

Pantheon Report

Generated at 2018-06-30 17:57:59 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

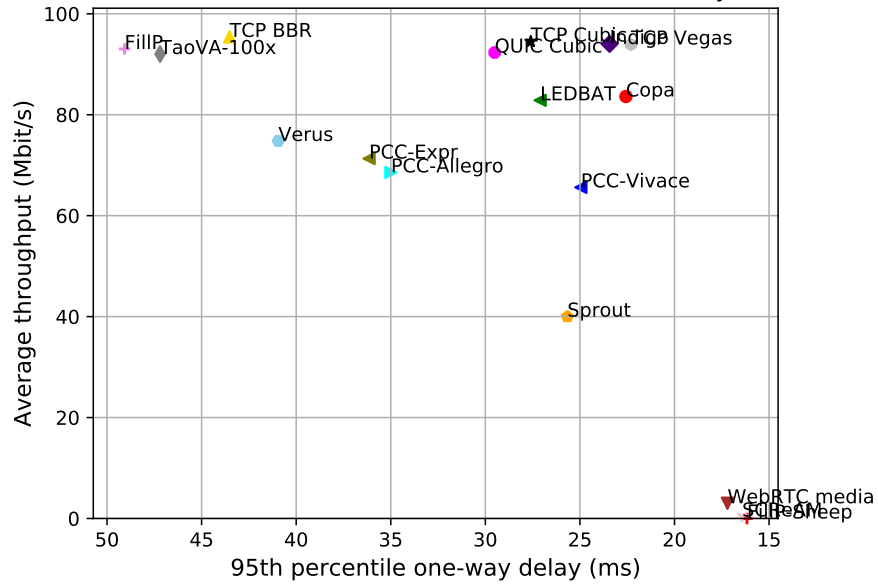
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

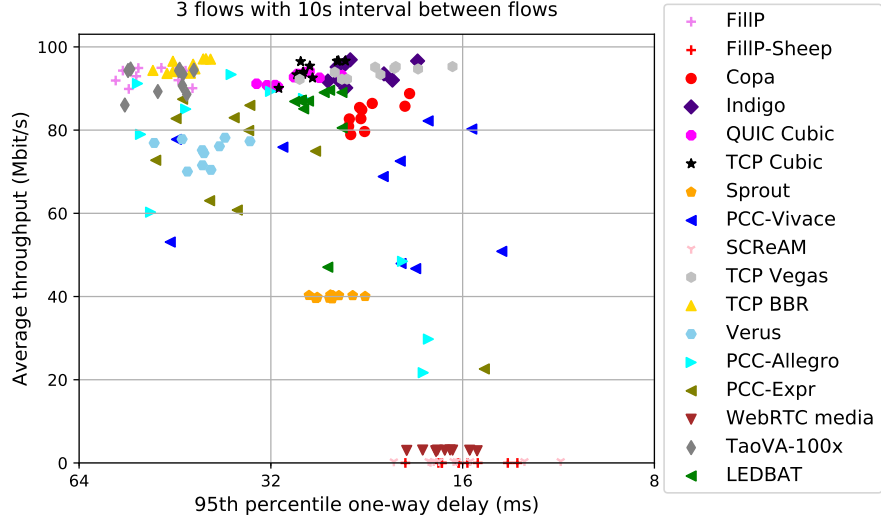
Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
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 India to AWS India 1, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



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



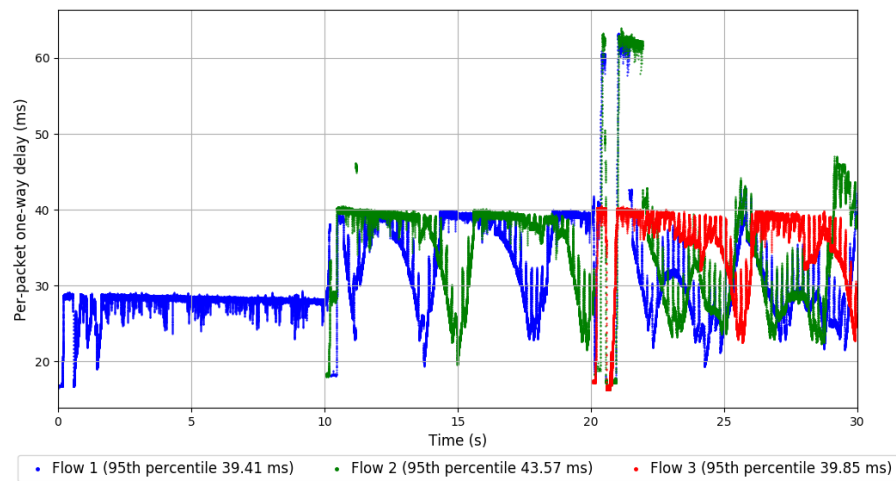
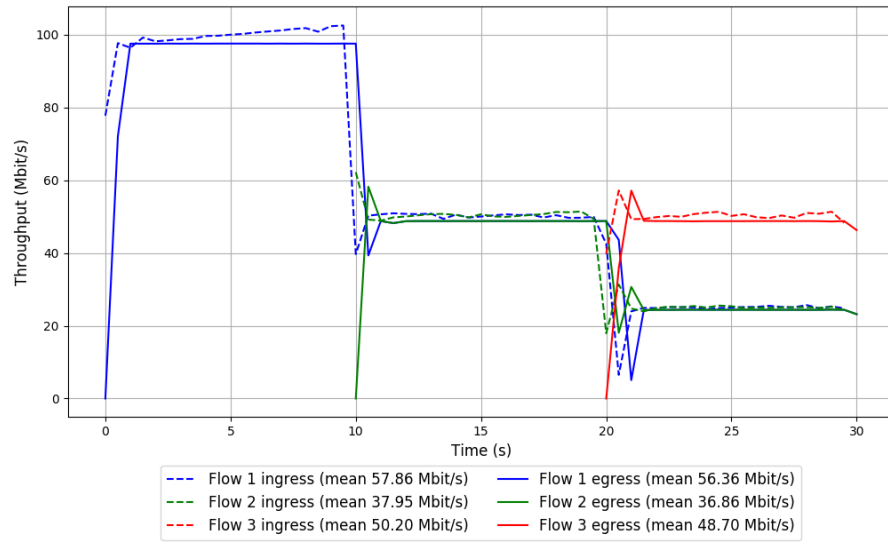
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	58.53	38.45	34.16	41.07	45.45	52.25	3.14	3.74	3.74
Copa	10	51.48	35.15	26.40	22.67	22.34	22.66	0.05	0.12	0.26
TCP Cubic	10	56.20	37.72	39.41	27.30	27.98	27.94	0.08	0.13	0.32
FillP	10	57.44	38.66	29.87	45.49	47.81	50.37	1.73	3.99	4.36
FillP-Sheep	10	0.00	0.00	0.00	16.28	16.15	16.18	0.00	0.00	0.00
Indigo	10	56.80	38.82	34.30	21.72	23.60	23.64	0.06	0.17	0.38
LEDBAT	10	47.49	42.21	22.41	25.47	27.96	27.38	0.08	0.14	0.23
PCC-Allegro	10	43.58	29.62	16.11	34.67	31.56	24.56	3.45	2.10	0.54
PCC-Expr	10	47.64	27.34	16.69	35.36	36.13	24.51	0.22	0.48	0.81
QUIC Cubic	10	55.91	38.79	32.15	28.51	30.72	40.67	0.10	0.20	0.47
SCReAM	10	0.20	0.20	0.21	16.50	16.38	16.51	0.11	0.19	0.34
Sprout	10	20.31	19.98	19.47	24.99	25.73	27.27	0.13	0.19	0.39
TaoVA-100x	10	55.18	39.64	31.50	43.04	46.01	48.96	0.31	0.73	2.09
TCP Vegas	10	56.75	41.21	29.32	22.28	22.03	23.03	0.05	0.12	0.28
Verus	10	43.84	33.39	26.60	40.06	41.57	45.73	0.13	0.31	0.49
PCC-Vivace	10	45.78	23.88	12.03	23.18	24.34	26.29	0.13	0.27	0.40
WebRTC media	10	1.61	0.97	0.45	17.20	17.15	17.33	0.02	0.18	0.24

Run 1: Statistics of TCP BBR

Start at: 2018-06-30 14:29:33
End at: 2018-06-30 14:30:03
Local clock offset: 0.325 ms
Remote clock offset: -1.476 ms

Below is generated by plot.py at 2018-06-30 17:38:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 39.801 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 56.36 Mbit/s
95th percentile per-packet one-way delay: 39.407 ms
Loss rate: 2.69%
-- Flow 2:
Average throughput: 36.86 Mbit/s
95th percentile per-packet one-way delay: 43.567 ms
Loss rate: 3.00%
-- Flow 3:
Average throughput: 48.70 Mbit/s
95th percentile per-packet one-way delay: 39.851 ms
Loss rate: 3.23%

Run 1: Report of TCP BBR — Data Link

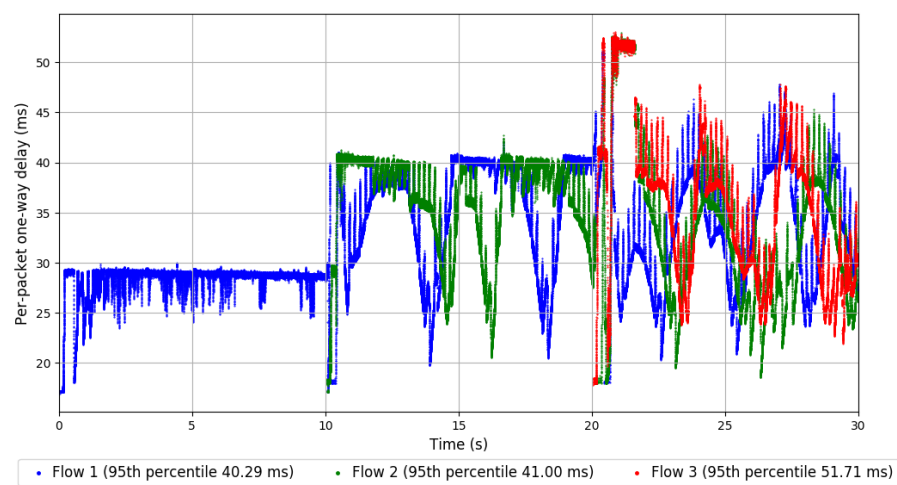
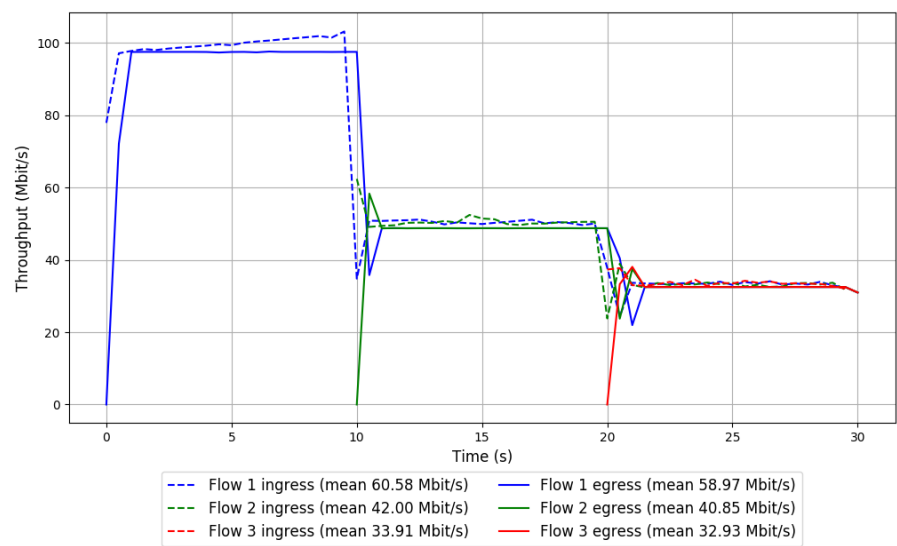


Run 2: Statistics of TCP BBR

Start at: 2018-06-30 14:49:59
End at: 2018-06-30 14:50:29
Local clock offset: 0.723 ms
Remote clock offset: -11.461 ms

Below is generated by plot.py at 2018-06-30 17:38:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 40.862 ms
Loss rate: 2.82%
-- Flow 1:
Average throughput: 58.97 Mbit/s
95th percentile per-packet one-way delay: 40.294 ms
Loss rate: 2.74%
-- Flow 2:
Average throughput: 40.85 Mbit/s
95th percentile per-packet one-way delay: 40.999 ms
Loss rate: 2.88%
-- Flow 3:
Average throughput: 32.93 Mbit/s
95th percentile per-packet one-way delay: 51.709 ms
Loss rate: 3.12%

Run 2: Report of TCP BBR — Data Link

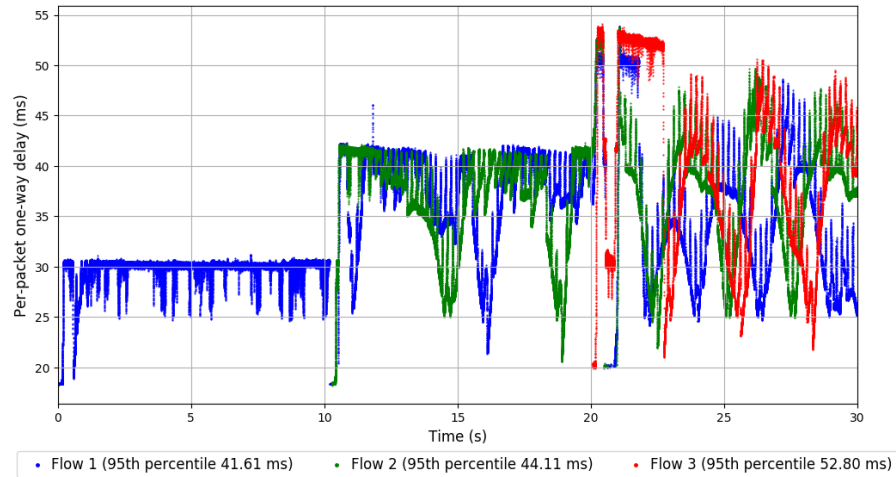
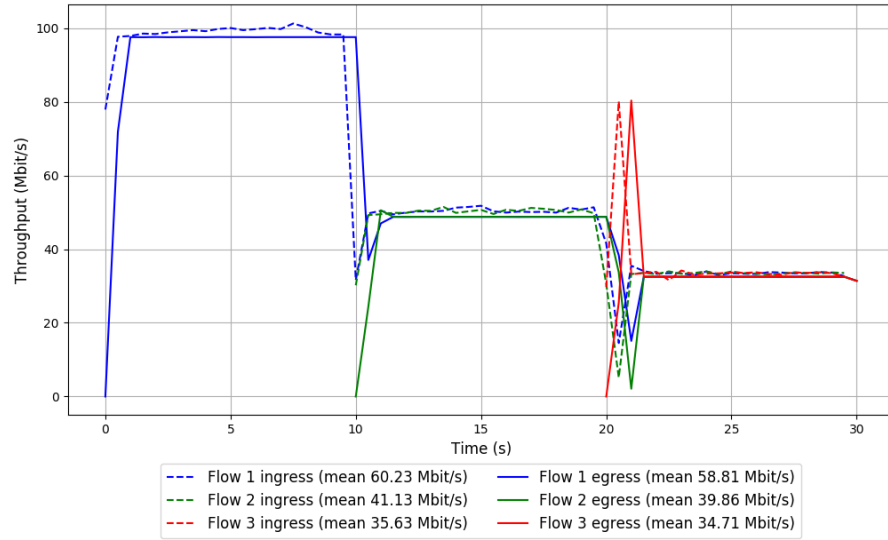


Run 3: Statistics of TCP BBR

Start at: 2018-06-30 15:10:13
End at: 2018-06-30 15:10:43
Local clock offset: 2.902 ms
Remote clock offset: -9.337 ms

Below is generated by plot.py at 2018-06-30 17:38:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 45.595 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 58.81 Mbit/s
95th percentile per-packet one-way delay: 41.613 ms
Loss rate: 2.44%
-- Flow 2:
Average throughput: 39.86 Mbit/s
95th percentile per-packet one-way delay: 44.112 ms
Loss rate: 3.19%
-- Flow 3:
Average throughput: 34.71 Mbit/s
95th percentile per-packet one-way delay: 52.803 ms
Loss rate: 2.86%

Run 3: Report of TCP BBR — Data Link

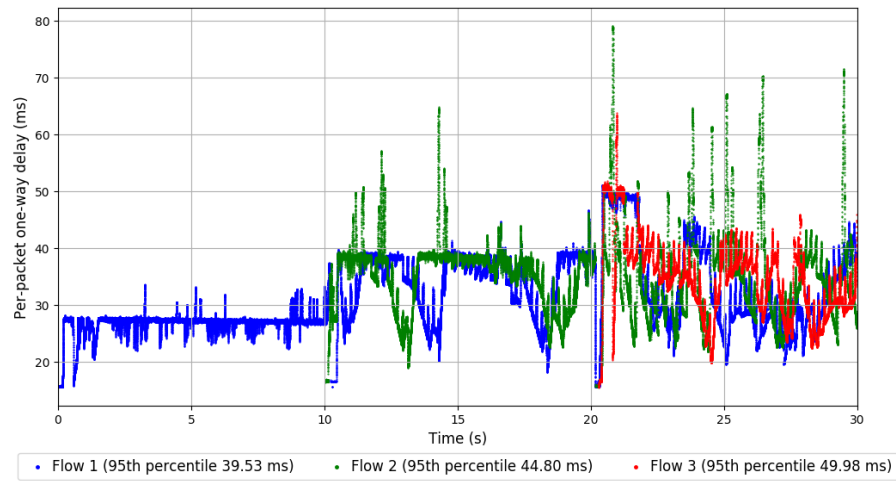
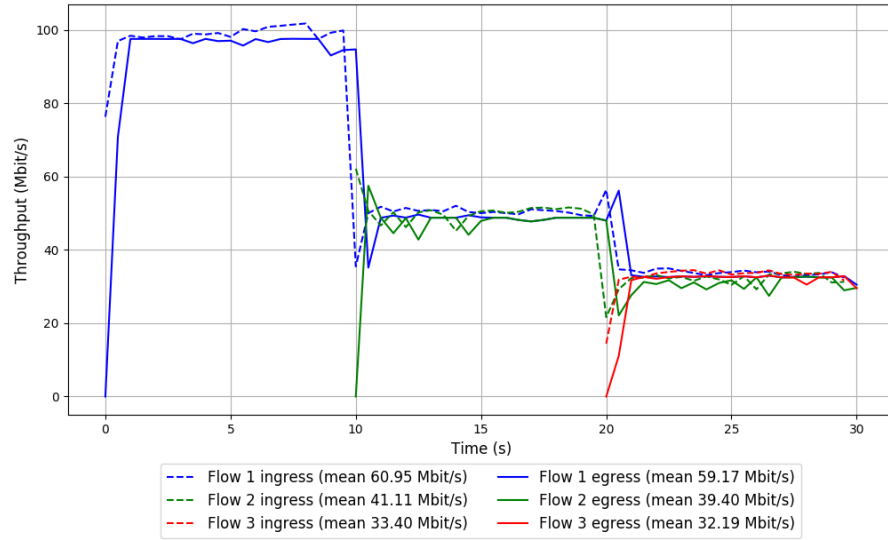


Run 4: Statistics of TCP BBR

Start at: 2018-06-30 15:30:31
End at: 2018-06-30 15:31:01
Local clock offset: -1.343 ms
Remote clock offset: -7.318 ms

Below is generated by plot.py at 2018-06-30 17:38:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.84 Mbit/s
95th percentile per-packet one-way delay: 42.379 ms
Loss rate: 3.44%
-- Flow 1:
Average throughput: 59.17 Mbit/s
95th percentile per-packet one-way delay: 39.529 ms
Loss rate: 2.98%
-- Flow 2:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 44.798 ms
Loss rate: 4.28%
-- Flow 3:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 49.975 ms
Loss rate: 3.89%

Run 4: Report of TCP BBR — Data Link

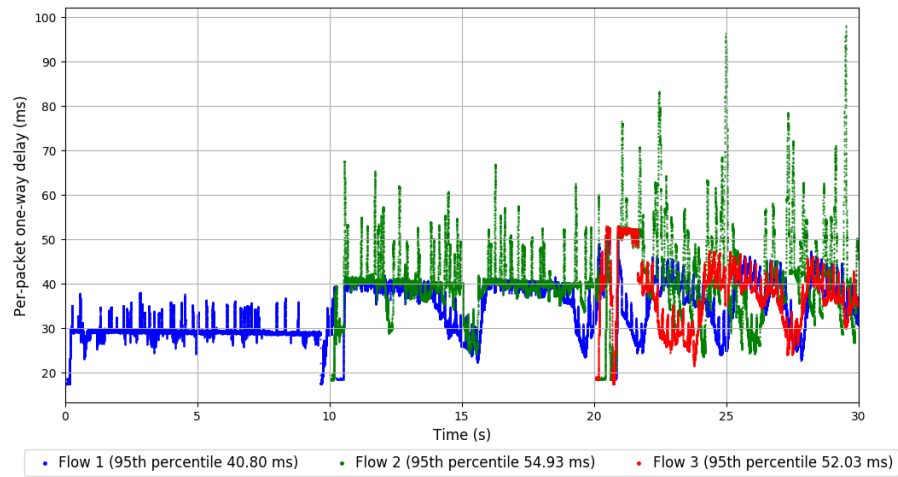
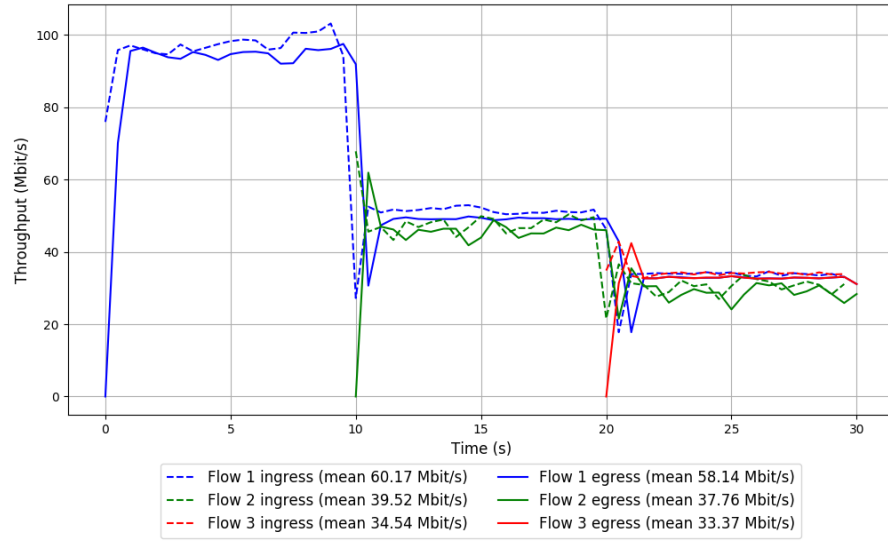


Run 5: Statistics of TCP BBR

Start at: 2018-06-30 15:51:39
End at: 2018-06-30 15:52:09
Local clock offset: 0.855 ms
Remote clock offset: -1.271 ms

Below is generated by plot.py at 2018-06-30 17:38:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.35 Mbit/s
95th percentile per-packet one-way delay: 49.013 ms
Loss rate: 3.78%
-- Flow 1:
Average throughput: 58.14 Mbit/s
95th percentile per-packet one-way delay: 40.800 ms
Loss rate: 3.46%
-- Flow 2:
Average throughput: 37.76 Mbit/s
95th percentile per-packet one-way delay: 54.932 ms
Loss rate: 4.58%
-- Flow 3:
Average throughput: 33.37 Mbit/s
95th percentile per-packet one-way delay: 52.035 ms
Loss rate: 3.67%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-30 16:12:19

End at: 2018-06-30 16:12:49

Local clock offset: 0.15 ms

Remote clock offset: 2.272 ms

Below is generated by plot.py at 2018-06-30 17:38:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.68 Mbit/s

95th percentile per-packet one-way delay: 42.796 ms

Loss rate: 4.09%

-- Flow 1:

Average throughput: 61.68 Mbit/s

95th percentile per-packet one-way delay: 38.936 ms

Loss rate: 3.95%

-- Flow 2:

Average throughput: 35.85 Mbit/s

95th percentile per-packet one-way delay: 47.625 ms

Loss rate: 4.17%

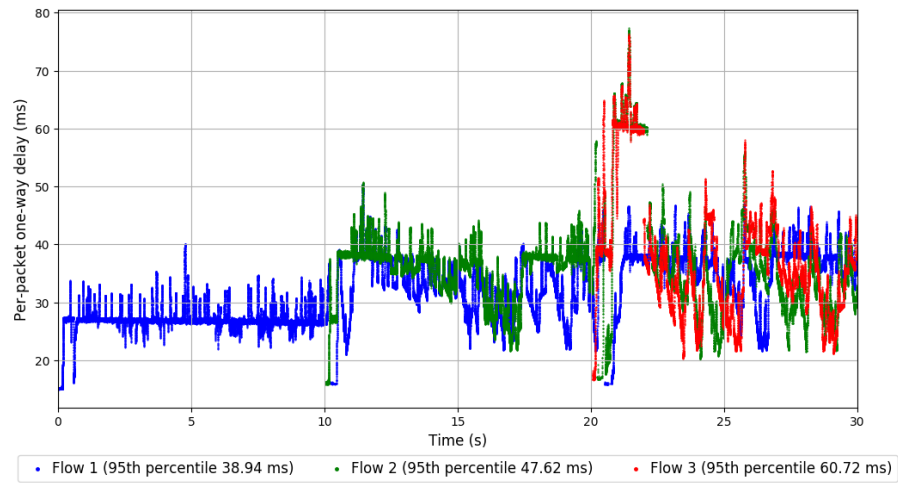
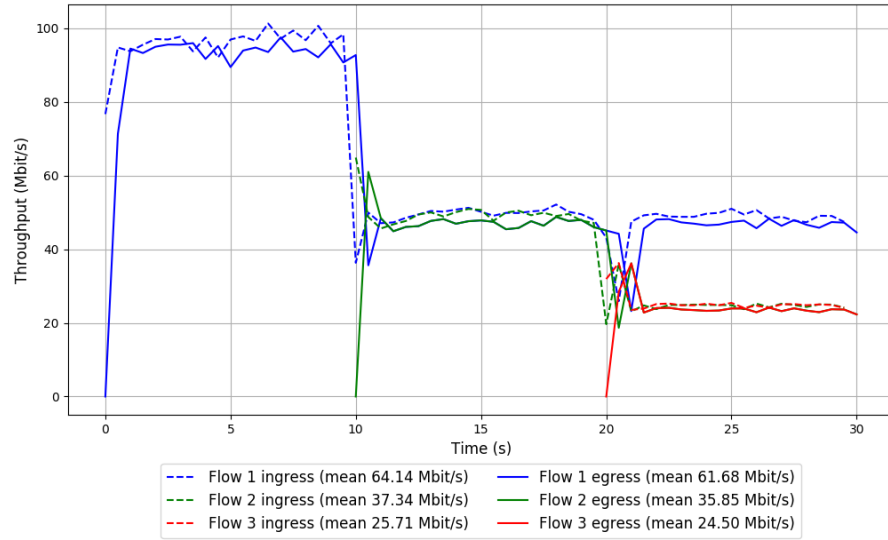
-- Flow 3:

Average throughput: 24.50 Mbit/s

95th percentile per-packet one-way delay: 60.717 ms

Loss rate: 4.96%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-06-30 16:32:42

End at: 2018-06-30 16:33:12

Local clock offset: 2.668 ms

Remote clock offset: 0.842 ms

Below is generated by plot.py at 2018-06-30 17:38:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.62 Mbit/s

95th percentile per-packet one-way delay: 46.575 ms

Loss rate: 3.38%

-- Flow 1:

Average throughput: 57.19 Mbit/s

95th percentile per-packet one-way delay: 42.902 ms

Loss rate: 2.91%

-- Flow 2:

Average throughput: 39.81 Mbit/s

95th percentile per-packet one-way delay: 45.472 ms

Loss rate: 3.95%

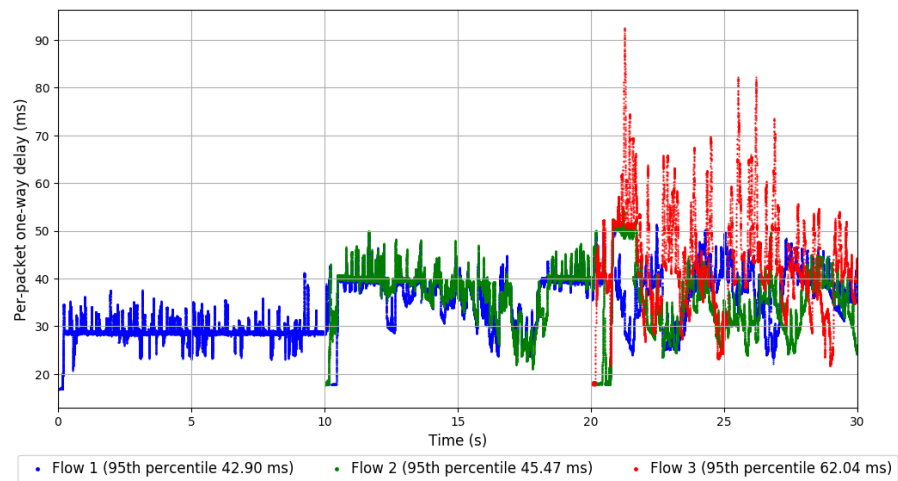
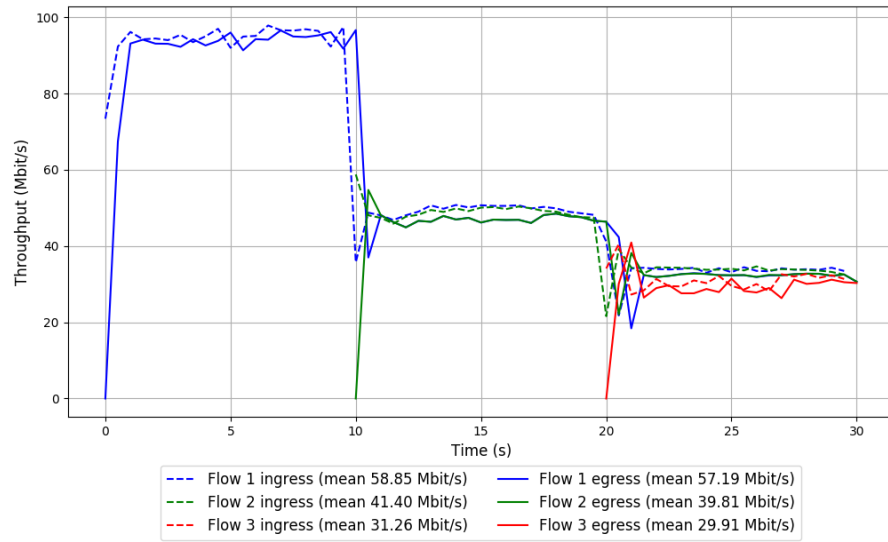
-- Flow 3:

Average throughput: 29.91 Mbit/s

95th percentile per-packet one-way delay: 62.038 ms

Loss rate: 4.57%

Run 7: Report of TCP BBR — Data Link

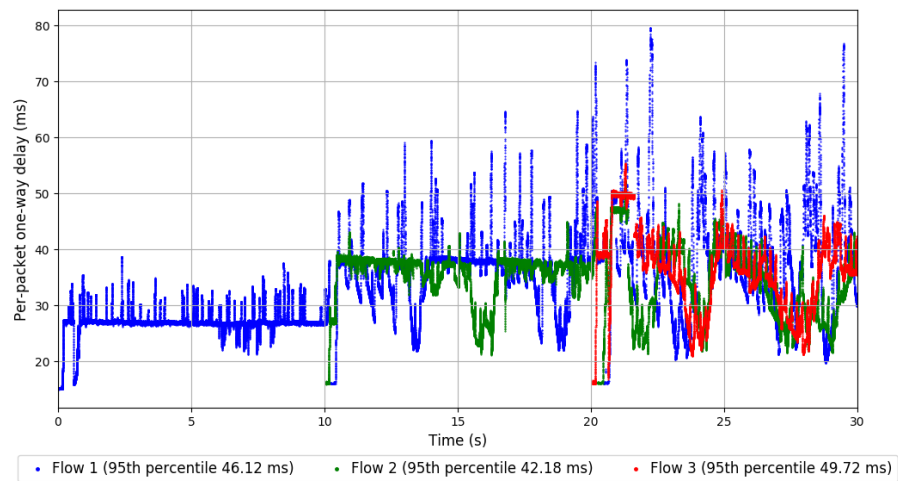
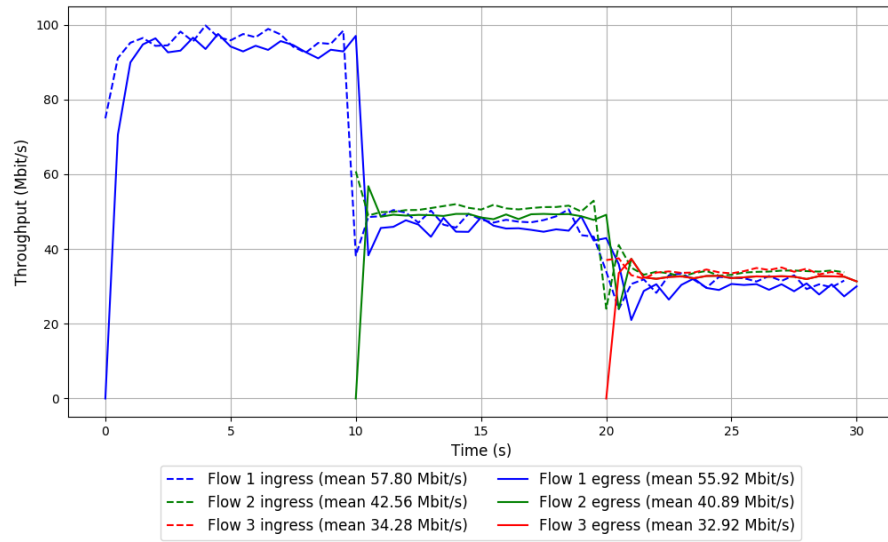


Run 8: Statistics of TCP BBR

Start at: 2018-06-30 16:52:40
End at: 2018-06-30 16:53:10
Local clock offset: -0.391 ms
Remote clock offset: -1.625 ms

Below is generated by plot.py at 2018-06-30 17:38:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.07 Mbit/s
95th percentile per-packet one-way delay: 45.610 ms
Loss rate: 3.65%
-- Flow 1:
Average throughput: 55.92 Mbit/s
95th percentile per-packet one-way delay: 46.120 ms
Loss rate: 3.34%
-- Flow 2:
Average throughput: 40.89 Mbit/s
95th percentile per-packet one-way delay: 42.179 ms
Loss rate: 4.07%
-- Flow 3:
Average throughput: 32.92 Mbit/s
95th percentile per-packet one-way delay: 49.720 ms
Loss rate: 4.20%

Run 8: Report of TCP BBR — Data Link

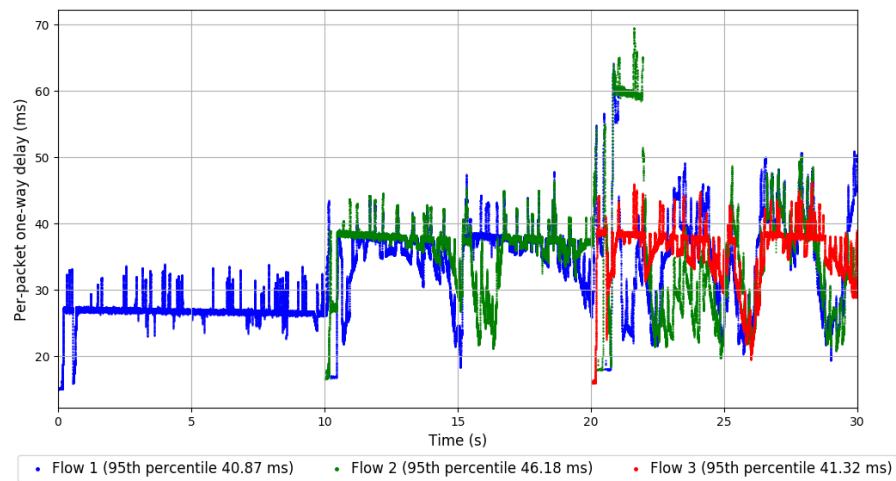
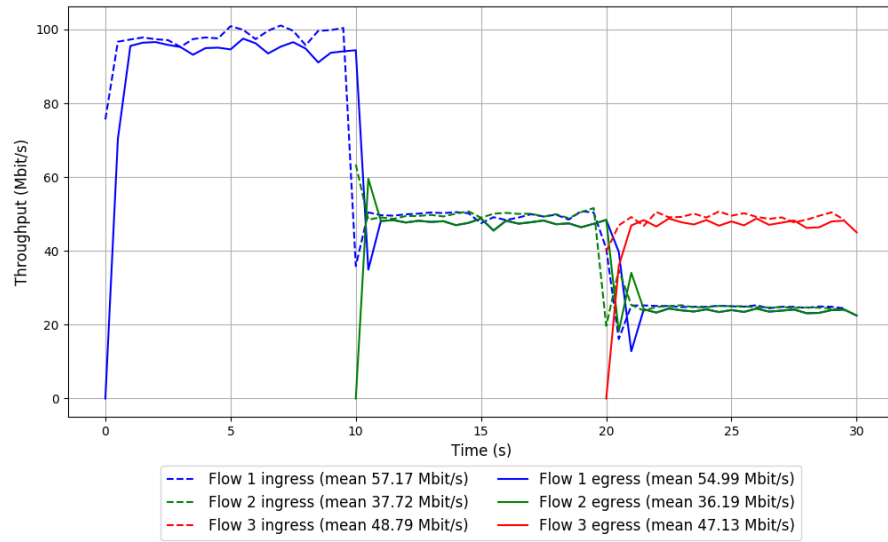


Run 9: Statistics of TCP BBR

Start at: 2018-06-30 17:12:30
End at: 2018-06-30 17:13:00
Local clock offset: -0.582 ms
Remote clock offset: -2.844 ms

Below is generated by plot.py at 2018-06-30 17:38:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 42.107 ms
Loss rate: 3.94%
-- Flow 1:
Average throughput: 54.99 Mbit/s
95th percentile per-packet one-way delay: 40.872 ms
Loss rate: 3.90%
-- Flow 2:
Average throughput: 36.19 Mbit/s
95th percentile per-packet one-way delay: 46.183 ms
Loss rate: 4.21%
-- Flow 3:
Average throughput: 47.13 Mbit/s
95th percentile per-packet one-way delay: 41.318 ms
Loss rate: 3.66%

Run 9: Report of TCP BBR — Data Link

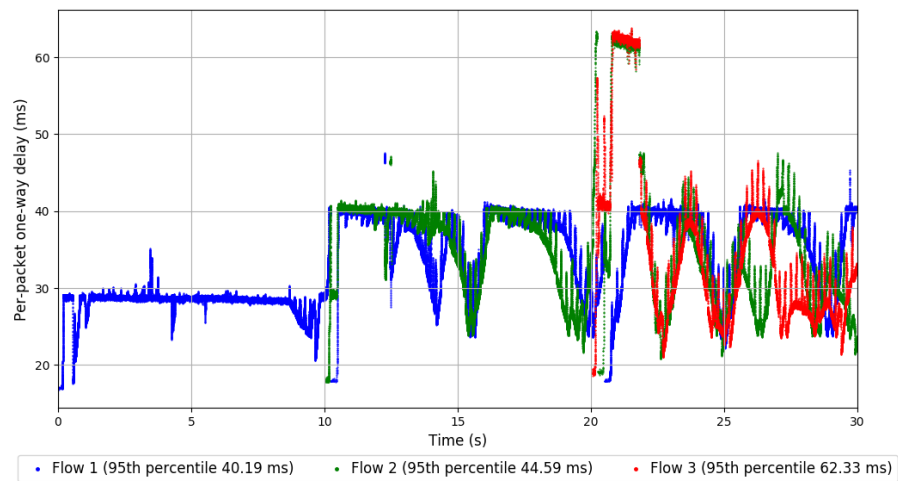
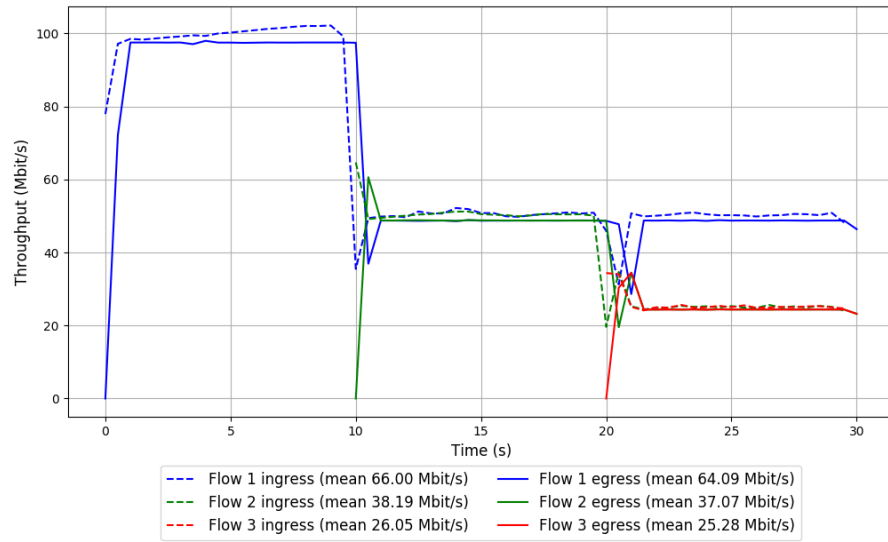


Run 10: Statistics of TCP BBR

Start at: 2018-06-30 17:32:47
End at: 2018-06-30 17:33:17
Local clock offset: 0.332 ms
Remote clock offset: -1.926 ms

Below is generated by plot.py at 2018-06-30 17:38:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 40.469 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 64.09 Mbit/s
95th percentile per-packet one-way delay: 40.186 ms
Loss rate: 2.97%
-- Flow 2:
Average throughput: 37.07 Mbit/s
95th percentile per-packet one-way delay: 44.589 ms
Loss rate: 3.06%
-- Flow 3:
Average throughput: 25.28 Mbit/s
95th percentile per-packet one-way delay: 62.331 ms
Loss rate: 3.21%

Run 10: Report of TCP BBR — Data Link

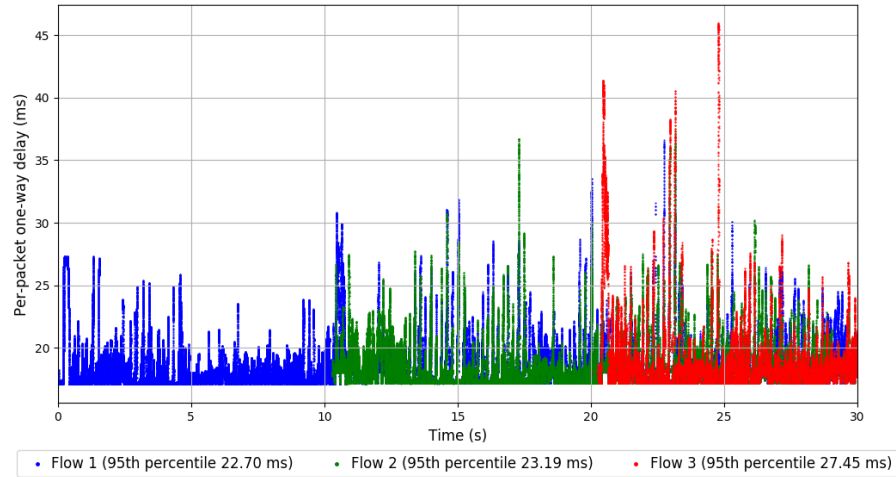
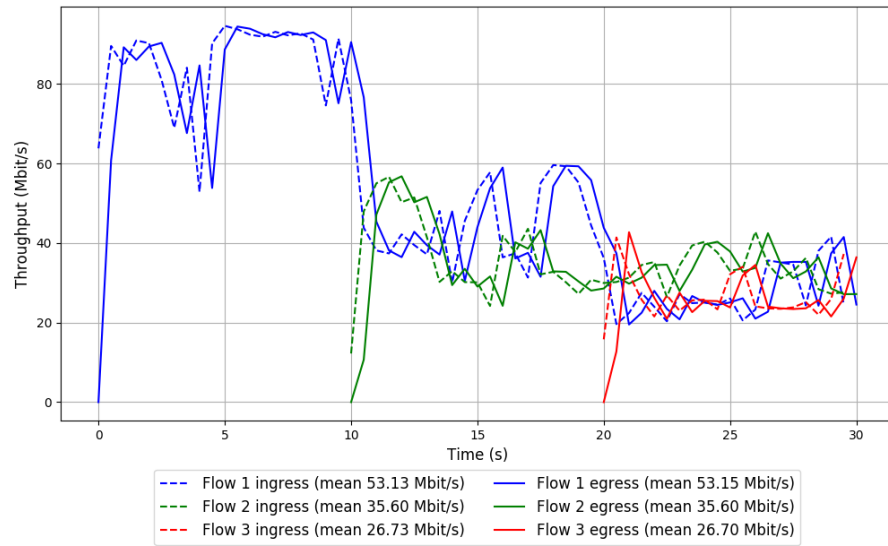


Run 1: Statistics of Copa

Start at: 2018-06-30 14:21:04
End at: 2018-06-30 14:21:34
Local clock offset: 1.09 ms
Remote clock offset: -1.743 ms

Below is generated by plot.py at 2018-06-30 17:39:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.44 Mbit/s
95th percentile per-packet one-way delay: 23.219 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 53.15 Mbit/s
95th percentile per-packet one-way delay: 22.696 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 35.60 Mbit/s
95th percentile per-packet one-way delay: 23.191 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 26.70 Mbit/s
95th percentile per-packet one-way delay: 27.447 ms
Loss rate: 0.35%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-06-30 14:41:35

End at: 2018-06-30 14:42:05

Local clock offset: -0.991 ms

Remote clock offset: -8.99 ms

Below is generated by plot.py at 2018-06-30 17:39:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.74 Mbit/s

95th percentile per-packet one-way delay: 19.709 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 58.66 Mbit/s

95th percentile per-packet one-way delay: 19.988 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 23.84 Mbit/s

95th percentile per-packet one-way delay: 19.504 ms

Loss rate: 0.16%

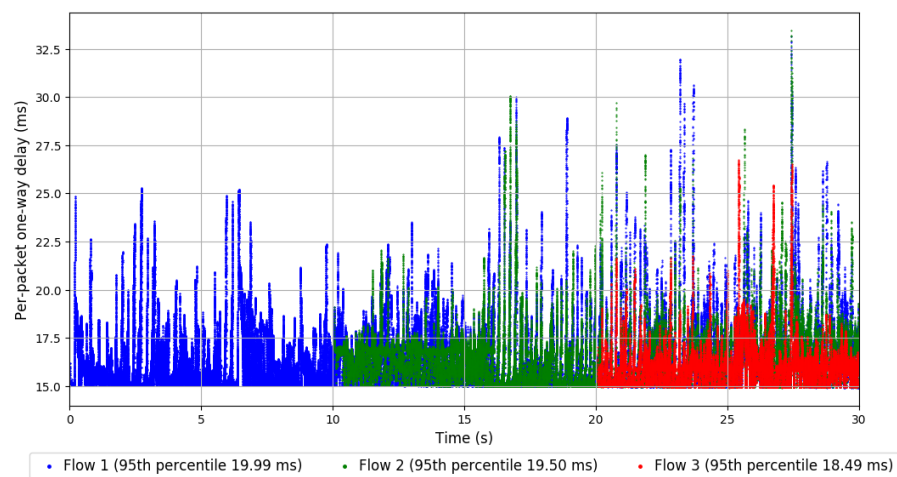
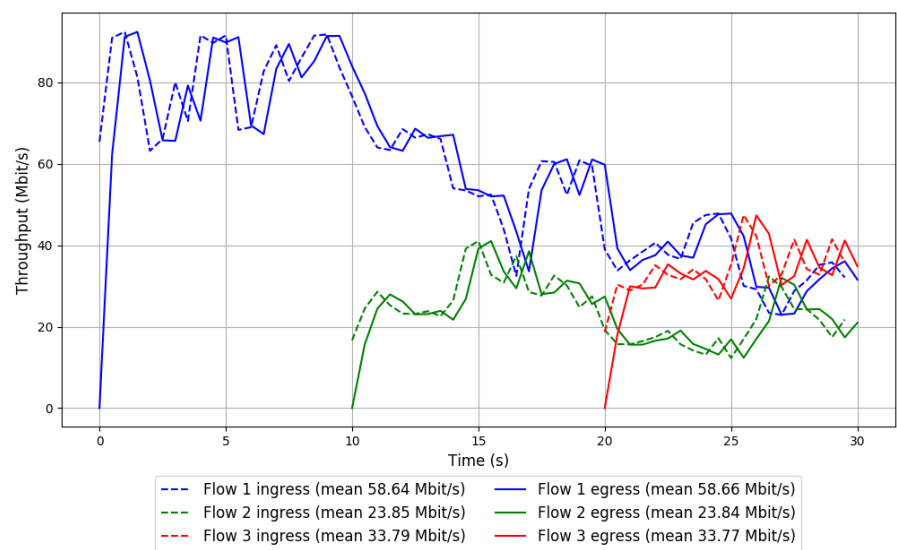
-- Flow 3:

Average throughput: 33.77 Mbit/s

95th percentile per-packet one-way delay: 18.488 ms

Loss rate: 0.33%

Run 2: Report of Copa — Data Link

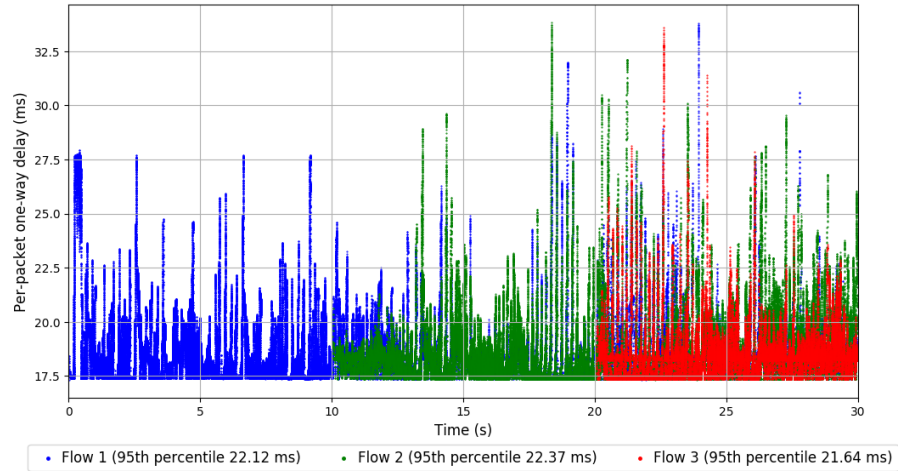
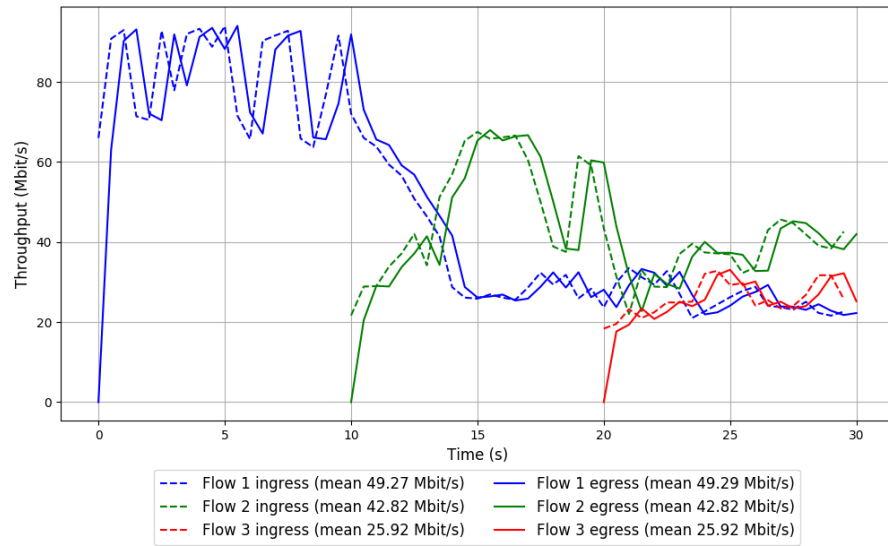


Run 3: Statistics of Copa

Start at: 2018-06-30 15:01:51
End at: 2018-06-30 15:02:21
Local clock offset: 1.436 ms
Remote clock offset: -12.488 ms

Below is generated by plot.py at 2018-06-30 17:39:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.41 Mbit/s
95th percentile per-packet one-way delay: 22.183 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 49.29 Mbit/s
95th percentile per-packet one-way delay: 22.117 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 42.82 Mbit/s
95th percentile per-packet one-way delay: 22.373 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 25.92 Mbit/s
95th percentile per-packet one-way delay: 21.640 ms
Loss rate: 0.25%

Run 3: Report of Copa — Data Link

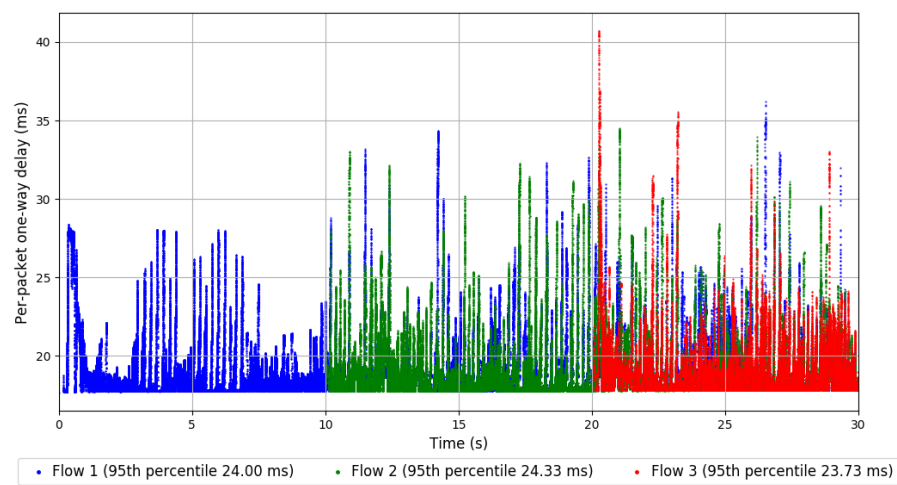
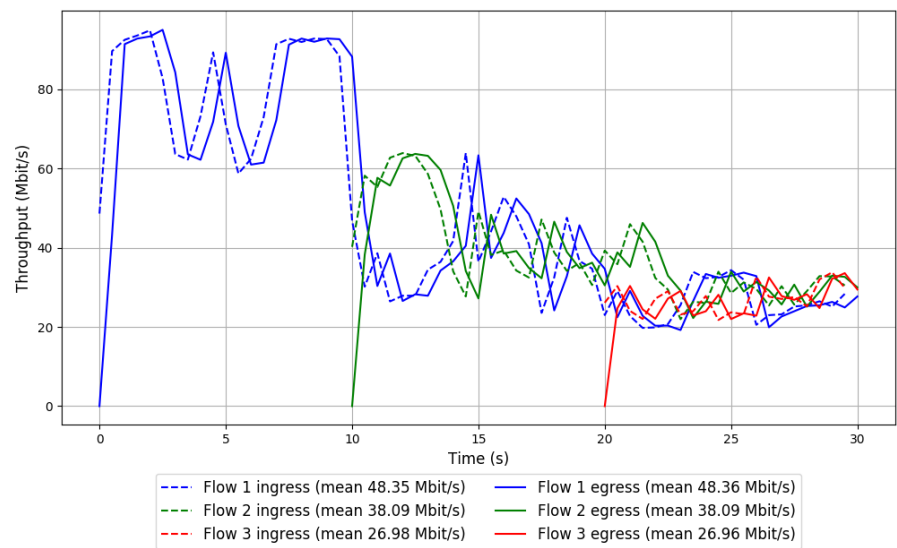


Run 4: Statistics of Copa

Start at: 2018-06-30 15:22:06
End at: 2018-06-30 15:22:36
Local clock offset: 0.914 ms
Remote clock offset: -8.157 ms

Below is generated by plot.py at 2018-06-30 17:39:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.68 Mbit/s
95th percentile per-packet one-way delay: 24.098 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 48.36 Mbit/s
95th percentile per-packet one-way delay: 24.002 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.09 Mbit/s
95th percentile per-packet one-way delay: 24.328 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 26.96 Mbit/s
95th percentile per-packet one-way delay: 23.725 ms
Loss rate: 0.29%

Run 4: Report of Copa — Data Link

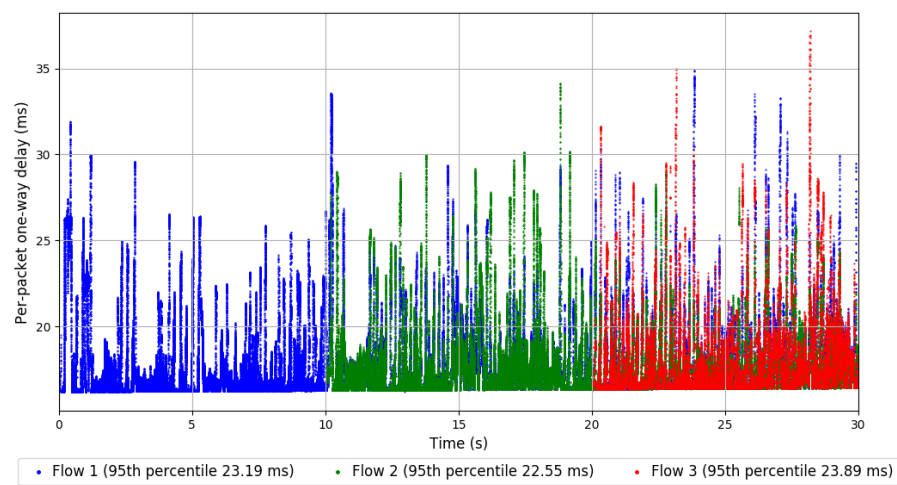
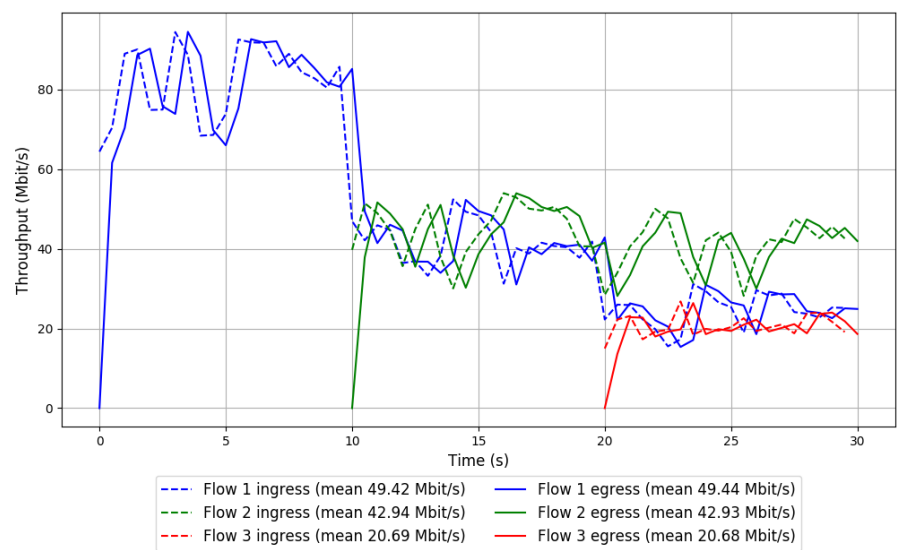


Run 5: Statistics of Copa

Start at: 2018-06-30 15:42:42
End at: 2018-06-30 15:43:12
Local clock offset: -0.326 ms
Remote clock offset: -2.997 ms

Below is generated by plot.py at 2018-06-30 17:39:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.88 Mbit/s
95th percentile per-packet one-way delay: 23.037 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 49.44 Mbit/s
95th percentile per-packet one-way delay: 23.188 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 42.93 Mbit/s
95th percentile per-packet one-way delay: 22.553 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 20.68 Mbit/s
95th percentile per-packet one-way delay: 23.888 ms
Loss rate: 0.28%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-06-30 16:03:59

End at: 2018-06-30 16:04:29

Local clock offset: -0.376 ms

Remote clock offset: 1.206 ms

Below is generated by plot.py at 2018-06-30 17:39:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.66 Mbit/s

95th percentile per-packet one-way delay: 22.803 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 52.63 Mbit/s

95th percentile per-packet one-way delay: 23.543 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 26.19 Mbit/s

