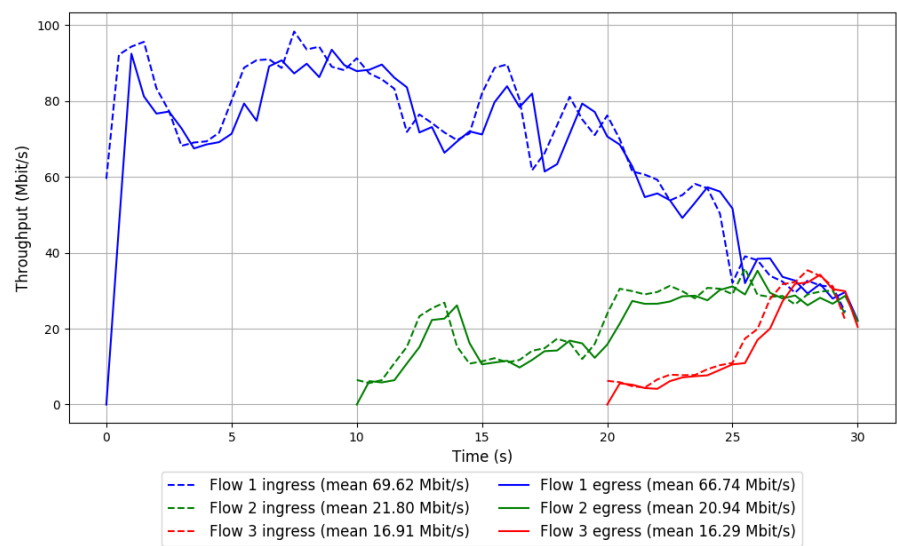


Run 3: Statistics of PCC-Expr

Start at: 2018-06-29 21:44:26
End at: 2018-06-29 21:44:56
Local clock offset: 0.991 ms
Remote clock offset: -6.376 ms

Below is generated by plot.py at 2018-06-30 00:26:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.05 Mbit/s
95th percentile per-packet one-way delay: 25.436 ms
Loss rate: 4.09%
-- Flow 1:
Average throughput: 66.74 Mbit/s
95th percentile per-packet one-way delay: 25.812 ms
Loss rate: 4.15%
-- Flow 2:
Average throughput: 20.94 Mbit/s
95th percentile per-packet one-way delay: 24.833 ms
Loss rate: 3.93%
-- Flow 3:
Average throughput: 16.29 Mbit/s
95th percentile per-packet one-way delay: 18.884 ms
Loss rate: 3.70%

Run 3: Report of PCC-Expr — Data Link

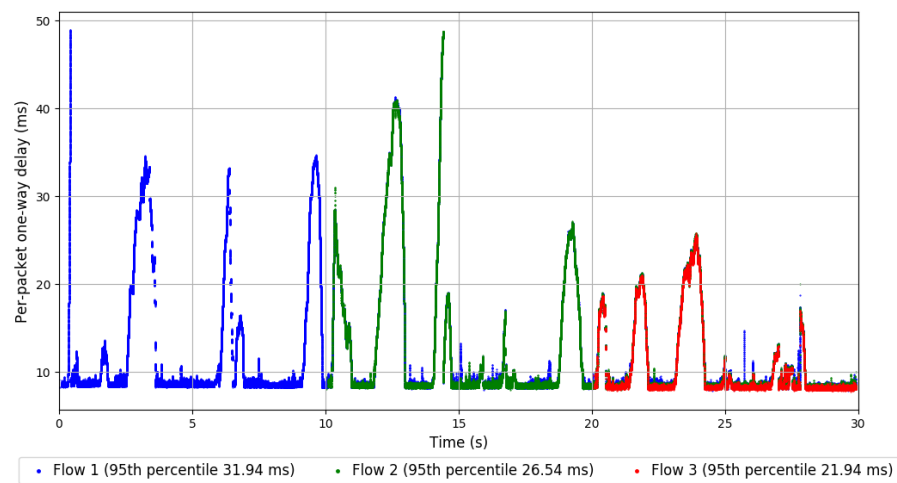
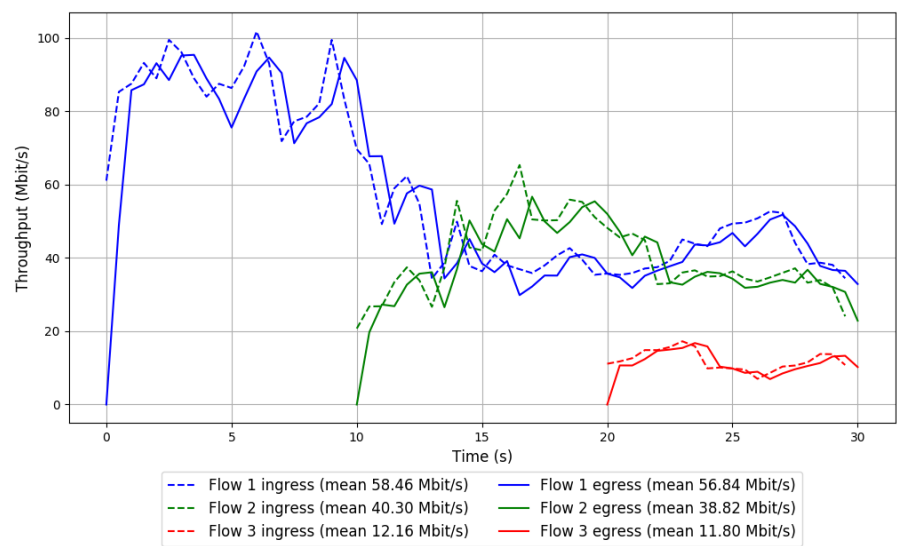


Run 4: Statistics of PCC-Expr

Start at: 2018-06-29 22:04:16
End at: 2018-06-29 22:04:46
Local clock offset: 1.732 ms
Remote clock offset: -0.745 ms

Below is generated by plot.py at 2018-06-30 00:26:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.55 Mbit/s
95th percentile per-packet one-way delay: 30.873 ms
Loss rate: 3.05%
-- Flow 1:
Average throughput: 56.84 Mbit/s
95th percentile per-packet one-way delay: 31.944 ms
Loss rate: 2.78%
-- Flow 2:
Average throughput: 38.82 Mbit/s
95th percentile per-packet one-way delay: 26.538 ms
Loss rate: 3.65%
-- Flow 3:
Average throughput: 11.80 Mbit/s
95th percentile per-packet one-way delay: 21.942 ms
Loss rate: 3.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-06-29 22:23:46

End at: 2018-06-29 22:24:16

Local clock offset: 2.768 ms

Remote clock offset: 7.103 ms

Below is generated by plot.py at 2018-06-30 00:26:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.50 Mbit/s

95th percentile per-packet one-way delay: 29.903 ms

Loss rate: 8.76%

-- Flow 1:

Average throughput: 69.23 Mbit/s

95th percentile per-packet one-way delay: 29.698 ms

Loss rate: 8.79%

-- Flow 2:

Average throughput: 11.06 Mbit/s

95th percentile per-packet one-way delay: 29.973 ms

Loss rate: 8.59%

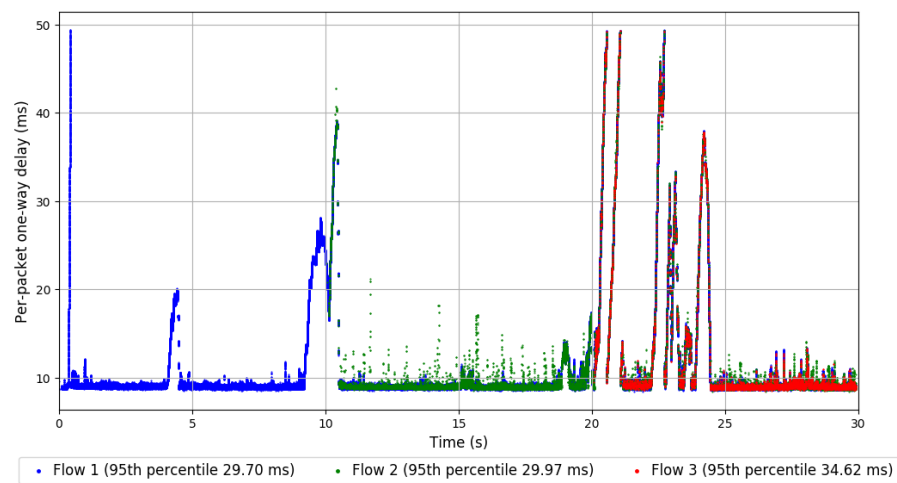
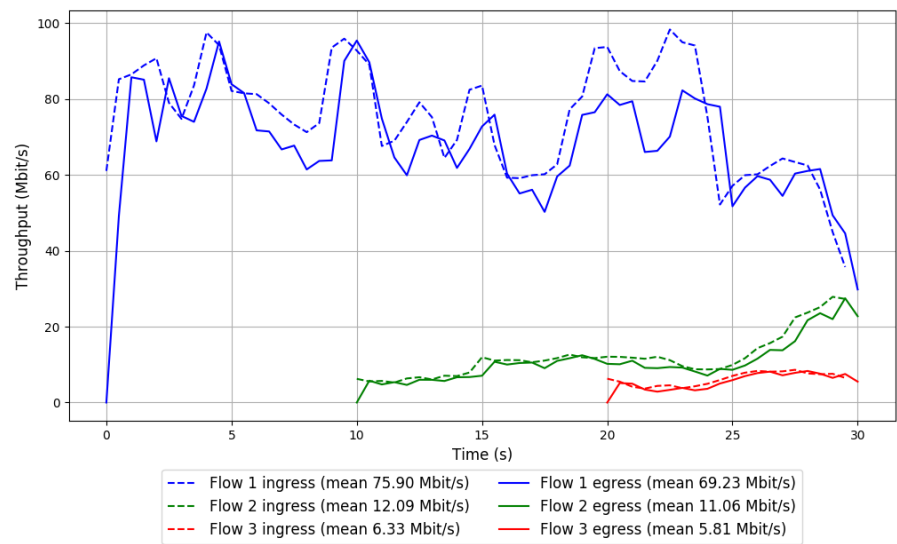
-- Flow 3:

Average throughput: 5.81 Mbit/s

95th percentile per-packet one-way delay: 34.617 ms

Loss rate: 8.17%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-29 22:43:20

End at: 2018-06-29 22:43:50

Local clock offset: 0.154 ms

Remote clock offset: 5.211 ms

Below is generated by plot.py at 2018-06-30 00:26:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.71 Mbit/s

95th percentile per-packet one-way delay: 13.535 ms

Loss rate: 9.21%

-- Flow 1:

Average throughput: 53.56 Mbit/s

95th percentile per-packet one-way delay: 13.646 ms

Loss rate: 9.64%

-- Flow 2:

Average throughput: 20.77 Mbit/s

95th percentile per-packet one-way delay: 12.682 ms

Loss rate: 8.05%

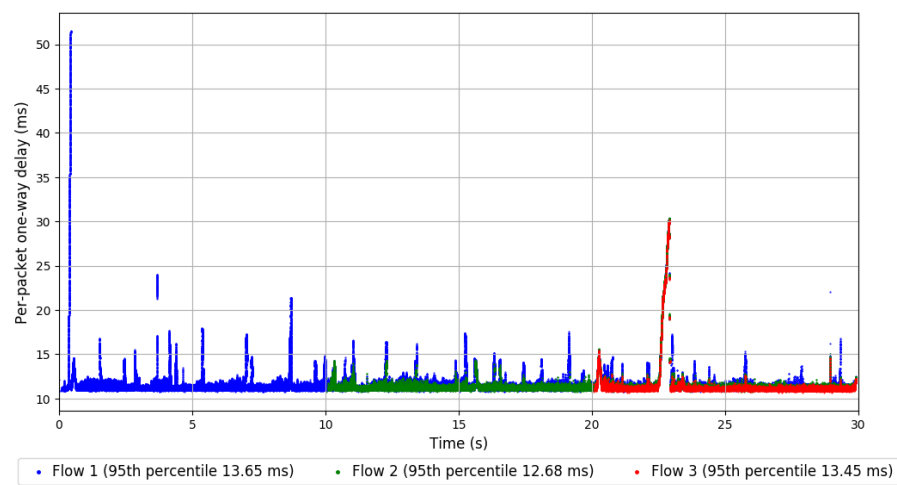
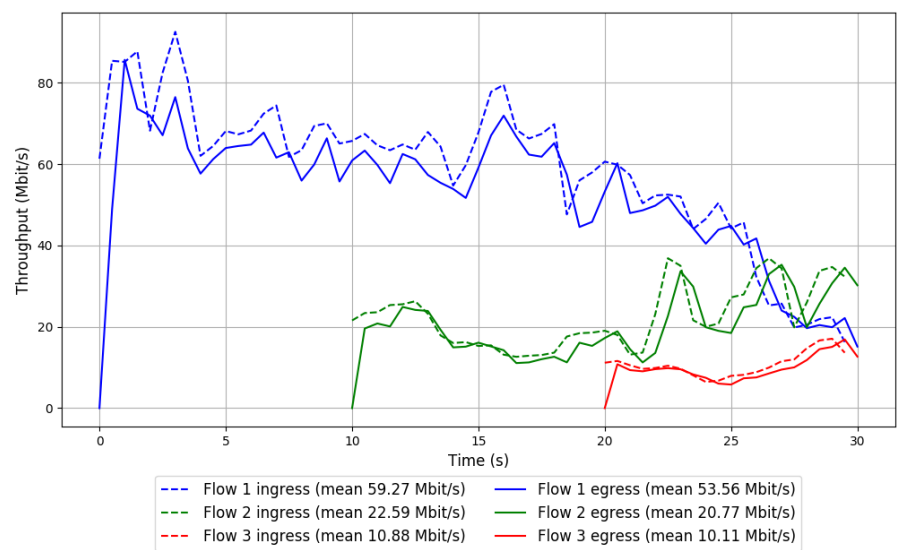
-- Flow 3:

Average throughput: 10.11 Mbit/s

95th percentile per-packet one-way delay: 13.453 ms

Loss rate: 7.05%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-06-29 23:02:46

End at: 2018-06-29 23:03:16

Local clock offset: -0.088 ms

Remote clock offset: 4.391 ms

Below is generated by plot.py at 2018-06-30 00:27:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.65 Mbit/s

95th percentile per-packet one-way delay: 21.752 ms

Loss rate: 9.98%

-- Flow 1:

Average throughput: 60.97 Mbit/s

95th percentile per-packet one-way delay: 22.009 ms

Loss rate: 9.89%

-- Flow 2:

Average throughput: 12.46 Mbit/s

95th percentile per-packet one-way delay: 28.347 ms

Loss rate: 11.41%

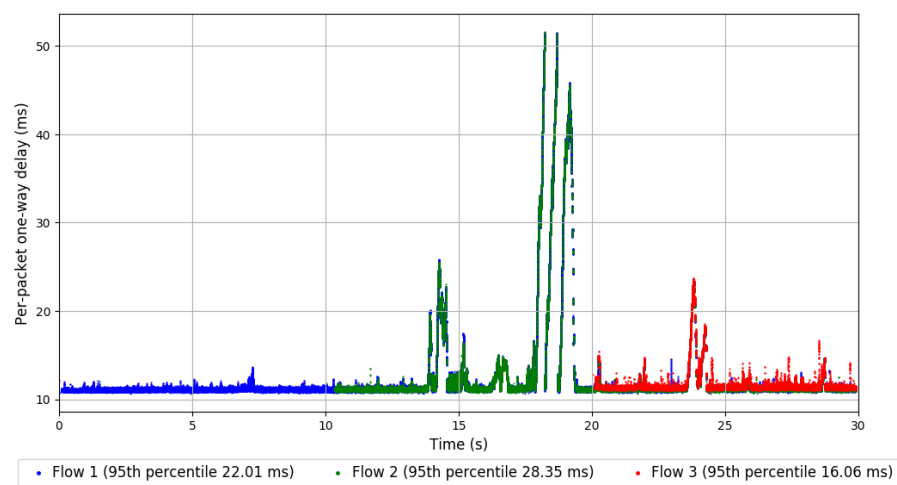
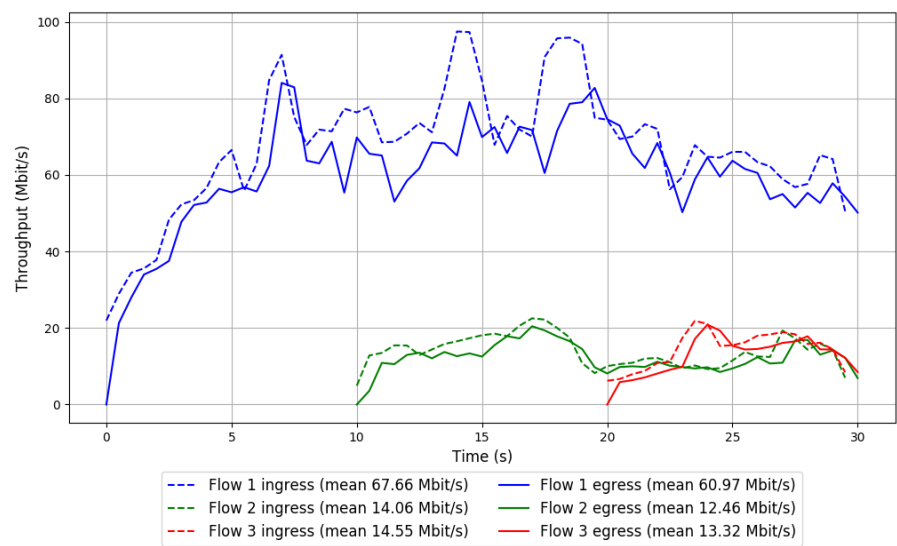
-- Flow 3:

Average throughput: 13.32 Mbit/s

95th percentile per-packet one-way delay: 16.060 ms

Loss rate: 8.50%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-06-29 23:22:26

End at: 2018-06-29 23:22:56

Local clock offset: 2.08 ms

Remote clock offset: 1.439 ms

Below is generated by plot.py at 2018-06-30 00:27:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.14 Mbit/s

95th percentile per-packet one-way delay: 32.148 ms

Loss rate: 4.98%

-- Flow 1:

Average throughput: 52.86 Mbit/s

95th percentile per-packet one-way delay: 26.680 ms

Loss rate: 4.97%

-- Flow 2:

Average throughput: 35.71 Mbit/s

95th percentile per-packet one-way delay: 37.911 ms

Loss rate: 4.52%

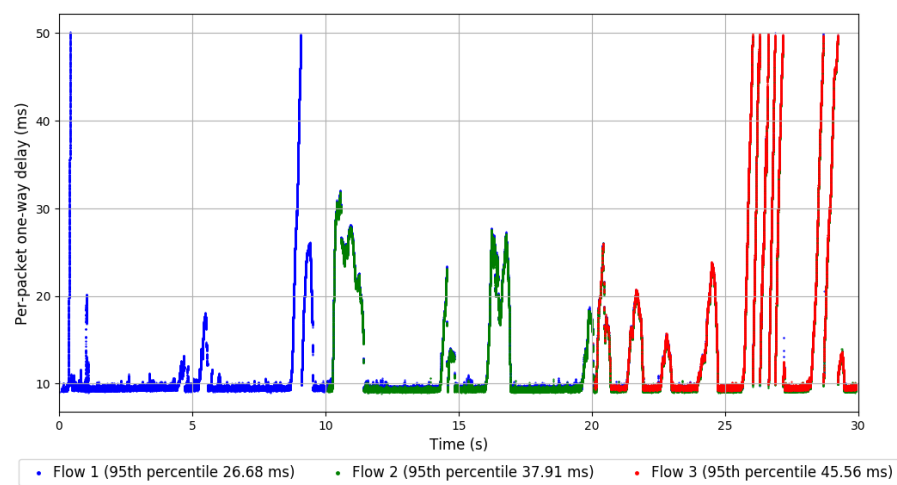
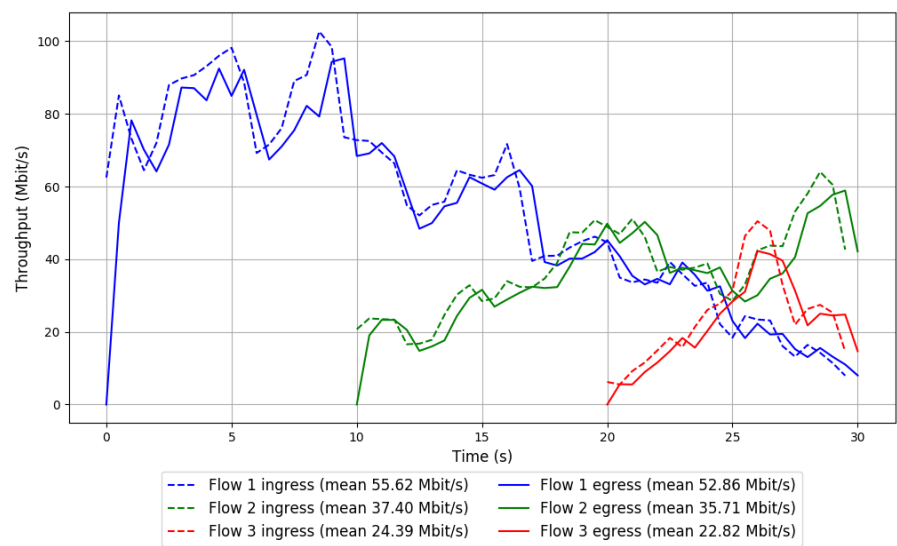
-- Flow 3:

Average throughput: 22.82 Mbit/s

95th percentile per-packet one-way delay: 45.559 ms

Loss rate: 6.47%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-06-29 23:42:10

End at: 2018-06-29 23:42:40

Local clock offset: 1.52 ms

Remote clock offset: 0.437 ms

Below is generated by plot.py at 2018-06-30 00:28:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.39 Mbit/s

95th percentile per-packet one-way delay: 44.131 ms

Loss rate: 2.13%

-- Flow 1:

Average throughput: 61.30 Mbit/s

95th percentile per-packet one-way delay: 43.947 ms

Loss rate: 2.44%

-- Flow 2:

Average throughput: 30.39 Mbit/s

95th percentile per-packet one-way delay: 46.206 ms

Loss rate: 1.26%

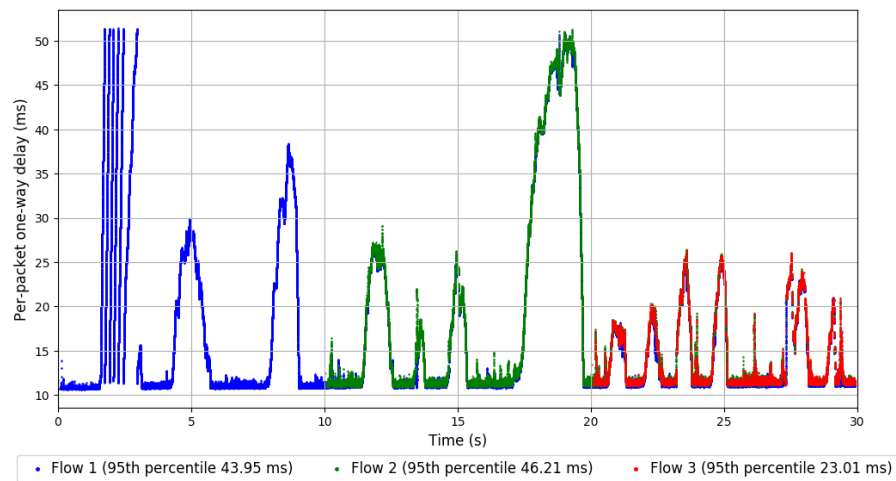
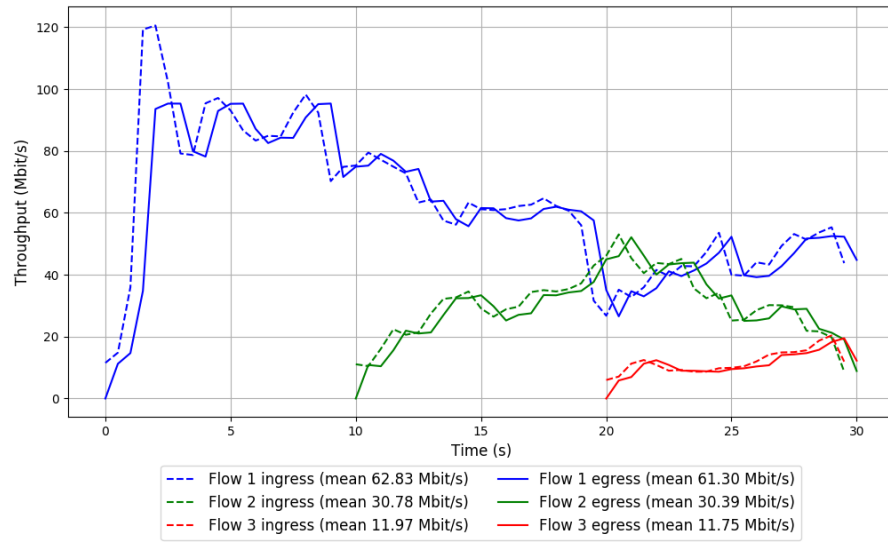
-- Flow 3:

Average throughput: 11.75 Mbit/s

95th percentile per-packet one-way delay: 23.010 ms

Loss rate: 1.82%

Run 9: Report of PCC-Expr — Data Link

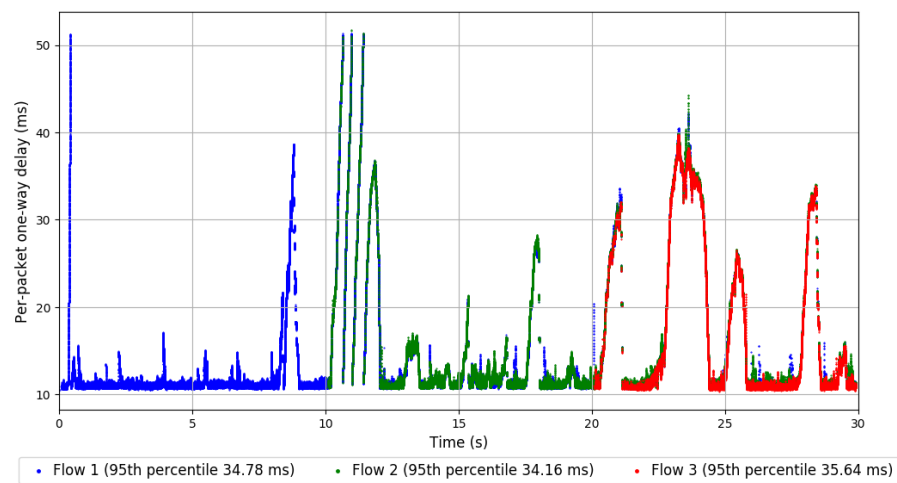
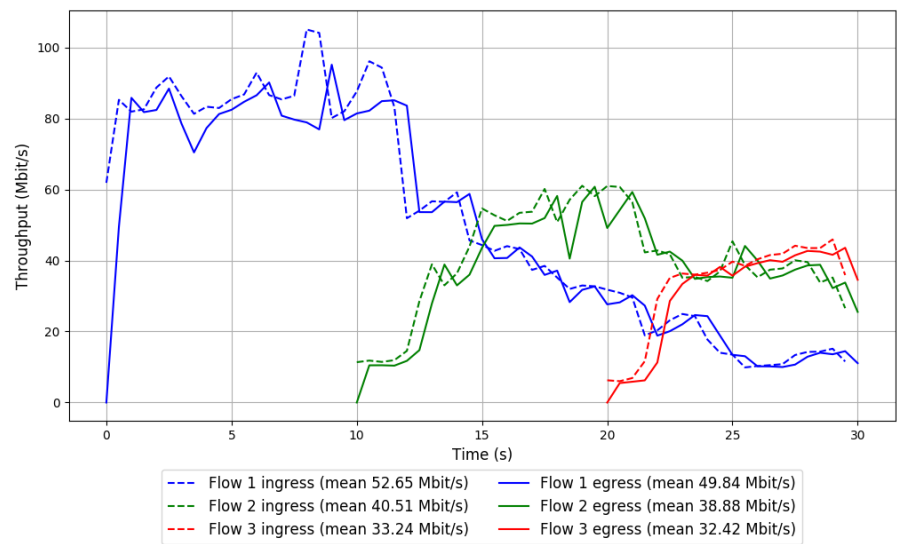


Run 10: Statistics of PCC-Expr

Start at: 2018-06-30 00:01:47
End at: 2018-06-30 00:02:17
Local clock offset: 0.595 ms
Remote clock offset: -5.879 ms

Below is generated by plot.py at 2018-06-30 00:28:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.40 Mbit/s
95th percentile per-packet one-way delay: 34.707 ms
Loss rate: 4.61%
-- Flow 1:
Average throughput: 49.84 Mbit/s
95th percentile per-packet one-way delay: 34.785 ms
Loss rate: 5.35%
-- Flow 2:
Average throughput: 38.88 Mbit/s
95th percentile per-packet one-way delay: 34.160 ms
Loss rate: 4.04%
-- Flow 3:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 35.643 ms
Loss rate: 2.46%

Run 10: Report of PCC-Expr — Data Link

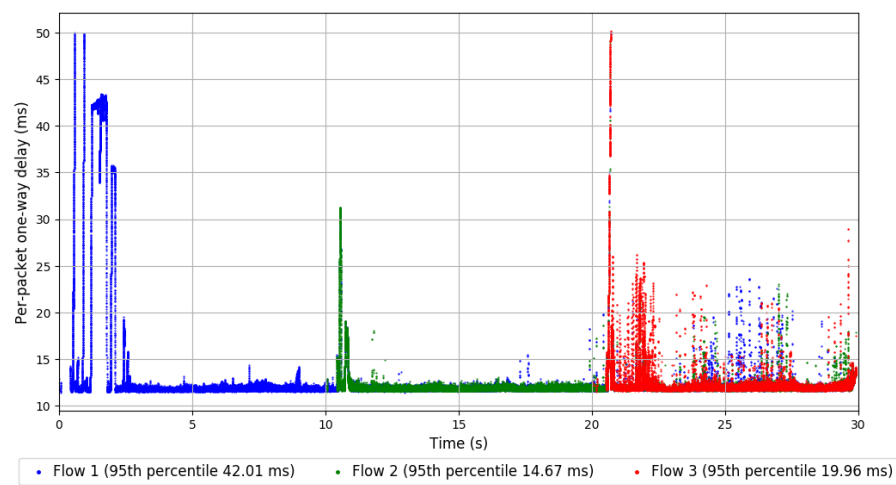
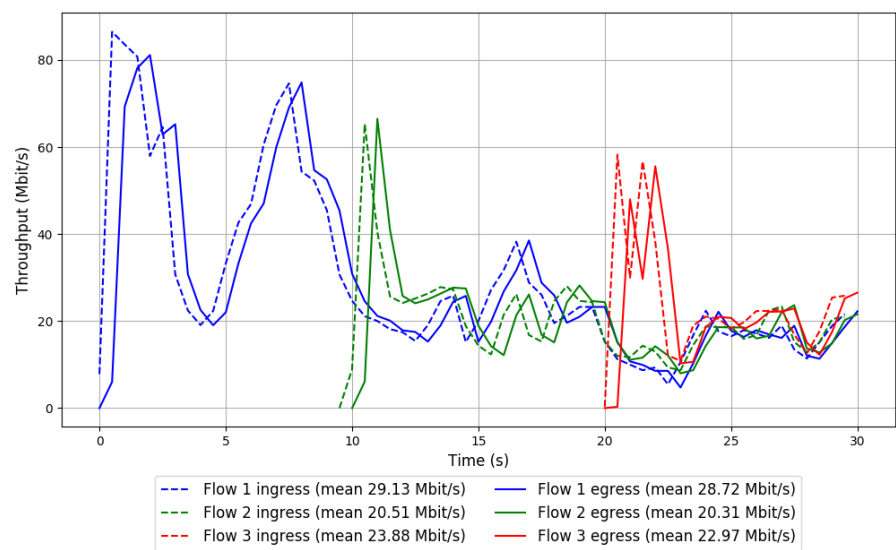


Run 1: Statistics of QUIC Cubic

Start at: 2018-06-29 21:10:16
End at: 2018-06-29 21:10:46
Local clock offset: -0.911 ms
Remote clock offset: -7.631 ms

Below is generated by plot.py at 2018-06-30 00:28:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.82 Mbit/s
95th percentile per-packet one-way delay: 34.543 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 28.72 Mbit/s
95th percentile per-packet one-way delay: 42.011 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 20.31 Mbit/s
95th percentile per-packet one-way delay: 14.671 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 22.97 Mbit/s
95th percentile per-packet one-way delay: 19.959 ms
Loss rate: 3.76%

Run 1: Report of QUIC Cubic — Data Link

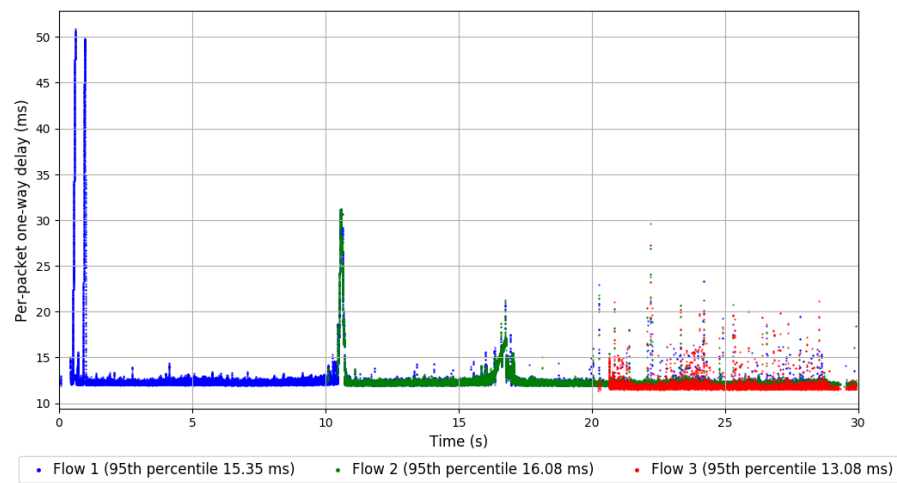
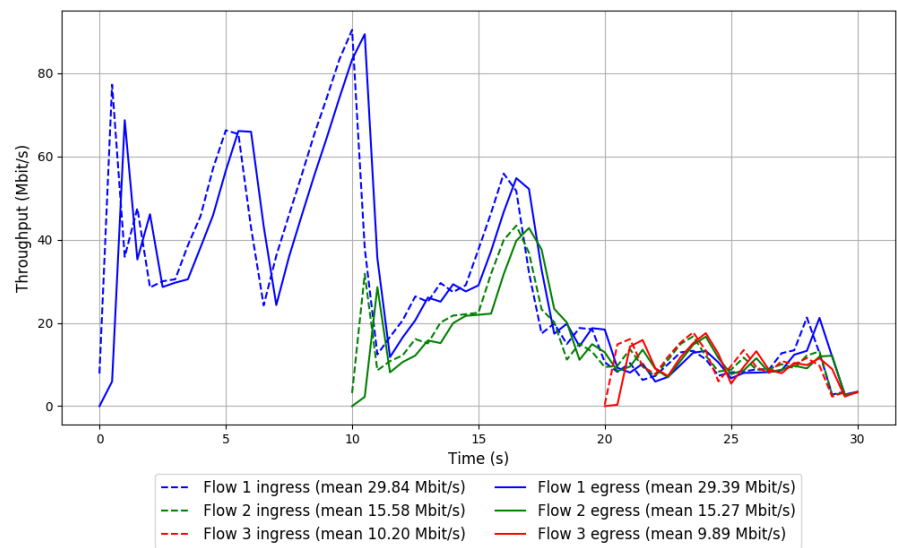


Run 2: Statistics of QUIC Cubic

Start at: 2018-06-29 21:29:41
End at: 2018-06-29 21:30:11
Local clock offset: -2.35 ms
Remote clock offset: -7.157 ms

Below is generated by plot.py at 2018-06-30 00:28:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.81 Mbit/s
95th percentile per-packet one-way delay: 15.363 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 29.39 Mbit/s
95th percentile per-packet one-way delay: 15.351 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 15.27 Mbit/s
95th percentile per-packet one-way delay: 16.076 ms
Loss rate: 1.99%
-- Flow 3:
Average throughput: 9.89 Mbit/s
95th percentile per-packet one-way delay: 13.080 ms
Loss rate: 3.07%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-29 21:49:15

End at: 2018-06-29 21:49:45

Local clock offset: -1.743 ms

Remote clock offset: -5.23 ms

Below is generated by plot.py at 2018-06-30 00:28:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.18 Mbit/s

95th percentile per-packet one-way delay: 45.250 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 42.20 Mbit/s

95th percentile per-packet one-way delay: 43.385 ms

Loss rate: 0.97%

-- Flow 2:

Average throughput: 37.19 Mbit/s

95th percentile per-packet one-way delay: 45.479 ms

Loss rate: 0.49%

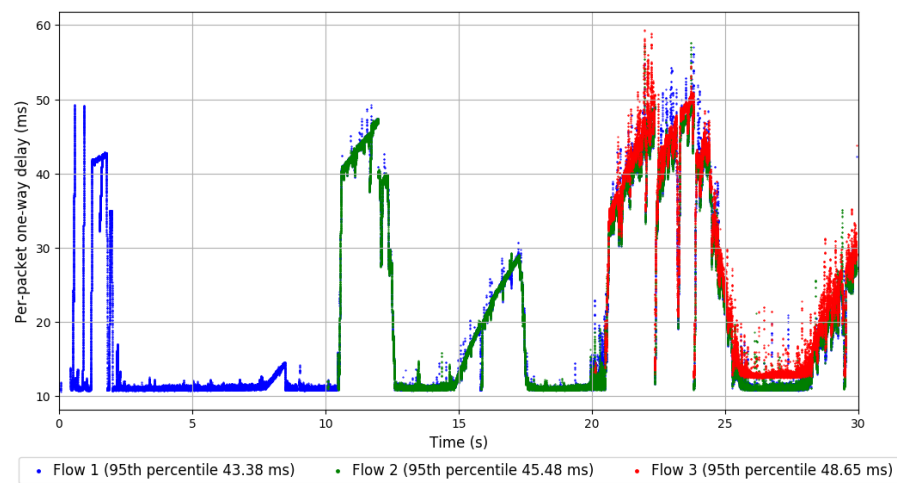
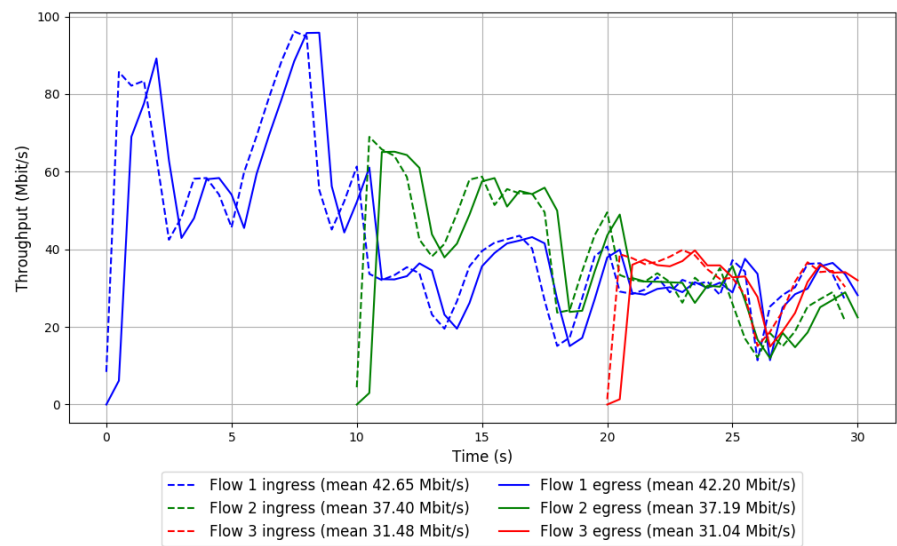
-- Flow 3:

Average throughput: 31.04 Mbit/s

95th percentile per-packet one-way delay: 48.654 ms

Loss rate: 1.10%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-29 22:09:01

End at: 2018-06-29 22:09:31

Local clock offset: 3.61 ms

Remote clock offset: 0.975 ms

Below is generated by plot.py at 2018-06-30 00:28:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.54 Mbit/s

95th percentile per-packet one-way delay: 12.749 ms

Loss rate: 1.18%

-- Flow 1:

Average throughput: 32.44 Mbit/s

95th percentile per-packet one-way delay: 13.338 ms

Loss rate: 1.34%

-- Flow 2:

Average throughput: 25.85 Mbit/s

95th percentile per-packet one-way delay: 9.300 ms

Loss rate: 1.16%

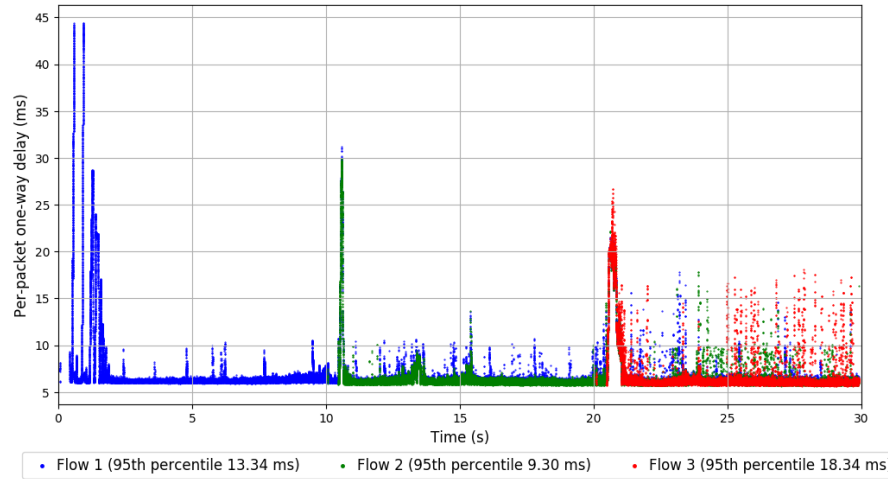
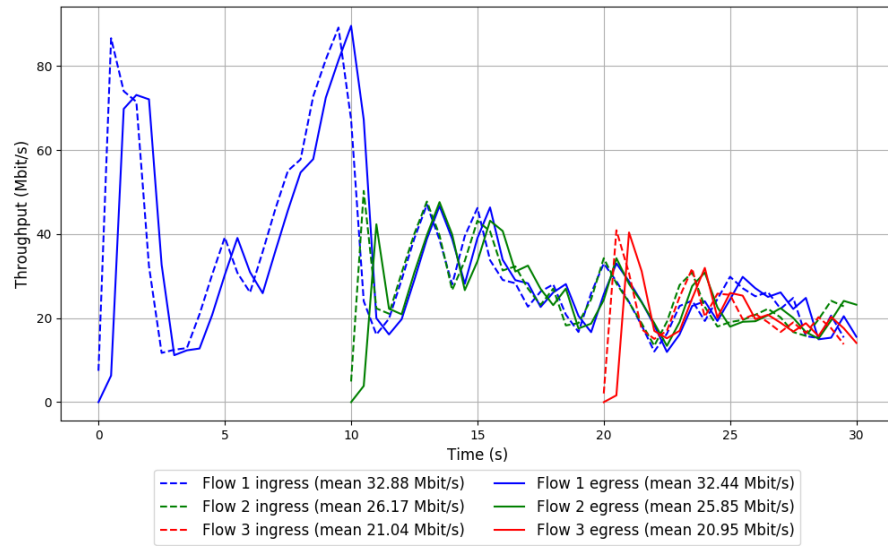
-- Flow 3:

Average throughput: 20.95 Mbit/s

95th percentile per-packet one-way delay: 18.344 ms

Loss rate: 0.46%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-29 22:28:33

End at: 2018-06-29 22:29:03

Local clock offset: 0.923 ms

Remote clock offset: 7.771 ms

Below is generated by plot.py at 2018-06-30 00:28:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.29 Mbit/s

95th percentile per-packet one-way delay: 13.764 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 29.77 Mbit/s

95th percentile per-packet one-way delay: 13.887 ms

Loss rate: 1.29%

-- Flow 2:

Average throughput: 20.31 Mbit/s

95th percentile per-packet one-way delay: 11.454 ms

Loss rate: 0.59%

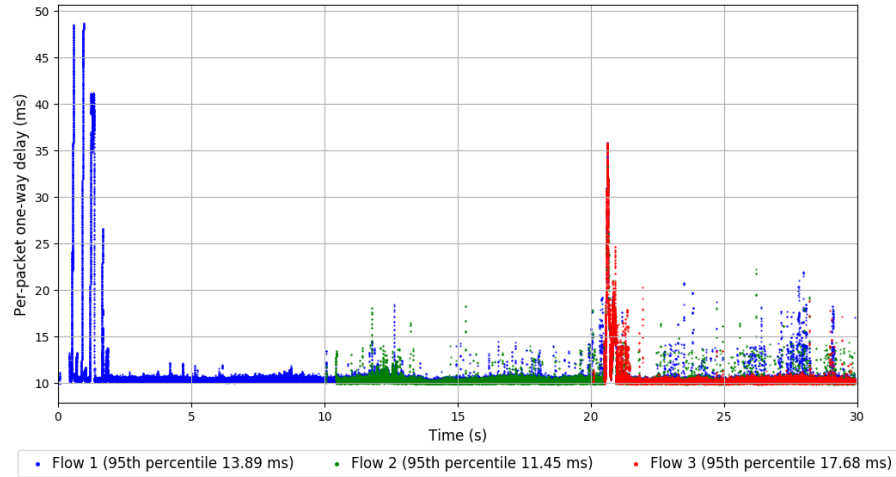
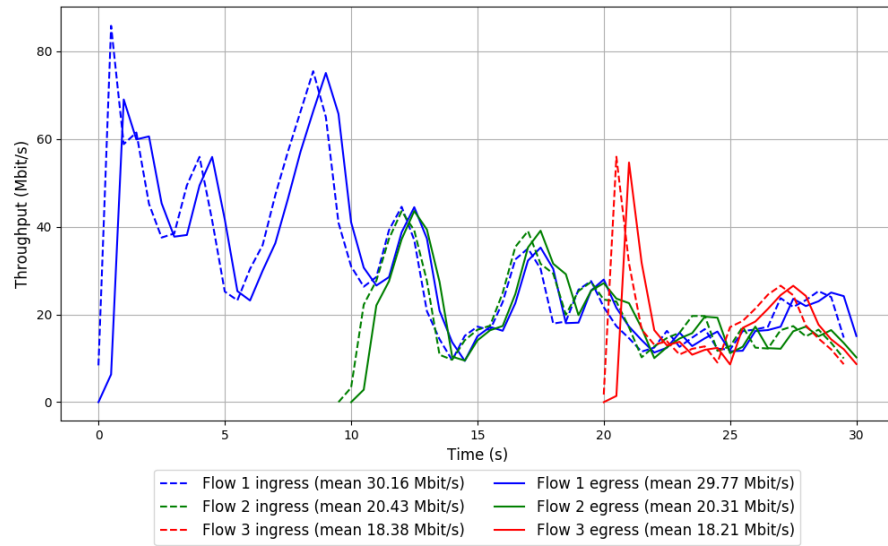
-- Flow 3:

Average throughput: 18.21 Mbit/s

95th percentile per-packet one-way delay: 17.682 ms

Loss rate: 0.96%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-29 22:48:02

End at: 2018-06-29 22:48:32

Local clock offset: 1.965 ms

Remote clock offset: 4.408 ms

Below is generated by plot.py at 2018-06-30 00:28:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.47 Mbit/s

95th percentile per-packet one-way delay: 25.244 ms

Loss rate: 1.85%

-- Flow 1:

Average throughput: 29.86 Mbit/s

95th percentile per-packet one-way delay: 30.903 ms

Loss rate: 1.48%

-- Flow 2:

Average throughput: 21.15 Mbit/s

95th percentile per-packet one-way delay: 15.227 ms

Loss rate: 1.96%

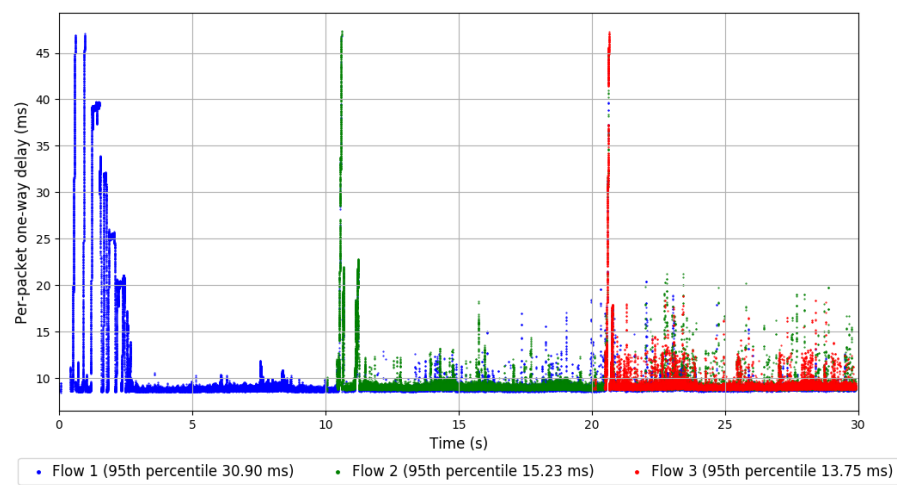
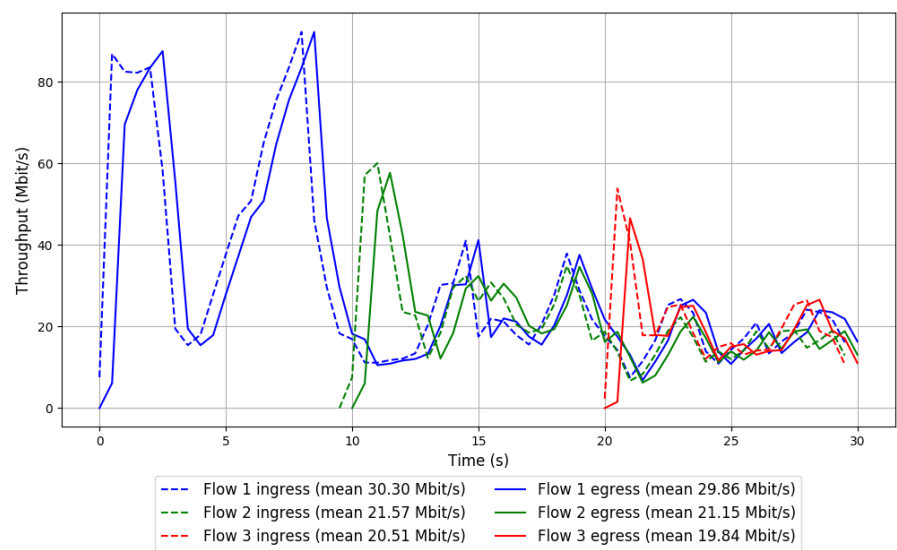
-- Flow 3:

Average throughput: 19.84 Mbit/s

95th percentile per-packet one-way delay: 13.746 ms

Loss rate: 3.26%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-06-29 23:07:36

End at: 2018-06-29 23:08:06

Local clock offset: 1.871 ms

Remote clock offset: 4.247 ms

Below is generated by plot.py at 2018-06-30 00:28:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.17 Mbit/s

95th percentile per-packet one-way delay: 11.761 ms

Loss rate: 1.90%

-- Flow 1:

Average throughput: 21.61 Mbit/s

95th percentile per-packet one-way delay: 17.740 ms

Loss rate: 2.12%

-- Flow 2:

Average throughput: 18.96 Mbit/s

95th percentile per-packet one-way delay: 10.030 ms

Loss rate: 1.73%

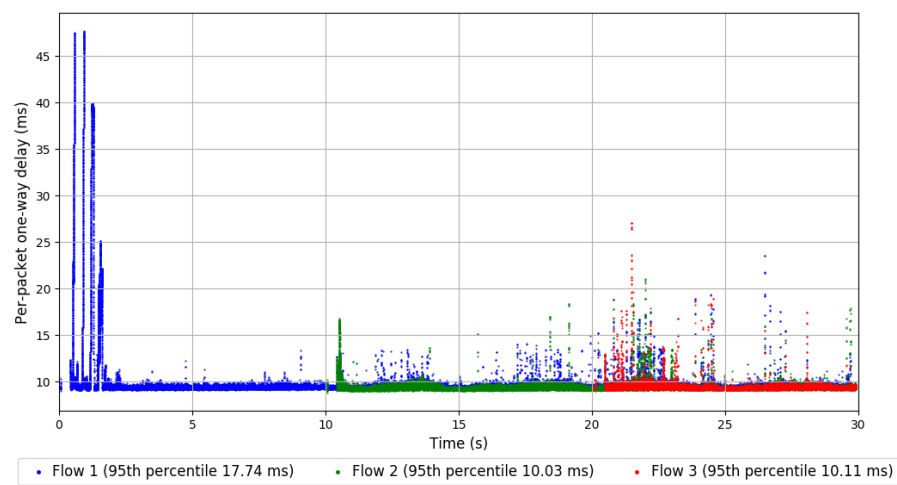
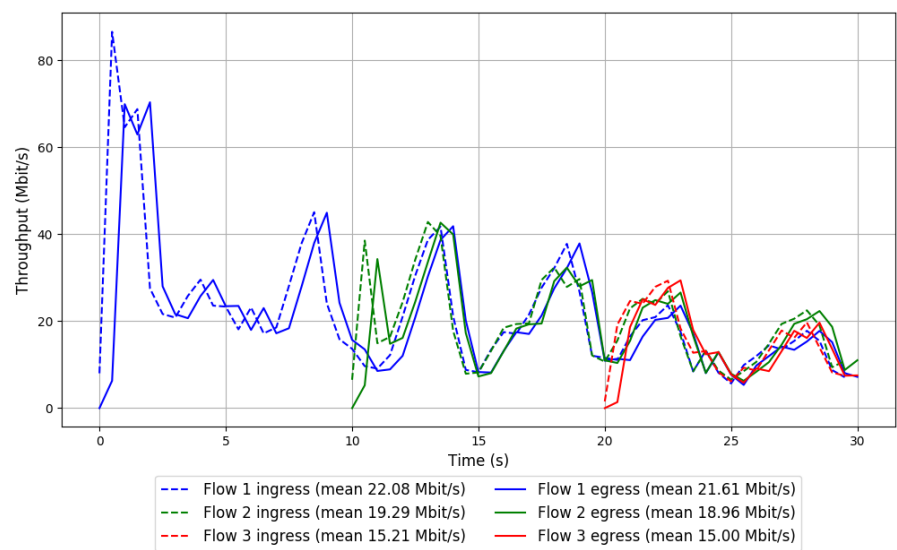
-- Flow 3:

Average throughput: 15.00 Mbit/s

95th percentile per-packet one-way delay: 10.108 ms

Loss rate: 1.38%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-29 23:27:12

End at: 2018-06-29 23:27:42

Local clock offset: 1.627 ms

Remote clock offset: 1.962 ms

Below is generated by plot.py at 2018-06-30 00:28:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.10 Mbit/s

95th percentile per-packet one-way delay: 42.014 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 29.70 Mbit/s

95th percentile per-packet one-way delay: 42.455 ms

Loss rate: 1.36%

-- Flow 2:

Average throughput: 19.04 Mbit/s

95th percentile per-packet one-way delay: 13.489 ms

Loss rate: 0.84%

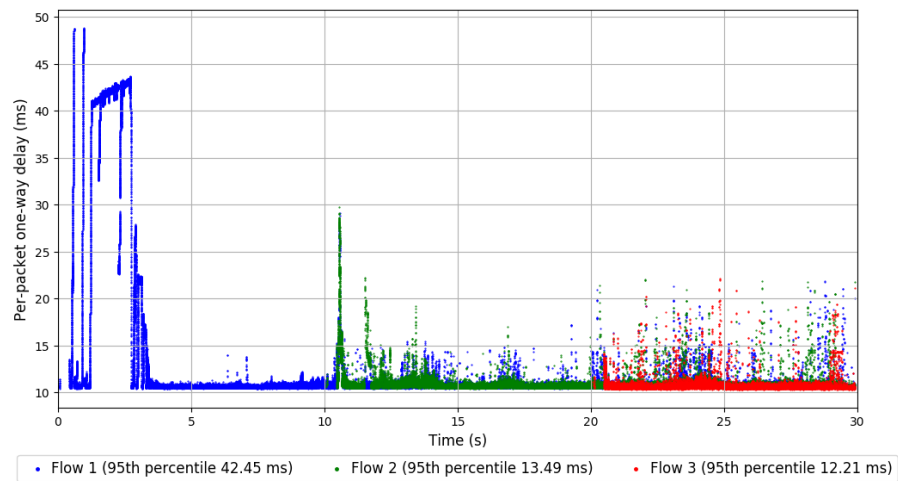
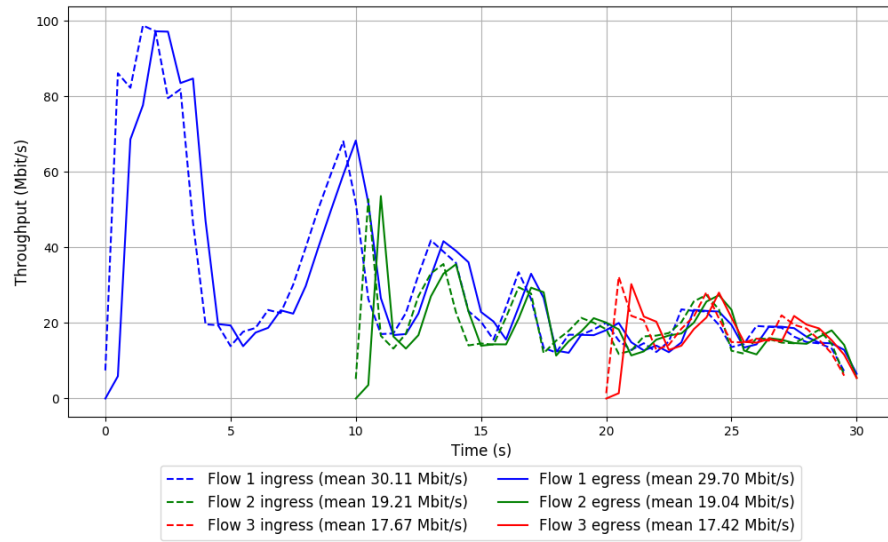
-- Flow 3:

Average throughput: 17.42 Mbit/s

95th percentile per-packet one-way delay: 12.209 ms

Loss rate: 1.30%

Run 8: Report of QUIC Cubic — Data Link

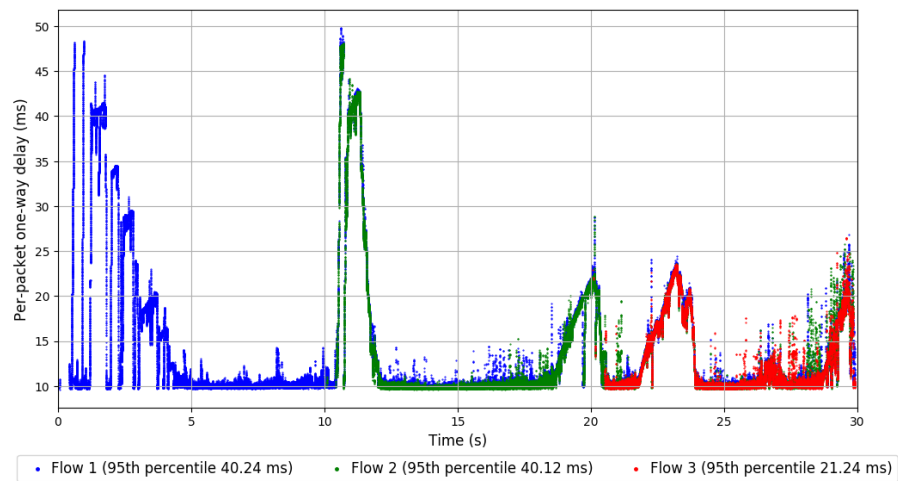
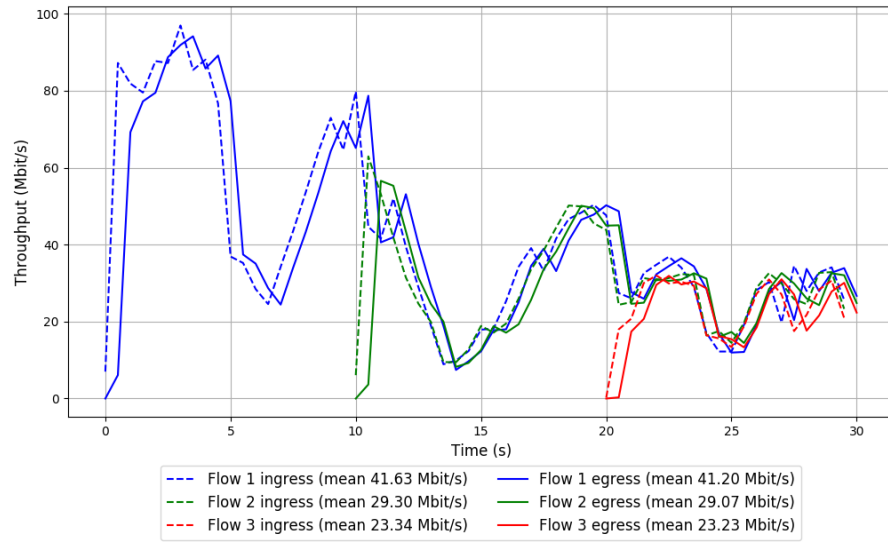


Run 9: Statistics of QUIC Cubic

Start at: 2018-06-29 23:46:56
End at: 2018-06-29 23:47:27
Local clock offset: 2.171 ms
Remote clock offset: -2.246 ms

Below is generated by plot.py at 2018-06-30 00:28:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.16 Mbit/s
95th percentile per-packet one-way delay: 39.539 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 41.20 Mbit/s
95th percentile per-packet one-way delay: 40.242 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 29.07 Mbit/s
95th percentile per-packet one-way delay: 40.117 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 23.23 Mbit/s
95th percentile per-packet one-way delay: 21.240 ms
Loss rate: 0.57%

Run 9: Report of QUIC Cubic — Data Link

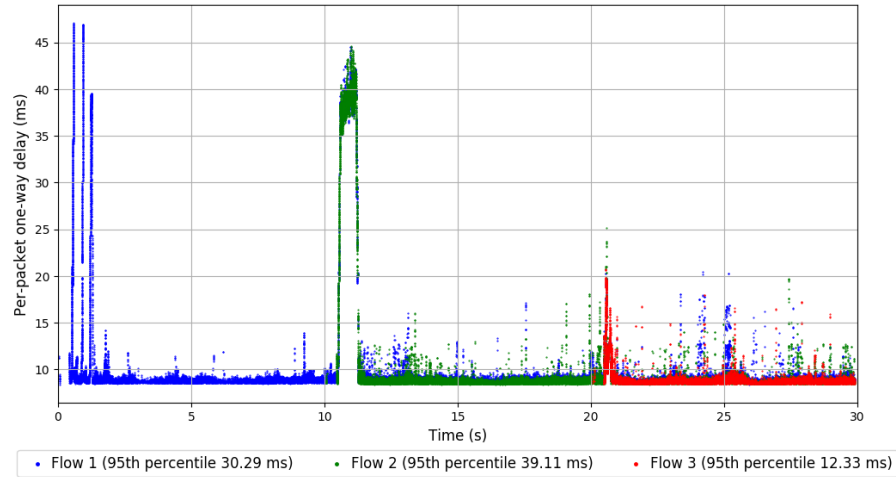
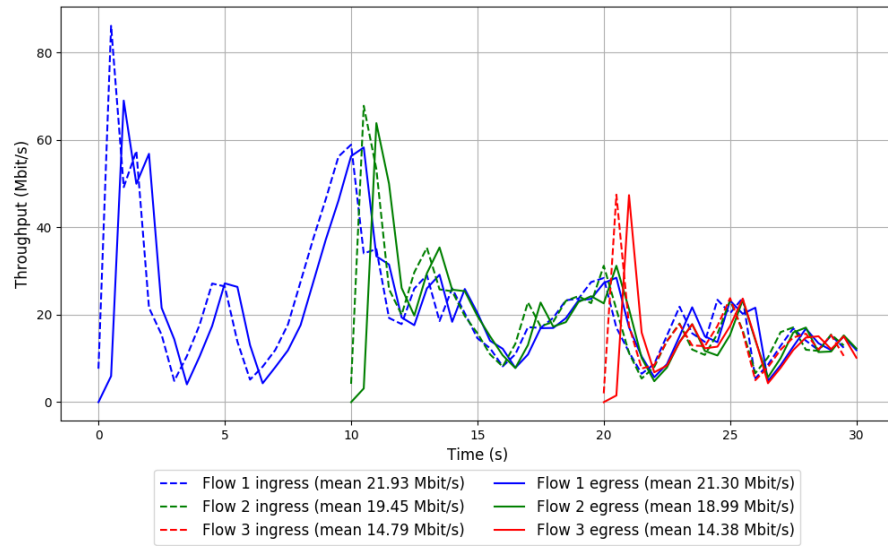


Run 10: Statistics of QUIC Cubic

Start at: 2018-06-30 00:06:35
End at: 2018-06-30 00:07:05
Local clock offset: 2.146 ms
Remote clock offset: -6.884 ms

Below is generated by plot.py at 2018-06-30 00:28:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.67 Mbit/s
95th percentile per-packet one-way delay: 37.343 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 21.30 Mbit/s
95th percentile per-packet one-way delay: 30.294 ms
Loss rate: 2.89%
-- Flow 2:
Average throughput: 18.99 Mbit/s
95th percentile per-packet one-way delay: 39.109 ms
Loss rate: 2.37%
-- Flow 3:
Average throughput: 14.38 Mbit/s
95th percentile per-packet one-way delay: 12.330 ms
Loss rate: 2.77%