95th percentile per-packet one-way delay: 22.241 ms

Loss rate: 0.11%

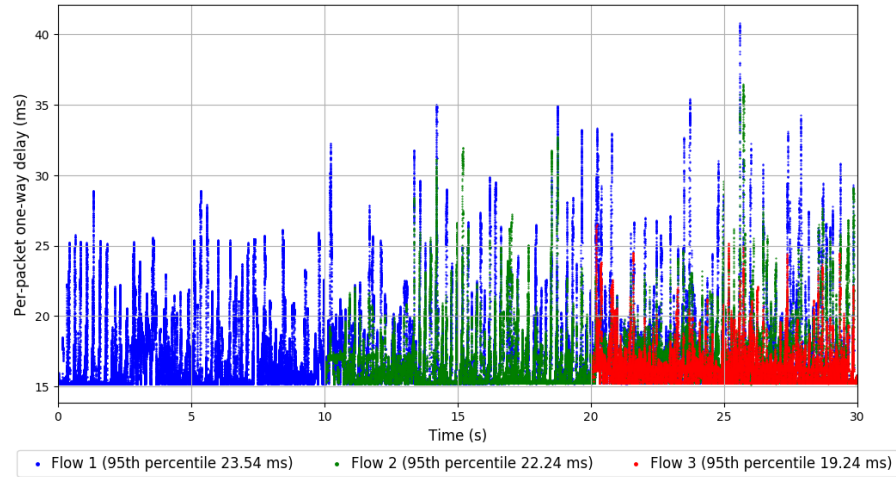
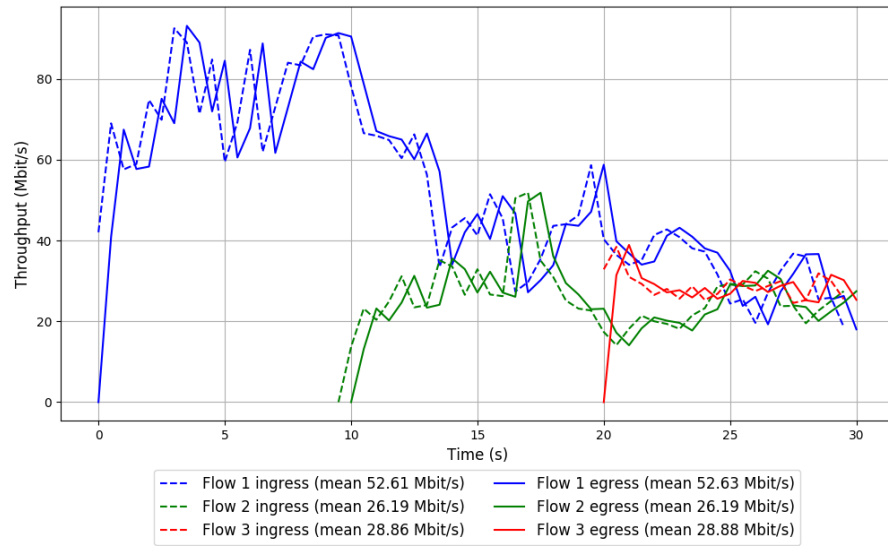
-- Flow 3:

Average throughput: 28.88 Mbit/s

95th percentile per-packet one-way delay: 19.240 ms

Loss rate: 0.19%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-06-30 16:24:18

End at: 2018-06-30 16:24:48

Local clock offset: 0.422 ms

Remote clock offset: 0.653 ms

Below is generated by plot.py at 2018-06-30 17:40:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.92 Mbit/s

95th percentile per-packet one-way delay: 23.977 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 48.87 Mbit/s

95th percentile per-packet one-way delay: 24.806 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 33.96 Mbit/s

95th percentile per-packet one-way delay: 21.679 ms

Loss rate: 0.06%

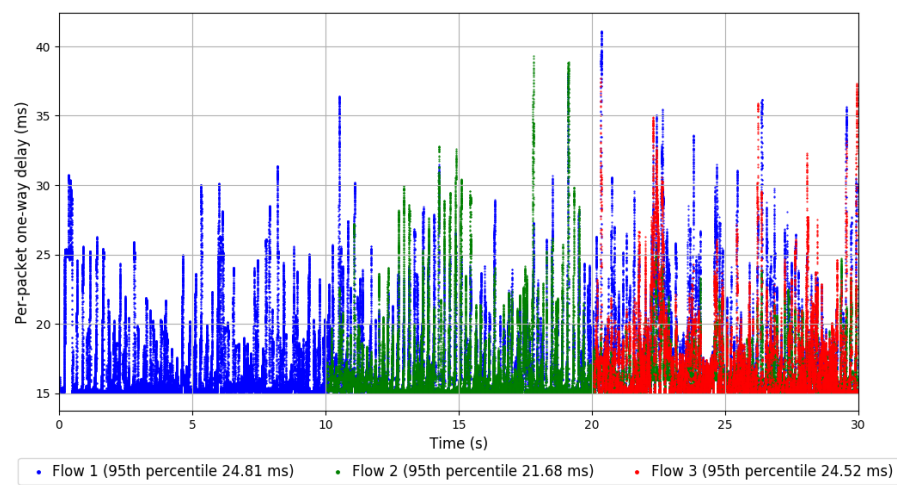
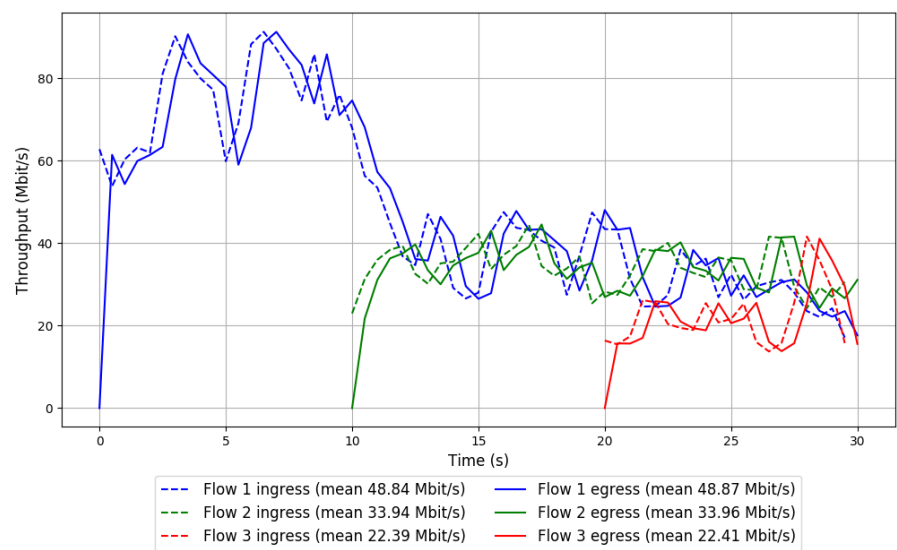
-- Flow 3:

Average throughput: 22.41 Mbit/s

95th percentile per-packet one-way delay: 24.524 ms

Loss rate: 0.15%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-06-30 16:44:29

End at: 2018-06-30 16:44:59

Local clock offset: 3.245 ms

Remote clock offset: 1.906 ms

Below is generated by plot.py at 2018-06-30 17:40:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.92 Mbit/s

95th percentile per-packet one-way delay: 24.161 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 50.43 Mbit/s

95th percentile per-packet one-way delay: 24.077 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 33.30 Mbit/s

95th percentile per-packet one-way delay: 24.229 ms

Loss rate: 0.13%

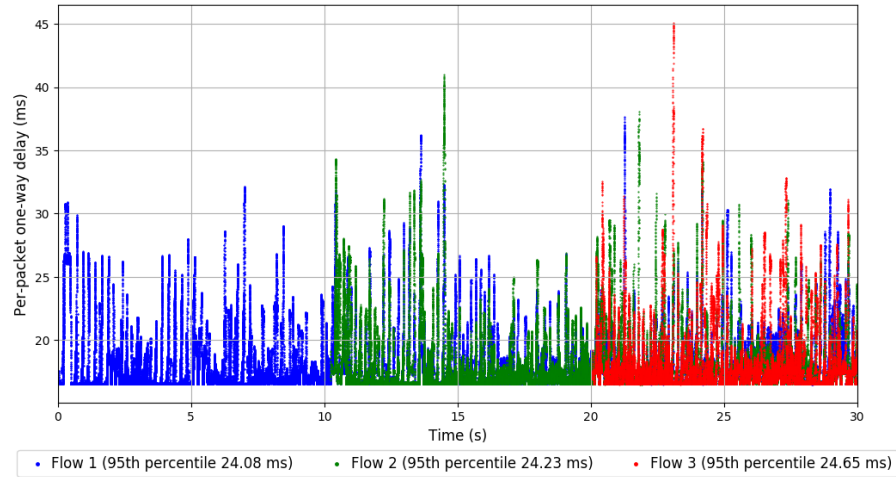
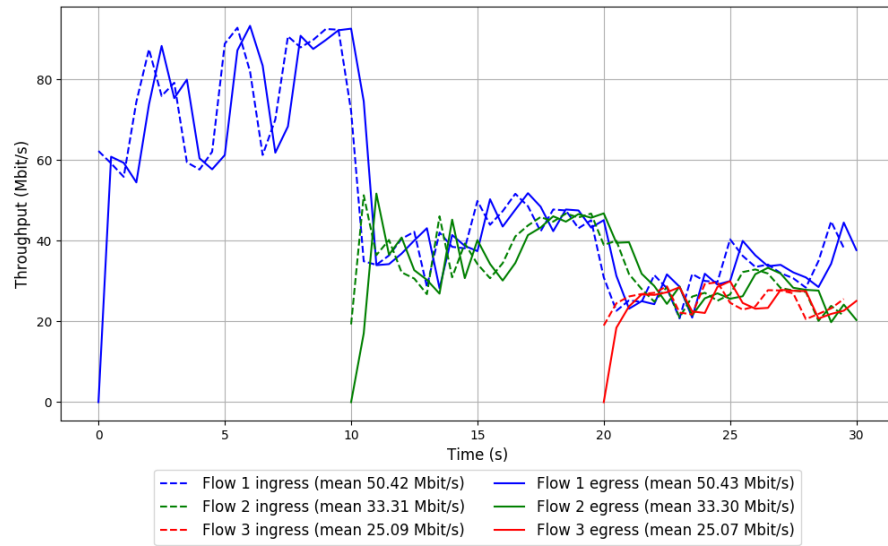
-- Flow 3:

Average throughput: 25.07 Mbit/s

95th percentile per-packet one-way delay: 24.647 ms

Loss rate: 0.31%

Run 8: Report of Copa — Data Link

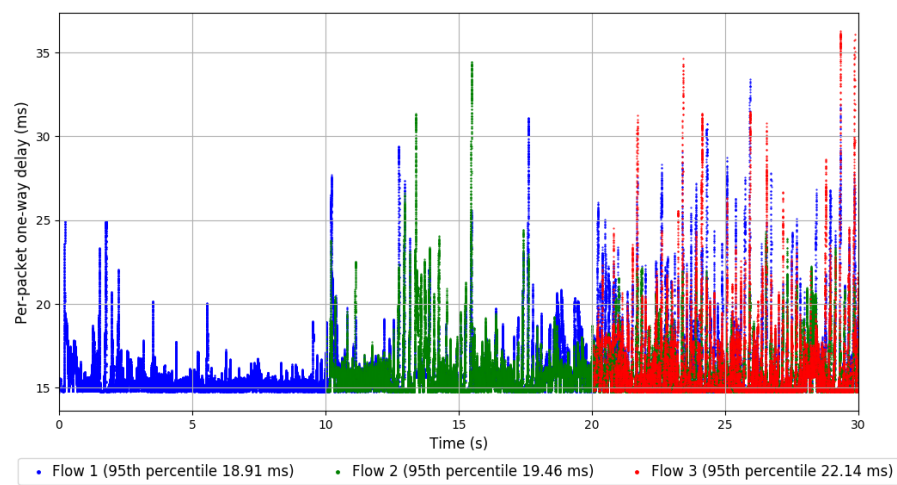
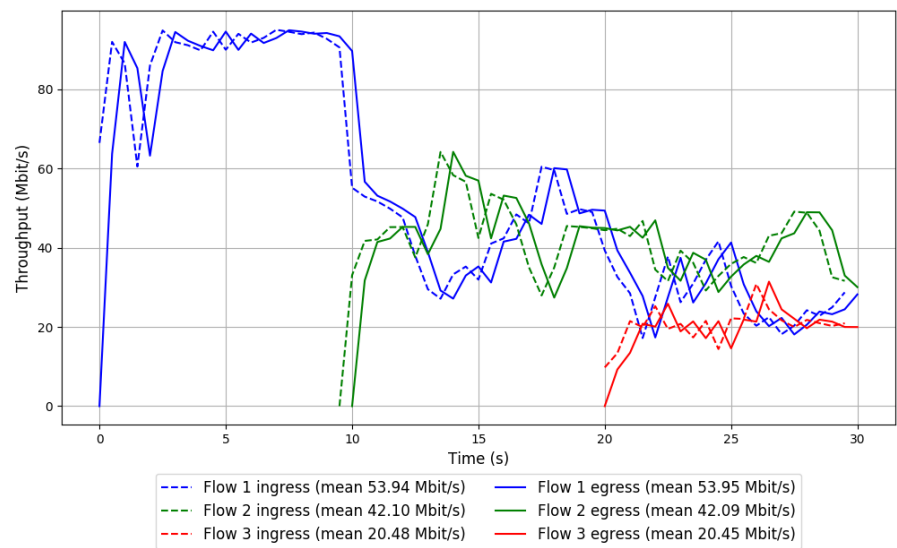


Run 9: Statistics of Copa

Start at: 2018-06-30 17:04:15
End at: 2018-06-30 17:04:45
Local clock offset: 0.176 ms
Remote clock offset: -1.579 ms

Below is generated by plot.py at 2018-06-30 17:41:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.78 Mbit/s
95th percentile per-packet one-way delay: 19.383 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 53.95 Mbit/s
95th percentile per-packet one-way delay: 18.912 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 42.09 Mbit/s
95th percentile per-packet one-way delay: 19.461 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 20.45 Mbit/s
95th percentile per-packet one-way delay: 22.138 ms
Loss rate: 0.37%

Run 9: Report of Copa — Data Link

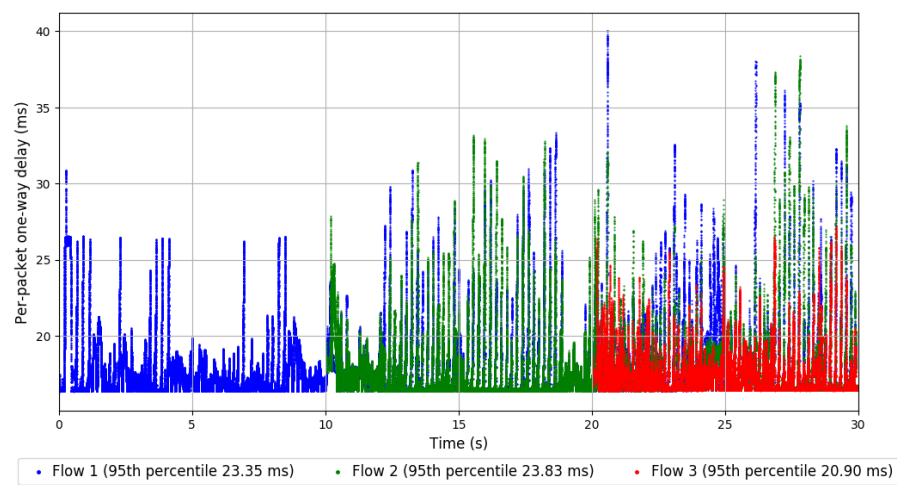
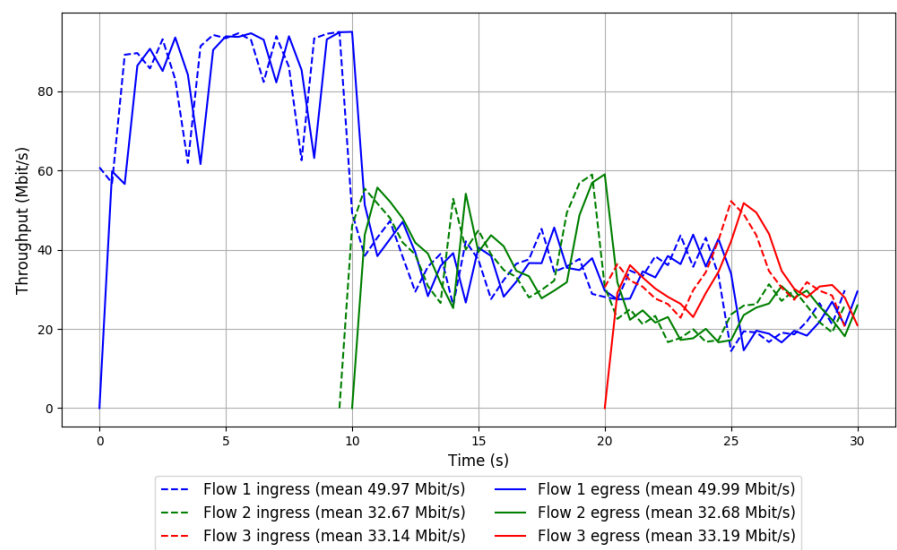


Run 10: Statistics of Copa

Start at: 2018-06-30 17:24:19
End at: 2018-06-30 17:24:49
Local clock offset: 0.57 ms
Remote clock offset: -2.153 ms

Below is generated by plot.py at 2018-06-30 17:41:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.75 Mbit/s
95th percentile per-packet one-way delay: 23.112 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: 23.346 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 32.68 Mbit/s
95th percentile per-packet one-way delay: 23.827 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 33.19 Mbit/s
95th percentile per-packet one-way delay: 20.898 ms
Loss rate: 0.12%

Run 10: Report of Copa — Data Link

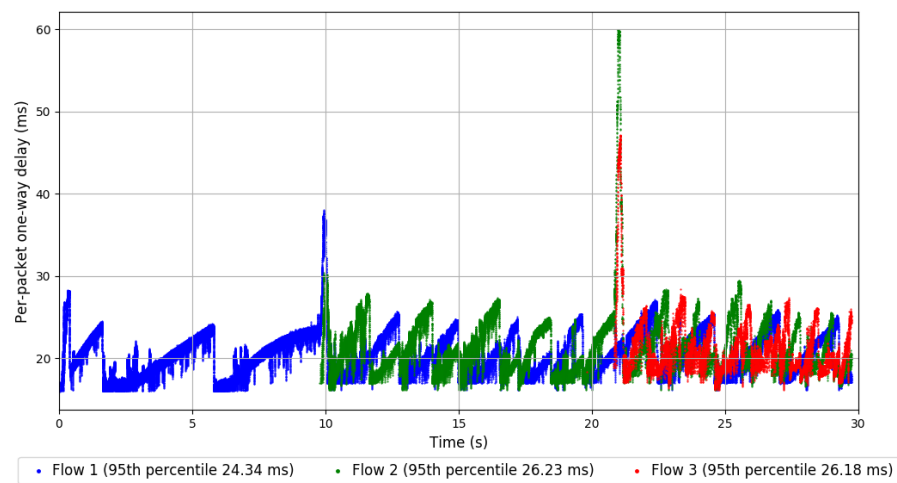
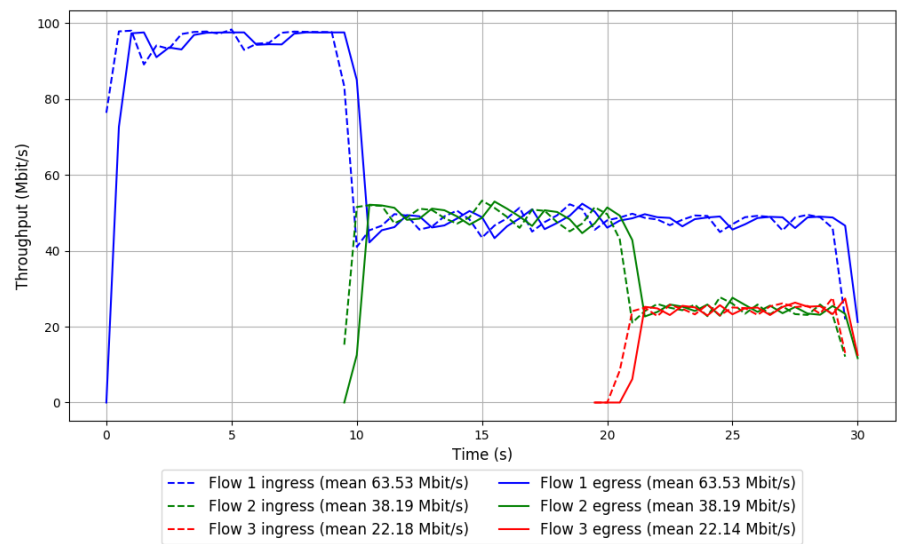


Run 1: Statistics of TCP Cubic

Start at: 2018-06-30 14:27:12
End at: 2018-06-30 14:27:42
Local clock offset: -0.437 ms
Remote clock offset: -0.934 ms

Below is generated by plot.py at 2018-06-30 17:41:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 25.181 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 63.53 Mbit/s
95th percentile per-packet one-way delay: 24.344 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.19 Mbit/s
95th percentile per-packet one-way delay: 26.229 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 22.14 Mbit/s
95th percentile per-packet one-way delay: 26.177 ms
Loss rate: 0.43%

Run 1: Report of TCP Cubic — Data Link

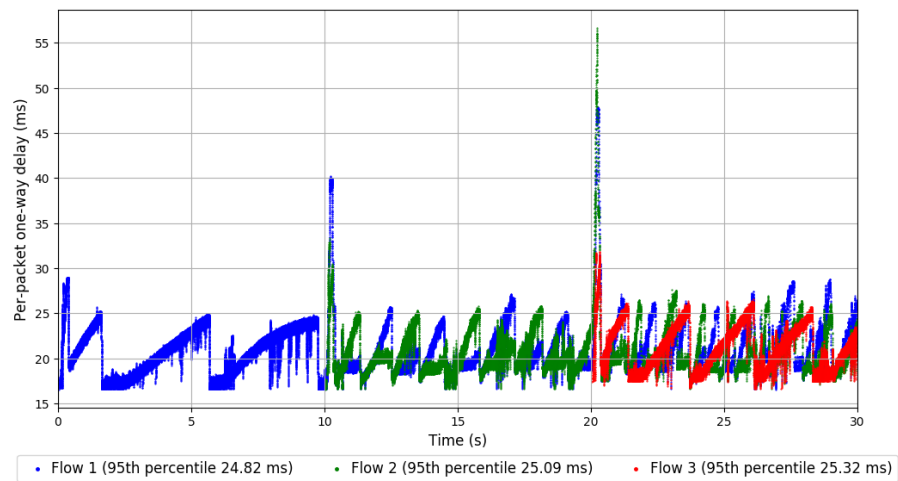
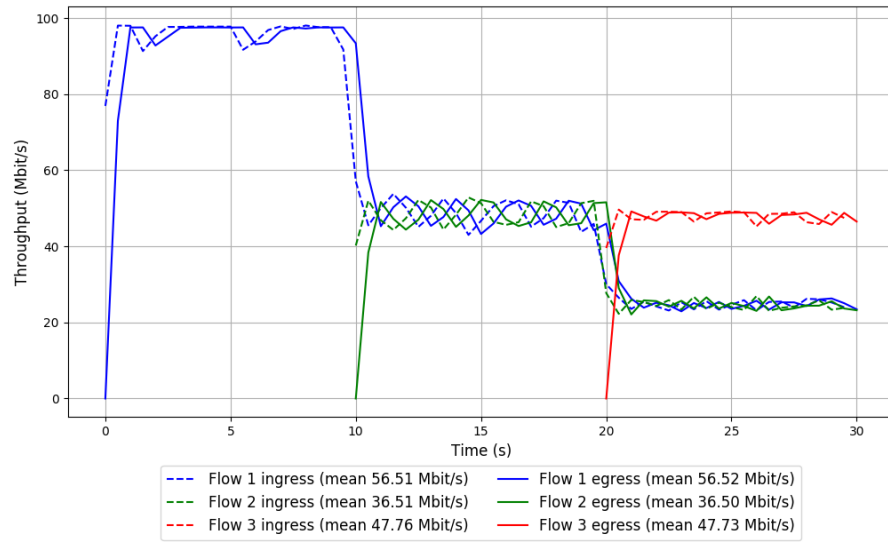


Run 2: Statistics of TCP Cubic

Start at: 2018-06-30 14:47:32
End at: 2018-06-30 14:48:02
Local clock offset: 1.437 ms
Remote clock offset: -9.798 ms

Below is generated by plot.py at 2018-06-30 17:41:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: 25.067 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.52 Mbit/s
95th percentile per-packet one-way delay: 24.820 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.50 Mbit/s
95th percentile per-packet one-way delay: 25.085 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 47.73 Mbit/s
95th percentile per-packet one-way delay: 25.319 ms
Loss rate: 0.33%

Run 2: Report of TCP Cubic — Data Link

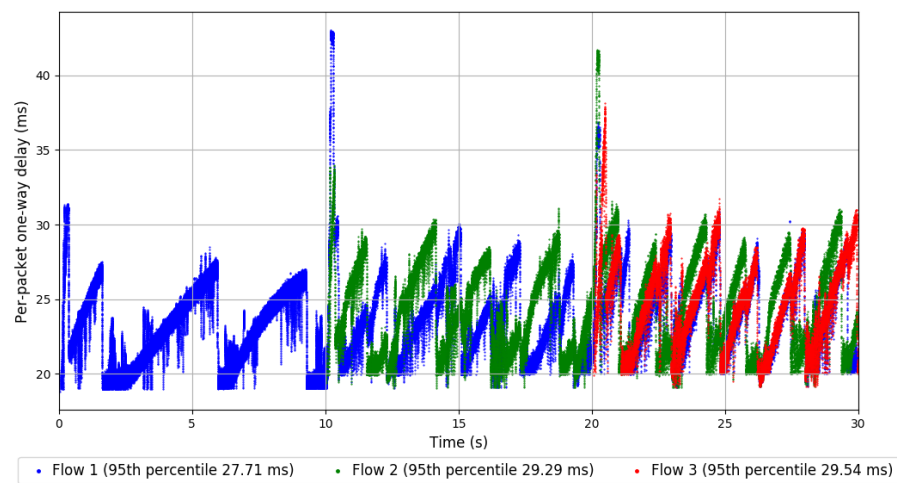
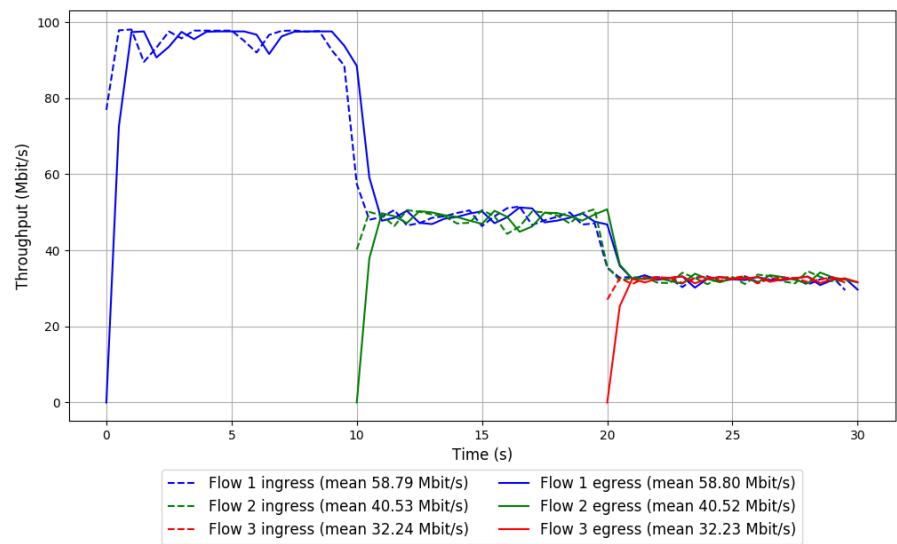


Run 3: Statistics of TCP Cubic

Start at: 2018-06-30 15:07:50
End at: 2018-06-30 15:08:20
Local clock offset: 3.502 ms
Remote clock offset: -10.091 ms

Below is generated by plot.py at 2018-06-30 17:41:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 28.733 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 58.80 Mbit/s
95th percentile per-packet one-way delay: 27.712 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 29.286 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 29.537 ms
Loss rate: 0.28%

Run 3: Report of TCP Cubic — Data Link

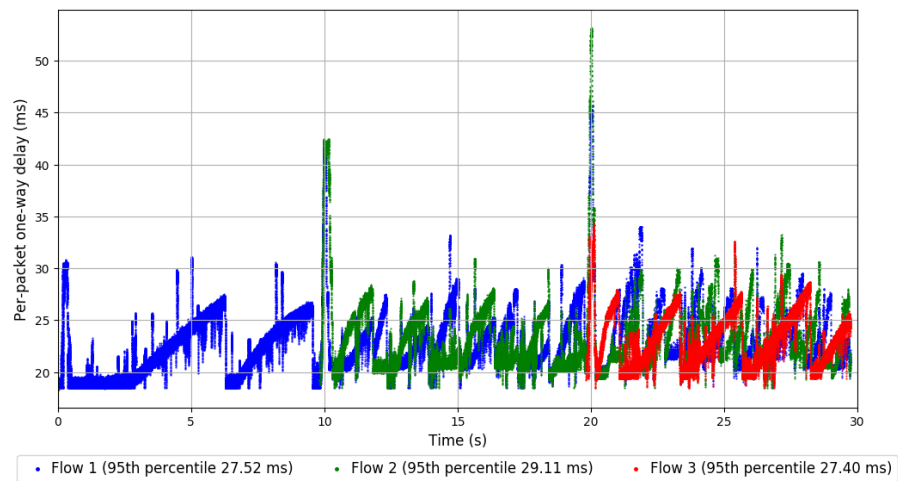
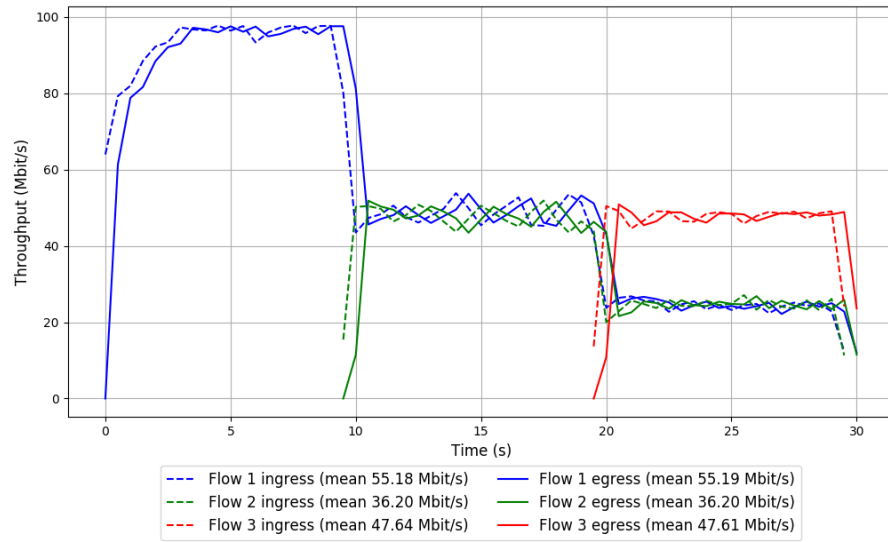


Run 4: Statistics of TCP Cubic

Start at: 2018-06-30 15:28:09
End at: 2018-06-30 15:28:39
Local clock offset: 1.915 ms
Remote clock offset: -7.095 ms

Below is generated by plot.py at 2018-06-30 17:41:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 27.799 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 55.19 Mbit/s
95th percentile per-packet one-way delay: 27.525 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.20 Mbit/s
95th percentile per-packet one-way delay: 29.111 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 47.61 Mbit/s
95th percentile per-packet one-way delay: 27.401 ms
Loss rate: 0.32%

Run 4: Report of TCP Cubic — Data Link

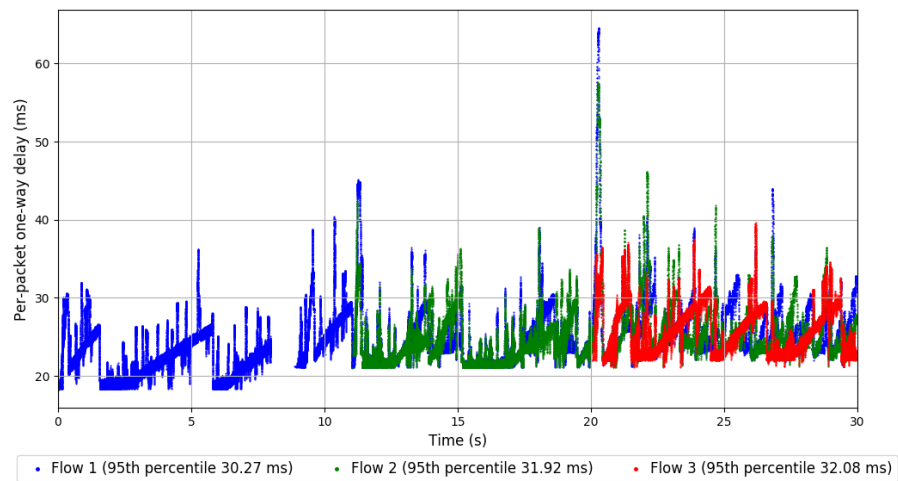
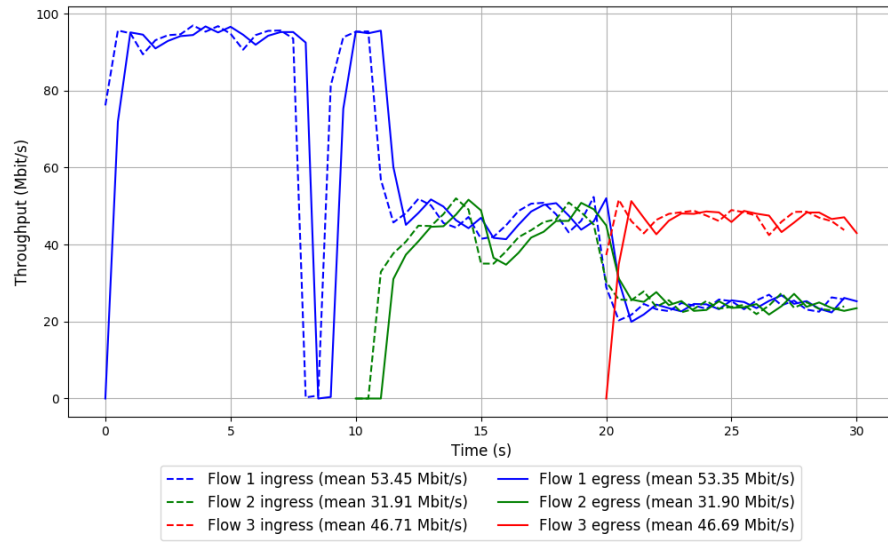


Run 5: Statistics of TCP Cubic

Start at: 2018-06-30 15:48:56
End at: 2018-06-30 15:49:26
Local clock offset: 1.846 ms
Remote clock offset: -1.467 ms

Below is generated by plot.py at 2018-06-30 17:41:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.07 Mbit/s
95th percentile per-packet one-way delay: 31.098 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 53.35 Mbit/s
95th percentile per-packet one-way delay: 30.274 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 31.923 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 46.69 Mbit/s
95th percentile per-packet one-way delay: 32.083 ms
Loss rate: 0.31%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-06-30 16:09:59

End at: 2018-06-30 16:10:29

Local clock offset: 3.118 ms

Remote clock offset: 3.208 ms

Below is generated by plot.py at 2018-06-30 17:42:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.33 Mbit/s

95th percentile per-packet one-way delay: 29.144 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 54.62 Mbit/s

95th percentile per-packet one-way delay: 29.046 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 46.26 Mbit/s

95th percentile per-packet one-way delay: 29.588 ms

Loss rate: 0.17%

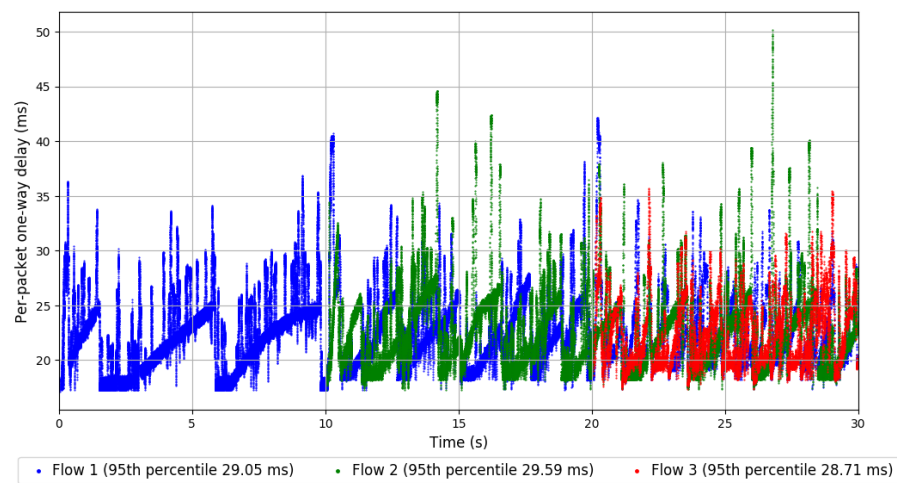
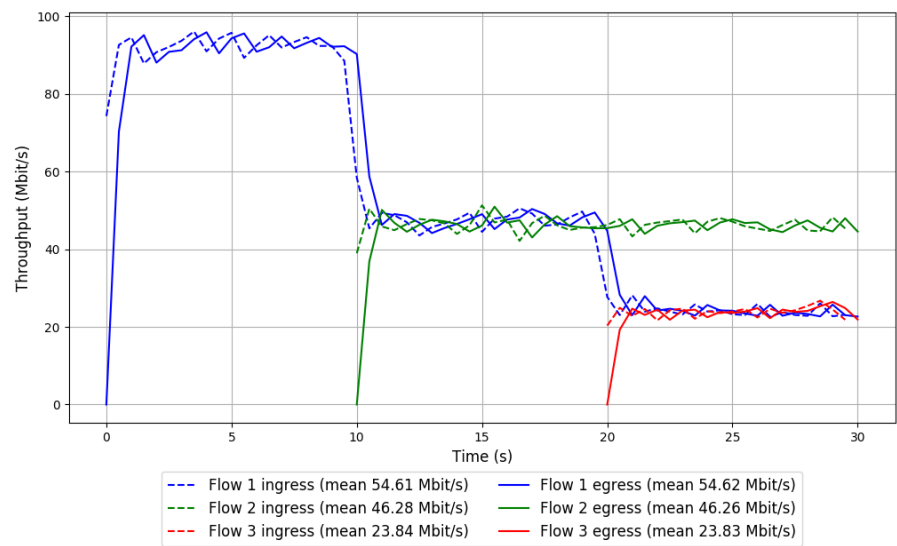
-- Flow 3:

Average throughput: 23.83 Mbit/s

95th percentile per-packet one-way delay: 28.709 ms

Loss rate: 0.27%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-06-30 16:30:21

End at: 2018-06-30 16:30:51

Local clock offset: 0.628 ms

Remote clock offset: 0.651 ms

Below is generated by plot.py at 2018-06-30 17:42:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.55 Mbit/s

95th percentile per-packet one-way delay: 27.528 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 53.12 Mbit/s

95th percentile per-packet one-way delay: 27.262 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 35.10 Mbit/s

95th percentile per-packet one-way delay: 28.286 ms

Loss rate: 0.11%

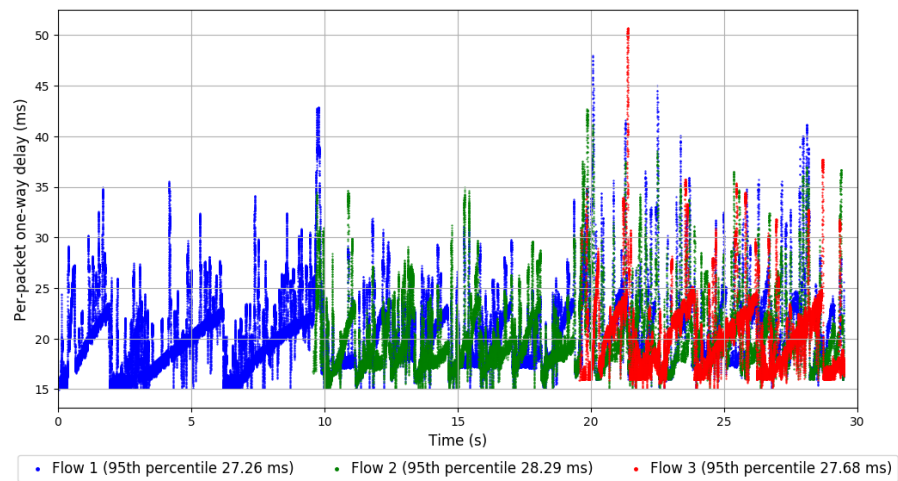
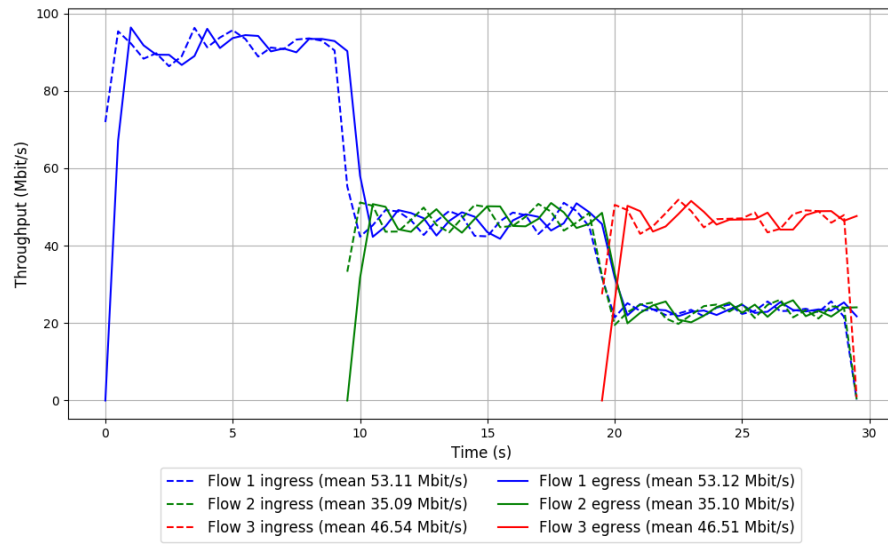
-- Flow 3:

Average throughput: 46.51 Mbit/s

95th percentile per-packet one-way delay: 27.685 ms

Loss rate: 0.30%

Run 7: Report of TCP Cubic — Data Link

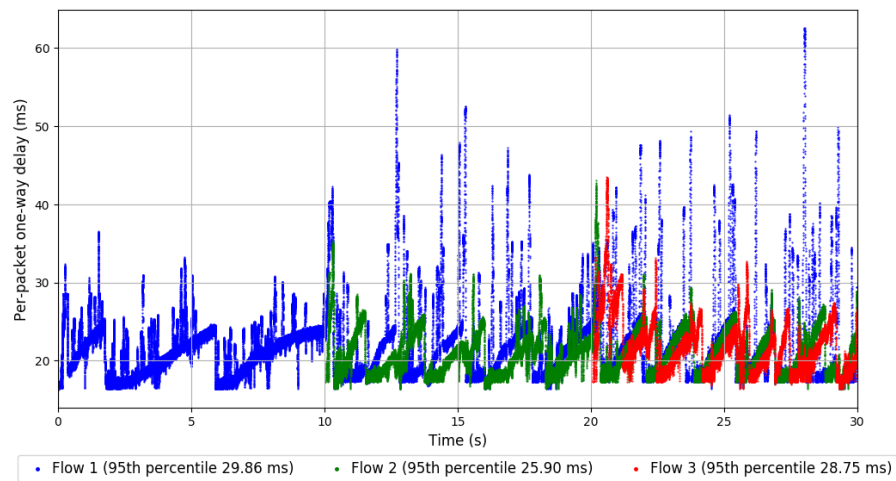
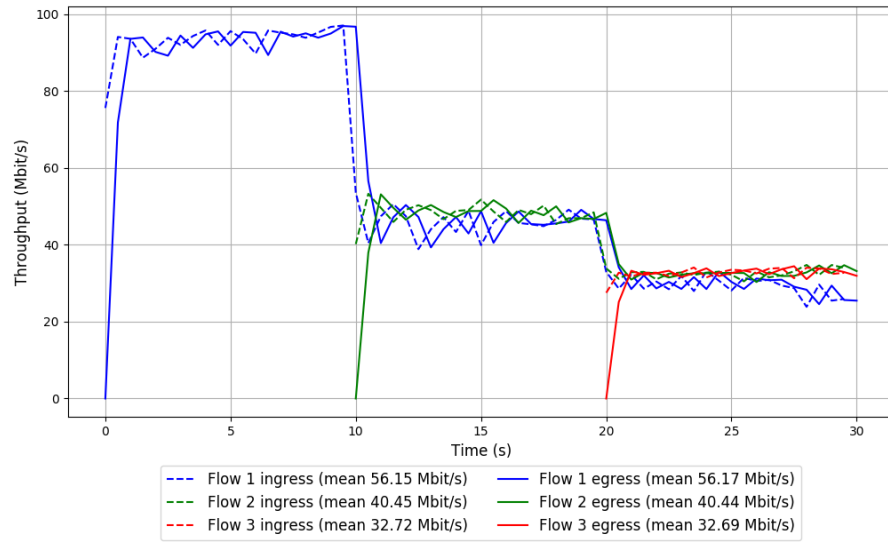


Run 8: Statistics of TCP Cubic

Start at: 2018-06-30 16:50:19
End at: 2018-06-30 16:50:49
Local clock offset: 0.861 ms
Remote clock offset: -1.414 ms

Below is generated by plot.py at 2018-06-30 17:42:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.94 Mbit/s
95th percentile per-packet one-way delay: 28.468 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.17 Mbit/s
95th percentile per-packet one-way delay: 29.858 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: 25.898 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 32.69 Mbit/s
95th percentile per-packet one-way delay: 28.753 ms
Loss rate: 0.32%

Run 8: Report of TCP Cubic — Data Link

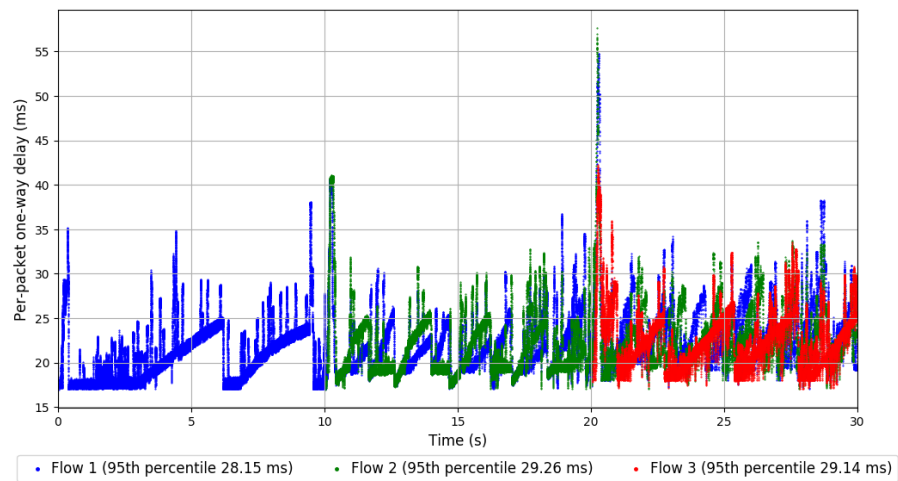
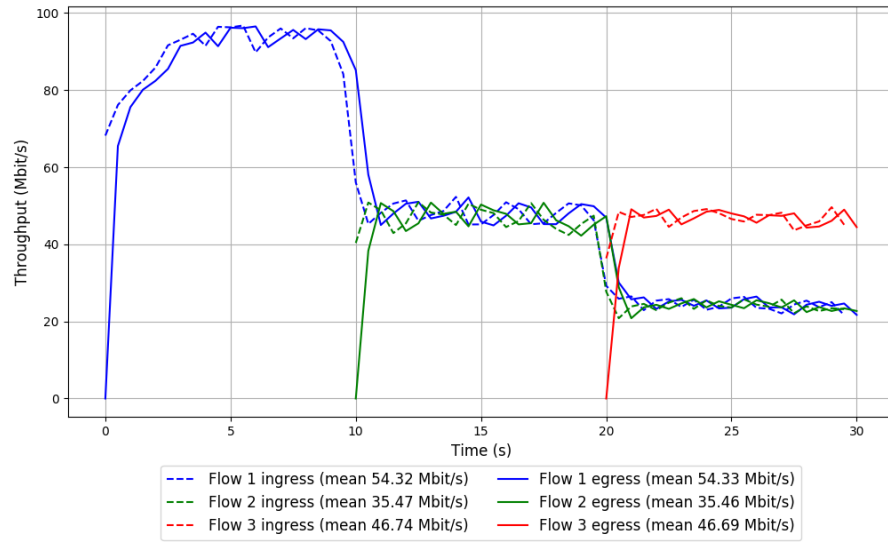


Run 9: Statistics of TCP Cubic

Start at: 2018-06-30 17:10:10
End at: 2018-06-30 17:10:40
Local clock offset: 1.115 ms
Remote clock offset: -3.156 ms

Below is generated by plot.py at 2018-06-30 17:42:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: 28.535 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 54.33 Mbit/s
95th percentile per-packet one-way delay: 28.149 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 35.46 Mbit/s
95th percentile per-packet one-way delay: 29.257 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 46.69 Mbit/s
95th percentile per-packet one-way delay: 29.141 ms
Loss rate: 0.35%

Run 9: Report of TCP Cubic — Data Link

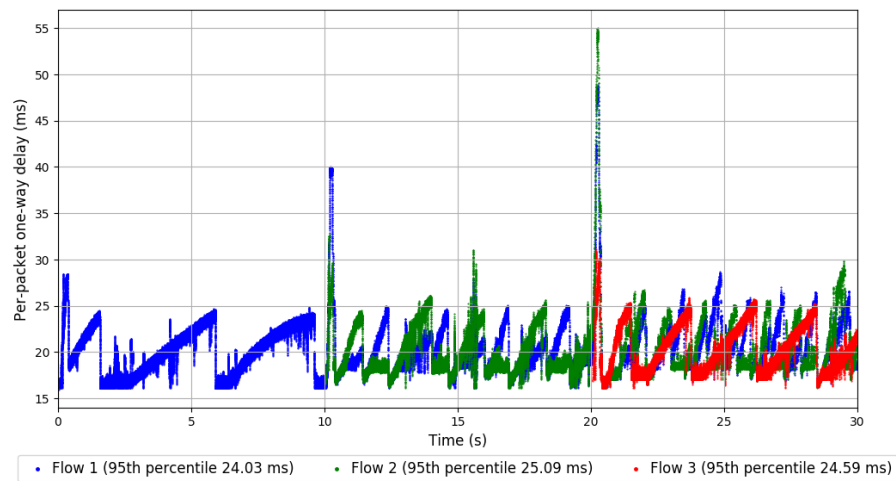
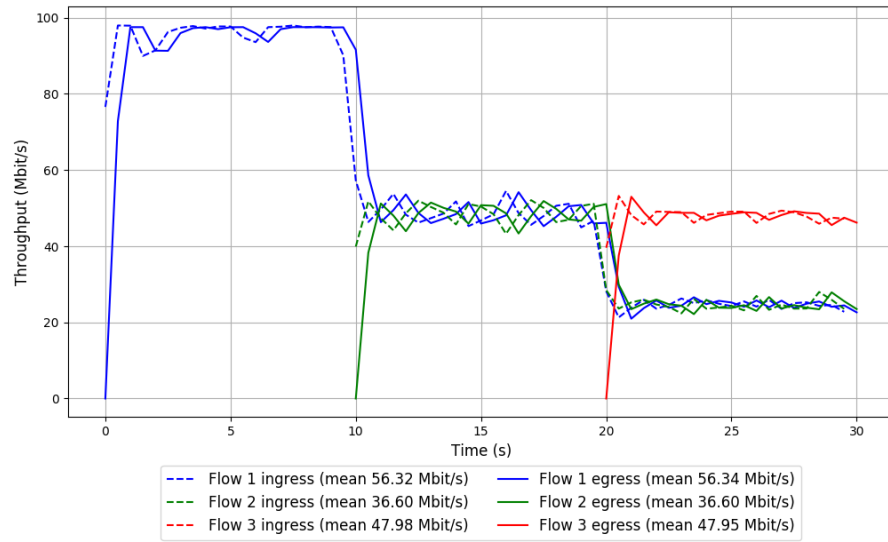


Run 10: Statistics of TCP Cubic

Start at: 2018-06-30 17:30:22
End at: 2018-06-30 17:30:52
Local clock offset: 0.048 ms
Remote clock offset: -1.635 ms

Below is generated by plot.py at 2018-06-30 17:42:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 24.443 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.34 Mbit/s
95th percentile per-packet one-way delay: 24.026 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.60 Mbit/s
95th percentile per-packet one-way delay: 25.087 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 47.95 Mbit/s
95th percentile per-packet one-way delay: 24.591 ms
Loss rate: 0.31%

Run 10: Report of TCP Cubic — Data Link

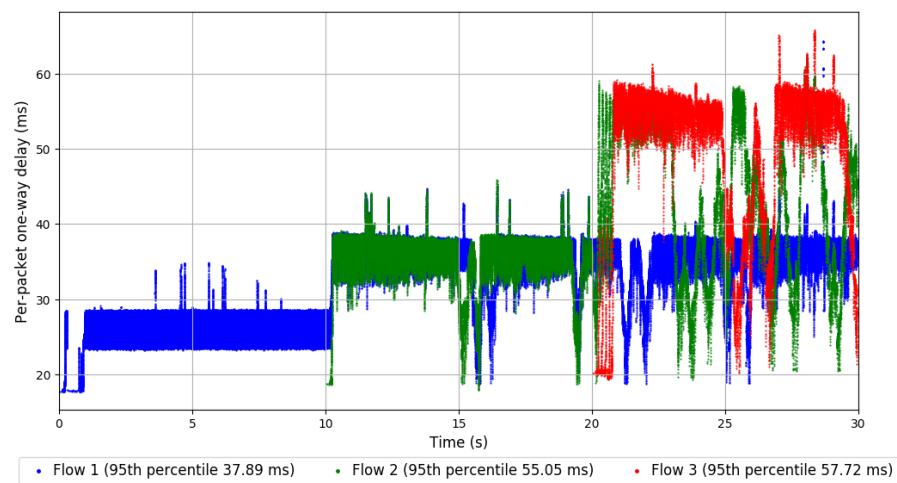
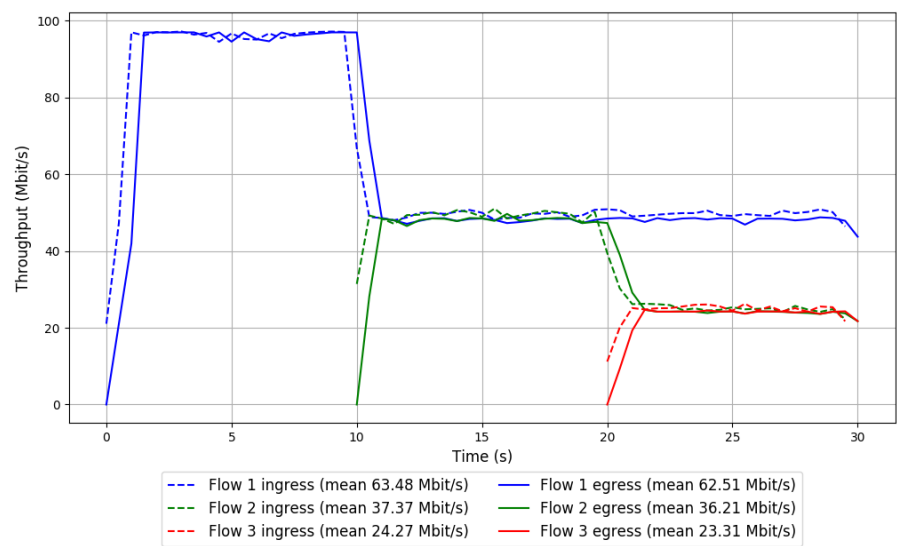


Run 1: Statistics of FillP

Start at: 2018-06-30 14:13:56
End at: 2018-06-30 14:14:26
Local clock offset: 1.921 ms
Remote clock offset: -3.426 ms

Below is generated by plot.py at 2018-06-30 17:43:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.30 Mbit/s
95th percentile per-packet one-way delay: 54.635 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 62.51 Mbit/s
95th percentile per-packet one-way delay: 37.890 ms
Loss rate: 1.63%
-- Flow 2:
Average throughput: 36.21 Mbit/s
95th percentile per-packet one-way delay: 55.051 ms
Loss rate: 3.23%
-- Flow 3:
Average throughput: 23.31 Mbit/s
95th percentile per-packet one-way delay: 57.722 ms
Loss rate: 4.15%

Run 1: Report of FillP — Data Link

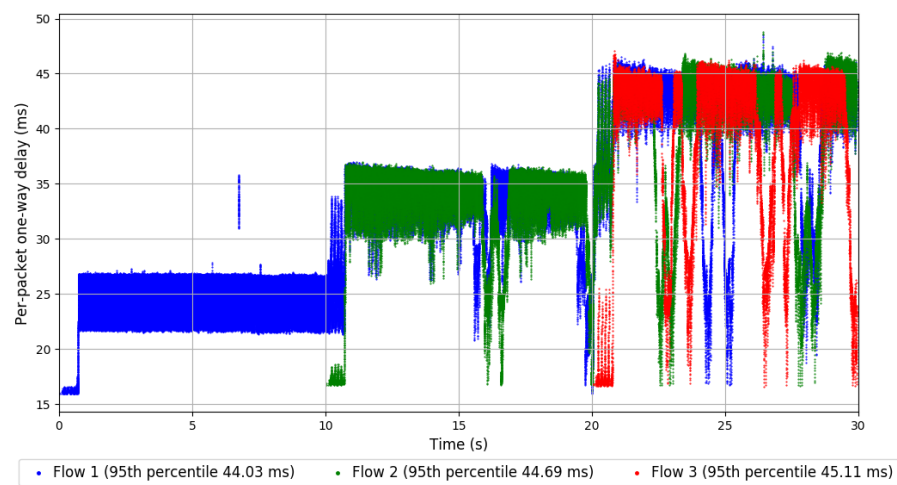
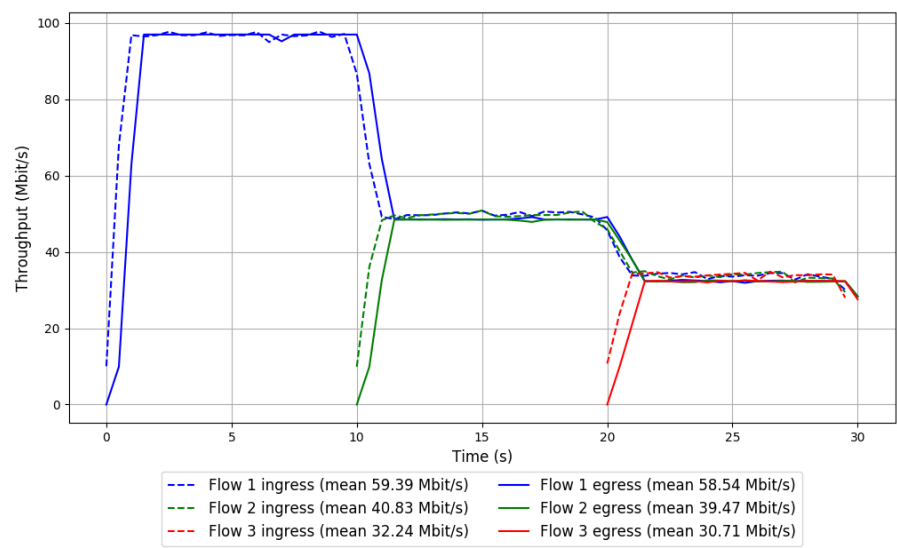


Run 2: Statistics of FillP

Start at: 2018-06-30 14:34:24
End at: 2018-06-30 14:34:54
Local clock offset: 0.367 ms
Remote clock offset: -5.298 ms

Below is generated by plot.py at 2018-06-30 17:43:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.96 Mbit/s
95th percentile per-packet one-way delay: 44.571 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 58.54 Mbit/s
95th percentile per-packet one-way delay: 44.029 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 39.47 Mbit/s
95th percentile per-packet one-way delay: 44.689 ms
Loss rate: 3.49%
-- Flow 3:
Average throughput: 30.71 Mbit/s
95th percentile per-packet one-way delay: 45.107 ms
Loss rate: 4.97%

Run 2: Report of FillP — Data Link

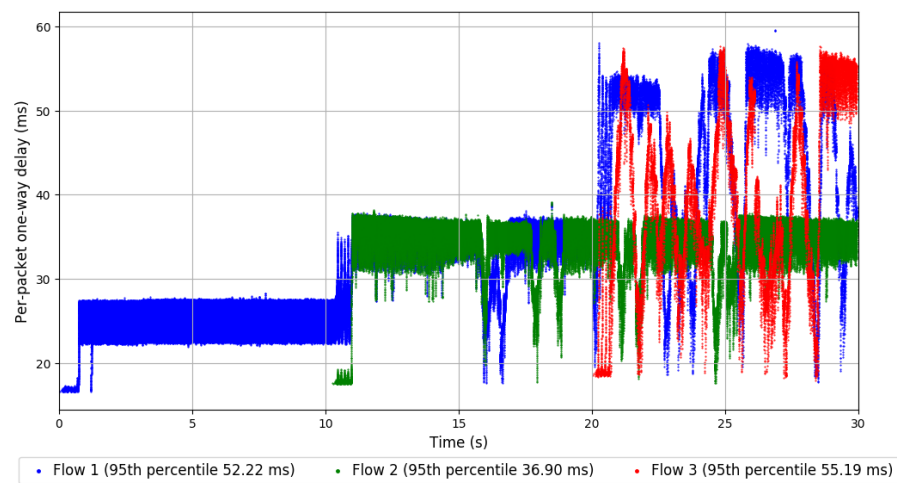
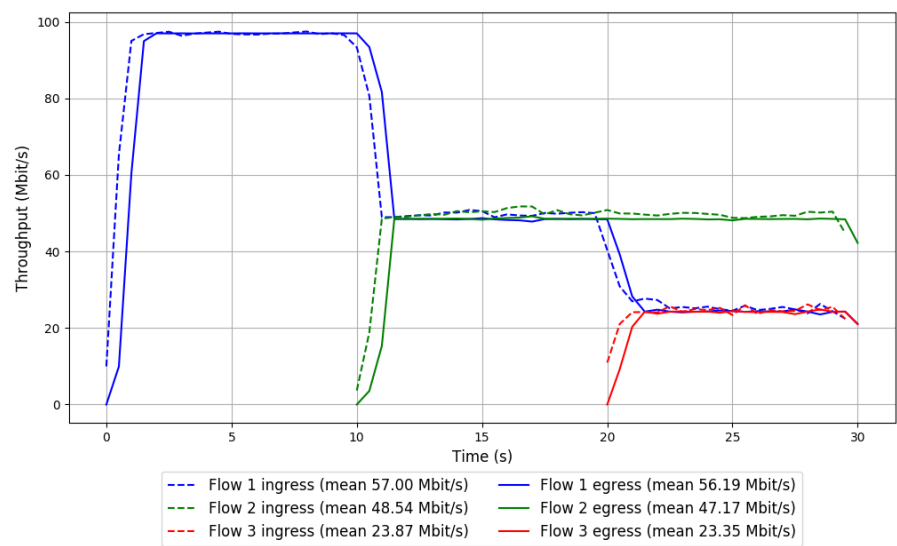


Run 3: Statistics of FillP

Start at: 2018-06-30 14:54:47
End at: 2018-06-30 14:55:17
Local clock offset: 1.375 ms
Remote clock offset: -11.235 ms

Below is generated by plot.py at 2018-06-30 17:43:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.93 Mbit/s
95th percentile per-packet one-way delay: 51.660 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 56.19 Mbit/s
95th percentile per-packet one-way delay: 52.222 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 47.17 Mbit/s
95th percentile per-packet one-way delay: 36.895 ms
Loss rate: 2.99%
-- Flow 3:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 55.188 ms
Loss rate: 2.58%

Run 3: Report of FillP — Data Link

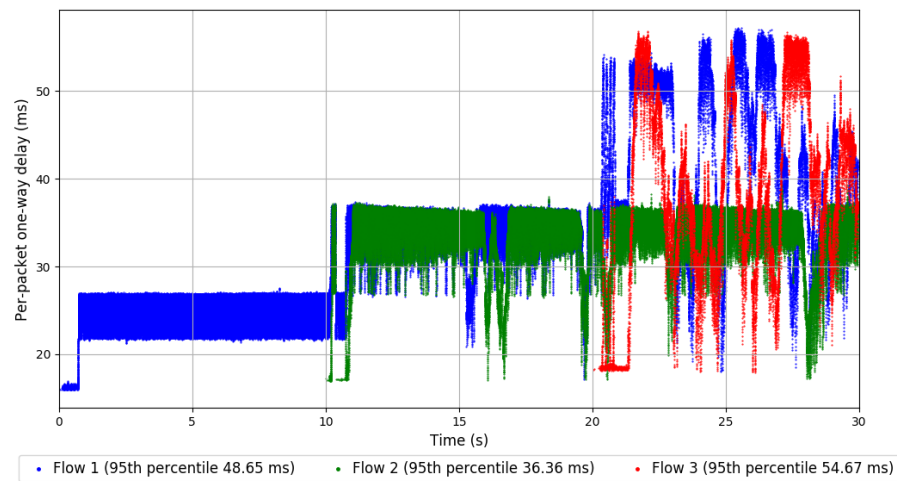
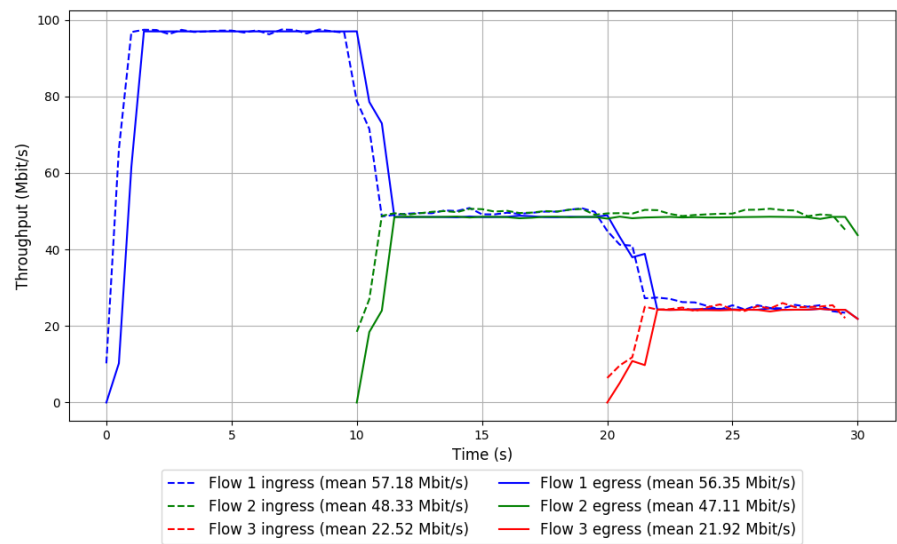


Run 4: Statistics of FillP

Start at: 2018-06-30 15:15:04
End at: 2018-06-30 15:15:34
Local clock offset: 0.442 ms
Remote clock offset: -8.712 ms

Below is generated by plot.py at 2018-06-30 17:43:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 47.537 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 56.35 Mbit/s
95th percentile per-packet one-way delay: 48.646 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 47.11 Mbit/s
95th percentile per-packet one-way delay: 36.363 ms
Loss rate: 2.68%
-- Flow 3:
Average throughput: 21.92 Mbit/s
95th percentile per-packet one-way delay: 54.667 ms
Loss rate: 2.79%

Run 4: Report of FillP — Data Link

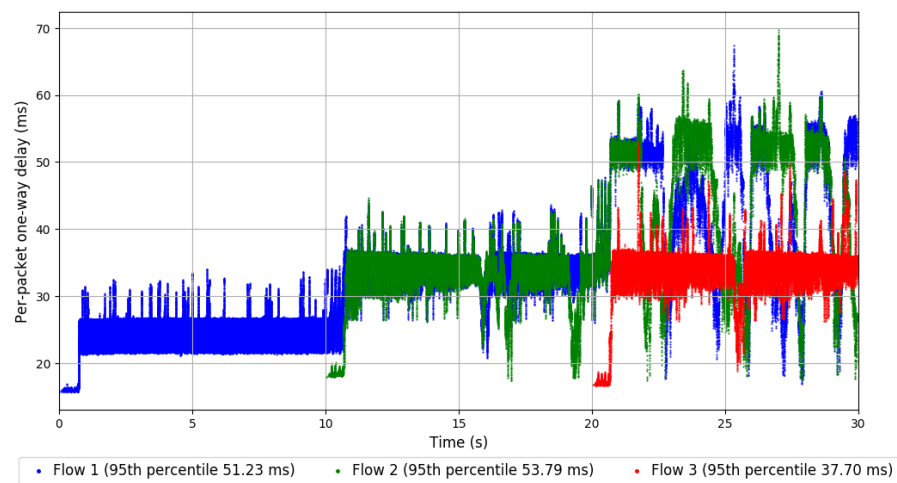
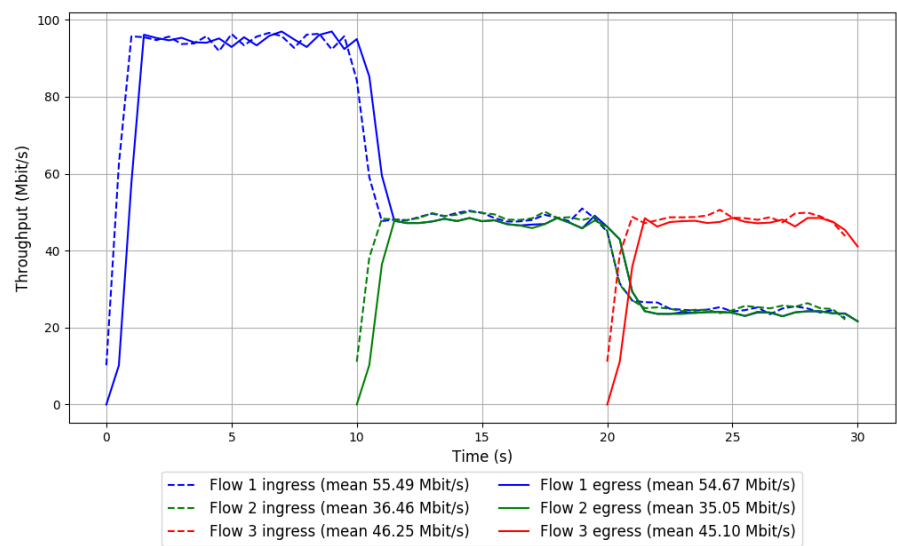


Run 5: Statistics of FillP

Start at: 2018-06-30 15:35:30
End at: 2018-06-30 15:36:00
Local clock offset: -0.442 ms
Remote clock offset: -6.244 ms

Below is generated by plot.py at 2018-06-30 17:43:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.95 Mbit/s
95th percentile per-packet one-way delay: 52.053 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 54.67 Mbit/s
95th percentile per-packet one-way delay: 51.230 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 35.05 Mbit/s
95th percentile per-packet one-way delay: 53.794 ms
Loss rate: 3.98%
-- Flow 3:
Average throughput: 45.10 Mbit/s
95th percentile per-packet one-way delay: 37.702 ms
Loss rate: 2.79%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-06-30 15:56:43

End at: 2018-06-30 15:57:13

Local clock offset: -0.389 ms

Remote clock offset: 0.251 ms

Below is generated by plot.py at 2018-06-30 17:43:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.00 Mbit/s

95th percentile per-packet one-way delay: 44.706 ms

Loss rate: 2.99%

-- Flow 1:

Average throughput: 57.01 Mbit/s

95th percentile per-packet one-way delay: 43.541 ms

Loss rate: 1.86%

-- Flow 2:

Average throughput: 38.73 Mbit/s

95th percentile per-packet one-way delay: 44.686 ms

Loss rate: 3.89%

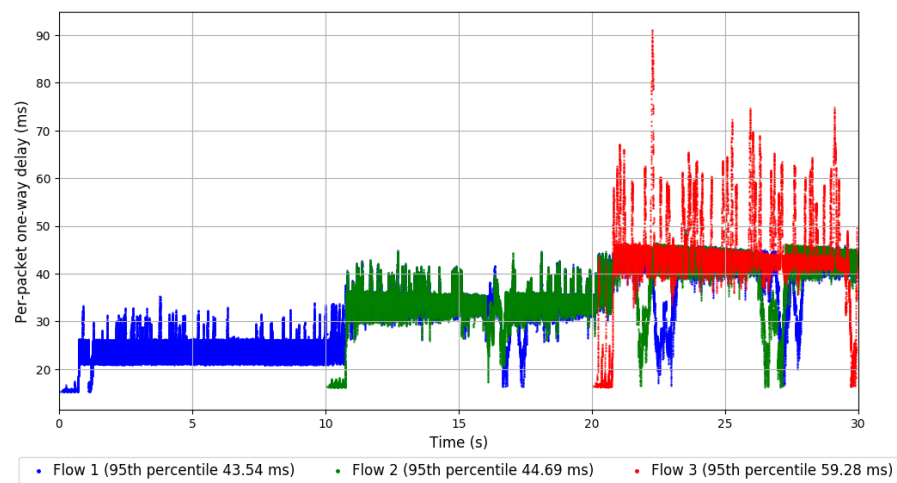
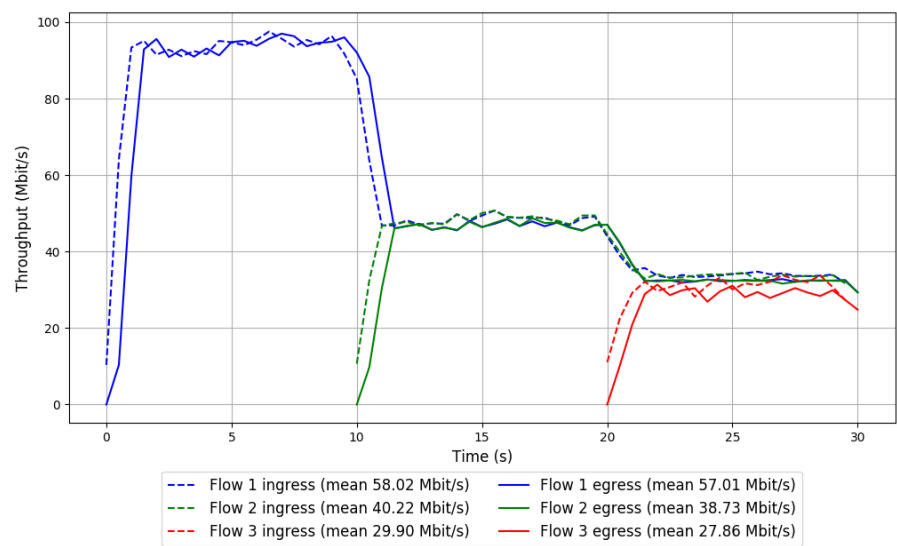
-- Flow 3:

Average throughput: 27.86 Mbit/s

95th percentile per-packet one-way delay: 59.284 ms

Loss rate: 7.17%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-06-30 16:17:10

End at: 2018-06-30 16:17:40

Local clock offset: 1.339 ms

Remote clock offset: 0.932 ms

Below is generated by plot.py at 2018-06-30 17:43:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.89 Mbit/s

95th percentile per-packet one-way delay: 53.479 ms

Loss rate: 3.12%

-- Flow 1:

Average throughput: 53.03 Mbit/s

95th percentile per-packet one-way delay: 53.096 ms

Loss rate: 2.04%

-- Flow 2:

Average throughput: 33.69 Mbit/s

95th percentile per-packet one-way delay: 54.907 ms

Loss rate: 4.22%

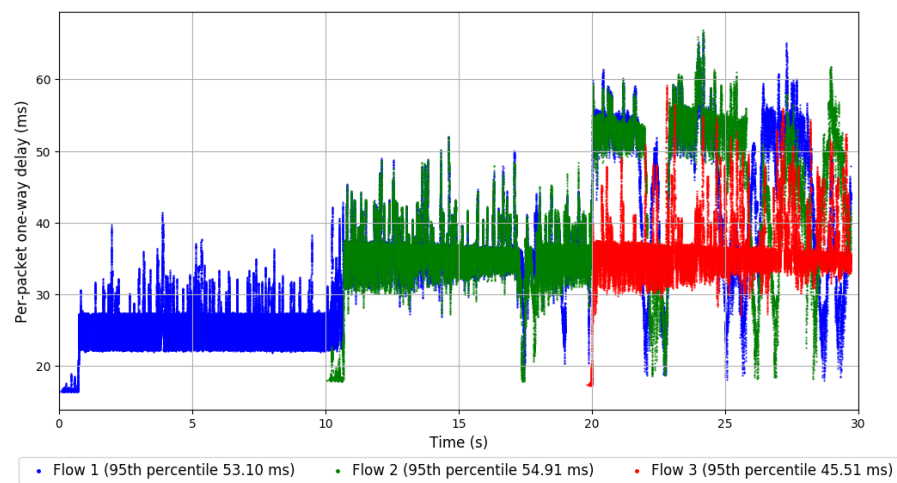
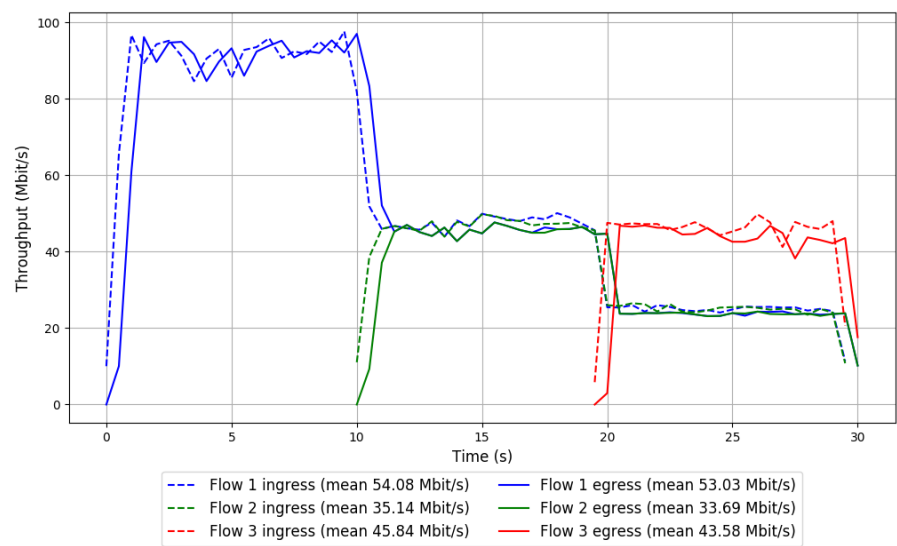
-- Flow 3:

Average throughput: 43.58 Mbit/s

95th percentile per-packet one-way delay: 45.510 ms

Loss rate: 5.25%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-06-30 16:37:26

End at: 2018-06-30 16:37:56

Local clock offset: 4.766 ms

Remote clock offset: 0.799 ms

Below is generated by plot.py at 2018-06-30 17:43:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.92 Mbit/s

95th percentile per-packet one-way delay: 56.069 ms

Loss rate: 2.83%

-- Flow 1:

Average throughput: 61.10 Mbit/s

95th percentile per-packet one-way delay: 40.421 ms

Loss rate: 1.96%

-- Flow 2:

Average throughput: 34.83 Mbit/s

95th percentile per-packet one-way delay: 56.582 ms

Loss rate: 4.36%

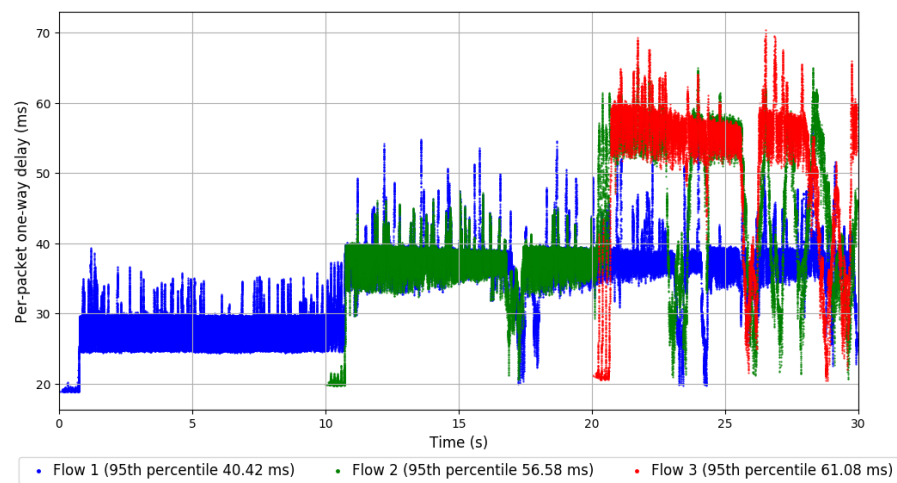
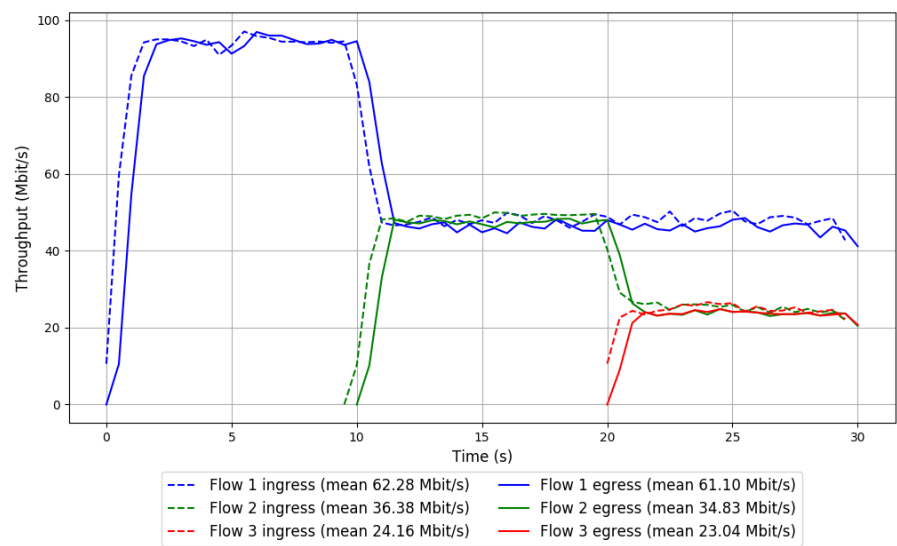
-- Flow 3:

Average throughput: 23.04 Mbit/s

95th percentile per-packet one-way delay: 61.083 ms

Loss rate: 5.01%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-06-30 16:57:20

End at: 2018-06-30 16:57:50

Local clock offset: -1.061 ms

Remote clock offset: -0.95 ms

Below is generated by plot.py at 2018-06-30 17:44:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.08 Mbit/s

95th percentile per-packet one-way delay: 42.479 ms

Loss rate: 3.69%

-- Flow 1:

Average throughput: 56.97 Mbit/s

95th percentile per-packet one-way delay: 41.253 ms

Loss rate: 1.90%

-- Flow 2:

Average throughput: 35.10 Mbit/s

95th percentile per-packet one-way delay: 51.565 ms

Loss rate: 7.39%

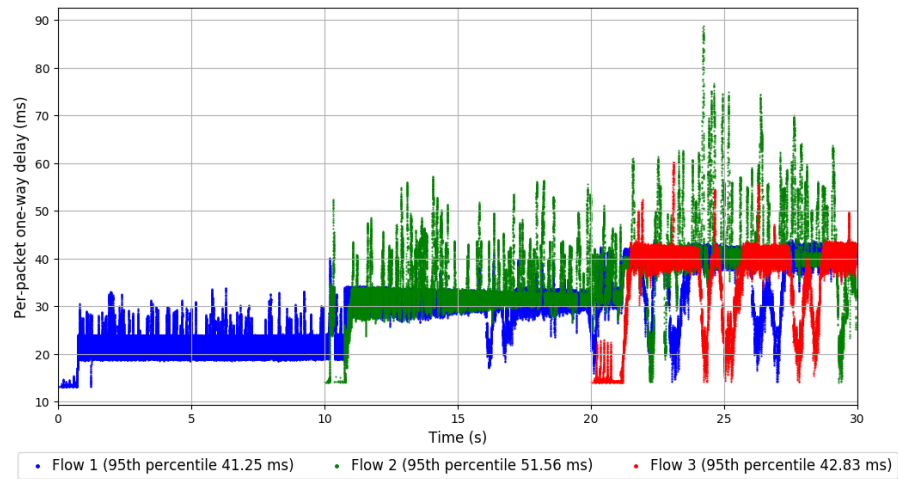
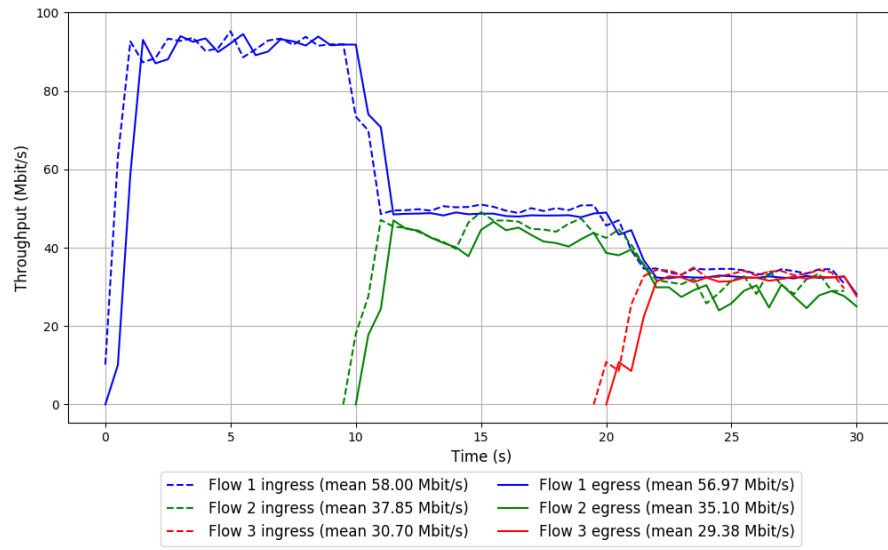
-- Flow 3:

Average throughput: 29.38 Mbit/s

95th percentile per-packet one-way delay: 42.828 ms

Loss rate: 4.69%

Run 9: Report of FillP — Data Link

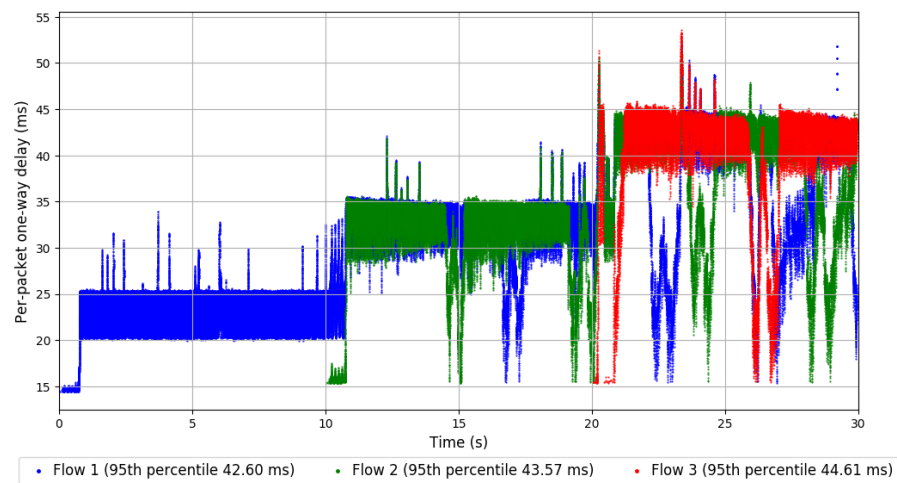
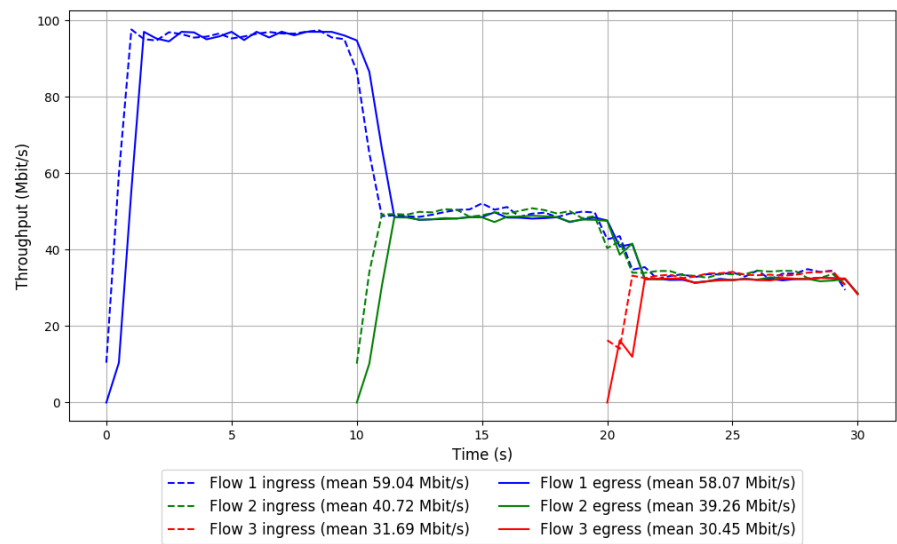


Run 10: Statistics of FillP

Start at: 2018-06-30 17:17:18
End at: 2018-06-30 17:17:48
Local clock offset: -0.024 ms
Remote clock offset: -1.858 ms

Below is generated by plot.py at 2018-06-30 17:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.28 Mbit/s
95th percentile per-packet one-way delay: 43.558 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 58.07 Mbit/s
95th percentile per-packet one-way delay: 42.605 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 39.26 Mbit/s
95th percentile per-packet one-way delay: 43.573 ms
Loss rate: 3.68%
-- Flow 3:
Average throughput: 30.45 Mbit/s
95th percentile per-packet one-way delay: 44.609 ms
Loss rate: 4.17%

Run 10: Report of FillP — Data Link

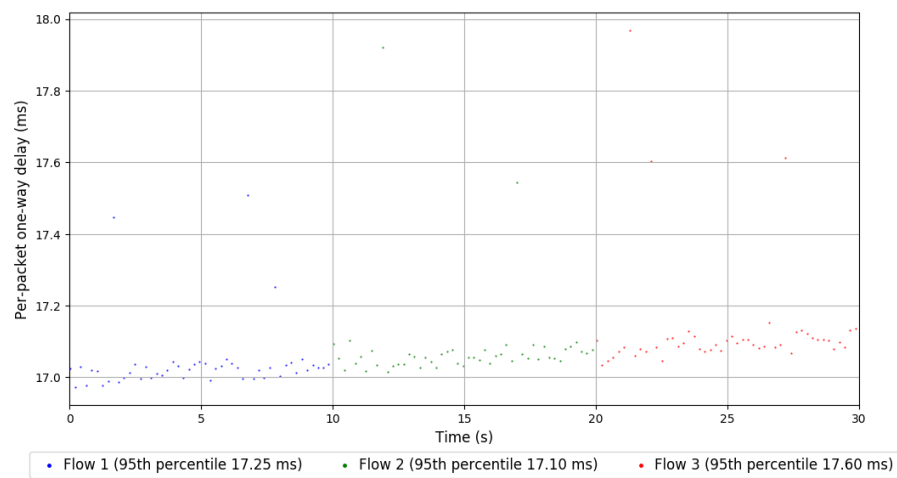
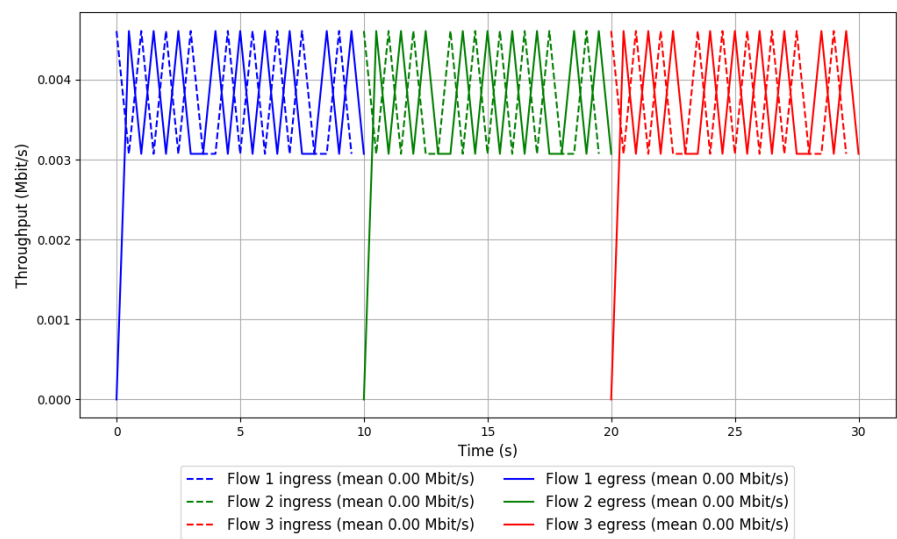


Run 1: Statistics of FillP-Sheep

Start at: 2018-06-30 14:26:06
End at: 2018-06-30 14:26:36
Local clock offset: 1.119 ms
Remote clock offset: -0.664 ms

Below is generated by plot.py at 2018-06-30 17:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 17.253 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 17.253 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 17.104 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 17.602 ms
Loss rate: 0.00%

Run 1: Report of FillP-Sheep — Data Link

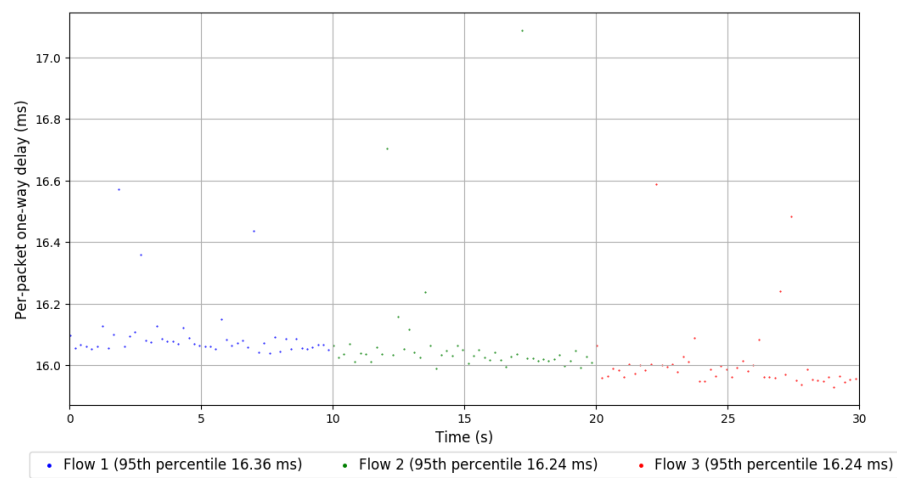
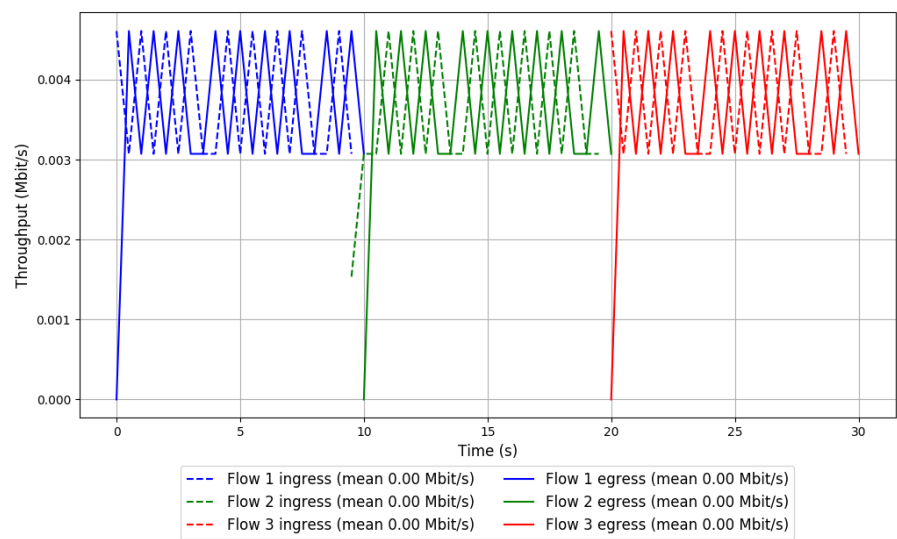


Run 2: Statistics of FillP-Sheep

Start at: 2018-06-30 14:46:27
End at: 2018-06-30 14:46:57
Local clock offset: 0.221 ms
Remote clock offset: -10.259 ms

Below is generated by plot.py at 2018-06-30 17:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 16.240 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 16.360 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 16.239 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 16.240 ms
Loss rate: 0.00%

Run 2: Report of FillP-Sheep — Data Link

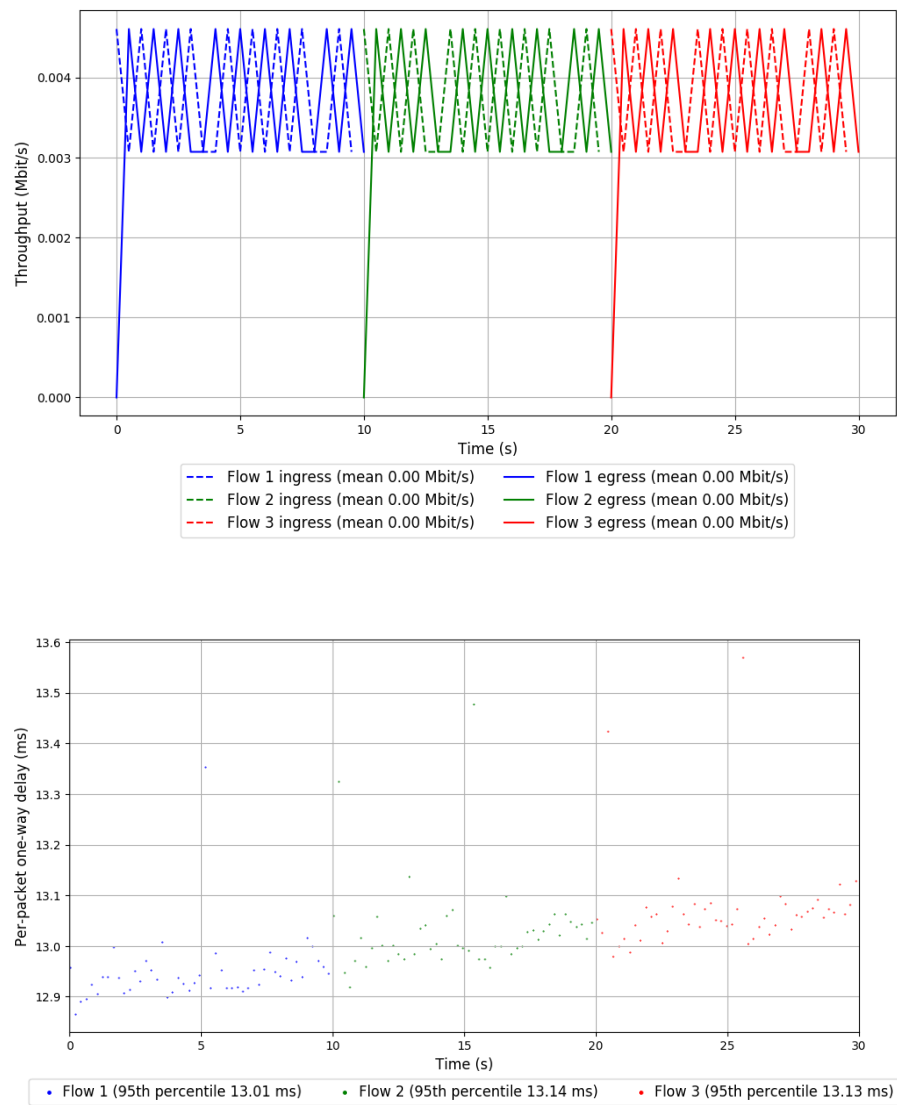


Run 3: Statistics of FillP-Sheep

Start at: 2018-06-30 15:06:44
End at: 2018-06-30 15:07:14
Local clock offset: -1.981 ms
Remote clock offset: -9.987 ms

Below is generated by plot.py at 2018-06-30 17:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 13.128 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 13.008 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 13.137 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 13.133 ms
Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link

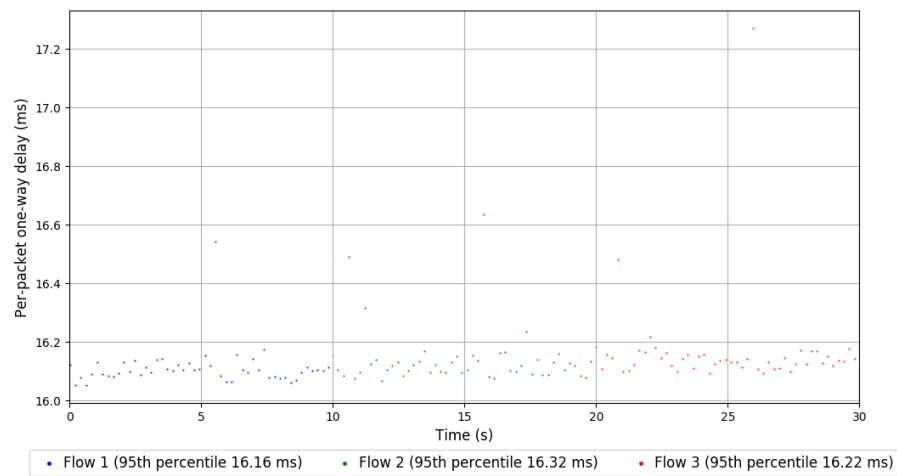
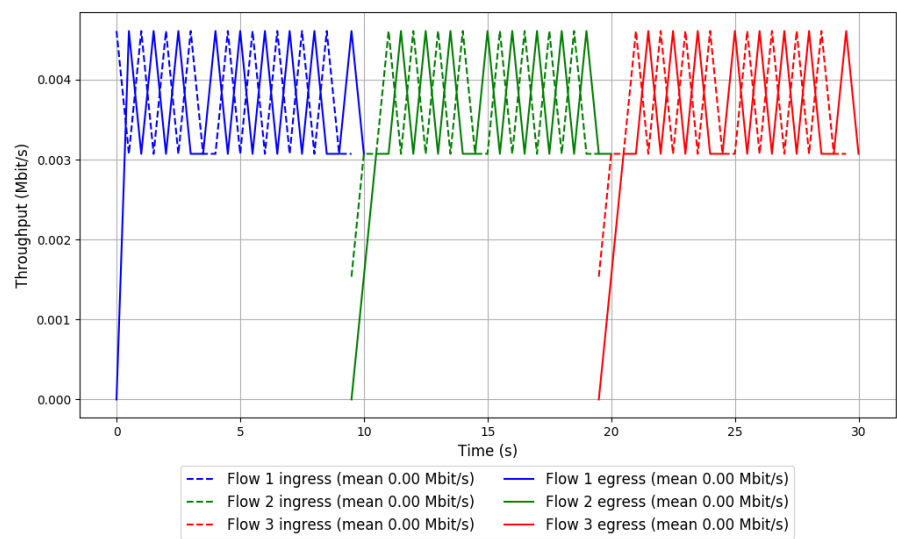


Run 4: Statistics of FillP-Sheep

Start at: 2018-06-30 15:27:03
End at: 2018-06-30 15:27:33
Local clock offset: 0.473 ms
Remote clock offset: -6.401 ms

Below is generated by plot.py at 2018-06-30 17:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 16.219 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 16.157 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 16.318 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 16.219 ms
Loss rate: 0.00%

Run 4: Report of FillP-Sheep — Data Link

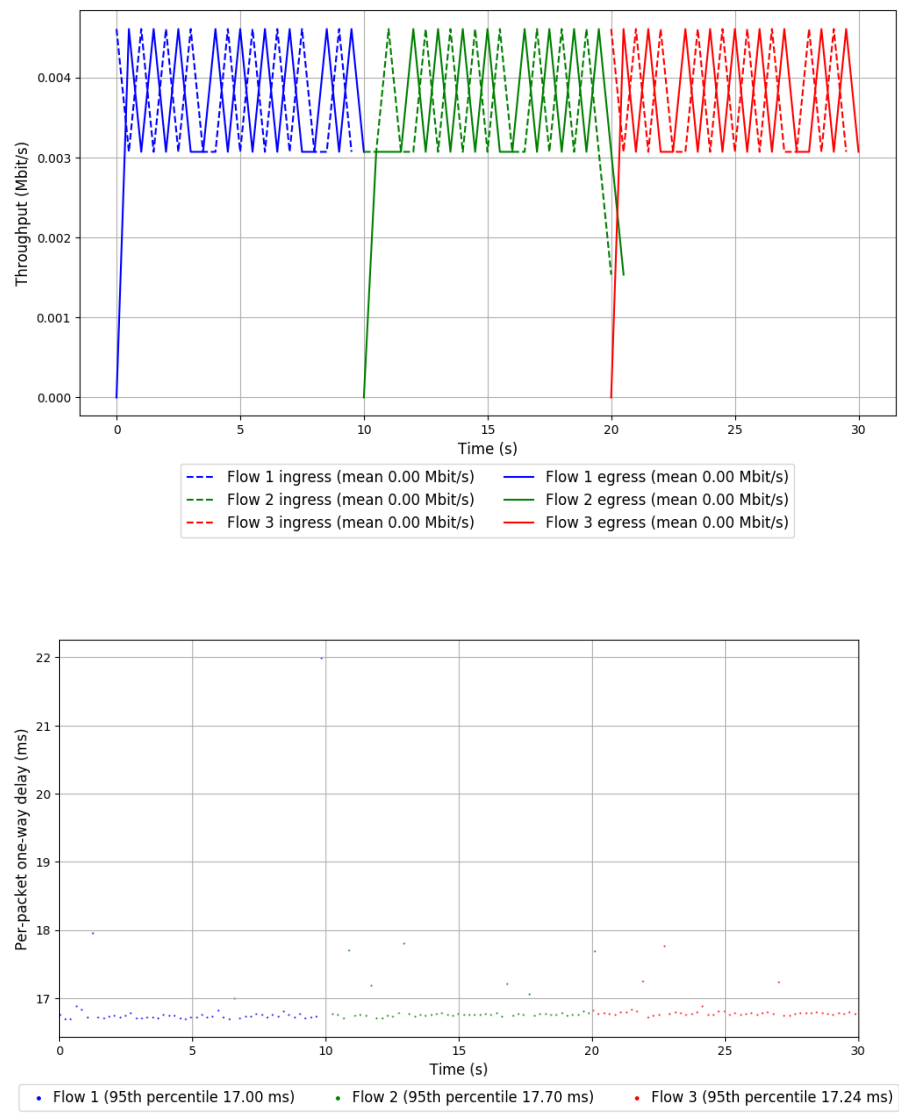


Run 5: Statistics of FillP-Sheep

Start at: 2018-06-30 15:47:51
End at: 2018-06-30 15:48:21
Local clock offset: 0.952 ms
Remote clock offset: -0.958 ms

Below is generated by plot.py at 2018-06-30 17:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 17.242 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 17.000 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 17.695 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 17.242 ms
Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-06-30 16:08:54

End at: 2018-06-30 16:09:24

Local clock offset: 2.027 ms

Remote clock offset: 2.267 ms

Below is generated by plot.py at 2018-06-30 17:44:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.468 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.929 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.071 ms

Loss rate: 0.00%

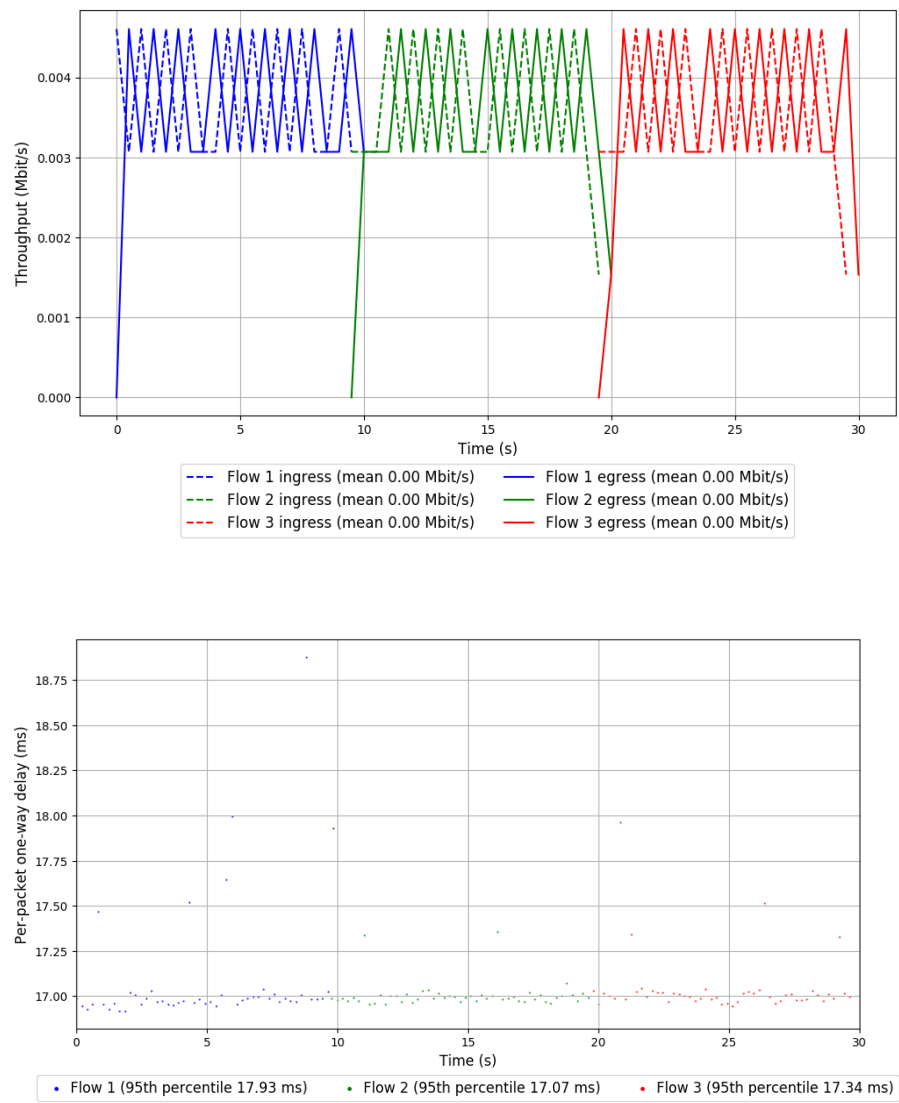
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.341 ms

Loss rate: 0.00%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-06-30 16:29:11

End at: 2018-06-30 16:29:41

Local clock offset: 1.326 ms

Remote clock offset: 1.173 ms

Below is generated by plot.py at 2018-06-30 17:44:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 15.727 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 15.335 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 15.727 ms

Loss rate: 0.00%

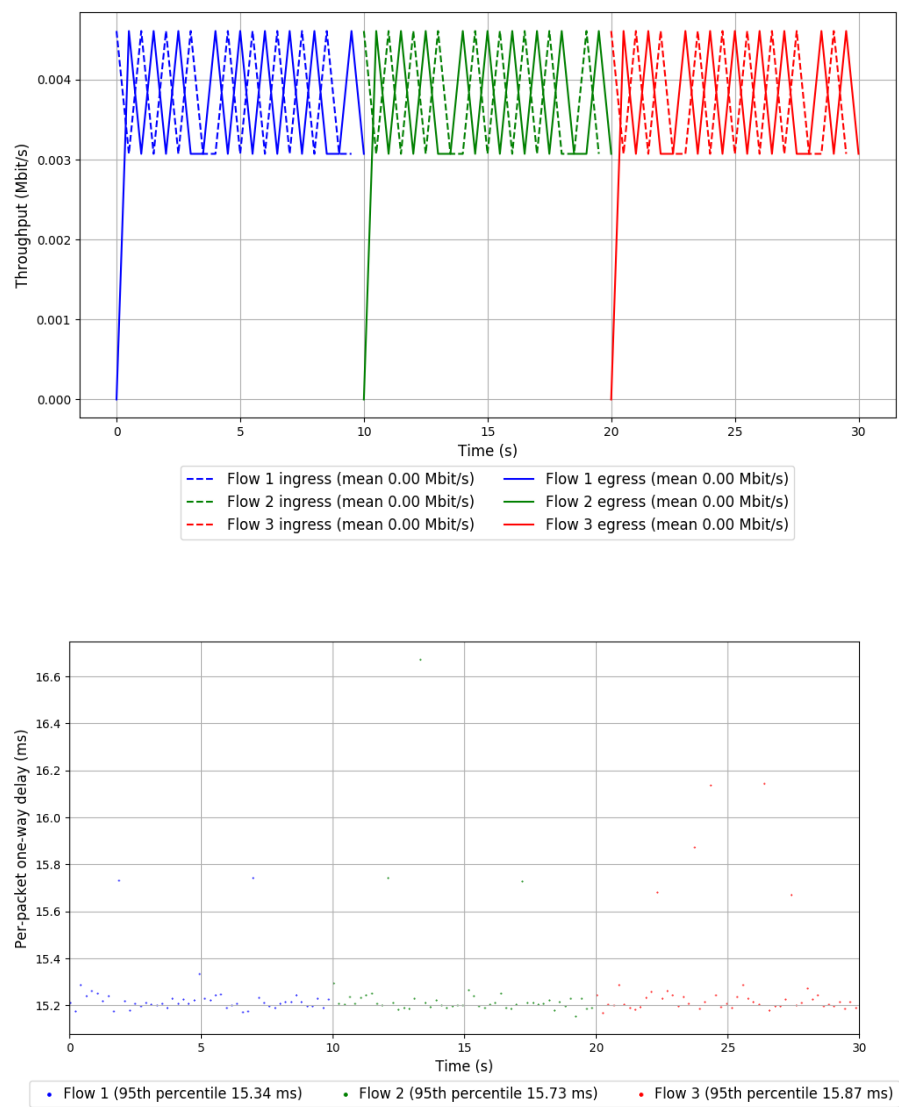
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 15.874 ms

Loss rate: 0.00%

Run 7: Report of FillP-Sheep — Data Link

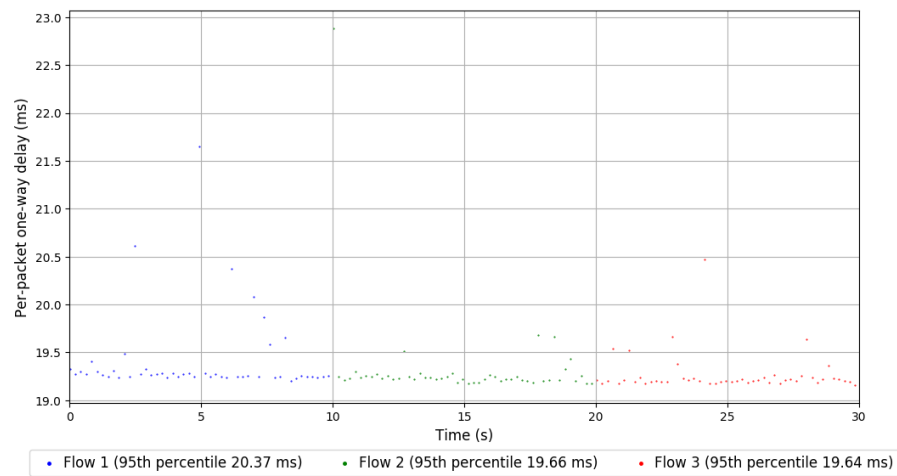
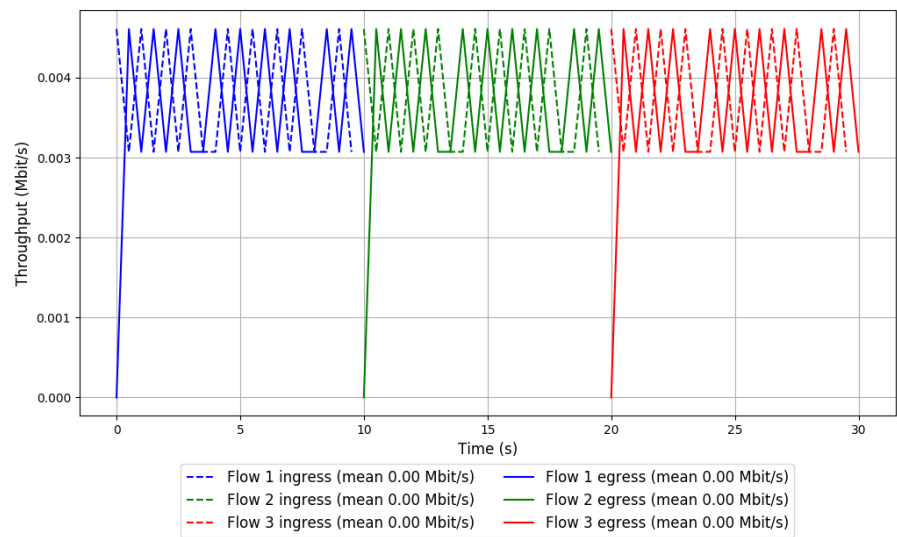


Run 8: Statistics of FillP-Sheep

Start at: 2018-06-30 16:49:14
End at: 2018-06-30 16:49:44
Local clock offset: 4.043 ms
Remote clock offset: -0.946 ms

Below is generated by plot.py at 2018-06-30 17:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 19.679 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 20.374 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 19.662 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 19.639 ms
Loss rate: 0.00%

Run 8: Report of FillP-Sheep — Data Link

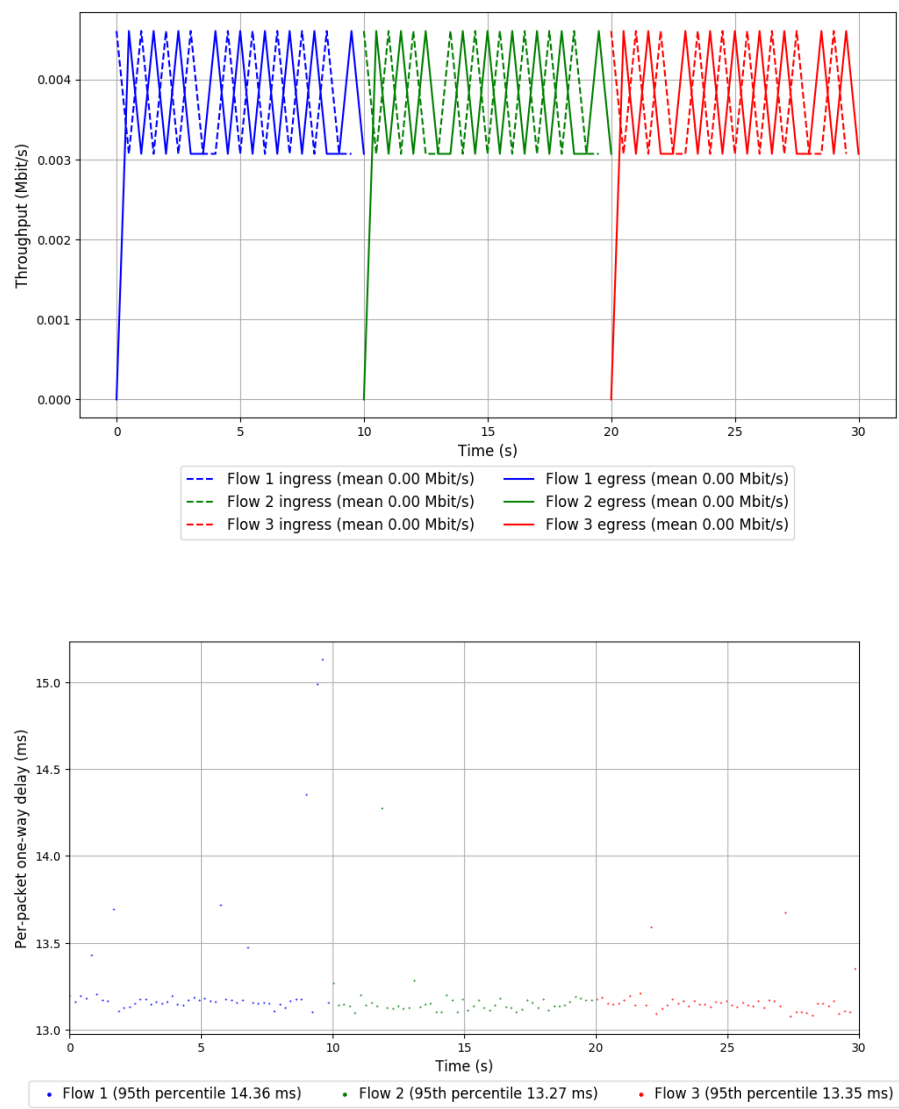


Run 9: Statistics of FillP-Sheep

Start at: 2018-06-30 17:09:01
End at: 2018-06-30 17:09:31
Local clock offset: -2.086 ms
Remote clock offset: -2.472 ms

Below is generated by plot.py at 2018-06-30 17:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 13.590 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 14.356 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 13.268 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 13.352 ms
Loss rate: 0.00%

Run 9: Report of FillP-Sheep — Data Link

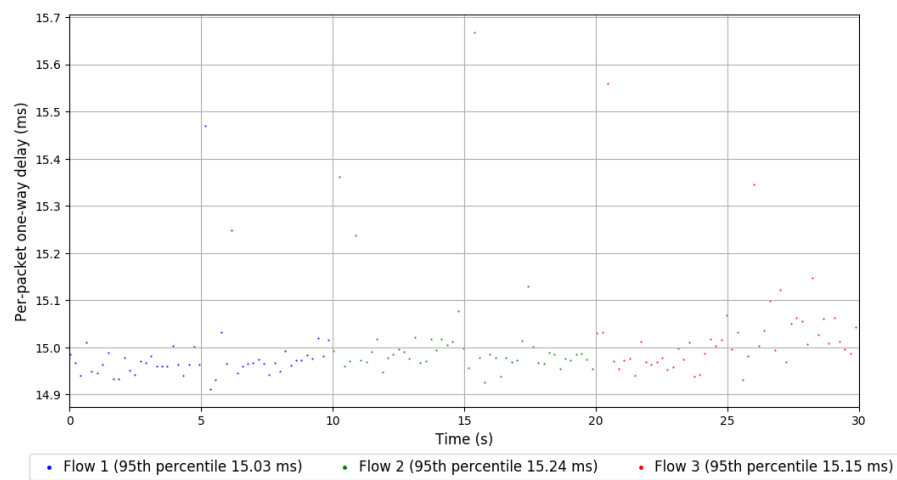
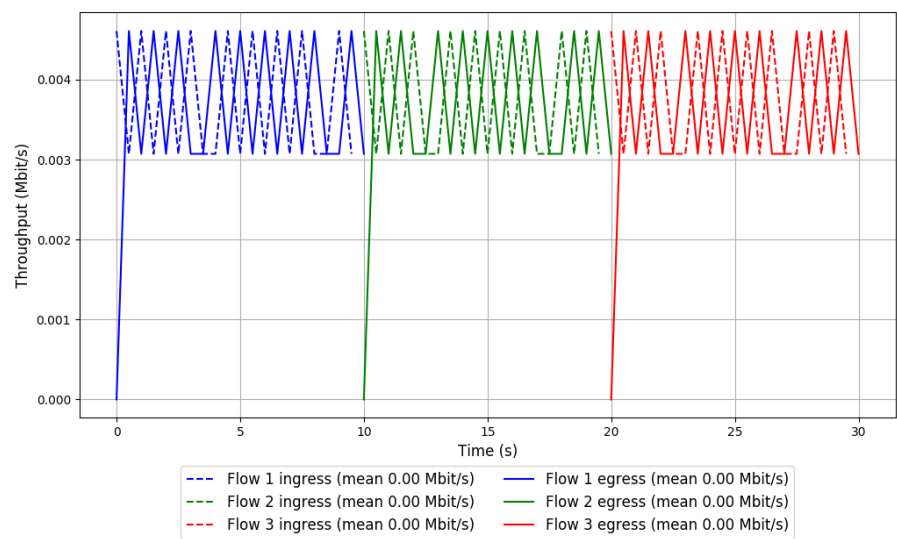