Run 10: Report of QUIC Cubic — Data Link

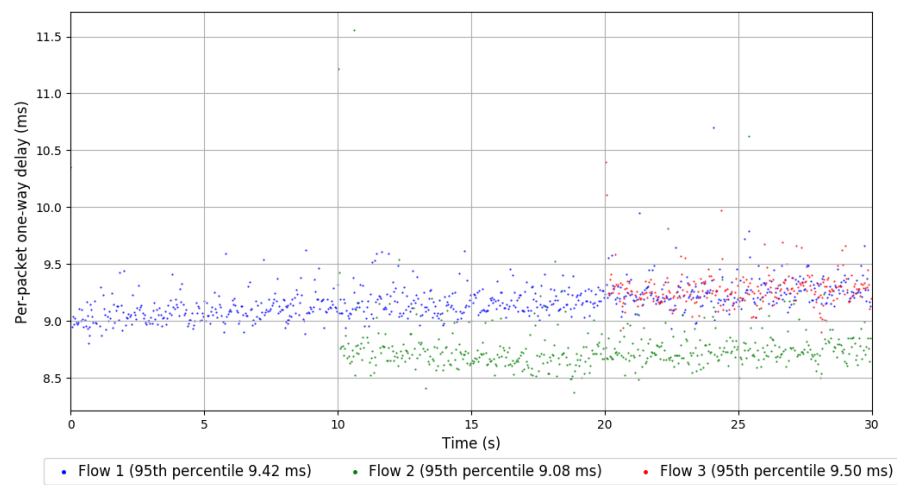
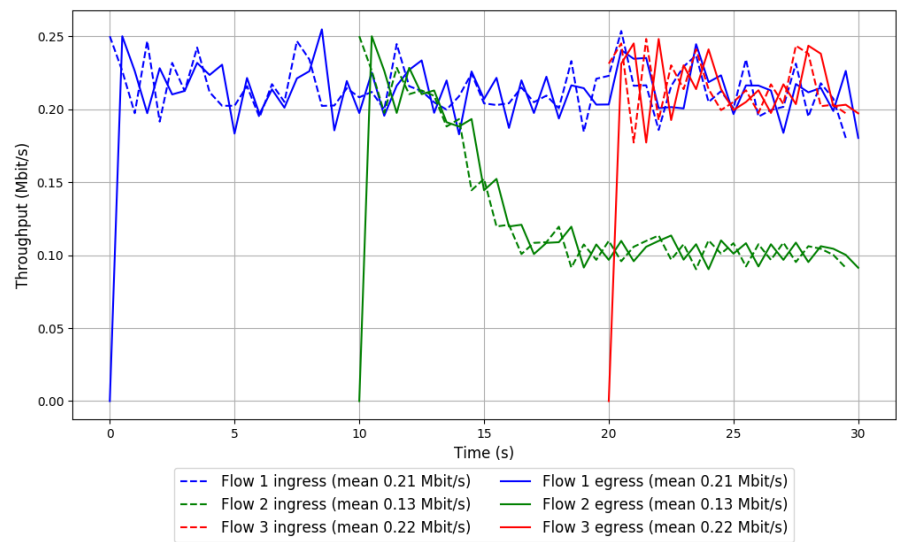


```
Run 1: Statistics of SCReAM

Start at: 2018-06-29 21:00:53
End at: 2018-06-29 21:01:23
Local clock offset: 2.083 ms
Remote clock offset: -4.44 ms

# Below is generated by plot.py at 2018-06-30 00:28:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 9.402 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.417 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 9.081 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 9.503 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: 2018-06-29 21:20:27

End at: 2018-06-29 21:20:57

Local clock offset: 0.332 ms

Remote clock offset: -9.44 ms

Below is generated by plot.py at 2018-06-30 00:28:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 9.806 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.808 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.808 ms

Loss rate: 0.00%

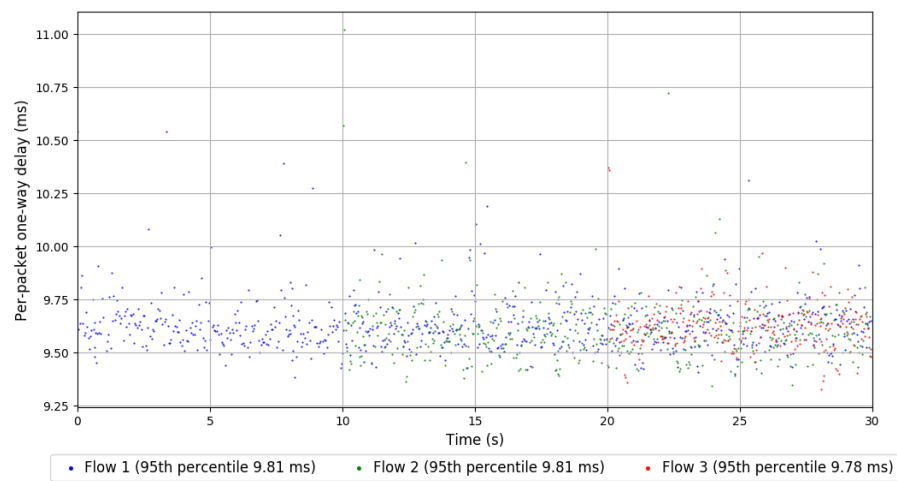
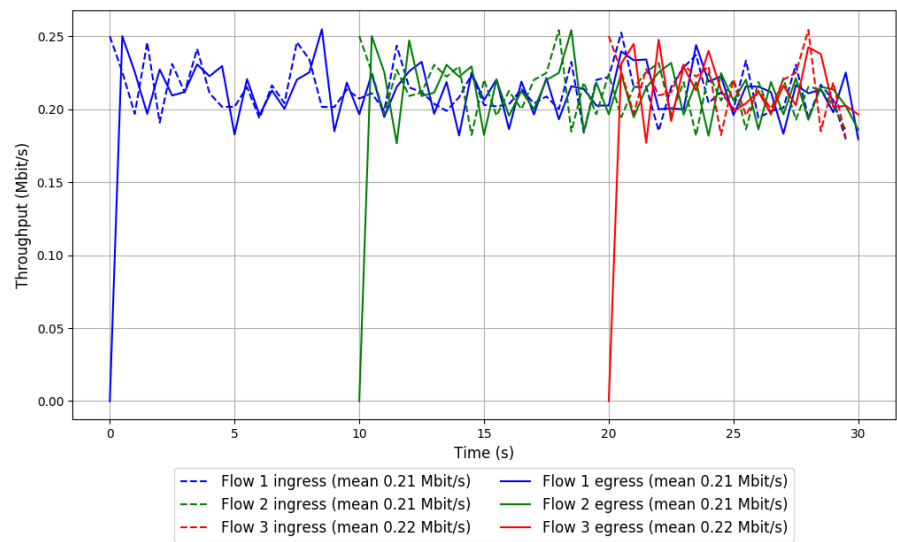
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 9.784 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

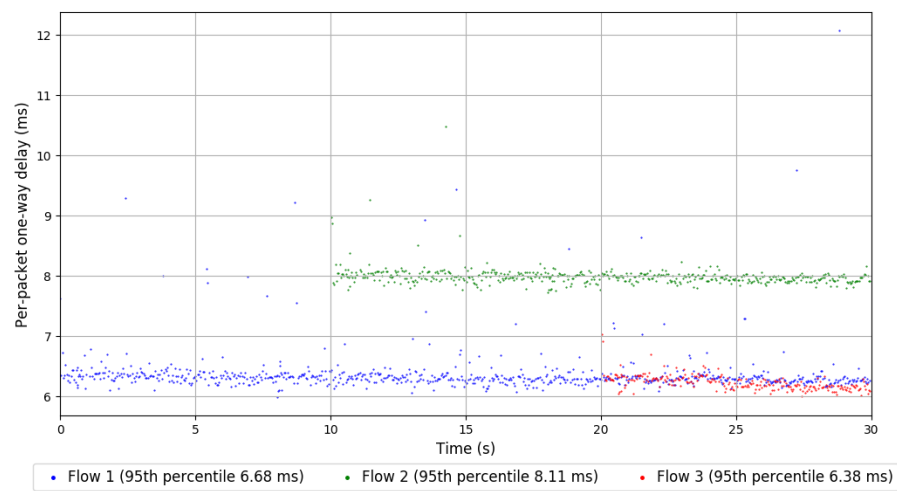
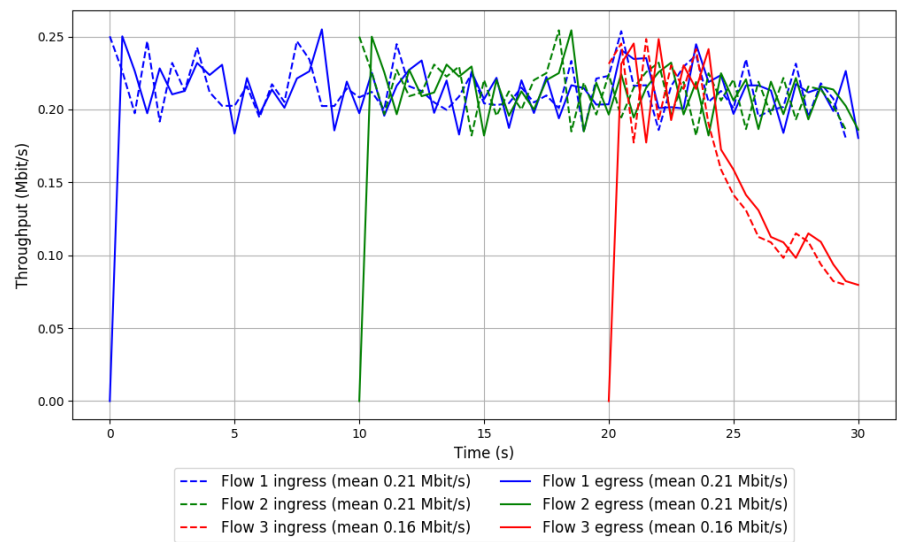


Run 3: Statistics of SReAM

Start at: 2018-06-29 21:39:51
End at: 2018-06-29 21:40:21
Local clock offset: 1.653 ms
Remote clock offset: -6.606 ms

Below is generated by plot.py at 2018-06-30 00:28:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 8.065 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 6.678 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 8.111 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 6.378 ms
Loss rate: 0.55%

Run 3: Report of SReAM — Data Link

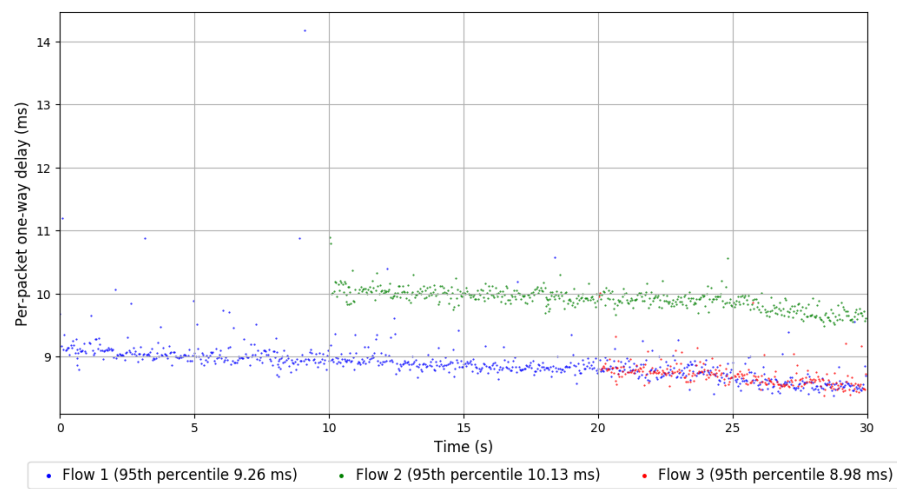
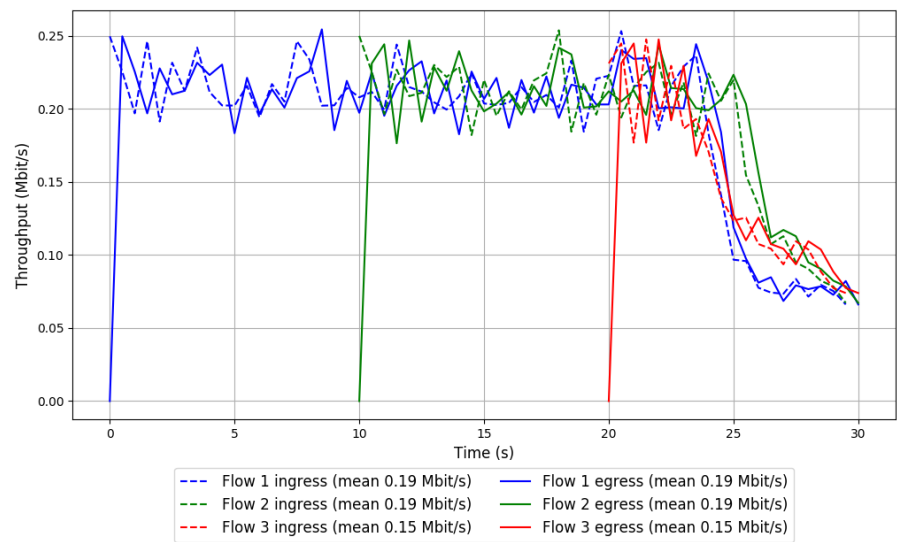


Run 4: Statistics of SCReAM

Start at: 2018-06-29 21:59:40
End at: 2018-06-29 22:00:10
Local clock offset: 1.935 ms
Remote clock offset: -3.147 ms

Below is generated by plot.py at 2018-06-30 00:28:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 10.064 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 9.256 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 10.133 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 8.979 ms
Loss rate: 1.45%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-06-29 22:19:13

End at: 2018-06-29 22:19:43

Local clock offset: 2.168 ms

Remote clock offset: 5.253 ms

Below is generated by plot.py at 2018-06-30 00:28:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 8.822 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 8.870 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 8.651 ms

Loss rate: 0.00%

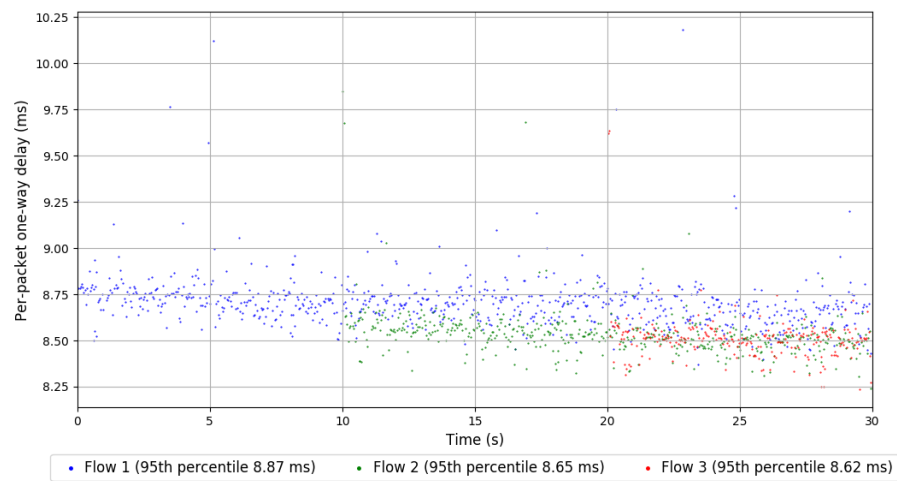
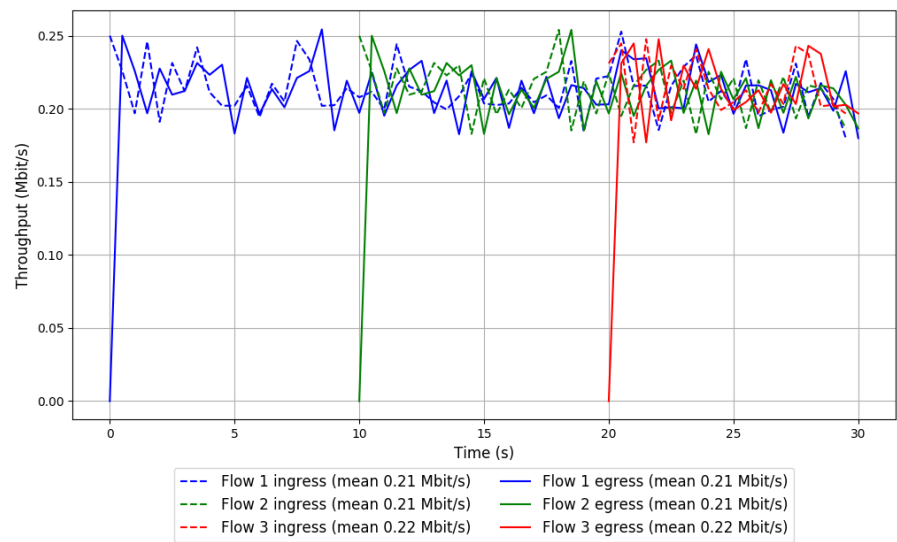
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 8.625 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-06-29 22:38:46

End at: 2018-06-29 22:39:16

Local clock offset: 2.22 ms

Remote clock offset: 5.951 ms

Below is generated by plot.py at 2018-06-30 00:28:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 9.137 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 9.082 ms

Loss rate: 1.51%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.211 ms

Loss rate: 0.00%

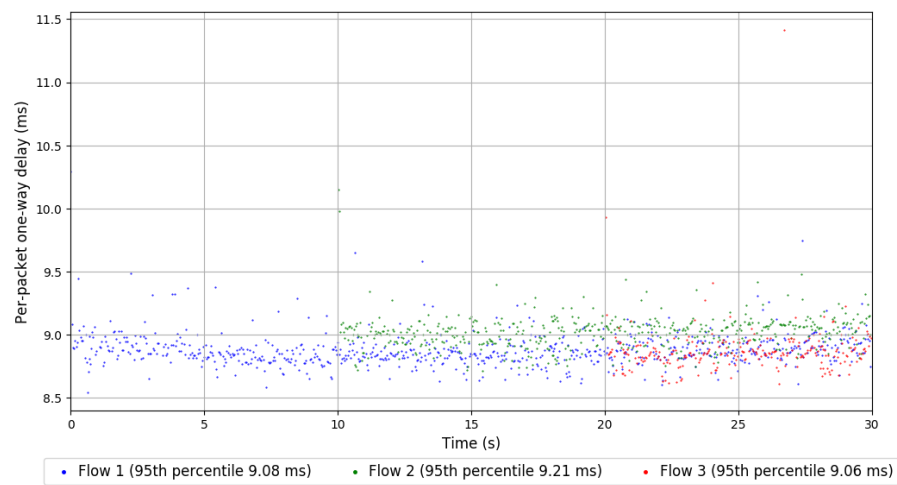
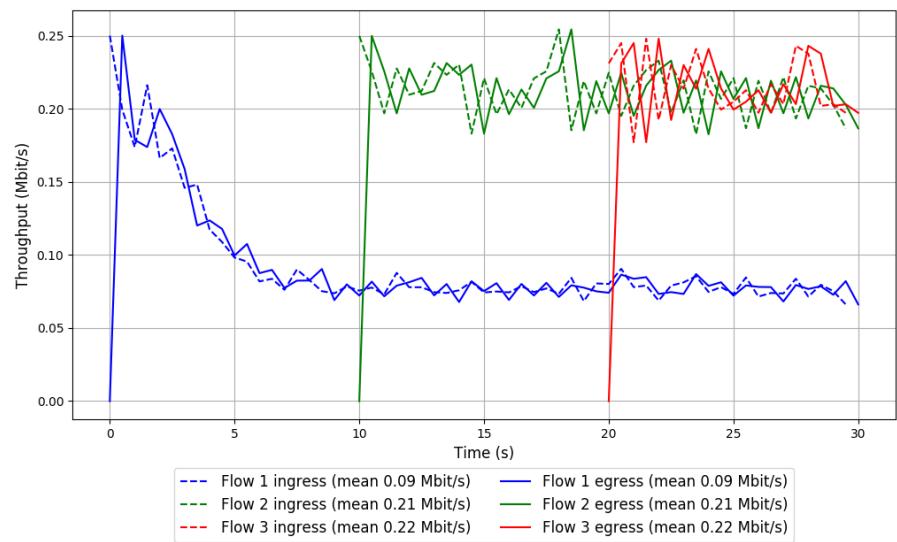
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 9.057 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-06-29 22:58:15

End at: 2018-06-29 22:58:45

Local clock offset: 1.709 ms

Remote clock offset: 4.425 ms

Below is generated by plot.py at 2018-06-30 00:28:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 9.771 ms

Loss rate: 0.97%

-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 9.794 ms

Loss rate: 0.84%

-- Flow 2:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 9.650 ms

Loss rate: 0.87%

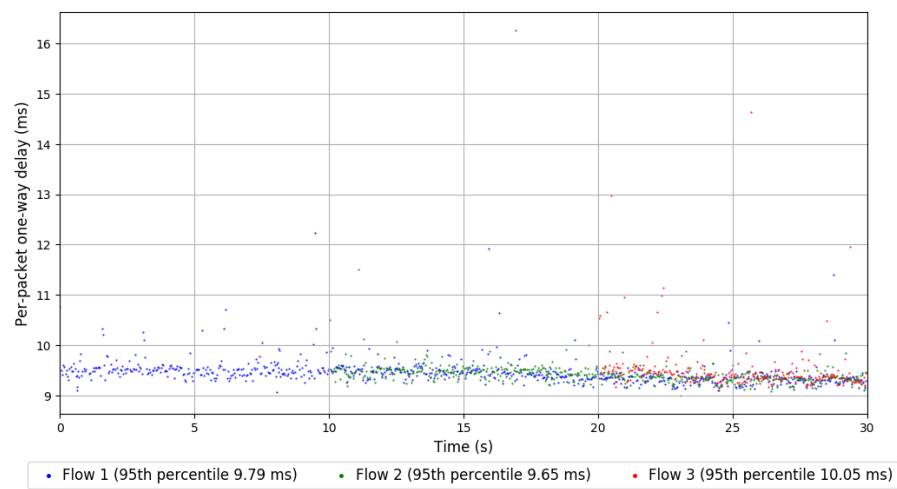
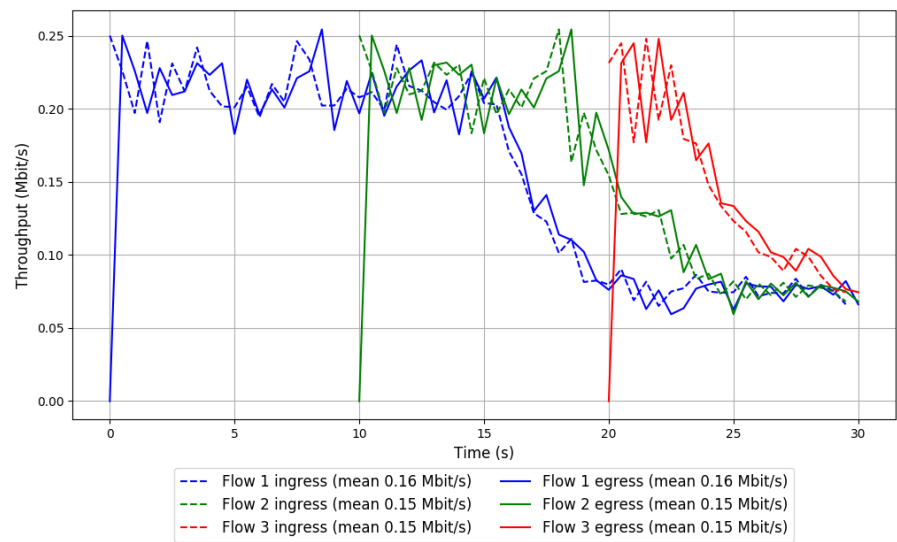
-- Flow 3:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 10.053 ms

Loss rate: 1.57%

Run 7: Report of SCRaM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-06-29 23:17:55

End at: 2018-06-29 23:18:25

Local clock offset: 1.344 ms

Remote clock offset: 2.034 ms

Below is generated by plot.py at 2018-06-30 00:28:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 10.183 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 10.132 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.222 ms

Loss rate: 0.00%

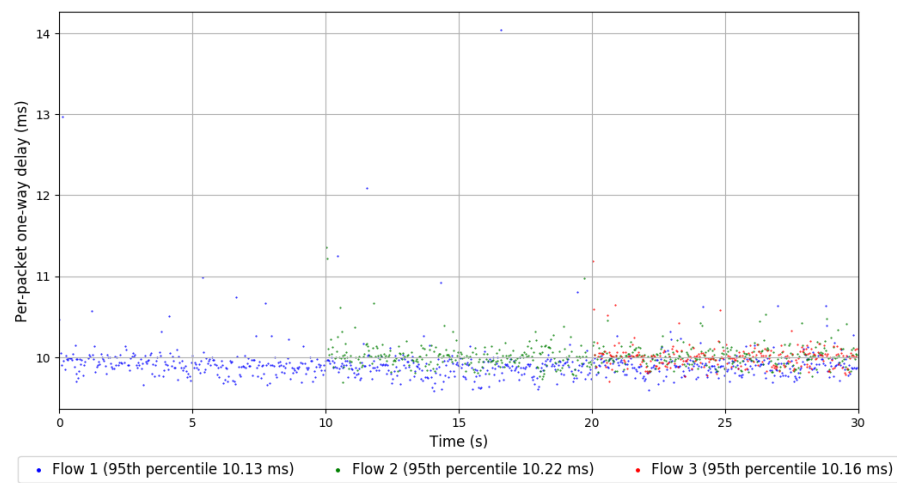
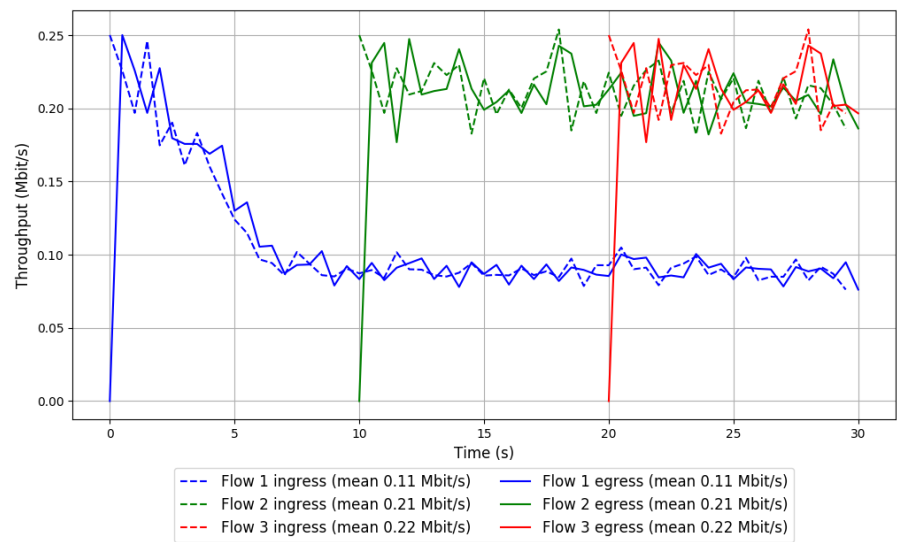
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 10.162 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-06-29 23:37:36

End at: 2018-06-29 23:38:06

Local clock offset: 1.178 ms

Remote clock offset: 1.371 ms

Below is generated by plot.py at 2018-06-30 00:28:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 11.287 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 11.076 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 11.492 ms

Loss rate: 0.00%

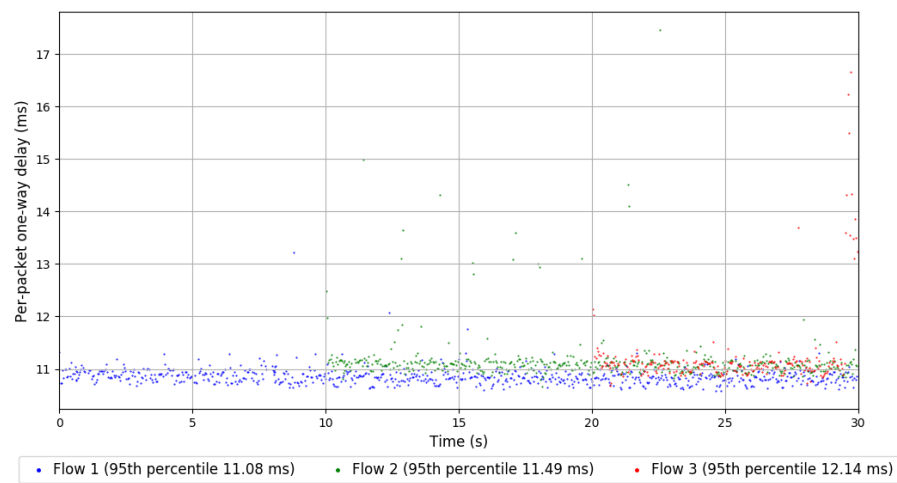
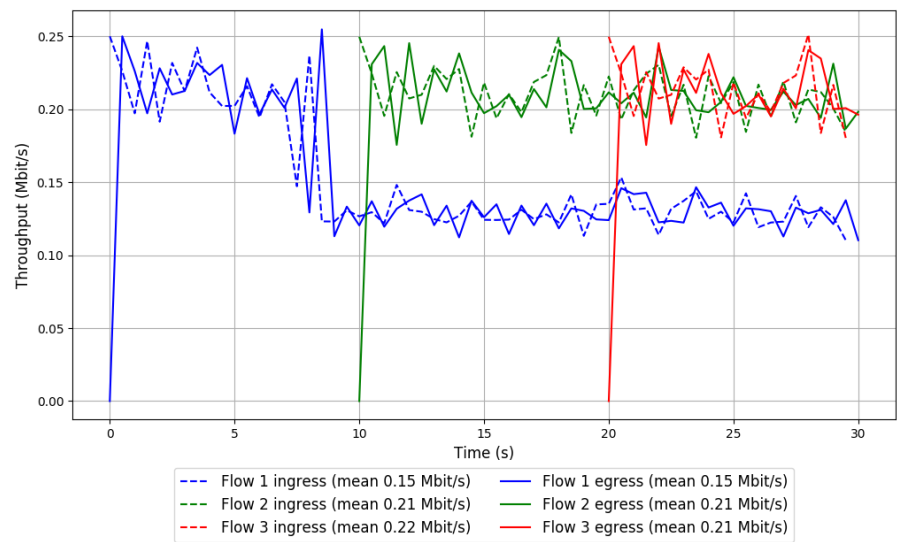
-- Flow 3:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 12.136 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

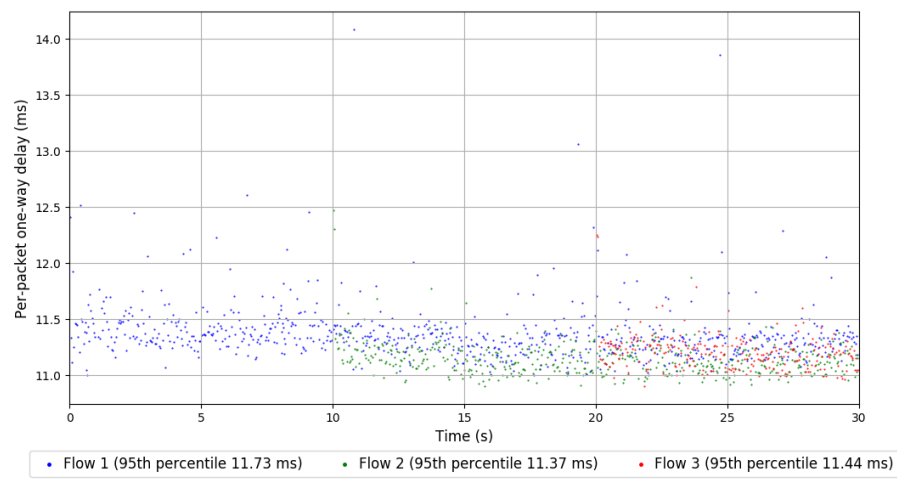
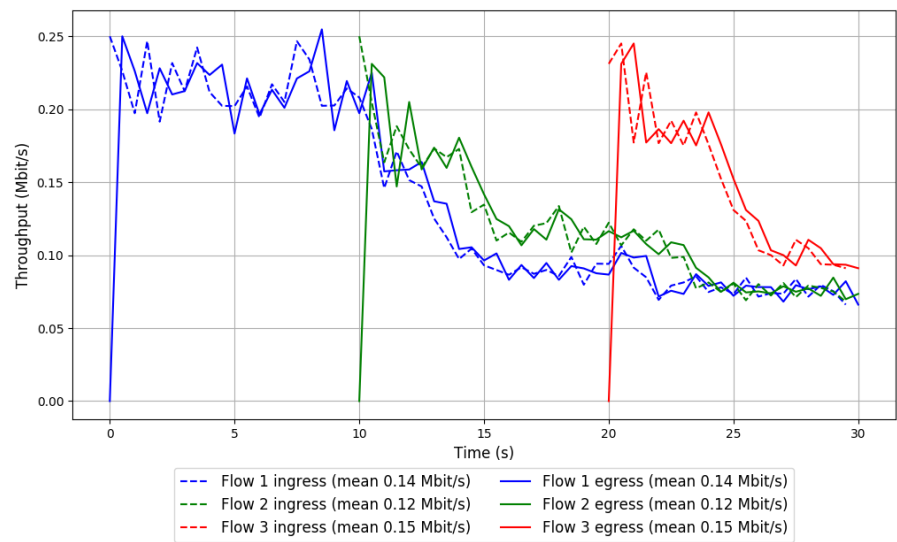


Run 10: Statistics of SReAM

Start at: 2018-06-29 23:57:16
End at: 2018-06-29 23:57:46
Local clock offset: 0.413 ms
Remote clock offset: -4.838 ms

Below is generated by plot.py at 2018-06-30 00:28:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 11.606 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 11.733 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 11.373 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 11.443 ms
Loss rate: 1.30%

Run 10: Report of SReAM — Data Link

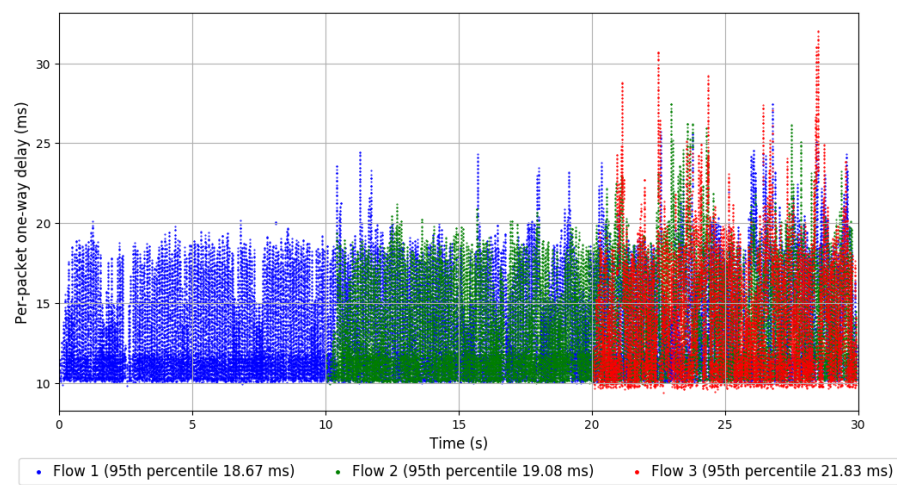
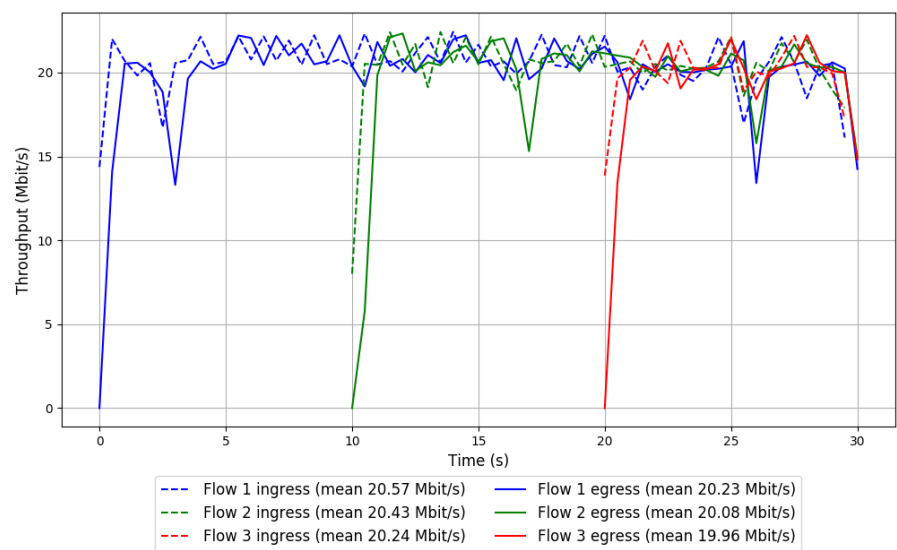


Run 1: Statistics of Sprout

Start at: 2018-06-29 21:13:44
End at: 2018-06-29 21:14:14
Local clock offset: 1.356 ms
Remote clock offset: -7.399 ms

Below is generated by plot.py at 2018-06-30 00:28:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.17 Mbit/s
95th percentile per-packet one-way delay: 19.253 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 20.23 Mbit/s
95th percentile per-packet one-way delay: 18.666 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 20.08 Mbit/s
95th percentile per-packet one-way delay: 19.076 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 19.96 Mbit/s
95th percentile per-packet one-way delay: 21.833 ms
Loss rate: 1.33%

Run 1: Report of Sprout — Data Link

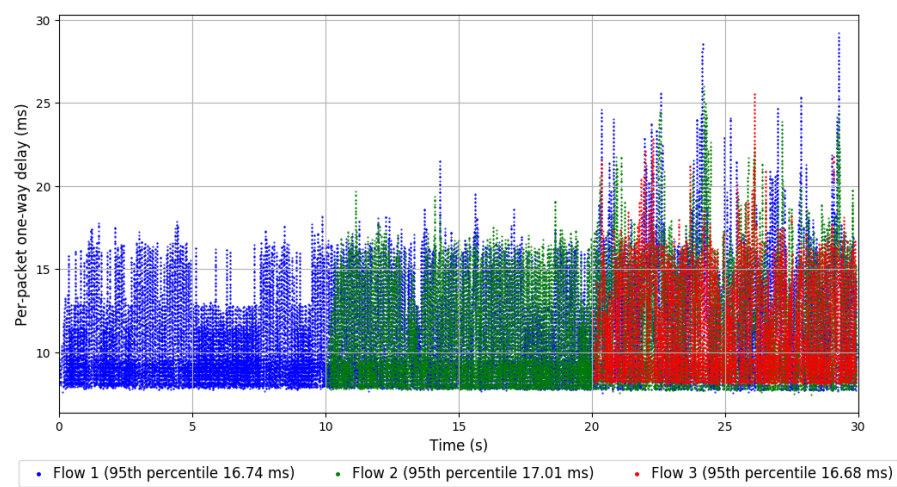
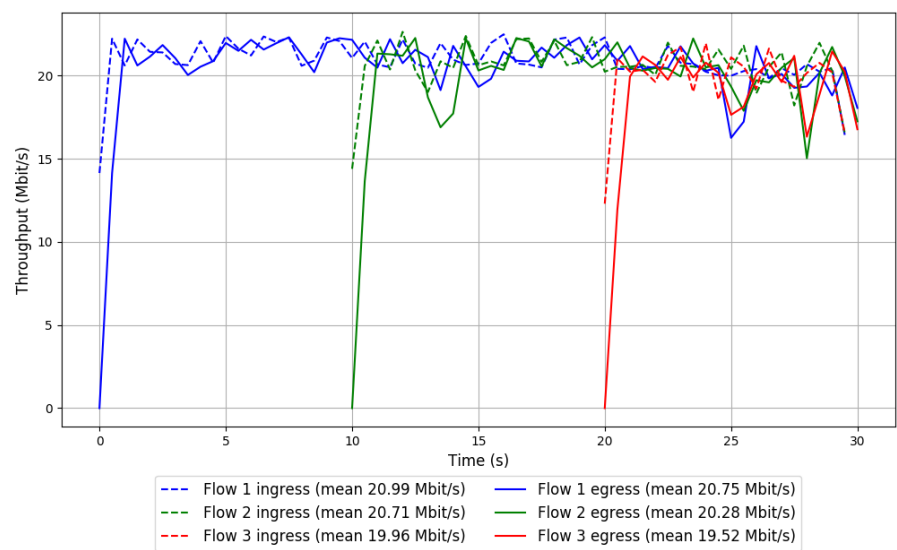


Run 2: Statistics of Sprout

Start at: 2018-06-29 21:33:07
End at: 2018-06-29 21:33:37
Local clock offset: 0.326 ms
Remote clock offset: -7.471 ms

Below is generated by plot.py at 2018-06-30 00:28:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.70 Mbit/s
95th percentile per-packet one-way delay: 16.835 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 20.75 Mbit/s
95th percentile per-packet one-way delay: 16.736 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 20.28 Mbit/s
95th percentile per-packet one-way delay: 17.006 ms
Loss rate: 2.07%
-- Flow 3:
Average throughput: 19.52 Mbit/s
95th percentile per-packet one-way delay: 16.676 ms
Loss rate: 2.20%

Run 2: Report of Sprout — Data Link

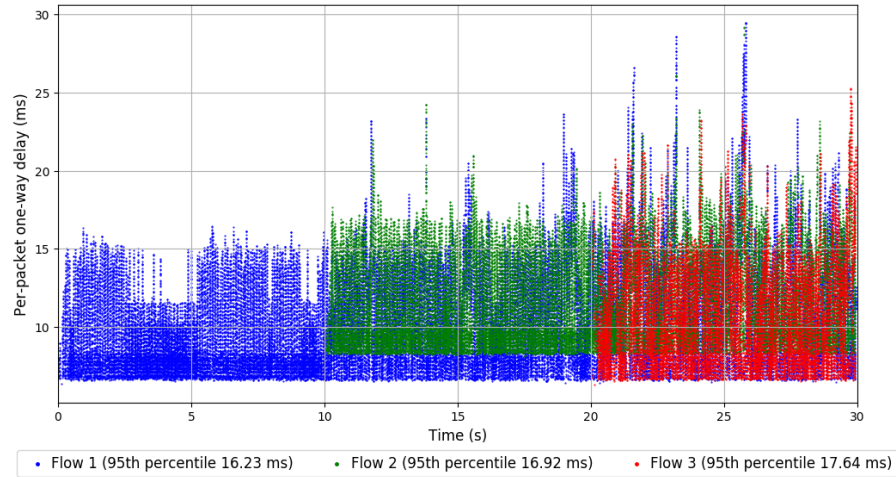
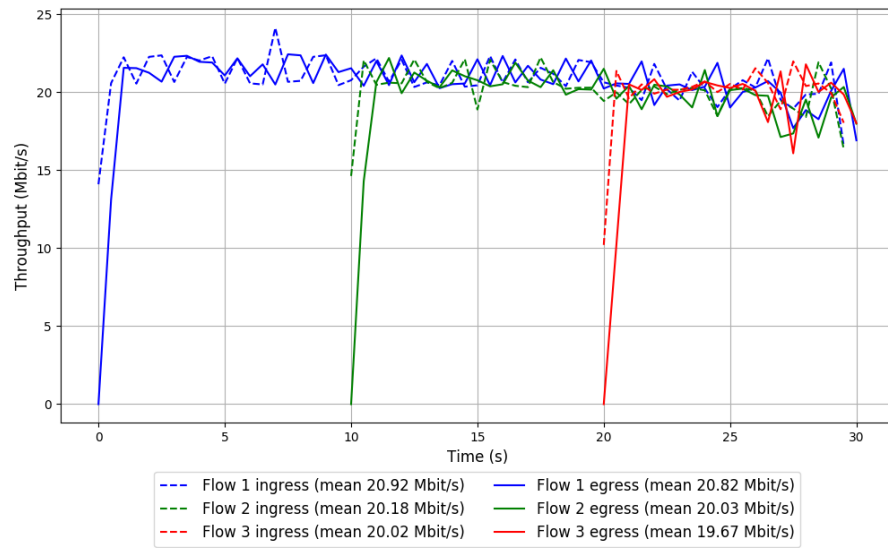


Run 3: Statistics of Sprout

Start at: 2018-06-29 21:52:46
End at: 2018-06-29 21:53:16
Local clock offset: 1.934 ms
Remote clock offset: -5.979 ms

Below is generated by plot.py at 2018-06-30 00:28:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 16.793 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 20.82 Mbit/s
95th percentile per-packet one-way delay: 16.230 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 20.03 Mbit/s
95th percentile per-packet one-way delay: 16.918 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 19.67 Mbit/s
95th percentile per-packet one-way delay: 17.644 ms
Loss rate: 1.58%

Run 3: Report of Sprout — Data Link

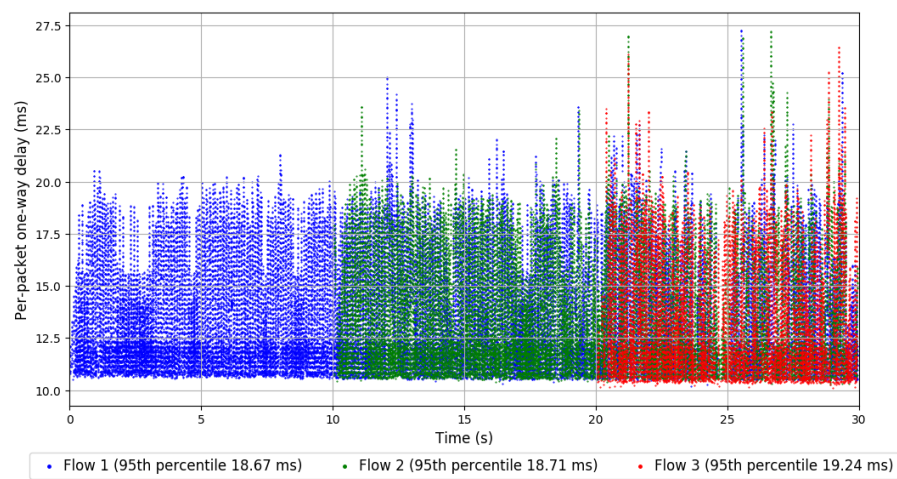
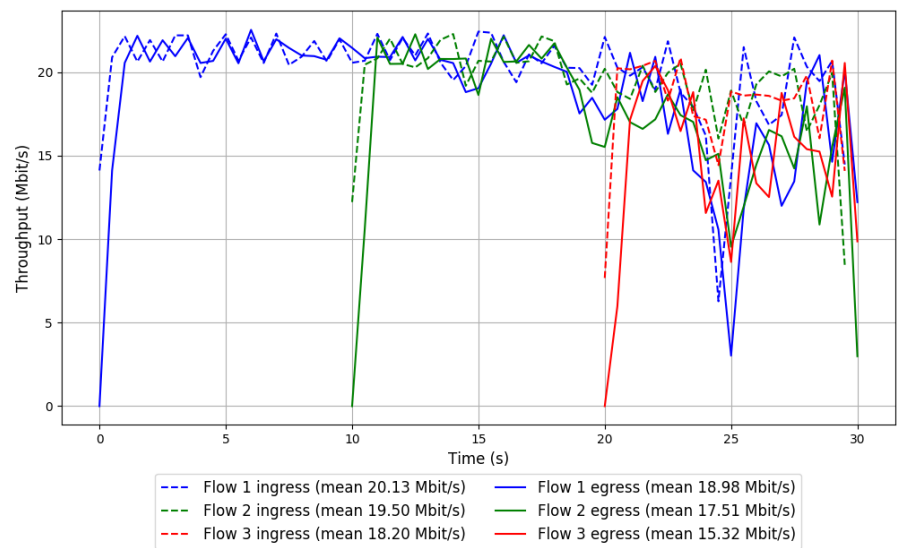


Run 4: Statistics of Sprout

Start at: 2018-06-29 22:12:29
End at: 2018-06-29 22:12:59
Local clock offset: 0.928 ms
Remote clock offset: 3.99 ms

```
# Below is generated by plot.py at 2018-06-30 00:28:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 35.68 Mbit/s
95th percentile per-packet one-way delay: 18.735 ms
Loss rate: 8.75%
-- Flow 1:
Average throughput: 18.98 Mbit/s
95th percentile per-packet one-way delay: 18.666 ms
Loss rate: 5.71%
-- Flow 2:
Average throughput: 17.51 Mbit/s
95th percentile per-packet one-way delay: 18.712 ms
Loss rate: 10.19%
-- Flow 3:
Average throughput: 15.32 Mbit/s
95th percentile per-packet one-way delay: 19.244 ms
Loss rate: 15.81%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-06-29 22:32:01

End at: 2018-06-29 22:32:31

Local clock offset: 1.488 ms

Remote clock offset: 8.854 ms

Below is generated by plot.py at 2018-06-30 00:28:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.34 Mbit/s

95th percentile per-packet one-way delay: 19.241 ms

Loss rate: 3.37%

-- Flow 1:

Average throughput: 20.15 Mbit/s

95th percentile per-packet one-way delay: 18.537 ms

Loss rate: 2.40%

-- Flow 2:

Average throughput: 19.54 Mbit/s

95th percentile per-packet one-way delay: 19.615 ms

Loss rate: 3.73%

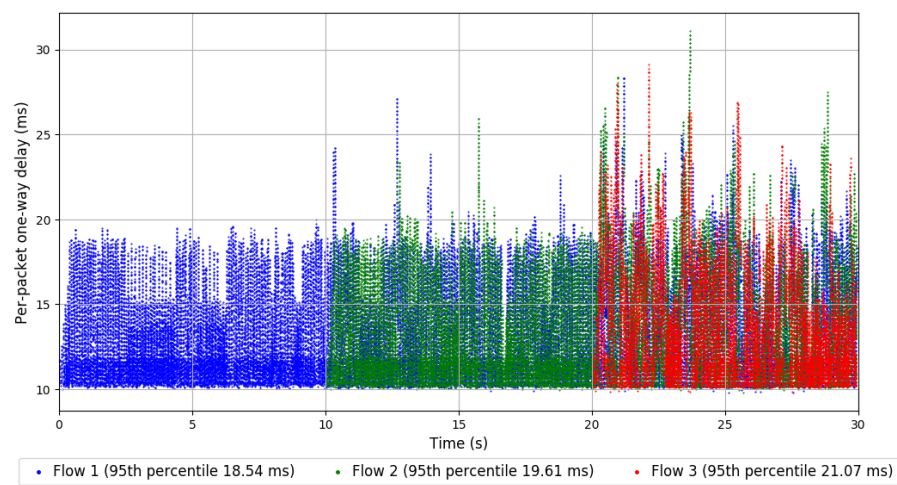
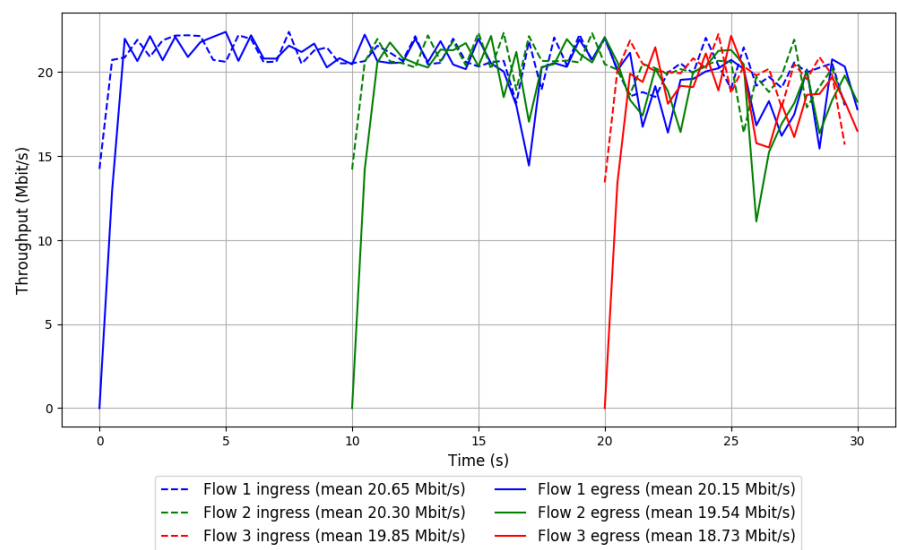
-- Flow 3:

Average throughput: 18.73 Mbit/s

95th percentile per-packet one-way delay: 21.069 ms

Loss rate: 5.70%

Run 5: Report of Sprout — Data Link

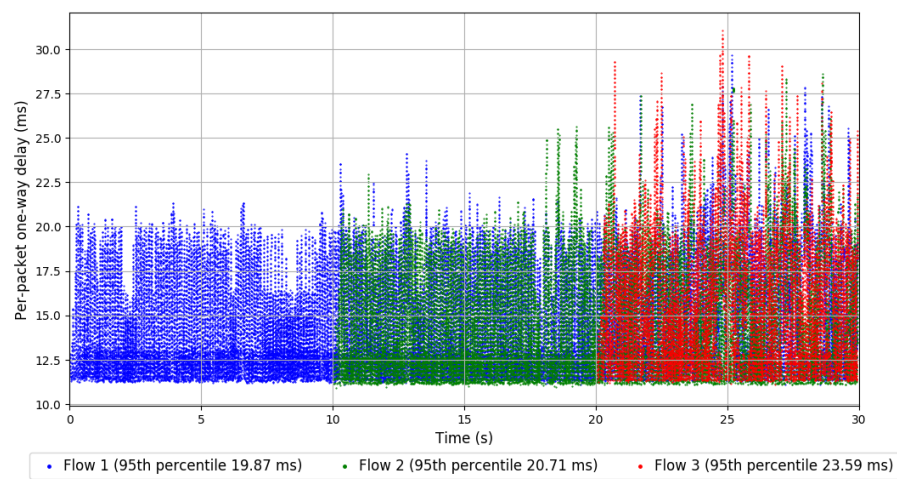
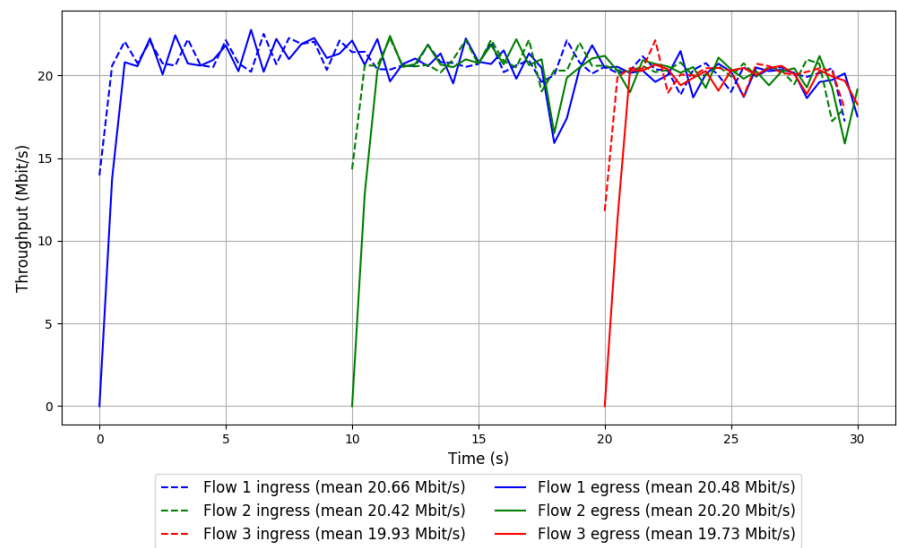


Run 6: Statistics of Sprout

Start at: 2018-06-29 22:51:30
End at: 2018-06-29 22:52:00
Local clock offset: -0.349 ms
Remote clock offset: 4.464 ms

Below is generated by plot.py at 2018-06-30 00:29:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.43 Mbit/s
95th percentile per-packet one-way delay: 20.806 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 20.48 Mbit/s
95th percentile per-packet one-way delay: 19.869 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 20.20 Mbit/s
95th percentile per-packet one-way delay: 20.709 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 19.73 Mbit/s
95th percentile per-packet one-way delay: 23.585 ms
Loss rate: 0.90%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-06-29 23:11:07

End at: 2018-06-29 23:11:37

Local clock offset: 2.483 ms

Remote clock offset: 3.184 ms

Below is generated by plot.py at 2018-06-30 00:29:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.18 Mbit/s

95th percentile per-packet one-way delay: 18.998 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 20.34 Mbit/s

95th percentile per-packet one-way delay: 17.798 ms

Loss rate: 1.05%

-- Flow 2:

Average throughput: 20.13 Mbit/s

95th percentile per-packet one-way delay: 20.175 ms

Loss rate: 1.78%

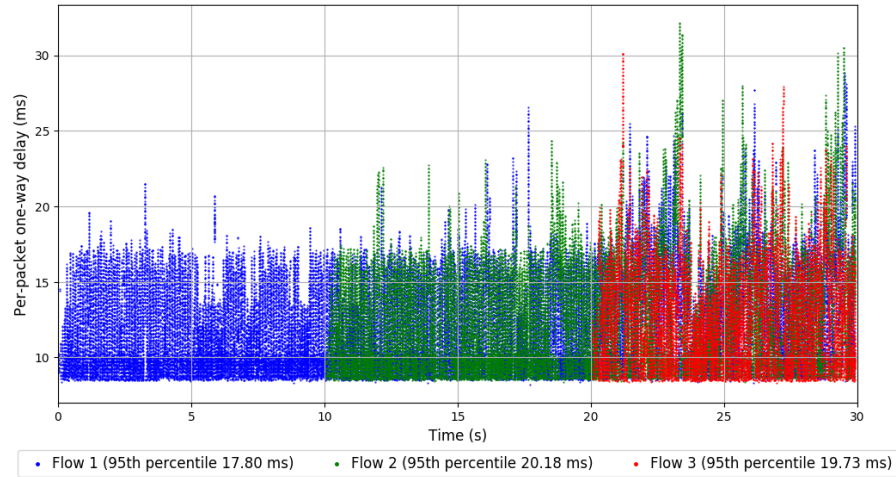
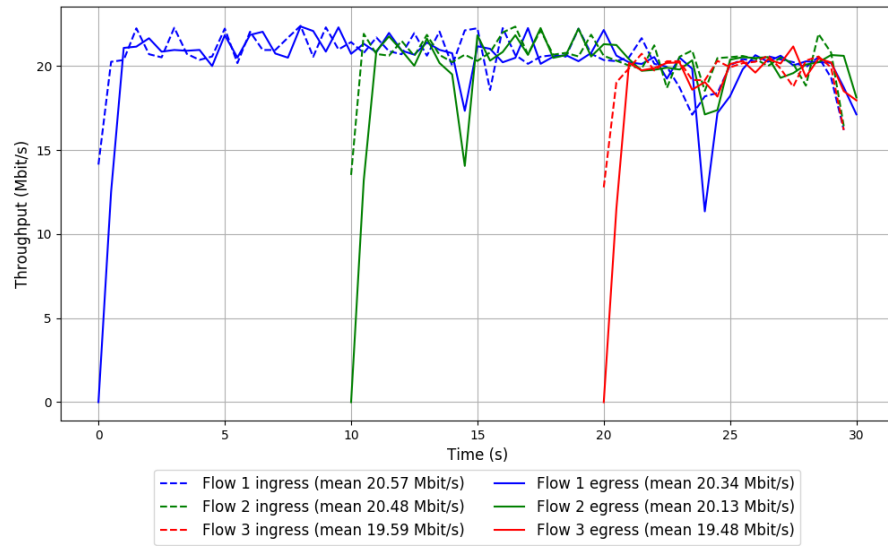
-- Flow 3:

Average throughput: 19.48 Mbit/s

95th percentile per-packet one-way delay: 19.732 ms

Loss rate: 0.56%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-06-29 23:30:40

End at: 2018-06-29 23:31:10

Local clock offset: 1.902 ms

Remote clock offset: 0.928 ms

Below is generated by plot.py at 2018-06-30 00:29:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.44 Mbit/s

95th percentile per-packet one-way delay: 18.952 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 20.50 Mbit/s

95th percentile per-packet one-way delay: 18.370 ms

Loss rate: 1.14%

-- Flow 2:

Average throughput: 20.17 Mbit/s

95th percentile per-packet one-way delay: 19.251 ms

Loss rate: 0.95%

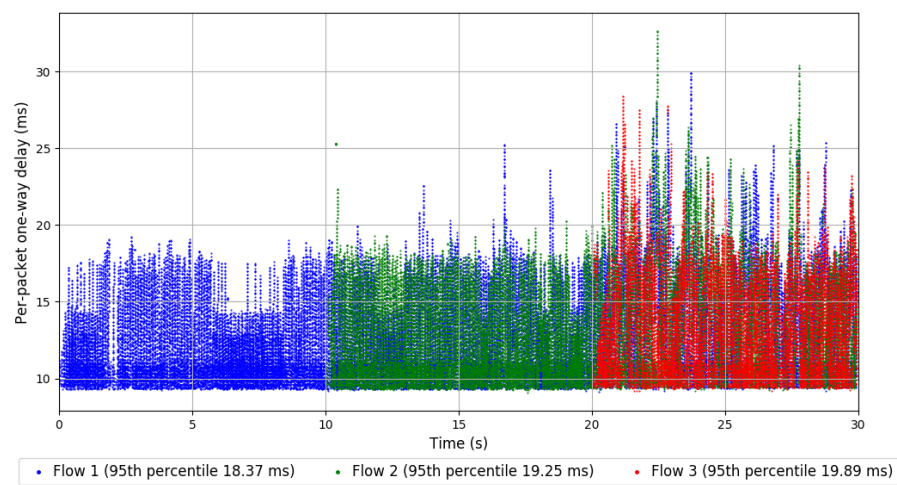
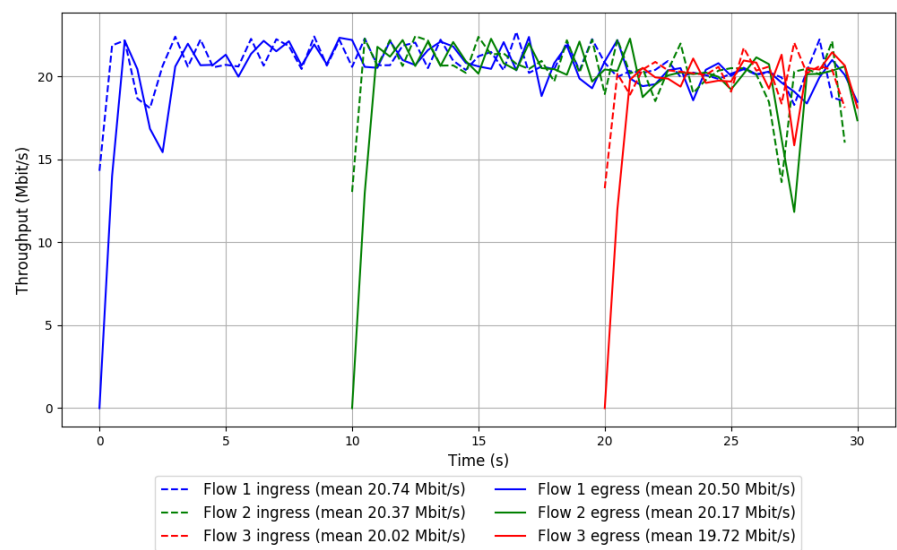
-- Flow 3:

Average throughput: 19.72 Mbit/s

95th percentile per-packet one-way delay: 19.894 ms

Loss rate: 1.42%

Run 8: Report of Sprout — Data Link

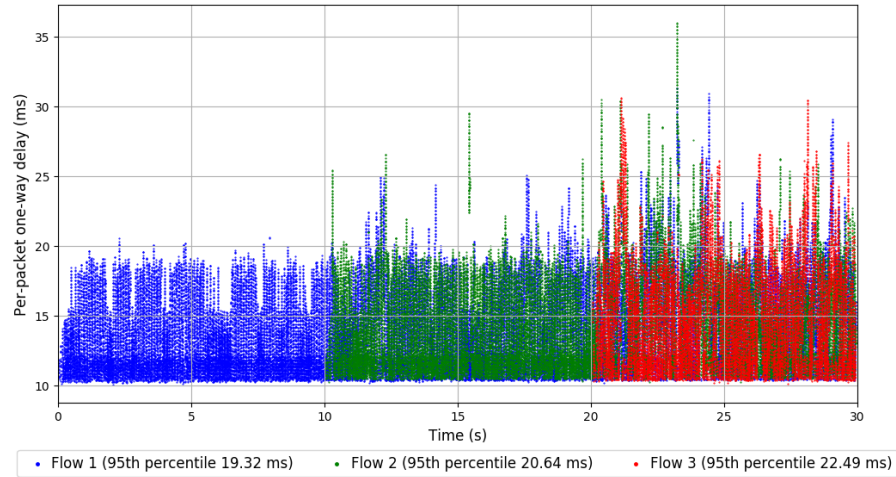
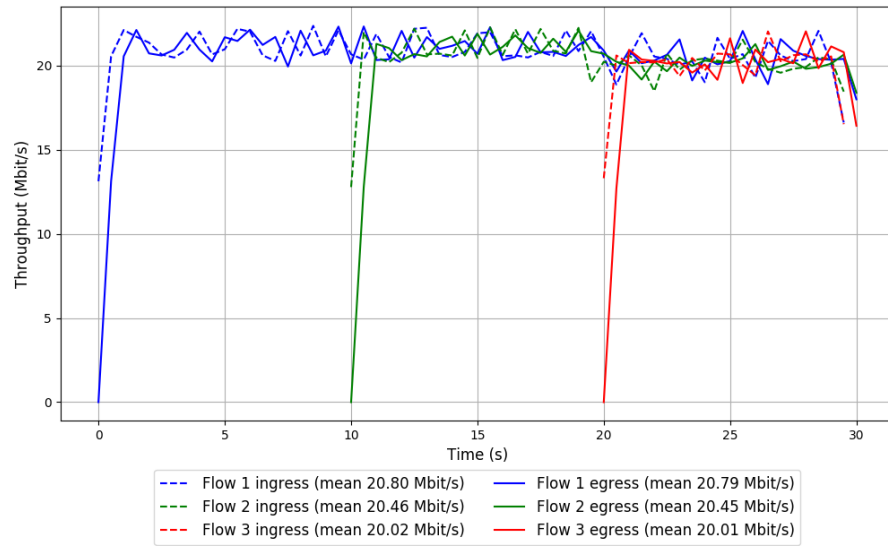


Run 9: Statistics of Sprout

Start at: 2018-06-29 23:50:31
End at: 2018-06-29 23:51:01
Local clock offset: 1.155 ms
Remote clock offset: -3.592 ms

Below is generated by plot.py at 2018-06-30 00:29:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.01 Mbit/s
95th percentile per-packet one-way delay: 20.372 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 20.79 Mbit/s
95th percentile per-packet one-way delay: 19.322 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 20.45 Mbit/s
95th percentile per-packet one-way delay: 20.638 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 20.01 Mbit/s
95th percentile per-packet one-way delay: 22.493 ms
Loss rate: 0.04%

Run 9: Report of Sprout — Data Link

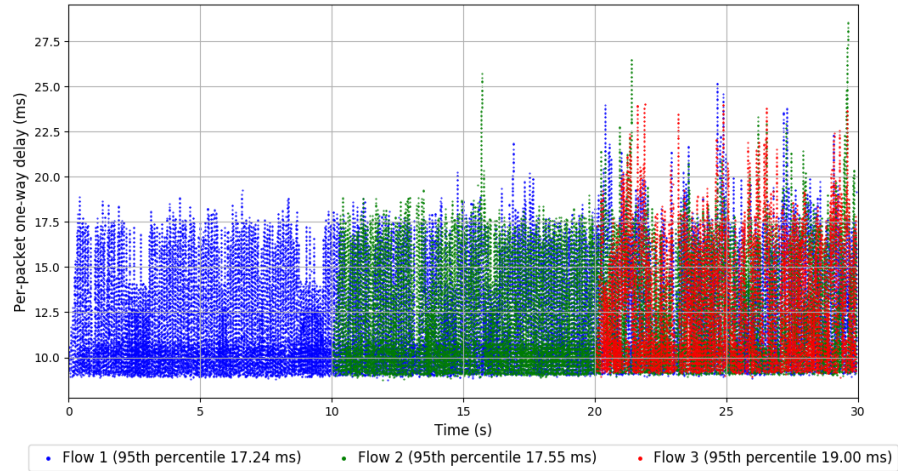
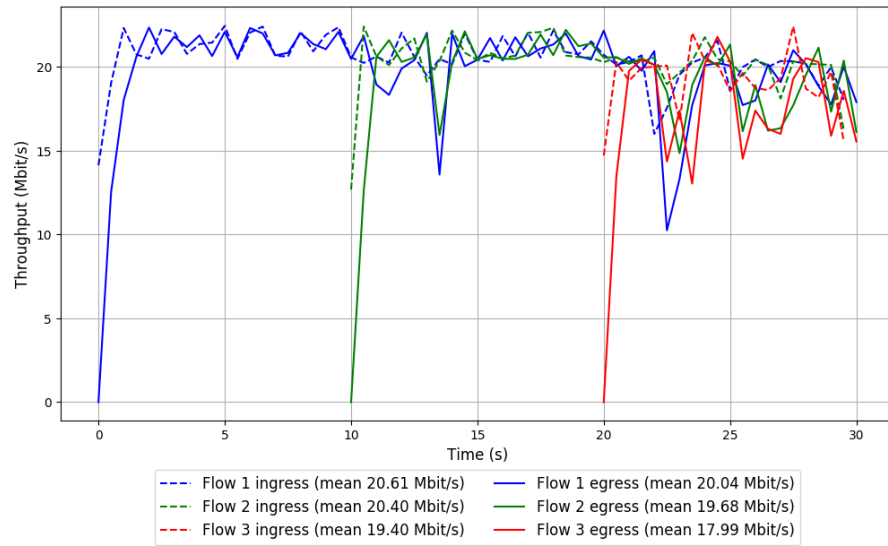


Run 10: Statistics of Sprout

Start at: 2018-06-30 00:10:01
End at: 2018-06-30 00:10:31
Local clock offset: 2.686 ms
Remote clock offset: -6.282 ms

Below is generated by plot.py at 2018-06-30 00:29:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.06 Mbit/s
95th percentile per-packet one-way delay: 17.591 ms
Loss rate: 3.70%
-- Flow 1:
Average throughput: 20.04 Mbit/s
95th percentile per-packet one-way delay: 17.243 ms
Loss rate: 2.74%
-- Flow 2:
Average throughput: 19.68 Mbit/s
95th percentile per-packet one-way delay: 17.552 ms
Loss rate: 3.49%
-- Flow 3:
Average throughput: 17.99 Mbit/s
95th percentile per-packet one-way delay: 19.001 ms
Loss rate: 7.26%

Run 10: Report of Sprout — Data Link

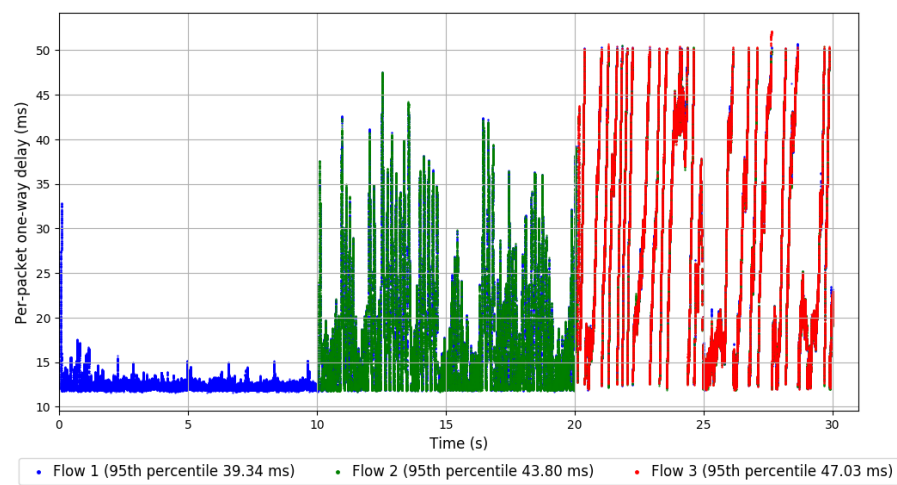
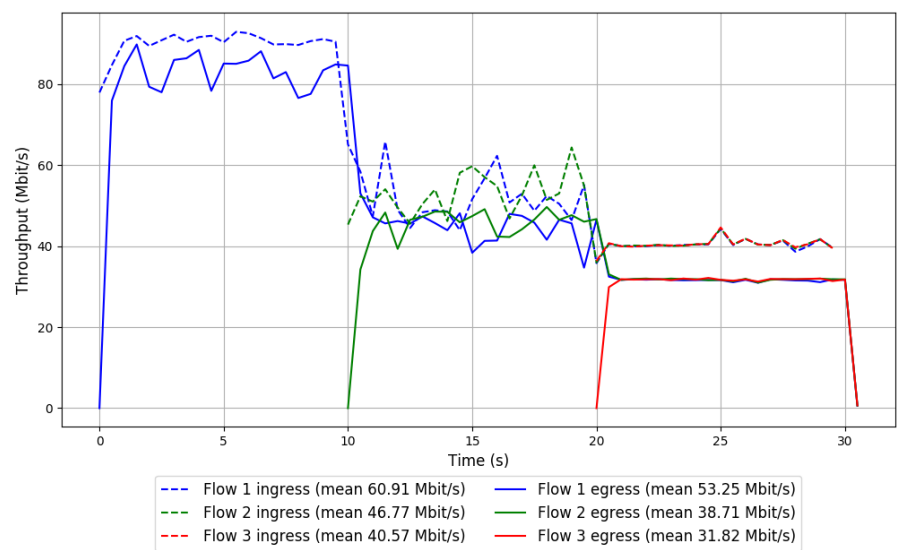


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-06-29 21:09:01
End at: 2018-06-29 21:09:32
Local clock offset: -1.628 ms
Remote clock offset: -7.566 ms