Run 10: Statistics of FillP-Sheep

Start at: 2018-06-30 17:29:17
End at: 2018-06-30 17:29:47
Local clock offset: -0.861 ms
Remote clock offset: -1.624 ms

Below is generated by plot.py at 2018-06-30 17:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 15.148 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 15.032 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 15.237 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 15.148 ms
Loss rate: 0.00%

Run 10: Report of FillP-Sheep — Data Link

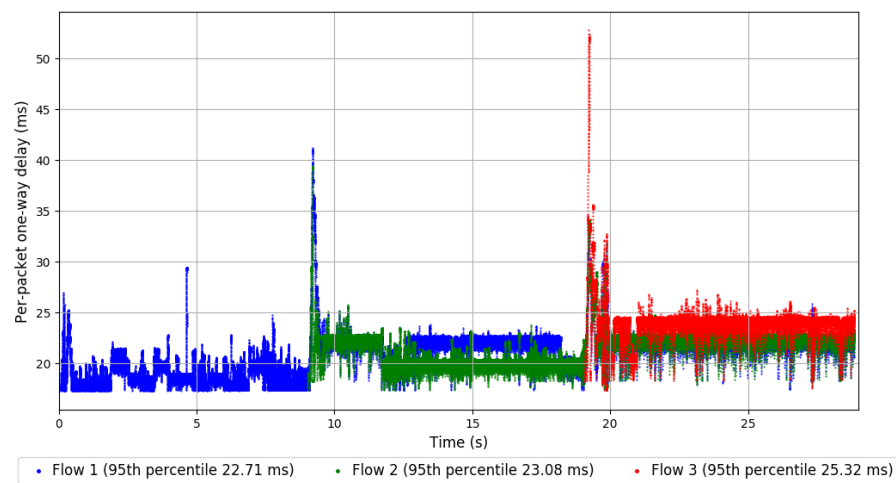
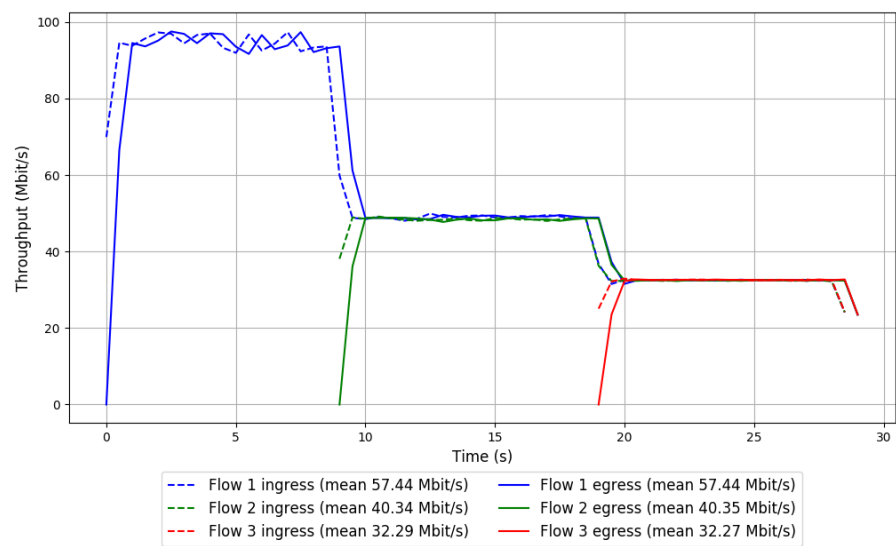


```
Run 1: Statistics of Indigo

Start at: 2018-06-30 14:22:22
End at: 2018-06-30 14:22:52
Local clock offset: 2.388 ms
Remote clock offset: -0.37 ms

# Below is generated by plot.py at 2018-06-30 17:44:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.16 Mbit/s
95th percentile per-packet one-way delay: 24.388 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 57.44 Mbit/s
95th percentile per-packet one-way delay: 22.708 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.35 Mbit/s
95th percentile per-packet one-way delay: 23.078 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 25.317 ms
Loss rate: 0.32%
```

Run 1: Report of Indigo — Data Link

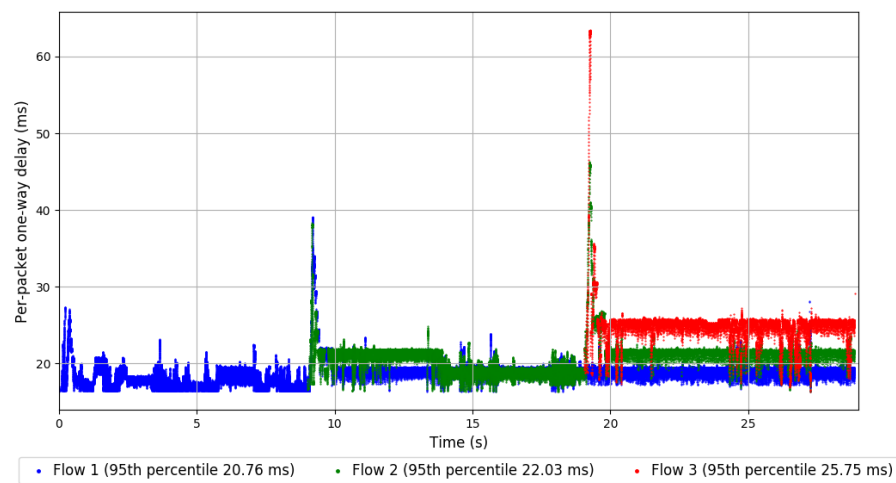
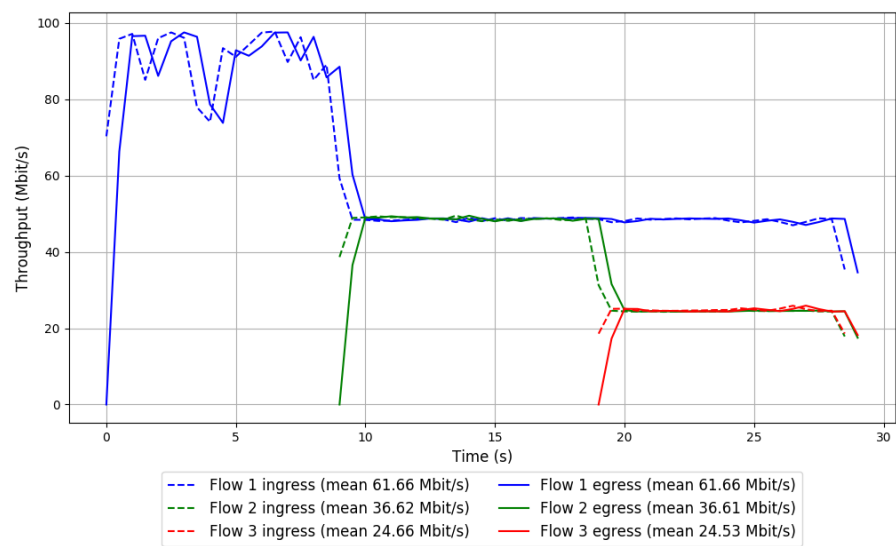


Run 2: Statistics of Indigo

Start at: 2018-06-30 14:42:49
End at: 2018-06-30 14:43:19
Local clock offset: 0.336 ms
Remote clock offset: -9.417 ms

Below is generated by plot.py at 2018-06-30 17:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.16 Mbit/s
95th percentile per-packet one-way delay: 25.186 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 61.66 Mbit/s
95th percentile per-packet one-way delay: 20.763 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 36.61 Mbit/s
95th percentile per-packet one-way delay: 22.031 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 25.748 ms
Loss rate: 0.74%

Run 2: Report of Indigo — Data Link

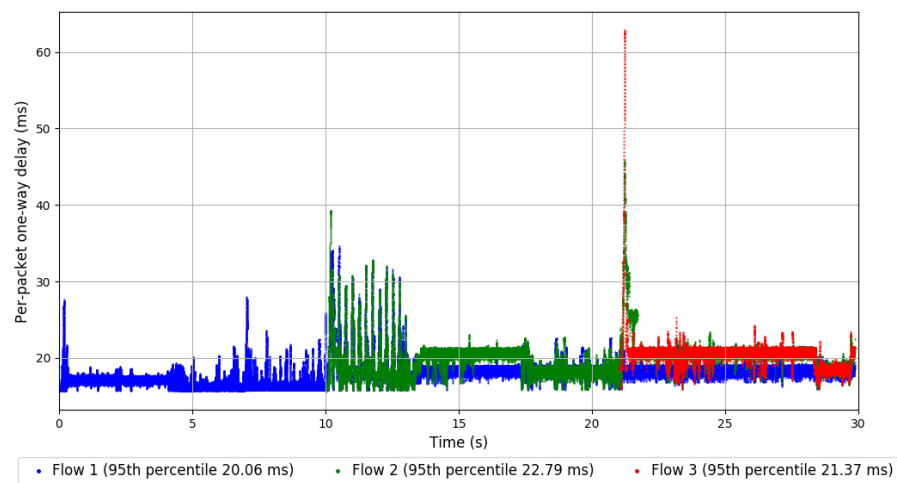
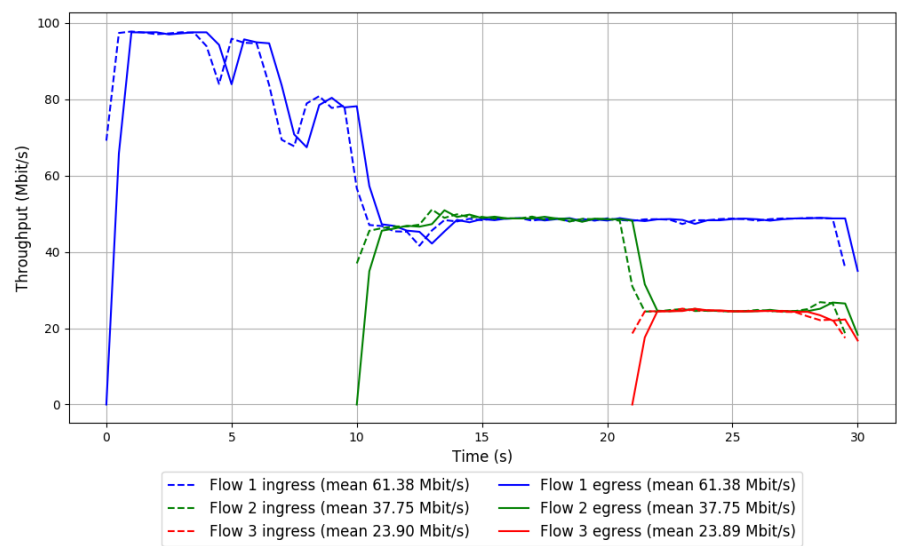


Run 3: Statistics of Indigo

Start at: 2018-06-30 15:03:04
End at: 2018-06-30 15:03:34
Local clock offset: 0.071 ms
Remote clock offset: -12.175 ms

Below is generated by plot.py at 2018-06-30 17:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.52 Mbit/s
95th percentile per-packet one-way delay: 21.265 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 61.38 Mbit/s
95th percentile per-packet one-way delay: 20.060 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 37.75 Mbit/s
95th percentile per-packet one-way delay: 22.791 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 23.89 Mbit/s
95th percentile per-packet one-way delay: 21.372 ms
Loss rate: 0.34%

Run 3: Report of Indigo — Data Link

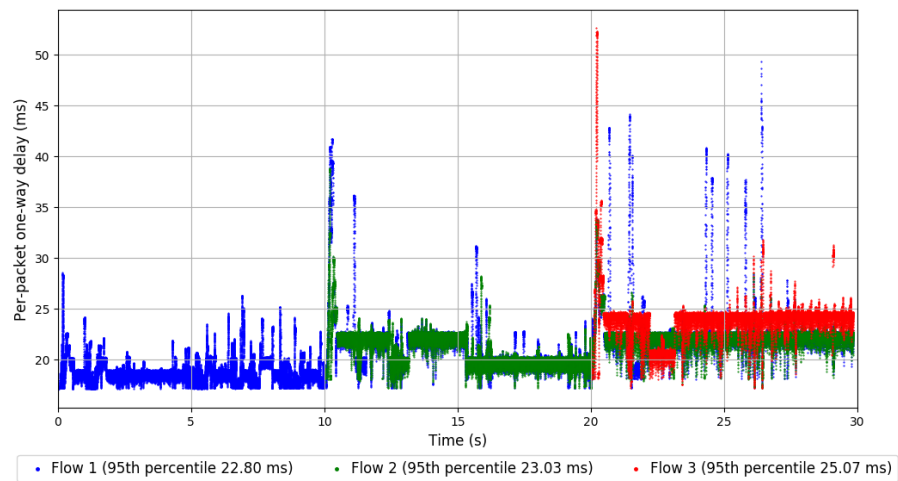
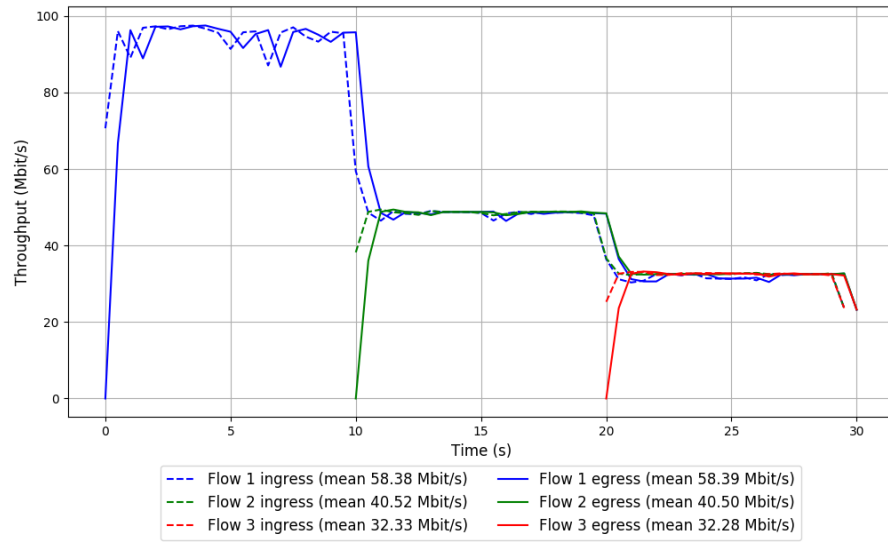


Run 4: Statistics of Indigo

Start at: 2018-06-30 15:23:20
End at: 2018-06-30 15:23:50
Local clock offset: 1.169 ms
Remote clock offset: -7.105 ms

Below is generated by plot.py at 2018-06-30 17:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 24.477 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 58.39 Mbit/s
95th percentile per-packet one-way delay: 22.795 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.50 Mbit/s
95th percentile per-packet one-way delay: 23.027 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 32.28 Mbit/s
95th percentile per-packet one-way delay: 25.071 ms
Loss rate: 0.41%

Run 4: Report of Indigo — Data Link

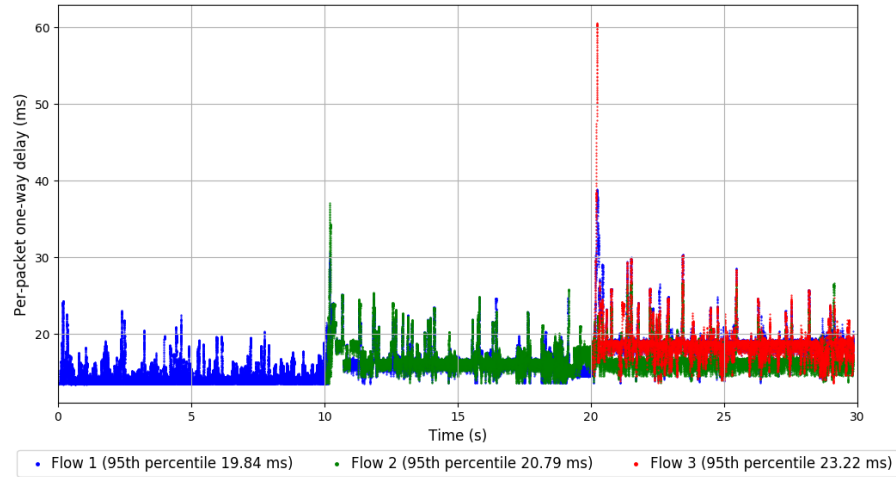
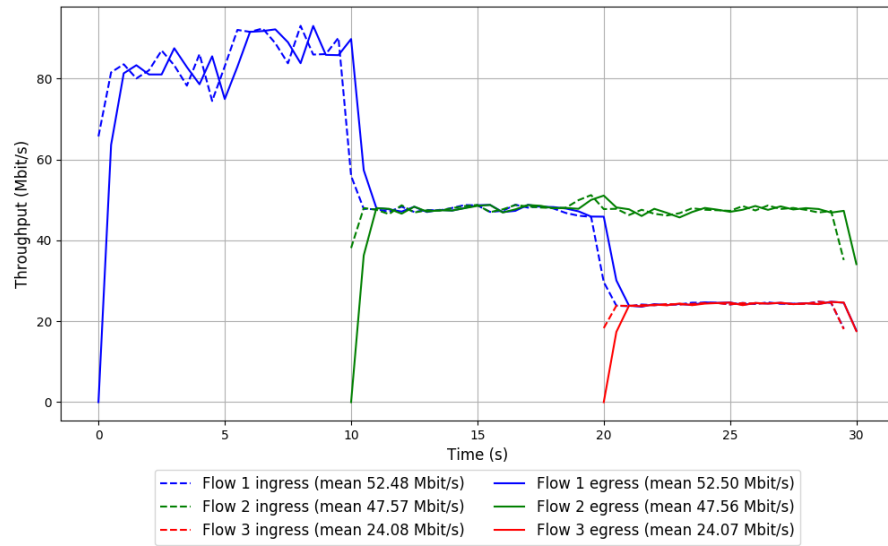


Run 5: Statistics of Indigo

Start at: 2018-06-30 15:44:04
End at: 2018-06-30 15:44:34
Local clock offset: -3.41 ms
Remote clock offset: -2.679 ms

Below is generated by plot.py at 2018-06-30 17:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.01 Mbit/s
95th percentile per-packet one-way delay: 20.621 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 52.50 Mbit/s
95th percentile per-packet one-way delay: 19.836 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 47.56 Mbit/s
95th percentile per-packet one-way delay: 20.790 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 24.07 Mbit/s
95th percentile per-packet one-way delay: 23.218 ms
Loss rate: 0.30%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-30 16:05:18

End at: 2018-06-30 16:05:48

Local clock offset: 1.666 ms

Remote clock offset: 0.941 ms

Below is generated by plot.py at 2018-06-30 17:44:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.79 Mbit/s

95th percentile per-packet one-way delay: 26.042 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 51.22 Mbit/s

95th percentile per-packet one-way delay: 25.010 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 36.00 Mbit/s

95th percentile per-packet one-way delay: 28.910 ms

Loss rate: 0.12%

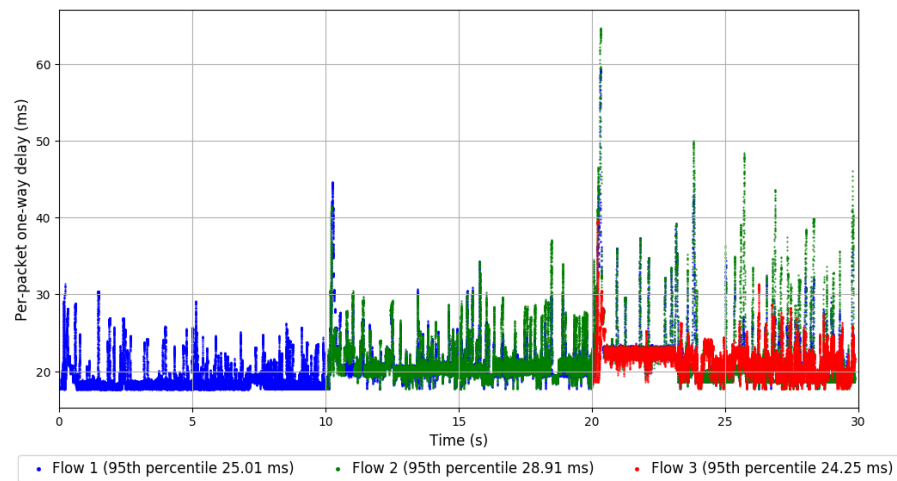
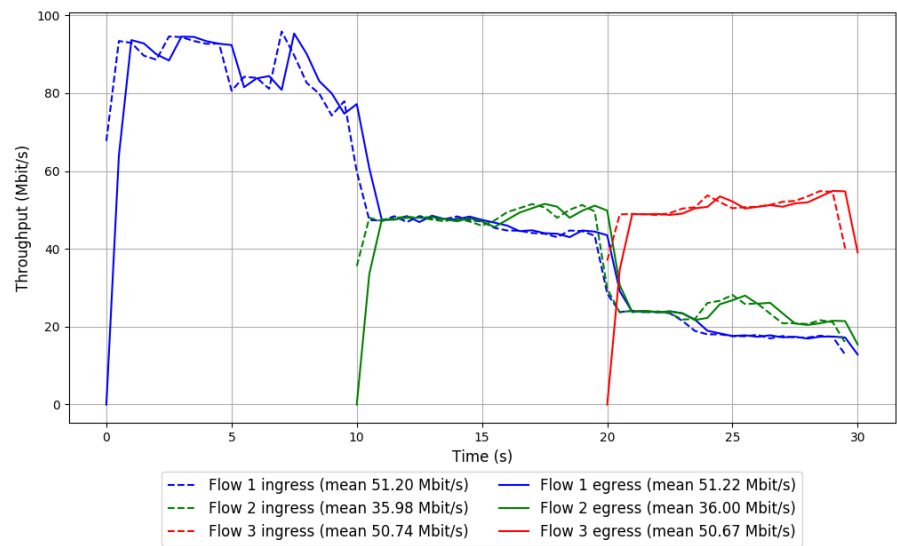
-- Flow 3:

Average throughput: 50.67 Mbit/s

95th percentile per-packet one-way delay: 24.247 ms

Loss rate: 0.39%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-30 16:25:38

End at: 2018-06-30 16:26:08

Local clock offset: 1.156 ms

Remote clock offset: 1.2 ms

Below is generated by plot.py at 2018-06-30 17:45:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.09 Mbit/s

95th percentile per-packet one-way delay: 25.081 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 60.62 Mbit/s

95th percentile per-packet one-way delay: 23.364 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 35.37 Mbit/s

95th percentile per-packet one-way delay: 26.027 ms

Loss rate: 0.10%

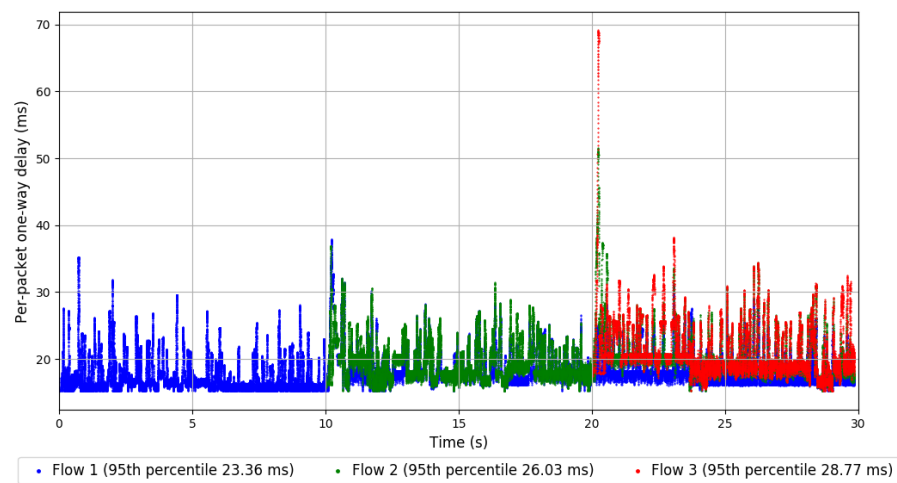
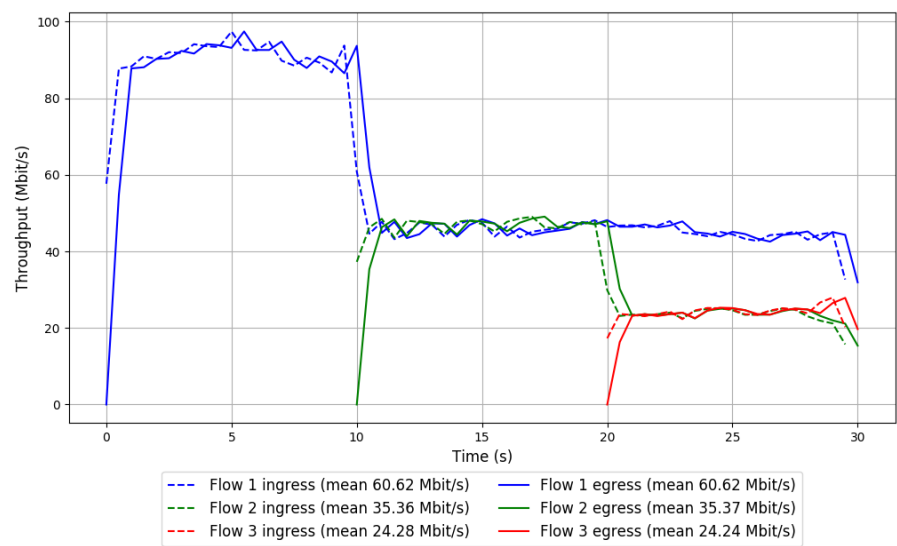
-- Flow 3:

Average throughput: 24.24 Mbit/s

95th percentile per-packet one-way delay: 28.772 ms

Loss rate: 0.40%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-30 16:45:42

End at: 2018-06-30 16:46:12

Local clock offset: 0.711 ms

Remote clock offset: 1.391 ms

Below is generated by plot.py at 2018-06-30 17:45:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.15 Mbit/s

95th percentile per-packet one-way delay: 24.414 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 51.61 Mbit/s

95th percentile per-packet one-way delay: 24.656 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 40.89 Mbit/s

95th percentile per-packet one-way delay: 24.720 ms

Loss rate: 0.12%

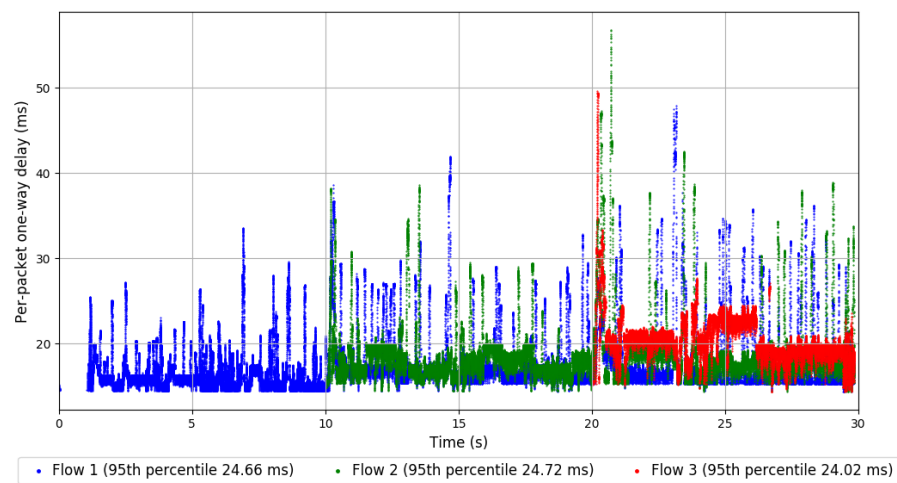
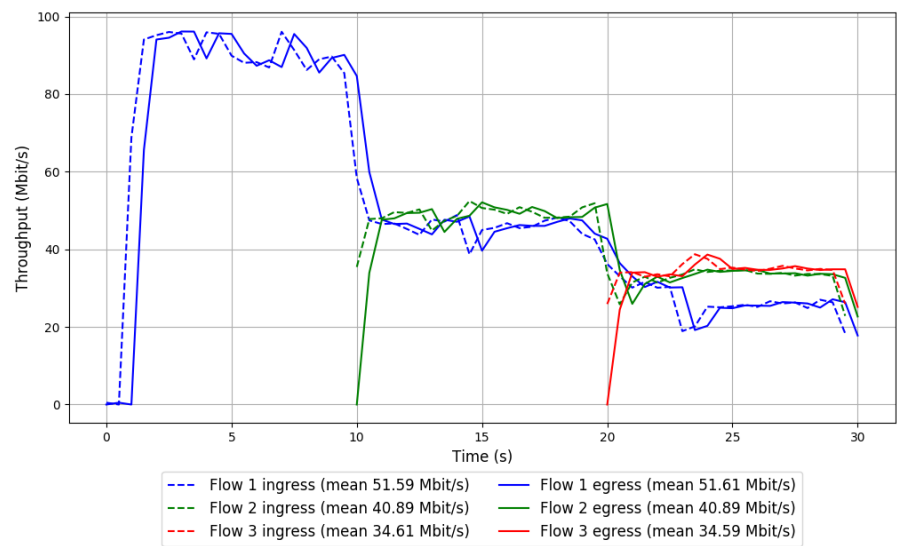
-- Flow 3:

Average throughput: 34.59 Mbit/s

95th percentile per-packet one-way delay: 24.017 ms

Loss rate: 0.31%

Run 8: Report of Indigo — Data Link

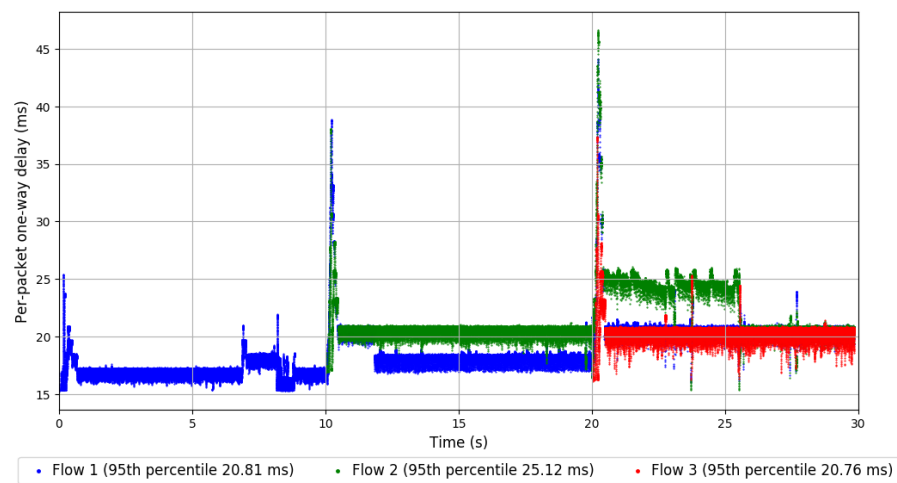
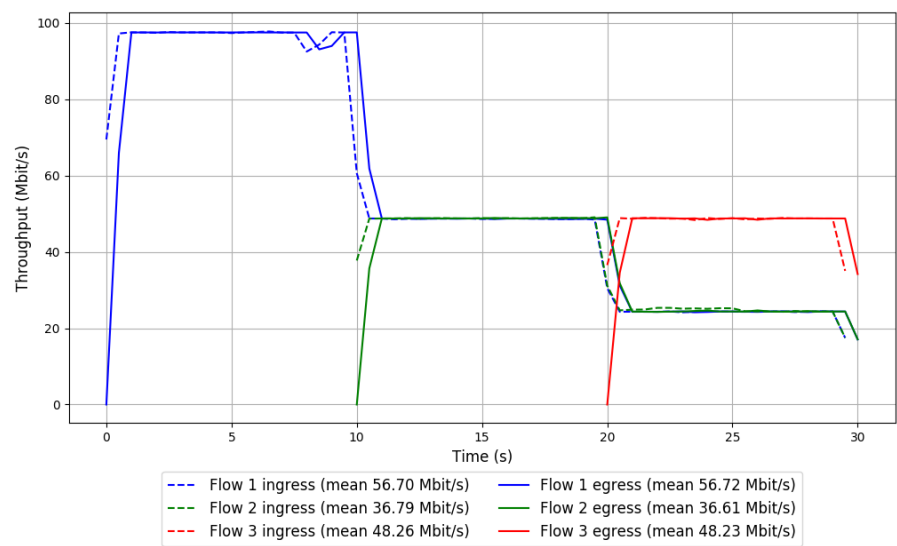


Run 9: Statistics of Indigo

Start at: 2018-06-30 17:05:28
End at: 2018-06-30 17:05:58
Local clock offset: 0.361 ms
Remote clock offset: -1.959 ms

Below is generated by plot.py at 2018-06-30 17:45:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 24.017 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 56.72 Mbit/s
95th percentile per-packet one-way delay: 20.807 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.61 Mbit/s
95th percentile per-packet one-way delay: 25.123 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 48.23 Mbit/s
95th percentile per-packet one-way delay: 20.757 ms
Loss rate: 0.30%

Run 9: Report of Indigo — Data Link

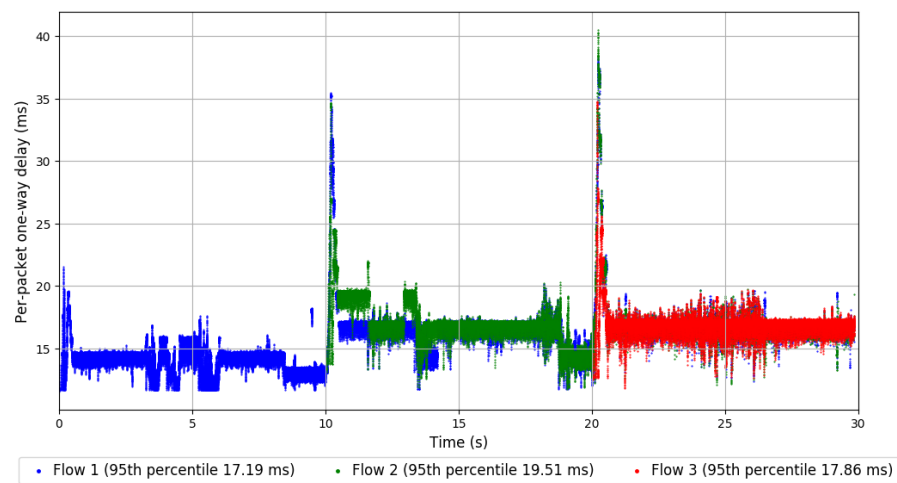
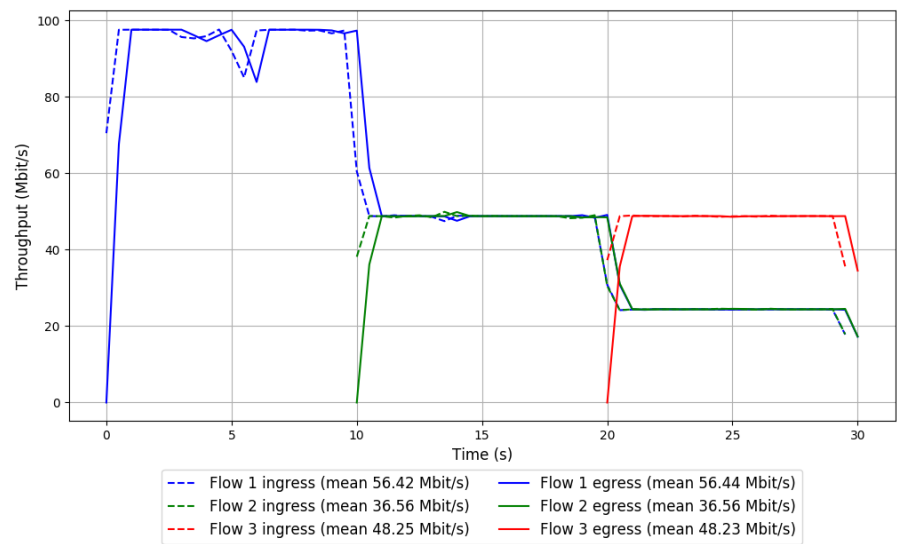


Run 10: Statistics of Indigo

Start at: 2018-06-30 17:25:37
End at: 2018-06-30 17:26:07
Local clock offset: -4.126 ms
Remote clock offset: -1.997 ms

Below is generated by plot.py at 2018-06-30 17:45:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 18.830 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.44 Mbit/s
95th percentile per-packet one-way delay: 17.186 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.56 Mbit/s
95th percentile per-packet one-way delay: 19.511 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 48.23 Mbit/s
95th percentile per-packet one-way delay: 17.855 ms
Loss rate: 0.30%

Run 10: Report of Indigo — Data Link

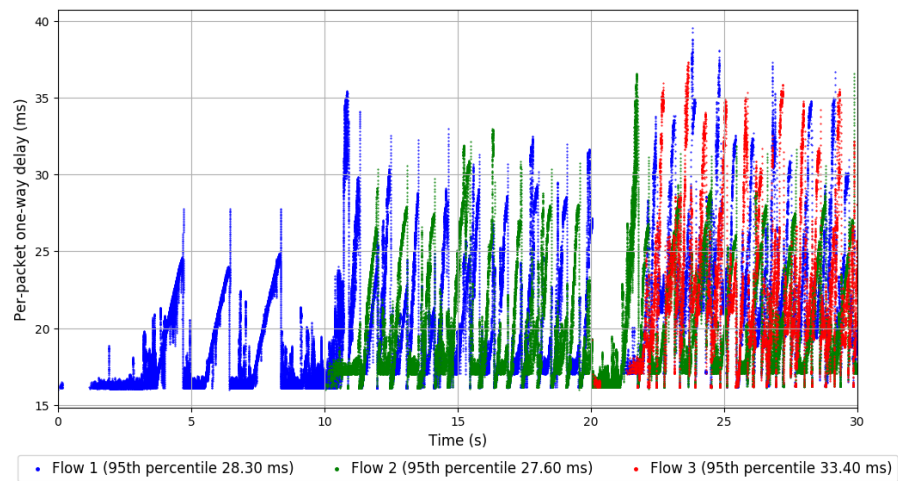
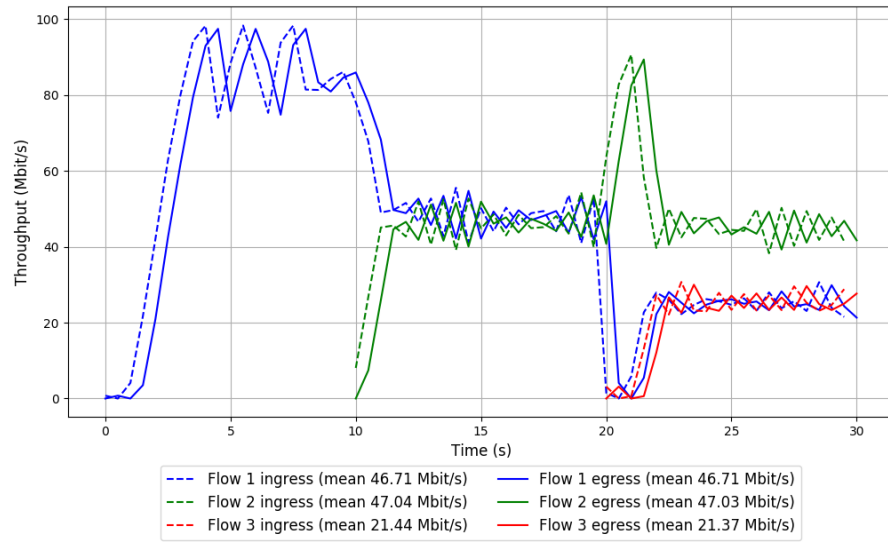


Run 1: Statistics of LEDBAT

Start at: 2018-06-30 14:16:13
End at: 2018-06-30 14:16:43
Local clock offset: 0.623 ms
Remote clock offset: -2.311 ms

Below is generated by plot.py at 2018-06-30 17:45:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.11 Mbit/s
95th percentile per-packet one-way delay: 28.427 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 46.71 Mbit/s
95th percentile per-packet one-way delay: 28.300 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 47.03 Mbit/s
95th percentile per-packet one-way delay: 27.597 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 21.37 Mbit/s
95th percentile per-packet one-way delay: 33.403 ms
Loss rate: 0.56%

Run 1: Report of LEDBAT — Data Link

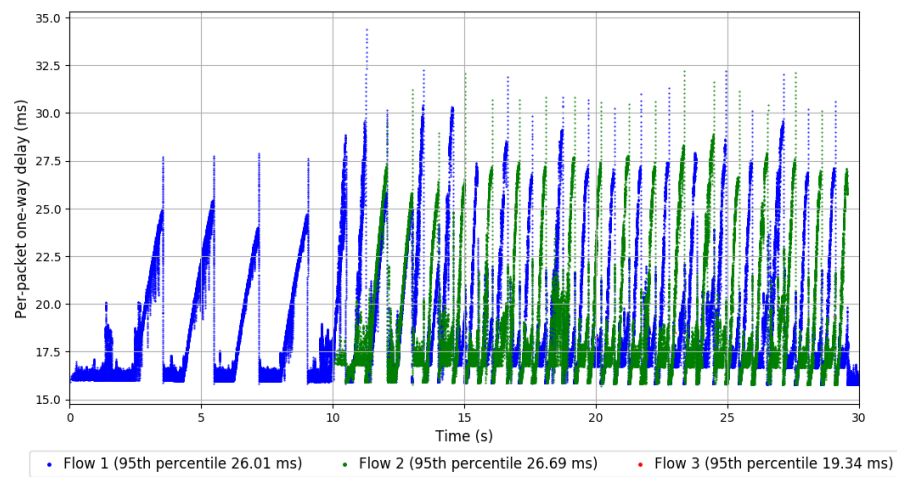
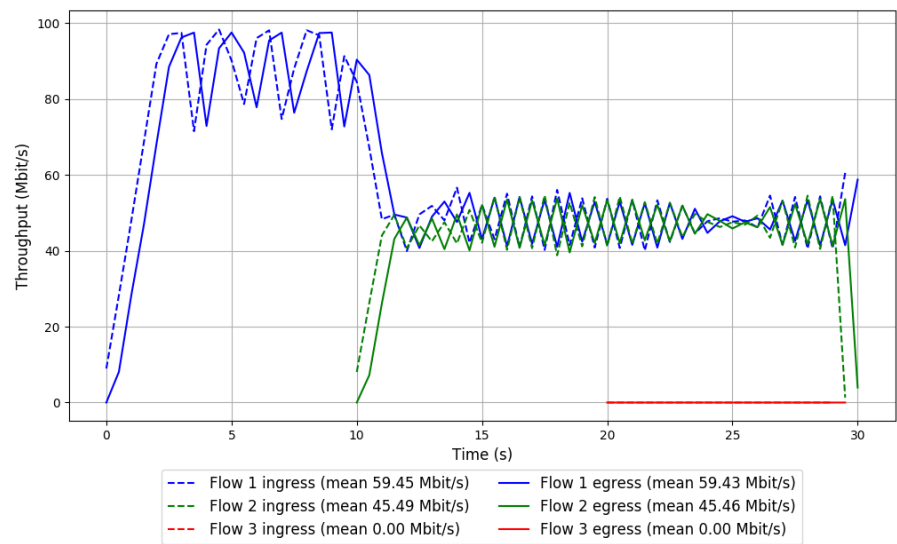


Run 2: Statistics of LEDBAT

Start at: 2018-06-30 14:36:45
End at: 2018-06-30 14:37:15
Local clock offset: 0.711 ms
Remote clock offset: -6.279 ms

Below is generated by plot.py at 2018-06-30 17:45:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.03 Mbit/s
95th percentile per-packet one-way delay: 26.395 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 59.43 Mbit/s
95th percentile per-packet one-way delay: 26.006 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 45.46 Mbit/s
95th percentile per-packet one-way delay: 26.694 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 19.339 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

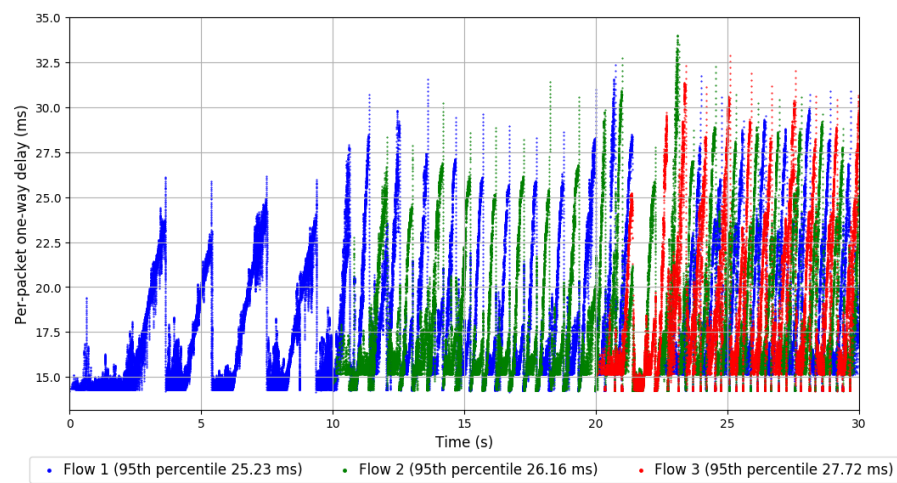
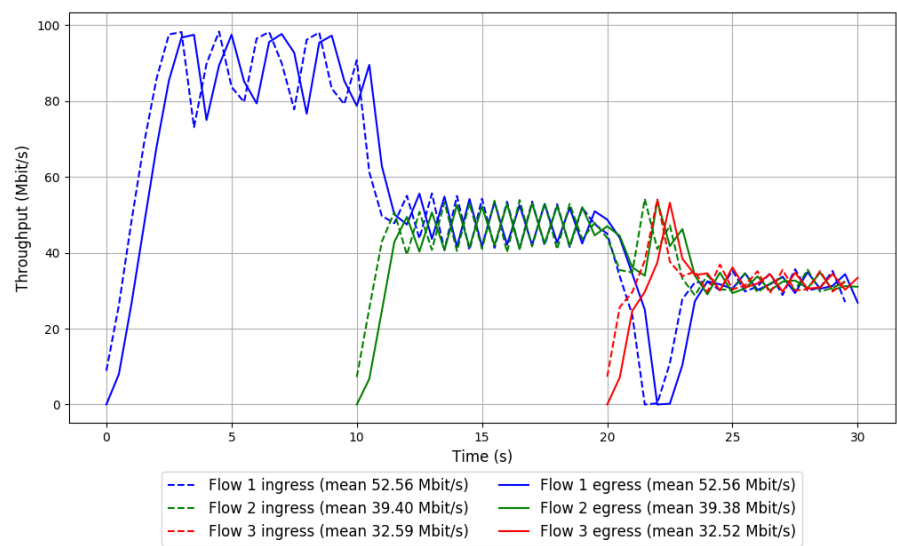


Run 3: Statistics of LEDBAT

Start at: 2018-06-30 14:57:04
End at: 2018-06-30 14:57:34
Local clock offset: -1.231 ms
Remote clock offset: -11.644 ms

Below is generated by plot.py at 2018-06-30 17:45:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.58 Mbit/s
95th percentile per-packet one-way delay: 25.881 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 52.56 Mbit/s
95th percentile per-packet one-way delay: 25.231 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 39.38 Mbit/s
95th percentile per-packet one-way delay: 26.164 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 32.52 Mbit/s
95th percentile per-packet one-way delay: 27.719 ms
Loss rate: 0.09%

Run 3: Report of LEDBAT — Data Link

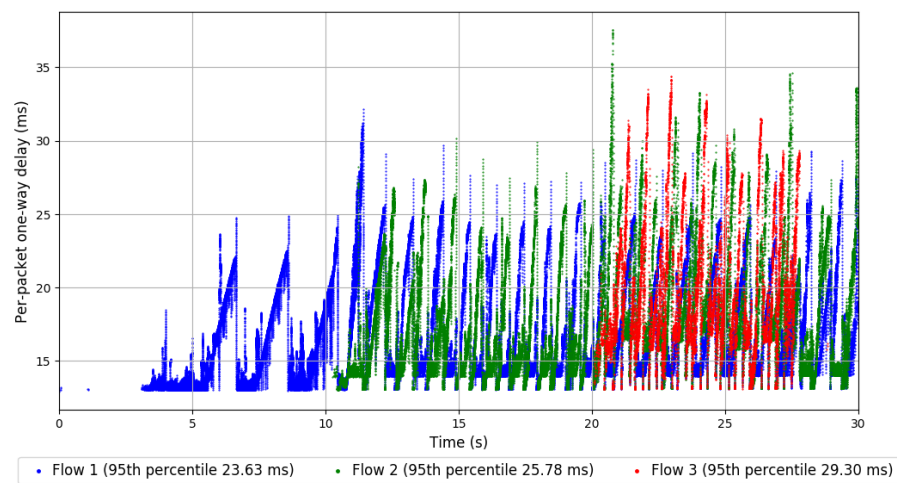
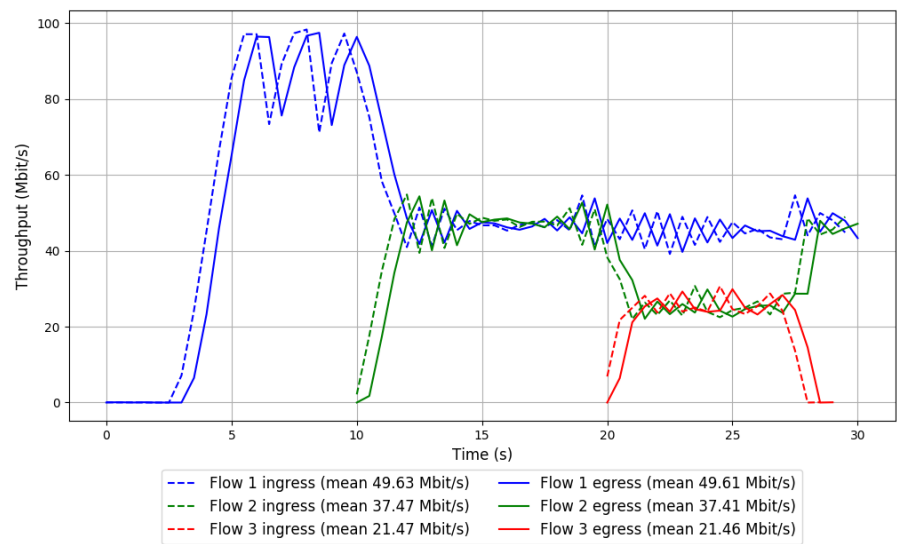


Run 4: Statistics of LEDBAT

Start at: 2018-06-30 15:17:28
End at: 2018-06-30 15:17:58
Local clock offset: -1.892 ms
Remote clock offset: -7.277 ms

Below is generated by plot.py at 2018-06-30 17:45:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.54 Mbit/s
95th percentile per-packet one-way delay: 24.735 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 49.61 Mbit/s
95th percentile per-packet one-way delay: 23.627 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 37.41 Mbit/s
95th percentile per-packet one-way delay: 25.776 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 21.46 Mbit/s
95th percentile per-packet one-way delay: 29.298 ms
Loss rate: 0.06%

Run 4: Report of LEDBAT — Data Link

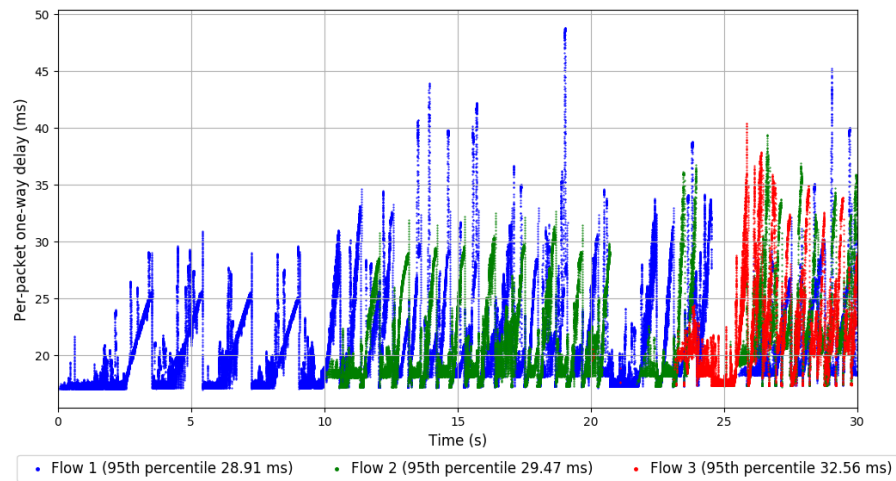
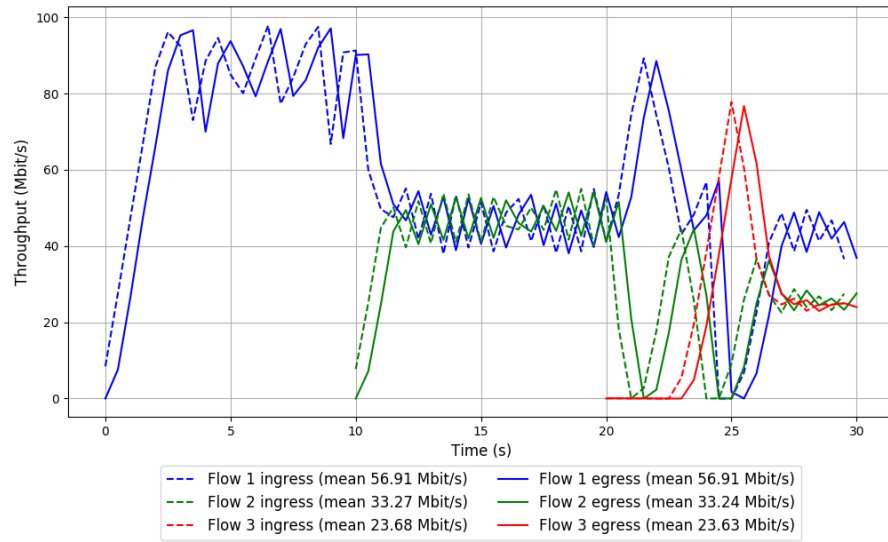


Run 5: Statistics of LEDBAT

Start at: 2018-06-30 15:37:52
End at: 2018-06-30 15:38:22
Local clock offset: -0.175 ms
Remote clock offset: -6.404 ms

Below is generated by plot.py at 2018-06-30 17:46:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 29.362 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.91 Mbit/s
95th percentile per-packet one-way delay: 28.909 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 33.24 Mbit/s
95th percentile per-packet one-way delay: 29.472 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 23.63 Mbit/s
95th percentile per-packet one-way delay: 32.561 ms
Loss rate: 0.43%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-06-30 15:59:00

End at: 2018-06-30 15:59:30

Local clock offset: -0.45 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-06-30 17:46:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.21 Mbit/s

95th percentile per-packet one-way delay: 28.663 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 55.17 Mbit/s

95th percentile per-packet one-way delay: 27.613 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 34.01 Mbit/s

95th percentile per-packet one-way delay: 34.461 ms

Loss rate: 0.03%

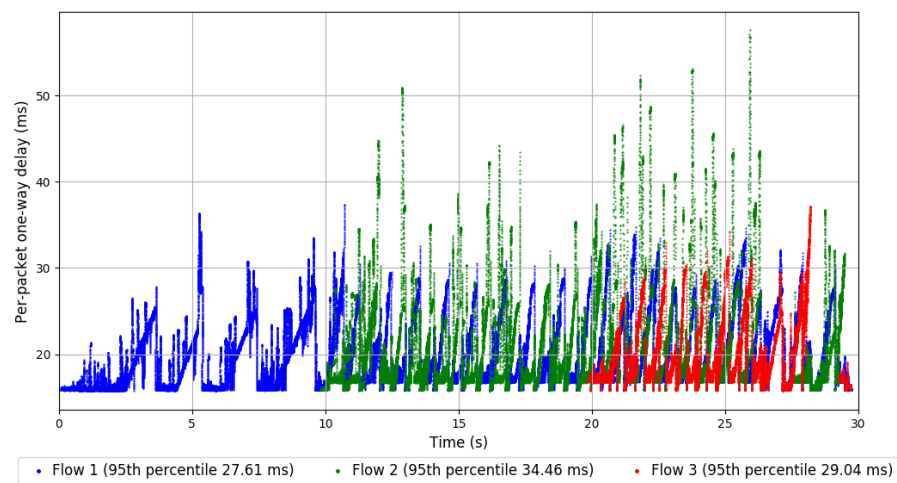
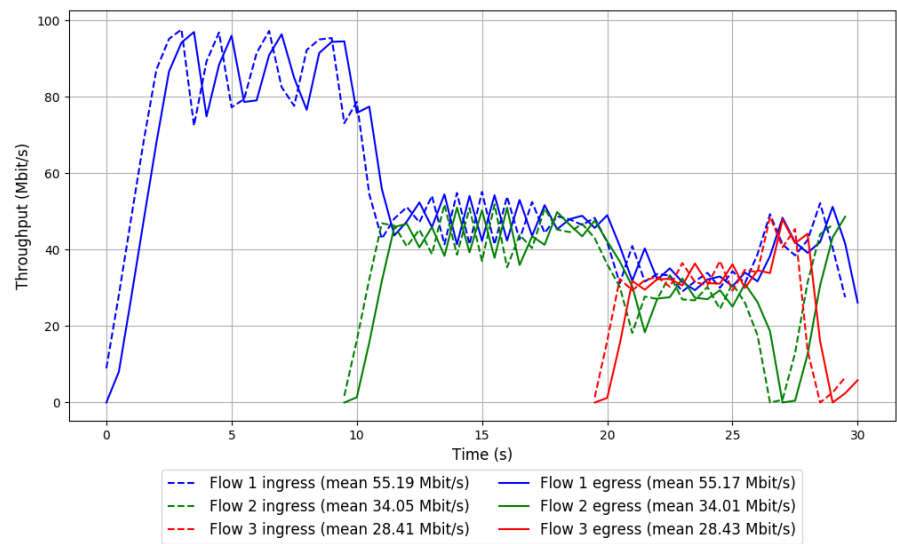
-- Flow 3:

Average throughput: 28.43 Mbit/s

95th percentile per-packet one-way delay: 29.037 ms

Loss rate: 0.19%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-06-30 16:19:33

End at: 2018-06-30 16:20:03

Local clock offset: 0.454 ms

Remote clock offset: 1.431 ms

Below is generated by plot.py at 2018-06-30 17:46:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 47.05 Mbit/s

95th percentile per-packet one-way delay: 26.052 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 14.872 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 70.66 Mbit/s

95th percentile per-packet one-way delay: 26.053 ms

Loss rate: 0.20%

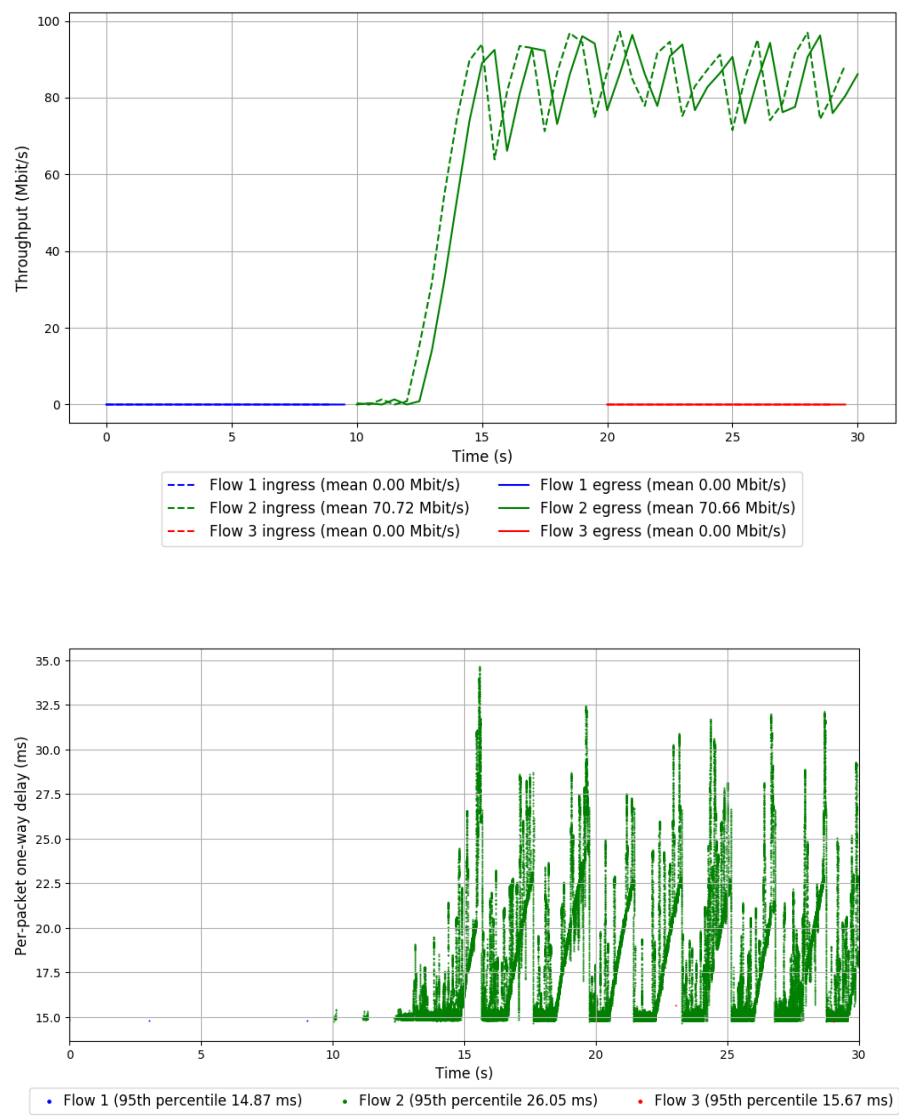
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 15.670 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-06-30 16:39:47

End at: 2018-06-30 16:40:17

Local clock offset: 2.626 ms

Remote clock offset: 1.971 ms

Below is generated by plot.py at 2018-06-30 17:46:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.11 Mbit/s

95th percentile per-packet one-way delay: 28.829 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 54.47 Mbit/s

95th percentile per-packet one-way delay: 27.626 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 34.86 Mbit/s

95th percentile per-packet one-way delay: 30.389 ms

Loss rate: 0.19%

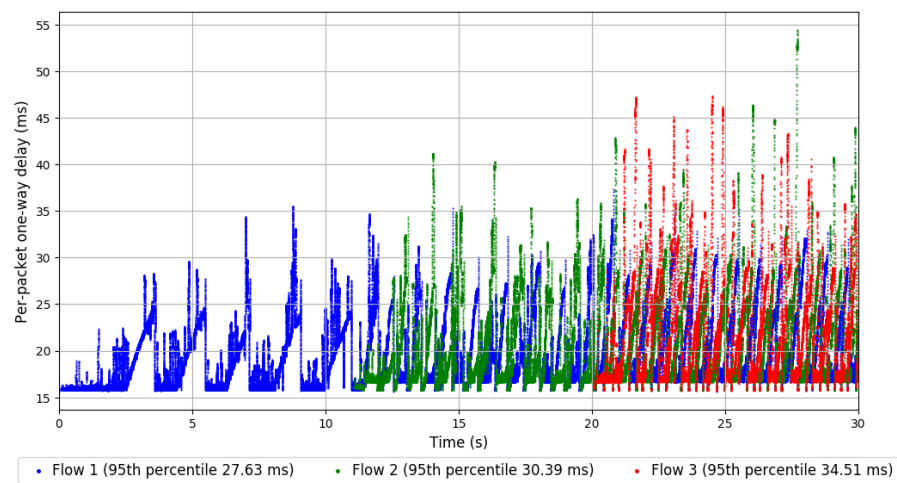
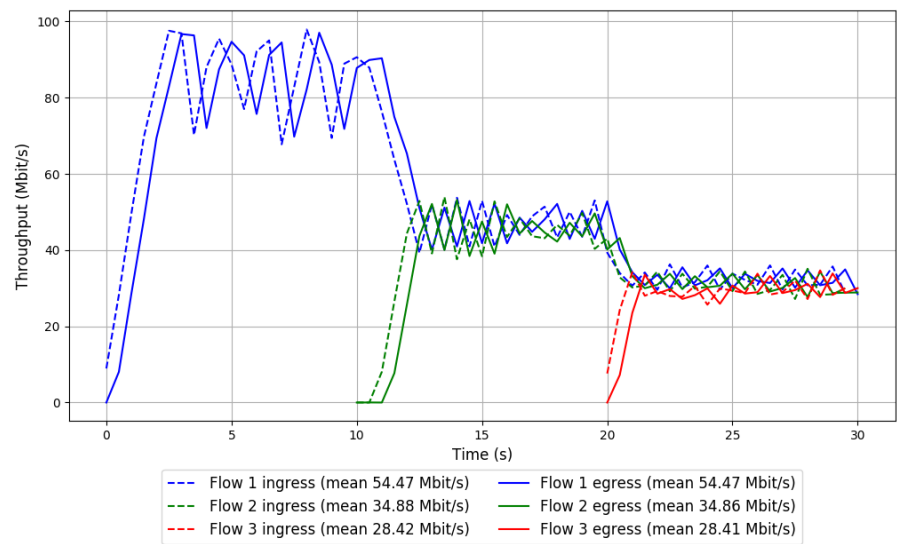
-- Flow 3:

Average throughput: 28.41 Mbit/s

95th percentile per-packet one-way delay: 34.510 ms

Loss rate: 0.29%

Run 8: Report of LEDBAT — Data Link

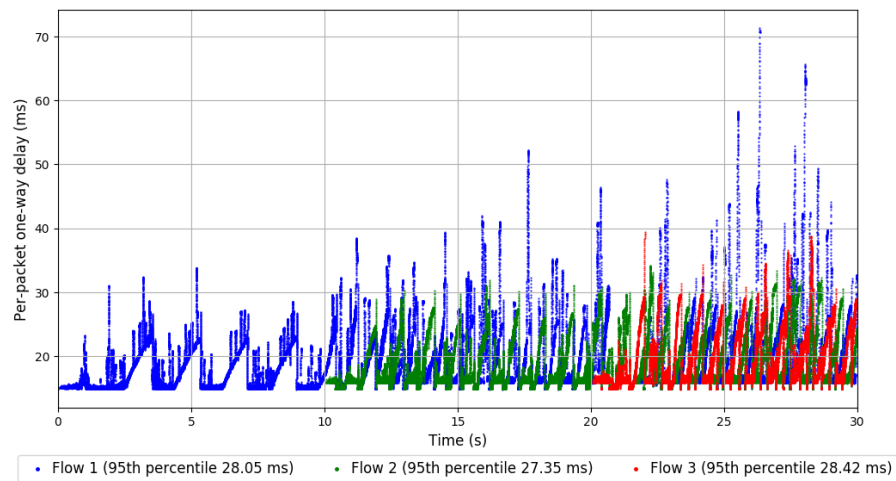
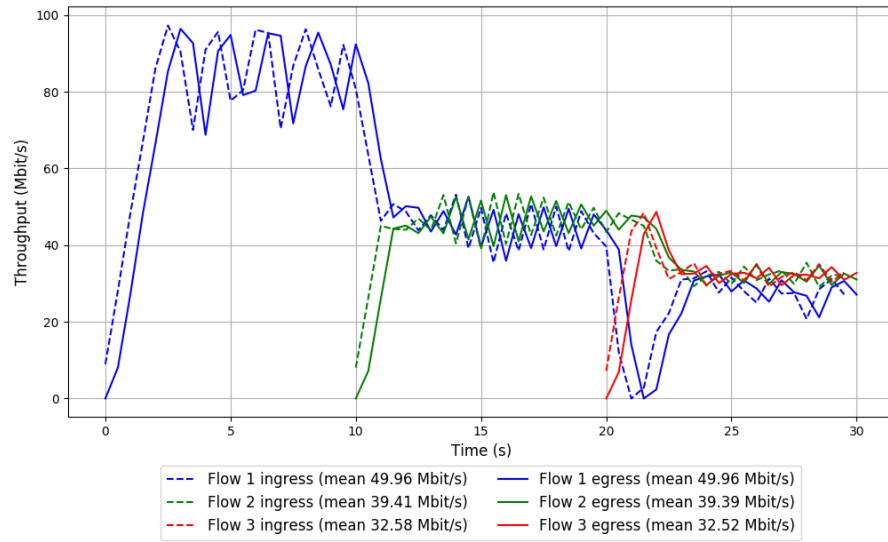


Run 9: Statistics of LEDBAT

Start at: 2018-06-30 16:59:35
End at: 2018-06-30 17:00:05
Local clock offset: 0.004 ms
Remote clock offset: -1.676 ms

Below is generated by plot.py at 2018-06-30 17:46:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 27.934 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 49.96 Mbit/s
95th percentile per-packet one-way delay: 28.052 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.39 Mbit/s
95th percentile per-packet one-way delay: 27.354 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 32.52 Mbit/s
95th percentile per-packet one-way delay: 28.419 ms
Loss rate: 0.25%

Run 9: Report of LEDBAT — Data Link

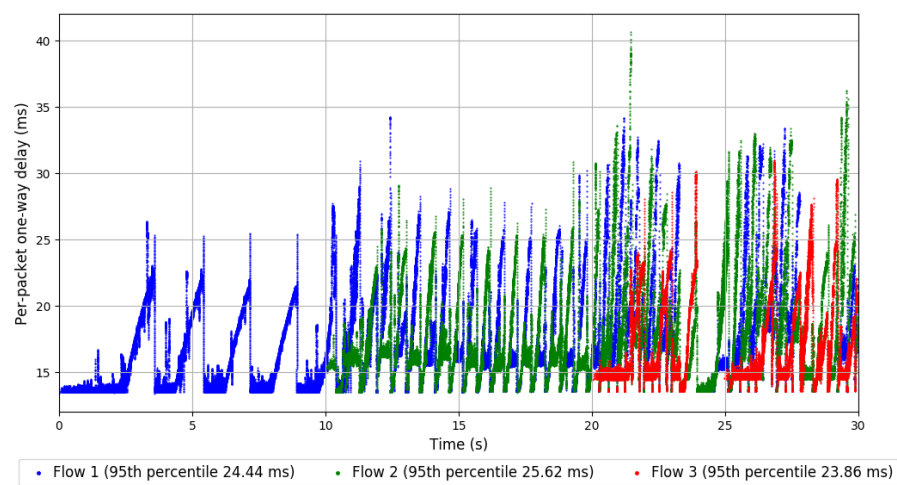
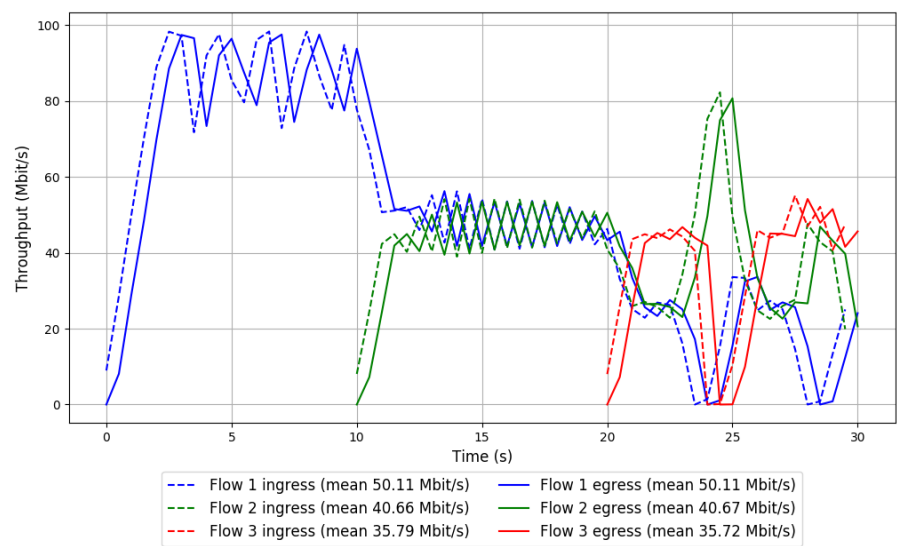


Run 10: Statistics of LEDBAT

Start at: 2018-06-30 17:19:33
End at: 2018-06-30 17:20:03
Local clock offset: -2.151 ms
Remote clock offset: -2.876 ms

Below is generated by plot.py at 2018-06-30 17:46:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.05 Mbit/s
95th percentile per-packet one-way delay: 24.755 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 50.11 Mbit/s
95th percentile per-packet one-way delay: 24.436 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.67 Mbit/s
95th percentile per-packet one-way delay: 25.617 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 35.72 Mbit/s
95th percentile per-packet one-way delay: 23.863 ms
Loss rate: 0.45%

Run 10: Report of LEDBAT — Data Link

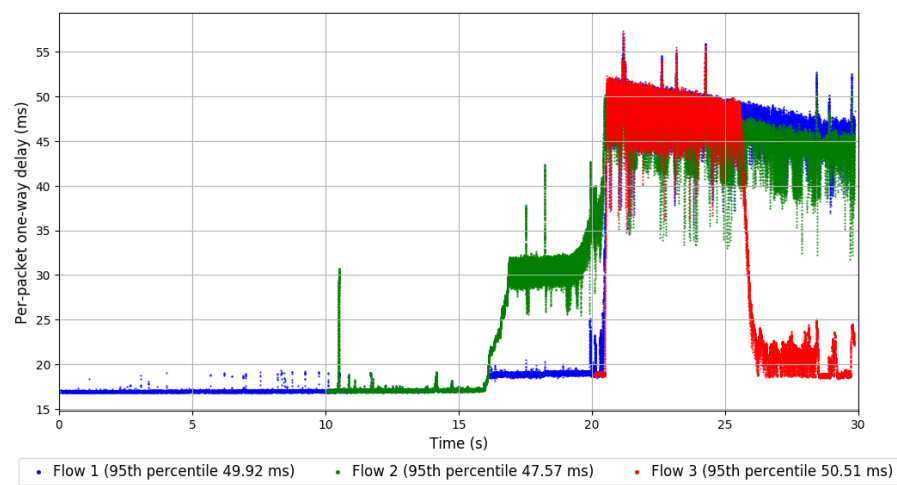
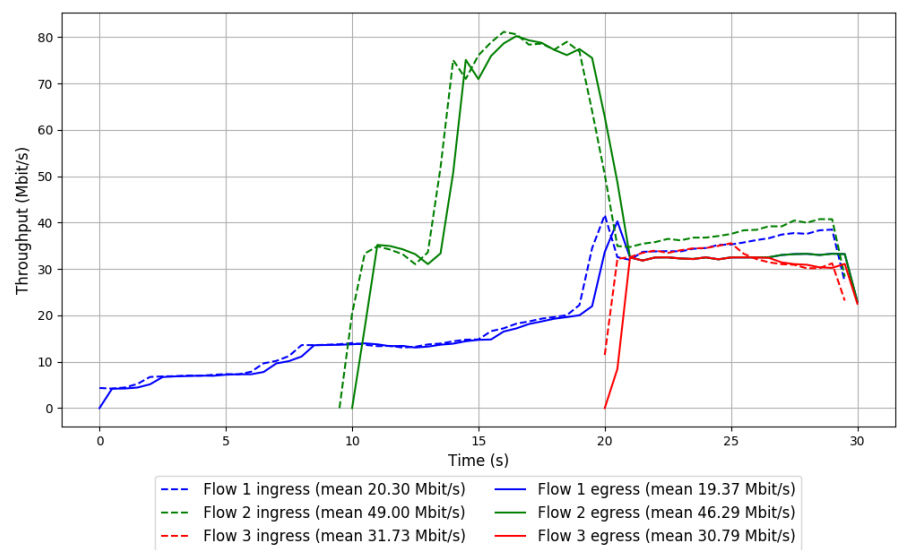


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-30 14:18:39
End at: 2018-06-30 14:19:09
Local clock offset: 1.804 ms
Remote clock offset: -1.456 ms

# Below is generated by plot.py at 2018-06-30 17:46:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.27 Mbit/s
95th percentile per-packet one-way delay: 49.428 ms
Loss rate: 4.95%
-- Flow 1:
Average throughput: 19.37 Mbit/s
95th percentile per-packet one-way delay: 49.919 ms
Loss rate: 4.72%
-- Flow 2:
Average throughput: 46.29 Mbit/s
95th percentile per-packet one-way delay: 47.568 ms
Loss rate: 5.65%
-- Flow 3:
Average throughput: 30.79 Mbit/s
95th percentile per-packet one-way delay: 50.509 ms
Loss rate: 3.21%
```

Run 1: Report of PCC-Allegro — Data Link

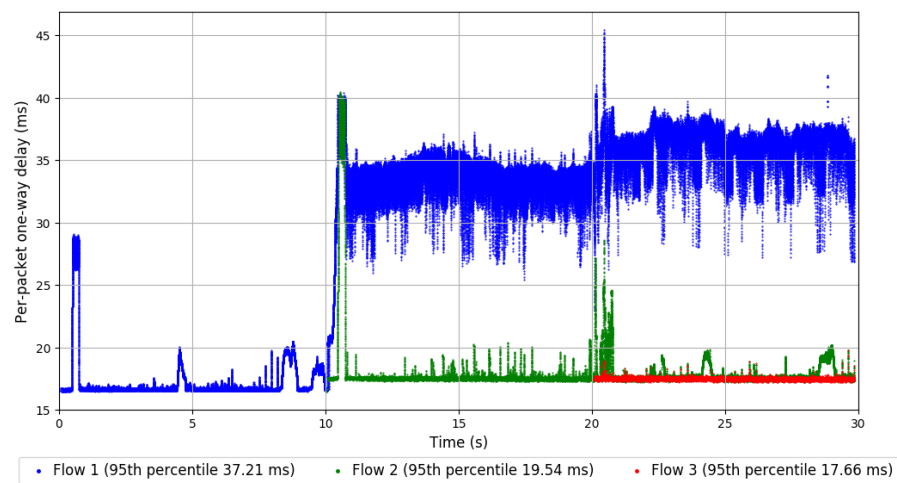
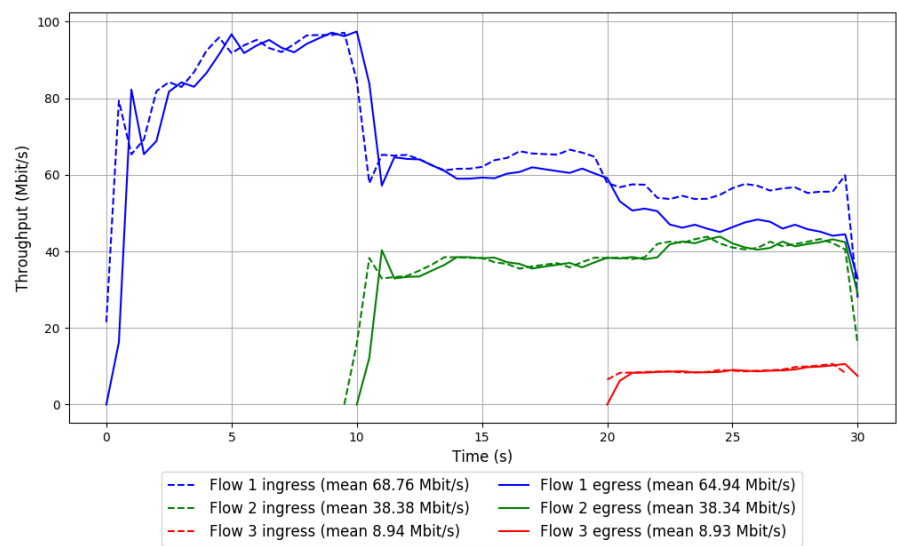


Run 2: Statistics of PCC-Allegro

Start at: 2018-06-30 14:39:13
End at: 2018-06-30 14:39:43
Local clock offset: 0.456 ms
Remote clock offset: -8.299 ms

Below is generated by plot.py at 2018-06-30 17:46:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 36.941 ms
Loss rate: 5.24%
-- Flow 1:
Average throughput: 64.94 Mbit/s
95th percentile per-packet one-way delay: 37.207 ms
Loss rate: 6.69%
-- Flow 2:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 19.535 ms
Loss rate: 1.89%
-- Flow 3:
Average throughput: 8.93 Mbit/s
95th percentile per-packet one-way delay: 17.657 ms
Loss rate: 0.69%

Run 2: Report of PCC-Allegro — Data Link

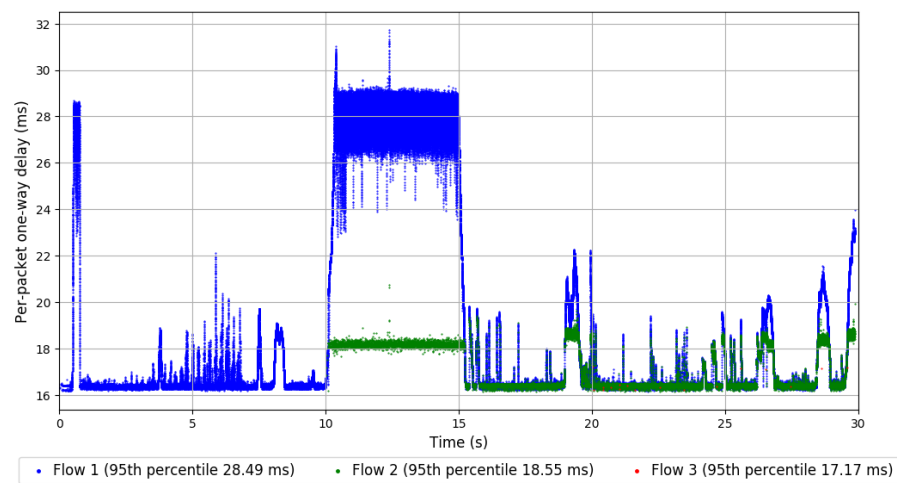
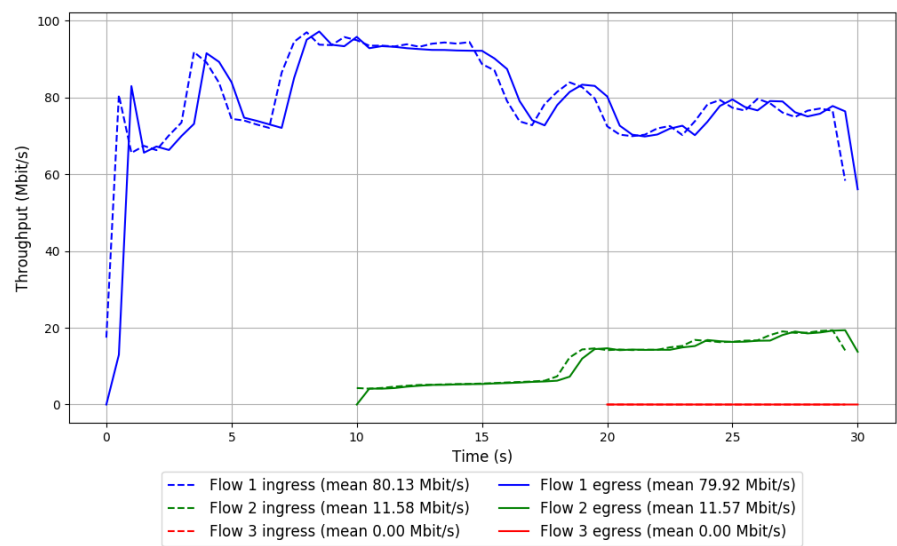


Run 3: Statistics of PCC-Allegro

Start at: 2018-06-30 14:59:28
End at: 2018-06-30 14:59:58
Local clock offset: 0.837 ms
Remote clock offset: -11.897 ms

Below is generated by plot.py at 2018-06-30 17:47:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.61 Mbit/s
95th percentile per-packet one-way delay: 28.439 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 79.92 Mbit/s
95th percentile per-packet one-way delay: 28.492 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 18.551 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 17.173 ms
Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link

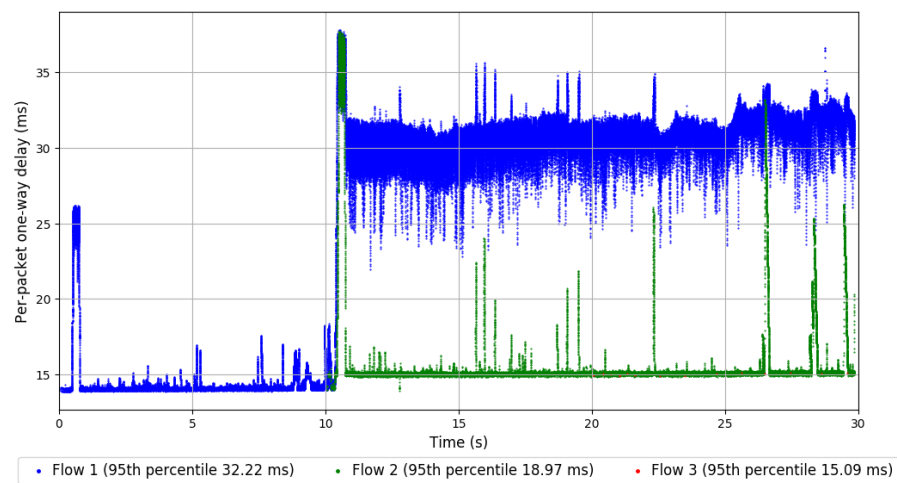
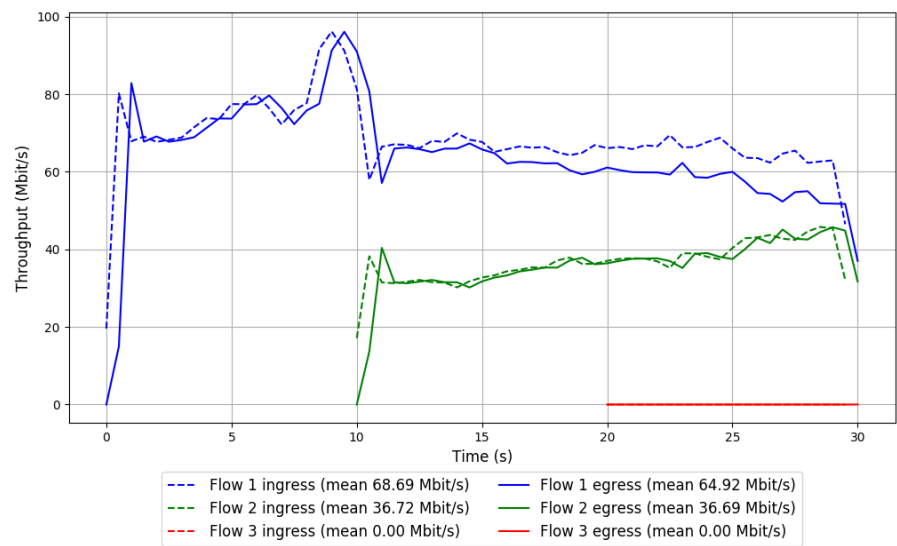


Run 4: Statistics of PCC-Allegro

Start at: 2018-06-30 15:19:47
End at: 2018-06-30 15:20:17
Local clock offset: -1.586 ms
Remote clock offset: -7.428 ms

Below is generated by plot.py at 2018-06-30 17:47:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.31 Mbit/s
95th percentile per-packet one-way delay: 32.039 ms
Loss rate: 4.18%
-- Flow 1:
Average throughput: 64.92 Mbit/s
95th percentile per-packet one-way delay: 32.215 ms
Loss rate: 5.60%
-- Flow 2:
Average throughput: 36.69 Mbit/s
95th percentile per-packet one-way delay: 18.971 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 15.089 ms
Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-30 15:40:19

End at: 2018-06-30 15:40:49

Local clock offset: 1.274 ms

Remote clock offset: -4.69 ms

Below is generated by plot.py at 2018-06-30 17:47:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.46 Mbit/s

95th percentile per-packet one-way delay: 19.883 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 21.94 Mbit/s

95th percentile per-packet one-way delay: 21.864 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 37.39 Mbit/s

95th percentile per-packet one-way delay: 19.494 ms

Loss rate: 0.15%

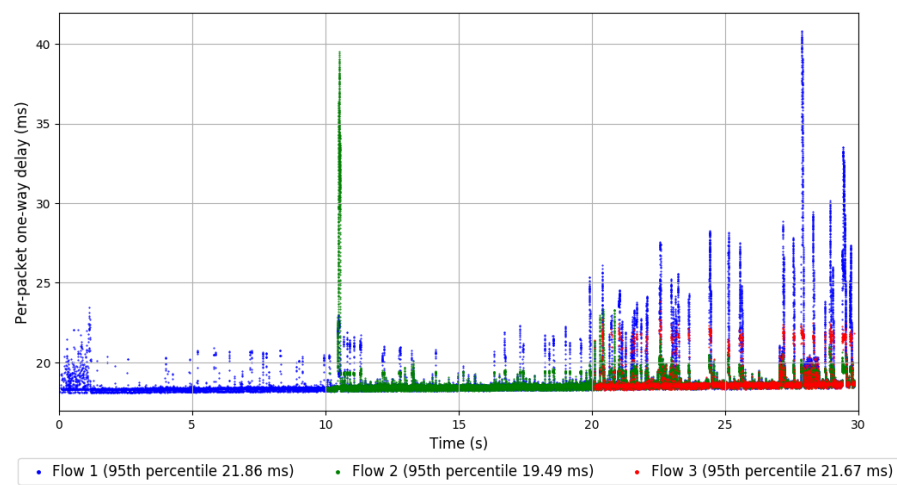
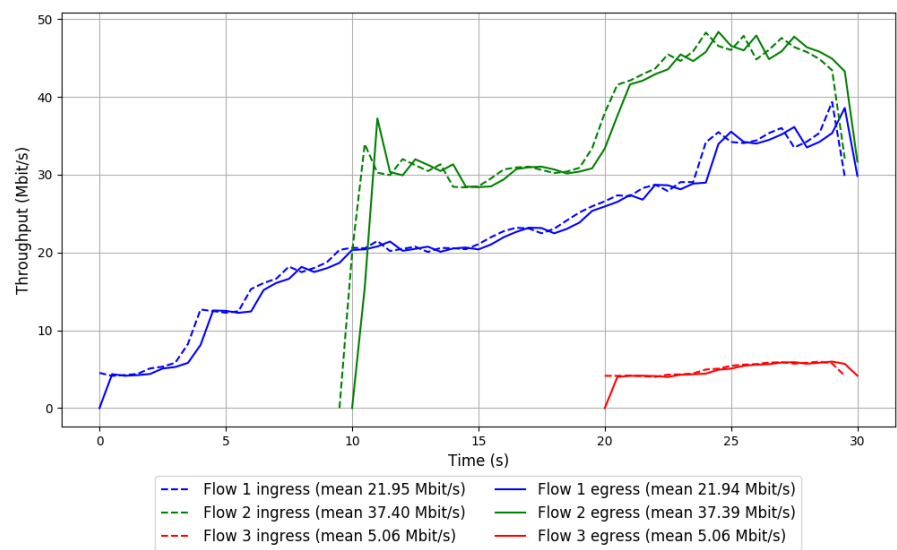
-- Flow 3:

Average throughput: 5.06 Mbit/s

95th percentile per-packet one-way delay: 21.667 ms

Loss rate: 0.27%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-30 16:01:36

End at: 2018-06-30 16:02:06

Local clock offset: 1.783 ms

Remote clock offset: 0.773 ms

Below is generated by plot.py at 2018-06-30 17:47:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.70 Mbit/s

95th percentile per-packet one-way delay: 18.449 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 19.83 Mbit/s

95th percentile per-packet one-way delay: 18.442 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 2.82 Mbit/s

95th percentile per-packet one-way delay: 18.498 ms

Loss rate: 0.27%

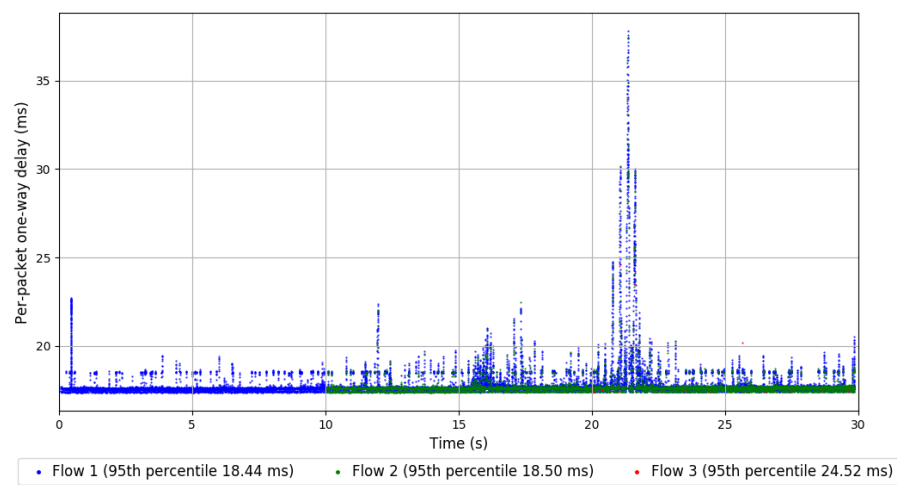
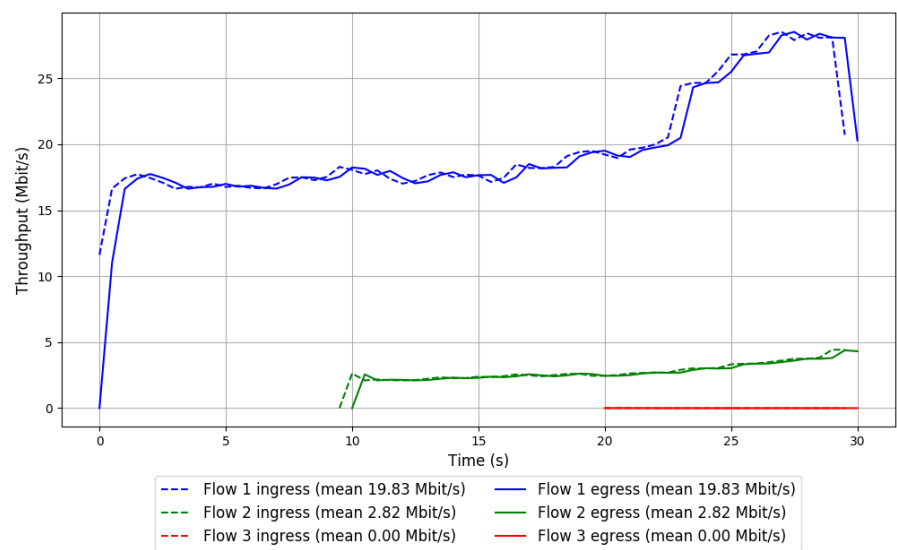
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 24.523 ms

Loss rate: 0.00%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-30 16:21:57

End at: 2018-06-30 16:22:27

Local clock offset: 2.72 ms

Remote clock offset: 1.187 ms

Below is generated by plot.py at 2018-06-30 17:47:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 29.77 Mbit/s

95th percentile per-packet one-way delay: 18.107 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 11.64 Mbit/s

95th percentile per-packet one-way delay: 18.034 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 17.26 Mbit/s

95th percentile per-packet one-way delay: 18.019 ms

Loss rate: 0.15%

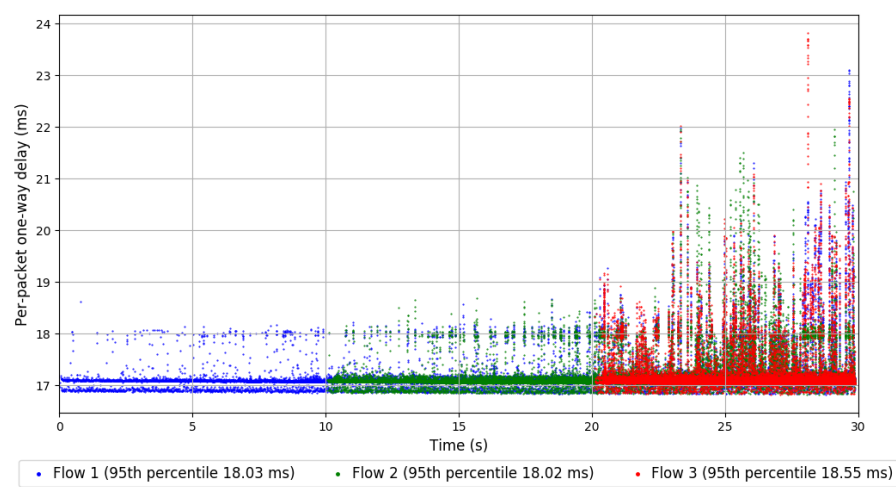
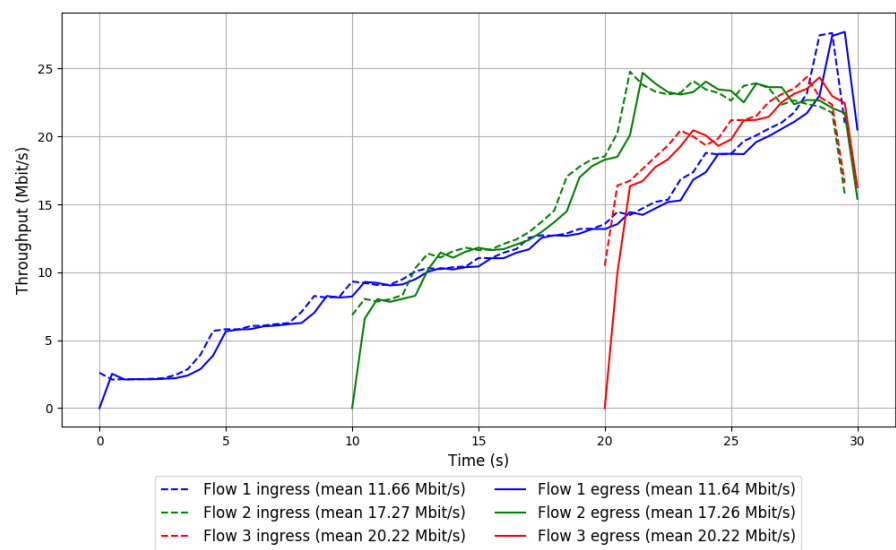
-- Flow 3:

Average throughput: 20.22 Mbit/s

95th percentile per-packet one-way delay: 18.555 ms

Loss rate: 0.26%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-30 16:42:11

End at: 2018-06-30 16:42:41

Local clock offset: 2.58 ms

Remote clock offset: 1.189 ms

Below is generated by plot.py at 2018-06-30 17:47:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.04 Mbit/s

95th percentile per-packet one-way delay: 43.533 ms

Loss rate: 5.42%

-- Flow 1:

Average throughput: 53.46 Mbit/s

95th percentile per-packet one-way delay: 42.169 ms

Loss rate: 6.73%

-- Flow 2:

Average throughput: 38.93 Mbit/s

95th percentile per-packet one-way delay: 44.850 ms

Loss rate: 3.70%

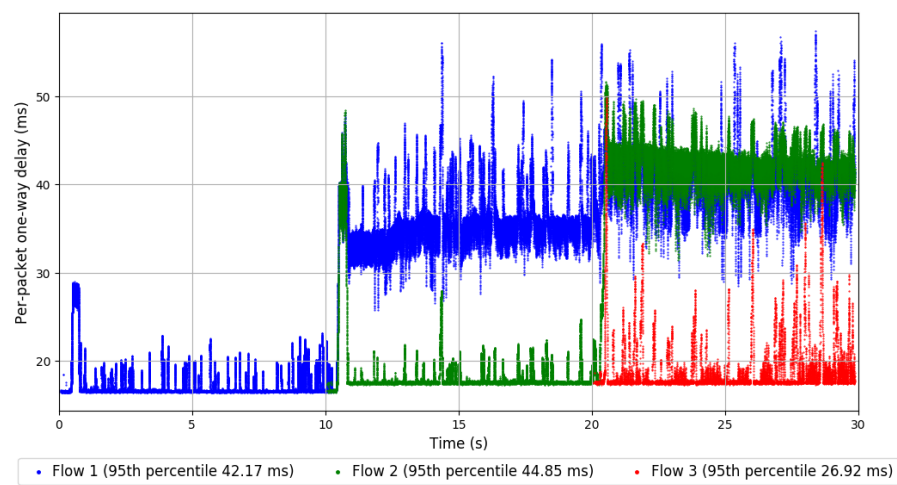
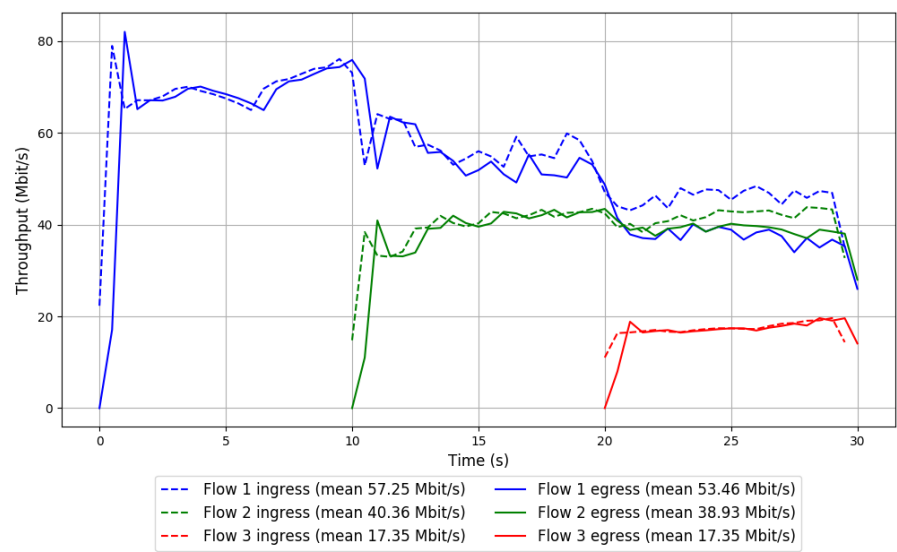
-- Flow 3:

Average throughput: 17.35 Mbit/s

95th percentile per-packet one-way delay: 26.923 ms

Loss rate: 0.29%

Run 8: Report of PCC-Allegro — Data Link

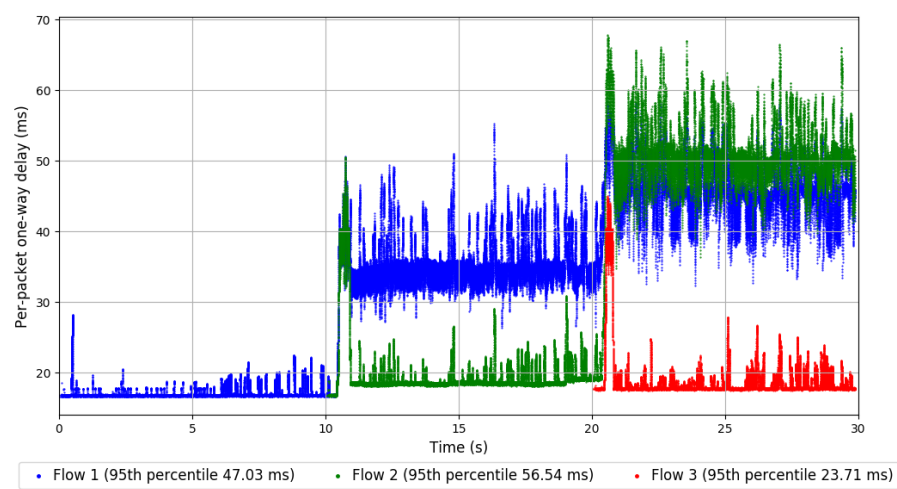
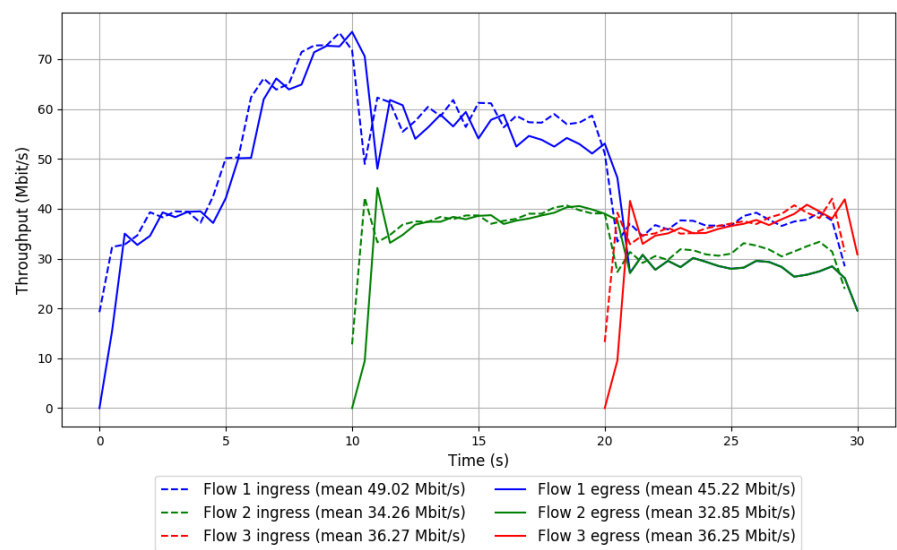


Run 9: Statistics of PCC-Allegro

Start at: 2018-06-30 17:01:56
End at: 2018-06-30 17:02:26
Local clock offset: 1.306 ms
Remote clock offset: -2.432 ms

Below is generated by plot.py at 2018-06-30 17:47:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.98 Mbit/s
95th percentile per-packet one-way delay: 51.262 ms
Loss rate: 5.79%
-- Flow 1:
Average throughput: 45.22 Mbit/s
95th percentile per-packet one-way delay: 47.035 ms
Loss rate: 7.84%
-- Flow 2:
Average throughput: 32.85 Mbit/s
95th percentile per-packet one-way delay: 56.539 ms
Loss rate: 4.26%
-- Flow 3:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 23.708 ms
Loss rate: 0.30%

Run 9: Report of PCC-Allegro — Data Link

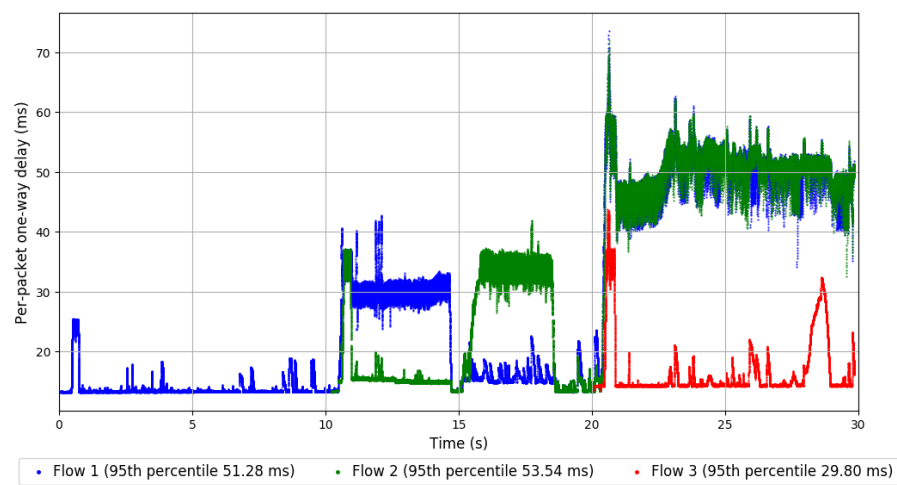
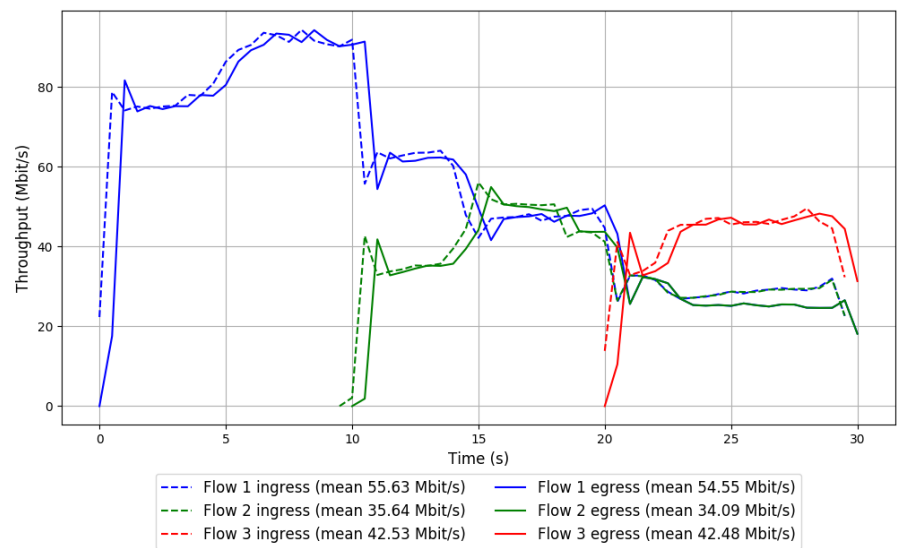


Run 10: Statistics of PCC-Allegro

Start at: 2018-06-30 17:21:56
End at: 2018-06-30 17:22:26
Local clock offset: -2.547 ms
Remote clock offset: -2.653 ms

Below is generated by plot.py at 2018-06-30 17:47:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.19 Mbit/s
95th percentile per-packet one-way delay: 51.823 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 54.55 Mbit/s
95th percentile per-packet one-way delay: 51.283 ms
Loss rate: 2.05%
-- Flow 2:
Average throughput: 34.09 Mbit/s
95th percentile per-packet one-way delay: 53.544 ms
Loss rate: 4.48%
-- Flow 3:
Average throughput: 42.48 Mbit/s
95th percentile per-packet one-way delay: 29.797 ms
Loss rate: 0.34%

Run 10: Report of PCC-Allegro — Data Link

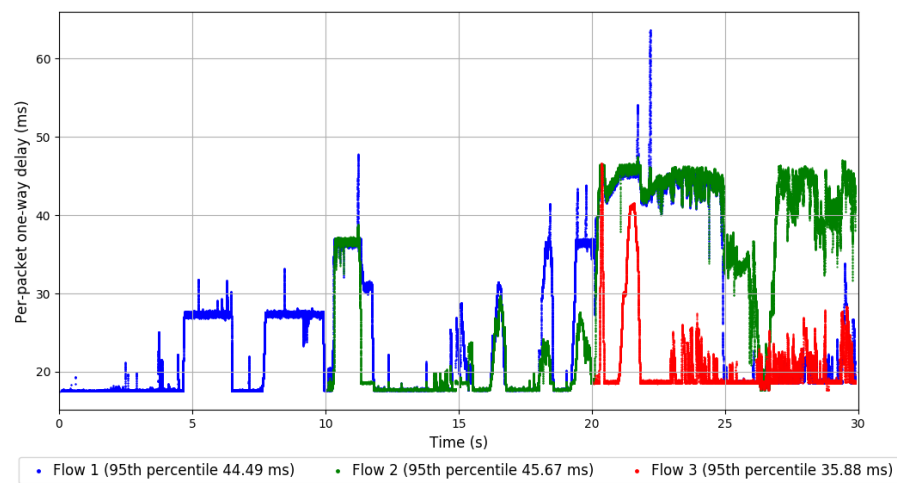
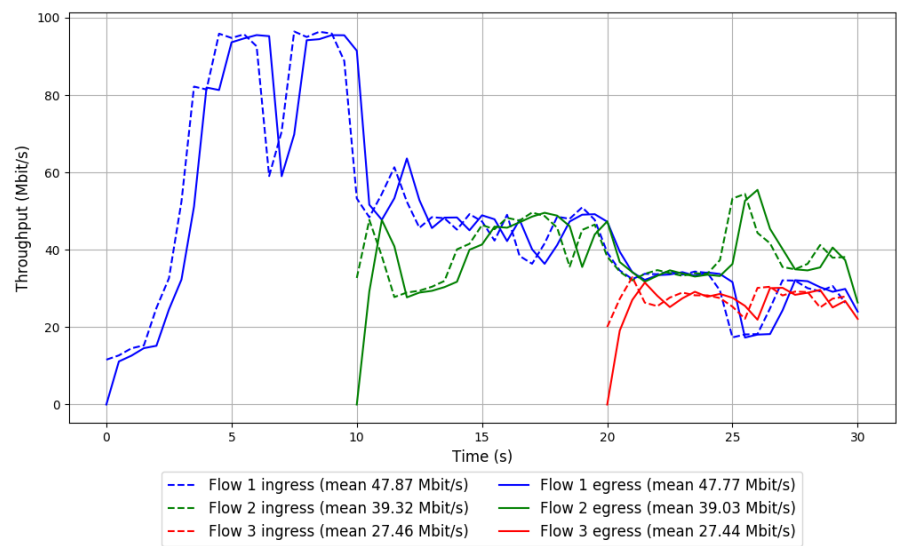


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-30 14:11:31
End at: 2018-06-30 14:12:01
Local clock offset: 3.599 ms
Remote clock offset: -2.071 ms

# Below is generated by plot.py at 2018-06-30 17:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.77 Mbit/s
95th percentile per-packet one-way delay: 45.081 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 47.77 Mbit/s
95th percentile per-packet one-way delay: 44.488 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 39.03 Mbit/s
95th percentile per-packet one-way delay: 45.673 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 27.44 Mbit/s
95th percentile per-packet one-way delay: 35.877 ms
Loss rate: 1.33%
```

Run 1: Report of PCC-Expr — Data Link

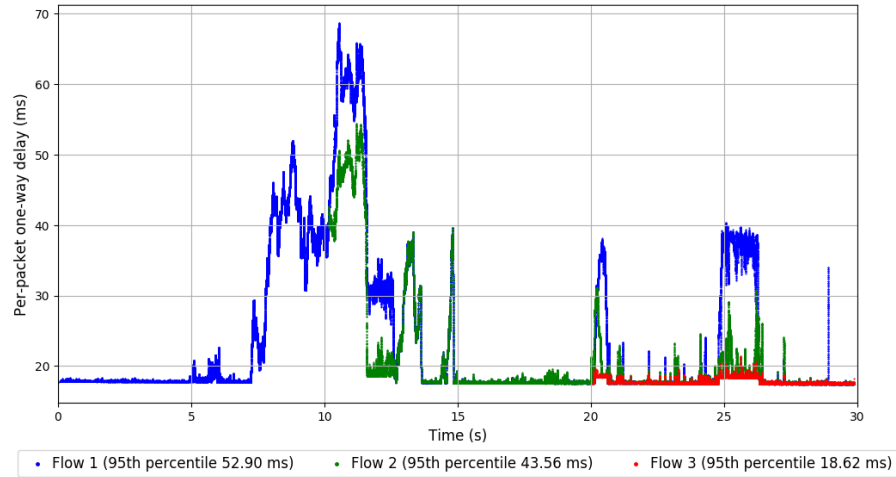
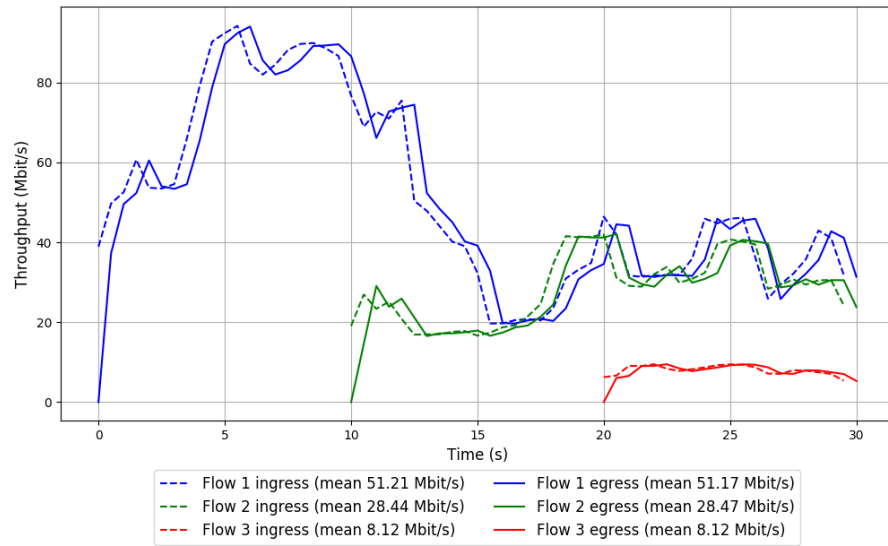


```
Run 2: Statistics of PCC-Expr

Start at: 2018-06-30 14:31:58
End at: 2018-06-30 14:32:28
Local clock offset: 2.945 ms
Remote clock offset: -2.626 ms

# Below is generated by plot.py at 2018-06-30 17:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.75 Mbit/s
95th percentile per-packet one-way delay: 48.521 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 51.17 Mbit/s
95th percentile per-packet one-way delay: 52.903 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 28.47 Mbit/s
95th percentile per-packet one-way delay: 43.564 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 8.12 Mbit/s
95th percentile per-packet one-way delay: 18.618 ms
Loss rate: 0.21%
```

Run 2: Report of PCC-Expr — Data Link

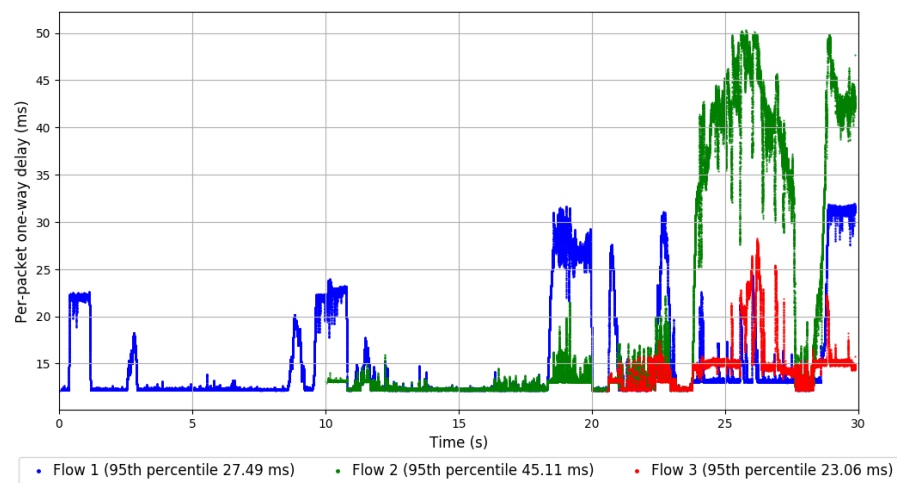
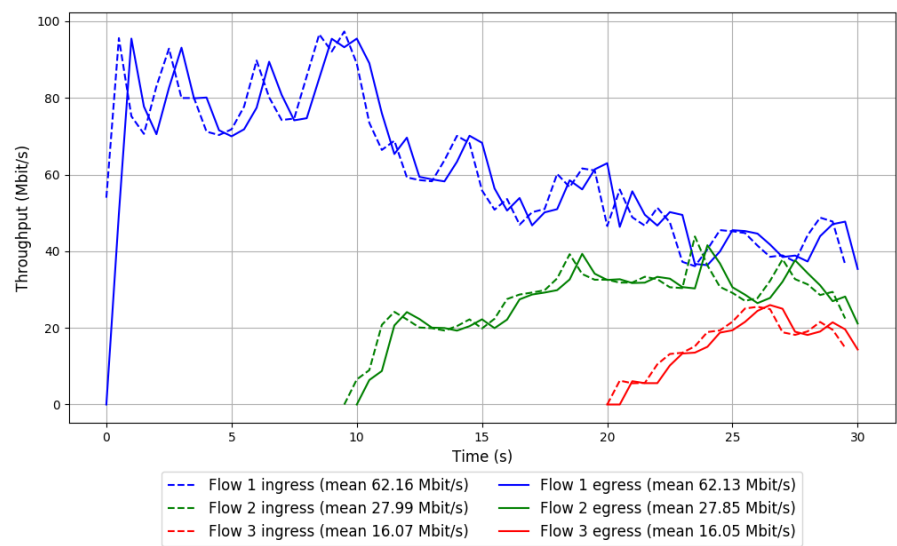


Run 3: Statistics of PCC-Expr

Start at: 2018-06-30 14:52:20
End at: 2018-06-30 14:52:50
Local clock offset: -2.385 ms
Remote clock offset: -10.073 ms

Below is generated by plot.py at 2018-06-30 17:49:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.94 Mbit/s
95th percentile per-packet one-way delay: 34.530 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 62.13 Mbit/s
95th percentile per-packet one-way delay: 27.490 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 27.85 Mbit/s
95th percentile per-packet one-way delay: 45.109 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 16.05 Mbit/s
95th percentile per-packet one-way delay: 23.063 ms
Loss rate: 0.34%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-06-30 15:12:39

End at: 2018-06-30 15:13:09

Local clock offset: -0.498 ms

Remote clock offset: -9.37 ms

Below is generated by plot.py at 2018-06-30 17:49:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.04 Mbit/s

95th percentile per-packet one-way delay: 39.934 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 39.69 Mbit/s

95th percentile per-packet one-way delay: 36.848 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 25.81 Mbit/s

95th percentile per-packet one-way delay: 40.500 ms

Loss rate: 1.20%

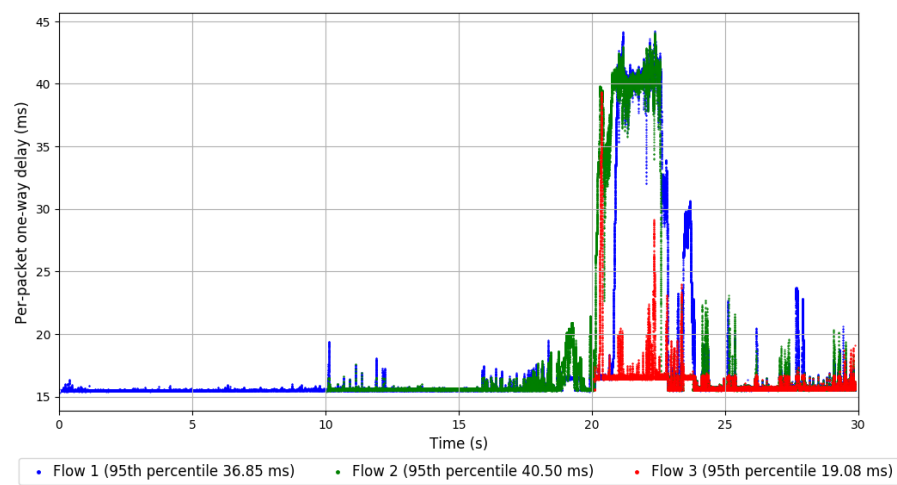
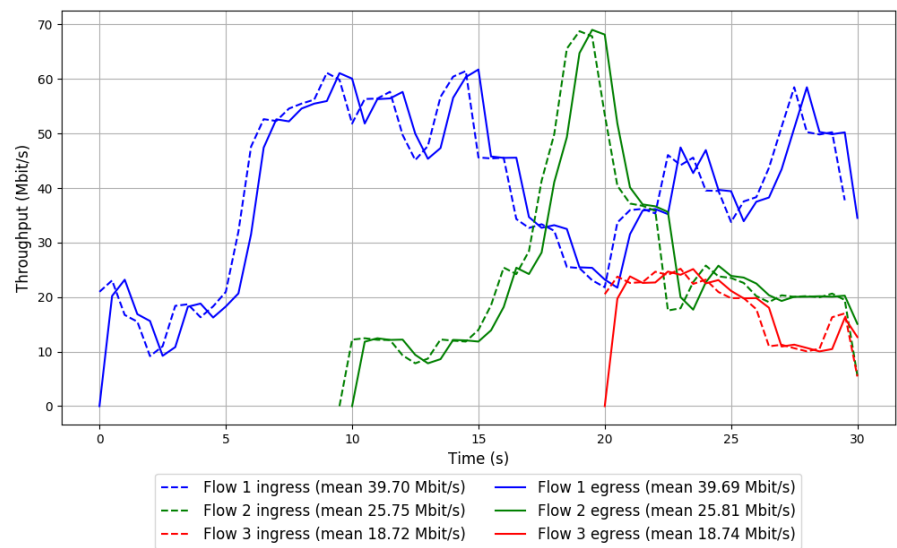
-- Flow 3:

Average throughput: 18.74 Mbit/s

95th percentile per-packet one-way delay: 19.076 ms

Loss rate: 2.71%

Run 4: Report of PCC-Expr — Data Link

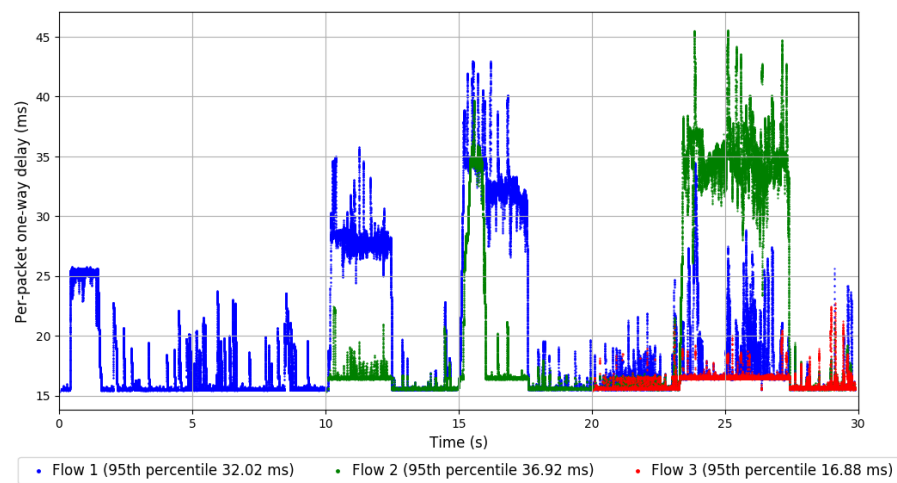
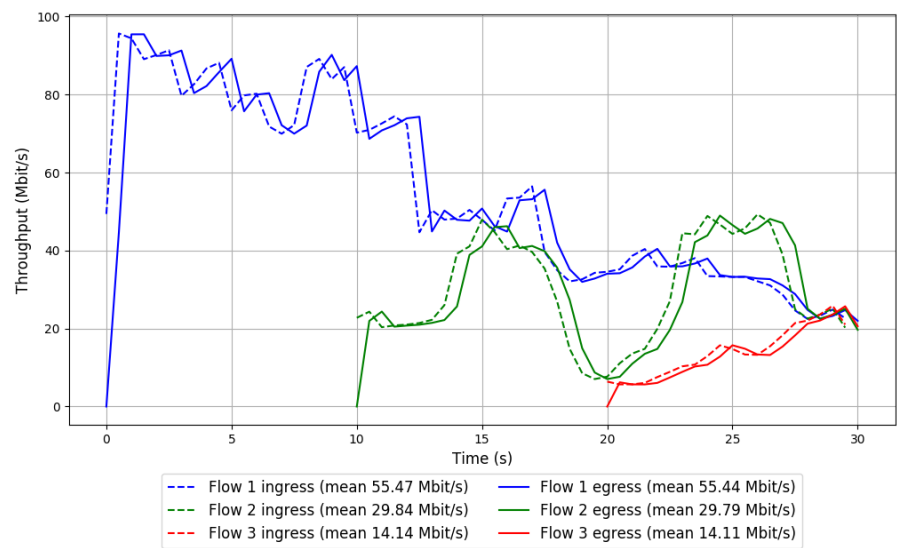


Run 5: Statistics of PCC-Expr

Start at: 2018-06-30 15:33:02
End at: 2018-06-30 15:33:32
Local clock offset: -1.16 ms
Remote clock offset: -6.758 ms

Below is generated by plot.py at 2018-06-30 17:49:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.90 Mbit/s
95th percentile per-packet one-way delay: 34.676 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 55.44 Mbit/s
95th percentile per-packet one-way delay: 32.019 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 29.79 Mbit/s
95th percentile per-packet one-way delay: 36.918 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 14.11 Mbit/s
95th percentile per-packet one-way delay: 16.878 ms
Loss rate: 0.46%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-30 15:54:11

End at: 2018-06-30 15:54:41

Local clock offset: 0.736 ms

Remote clock offset: 0.129 ms

Below is generated by plot.py at 2018-06-30 17:49:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.94 Mbit/s

95th percentile per-packet one-way delay: 27.230 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 57.05 Mbit/s

95th percentile per-packet one-way delay: 27.403 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 22.02 Mbit/s

95th percentile per-packet one-way delay: 22.178 ms

Loss rate: 0.15%

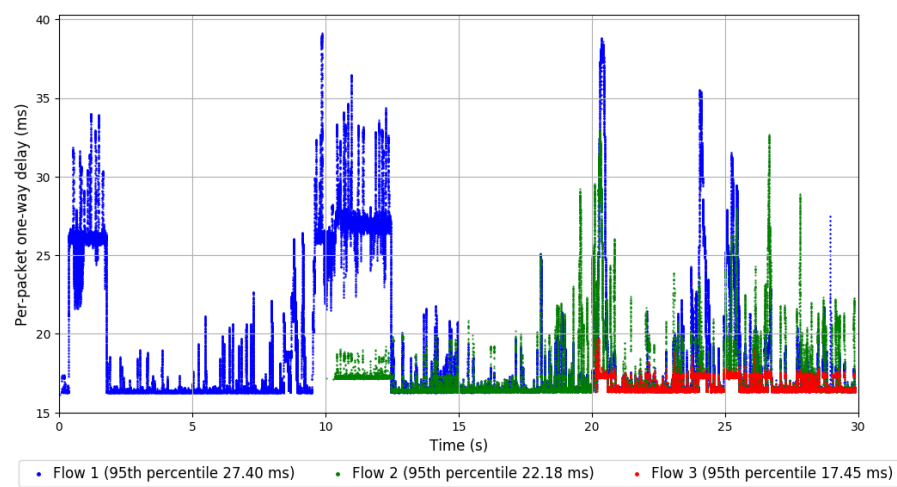
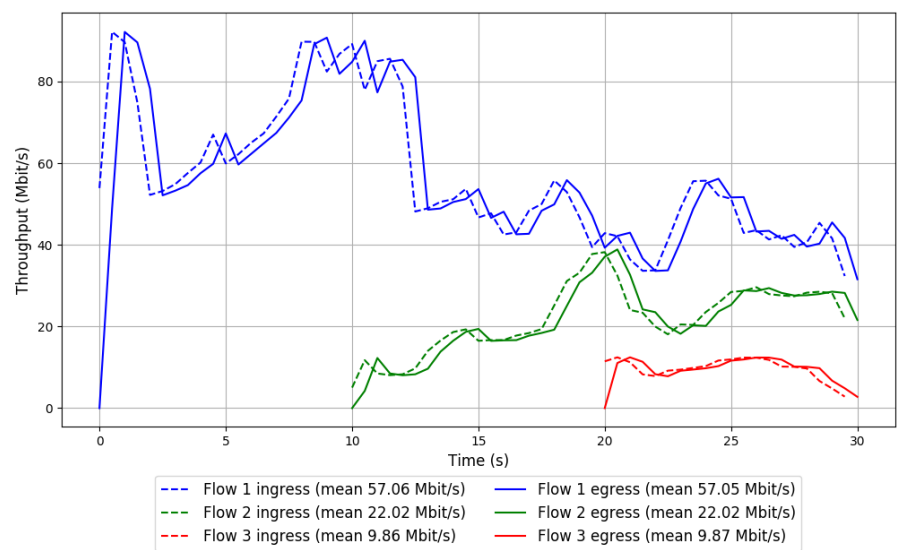
-- Flow 3:

Average throughput: 9.87 Mbit/s

95th percentile per-packet one-way delay: 17.449 ms

Loss rate: 0.09%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-06-30 16:14:39

End at: 2018-06-30 16:15:09

Local clock offset: 0.438 ms

Remote clock offset: 2.605 ms

Below is generated by plot.py at 2018-06-30 17:49:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.59 Mbit/s

95th percentile per-packet one-way delay: 14.795 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 12.36 Mbit/s

95th percentile per-packet one-way delay: 14.723 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 9.98 Mbit/s

95th percentile per-packet one-way delay: 14.812 ms

Loss rate: 0.10%

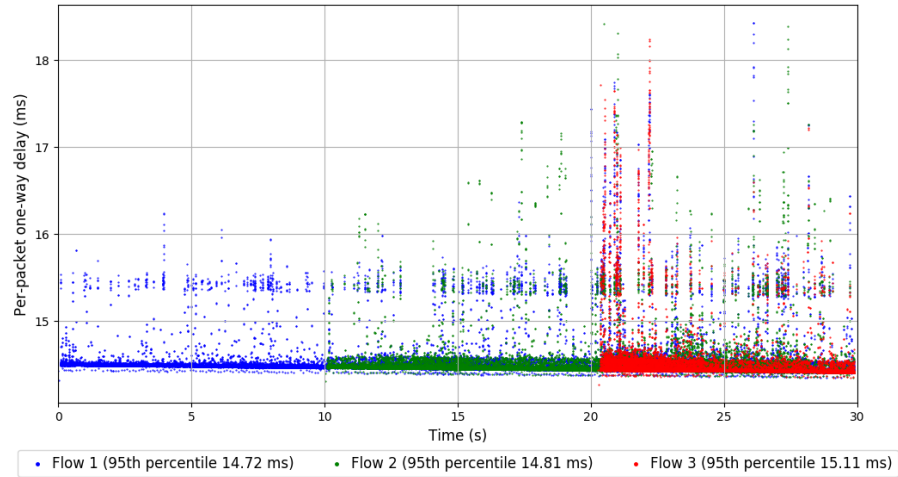
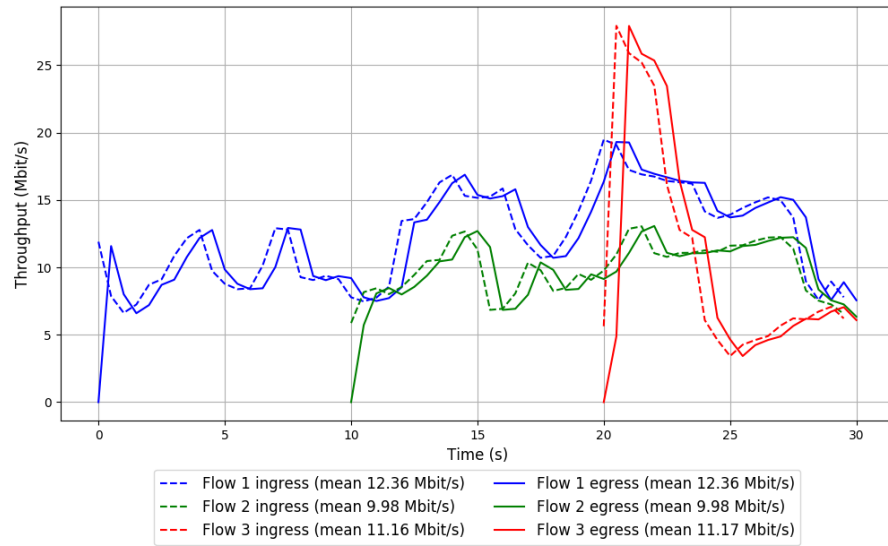
-- Flow 3:

Average throughput: 11.17 Mbit/s

95th percentile per-packet one-way delay: 15.111 ms

Loss rate: 0.17%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-06-30 16:35:02

End at: 2018-06-30 16:35:32

Local clock offset: 1.882 ms

Remote clock offset: 1.055 ms

Below is generated by plot.py at 2018-06-30 17:49:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.97 Mbit/s

95th percentile per-packet one-way delay: 36.543 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 53.10 Mbit/s

95th percentile per-packet one-way delay: 38.088 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 37.11 Mbit/s

95th percentile per-packet one-way delay: 35.081 ms

Loss rate: 0.14%

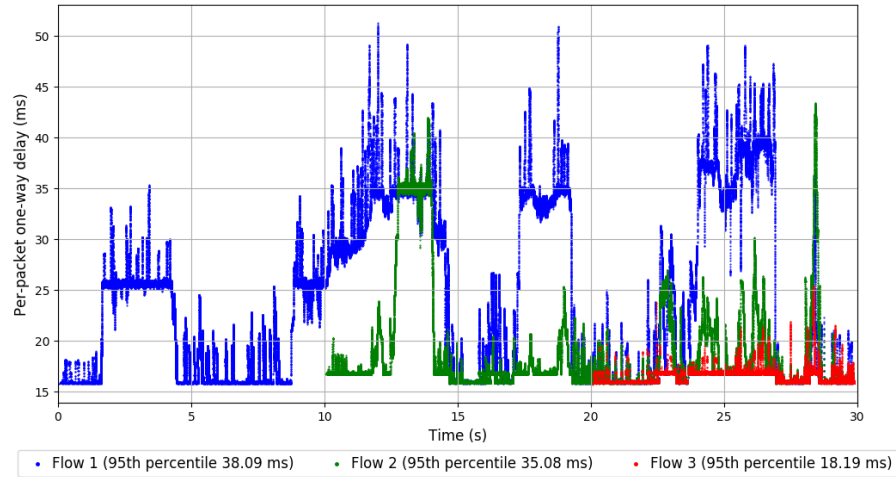
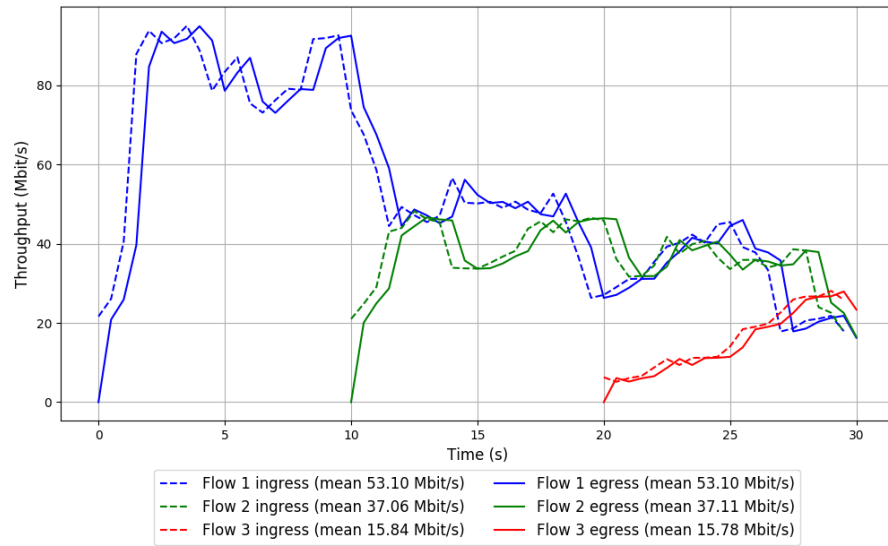
-- Flow 3:

Average throughput: 15.78 Mbit/s

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

Loss rate: 1.11%

Run 8: Report of PCC-Expr — Data Link

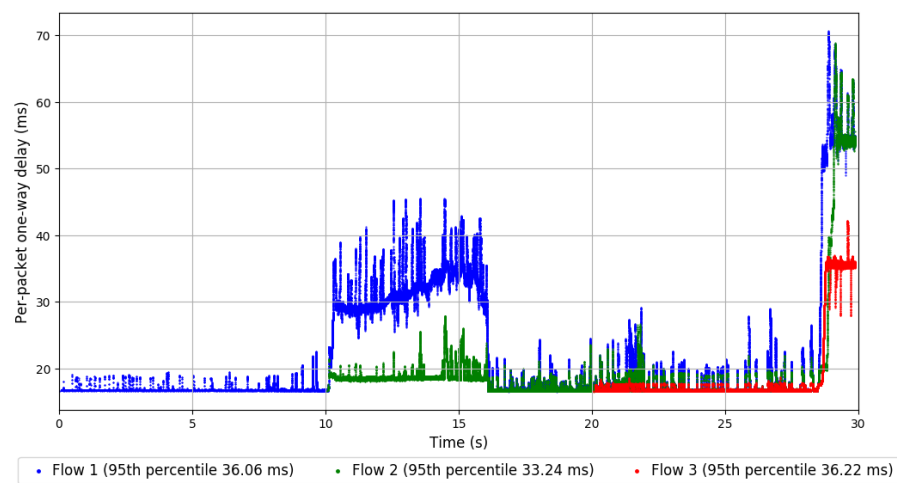
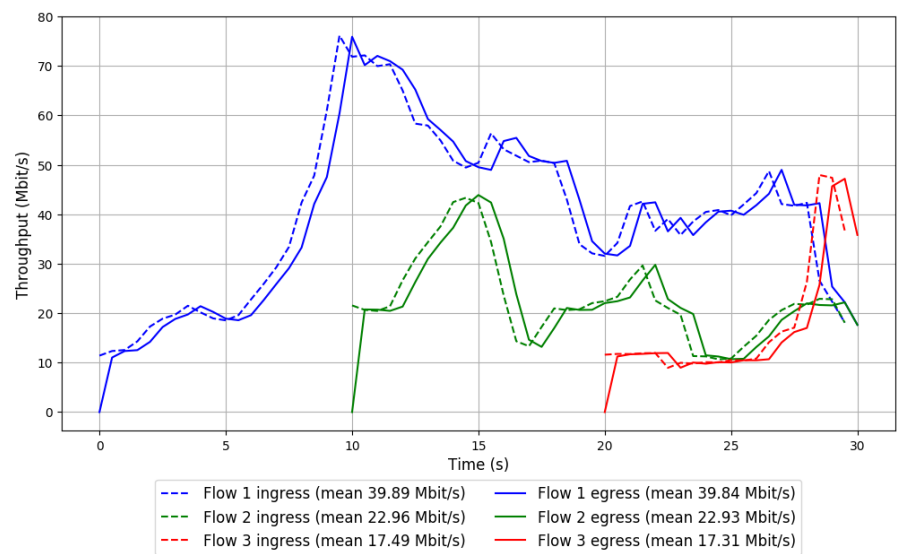


Run 9: Statistics of PCC-Expr

Start at: 2018-06-30 16:54:58
End at: 2018-06-30 16:55:28
Local clock offset: 0.902 ms
Remote clock offset: -2.178 ms

Below is generated by plot.py at 2018-06-30 17:49:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.78 Mbit/s
95th percentile per-packet one-way delay: 36.136 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 39.84 Mbit/s
95th percentile per-packet one-way delay: 36.060 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 22.93 Mbit/s
95th percentile per-packet one-way delay: 33.238 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 17.31 Mbit/s
95th percentile per-packet one-way delay: 36.223 ms
Loss rate: 1.33%

Run 9: Report of PCC-Expr — Data Link

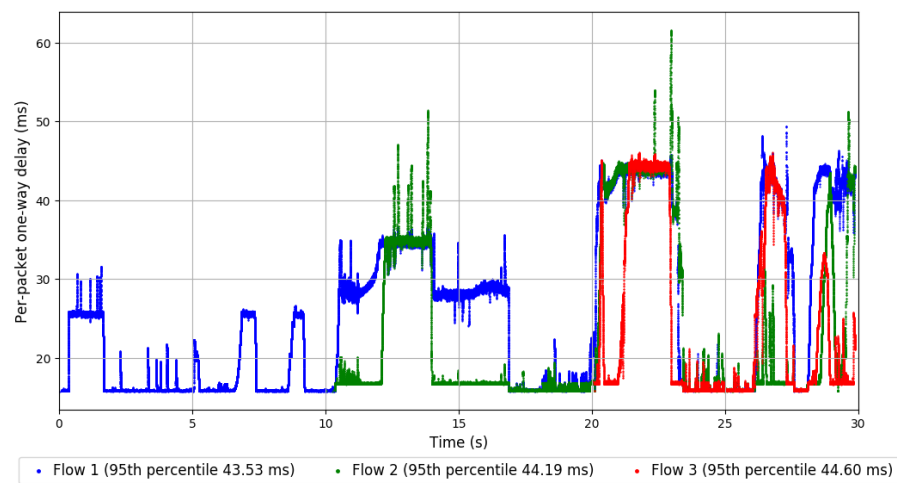
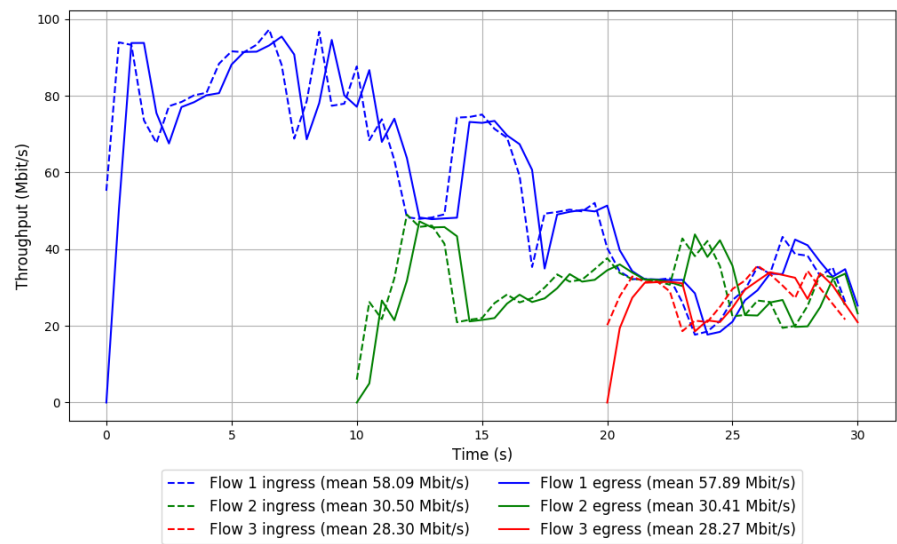


Run 10: Statistics of PCC-Expr

Start at: 2018-06-30 17:14:52
End at: 2018-06-30 17:15:22
Local clock offset: 0.017 ms
Remote clock offset: -3.082 ms

Below is generated by plot.py at 2018-06-30 17:50:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.43 Mbit/s
95th percentile per-packet one-way delay: 44.029 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 57.89 Mbit/s
95th percentile per-packet one-way delay: 43.531 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 30.41 Mbit/s
95th percentile per-packet one-way delay: 44.194 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 28.27 Mbit/s
95th percentile per-packet one-way delay: 44.599 ms
Loss rate: 0.37%

Run 10: Report of PCC-Expr — Data Link

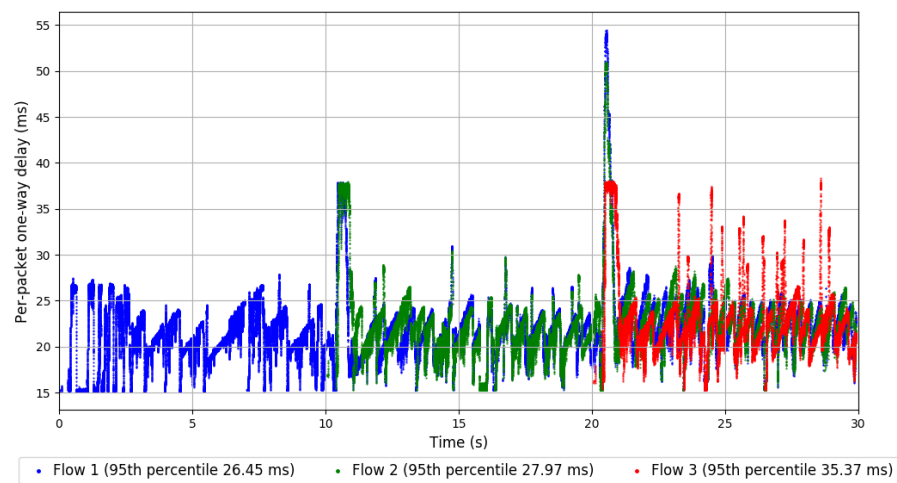
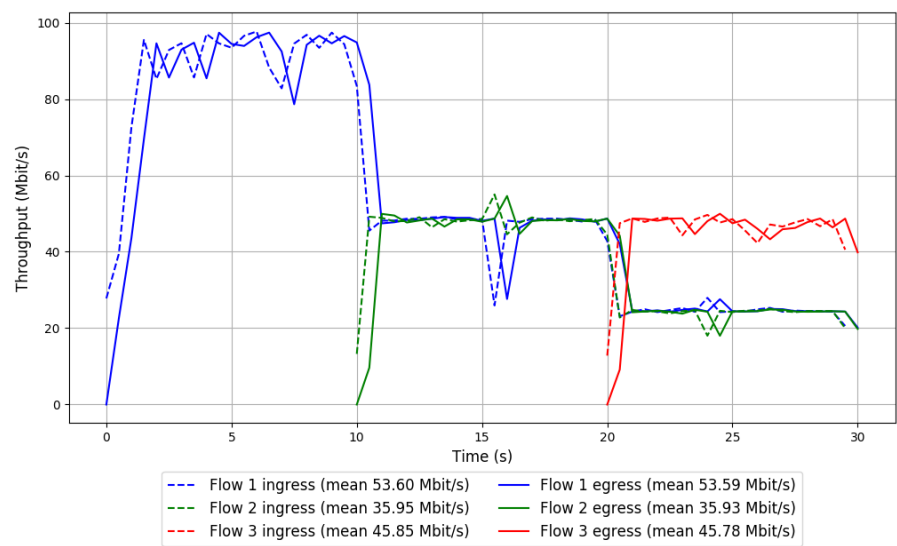


Run 1: Statistics of QUIC Cubic

Start at: 2018-06-30 14:17:26
End at: 2018-06-30 14:17:56
Local clock offset: -0.87 ms
Remote clock offset: -2.622 ms

Below is generated by plot.py at 2018-06-30 17:50:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.58 Mbit/s
95th percentile per-packet one-way delay: 26.843 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 53.59 Mbit/s
95th percentile per-packet one-way delay: 26.452 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 35.93 Mbit/s
95th percentile per-packet one-way delay: 27.966 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 45.78 Mbit/s
95th percentile per-packet one-way delay: 35.366 ms
Loss rate: 0.38%

Run 1: Report of QUIC Cubic — Data Link

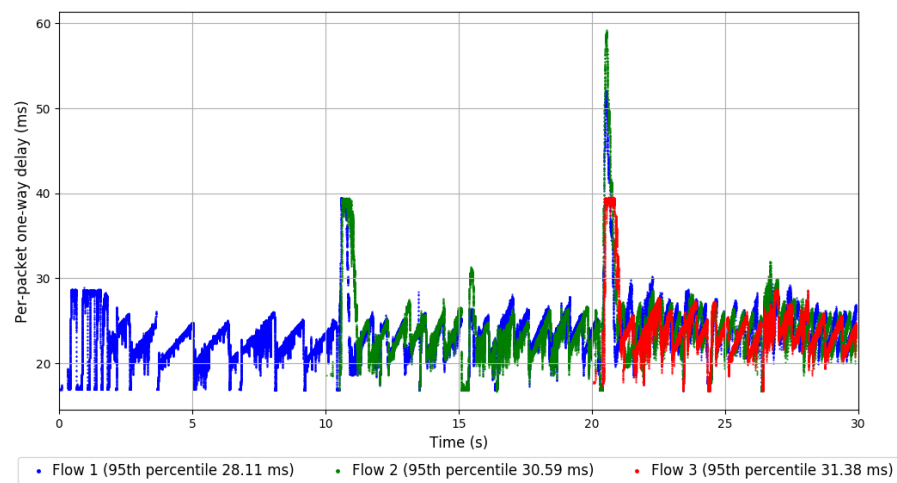
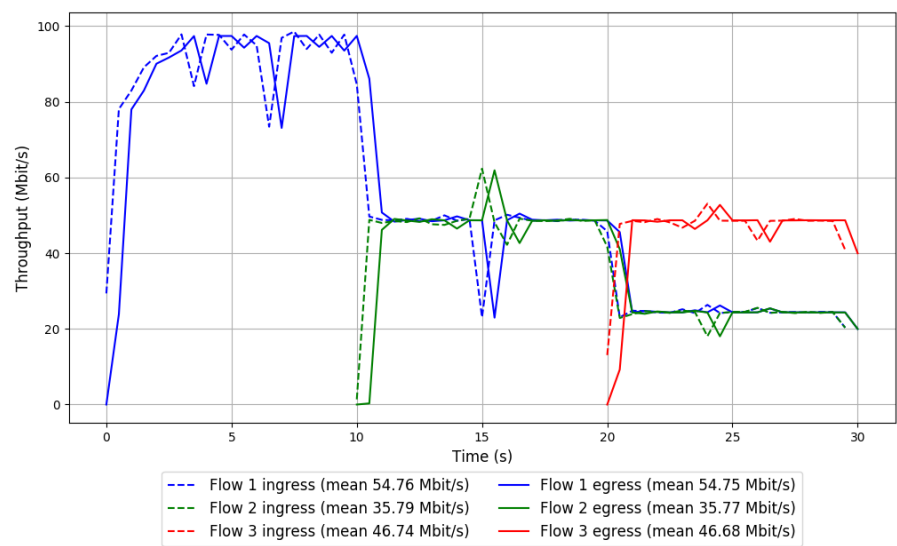


Run 2: Statistics of QUIC Cubic

Start at: 2018-06-30 14:38:02
End at: 2018-06-30 14:38:32
Local clock offset: 0.747 ms
Remote clock offset: -7.787 ms

Below is generated by plot.py at 2018-06-30 17:50:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.94 Mbit/s
95th percentile per-packet one-way delay: 28.294 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 54.75 Mbit/s
95th percentile per-packet one-way delay: 28.111 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 35.77 Mbit/s
95th percentile per-packet one-way delay: 30.593 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 46.68 Mbit/s
95th percentile per-packet one-way delay: 31.375 ms
Loss rate: 0.38%

Run 2: Report of QUIC Cubic — Data Link

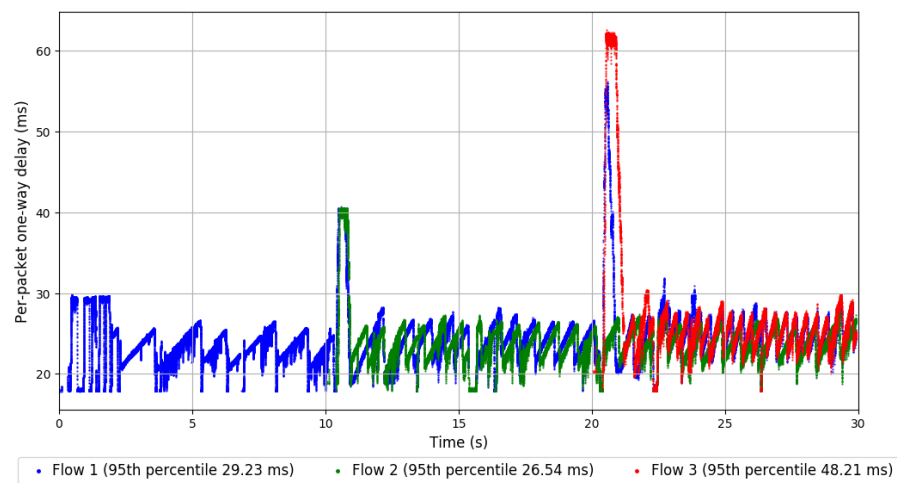
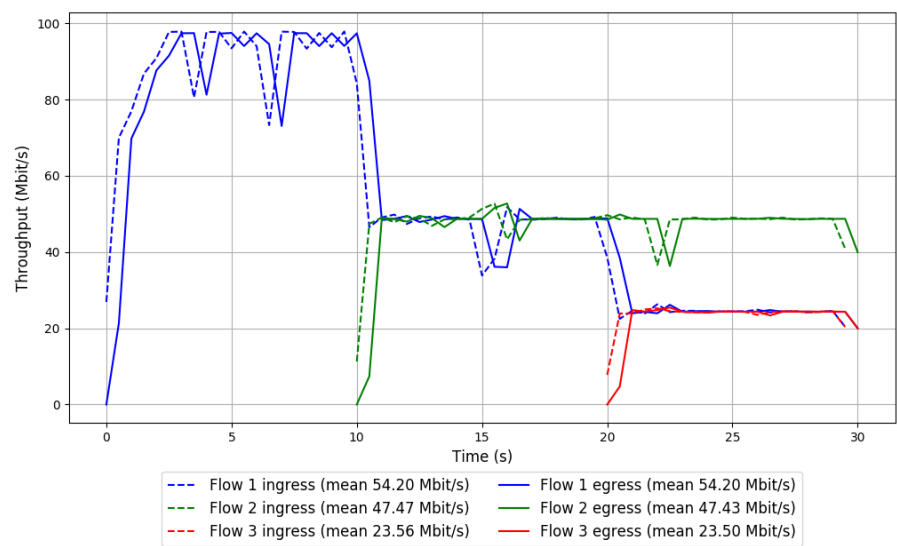


Run 3: Statistics of QUIC Cubic

Start at: 2018-06-30 14:58:18
End at: 2018-06-30 14:58:48
Local clock offset: 1.839 ms
Remote clock offset: -10.939 ms

Below is generated by plot.py at 2018-06-30 17:50:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.50 Mbit/s
95th percentile per-packet one-way delay: 29.067 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 54.20 Mbit/s
95th percentile per-packet one-way delay: 29.225 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 47.43 Mbit/s
95th percentile per-packet one-way delay: 26.538 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 23.50 Mbit/s
95th percentile per-packet one-way delay: 48.212 ms
Loss rate: 0.52%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-30 15:18:38

End at: 2018-06-30 15:19:08

Local clock offset: 1.234 ms

Remote clock offset: -7.96 ms

Below is generated by plot.py at 2018-06-30 17:50:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.19 Mbit/s

95th percentile per-packet one-way delay: 27.825 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 62.45 Mbit/s

95th percentile per-packet one-way delay: 27.216 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 35.99 Mbit/s

95th percentile per-packet one-way delay: 28.580 ms

Loss rate: 0.18%

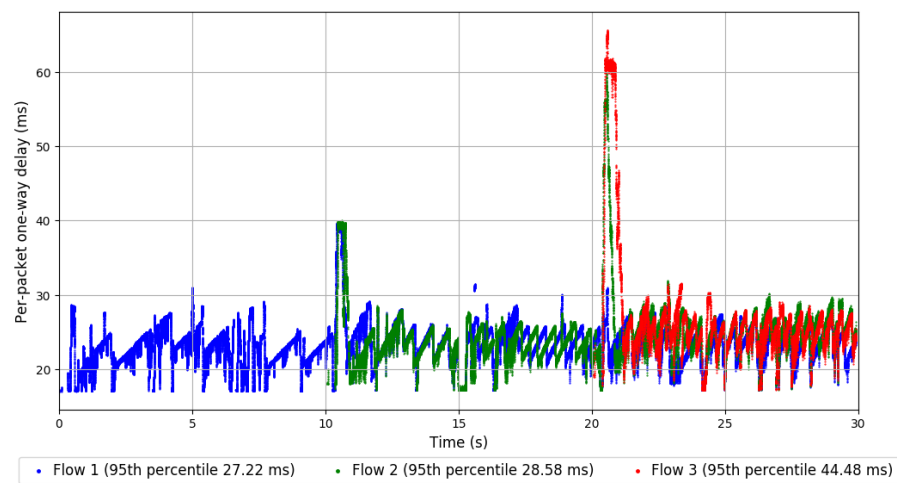
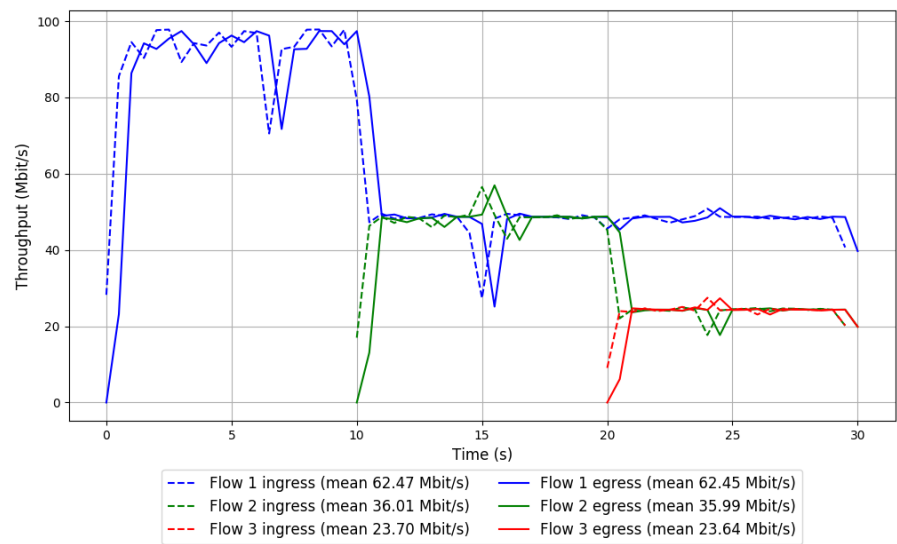
-- Flow 3:

Average throughput: 23.64 Mbit/s

95th percentile per-packet one-way delay: 44.482 ms

Loss rate: 0.52%

Run 4: Report of QUIC Cubic — Data Link

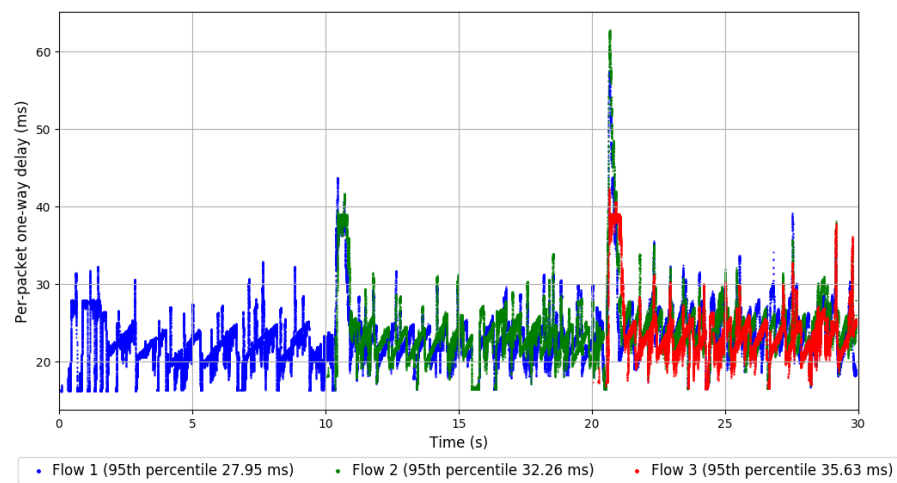
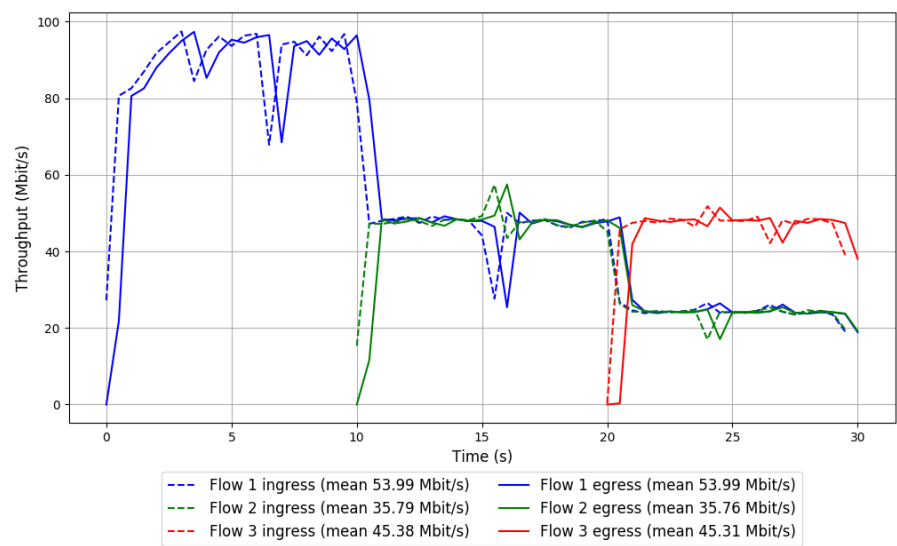


Run 5: Statistics of QUIC Cubic

Start at: 2018-06-30 15:39:05
End at: 2018-06-30 15:39:35
Local clock offset: -0.45 ms
Remote clock offset: -5.087 ms

Below is generated by plot.py at 2018-06-30 17:50:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.72 Mbit/s
95th percentile per-packet one-way delay: 29.428 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 53.99 Mbit/s
95th percentile per-packet one-way delay: 27.950 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 35.76 Mbit/s
95th percentile per-packet one-way delay: 32.260 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 45.31 Mbit/s
95th percentile per-packet one-way delay: 35.627 ms
Loss rate: 0.42%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-30 16:00:15

End at: 2018-06-30 16:00:45

Local clock offset: 3.035 ms

Remote clock offset: 0.385 ms

Below is generated by plot.py at 2018-06-30 17:50:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.14 Mbit/s

95th percentile per-packet one-way delay: 33.693 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 55.87 Mbit/s

95th percentile per-packet one-way delay: 30.949 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 39.03 Mbit/s

95th percentile per-packet one-way delay: 33.556 ms

Loss rate: 0.20%

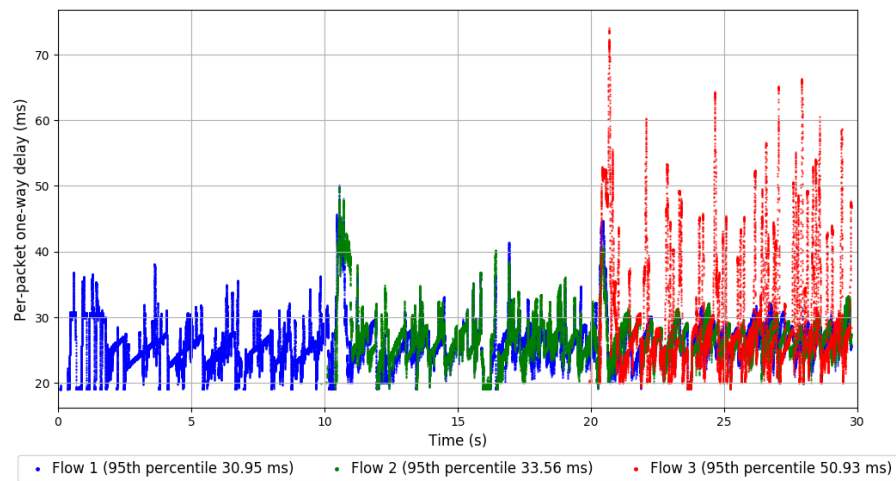
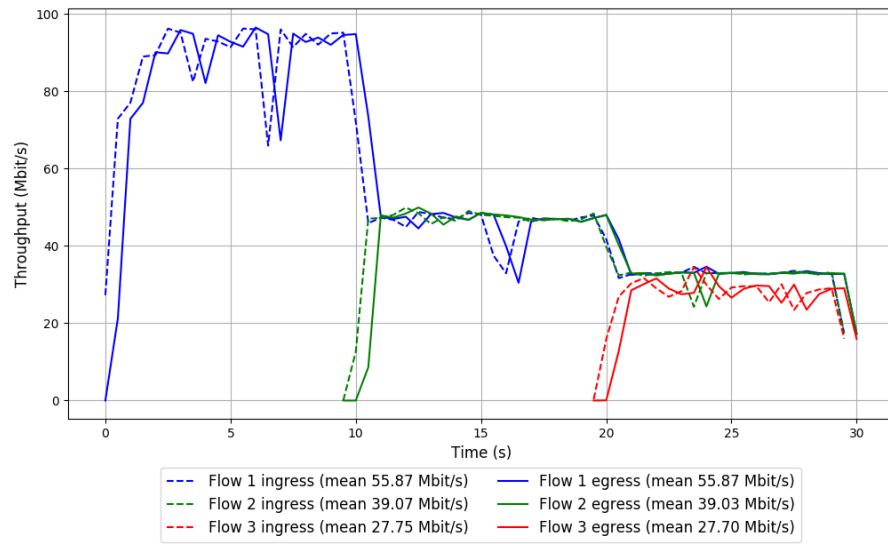
-- Flow 3:

Average throughput: 27.70 Mbit/s

95th percentile per-packet one-way delay: 50.930 ms

Loss rate: 0.44%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-06-30 16:20:47

End at: 2018-06-30 16:21:17

Local clock offset: -0.117 ms

Remote clock offset: 1.249 ms

Below is generated by plot.py at 2018-06-30 17:51:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.42 Mbit/s

95th percentile per-packet one-way delay: 31.198 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 55.65 Mbit/s

95th percentile per-packet one-way delay: 26.876 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 36.92 Mbit/s

95th percentile per-packet one-way delay: 36.723 ms

Loss rate: 0.21%

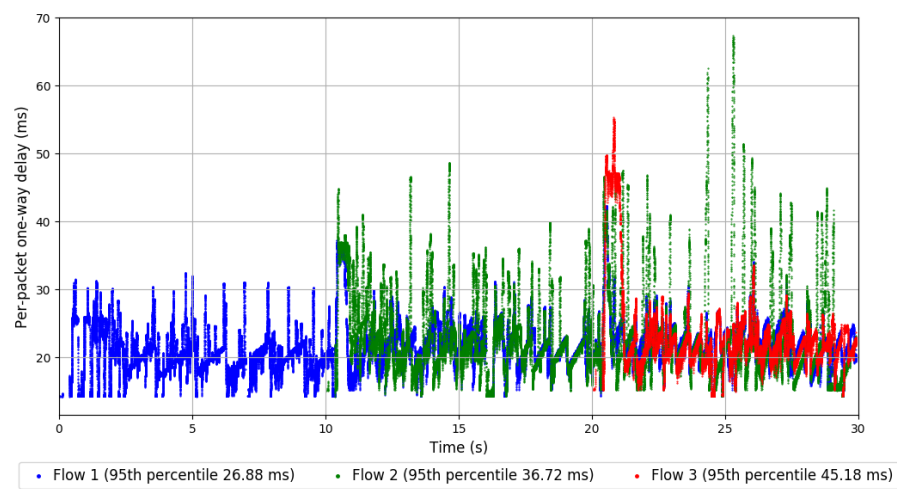
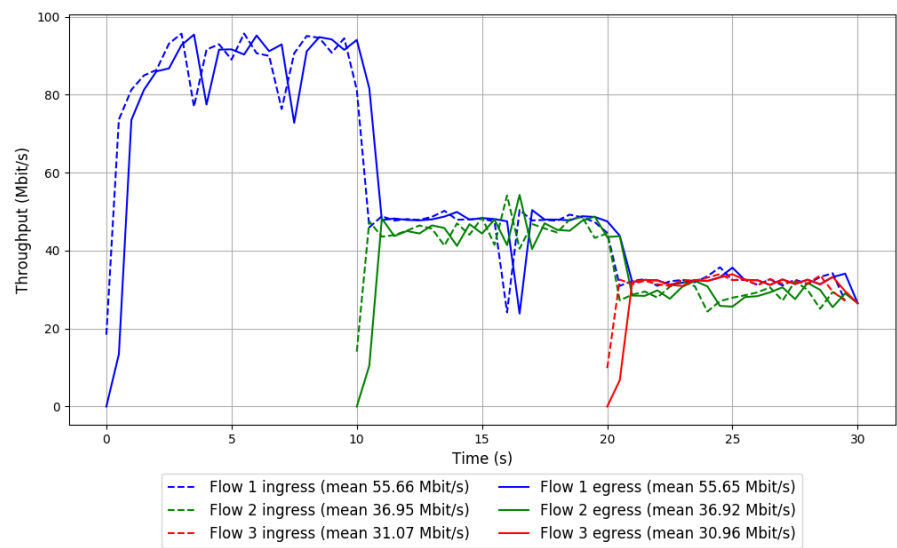
-- Flow 3:

Average throughput: 30.96 Mbit/s

95th percentile per-packet one-way delay: 45.179 ms

Loss rate: 0.60%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-30 16:41:00

End at: 2018-06-30 16:41:30

Local clock offset: 3.387 ms

Remote clock offset: 0.936 ms

Below is generated by plot.py at 2018-06-30 17:51:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.77 Mbit/s

95th percentile per-packet one-way delay: 32.444 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 53.14 Mbit/s

95th percentile per-packet one-way delay: 30.197 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 45.11 Mbit/s

95th percentile per-packet one-way delay: 35.488 ms

Loss rate: 0.22%

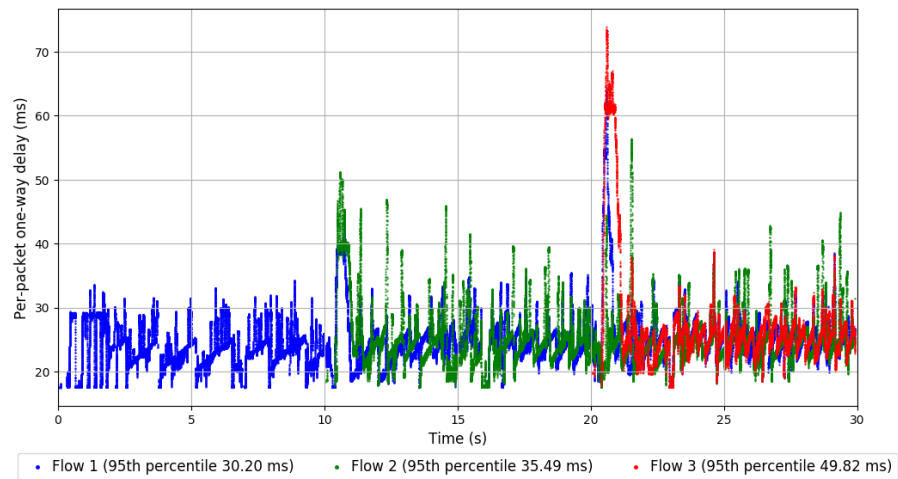
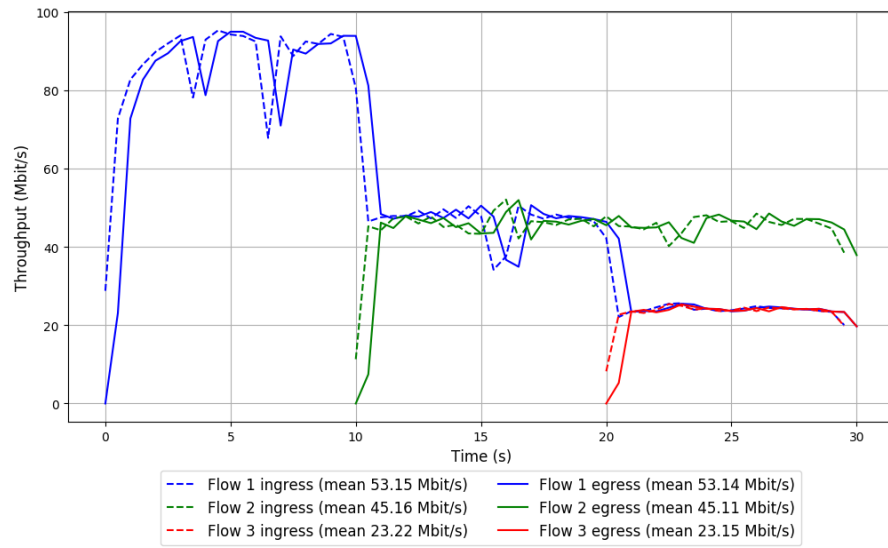
-- Flow 3:

Average throughput: 23.15 Mbit/s

95th percentile per-packet one-way delay: 49.817 ms

Loss rate: 0.51%

Run 8: Report of QUIC Cubic — Data Link

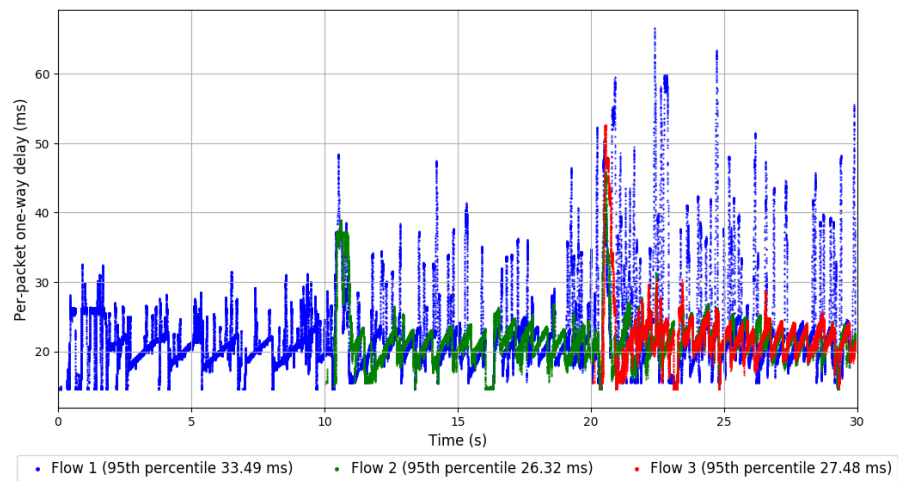
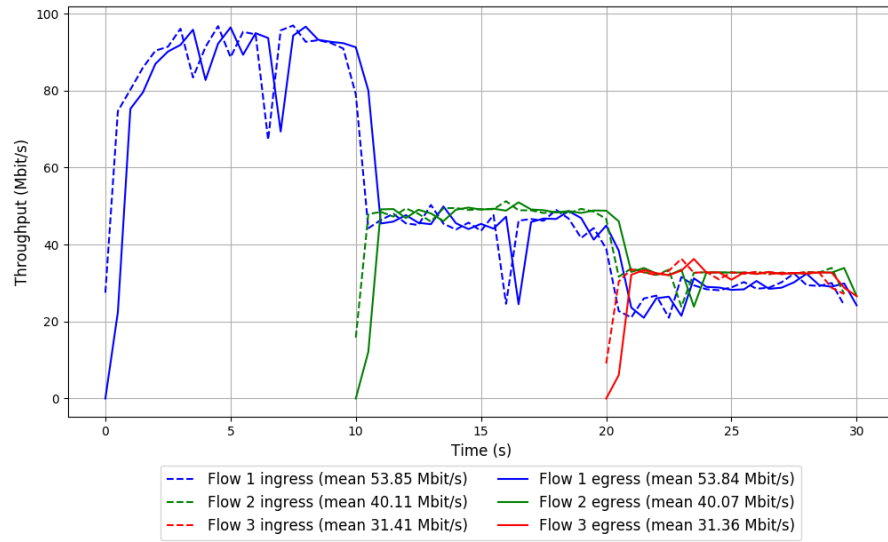


Run 9: Statistics of QUIC Cubic

Start at: 2018-06-30 17:00:47
End at: 2018-06-30 17:01:17
Local clock offset: 0.307 ms
Remote clock offset: -1.174 ms

Below is generated by plot.py at 2018-06-30 17:51:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.82 Mbit/s
95th percentile per-packet one-way delay: 31.515 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 53.84 Mbit/s
95th percentile per-packet one-way delay: 33.487 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.07 Mbit/s
95th percentile per-packet one-way delay: 26.325 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 31.36 Mbit/s
95th percentile per-packet one-way delay: 27.476 ms
Loss rate: 0.41%

Run 9: Report of QUIC Cubic — Data Link

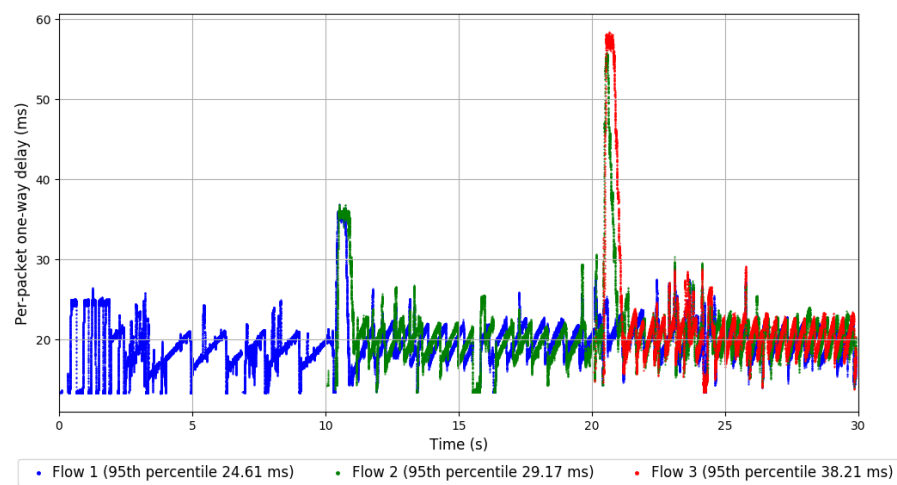
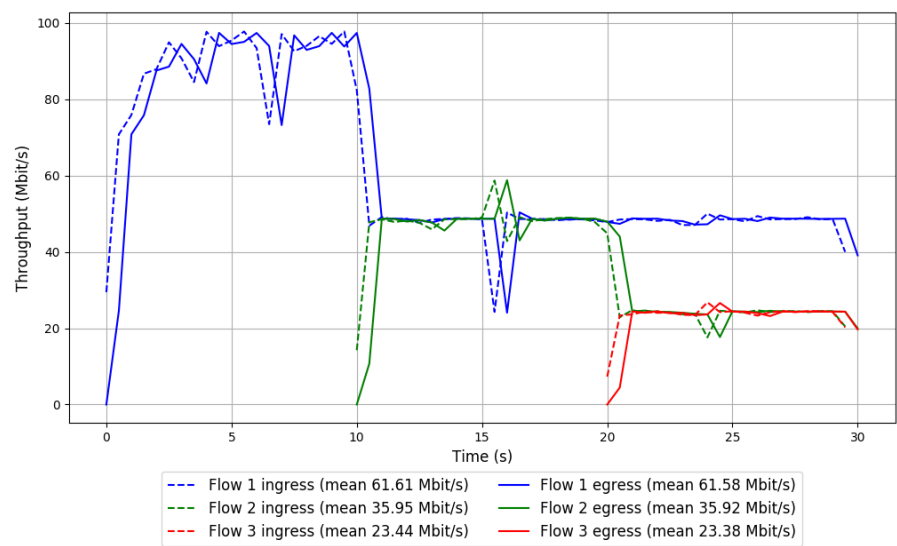


Run 10: Statistics of QUIC Cubic

Start at: 2018-06-30 17:20:45
End at: 2018-06-30 17:21:15
Local clock offset: -1.893 ms
Remote clock offset: -2.262 ms

Below is generated by plot.py at 2018-06-30 17:51:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 24.763 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 61.58 Mbit/s
95th percentile per-packet one-way delay: 24.610 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 35.92 Mbit/s
95th percentile per-packet one-way delay: 29.169 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 23.38 Mbit/s
95th percentile per-packet one-way delay: 38.209 ms
Loss rate: 0.49%

Run 10: Report of QUIC Cubic — Data Link

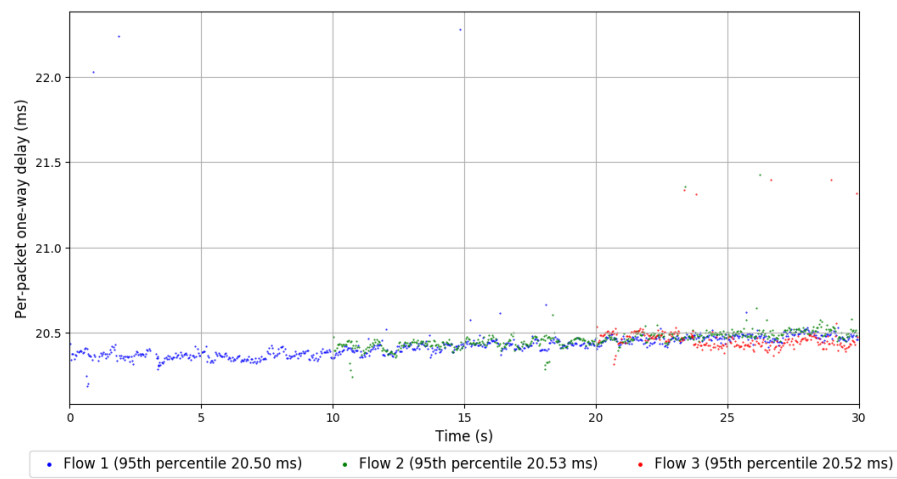
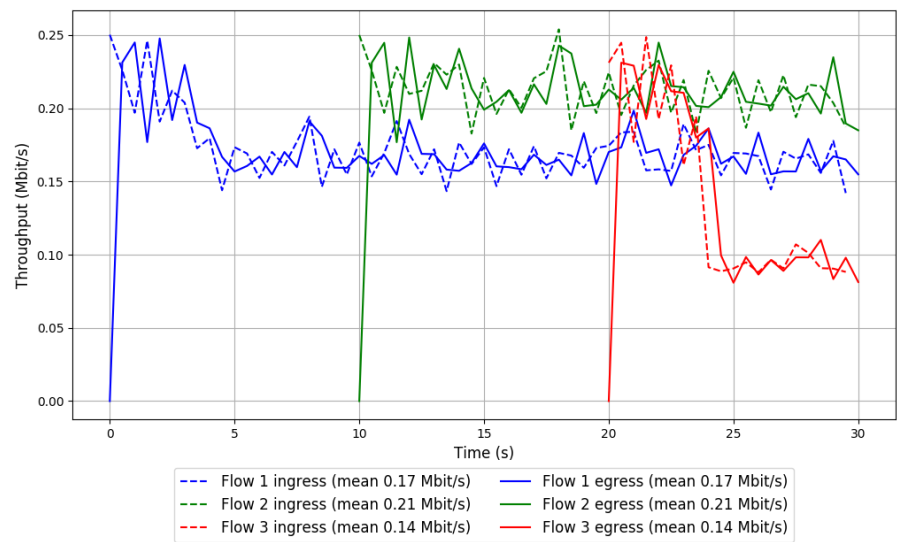


Run 1: Statistics of SCReAM

Start at: 2018-06-30 14:15:08
End at: 2018-06-30 14:15:38
Local clock offset: -2.223 ms
Remote clock offset: -9.762 ms

Below is generated by plot.py at 2018-06-30 17:51:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 20.516 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 20.501 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 20.526 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 20.515 ms
Loss rate: 0.25%