# Below is generated by plot.py at 2018-06-30 00:30:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.61 Mbit/s
95th percentile per-packet one-way delay: 43.038 ms
Loss rate: 15.09%
-- Flow 1:
Average throughput: 53.25 Mbit/s
95th percentile per-packet one-way delay: 39.340 ms
Loss rate: 12.56%
-- Flow 2:
Average throughput: 38.71 Mbit/s
95th percentile per-packet one-way delay: 43.800 ms
Loss rate: 17.20%
-- Flow 3:
Average throughput: 31.82 Mbit/s
95th percentile per-packet one-way delay: 47.034 ms
Loss rate: 21.62%
```

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

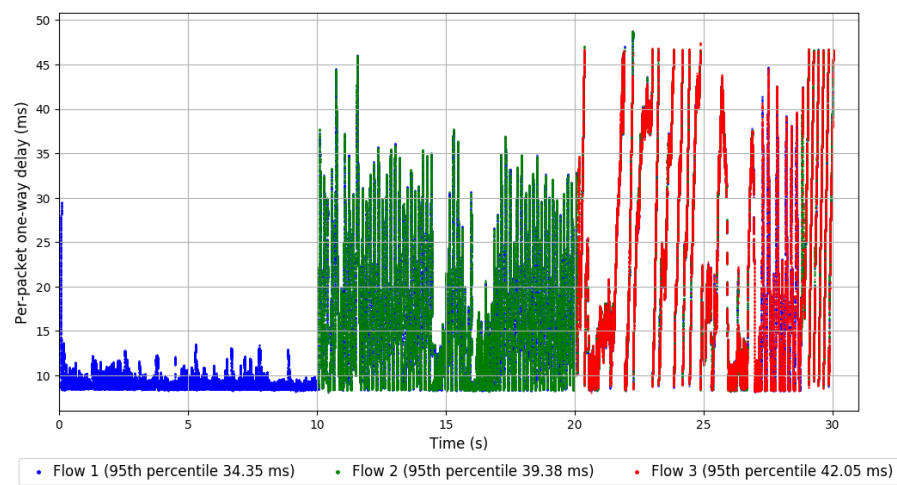
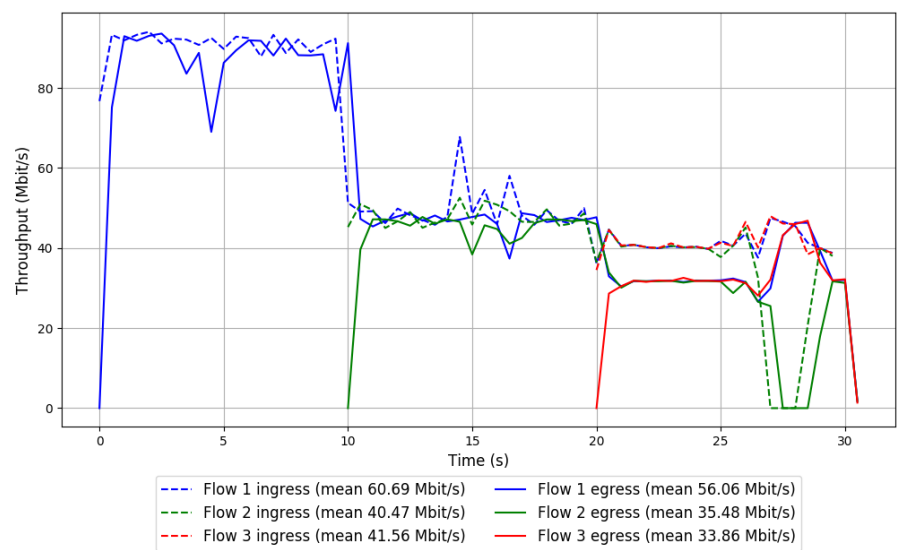


Run 2: Statistics of TaoVA-100x

Start at: 2018-06-29 21:28:29
End at: 2018-06-29 21:28:59
Local clock offset: 1.055 ms
Remote clock offset: -7.414 ms

Below is generated by plot.py at 2018-06-30 00:30:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.96 Mbit/s
95th percentile per-packet one-way delay: 38.331 ms
Loss rate: 10.26%
-- Flow 1:
Average throughput: 56.06 Mbit/s
95th percentile per-packet one-way delay: 34.352 ms
Loss rate: 7.54%
-- Flow 2:
Average throughput: 35.48 Mbit/s
95th percentile per-packet one-way delay: 39.375 ms
Loss rate: 12.20%
-- Flow 3:
Average throughput: 33.86 Mbit/s
95th percentile per-packet one-way delay: 42.049 ms
Loss rate: 18.41%

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

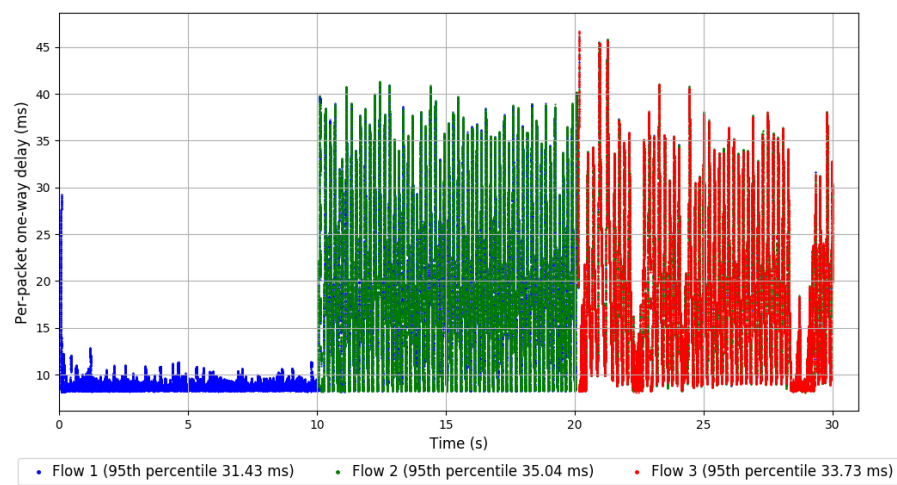
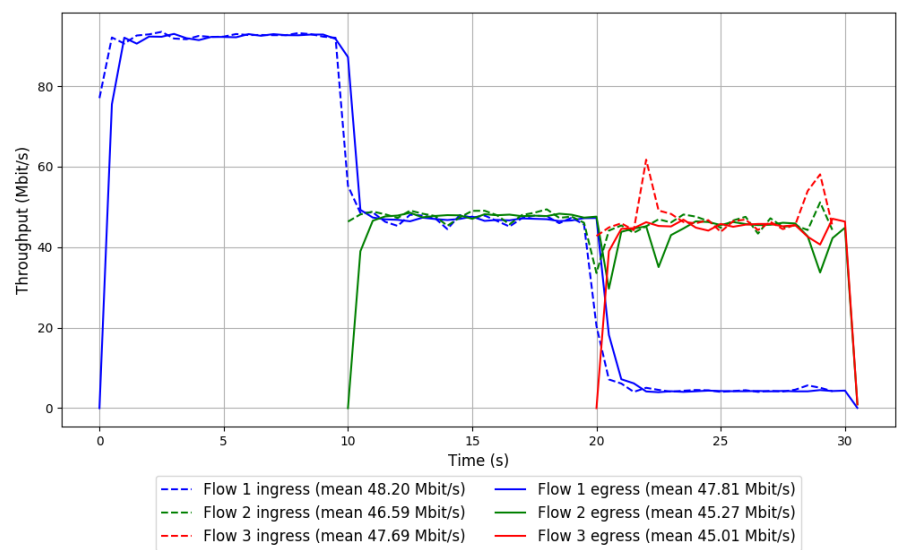


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-29 21:48:01
End at: 2018-06-29 21:48:31
Local clock offset: 1.077 ms
Remote clock offset: -4.981 ms

Below is generated by plot.py at 2018-06-30 00:31:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.91 Mbit/s
95th percentile per-packet one-way delay: 33.649 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 47.81 Mbit/s
95th percentile per-packet one-way delay: 31.430 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 45.27 Mbit/s
95th percentile per-packet one-way delay: 35.036 ms
Loss rate: 2.78%
-- Flow 3:
Average throughput: 45.01 Mbit/s
95th percentile per-packet one-way delay: 33.725 ms
Loss rate: 5.66%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-06-29 22:07:48

End at: 2018-06-29 22:08:18

Local clock offset: 0.555 ms

Remote clock offset: 0.687 ms

Below is generated by plot.py at 2018-06-30 00:31:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.23 Mbit/s

95th percentile per-packet one-way delay: 37.566 ms

Loss rate: 10.05%

-- Flow 1:

Average throughput: 49.83 Mbit/s

95th percentile per-packet one-way delay: 33.946 ms

Loss rate: 7.13%

-- Flow 2:

Average throughput: 42.22 Mbit/s

95th percentile per-packet one-way delay: 38.455 ms

Loss rate: 12.34%

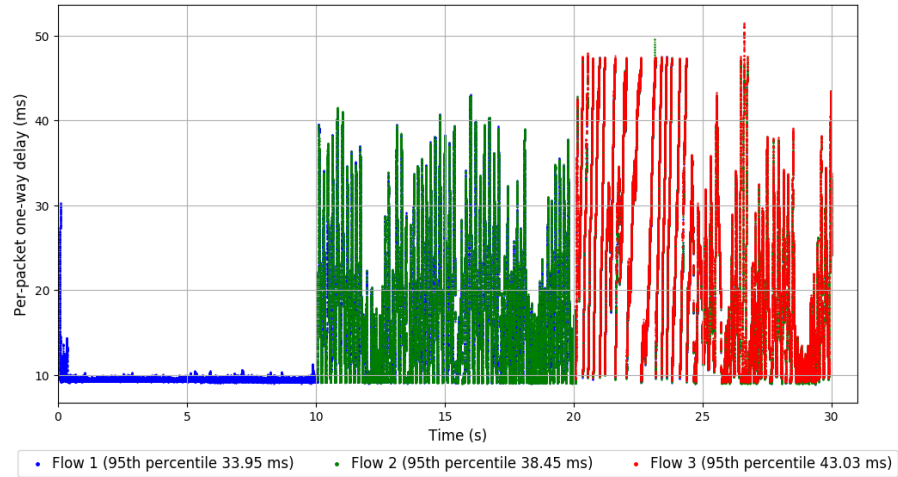
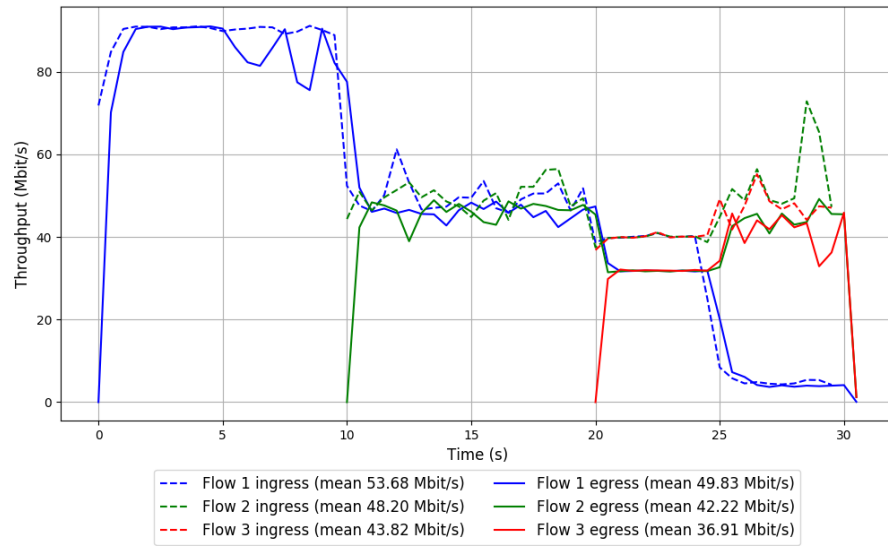
-- Flow 3:

Average throughput: 36.91 Mbit/s

95th percentile per-packet one-way delay: 43.029 ms

Loss rate: 15.72%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-29 22:27:20

End at: 2018-06-29 22:27:50

Local clock offset: 0.785 ms

Remote clock offset: 7.058 ms

Below is generated by plot.py at 2018-06-30 00:31:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.23 Mbit/s

95th percentile per-packet one-way delay: 40.891 ms

Loss rate: 15.94%

-- Flow 1:

Average throughput: 54.04 Mbit/s

95th percentile per-packet one-way delay: 36.019 ms

Loss rate: 13.28%

-- Flow 2:

Average throughput: 38.70 Mbit/s

95th percentile per-packet one-way delay: 41.914 ms

Loss rate: 18.29%

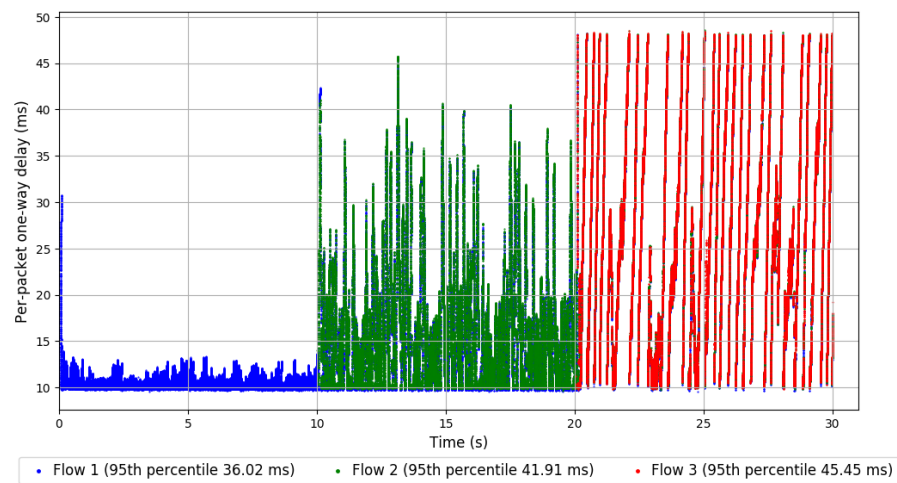
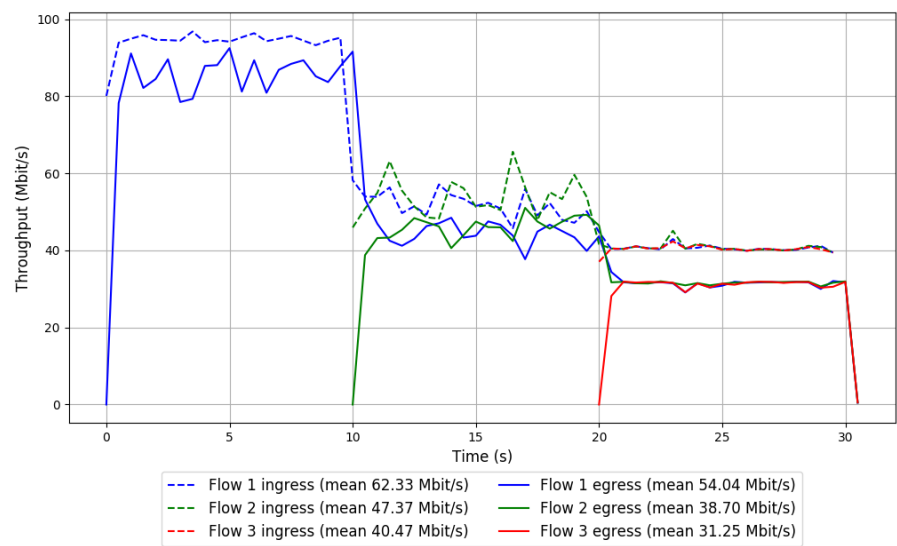
-- Flow 3:

Average throughput: 31.25 Mbit/s

95th percentile per-packet one-way delay: 45.449 ms

Loss rate: 22.71%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-29 22:46:49

End at: 2018-06-29 22:47:19

Local clock offset: -0.079 ms

Remote clock offset: 5.445 ms

Below is generated by plot.py at 2018-06-30 00:31:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.30 Mbit/s

95th percentile per-packet one-way delay: 43.751 ms

Loss rate: 16.21%

-- Flow 1:

Average throughput: 53.09 Mbit/s

95th percentile per-packet one-way delay: 39.283 ms

Loss rate: 14.19%

-- Flow 2:

Average throughput: 38.65 Mbit/s

95th percentile per-packet one-way delay: 44.711 ms

Loss rate: 17.84%

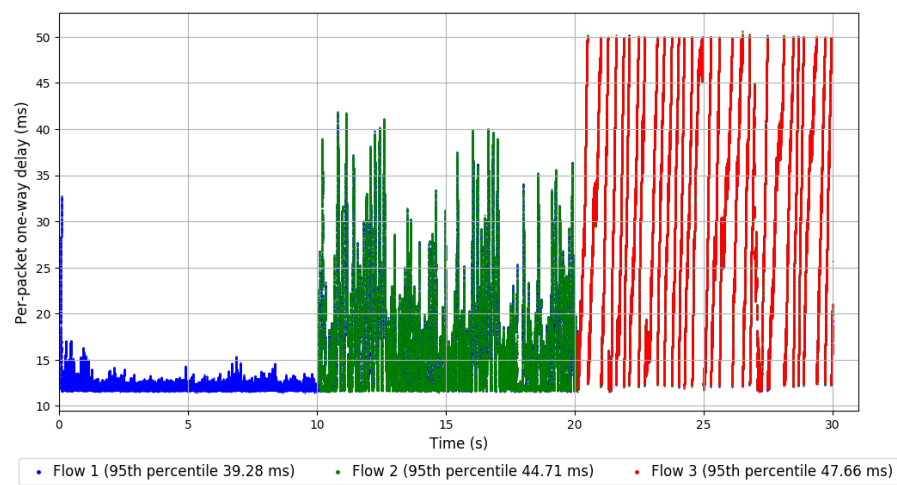
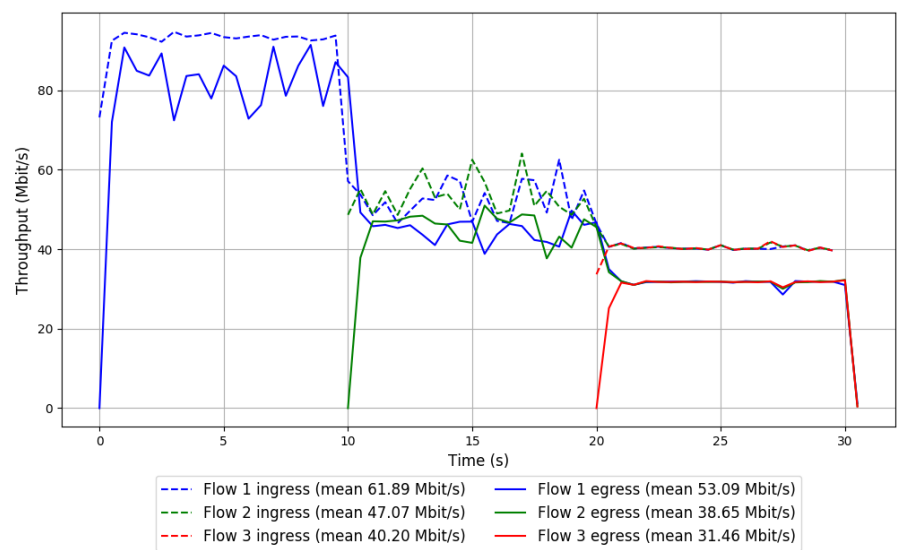
-- Flow 3:

Average throughput: 31.46 Mbit/s

95th percentile per-packet one-way delay: 47.660 ms

Loss rate: 21.72%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-06-29 23:06:20

End at: 2018-06-29 23:06:50

Local clock offset: -0.706 ms

Remote clock offset: 3.708 ms

Below is generated by plot.py at 2018-06-30 00:31:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.04 Mbit/s

95th percentile per-packet one-way delay: 35.647 ms

Loss rate: 12.75%

-- Flow 1:

Average throughput: 50.94 Mbit/s

95th percentile per-packet one-way delay: 31.425 ms

Loss rate: 11.53%

-- Flow 2:

Average throughput: 41.75 Mbit/s

95th percentile per-packet one-way delay: 36.910 ms

Loss rate: 13.82%

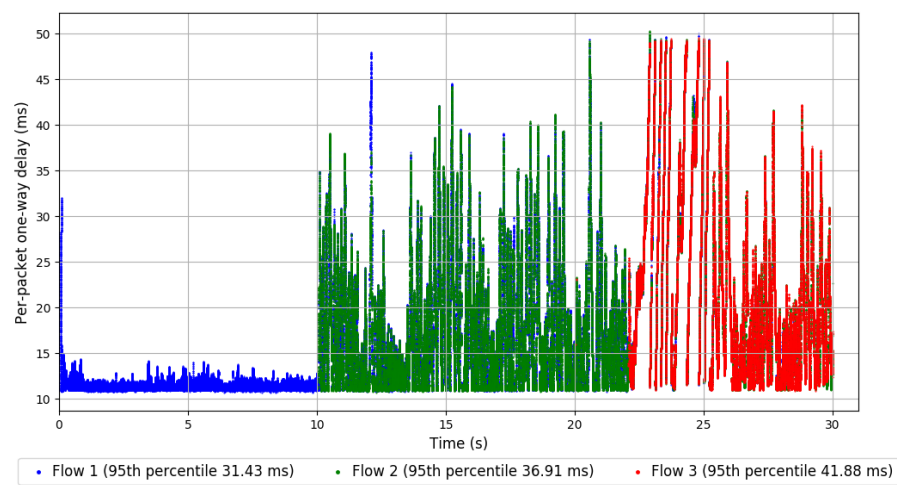
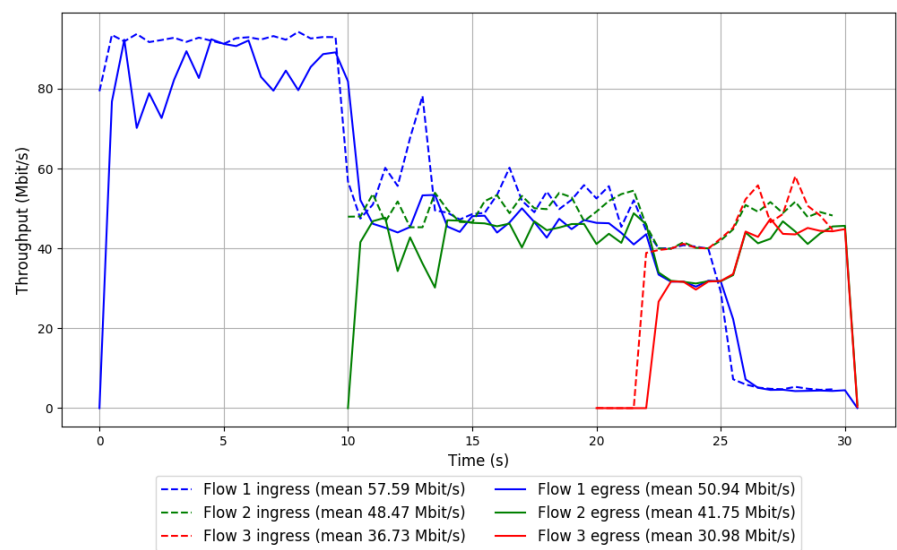
-- Flow 3:

Average throughput: 30.98 Mbit/s

95th percentile per-packet one-way delay: 41.883 ms

Loss rate: 15.67%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-29 23:25:58

End at: 2018-06-29 23:26:28

Local clock offset: 2.214 ms

Remote clock offset: 1.506 ms

Below is generated by plot.py at 2018-06-30 00:31:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.87 Mbit/s

95th percentile per-packet one-way delay: 41.676 ms

Loss rate: 10.72%

-- Flow 1:

Average throughput: 55.23 Mbit/s

95th percentile per-packet one-way delay: 38.800 ms

Loss rate: 7.55%

-- Flow 2:

Average throughput: 39.21 Mbit/s

95th percentile per-packet one-way delay: 42.404 ms

Loss rate: 12.52%

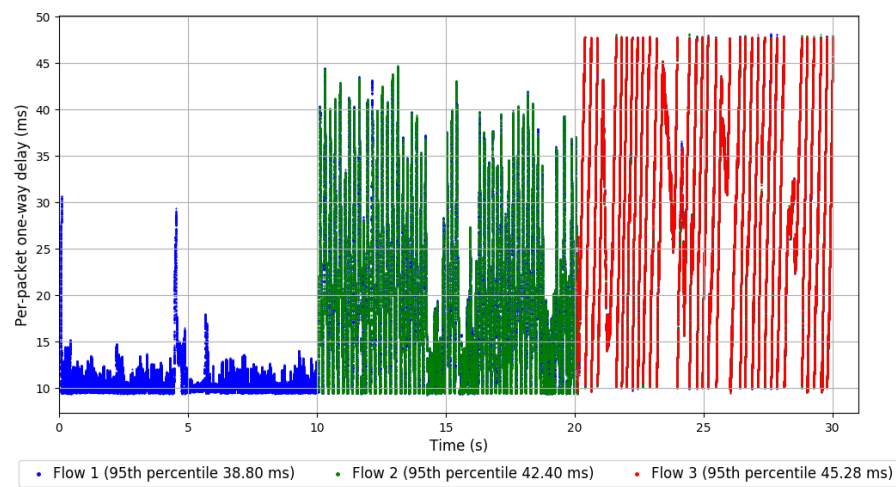
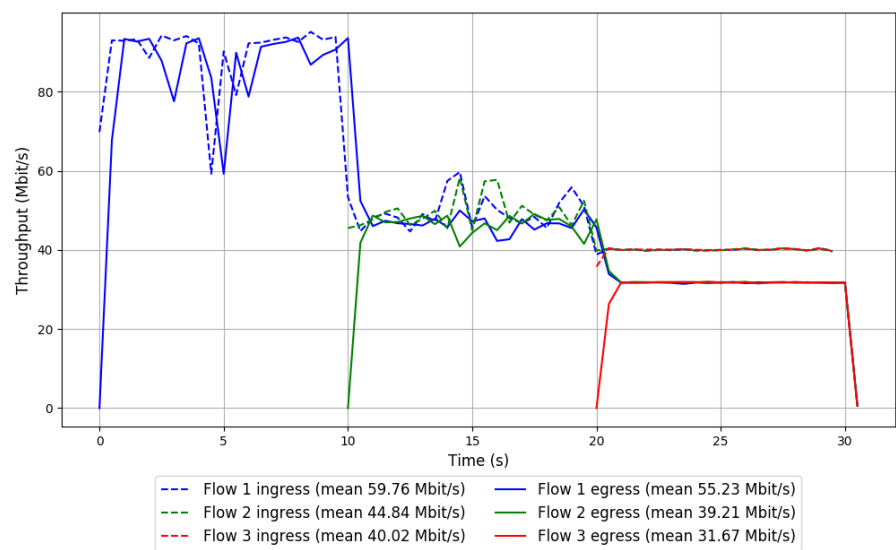
-- Flow 3:

Average throughput: 31.67 Mbit/s

95th percentile per-packet one-way delay: 45.277 ms

Loss rate: 20.93%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-29 23:45:42

End at: 2018-06-29 23:46:12

Local clock offset: 1.349 ms

Remote clock offset: -2.07 ms

Below is generated by plot.py at 2018-06-30 00:33:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.30 Mbit/s

95th percentile per-packet one-way delay: 41.558 ms

Loss rate: 13.08%

-- Flow 1:

Average throughput: 55.86 Mbit/s

95th percentile per-packet one-way delay: 36.906 ms

Loss rate: 9.02%

-- Flow 2:

Average throughput: 37.68 Mbit/s

95th percentile per-packet one-way delay: 42.735 ms

Loss rate: 16.83%

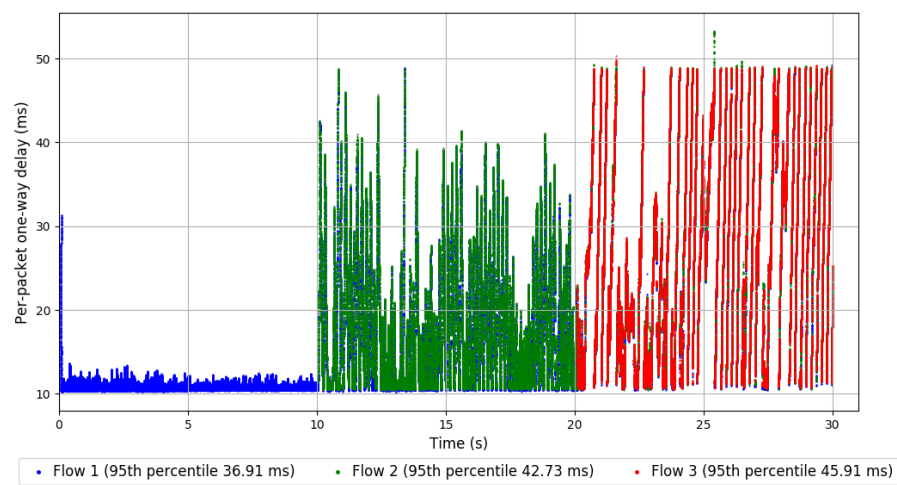
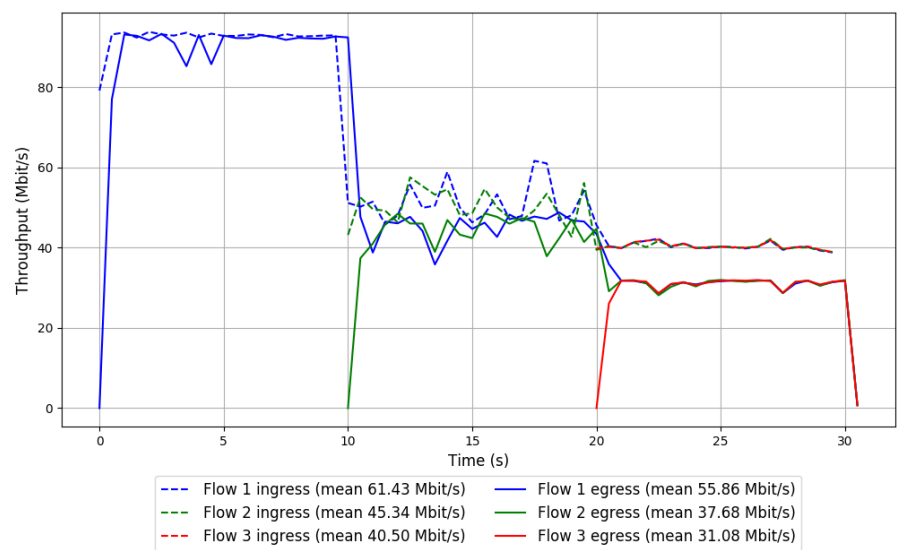
-- Flow 3:

Average throughput: 31.08 Mbit/s

95th percentile per-packet one-way delay: 45.909 ms

Loss rate: 23.21%

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

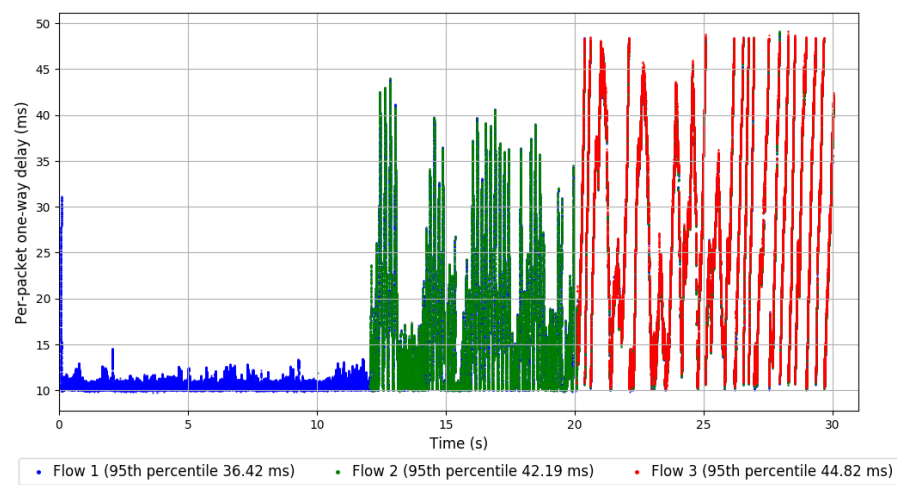
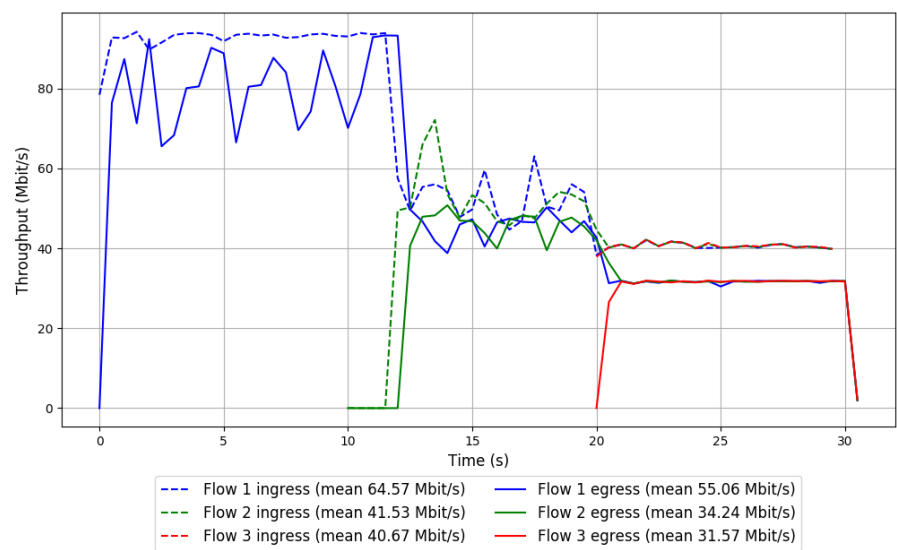


Run 10: Statistics of TaoVA-100x

Start at: 2018-06-30 00:05:22
End at: 2018-06-30 00:05:52
Local clock offset: 0.928 ms
Remote clock offset: -6.495 ms

Below is generated by plot.py at 2018-06-30 00:33:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.39 Mbit/s
95th percentile per-packet one-way delay: 40.788 ms
Loss rate: 16.33%
-- Flow 1:
Average throughput: 55.06 Mbit/s
95th percentile per-packet one-way delay: 36.425 ms
Loss rate: 14.64%
-- Flow 2:
Average throughput: 34.24 Mbit/s
95th percentile per-packet one-way delay: 42.185 ms
Loss rate: 17.44%
-- Flow 3:
Average throughput: 31.57 Mbit/s
95th percentile per-packet one-way delay: 44.819 ms
Loss rate: 22.14%

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

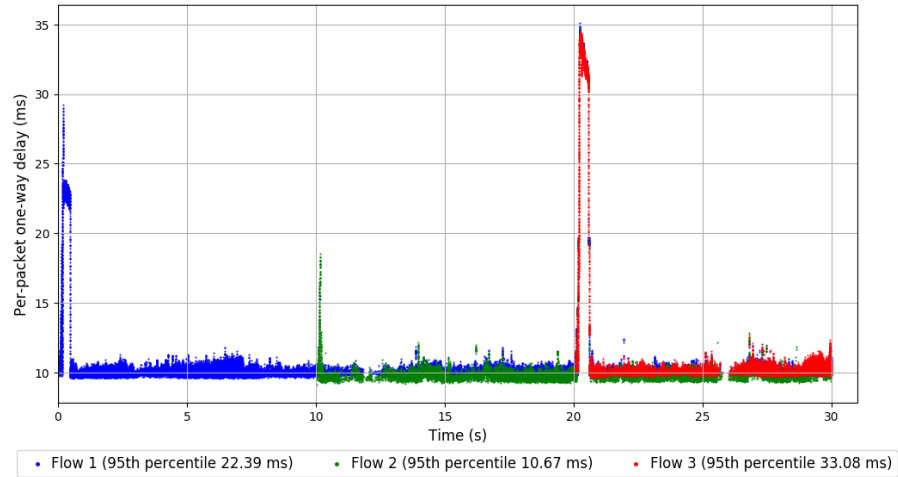
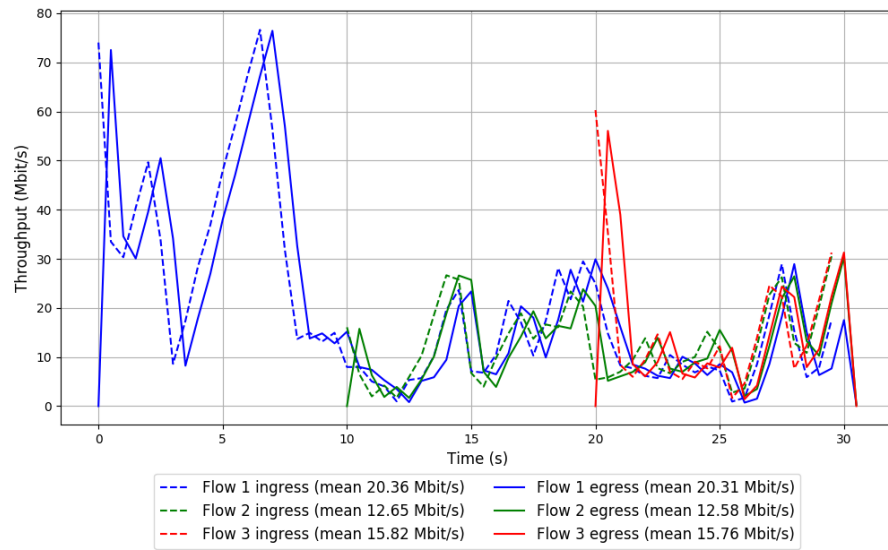


Run 1: Statistics of TCP Vegas

Start at: 2018-06-29 21:14:51
End at: 2018-06-29 21:15:21
Local clock offset: 0.401 ms
Remote clock offset: -8.875 ms

Below is generated by plot.py at 2018-06-30 00:33:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.93 Mbit/s
95th percentile per-packet one-way delay: 22.928 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 20.31 Mbit/s
95th percentile per-packet one-way delay: 22.389 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 12.58 Mbit/s
95th percentile per-packet one-way delay: 10.671 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 33.081 ms
Loss rate: 0.42%

Run 1: Report of TCP Vegas — Data Link

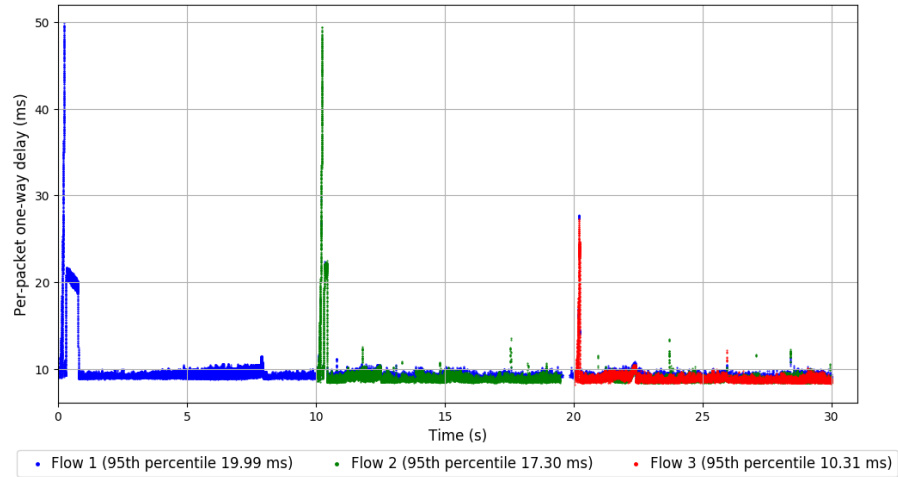
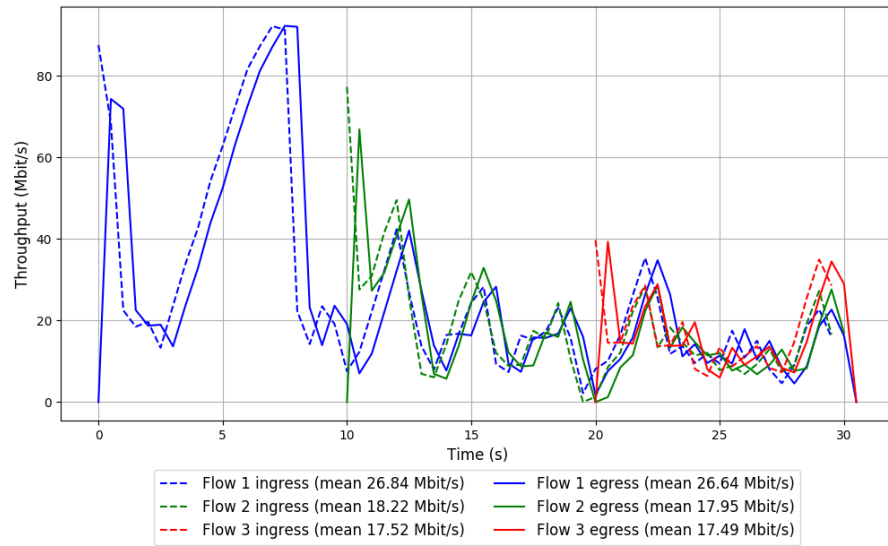


Run 2: Statistics of TCP Vegas

Start at: 2018-06-29 21:34:14
End at: 2018-06-29 21:34:44
Local clock offset: 0.331 ms
Remote clock offset: -6.524 ms

Below is generated by plot.py at 2018-06-30 00:33:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.41 Mbit/s
95th percentile per-packet one-way delay: 19.642 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 26.64 Mbit/s
95th percentile per-packet one-way delay: 19.992 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 17.95 Mbit/s
95th percentile per-packet one-way delay: 17.302 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 17.49 Mbit/s
95th percentile per-packet one-way delay: 10.306 ms
Loss rate: 0.18%

Run 2: Report of TCP Vegas — Data Link

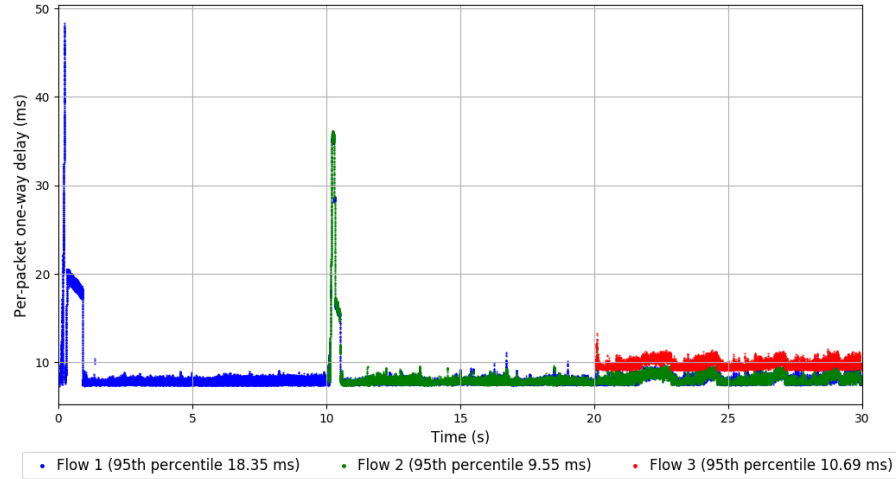