Run 1: Report of SReAM — Data Link

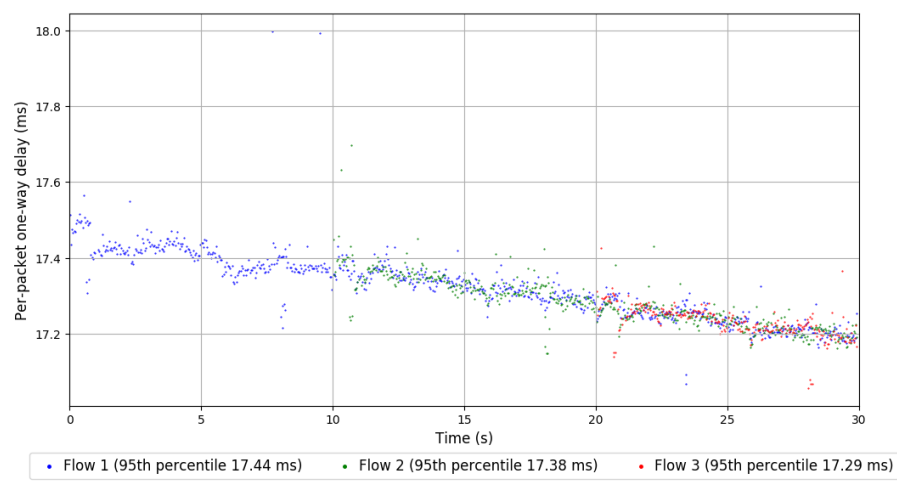
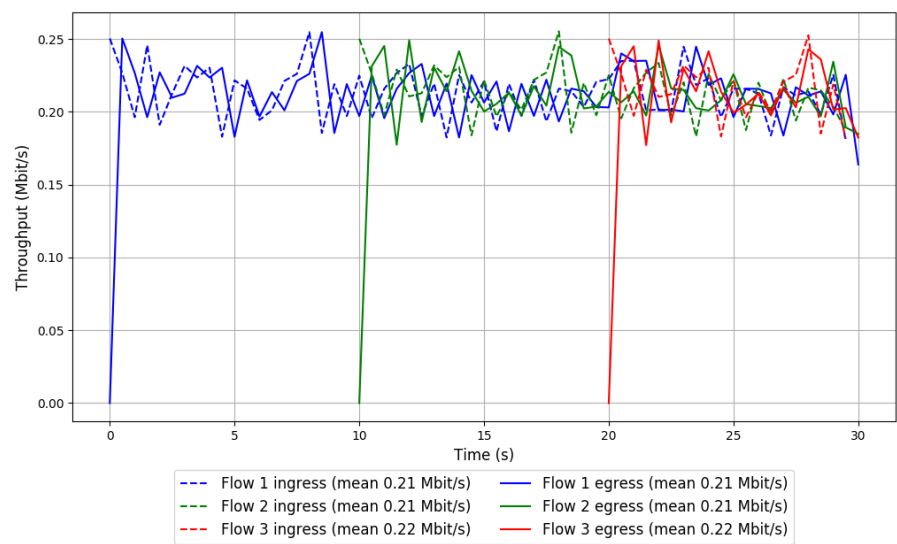


Run 2: Statistics of SReAM

Start at: 2018-06-30 14:35:39
End at: 2018-06-30 14:36:09
Local clock offset: 0.99 ms
Remote clock offset: -6.822 ms

Below is generated by plot.py at 2018-06-30 17:51:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 17.430 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.444 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.383 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.293 ms
Loss rate: 0.36%

Run 2: Report of SReAM — Data Link

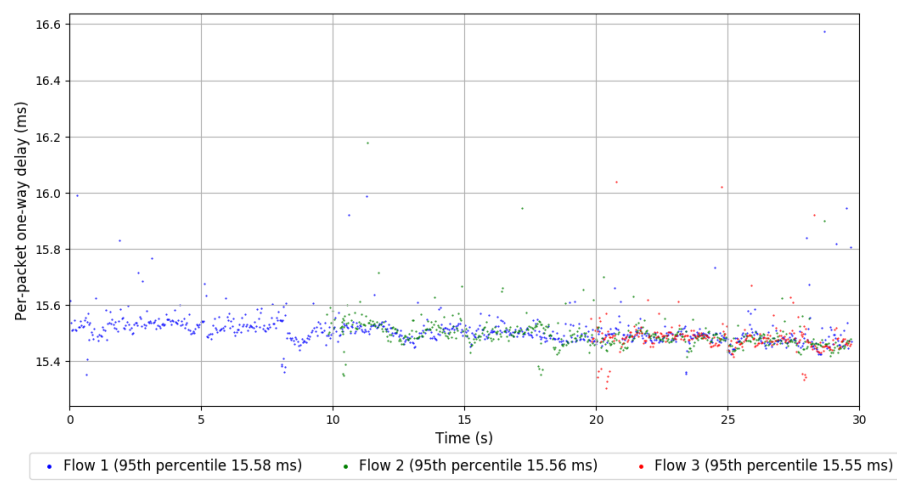
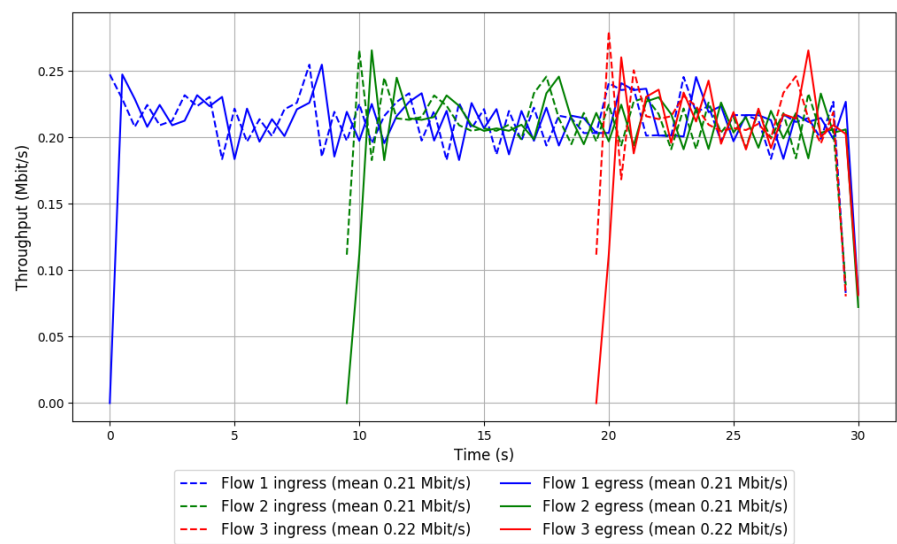


Run 3: Statistics of SReAM

Start at: 2018-06-30 14:55:59
End at: 2018-06-30 14:56:29
Local clock offset: -0.336 ms
Remote clock offset: -11.826 ms

Below is generated by plot.py at 2018-06-30 17:51:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 15.570 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.581 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.565 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.553 ms
Loss rate: 0.35%

Run 3: Report of SReAM — Data Link

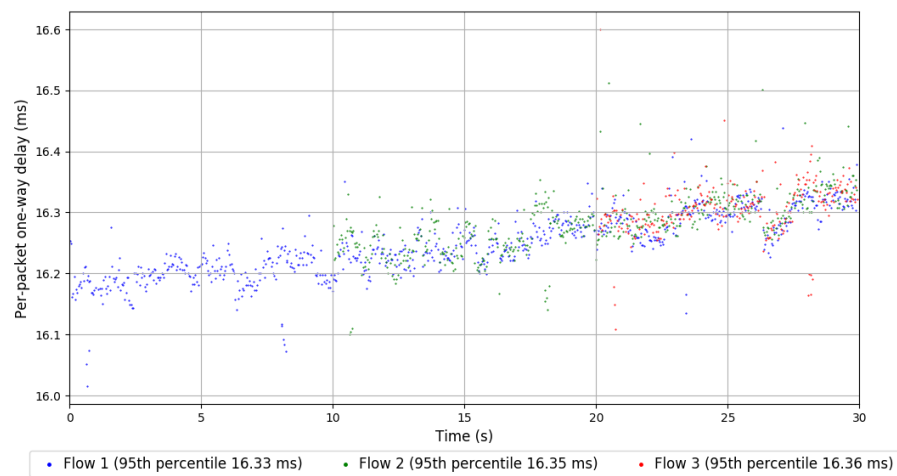
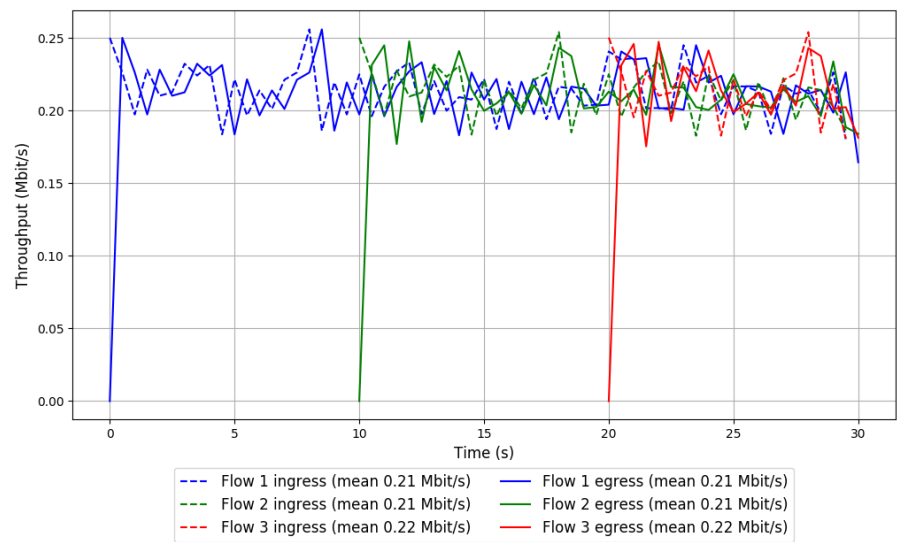


Run 4: Statistics of SReAM

Start at: 2018-06-30 15:16:16
End at: 2018-06-30 15:16:46
Local clock offset: 1.702 ms
Remote clock offset: -7.152 ms

Below is generated by plot.py at 2018-06-30 17:51:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 16.345 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.326 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.346 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 16.360 ms
Loss rate: 0.35%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-06-30 15:36:46

End at: 2018-06-30 15:37:16

Local clock offset: 1.279 ms

Remote clock offset: -6.44 ms

Below is generated by plot.py at 2018-06-30 17:51:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 18.091 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 18.082 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 18.091 ms

Loss rate: 0.19%

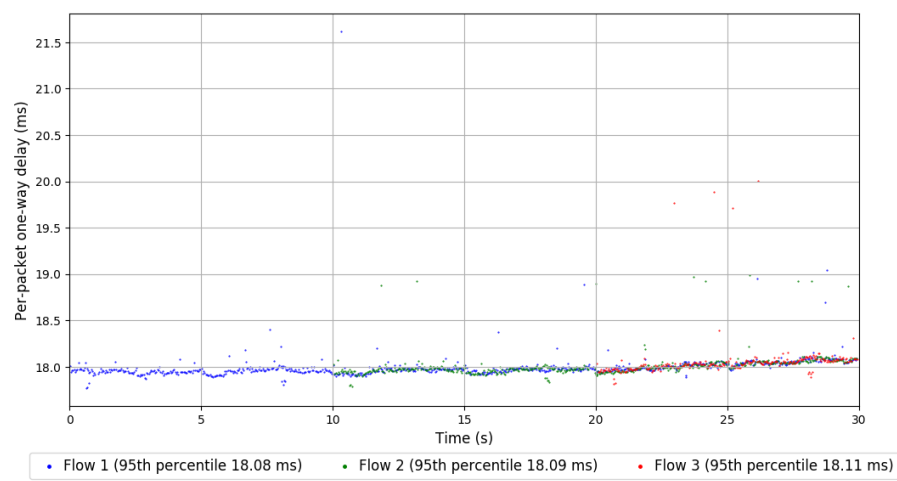
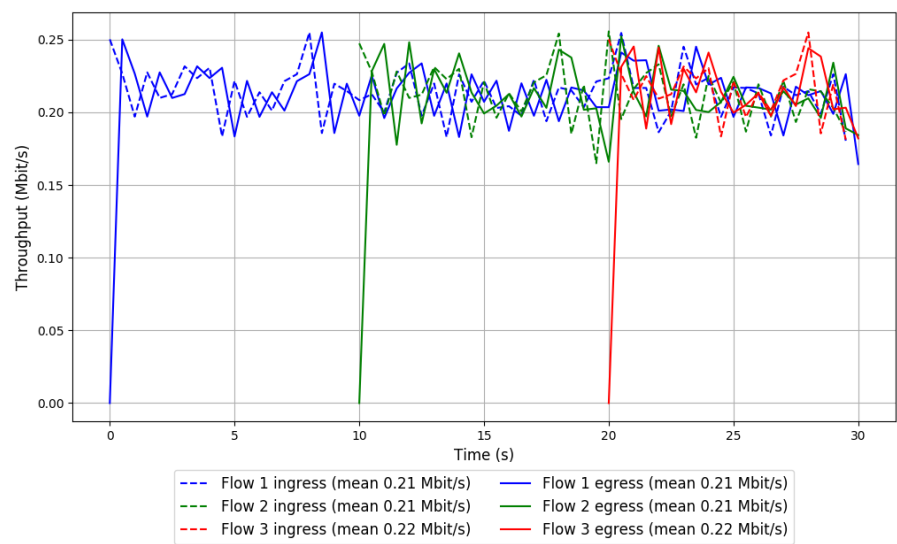
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.112 ms

Loss rate: 0.35%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-06-30 15:57:55

End at: 2018-06-30 15:58:25

Local clock offset: 2.604 ms

Remote clock offset: 1.218 ms

Below is generated by plot.py at 2018-06-30 17:51:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 17.764 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 17.752 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 17.764 ms

Loss rate: 0.19%

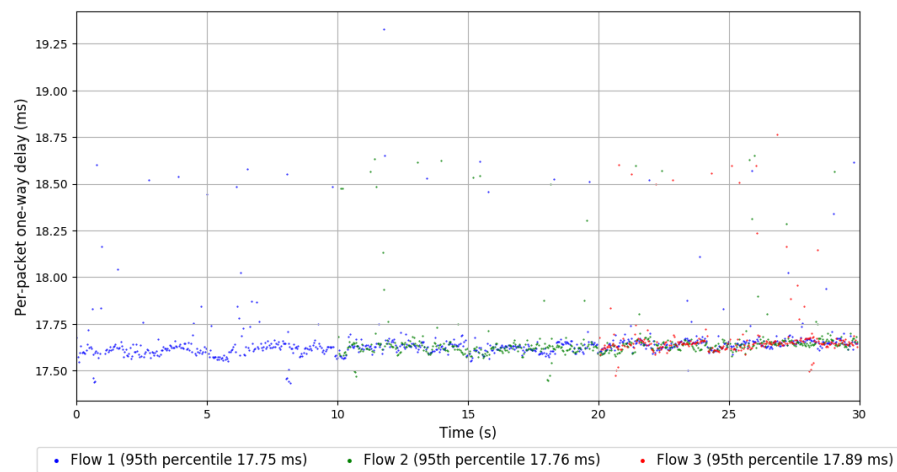
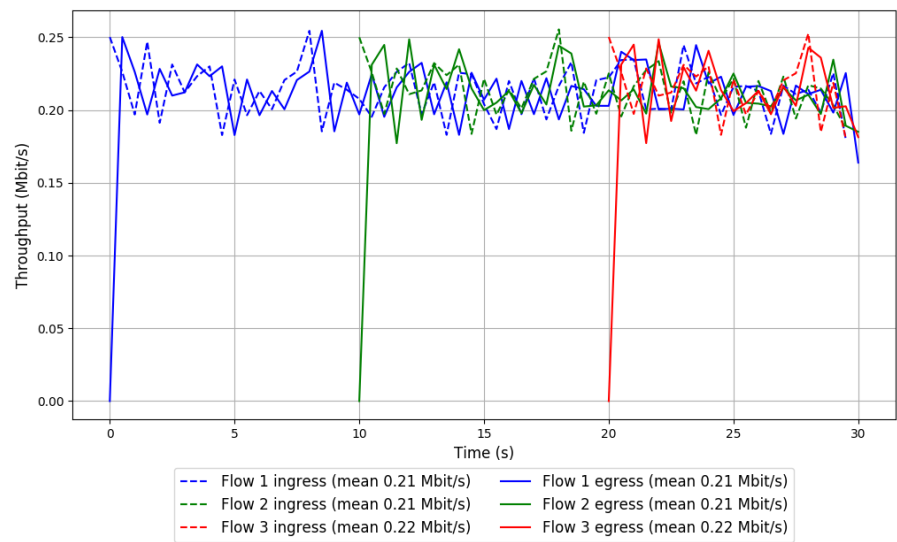
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 17.885 ms

Loss rate: 0.35%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-06-30 16:18:28

End at: 2018-06-30 16:18:58

Local clock offset: 1.253 ms

Remote clock offset: 1.339 ms

Below is generated by plot.py at 2018-06-30 17:51:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 16.533 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 16.623 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 16.256 ms

Loss rate: 0.19%

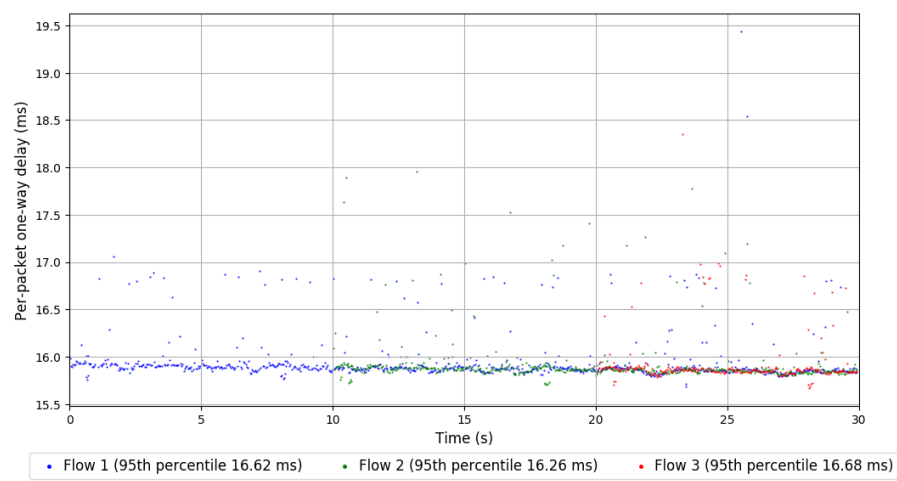
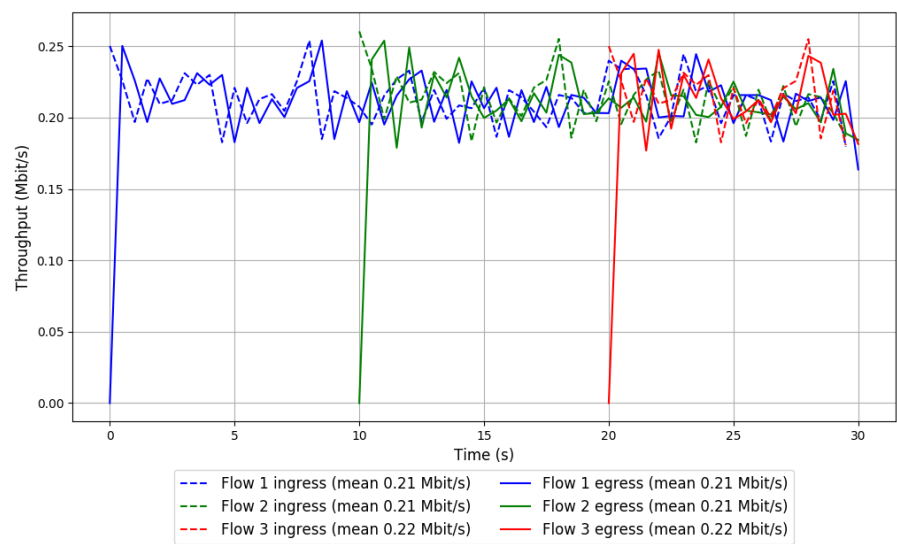
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 16.683 ms

Loss rate: 0.35%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-06-30 16:38:42

End at: 2018-06-30 16:39:12

Local clock offset: 3.124 ms

Remote clock offset: 0.353 ms

Below is generated by plot.py at 2018-06-30 17:51:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 17.970 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 18.675 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 17.896 ms

Loss rate: 0.18%

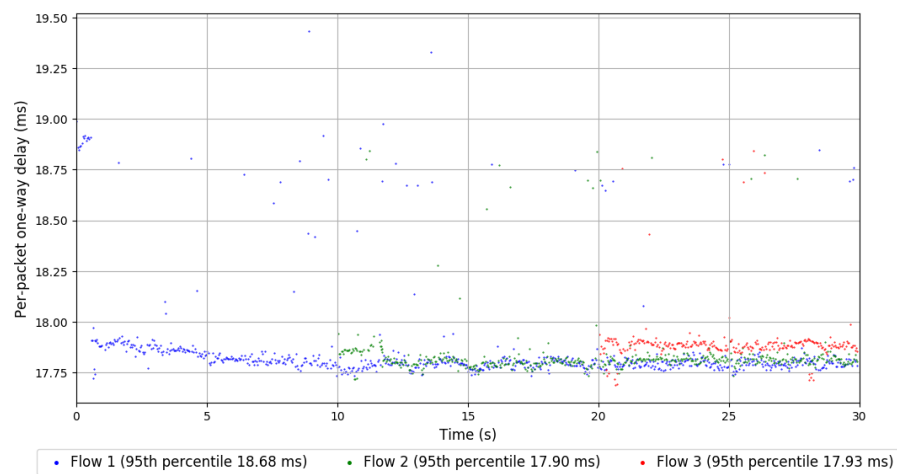
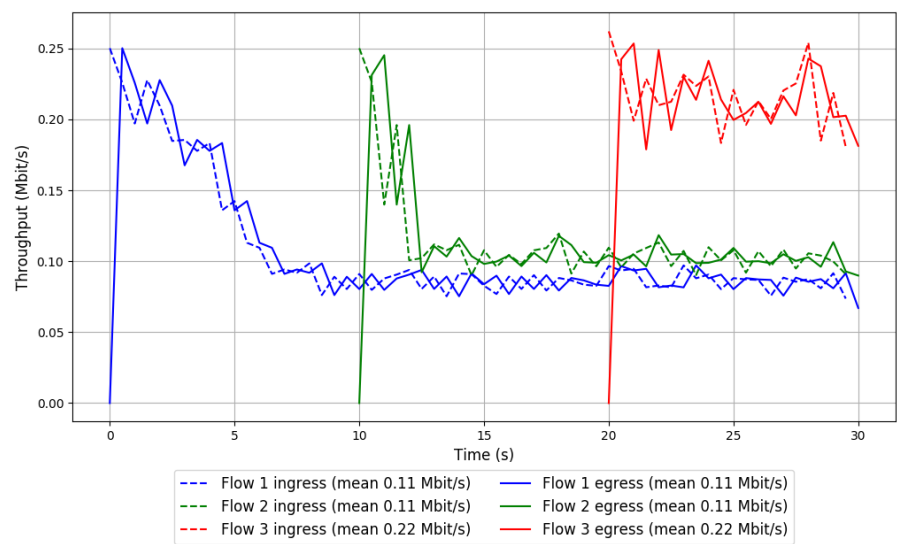
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 17.927 ms

Loss rate: 0.35%

Run 8: Report of SReAM — Data Link

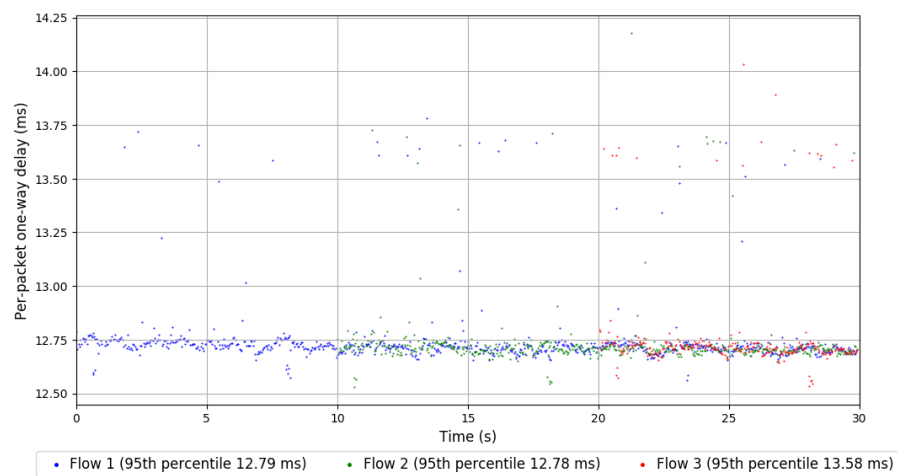
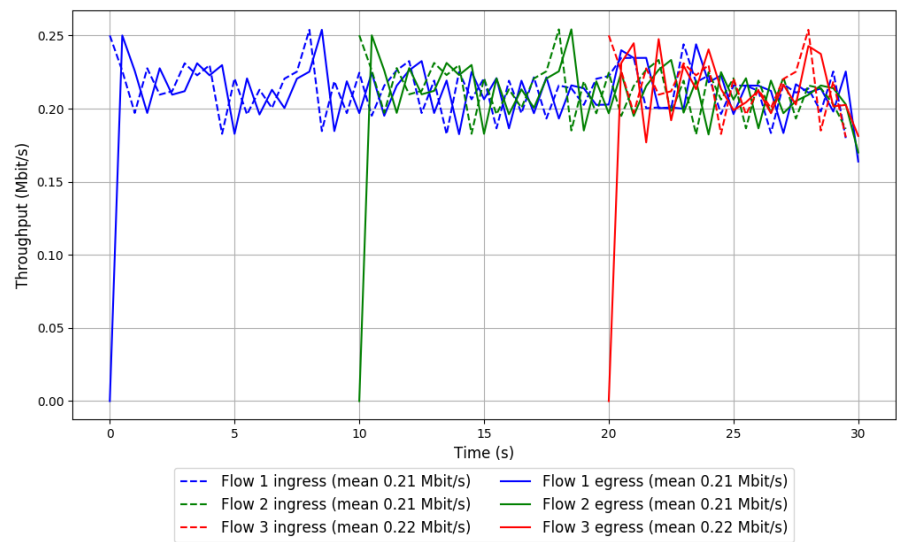


Run 9: Statistics of SReAM

Start at: 2018-06-30 16:58:29
End at: 2018-06-30 16:58:59
Local clock offset: -1.262 ms
Remote clock offset: -0.674 ms

Below is generated by plot.py at 2018-06-30 17:51:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 12.797 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.792 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.778 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 13.584 ms
Loss rate: 0.36%

Run 9: Report of SReAM — Data Link

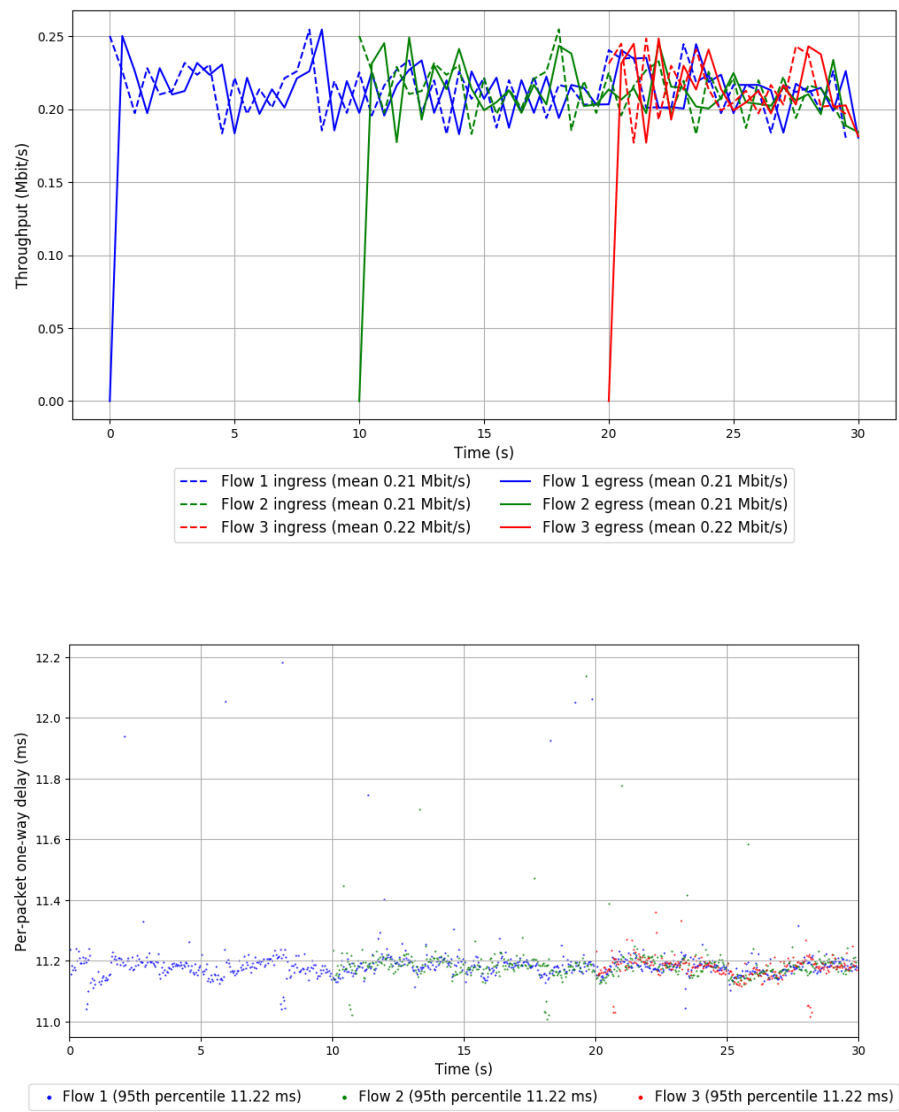


Run 10: Statistics of SReAM

Start at: 2018-06-30 17:18:28
End at: 2018-06-30 17:18:58
Local clock offset: -3.85 ms
Remote clock offset: -2.262 ms

Below is generated by plot.py at 2018-06-30 17:51:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 11.225 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.225 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.225 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 11.221 ms
Loss rate: 0.35%

Run 10: Report of SCRaM — Data Link

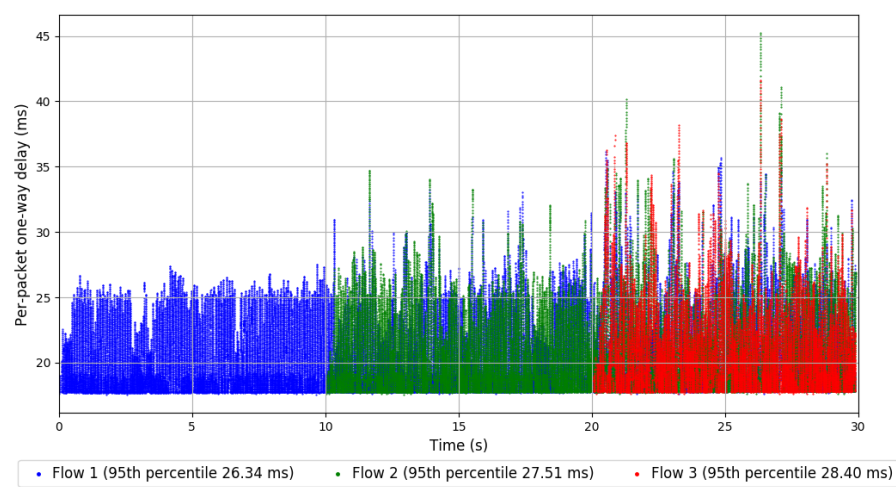
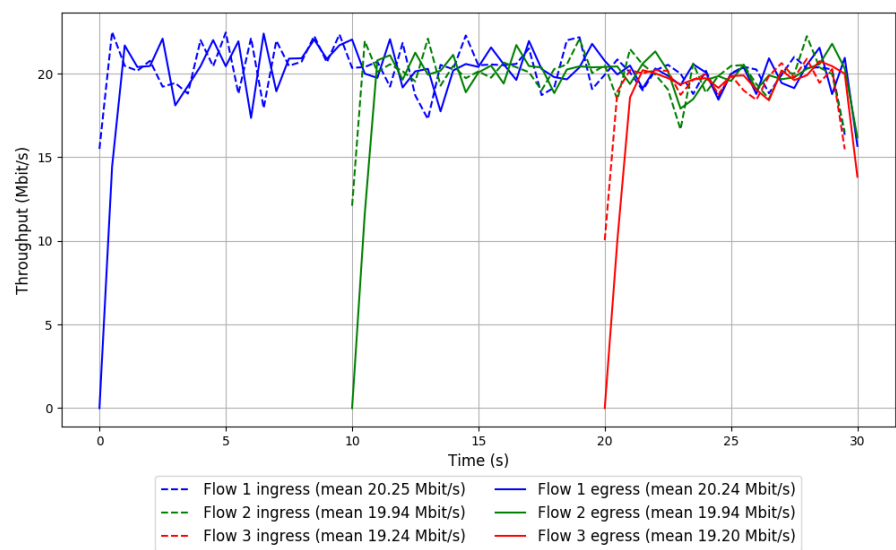


Run 1: Statistics of Sprout

Start at: 2018-06-30 14:23:38
End at: 2018-06-30 14:24:08
Local clock offset: 1.715 ms
Remote clock offset: -1.113 ms

Below is generated by plot.py at 2018-06-30 17:51:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.82 Mbit/s
95th percentile per-packet one-way delay: 27.058 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 20.24 Mbit/s
95th percentile per-packet one-way delay: 26.342 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 19.94 Mbit/s
95th percentile per-packet one-way delay: 27.507 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 19.20 Mbit/s
95th percentile per-packet one-way delay: 28.401 ms
Loss rate: 0.51%

Run 1: Report of Sprout — Data Link

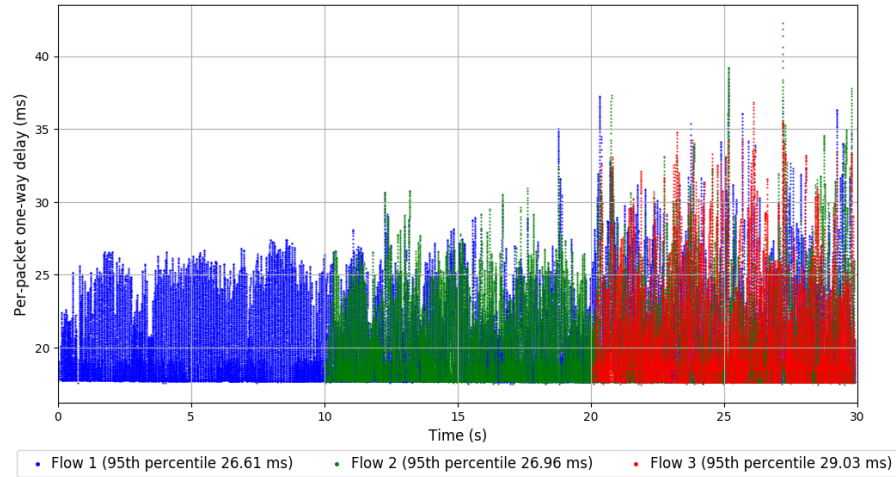
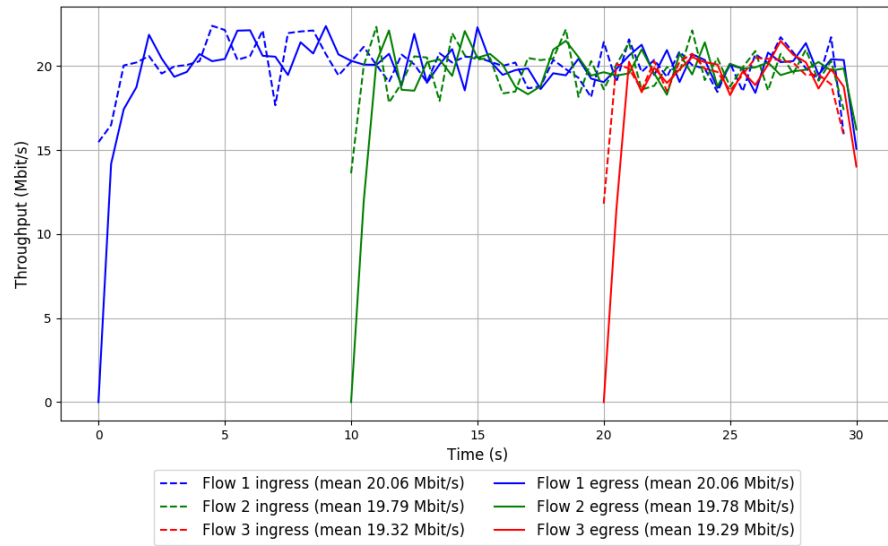


Run 2: Statistics of Sprout

Start at: 2018-06-30 14:44:03
End at: 2018-06-30 14:44:33
Local clock offset: 1.719 ms
Remote clock offset: -9.649 ms

```
# Below is generated by plot.py at 2018-06-30 17:51:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 27.202 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 20.06 Mbit/s
95th percentile per-packet one-way delay: 26.610 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 19.78 Mbit/s
95th percentile per-packet one-way delay: 26.958 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 19.29 Mbit/s
95th percentile per-packet one-way delay: 29.028 ms
Loss rate: 0.68%
```


Run 2: Report of Sprout — Data Link

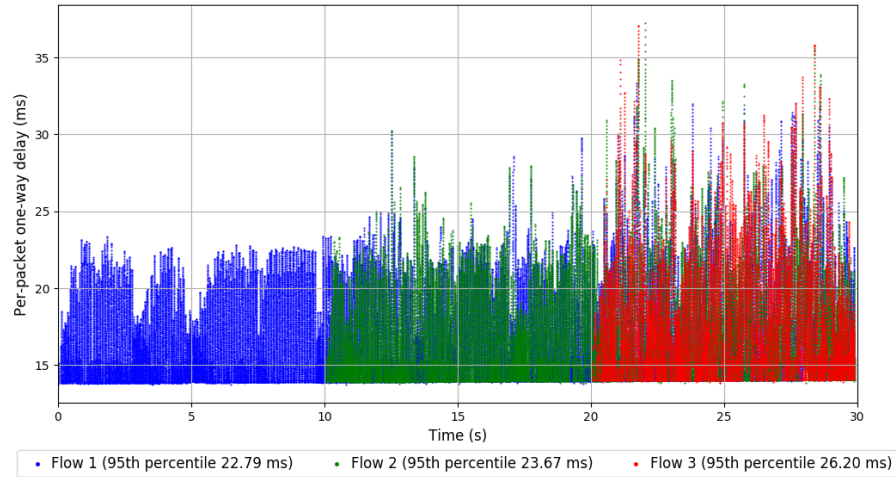
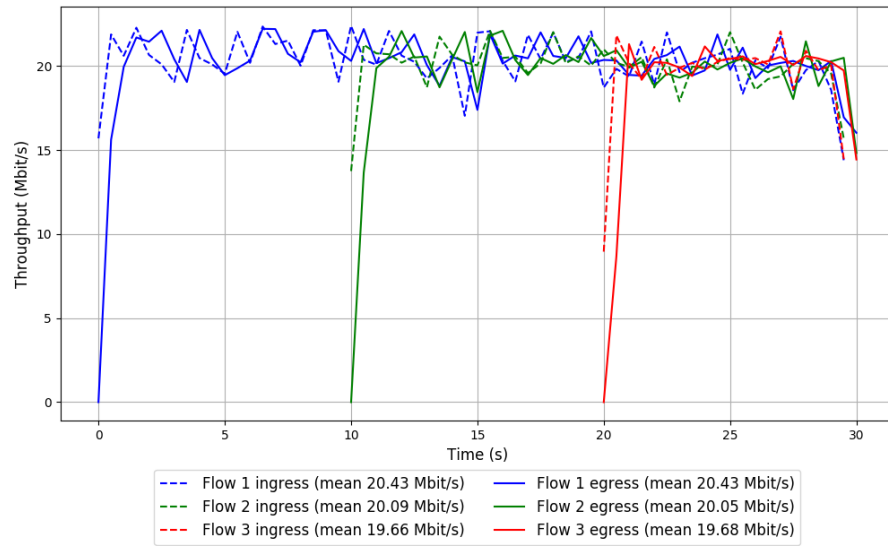


Run 3: Statistics of Sprout

Start at: 2018-06-30 15:04:15
End at: 2018-06-30 15:04:45
Local clock offset: -1.272 ms
Remote clock offset: -11.071 ms

```
# Below is generated by plot.py at 2018-06-30 17:51:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.25 Mbit/s
95th percentile per-packet one-way delay: 23.808 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 20.43 Mbit/s
95th percentile per-packet one-way delay: 22.786 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.05 Mbit/s
95th percentile per-packet one-way delay: 23.667 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 19.68 Mbit/s
95th percentile per-packet one-way delay: 26.199 ms
Loss rate: 0.09%
```

Run 3: Report of Sprout — Data Link

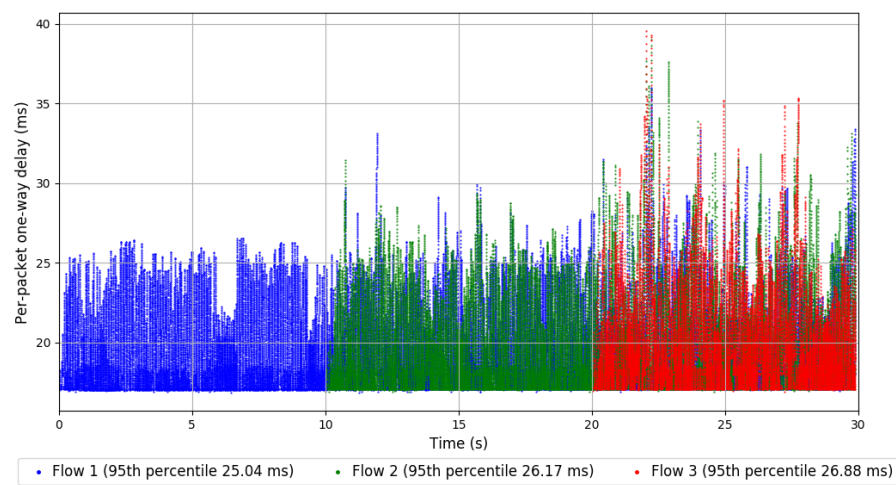
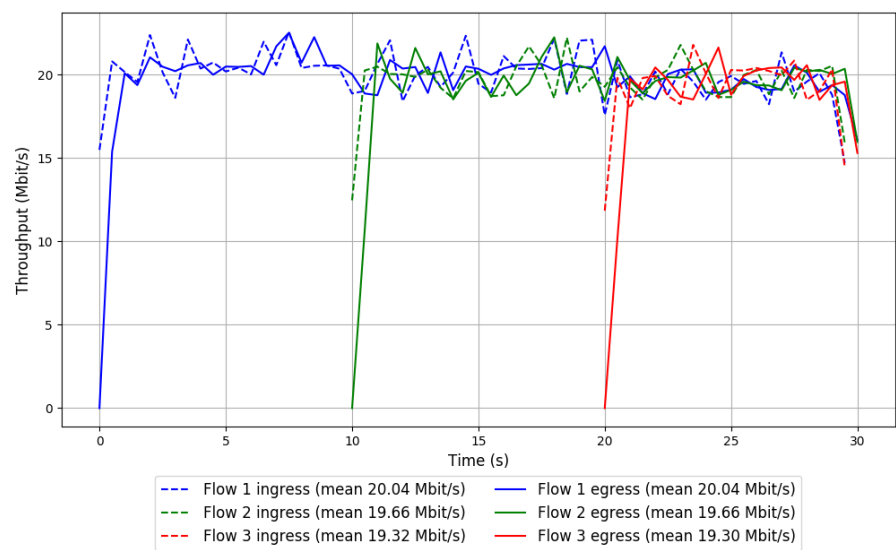


Run 4: Statistics of Sprout

Start at: 2018-06-30 15:24:34
End at: 2018-06-30 15:25:04
Local clock offset: 0.844 ms
Remote clock offset: -7.087 ms

Below is generated by plot.py at 2018-06-30 17:51:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.48 Mbit/s
95th percentile per-packet one-way delay: 25.639 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 20.04 Mbit/s
95th percentile per-packet one-way delay: 25.036 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 19.66 Mbit/s
95th percentile per-packet one-way delay: 26.166 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 19.30 Mbit/s
95th percentile per-packet one-way delay: 26.878 ms
Loss rate: 0.06%

Run 4: Report of Sprout — Data Link

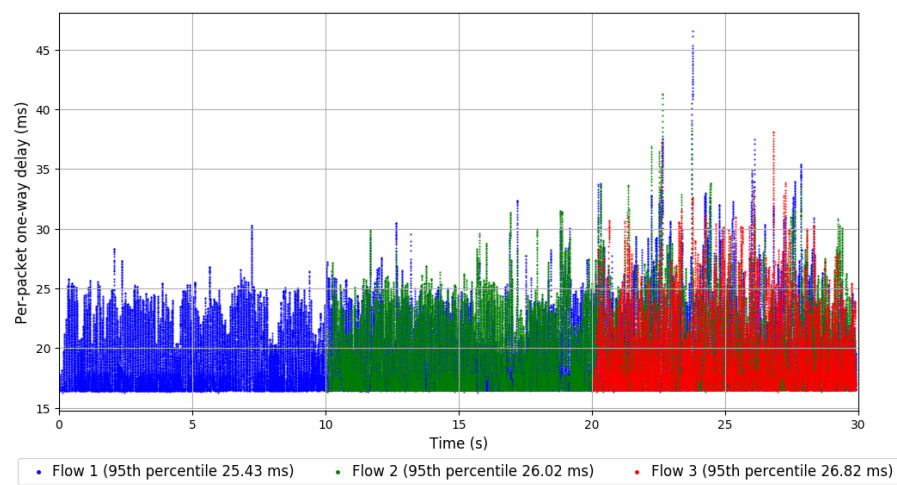
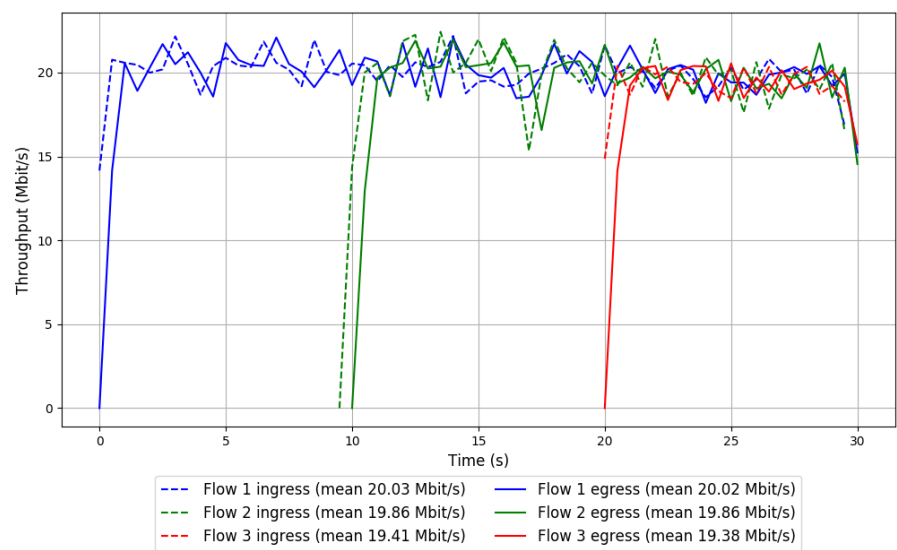


Run 5: Statistics of Sprout

Start at: 2018-06-30 15:45:19
End at: 2018-06-30 15:45:49
Local clock offset: -0.244 ms
Remote clock offset: -2.103 ms

Below is generated by plot.py at 2018-06-30 17:51:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 25.903 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 20.02 Mbit/s
95th percentile per-packet one-way delay: 25.427 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 19.86 Mbit/s
95th percentile per-packet one-way delay: 26.016 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 19.38 Mbit/s
95th percentile per-packet one-way delay: 26.823 ms
Loss rate: 0.75%

Run 5: Report of Sprout — Data Link

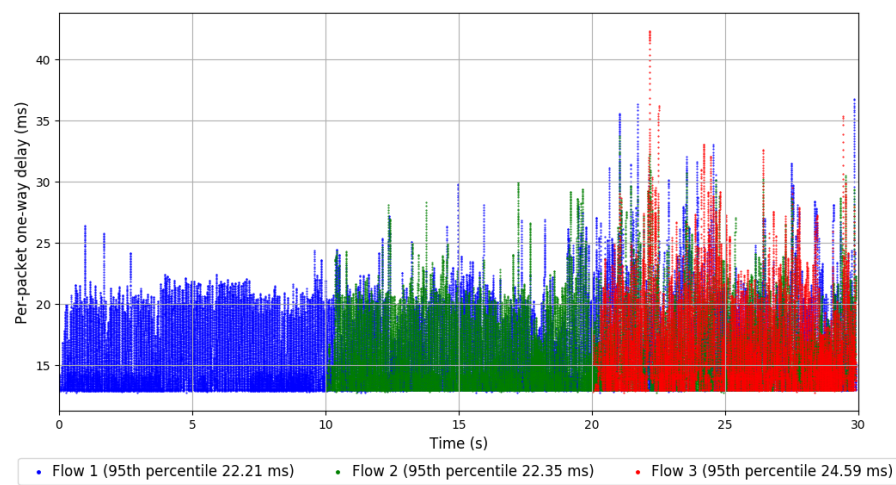
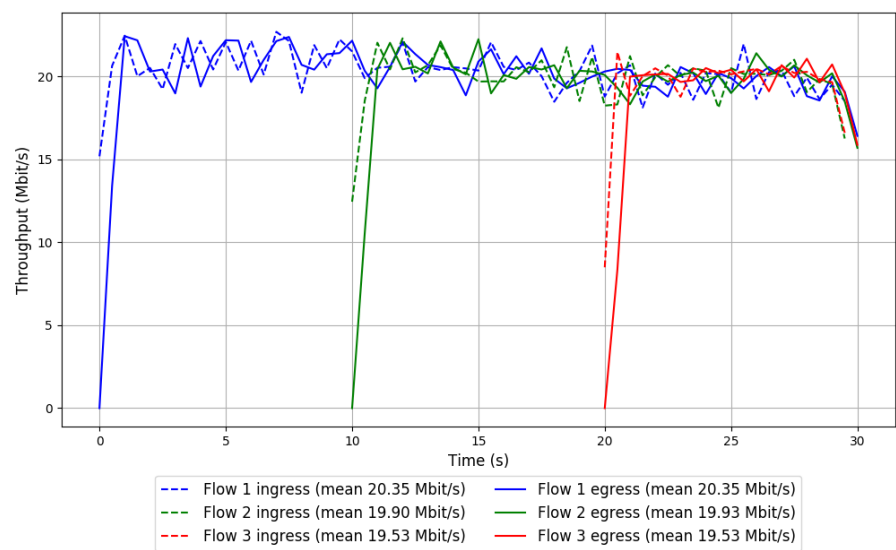


Run 6: Statistics of Sprout

Start at: 2018-06-30 16:06:30
End at: 2018-06-30 16:07:00
Local clock offset: -1.971 ms
Remote clock offset: 2.221 ms

```
# Below is generated by plot.py at 2018-06-30 17:51:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 22.760 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 20.35 Mbit/s
95th percentile per-packet one-way delay: 22.208 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 19.93 Mbit/s
95th percentile per-packet one-way delay: 22.354 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 19.53 Mbit/s
95th percentile per-packet one-way delay: 24.585 ms
Loss rate: 0.53%
```


Run 6: Report of Sprout — Data Link

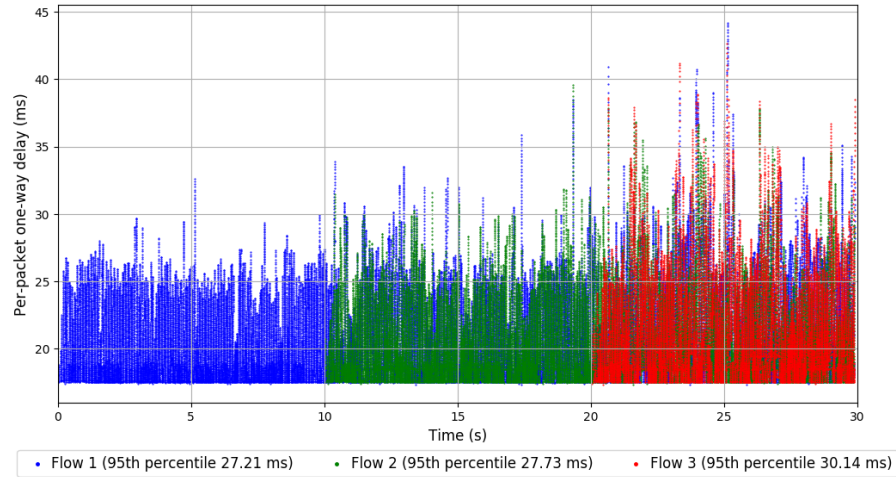
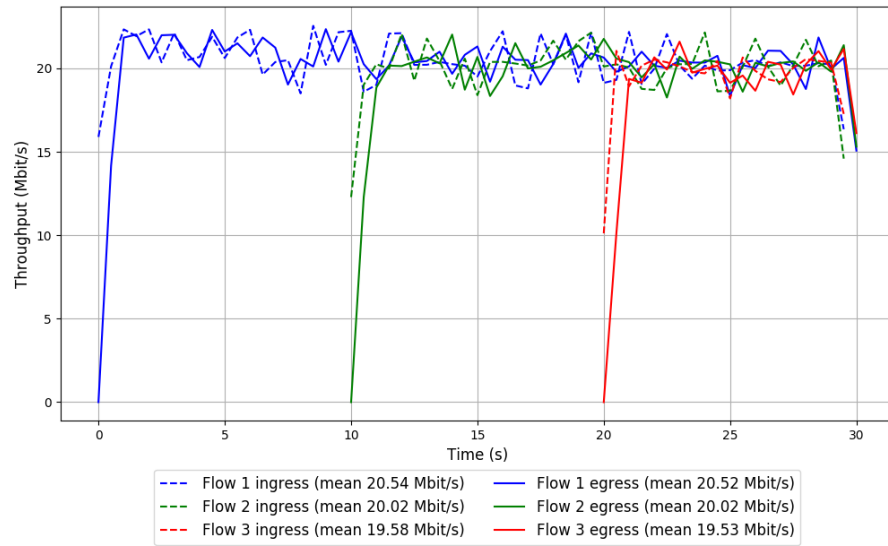


Run 7: Statistics of Sprout

Start at: 2018-06-30 16:26:51
End at: 2018-06-30 16:27:21
Local clock offset: 3.162 ms
Remote clock offset: 0.858 ms

```
# Below is generated by plot.py at 2018-06-30 17:51:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.29 Mbit/s
95th percentile per-packet one-way delay: 27.879 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 20.52 Mbit/s
95th percentile per-packet one-way delay: 27.215 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 20.02 Mbit/s
95th percentile per-packet one-way delay: 27.733 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 19.53 Mbit/s
95th percentile per-packet one-way delay: 30.143 ms
Loss rate: 0.38%
```

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-06-30 16:46:54

End at: 2018-06-30 16:47:24

Local clock offset: 0.738 ms

Remote clock offset: 0.459 ms

Below is generated by plot.py at 2018-06-30 17:51:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.25 Mbit/s

95th percentile per-packet one-way delay: 25.576 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 20.37 Mbit/s

95th percentile per-packet one-way delay: 25.049 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.14 Mbit/s

95th percentile per-packet one-way delay: 25.864 ms

Loss rate: 0.13%

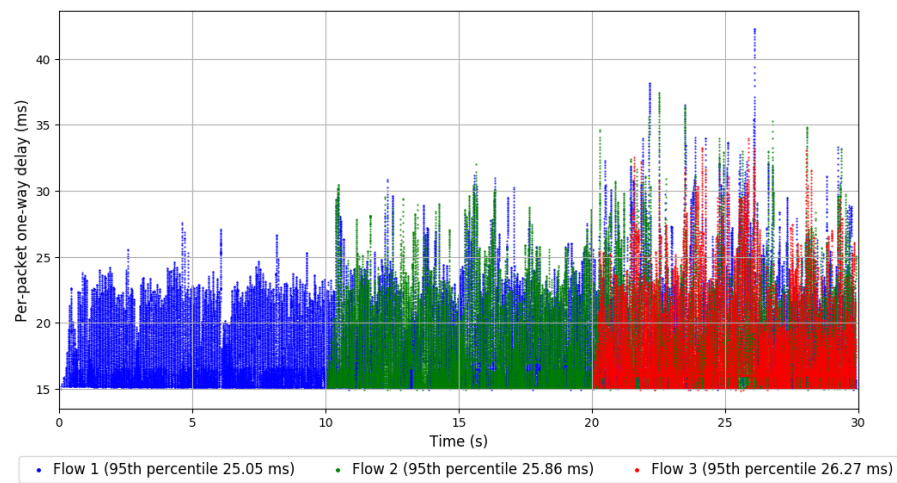
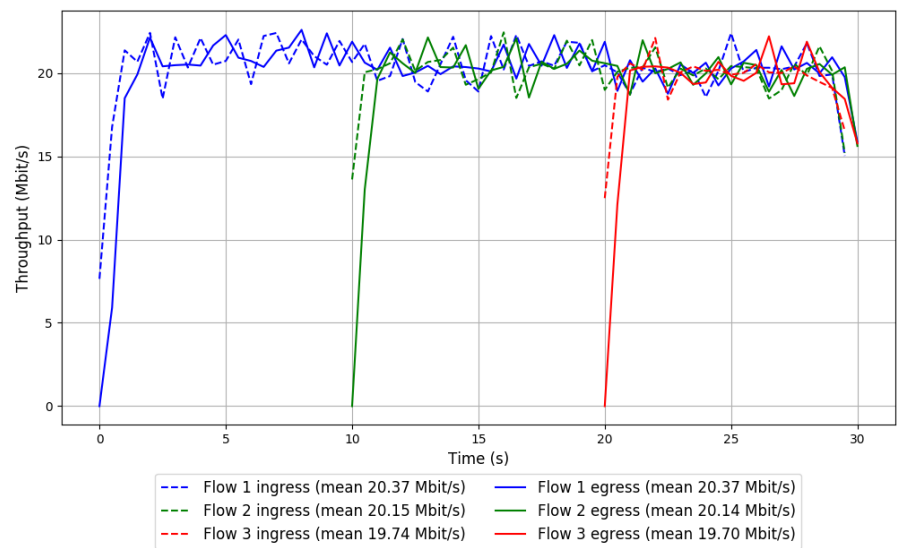
-- Flow 3:

Average throughput: 19.70 Mbit/s

95th percentile per-packet one-way delay: 26.272 ms

Loss rate: 0.45%

Run 8: Report of Sprout — Data Link

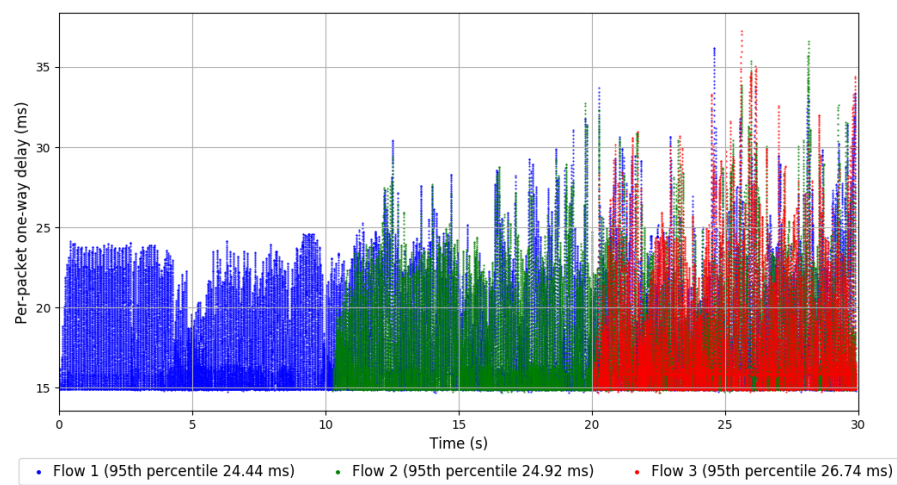
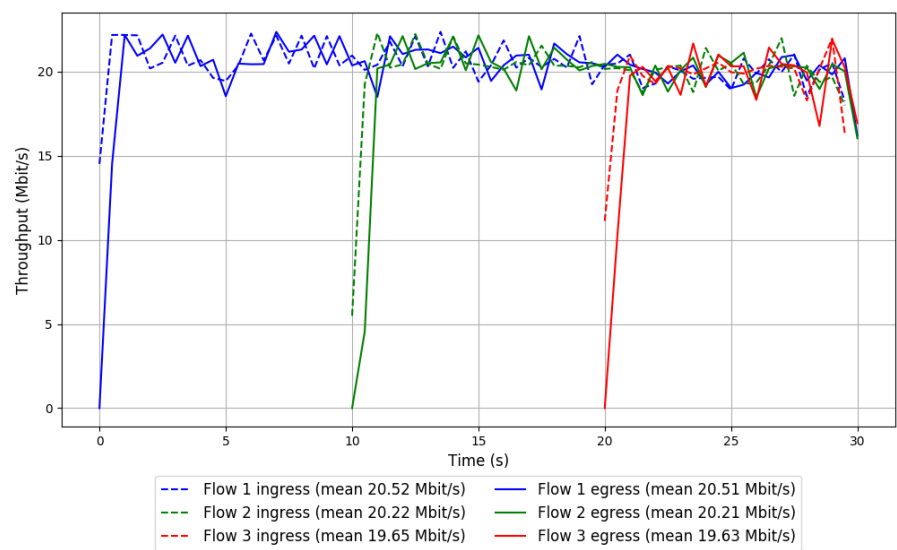


Run 9: Statistics of Sprout

Start at: 2018-06-30 17:06:40
End at: 2018-06-30 17:07:10
Local clock offset: -0.103 ms
Remote clock offset: -2.025 ms