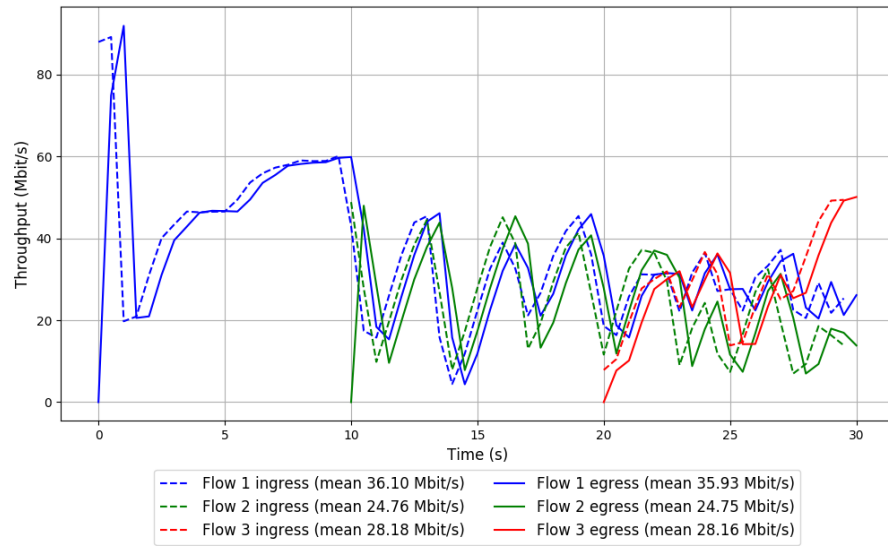


Run 3: Statistics of TCP Vegas

Start at: 2018-06-29 21:53:54
End at: 2018-06-29 21:54:24
Local clock offset: 1.835 ms
Remote clock offset: -5.339 ms

Below is generated by plot.py at 2018-06-30 00:33:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.78 Mbit/s
95th percentile per-packet one-way delay: 15.834 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 35.93 Mbit/s
95th percentile per-packet one-way delay: 18.354 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 24.75 Mbit/s
95th percentile per-packet one-way delay: 9.548 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 28.16 Mbit/s
95th percentile per-packet one-way delay: 10.689 ms
Loss rate: 0.09%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-06-29 22:13:37

End at: 2018-06-29 22:14:07

Local clock offset: -0.406 ms

Remote clock offset: 5.02 ms

Below is generated by plot.py at 2018-06-30 00:33:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.21 Mbit/s

95th percentile per-packet one-way delay: 20.450 ms

Loss rate: 1.35%

-- Flow 1:

Average throughput: 19.99 Mbit/s

95th percentile per-packet one-way delay: 20.761 ms

Loss rate: 2.22%

-- Flow 2:

Average throughput: 16.00 Mbit/s

95th percentile per-packet one-way delay: 19.579 ms

Loss rate: 0.24%

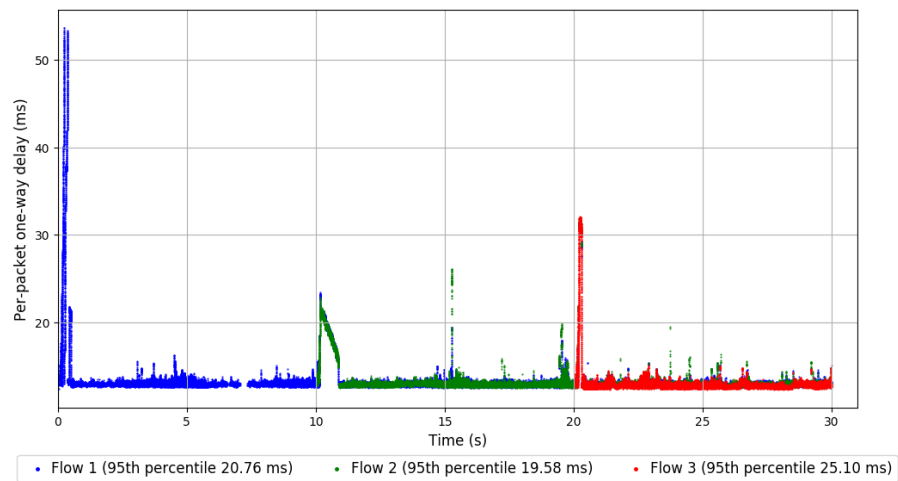
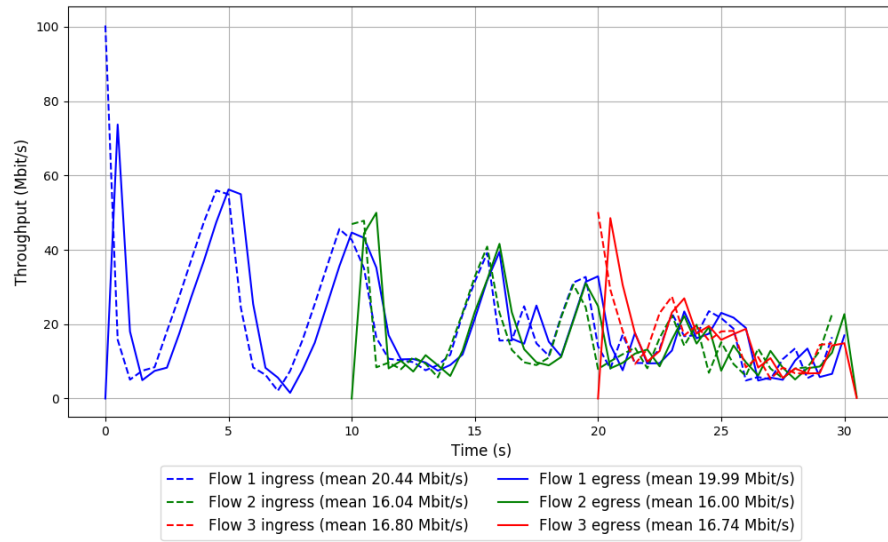
-- Flow 3:

Average throughput: 16.74 Mbit/s

95th percentile per-packet one-way delay: 25.099 ms

Loss rate: 0.33%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-06-29 22:33:08

End at: 2018-06-29 22:33:38

Local clock offset: 2.142 ms

Remote clock offset: 8.433 ms

Below is generated by plot.py at 2018-06-30 00:33:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 25.99 Mbit/s

95th percentile per-packet one-way delay: 10.386 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 14.82 Mbit/s

95th percentile per-packet one-way delay: 10.416 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 11.64 Mbit/s

95th percentile per-packet one-way delay: 10.362 ms

Loss rate: 0.75%

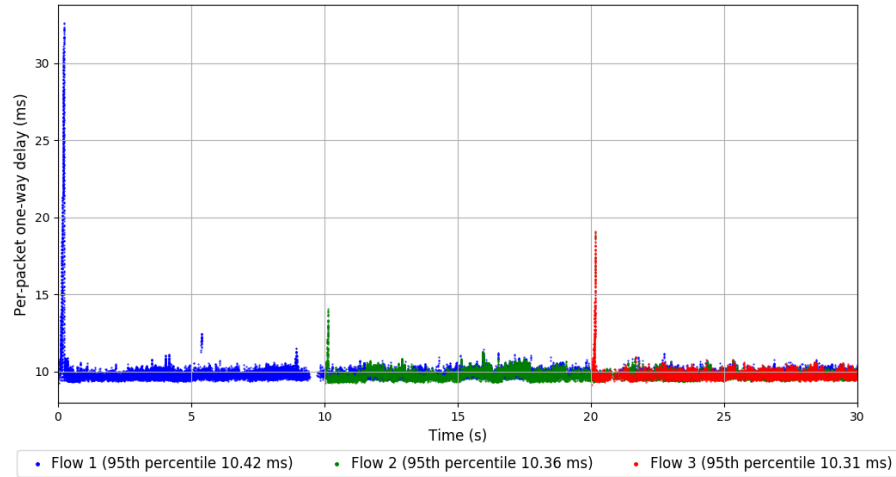
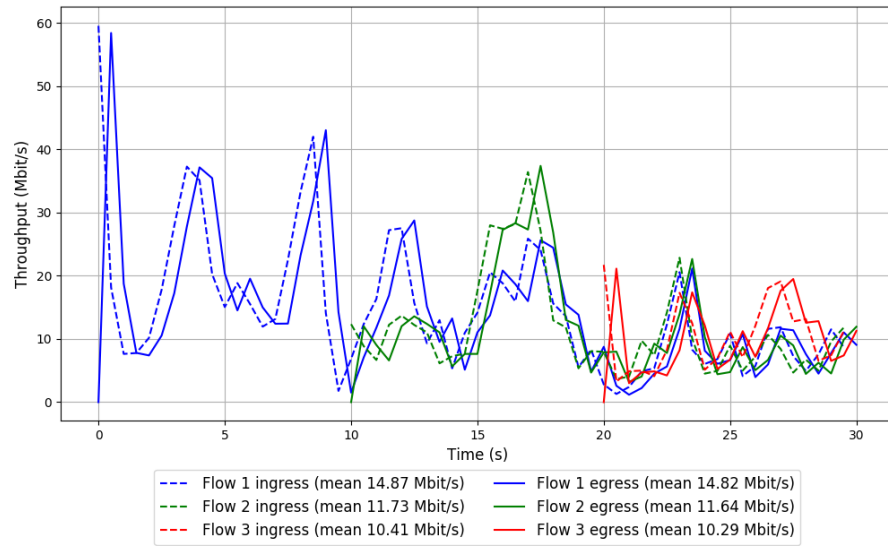
-- Flow 3:

Average throughput: 10.29 Mbit/s

95th percentile per-packet one-way delay: 10.307 ms

Loss rate: 1.12%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-29 22:52:37

End at: 2018-06-29 22:53:07

Local clock offset: 1.224 ms

Remote clock offset: 5.32 ms

Below is generated by plot.py at 2018-06-30 00:33:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.46 Mbit/s

95th percentile per-packet one-way delay: 12.165 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 27.49 Mbit/s

95th percentile per-packet one-way delay: 11.638 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 23.26 Mbit/s

95th percentile per-packet one-way delay: 11.948 ms

Loss rate: 0.10%

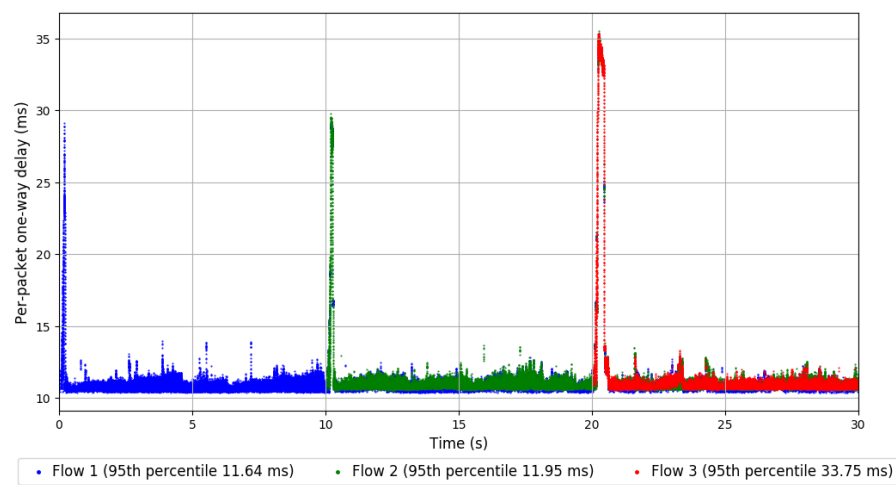
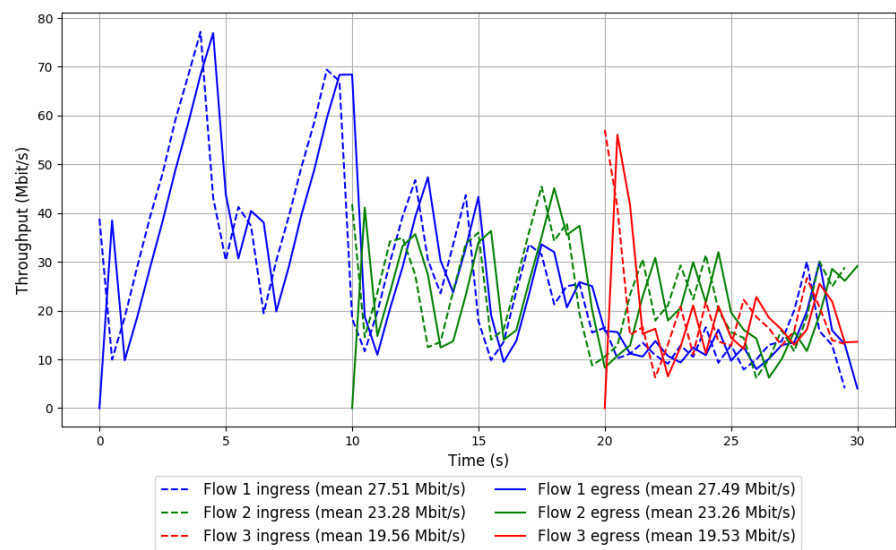
-- Flow 3:

Average throughput: 19.53 Mbit/s

95th percentile per-packet one-way delay: 33.747 ms

Loss rate: 0.16%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-06-29 23:12:17

End at: 2018-06-29 23:12:47

Local clock offset: 0.922 ms

Remote clock offset: 3.908 ms

Below is generated by plot.py at 2018-06-30 00:33:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 31.89 Mbit/s

95th percentile per-packet one-way delay: 12.746 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 18.98 Mbit/s

95th percentile per-packet one-way delay: 12.805 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 12.61 Mbit/s

95th percentile per-packet one-way delay: 12.822 ms

Loss rate: 0.24%

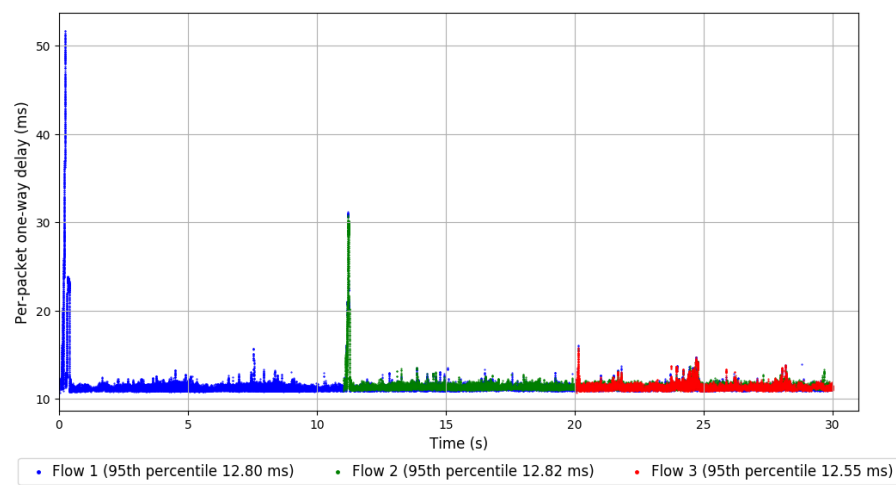
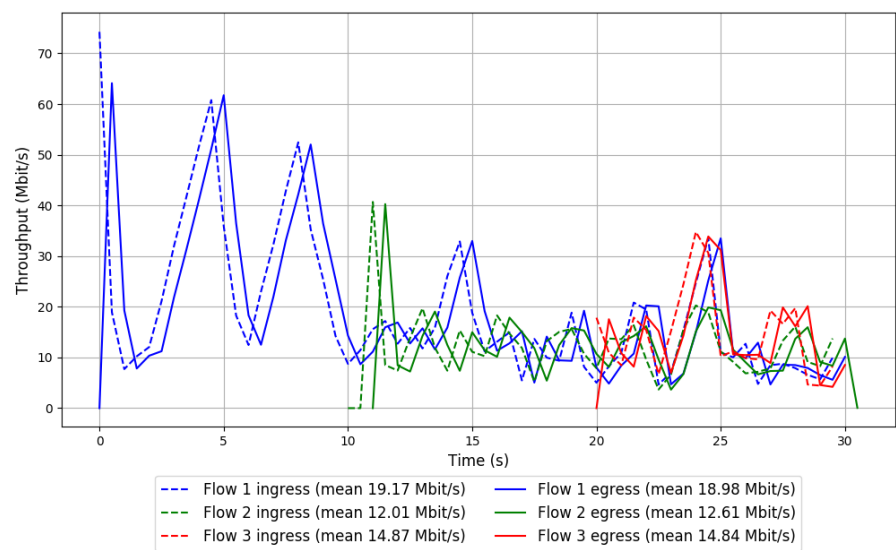
-- Flow 3:

Average throughput: 14.84 Mbit/s

95th percentile per-packet one-way delay: 12.548 ms

Loss rate: 0.22%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-06-29 23:31:50

End at: 2018-06-29 23:32:20

Local clock offset: 3.616 ms

Remote clock offset: 0.972 ms

Below is generated by plot.py at 2018-06-30 00:33:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.52 Mbit/s

95th percentile per-packet one-way delay: 33.366 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 27.54 Mbit/s

95th percentile per-packet one-way delay: 19.161 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 22.91 Mbit/s

95th percentile per-packet one-way delay: 35.148 ms

Loss rate: 0.10%

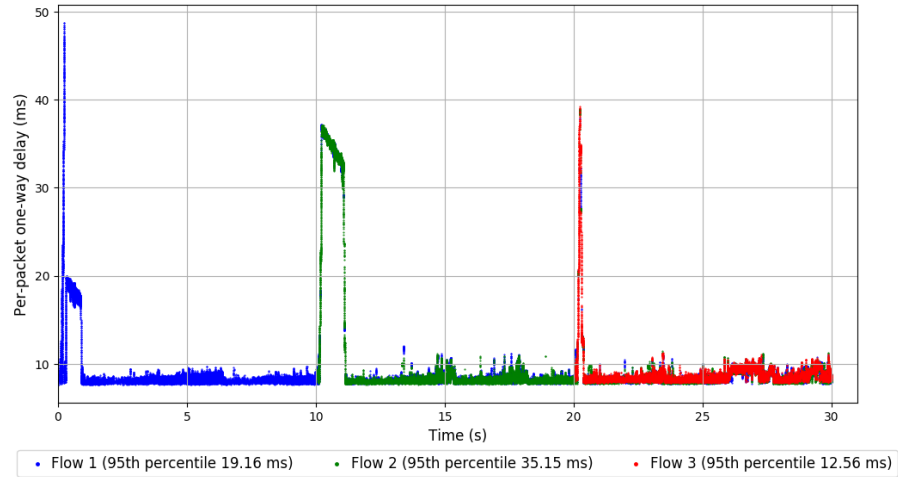
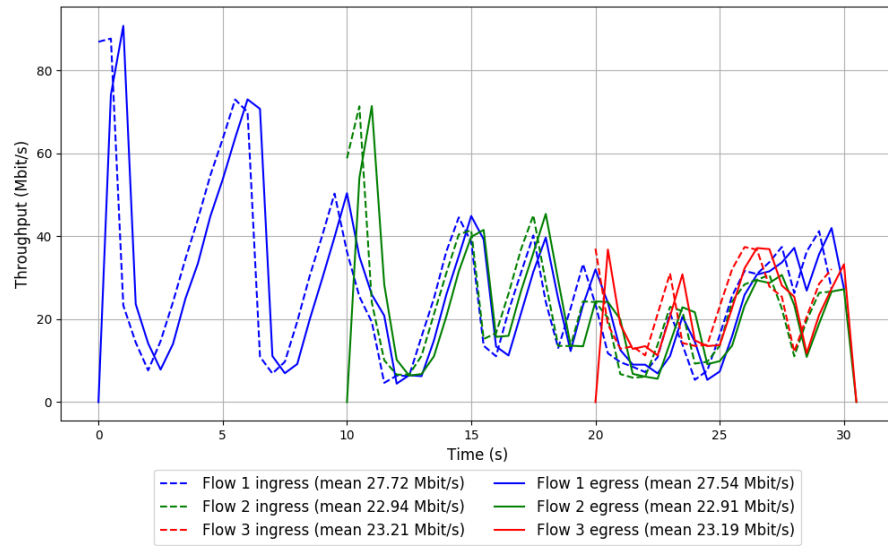
-- Flow 3:

Average throughput: 23.19 Mbit/s

95th percentile per-packet one-way delay: 12.556 ms

Loss rate: 0.07%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-06-29 23:51:39

End at: 2018-06-29 23:52:09

Local clock offset: 2.416 ms

Remote clock offset: -3.76 ms

Below is generated by plot.py at 2018-06-30 00:33:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.13 Mbit/s

95th percentile per-packet one-way delay: 18.553 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 40.23 Mbit/s

95th percentile per-packet one-way delay: 19.733 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 27.03 Mbit/s

95th percentile per-packet one-way delay: 11.662 ms

Loss rate: 0.06%

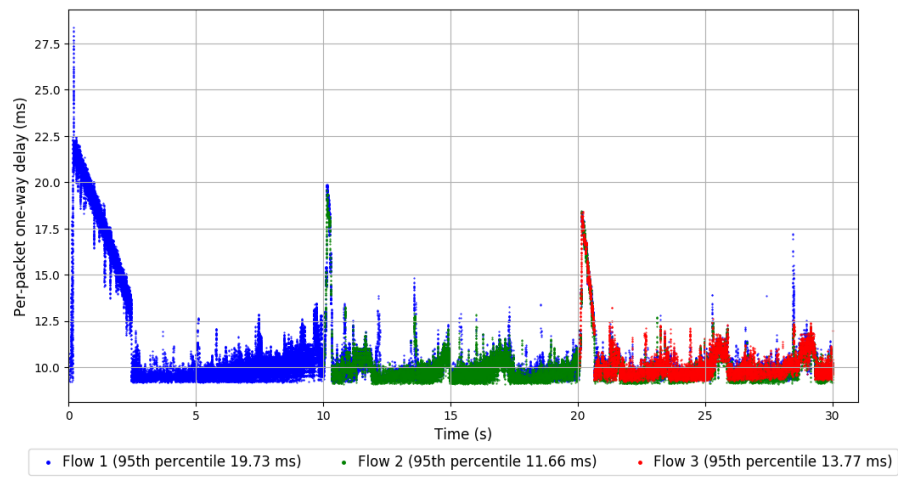
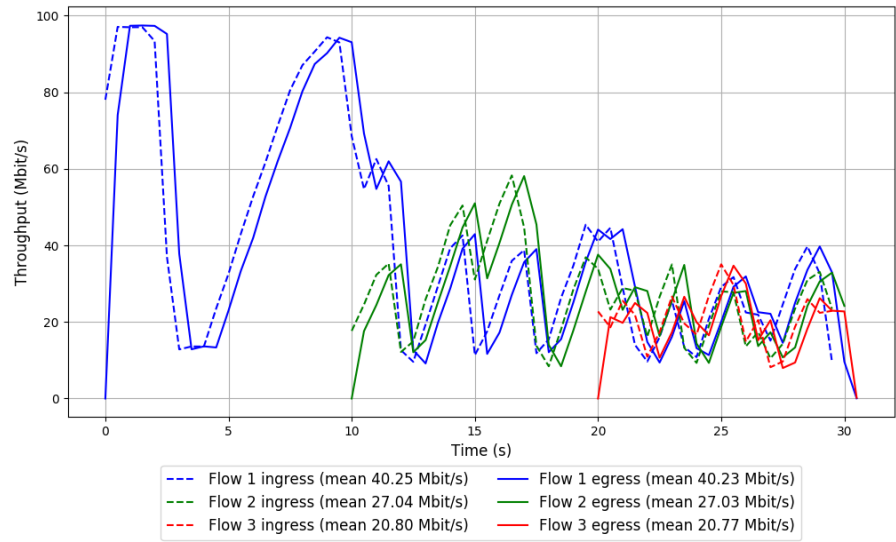
-- Flow 3:

Average throughput: 20.77 Mbit/s

95th percentile per-packet one-way delay: 13.771 ms

Loss rate: 0.12%

Run 9: Report of TCP Vegas — Data Link

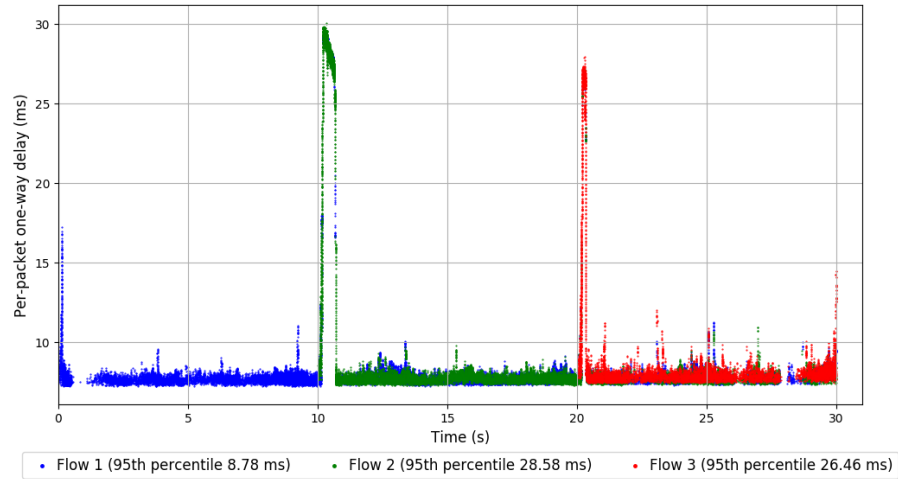
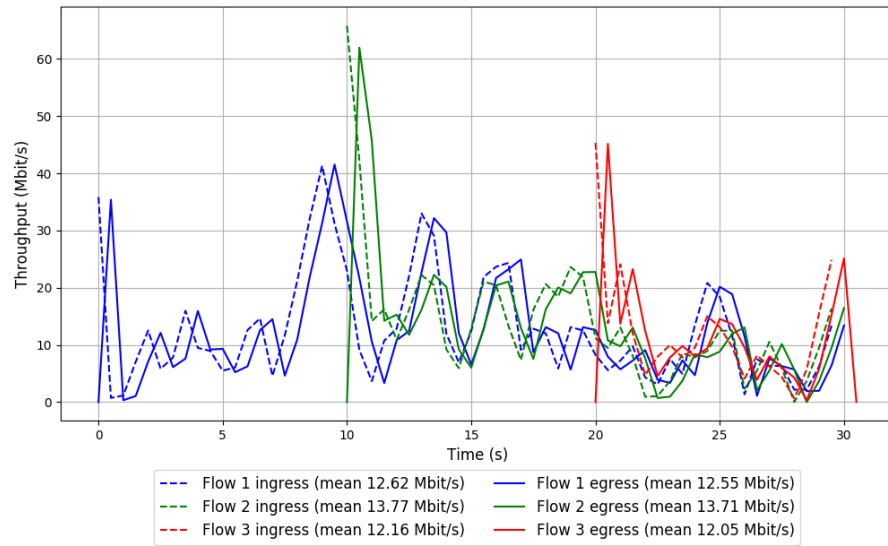


Run 10: Statistics of TCP Vegas

Start at: 2018-06-30 00:11:10
End at: 2018-06-30 00:11:40
Local clock offset: 3.069 ms
Remote clock offset: -7.713 ms

Below is generated by plot.py at 2018-06-30 00:33:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.69 Mbit/s
95th percentile per-packet one-way delay: 27.366 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 12.55 Mbit/s
95th percentile per-packet one-way delay: 8.778 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 13.71 Mbit/s
95th percentile per-packet one-way delay: 28.584 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 26.465 ms
Loss rate: 0.85%

Run 10: Report of TCP Vegas — Data Link

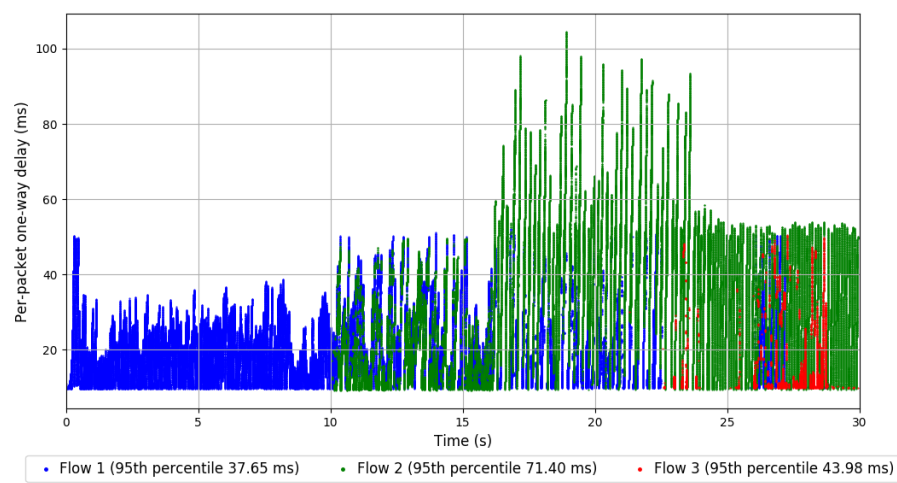
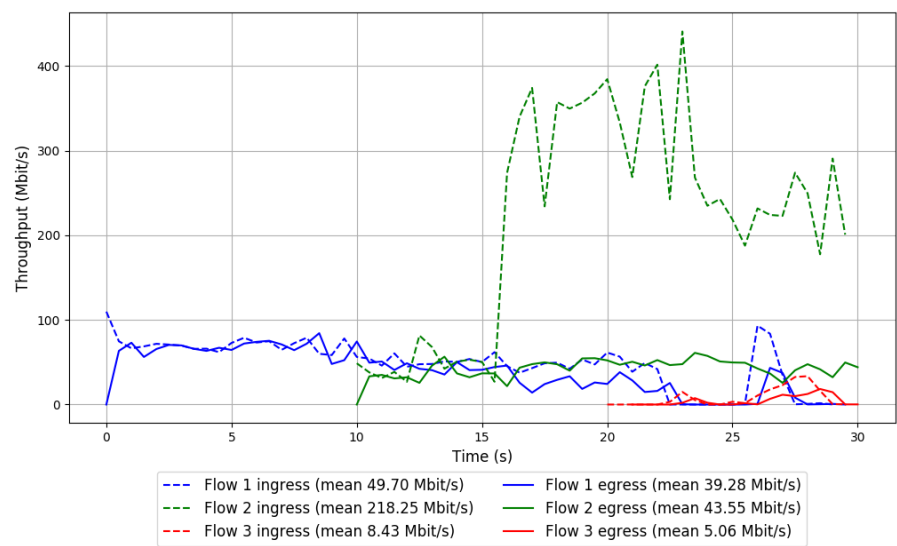


Run 1: Statistics of Verus

Start at: 2018-06-29 21:03:04
End at: 2018-06-29 21:03:34
Local clock offset: 1.487 ms
Remote clock offset: -5.378 ms

Below is generated by plot.py at 2018-06-30 00:33:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.62 Mbit/s
95th percentile per-packet one-way delay: 57.139 ms
Loss rate: 64.99%
-- Flow 1:
Average throughput: 39.28 Mbit/s
95th percentile per-packet one-way delay: 37.646 ms
Loss rate: 20.93%
-- Flow 2:
Average throughput: 43.55 Mbit/s
95th percentile per-packet one-way delay: 71.404 ms
Loss rate: 80.03%
-- Flow 3:
Average throughput: 5.06 Mbit/s
95th percentile per-packet one-way delay: 43.978 ms
Loss rate: 46.25%

Run 1: Report of Verus — Data Link

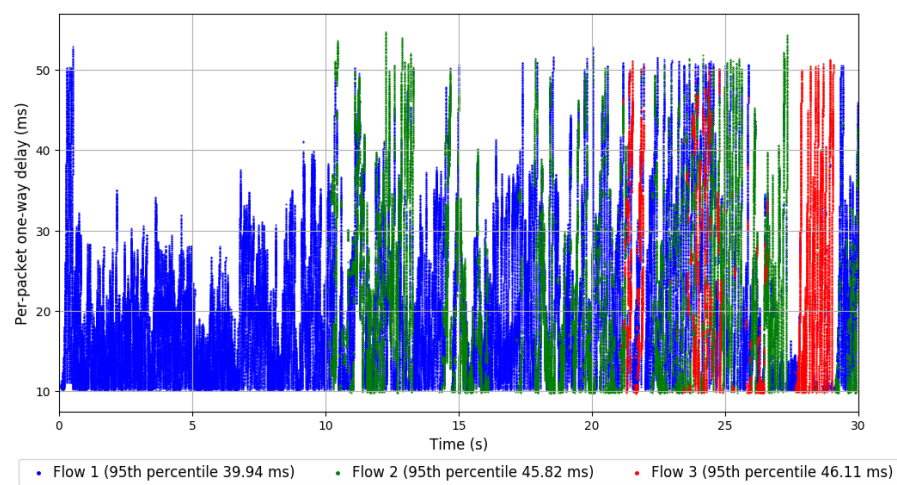
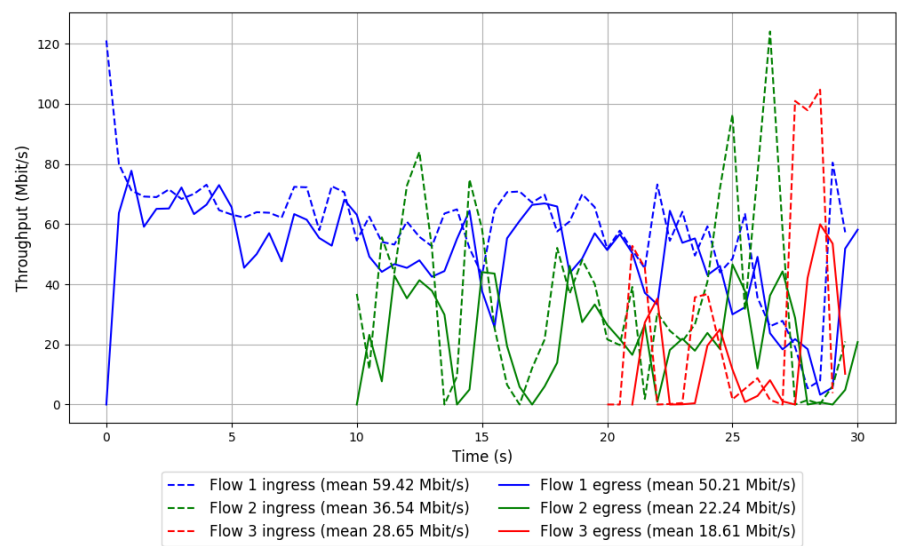


Run 2: Statistics of Verus

Start at: 2018-06-29 21:22:38
End at: 2018-06-29 21:23:08
Local clock offset: -0.04 ms
Remote clock offset: -9.091 ms

Below is generated by plot.py at 2018-06-30 00:33:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.98 Mbit/s
95th percentile per-packet one-way delay: 42.985 ms
Loss rate: 24.13%
-- Flow 1:
Average throughput: 50.21 Mbit/s
95th percentile per-packet one-way delay: 39.938 ms
Loss rate: 15.41%
-- Flow 2:
Average throughput: 22.24 Mbit/s
95th percentile per-packet one-way delay: 45.823 ms
Loss rate: 39.04%
-- Flow 3:
Average throughput: 18.61 Mbit/s
95th percentile per-packet one-way delay: 46.108 ms
Loss rate: 42.18%

Run 2: Report of Verus — Data Link

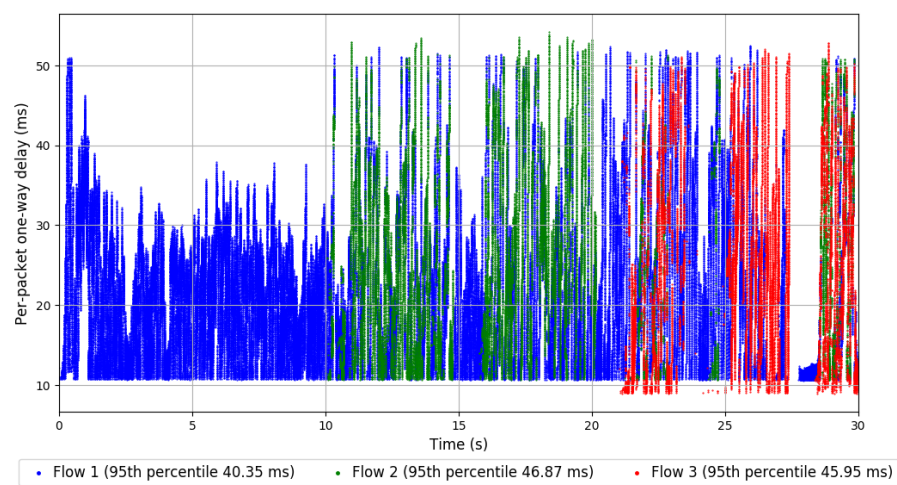
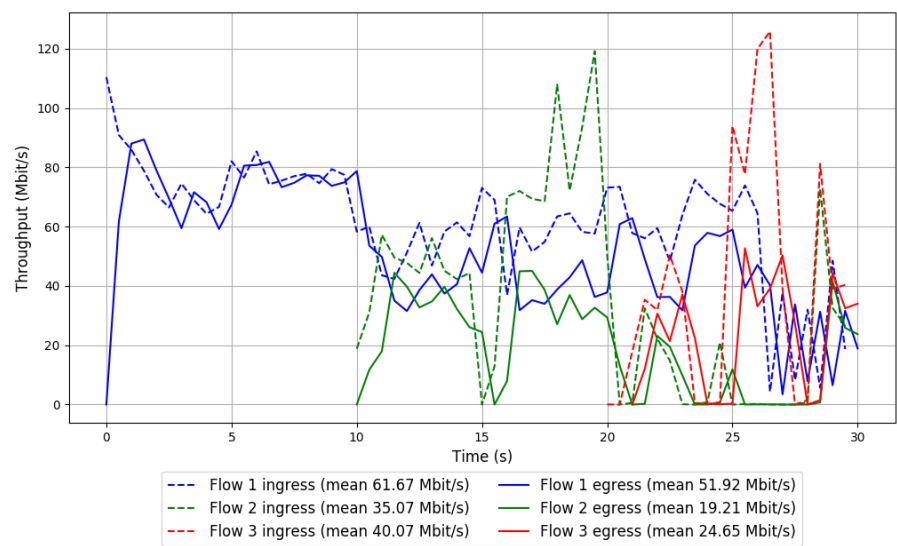


Run 3: Statistics of Verus

Start at: 2018-06-29 21:42:03
End at: 2018-06-29 21:42:33
Local clock offset: -0.57 ms
Remote clock offset: -5.745 ms

Below is generated by plot.py at 2018-06-30 00:33:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.03 Mbit/s
95th percentile per-packet one-way delay: 43.261 ms
Loss rate: 26.69%
-- Flow 1:
Average throughput: 51.92 Mbit/s
95th percentile per-packet one-way delay: 40.346 ms
Loss rate: 15.82%
-- Flow 2:
Average throughput: 19.21 Mbit/s
95th percentile per-packet one-way delay: 46.867 ms
Loss rate: 45.22%
-- Flow 3:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 45.950 ms
Loss rate: 44.68%

Run 3: Report of Verus — Data Link

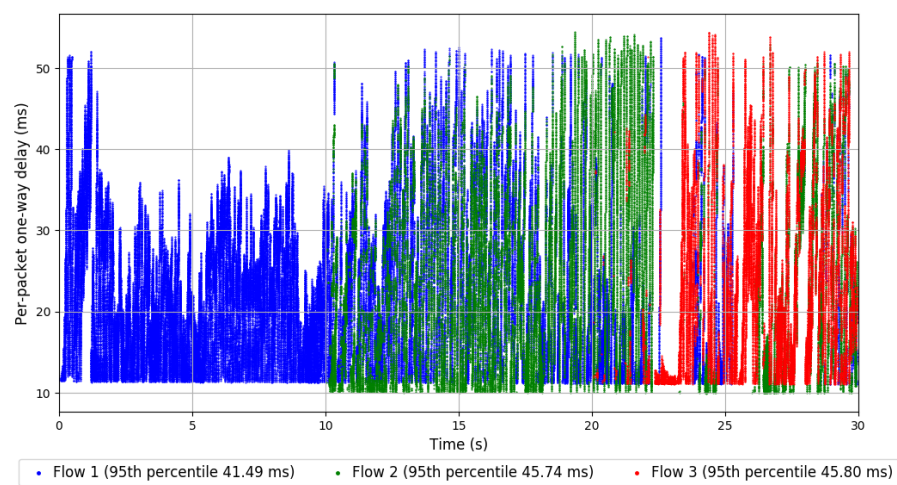
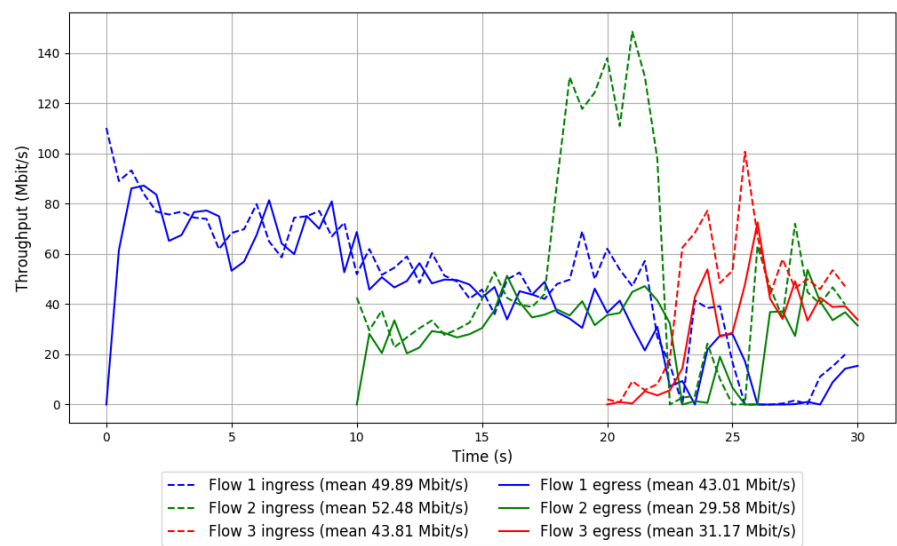


Run 4: Statistics of Verus

Start at: 2018-06-29 22:01:54
End at: 2018-06-29 22:02:24
Local clock offset: 0.088 ms
Remote clock offset: -1.934 ms

Below is generated by plot.py at 2018-06-30 00:33:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.98 Mbit/s
95th percentile per-packet one-way delay: 43.815 ms
Loss rate: 26.47%
-- Flow 1:
Average throughput: 43.01 Mbit/s
95th percentile per-packet one-way delay: 41.493 ms
Loss rate: 13.79%
-- Flow 2:
Average throughput: 29.58 Mbit/s
95th percentile per-packet one-way delay: 45.736 ms
Loss rate: 43.61%
-- Flow 3:
Average throughput: 31.17 Mbit/s
95th percentile per-packet one-way delay: 45.801 ms
Loss rate: 28.85%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-06-29 22:21:26

End at: 2018-06-29 22:21:56

Local clock offset: 2.009 ms

Remote clock offset: 5.759 ms

Below is generated by plot.py at 2018-06-30 00:33:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.68 Mbit/s

95th percentile per-packet one-way delay: 39.470 ms

Loss rate: 18.65%

-- Flow 1:

Average throughput: 40.14 Mbit/s

95th percentile per-packet one-way delay: 36.304 ms

Loss rate: 18.52%

-- Flow 2:

Average throughput: 34.47 Mbit/s

95th percentile per-packet one-way delay: 41.582 ms

Loss rate: 15.66%

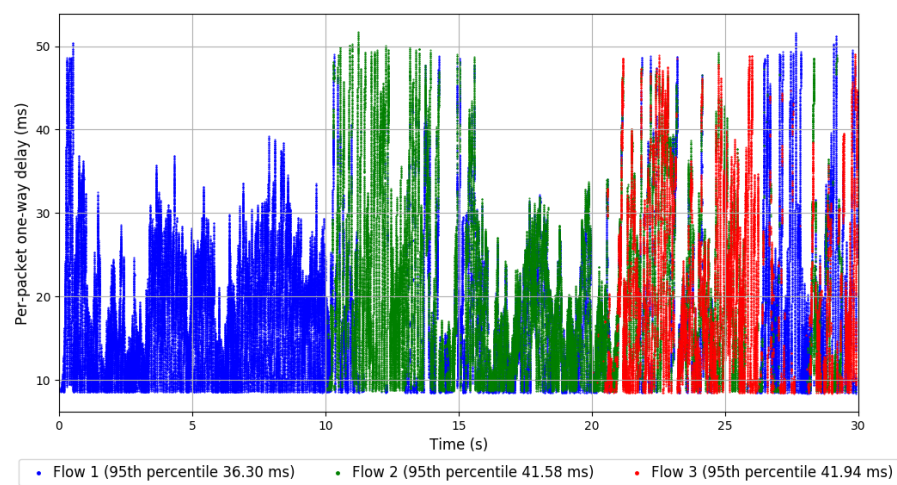
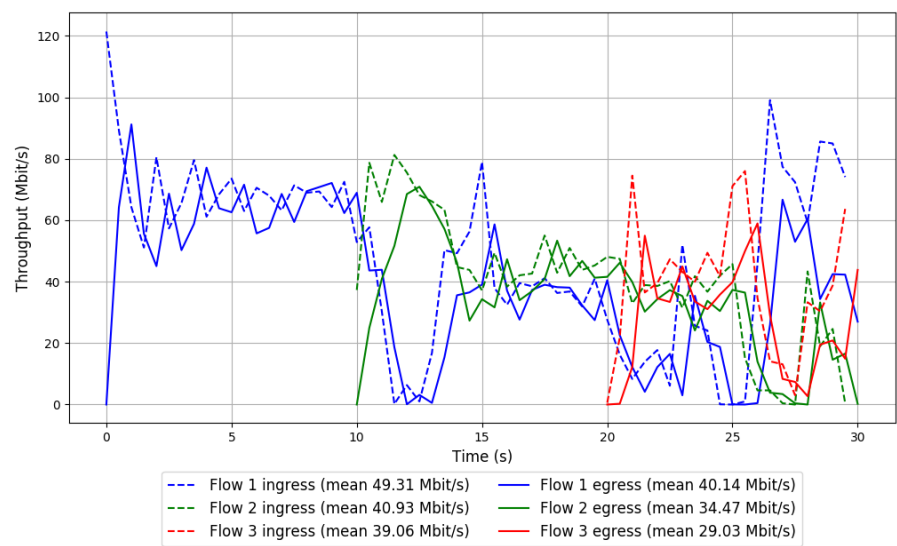
-- Flow 3:

Average throughput: 29.03 Mbit/s

95th percentile per-packet one-way delay: 41.941 ms

Loss rate: 25.43%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-06-29 22:40:57

End at: 2018-06-29 22:41:27

Local clock offset: 0.727 ms

Remote clock offset: 5.555 ms

Below is generated by plot.py at 2018-06-30 00:33:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.59 Mbit/s

95th percentile per-packet one-way delay: 45.576 ms

Loss rate: 53.15%

-- Flow 1:

Average throughput: 33.74 Mbit/s

95th percentile per-packet one-way delay: 43.744 ms

Loss rate: 56.85%

-- Flow 2:

Average throughput: 24.13 Mbit/s

95th percentile per-packet one-way delay: 46.884 ms

Loss rate: 47.30%

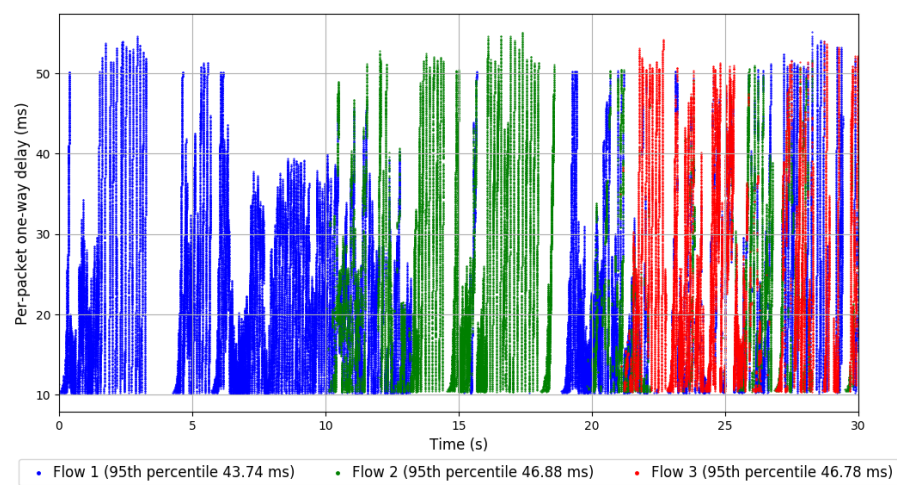
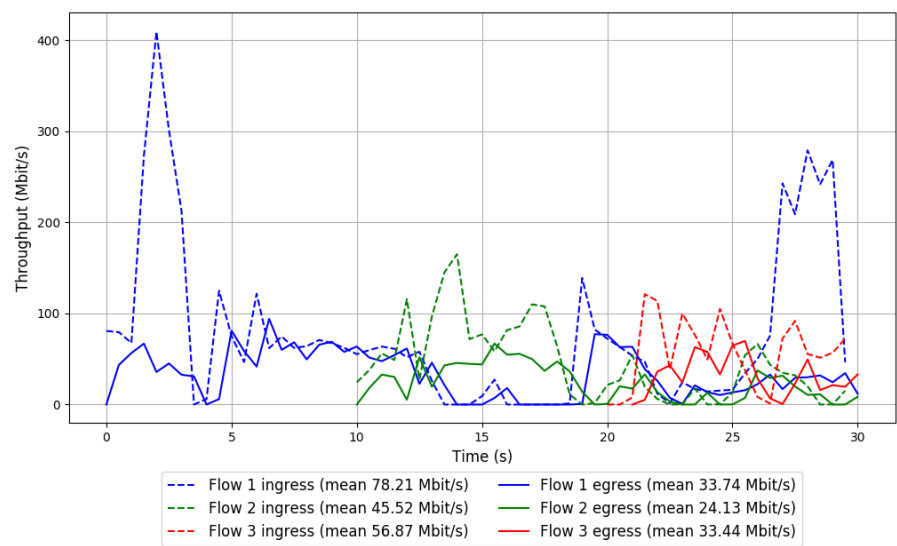
-- Flow 3:

Average throughput: 33.44 Mbit/s

95th percentile per-packet one-way delay: 46.779 ms

Loss rate: 47.15%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-06-29 23:00:27

End at: 2018-06-29 23:00:57

Local clock offset: 1.102 ms

Remote clock offset: 4.117 ms

Below is generated by plot.py at 2018-06-30 00:34:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.64 Mbit/s

95th percentile per-packet one-way delay: 45.177 ms

Loss rate: 59.75%

-- Flow 1:

Average throughput: 43.09 Mbit/s

95th percentile per-packet one-way delay: 45.343 ms

Loss rate: 63.60%

-- Flow 2:

Average throughput: 20.09 Mbit/s

95th percentile per-packet one-way delay: 45.336 ms

Loss rate: 47.70%

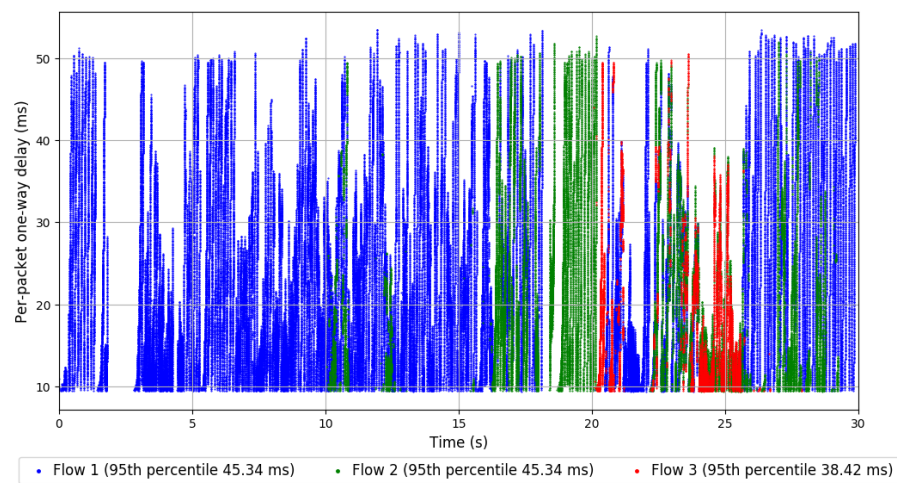
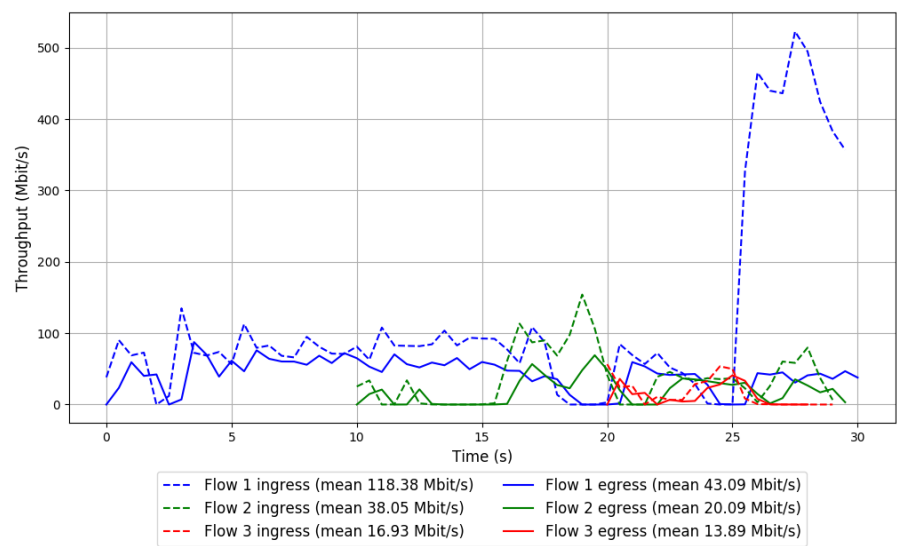
-- Flow 3:

Average throughput: 13.89 Mbit/s

95th percentile per-packet one-way delay: 38.424 ms

Loss rate: 28.96%

Run 7: Report of Verus — Data Link

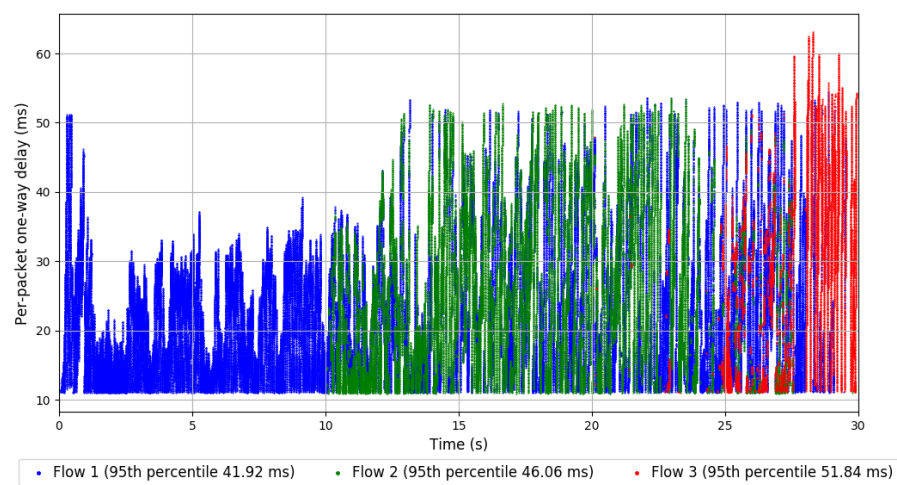
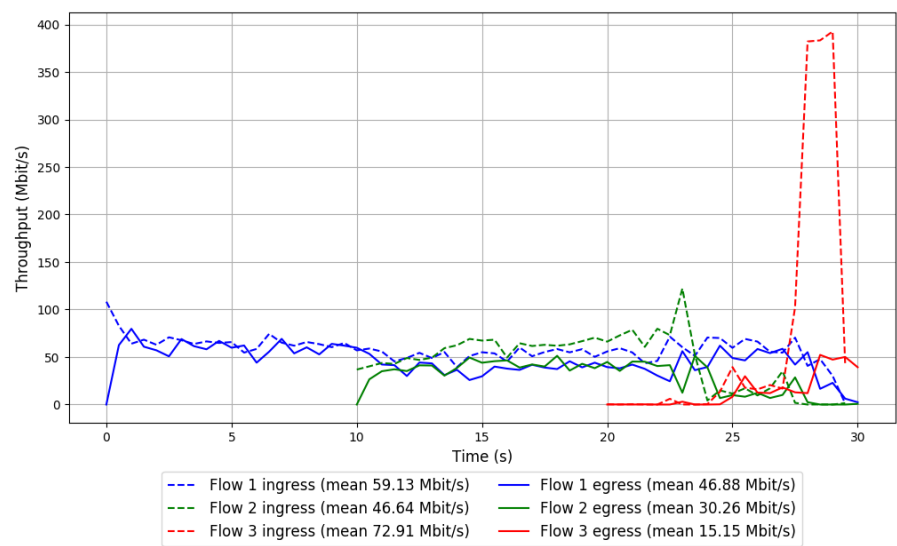


Run 8: Statistics of Verus

Start at: 2018-06-29 23:20:06
End at: 2018-06-29 23:20:36
Local clock offset: -0.067 ms
Remote clock offset: 1.48 ms

Below is generated by plot.py at 2018-06-30 00:34:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.29 Mbit/s
95th percentile per-packet one-way delay: 44.739 ms
Loss rate: 37.08%
-- Flow 1:
Average throughput: 46.88 Mbit/s
95th percentile per-packet one-way delay: 41.925 ms
Loss rate: 20.75%
-- Flow 2:
Average throughput: 30.26 Mbit/s
95th percentile per-packet one-way delay: 46.062 ms
Loss rate: 35.21%
-- Flow 3:
Average throughput: 15.15 Mbit/s
95th percentile per-packet one-way delay: 51.844 ms
Loss rate: 79.23%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-06-29 23:39:50

End at: 2018-06-29 23:40:20

Local clock offset: 2.034 ms

Remote clock offset: 0.522 ms

Below is generated by plot.py at 2018-06-30 00:34:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.42 Mbit/s

95th percentile per-packet one-way delay: 43.178 ms

Loss rate: 35.17%

-- Flow 1:

Average throughput: 49.48 Mbit/s

95th percentile per-packet one-way delay: 42.272 ms

Loss rate: 33.94%

-- Flow 2:

Average throughput: 36.60 Mbit/s

95th percentile per-packet one-way delay: 44.460 ms

Loss rate: 37.76%

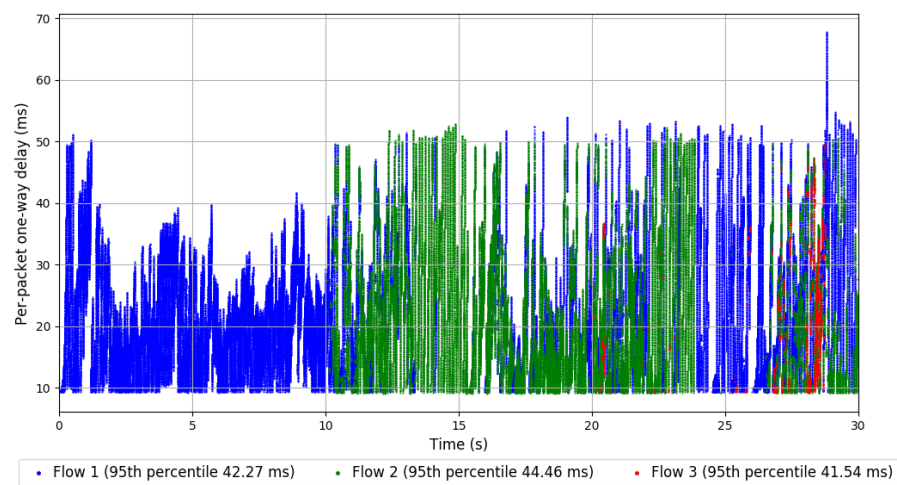
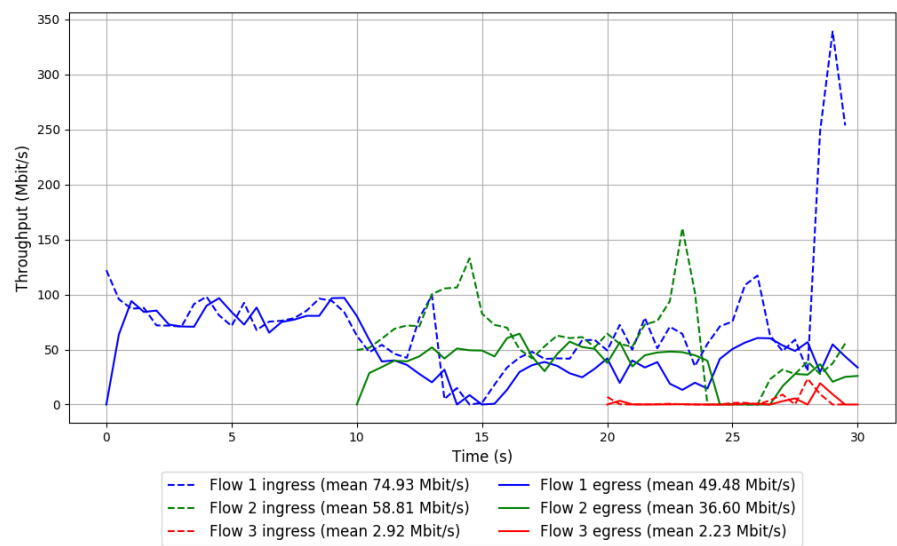
-- Flow 3:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 41.536 ms

Loss rate: 25.19%

Run 9: Report of Verus — Data Link

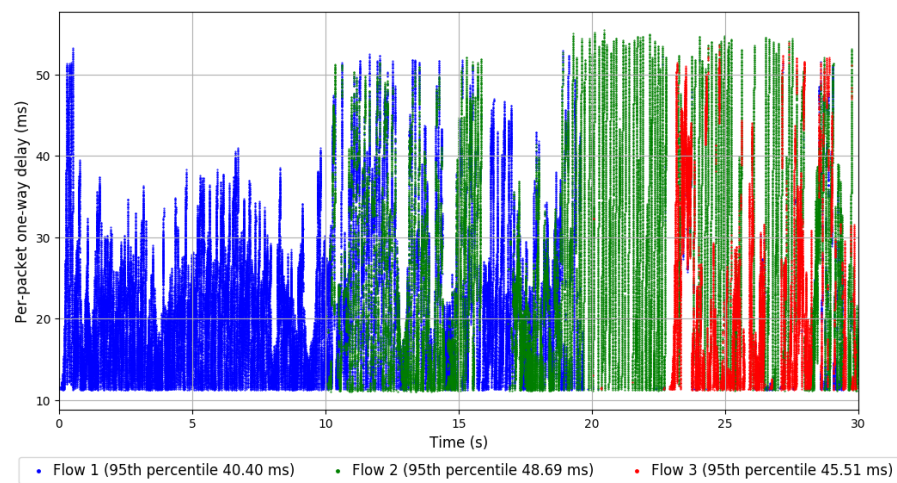
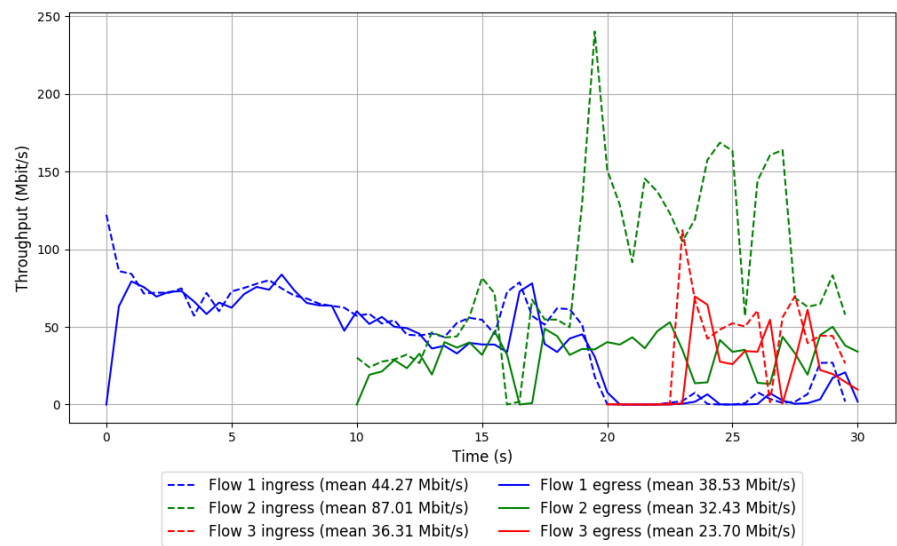


Run 10: Statistics of Verus

Start at: 2018-06-29 23:59:27
End at: 2018-06-29 23:59:57
Local clock offset: -0.446 ms
Remote clock offset: -5.975 ms

Below is generated by plot.py at 2018-06-30 00:34:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.62 Mbit/s
95th percentile per-packet one-way delay: 45.192 ms
Loss rate: 40.59%
-- Flow 1:
Average throughput: 38.53 Mbit/s
95th percentile per-packet one-way delay: 40.400 ms
Loss rate: 13.04%
-- Flow 2:
Average throughput: 32.43 Mbit/s
95th percentile per-packet one-way delay: 48.687 ms
Loss rate: 62.73%
-- Flow 3:
Average throughput: 23.70 Mbit/s
95th percentile per-packet one-way delay: 45.512 ms
Loss rate: 34.75%

Run 10: Report of Verus — Data Link

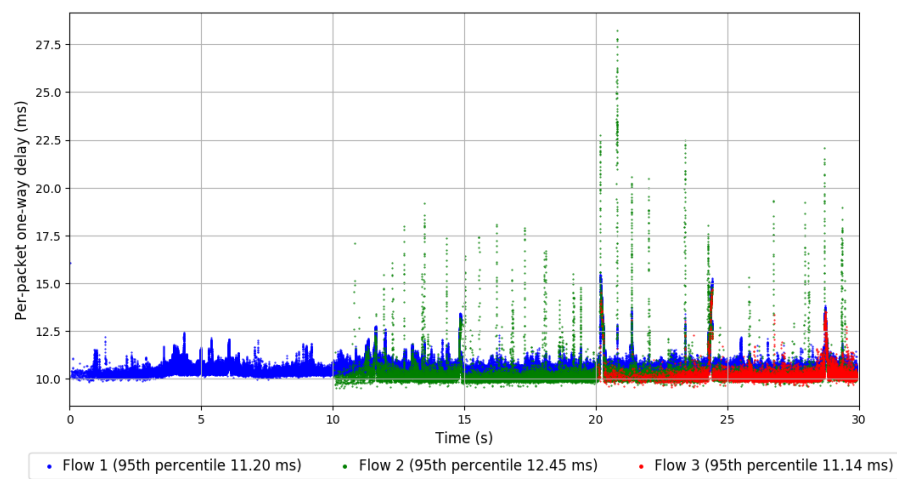
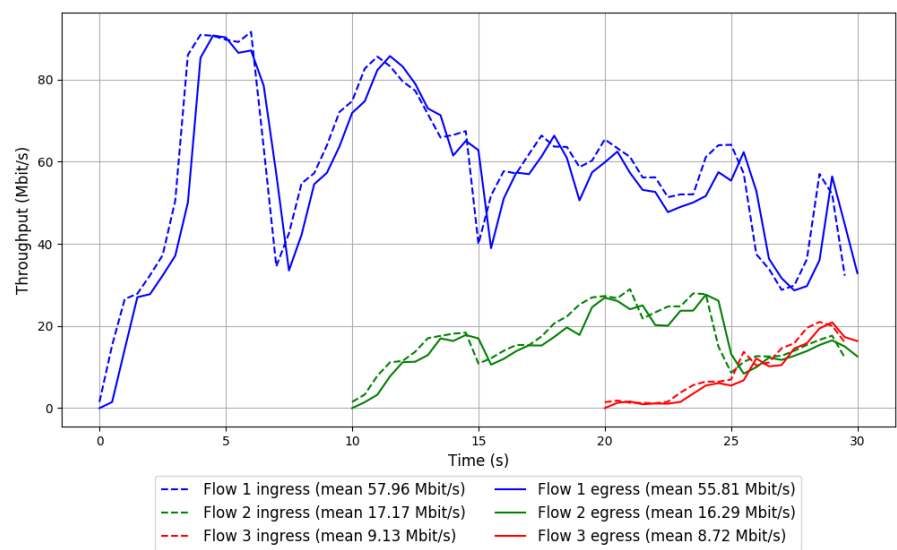


Run 1: Statistics of PCC-Vivace

Start at: 2018-06-29 21:04:16
End at: 2018-06-29 21:04:46
Local clock offset: 0.839 ms
Remote clock offset: -5.846 ms

Below is generated by plot.py at 2018-06-30 00:34:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.53 Mbit/s
95th percentile per-packet one-way delay: 11.264 ms
Loss rate: 3.98%
-- Flow 1:
Average throughput: 55.81 Mbit/s
95th percentile per-packet one-way delay: 11.195 ms
Loss rate: 3.72%
-- Flow 2:
Average throughput: 16.29 Mbit/s
95th percentile per-packet one-way delay: 12.453 ms
Loss rate: 5.12%
-- Flow 3:
Average throughput: 8.72 Mbit/s
95th percentile per-packet one-way delay: 11.137 ms
Loss rate: 4.51%

Run 1: Report of PCC-Vivace — Data Link

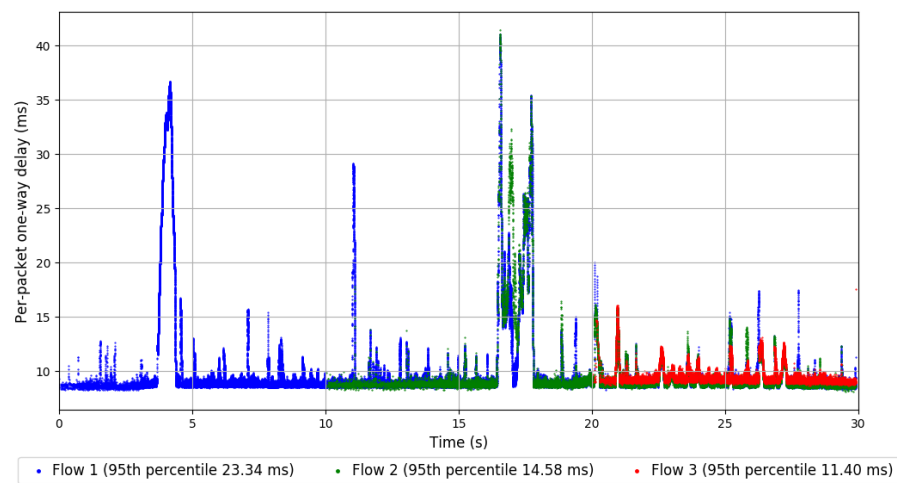
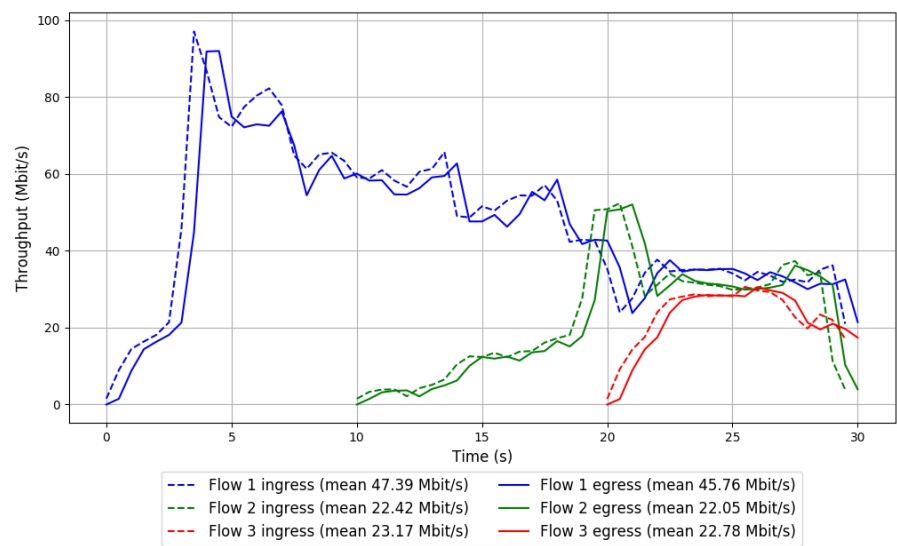


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-29 21:23:50
End at: 2018-06-29 21:24:20
Local clock offset: 0.731 ms
Remote clock offset: -9.698 ms

Below is generated by plot.py at 2018-06-30 00:34:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.94 Mbit/s
95th percentile per-packet one-way delay: 18.582 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 45.76 Mbit/s
95th percentile per-packet one-way delay: 23.341 ms
Loss rate: 3.43%
-- Flow 2:
Average throughput: 22.05 Mbit/s
95th percentile per-packet one-way delay: 14.578 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 22.78 Mbit/s
95th percentile per-packet one-way delay: 11.398 ms
Loss rate: 1.59%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-06-29 21:43:15

End at: 2018-06-29 21:43:45

Local clock offset: -0.729 ms

Remote clock offset: -5.66 ms

Below is generated by plot.py at 2018-06-30 00:34:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.74 Mbit/s

95th percentile per-packet one-way delay: 14.362 ms

Loss rate: 2.84%

-- Flow 1:

Average throughput: 50.08 Mbit/s

95th percentile per-packet one-way delay: 16.046 ms

Loss rate: 2.84%

-- Flow 2:

Average throughput: 30.22 Mbit/s

95th percentile per-packet one-way delay: 13.321 ms

Loss rate: 2.69%

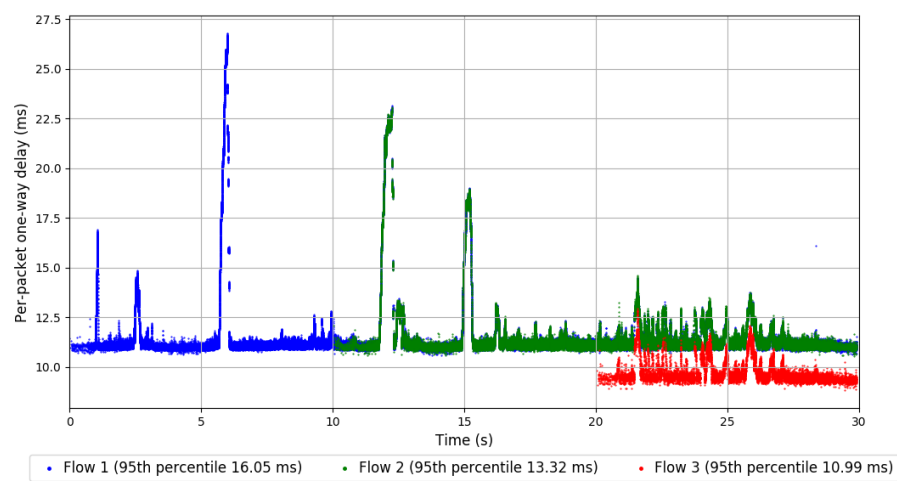
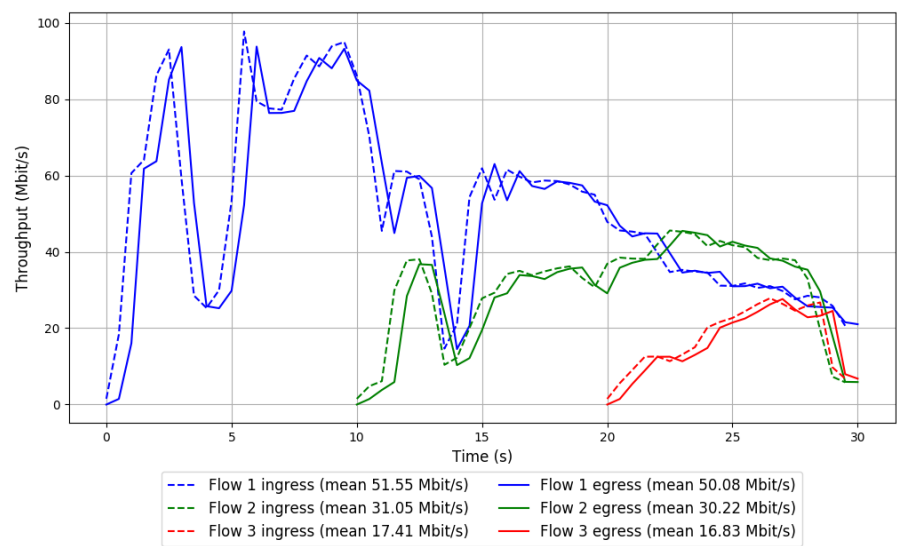
-- Flow 3:

Average throughput: 16.83 Mbit/s

95th percentile per-packet one-way delay: 10.994 ms

Loss rate: 3.32%

Run 3: Report of PCC-Vivace — Data Link

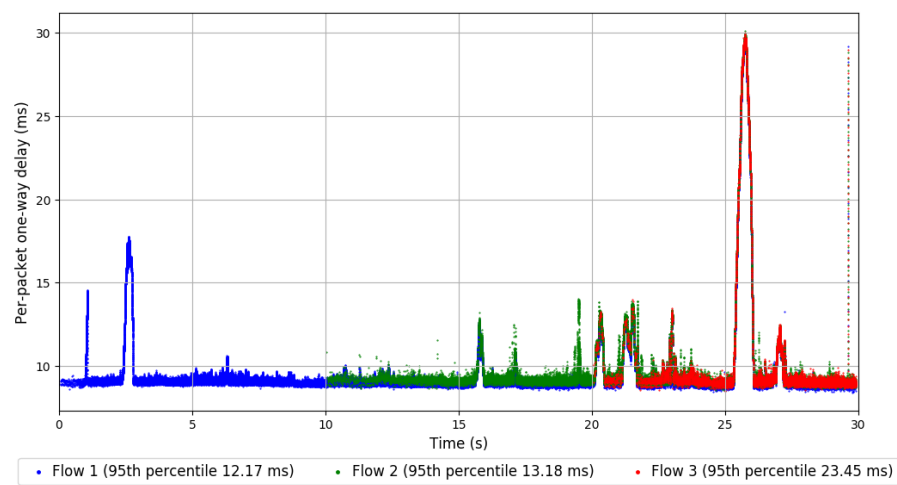
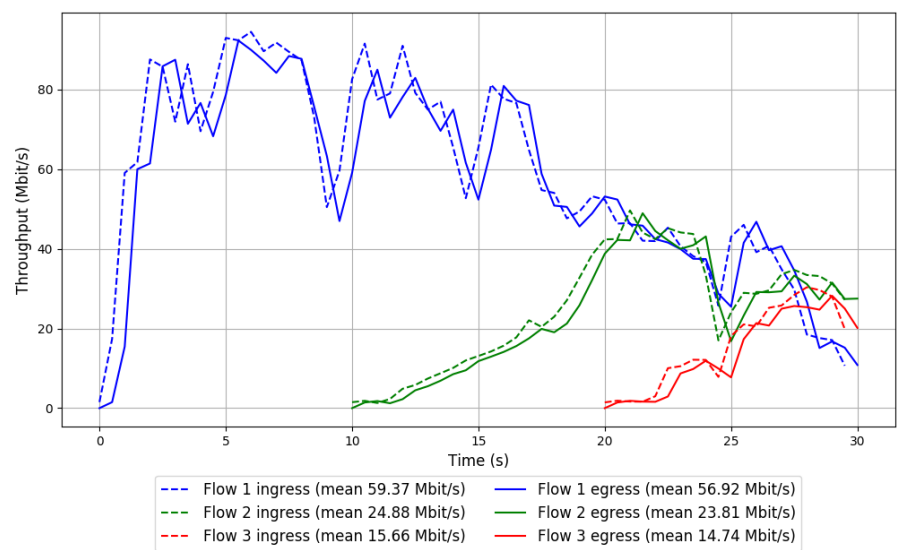


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-29 22:03:05
End at: 2018-06-29 22:03:35
Local clock offset: 1.315 ms
Remote clock offset: -1.126 ms

Below is generated by plot.py at 2018-06-30 00:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.62 Mbit/s
95th percentile per-packet one-way delay: 12.781 ms
Loss rate: 4.28%
-- Flow 1:
Average throughput: 56.92 Mbit/s
95th percentile per-packet one-way delay: 12.166 ms
Loss rate: 4.13%
-- Flow 2:
Average throughput: 23.81 Mbit/s
95th percentile per-packet one-way delay: 13.183 ms
Loss rate: 4.33%
-- Flow 3:
Average throughput: 14.74 Mbit/s
95th percentile per-packet one-way delay: 23.448 ms
Loss rate: 5.90%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-29 22:22:36

End at: 2018-06-29 22:23:06

Local clock offset: 0.697 ms

Remote clock offset: 6.404 ms

Below is generated by plot.py at 2018-06-30 00:35:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.96 Mbit/s

95th percentile per-packet one-way delay: 14.529 ms

Loss rate: 6.00%

-- Flow 1:

Average throughput: 44.77 Mbit/s

95th percentile per-packet one-way delay: 15.525 ms

Loss rate: 5.60%

-- Flow 2:

Average throughput: 37.88 Mbit/s

95th percentile per-packet one-way delay: 10.955 ms

Loss rate: 6.61%

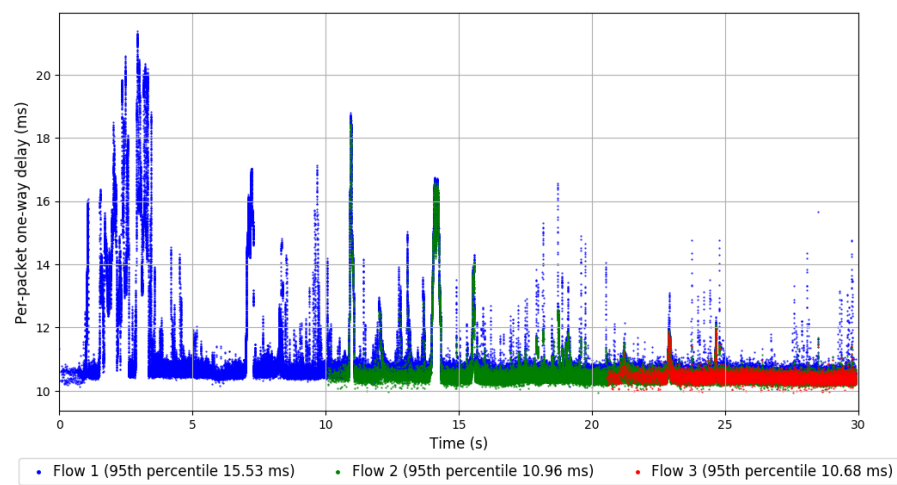
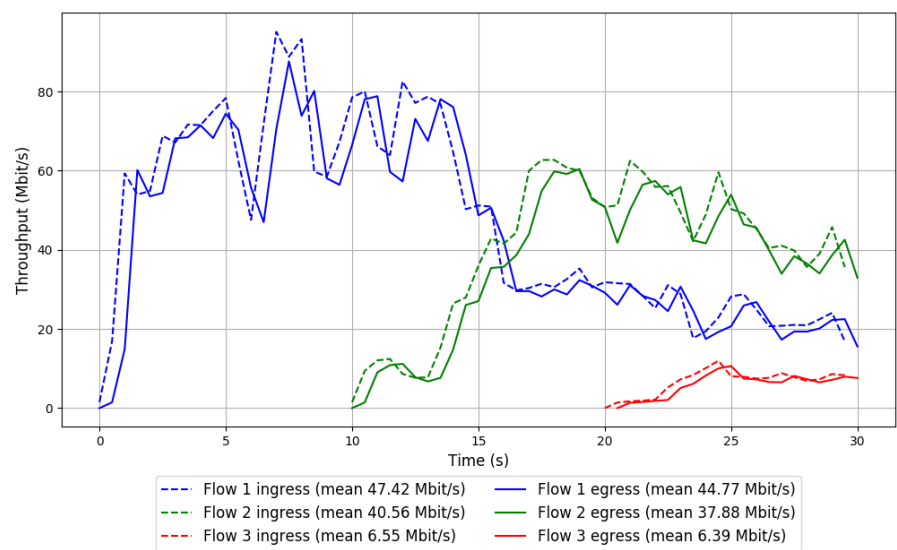
-- Flow 3:

Average throughput: 6.39 Mbit/s

95th percentile per-packet one-way delay: 10.678 ms

Loss rate: 7.40%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-29 22:42:09

End at: 2018-06-29 22:42:39

Local clock offset: 0.192 ms

Remote clock offset: 4.615 ms

Below is generated by plot.py at 2018-06-30 00:35:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.57 Mbit/s

95th percentile per-packet one-way delay: 10.714 ms

Loss rate: 6.66%

-- Flow 1:

Average throughput: 34.03 Mbit/s

95th percentile per-packet one-way delay: 10.569 ms

Loss rate: 5.44%

-- Flow 2:

Average throughput: 35.42 Mbit/s

95th percentile per-packet one-way delay: 10.898 ms

Loss rate: 8.28%

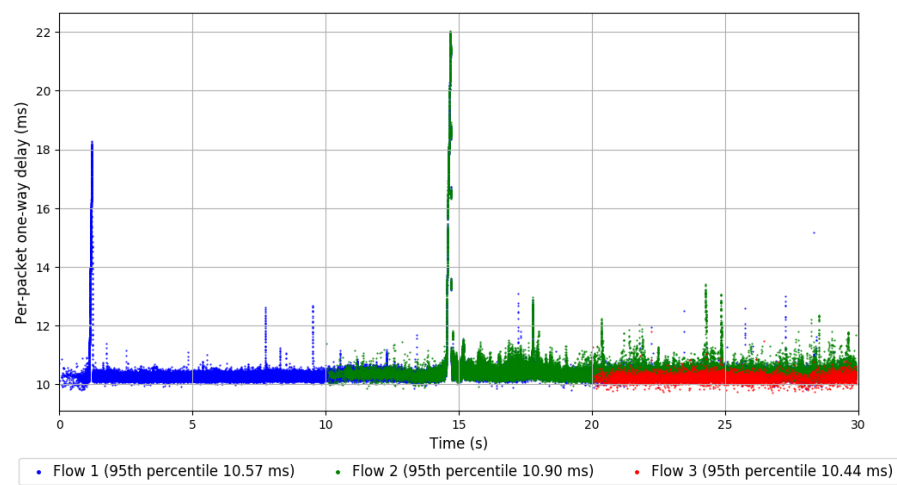
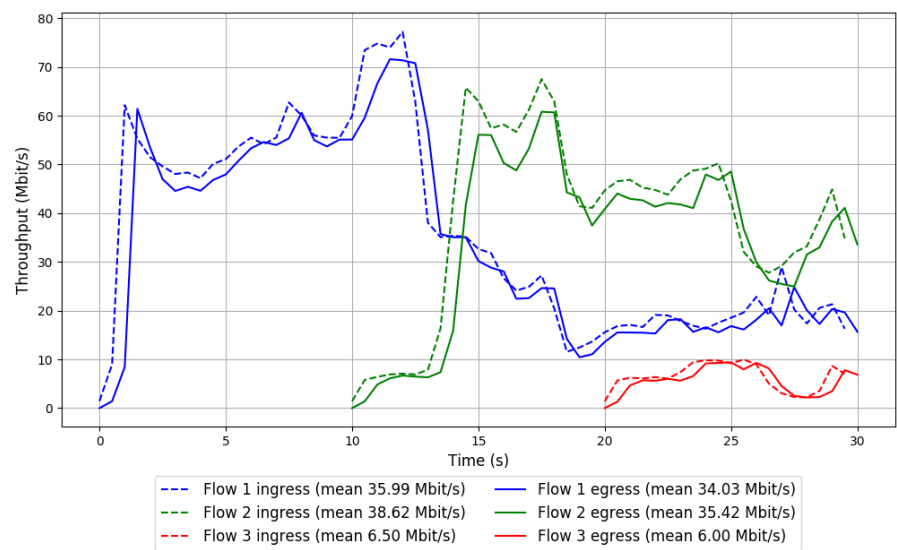
-- Flow 3:

Average throughput: 6.00 Mbit/s

95th percentile per-packet one-way delay: 10.444 ms

Loss rate: 7.71%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-06-29 23:01:37

End at: 2018-06-29 23:02:07

Local clock offset: 0.031 ms

Remote clock offset: 3.681 ms

Below is generated by plot.py at 2018-06-30 00:35:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.45 Mbit/s

95th percentile per-packet one-way delay: 10.908 ms

Loss rate: 5.38%

-- Flow 1:

Average throughput: 31.04 Mbit/s

95th percentile per-packet one-way delay: 10.561 ms

Loss rate: 4.80%

-- Flow 2:

Average throughput: 20.74 Mbit/s

95th percentile per-packet one-way delay: 12.342 ms

Loss rate: 6.77%

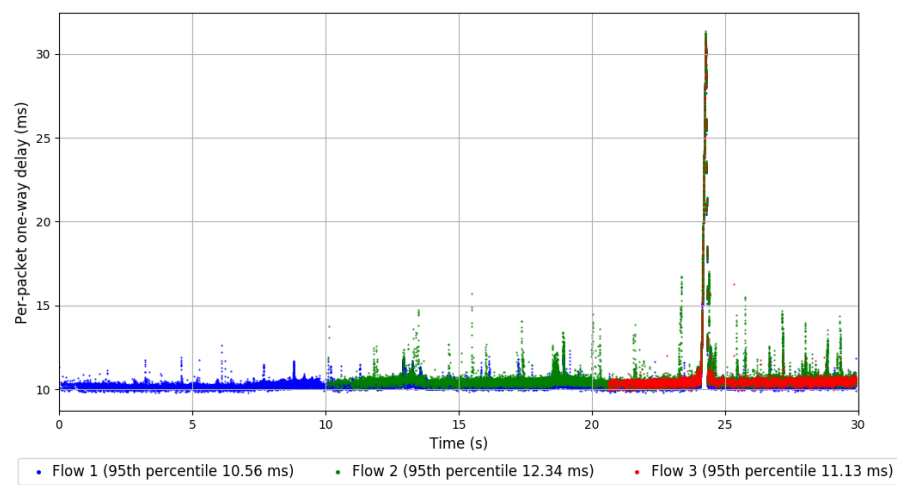
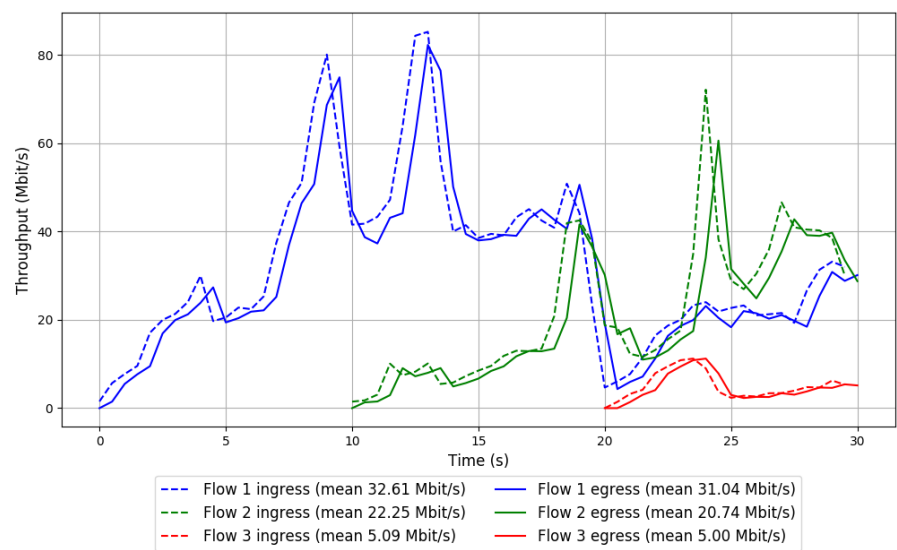
-- Flow 3:

Average throughput: 5.00 Mbit/s

95th percentile per-packet one-way delay: 11.128 ms

Loss rate: 4.42%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-29 23:21:16

End at: 2018-06-29 23:21:46

Local clock offset: -0.233 ms

Remote clock offset: 1.865 ms

Below is generated by plot.py at 2018-06-30 00:35:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.84 Mbit/s

95th percentile per-packet one-way delay: 13.155 ms

Loss rate: 3.74%

-- Flow 1:

Average throughput: 38.24 Mbit/s

95th percentile per-packet one-way delay: 13.137 ms

Loss rate: 3.58%

-- Flow 2:

Average throughput: 36.47 Mbit/s

95th percentile per-packet one-way delay: 13.156 ms

Loss rate: 4.09%

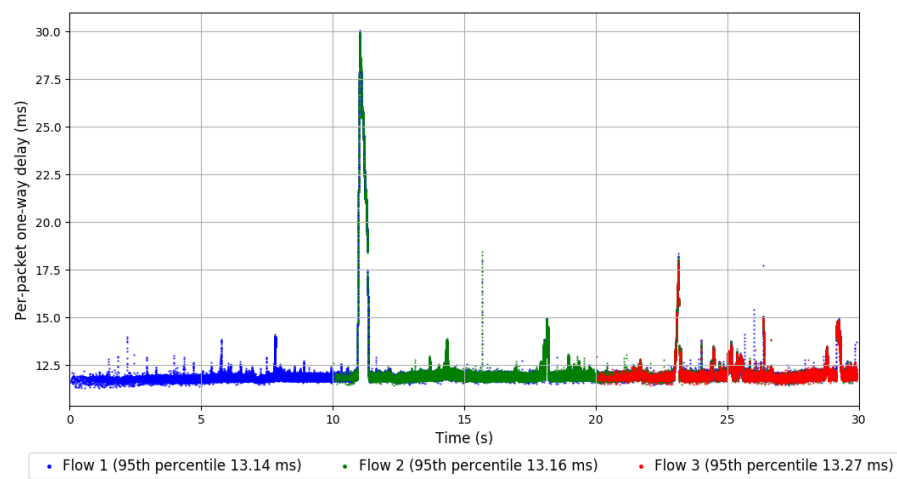
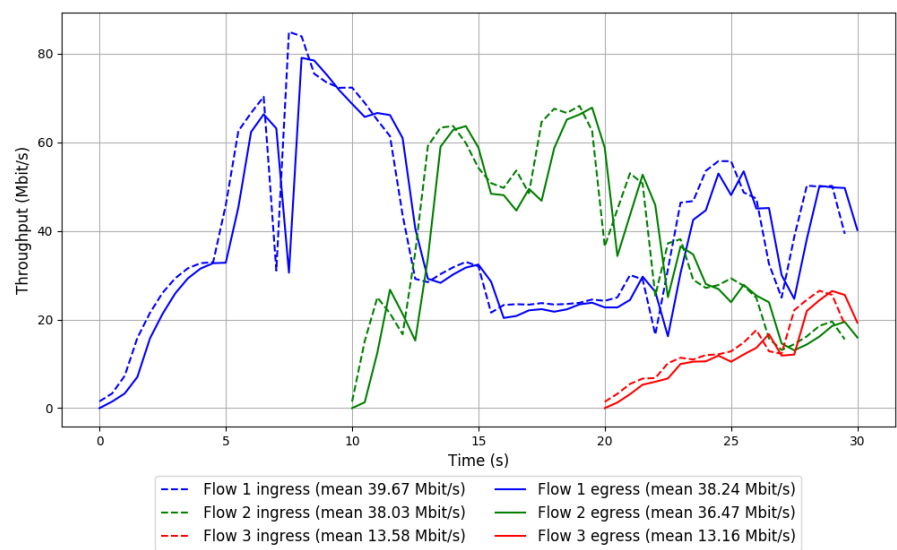
-- Flow 3:

Average throughput: 13.16 Mbit/s

95th percentile per-packet one-way delay: 13.266 ms

Loss rate: 3.13%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-29 23:41:00

End at: 2018-06-29 23:41:31

Local clock offset: 0.903 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-06-30 00:35:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.28 Mbit/s

95th percentile per-packet one-way delay: 12.789 ms

Loss rate: 2.32%

-- Flow 1:

Average throughput: 61.81 Mbit/s

95th percentile per-packet one-way delay: 12.895 ms

Loss rate: 2.42%

-- Flow 2:

Average throughput: 15.81 Mbit/s

95th percentile per-packet one-way delay: 12.318 ms

Loss rate: 2.12%

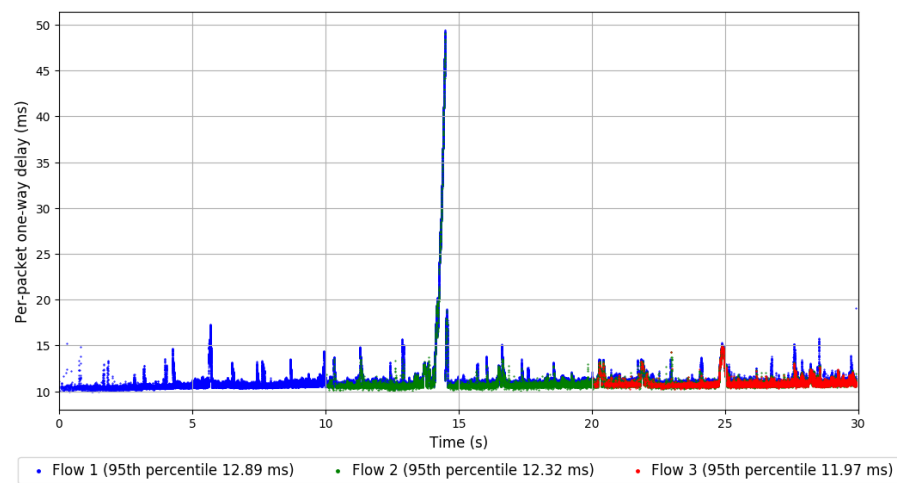
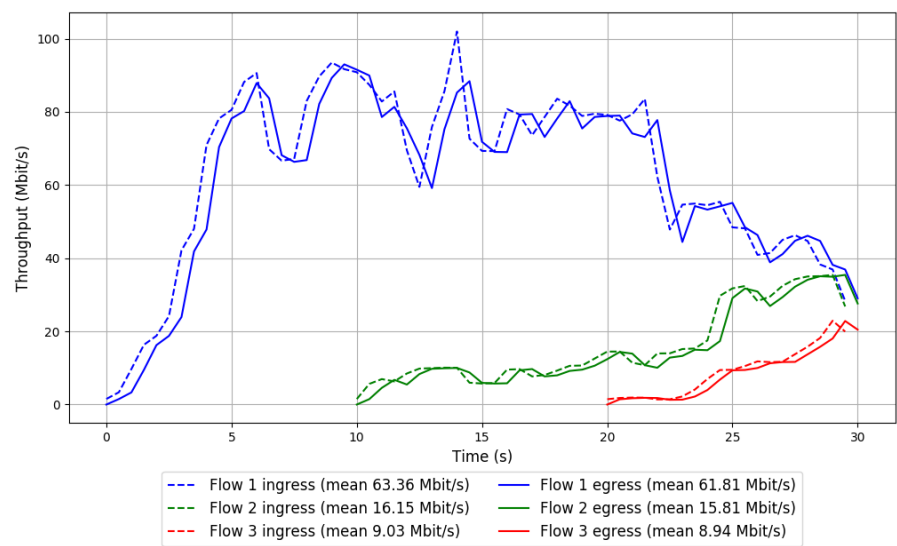
-- Flow 3:

Average throughput: 8.94 Mbit/s

95th percentile per-packet one-way delay: 11.968 ms

Loss rate: 0.97%

Run 9: Report of PCC-Vivace — Data Link

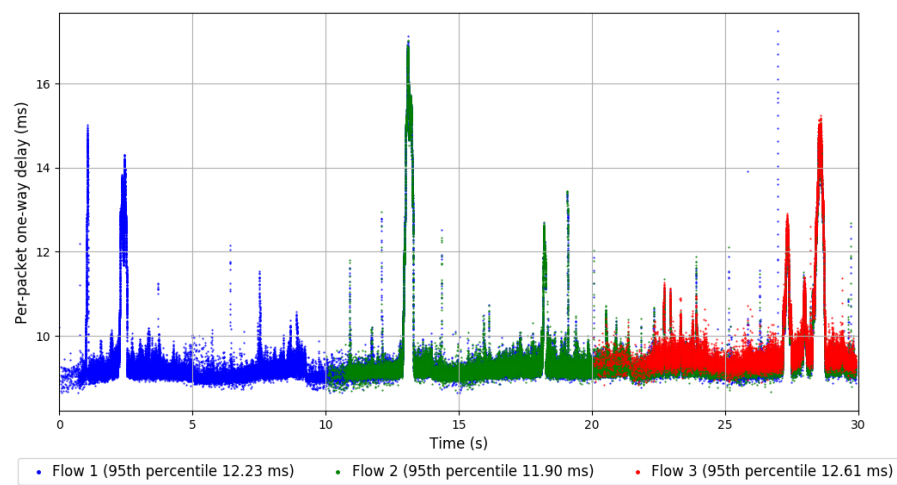
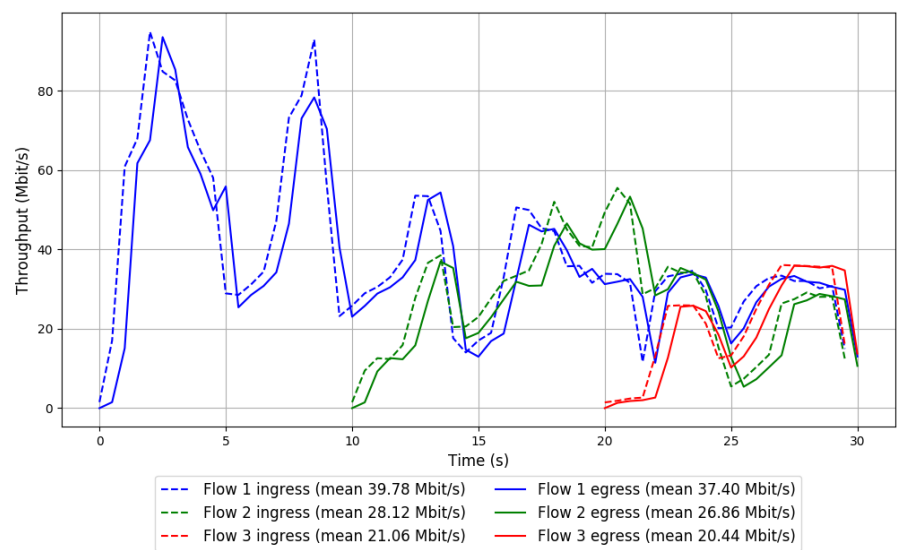


Run 10: Statistics of PCC-Vivace

Start at: 2018-06-30 00:00:37
End at: 2018-06-30 00:01:07
Local clock offset: 1.383 ms
Remote clock offset: -6.486 ms

Below is generated by plot.py at 2018-06-30 00:35:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.01 Mbit/s
95th percentile per-packet one-way delay: 12.226 ms
Loss rate: 5.24%
-- Flow 1:
Average throughput: 37.40 Mbit/s
95th percentile per-packet one-way delay: 12.227 ms
Loss rate: 6.00%
-- Flow 2:
Average throughput: 26.86 Mbit/s
95th percentile per-packet one-way delay: 11.898 ms
Loss rate: 4.50%
-- Flow 3:
Average throughput: 20.44 Mbit/s
95th percentile per-packet one-way delay: 12.606 ms
Loss rate: 2.95%

Run 10: Report of PCC-Vivace — Data Link

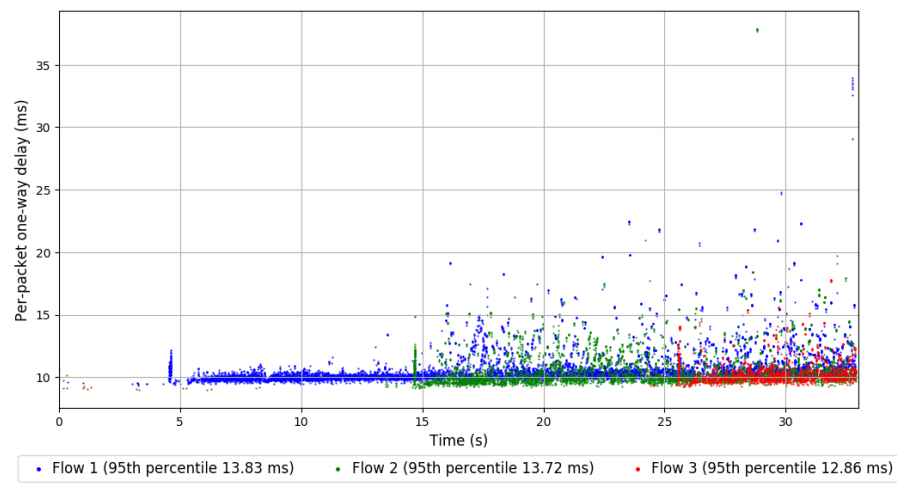
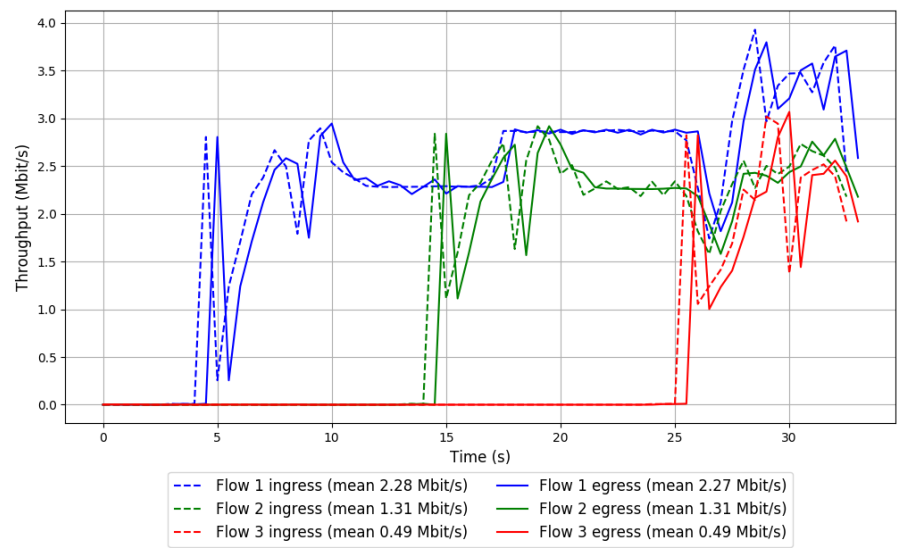


Run 1: Statistics of WebRTC media

Start at: 2018-06-29 20:56:21
End at: 2018-06-29 20:56:51
Local clock offset: 0.536 ms
Remote clock offset: -2.583 ms

Below is generated by plot.py at 2018-06-30 00:35:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 13.717 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 13.834 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 13.720 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 12.864 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

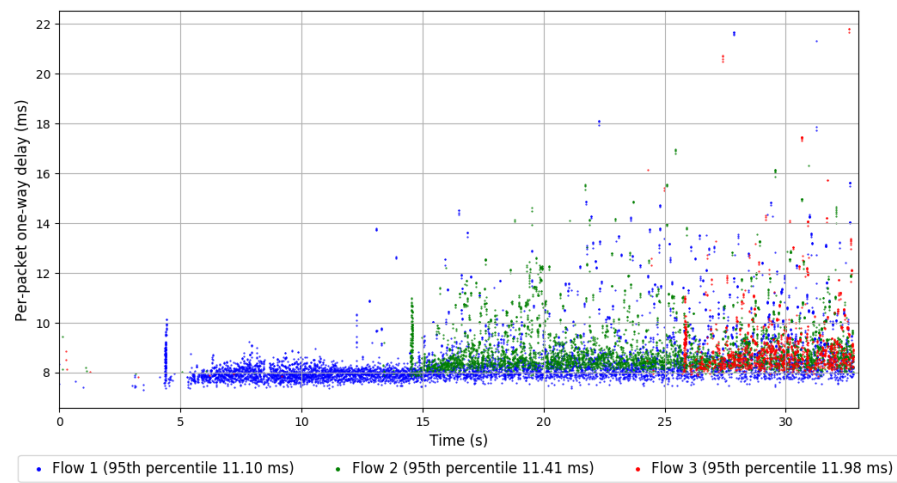
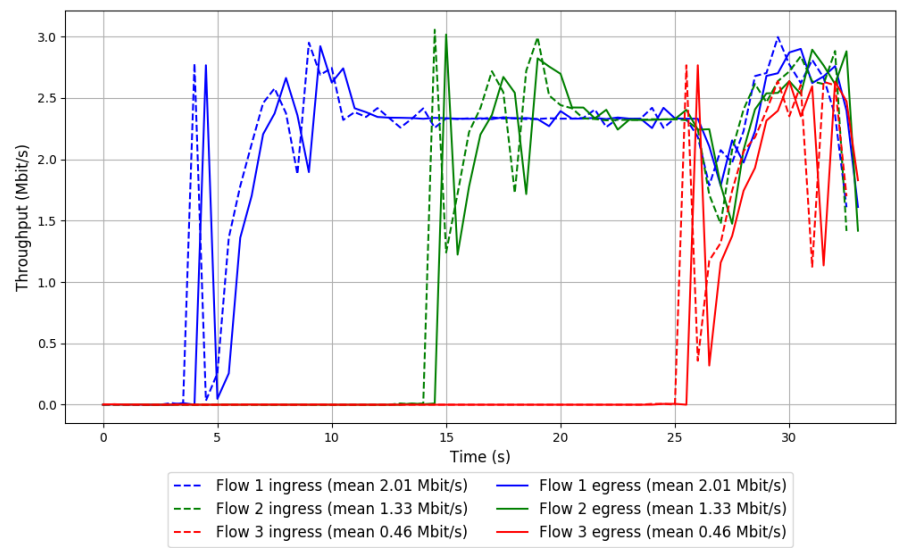


Run 2: Statistics of WebRTC media

Start at: 2018-06-29 21:15:57
End at: 2018-06-29 21:16:27
Local clock offset: 2.757 ms
Remote clock offset: -8.196 ms

Below is generated by plot.py at 2018-06-30 00:35:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 11.303 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 11.104 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 11.411 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 11.982 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

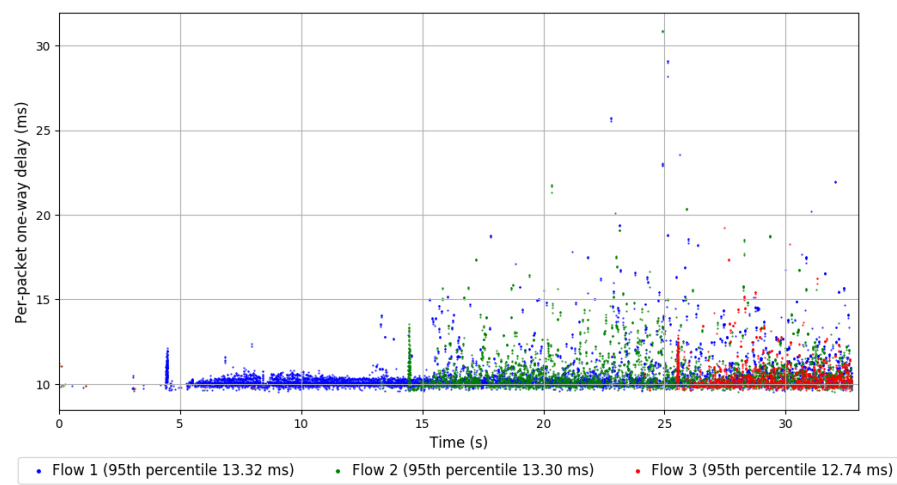
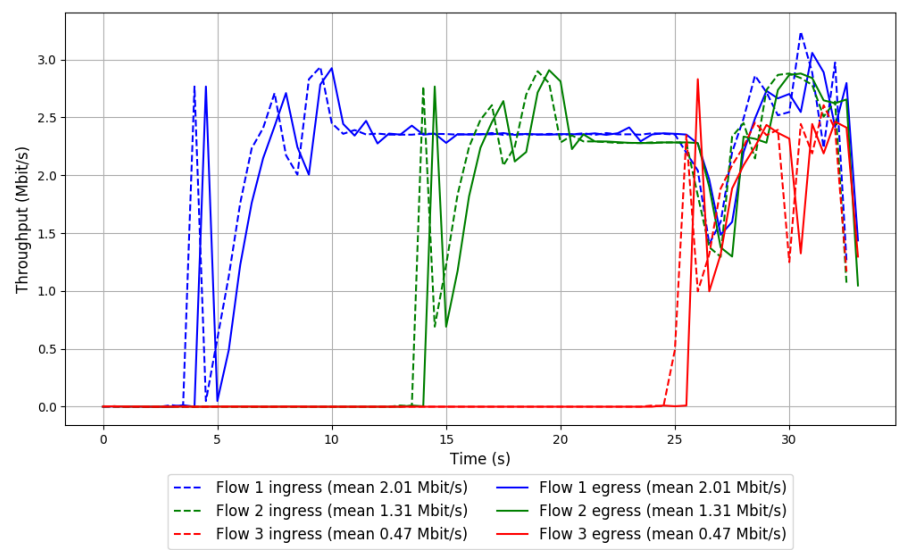


Run 3: Statistics of WebRTC media

Start at: 2018-06-29 21:35:22
End at: 2018-06-29 21:35:52
Local clock offset: -1.203 ms
Remote clock offset: -6.901 ms

Below is generated by plot.py at 2018-06-30 00:35:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 13.248 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 13.321 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 13.299 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 12.736 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

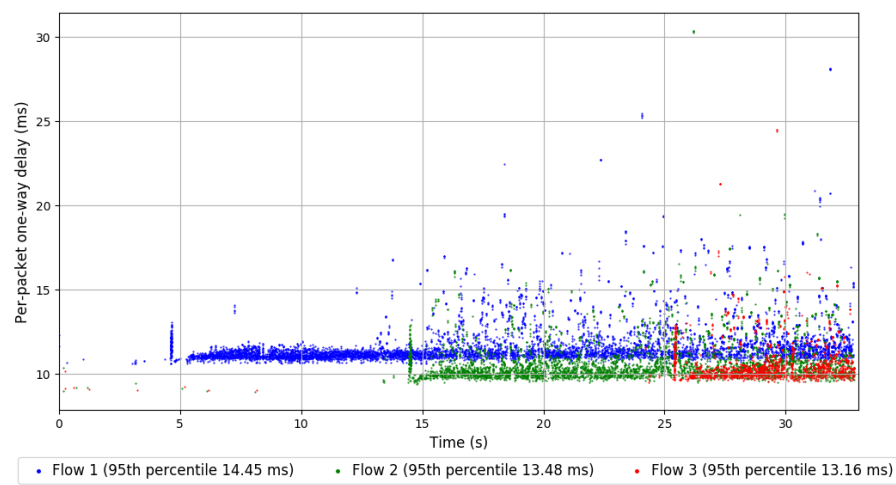
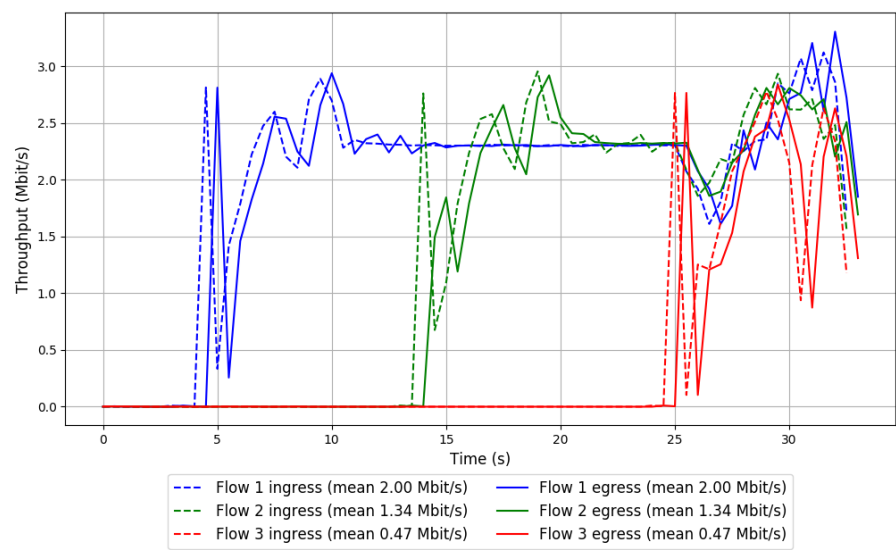


Run 4: Statistics of WebRTC media

Start at: 2018-06-29 21:55:03
End at: 2018-06-29 21:55:33
Local clock offset: 0.276 ms
Remote clock offset: -5.183 ms

Below is generated by plot.py at 2018-06-30 00:35:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 13.957 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 14.447 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 13.479 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 13.164 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-06-29 22:14:43

End at: 2018-06-29 22:15:13

Local clock offset: 0.889 ms

Remote clock offset: 4.513 ms

Below is generated by plot.py at 2018-06-30 00:35:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.61 Mbit/s

95th percentile per-packet one-way delay: 13.912 ms

Loss rate: 1.01%

-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 14.018 ms

Loss rate: 1.17%

-- Flow 2:

Average throughput: 1.74 Mbit/s

95th percentile per-packet one-way delay: 14.026 ms

Loss rate: 1.05%

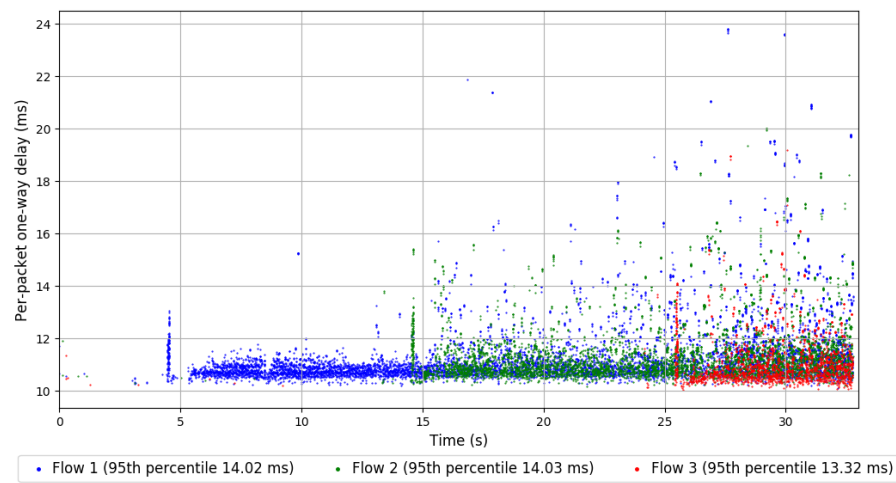
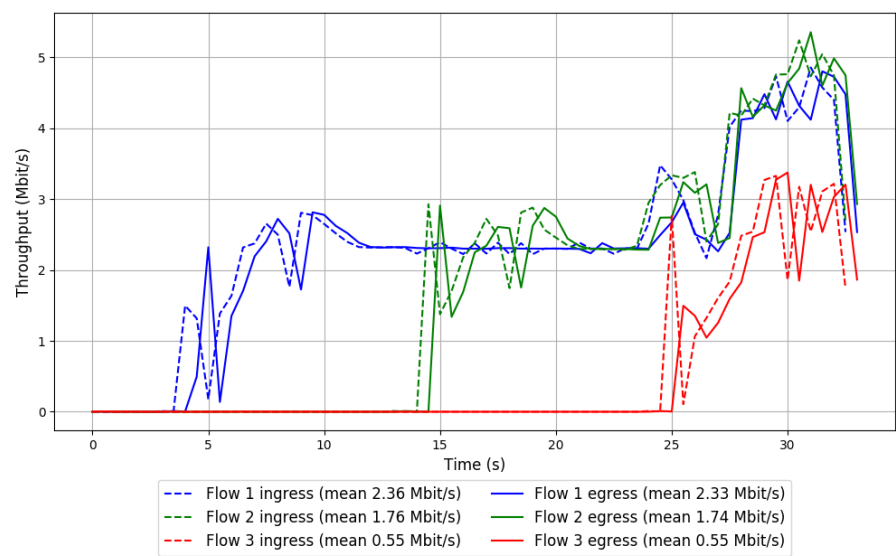
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 13.325 ms

Loss rate: 0.16%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-06-29 22:34:14

End at: 2018-06-29 22:34:44

Local clock offset: 2.592 ms

Remote clock offset: 7.047 ms

Below is generated by plot.py at 2018-06-30 00:35:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.58 Mbit/s

95th percentile per-packet one-way delay: 11.595 ms

Loss rate: 1.58%

-- Flow 1:

Average throughput: 2.46 Mbit/s

95th percentile per-packet one-way delay: 11.578 ms

Loss rate: 1.12%

-- Flow 2:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 11.510 ms

Loss rate: 2.01%

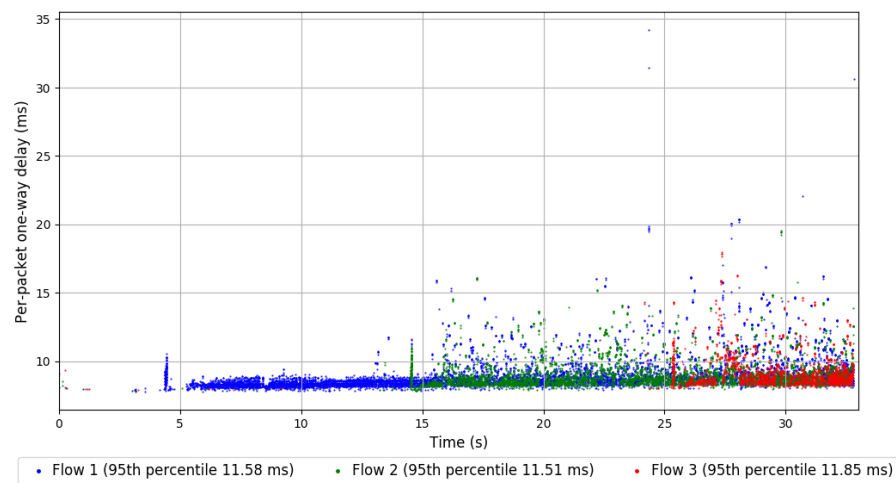
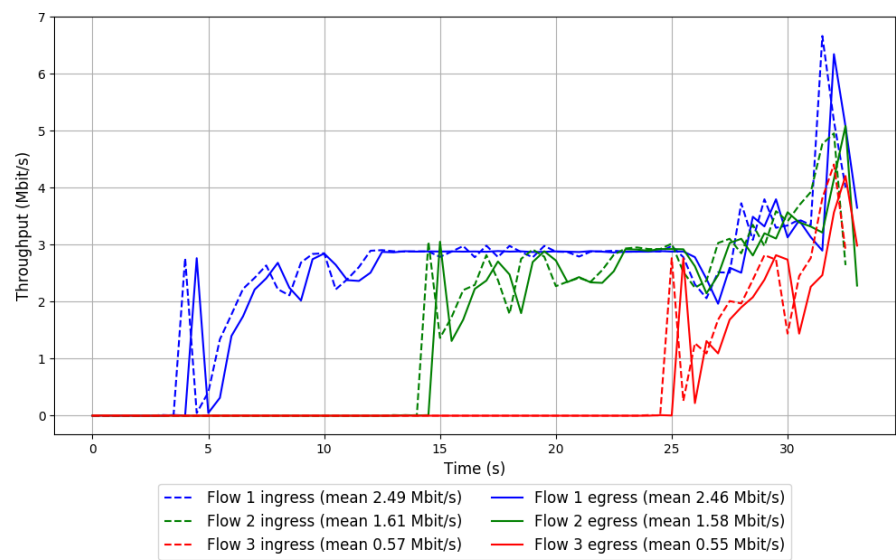
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 11.849 ms

Loss rate: 2.35%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-06-29 22:53:44

End at: 2018-06-29 22:54:14

Local clock offset: 1.73 ms

Remote clock offset: 4.213 ms

Below is generated by plot.py at 2018-06-30 00:35:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.01 Mbit/s

95th percentile per-packet one-way delay: 12.527 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 12.409 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 12.485 ms

Loss rate: 0.00%

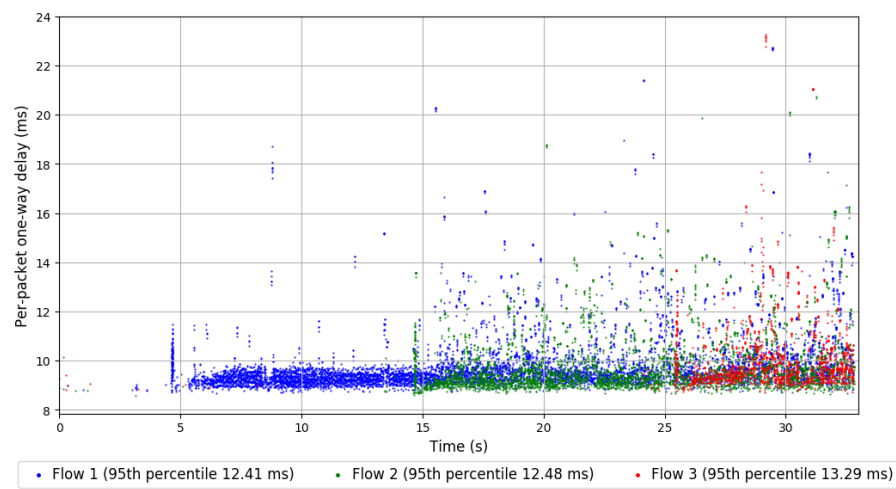
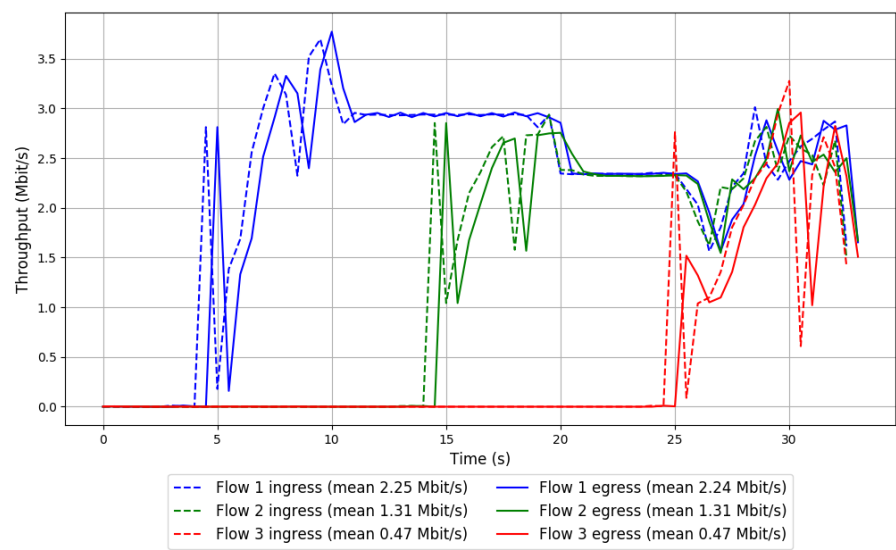
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 13.286 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-06-29 23:13:24

End at: 2018-06-29 23:13:54

Local clock offset: 1.617 ms

Remote clock offset: 3.118 ms

Below is generated by plot.py at 2018-06-30 00:35:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.96 Mbit/s

95th percentile per-packet one-way delay: 12.797 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 12.591 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 12.719 ms

Loss rate: 0.00%

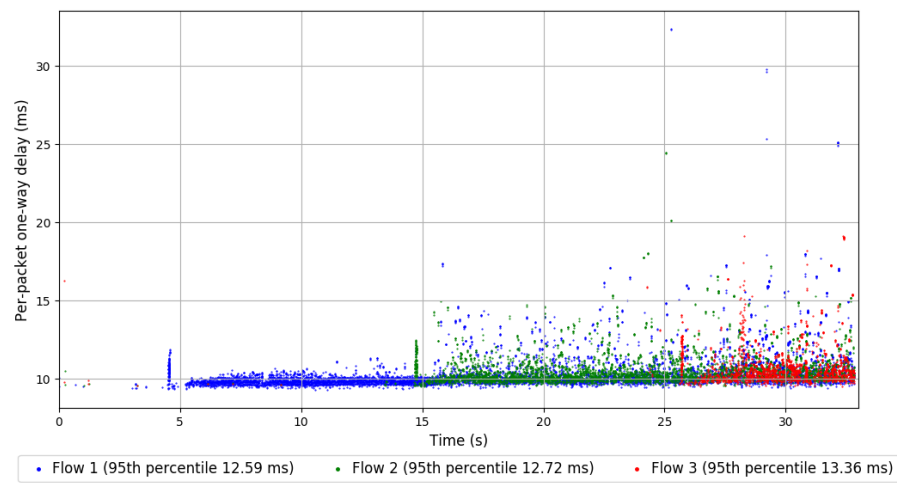
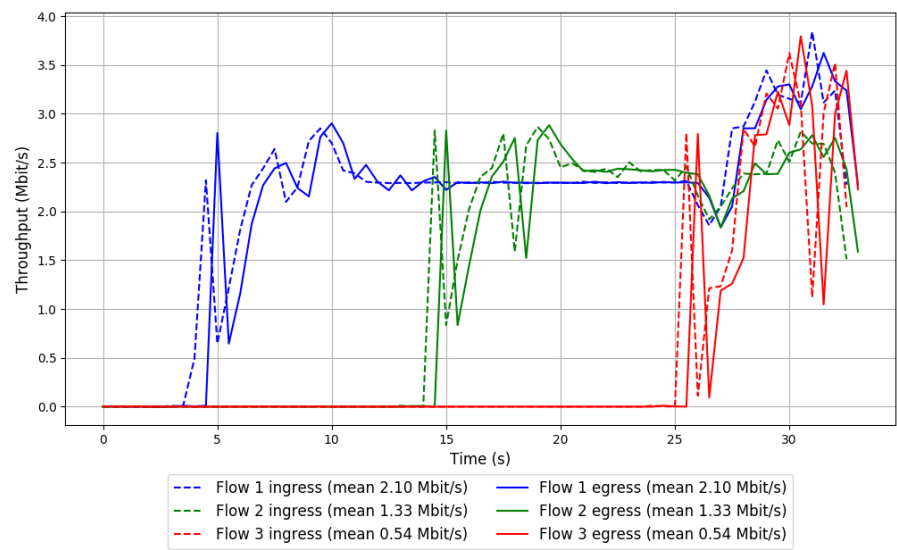
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 13.363 ms

Loss rate: 0.06%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-06-29 23:32:58

End at: 2018-06-29 23:33:28

Local clock offset: 2.573 ms

Remote clock offset: 1.363 ms

Below is generated by plot.py at 2018-06-30 00:35:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.17 Mbit/s

95th percentile per-packet one-way delay: 12.408 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 12.547 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 12.251 ms

Loss rate: 0.04%

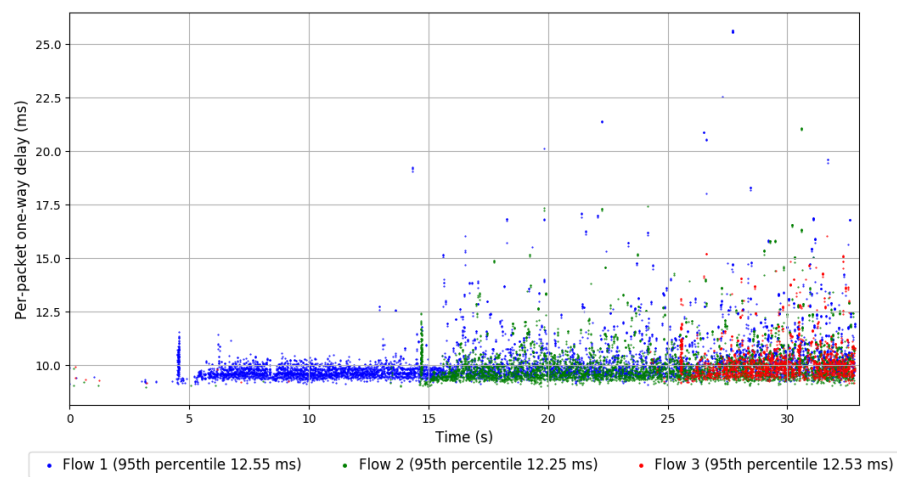
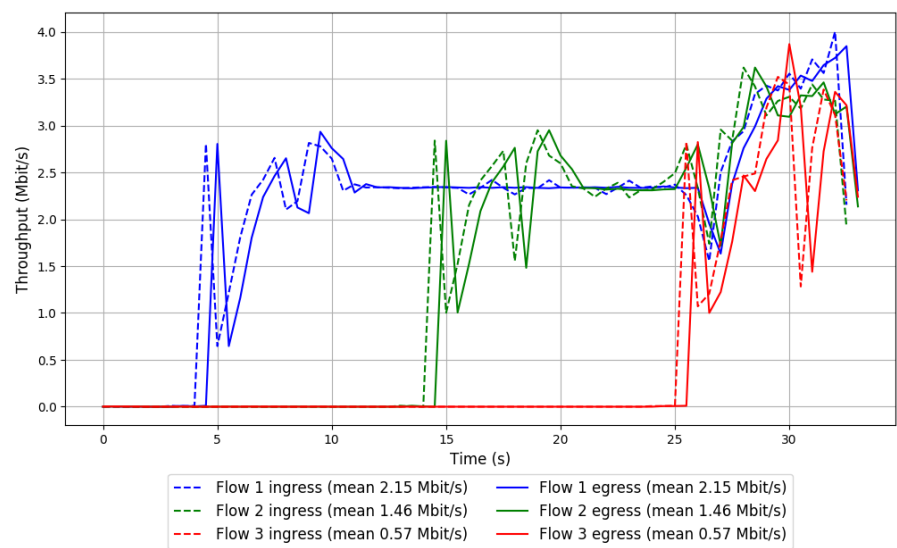
-- Flow 3:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 12.530 ms

Loss rate: 0.05%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-29 23:52:47
End at: 2018-06-29 23:53:17
Local clock offset: 3.819 ms
Remote clock offset: -4.835 ms

Below is generated by plot.py at 2018-06-30 00:35:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 10.087 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 10.277 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 9.833 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 10.375 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