Below is generated by plot.py at 2018-06-30 17:51:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.25 Mbit/s
95th percentile per-packet one-way delay: 25.027 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 20.51 Mbit/s
95th percentile per-packet one-way delay: 24.442 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 20.21 Mbit/s
95th percentile per-packet one-way delay: 24.919 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 19.63 Mbit/s
95th percentile per-packet one-way delay: 26.739 ms
Loss rate: 0.33%

Run 9: Report of Sprout — Data Link

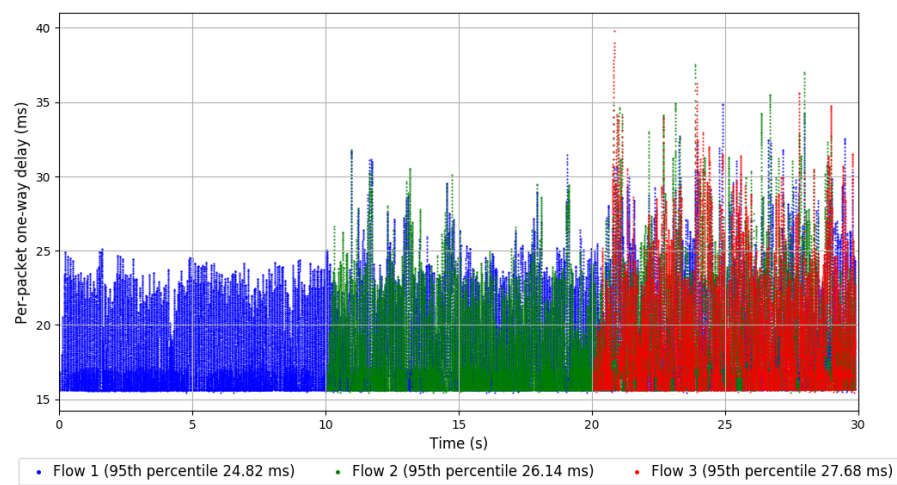
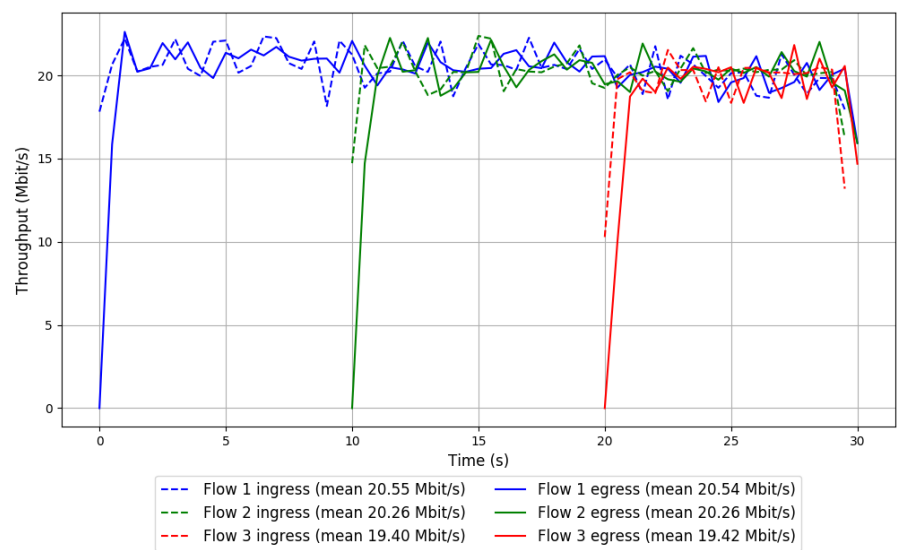


Run 10: Statistics of Sprout

Start at: 2018-06-30 17:26:49
End at: 2018-06-30 17:27:19
Local clock offset: -0.016 ms
Remote clock offset: -1.605 ms

Below is generated by plot.py at 2018-06-30 17:51:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.40 Mbit/s
95th percentile per-packet one-way delay: 25.799 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 20.54 Mbit/s
95th percentile per-packet one-way delay: 24.815 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 20.26 Mbit/s
95th percentile per-packet one-way delay: 26.138 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 19.42 Mbit/s
95th percentile per-packet one-way delay: 27.682 ms
Loss rate: 0.09%

Run 10: Report of Sprout — Data Link

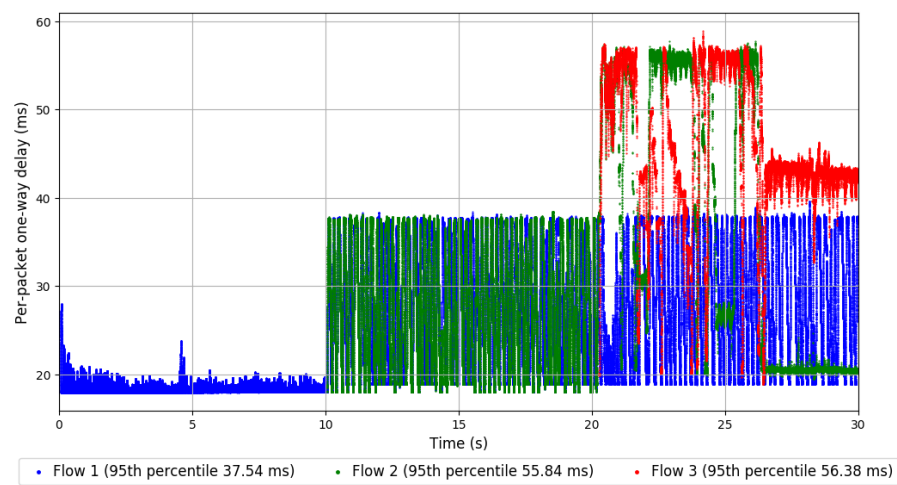
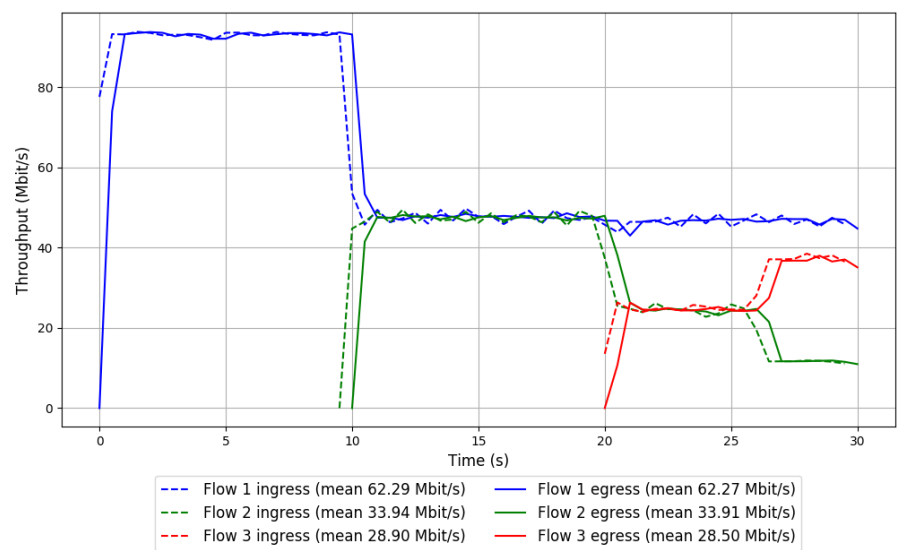


Run 1: Statistics of TaoVA-100x

Start at: 2018-06-30 14:24:49
End at: 2018-06-30 14:25:19
Local clock offset: 1.763 ms
Remote clock offset: -1.159 ms

Below is generated by plot.py at 2018-06-30 17:53:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.32 Mbit/s
95th percentile per-packet one-way delay: 53.619 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 62.27 Mbit/s
95th percentile per-packet one-way delay: 37.537 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 33.91 Mbit/s
95th percentile per-packet one-way delay: 55.838 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 28.50 Mbit/s
95th percentile per-packet one-way delay: 56.379 ms
Loss rate: 1.74%

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

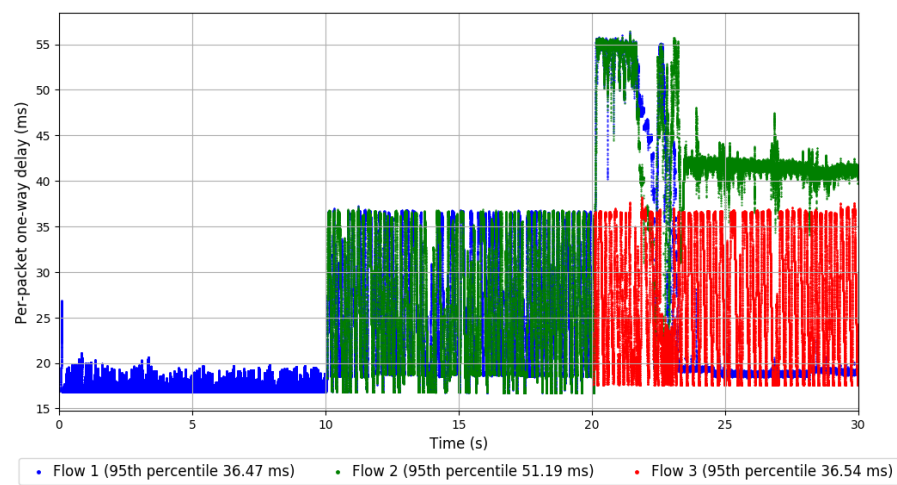
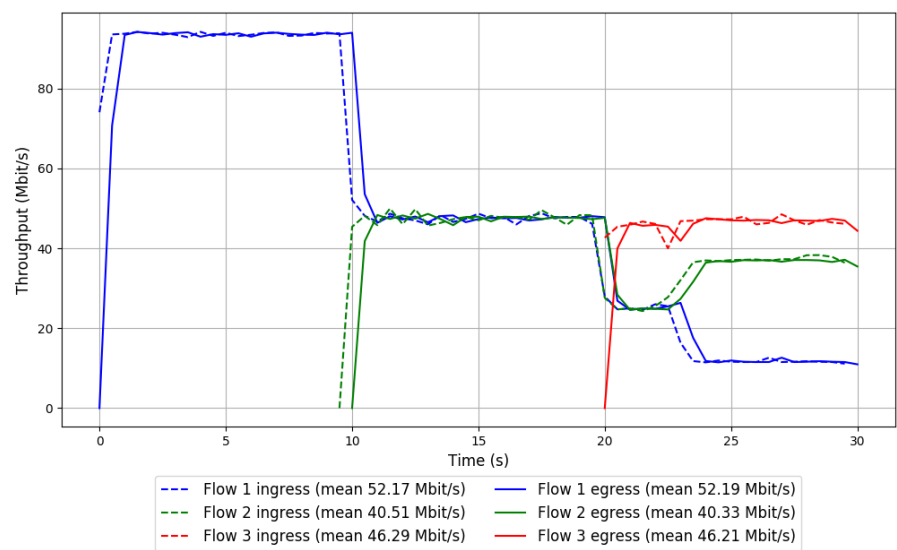


Run 2: Statistics of TaoVA-100x

Start at: 2018-06-30 14:45:10
End at: 2018-06-30 14:45:40
Local clock offset: 0.102 ms
Remote clock offset: -10.676 ms

Below is generated by plot.py at 2018-06-30 17:53:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 42.261 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 52.19 Mbit/s
95th percentile per-packet one-way delay: 36.474 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 40.33 Mbit/s
95th percentile per-packet one-way delay: 51.193 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 46.21 Mbit/s
95th percentile per-packet one-way delay: 36.539 ms
Loss rate: 0.40%

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

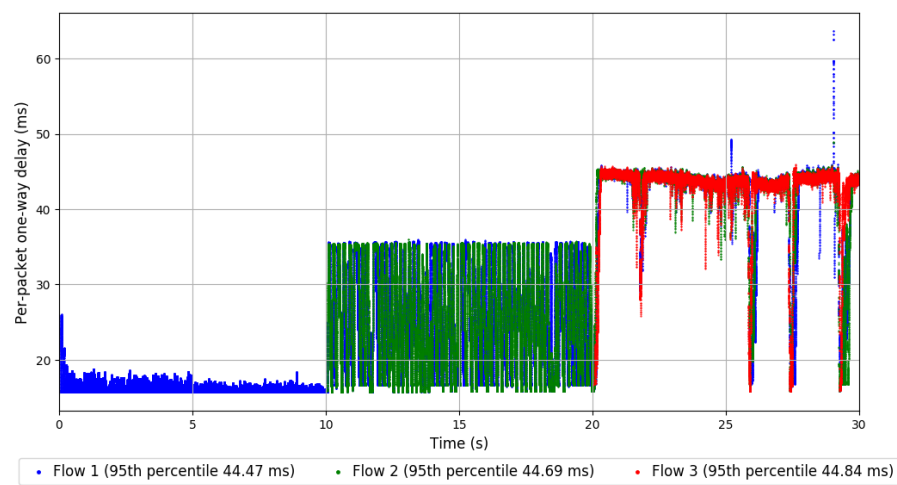
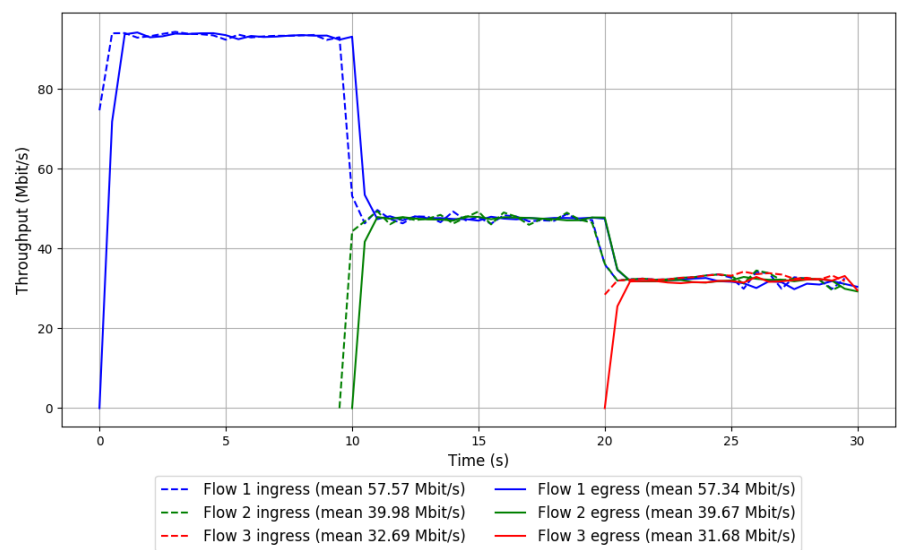


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-30 15:05:24
End at: 2018-06-30 15:05:54
Local clock offset: 1.046 ms
Remote clock offset: -10.176 ms

Below is generated by plot.py at 2018-06-30 17:53:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.27 Mbit/s
95th percentile per-packet one-way delay: 44.631 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 57.34 Mbit/s
95th percentile per-packet one-way delay: 44.470 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 44.687 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 44.839 ms
Loss rate: 3.45%

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

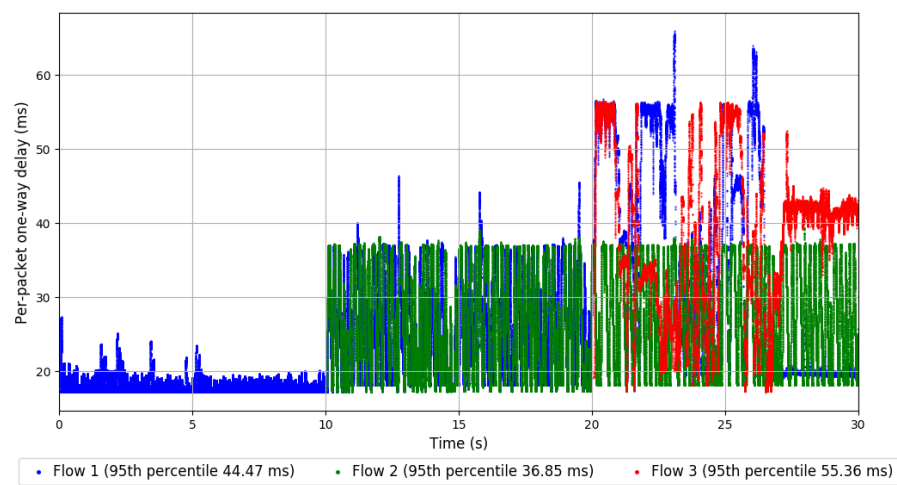
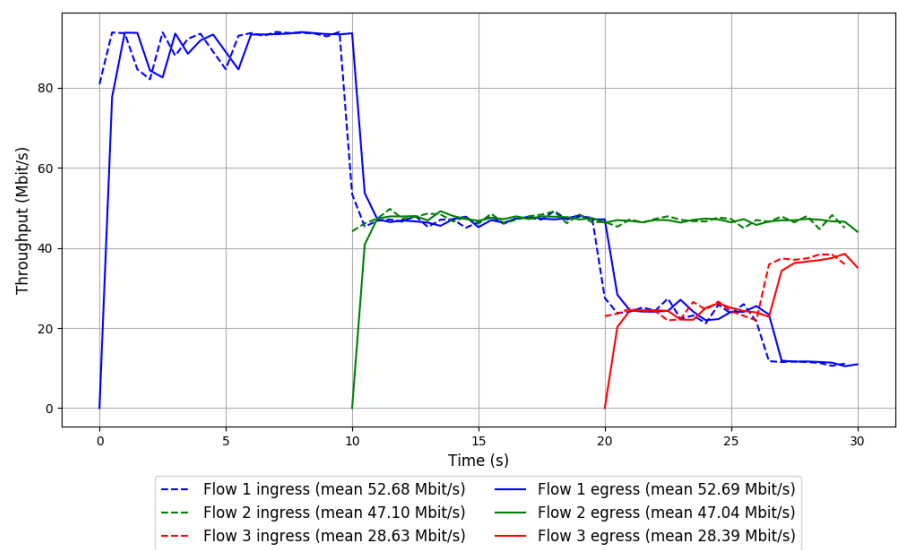


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-30 15:25:43
End at: 2018-06-30 15:26:13
Local clock offset: 0.537 ms
Remote clock offset: -7.477 ms

Below is generated by plot.py at 2018-06-30 17:53:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.44 Mbit/s
95th percentile per-packet one-way delay: 43.978 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 52.69 Mbit/s
95th percentile per-packet one-way delay: 44.466 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 47.04 Mbit/s
95th percentile per-packet one-way delay: 36.853 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 28.39 Mbit/s
95th percentile per-packet one-way delay: 55.363 ms
Loss rate: 1.17%

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

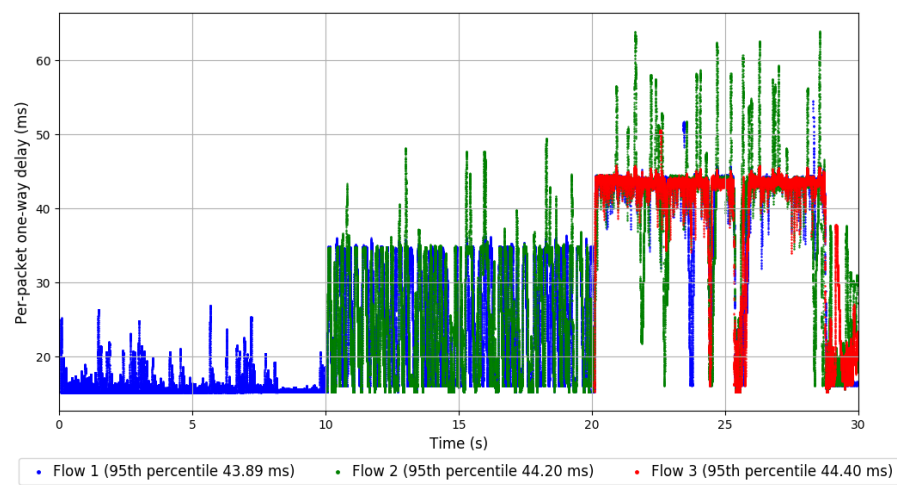
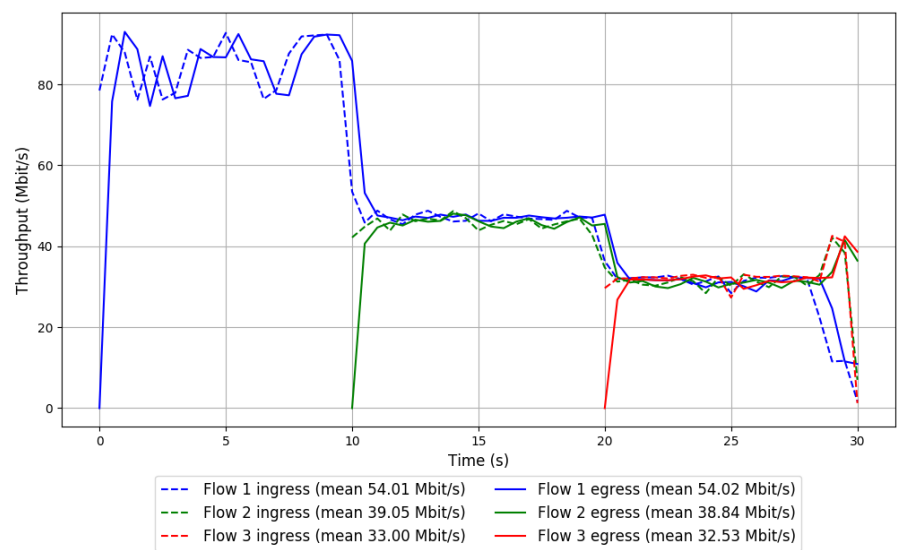


Run 5: Statistics of TaoVA-100x

Start at: 2018-06-30 15:46:29
End at: 2018-06-30 15:46:59
Local clock offset: -1.312 ms
Remote clock offset: -1.693 ms

Below is generated by plot.py at 2018-06-30 17:53:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.67 Mbit/s
95th percentile per-packet one-way delay: 44.064 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 54.02 Mbit/s
95th percentile per-packet one-way delay: 43.894 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 38.84 Mbit/s
95th percentile per-packet one-way delay: 44.203 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 32.53 Mbit/s
95th percentile per-packet one-way delay: 44.404 ms
Loss rate: 2.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-30 16:07:38

End at: 2018-06-30 16:08:08

Local clock offset: 2.537 ms

Remote clock offset: 2.287 ms

Below is generated by plot.py at 2018-06-30 17:53:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.28 Mbit/s

95th percentile per-packet one-way delay: 48.147 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 53.49 Mbit/s

95th percentile per-packet one-way delay: 46.558 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 38.33 Mbit/s

95th percentile per-packet one-way delay: 48.797 ms

Loss rate: 0.92%

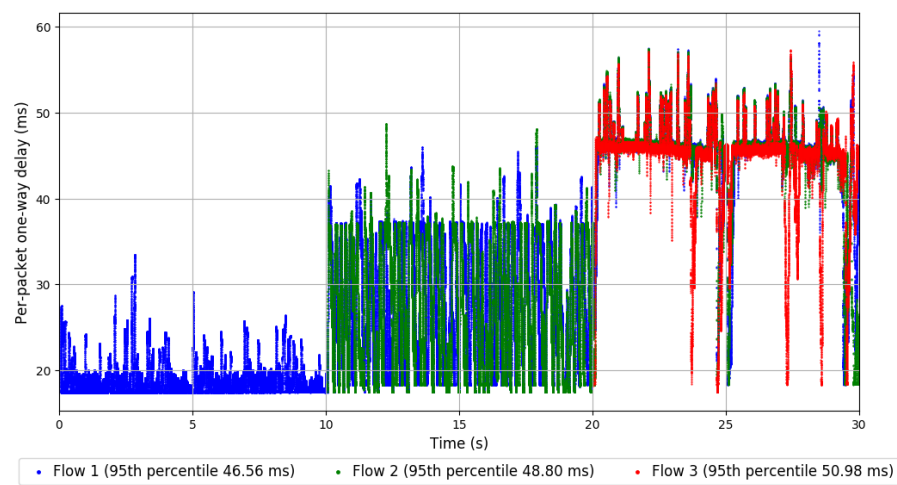
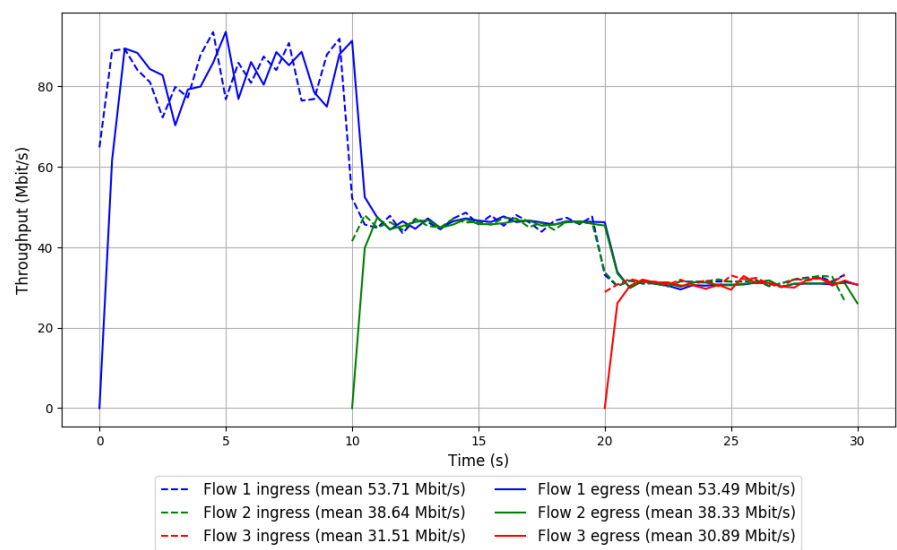
-- Flow 3:

Average throughput: 30.89 Mbit/s

95th percentile per-packet one-way delay: 50.977 ms

Loss rate: 2.35%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-06-30 16:27:59

End at: 2018-06-30 16:28:29

Local clock offset: 2.074 ms

Remote clock offset: 0.333 ms

Below is generated by plot.py at 2018-06-30 17:53:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.03 Mbit/s

95th percentile per-packet one-way delay: 54.246 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 54.84 Mbit/s

95th percentile per-packet one-way delay: 36.590 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 32.34 Mbit/s

95th percentile per-packet one-way delay: 55.093 ms

Loss rate: 0.22%

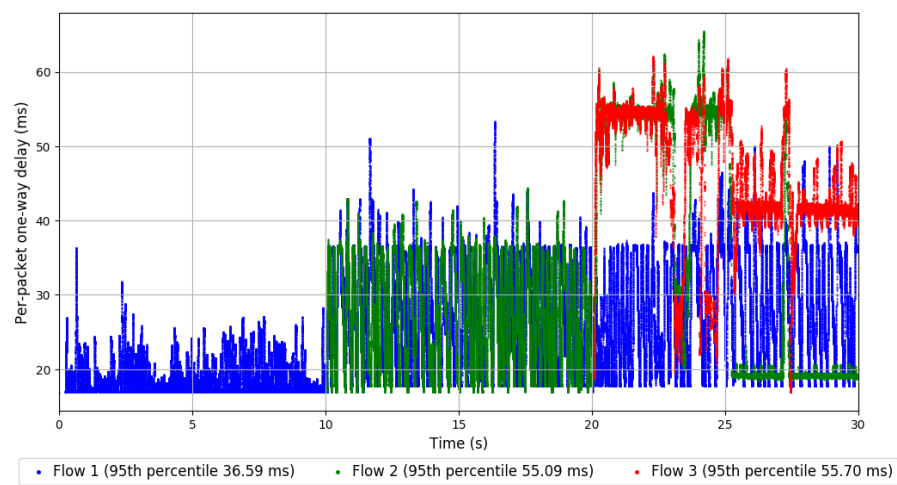
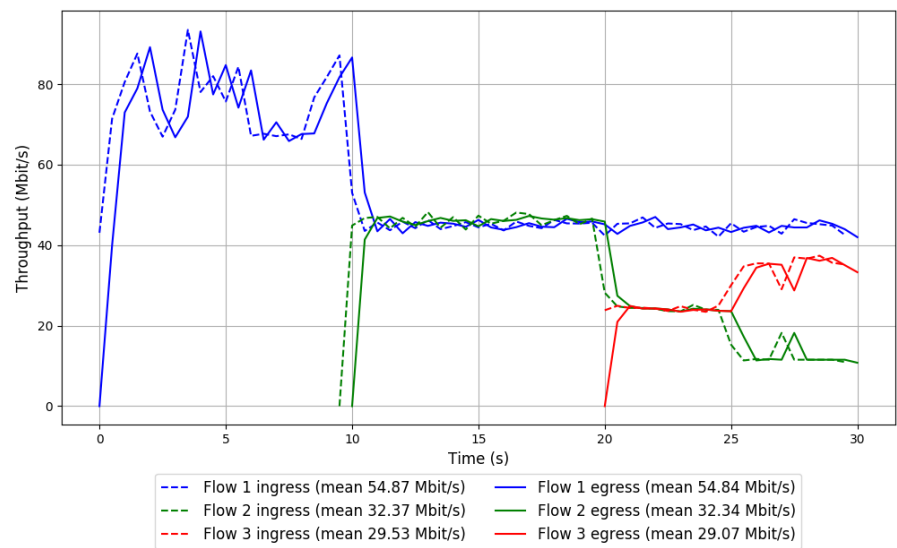
-- Flow 3:

Average throughput: 29.07 Mbit/s

95th percentile per-packet one-way delay: 55.702 ms

Loss rate: 1.90%

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

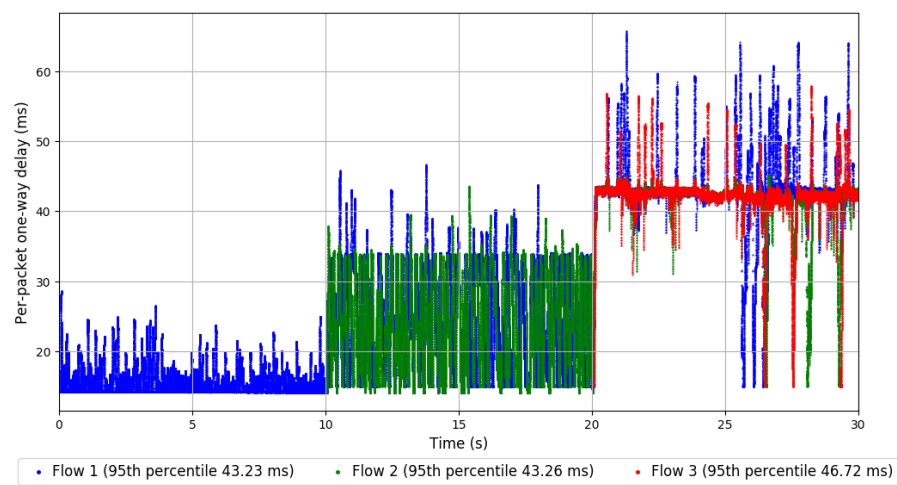
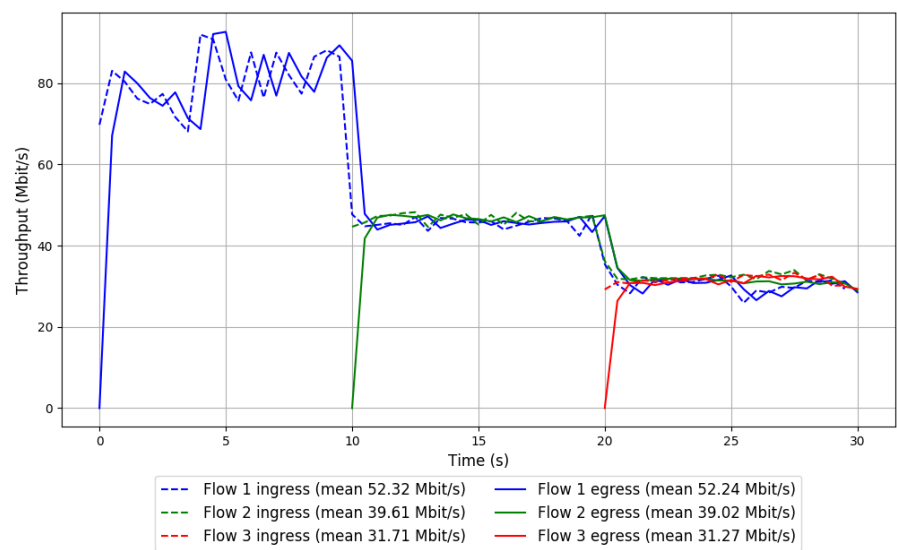


Run 8: Statistics of TaoVA-100x

Start at: 2018-06-30 16:48:02
End at: 2018-06-30 16:48:32
Local clock offset: -0.532 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-06-30 17:53:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.61 Mbit/s
95th percentile per-packet one-way delay: 43.372 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 52.24 Mbit/s
95th percentile per-packet one-way delay: 43.232 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 39.02 Mbit/s
95th percentile per-packet one-way delay: 43.258 ms
Loss rate: 1.61%
-- Flow 3:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 46.719 ms
Loss rate: 1.68%

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

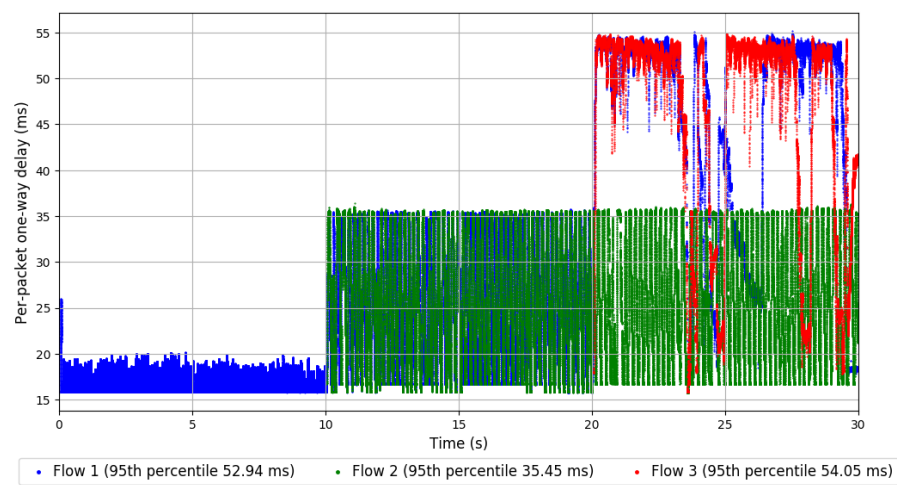
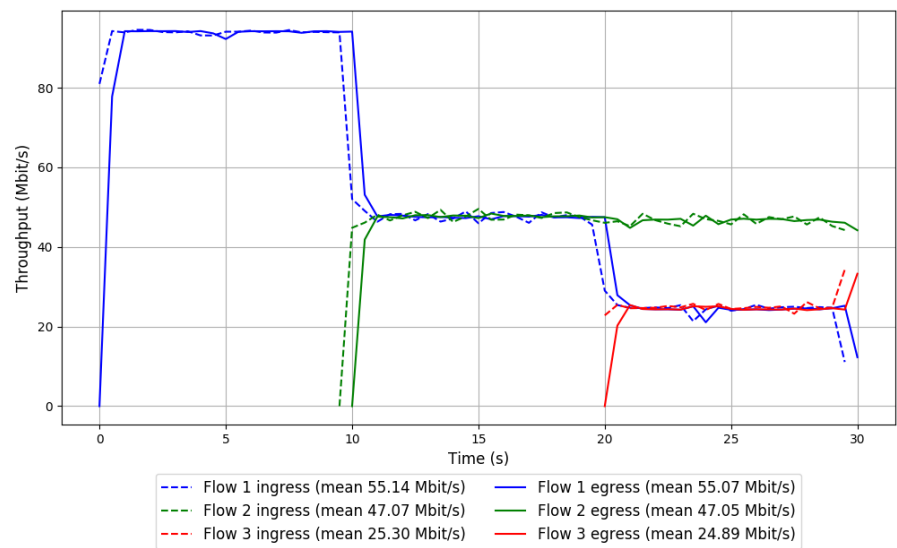


Run 9: Statistics of TaoVA-100x

Start at: 2018-06-30 17:07:48
End at: 2018-06-30 17:08:18
Local clock offset: 0.701 ms
Remote clock offset: -2.197 ms

Below is generated by plot.py at 2018-06-30 17:55:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.68 Mbit/s
95th percentile per-packet one-way delay: 53.135 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 55.07 Mbit/s
95th percentile per-packet one-way delay: 52.936 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 47.05 Mbit/s
95th percentile per-packet one-way delay: 35.454 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 54.048 ms
Loss rate: 1.94%

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

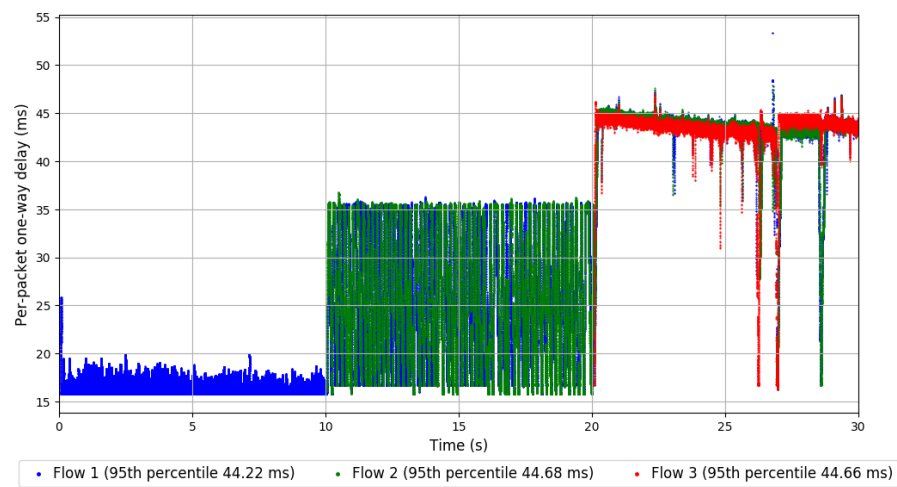
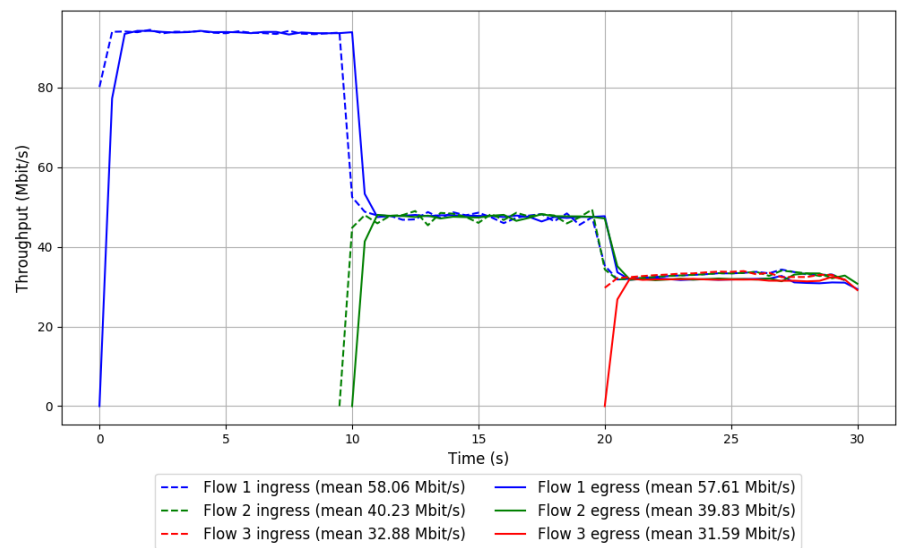


Run 10: Statistics of TaoVA-100x

Start at: 2018-06-30 17:27:58
End at: 2018-06-30 17:28:28
Local clock offset: -0.068 ms
Remote clock offset: -1.732 ms

Below is generated by plot.py at 2018-06-30 17:55:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.62 Mbit/s
95th percentile per-packet one-way delay: 44.507 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 57.61 Mbit/s
95th percentile per-packet one-way delay: 44.224 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 39.83 Mbit/s
95th percentile per-packet one-way delay: 44.684 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 31.59 Mbit/s
95th percentile per-packet one-way delay: 44.656 ms
Loss rate: 4.30%

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

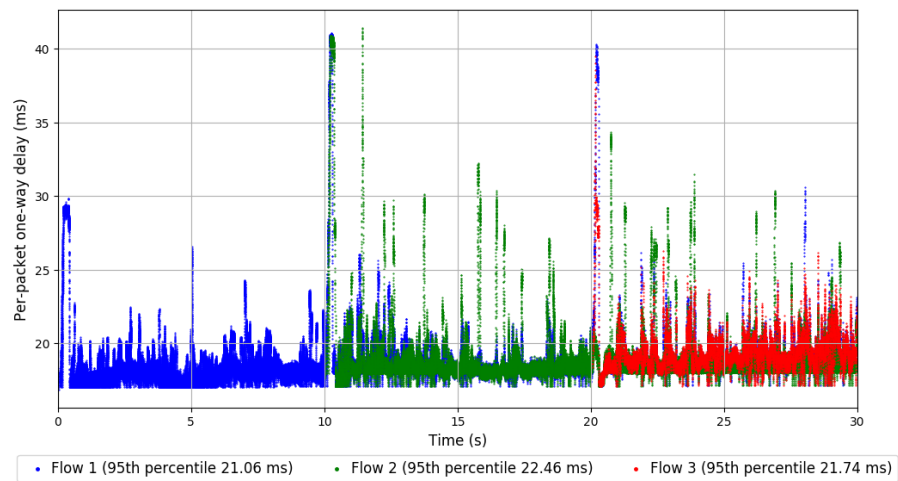
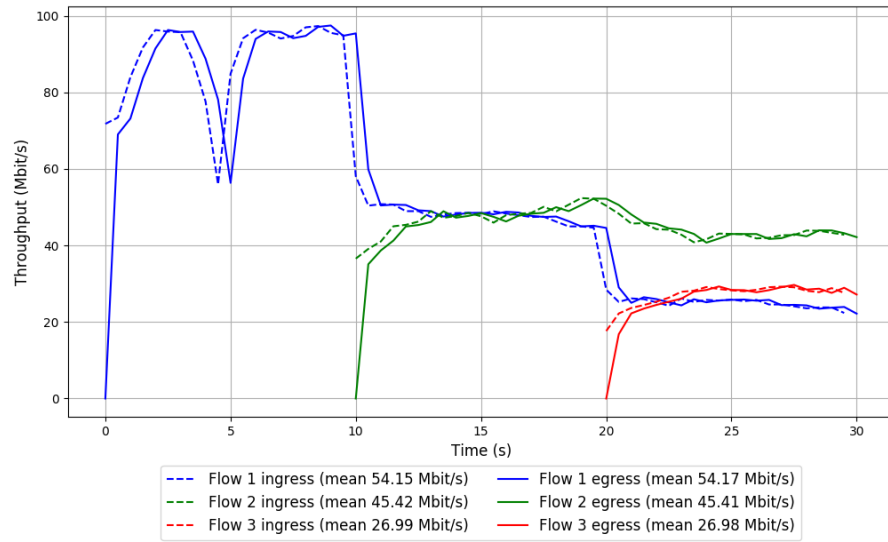


Run 1: Statistics of TCP Vegas

Start at: 2018-06-30 14:19:49
End at: 2018-06-30 14:20:20
Local clock offset: 1.646 ms
Remote clock offset: -1.367 ms

Below is generated by plot.py at 2018-06-30 17:55:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.35 Mbit/s
95th percentile per-packet one-way delay: 21.536 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 54.17 Mbit/s
95th percentile per-packet one-way delay: 21.056 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 45.41 Mbit/s
95th percentile per-packet one-way delay: 22.463 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 26.98 Mbit/s
95th percentile per-packet one-way delay: 21.740 ms
Loss rate: 0.28%

Run 1: Report of TCP Vegas — Data Link

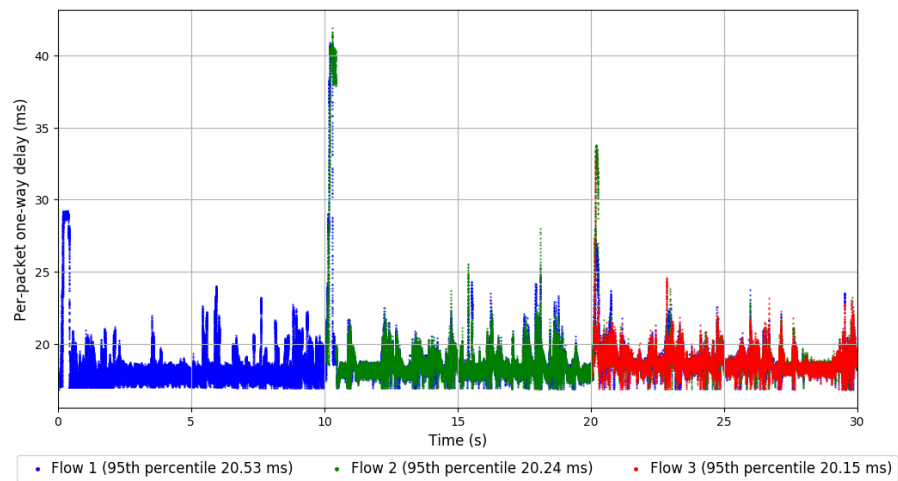
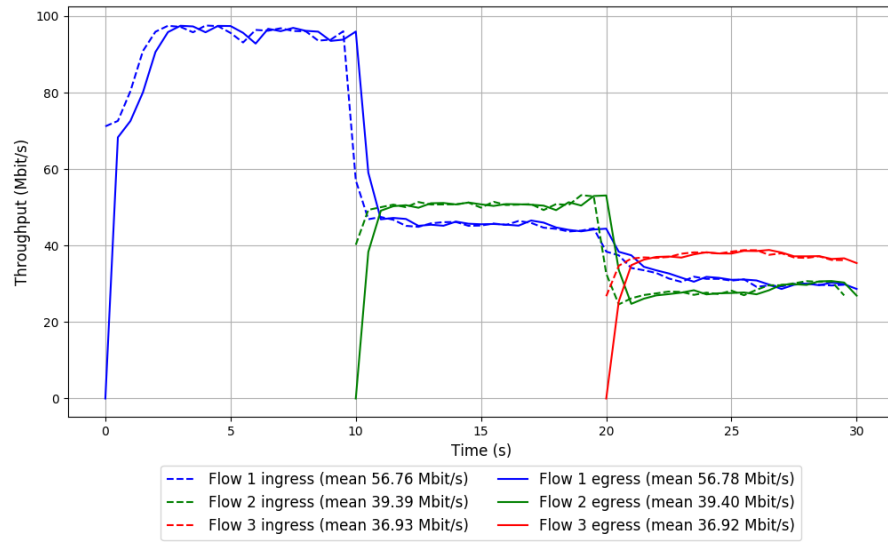


Run 2: Statistics of TCP Vegas

Start at: 2018-06-30 14:40:23
End at: 2018-06-30 14:40:53
Local clock offset: 0.818 ms
Remote clock offset: -8.676 ms

Below is generated by plot.py at 2018-06-30 17:55:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.26 Mbit/s
95th percentile per-packet one-way delay: 20.377 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 56.78 Mbit/s
95th percentile per-packet one-way delay: 20.531 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 20.239 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 36.92 Mbit/s
95th percentile per-packet one-way delay: 20.149 ms
Loss rate: 0.27%

Run 2: Report of TCP Vegas — Data Link

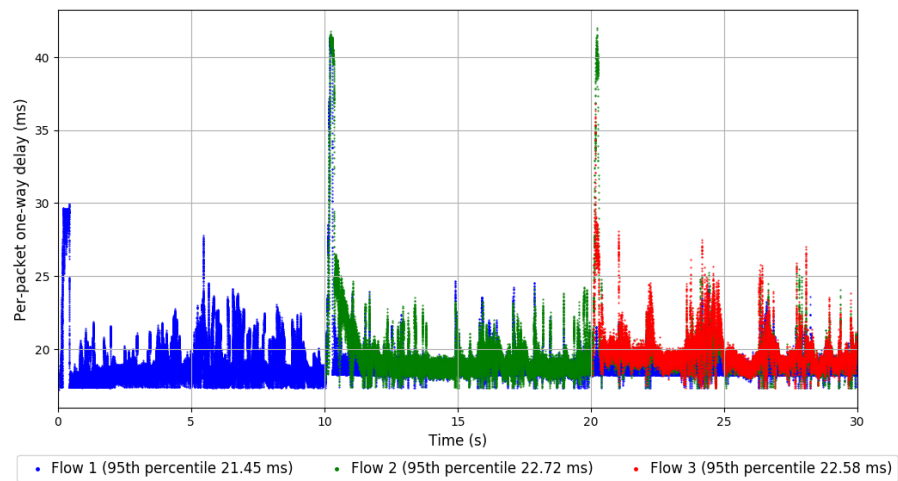
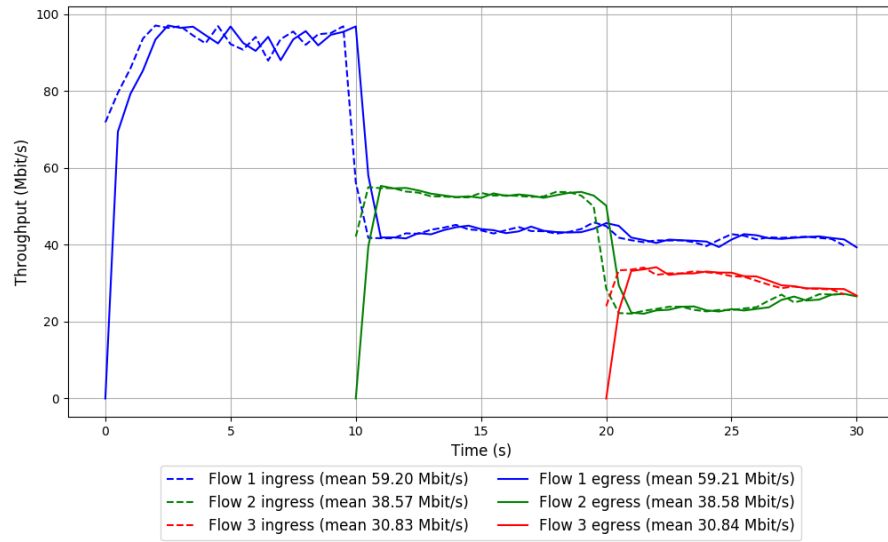


Run 3: Statistics of TCP Vegas

Start at: 2018-06-30 15:00:39
End at: 2018-06-30 15:01:09
Local clock offset: 1.974 ms
Remote clock offset: -11.864 ms

Below is generated by plot.py at 2018-06-30 17:55:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.14 Mbit/s
95th percentile per-packet one-way delay: 21.951 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 59.21 Mbit/s
95th percentile per-packet one-way delay: 21.449 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.58 Mbit/s
95th percentile per-packet one-way delay: 22.723 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 30.84 Mbit/s
95th percentile per-packet one-way delay: 22.579 ms
Loss rate: 0.24%

Run 3: Report of TCP Vegas — Data Link

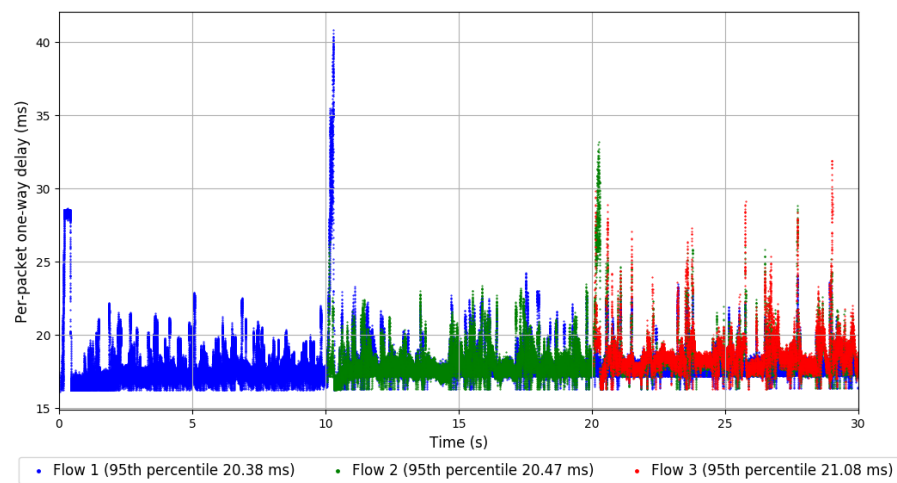
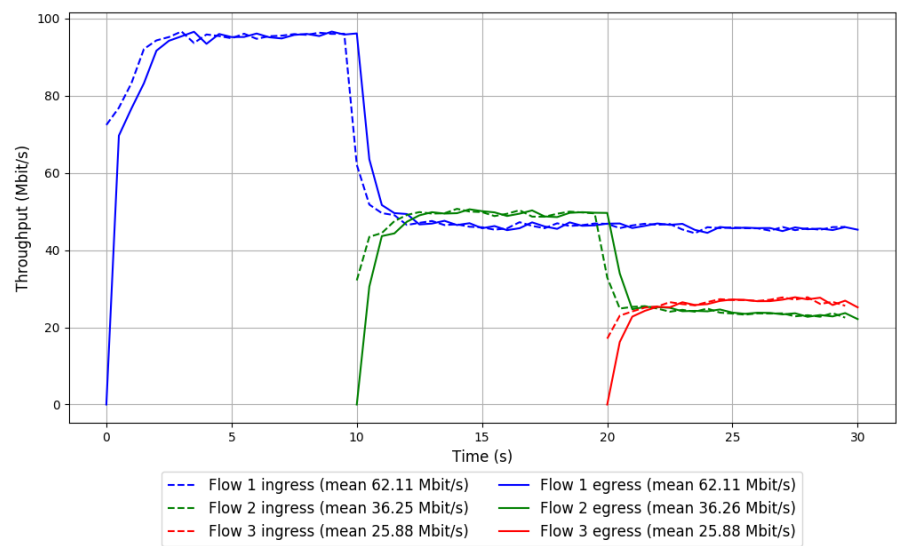


Run 4: Statistics of TCP Vegas

Start at: 2018-06-30 15:20:56
End at: 2018-06-30 15:21:26
Local clock offset: 0.776 ms
Remote clock offset: -7.013 ms

Below is generated by plot.py at 2018-06-30 17:55:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.84 Mbit/s
95th percentile per-packet one-way delay: 20.476 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 62.11 Mbit/s
95th percentile per-packet one-way delay: 20.378 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 36.26 Mbit/s
95th percentile per-packet one-way delay: 20.467 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 25.88 Mbit/s
95th percentile per-packet one-way delay: 21.077 ms
Loss rate: 0.27%

Run 4: Report of TCP Vegas — Data Link

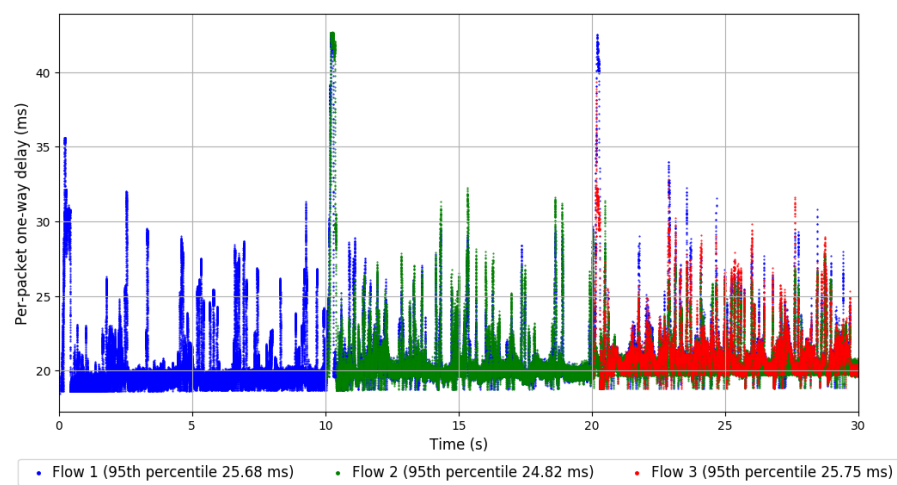
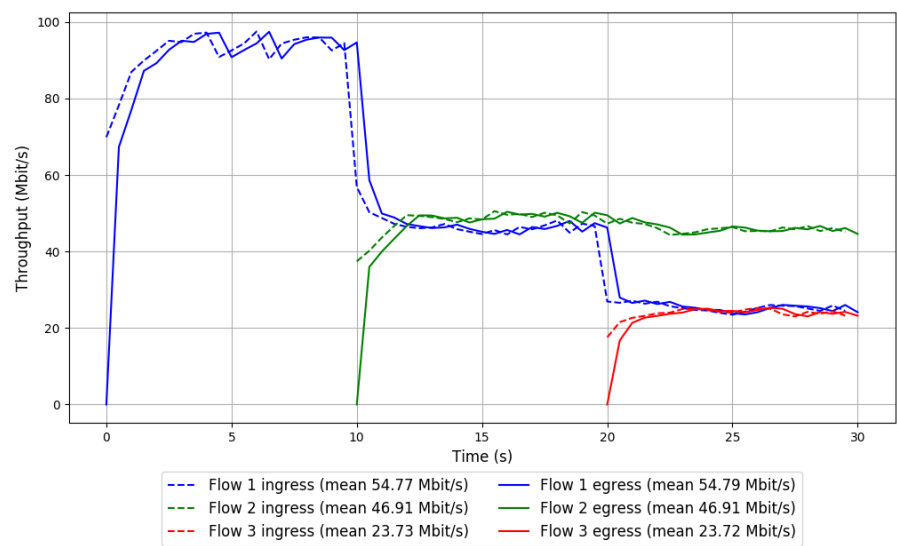


Run 5: Statistics of TCP Vegas

Start at: 2018-06-30 15:41:30
End at: 2018-06-30 15:42:00
Local clock offset: 1.025 ms
Remote clock offset: -4.645 ms

Below is generated by plot.py at 2018-06-30 17:55:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.91 Mbit/s
95th percentile per-packet one-way delay: 25.399 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 54.79 Mbit/s
95th percentile per-packet one-way delay: 25.679 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 46.91 Mbit/s
95th percentile per-packet one-way delay: 24.820 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 23.72 Mbit/s
95th percentile per-packet one-way delay: 25.754 ms
Loss rate: 0.26%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-30 16:02:48

End at: 2018-06-30 16:03:18

Local clock offset: 2.348 ms

Remote clock offset: 1.526 ms

Below is generated by plot.py at 2018-06-30 17:55:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.24 Mbit/s

95th percentile per-packet one-way delay: 24.752 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 55.15 Mbit/s

95th percentile per-packet one-way delay: 24.812 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 44.11 Mbit/s

95th percentile per-packet one-way delay: 24.210 ms

Loss rate: 0.13%

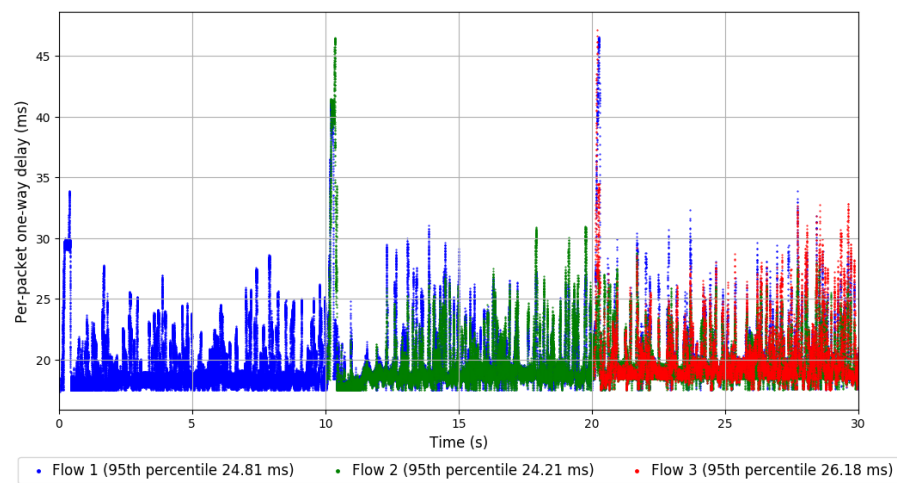
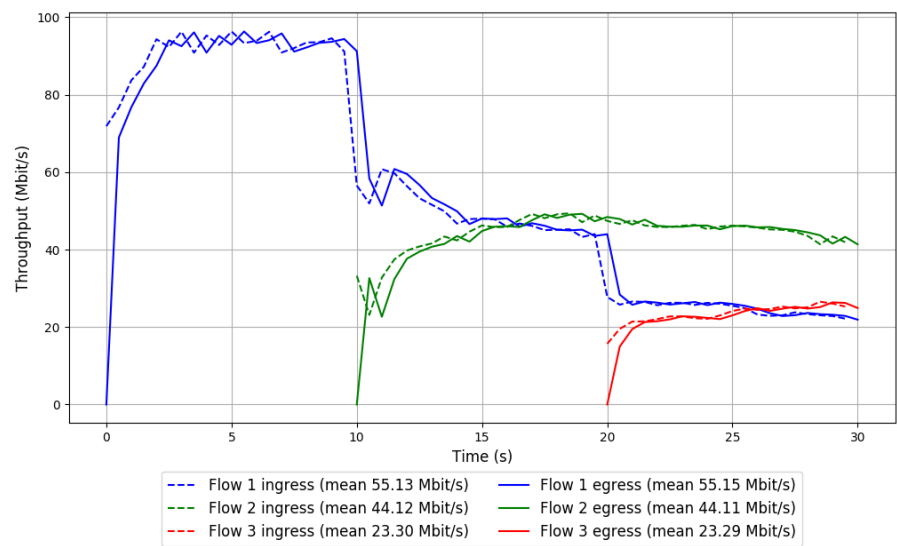
-- Flow 3:

Average throughput: 23.29 Mbit/s

95th percentile per-packet one-way delay: 26.185 ms

Loss rate: 0.32%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-06-30 16:23:05

End at: 2018-06-30 16:23:35

Local clock offset: 1.139 ms

Remote clock offset: 1.875 ms

Below is generated by plot.py at 2018-06-30 17:55:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.27 Mbit/s

95th percentile per-packet one-way delay: 24.300 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 56.59 Mbit/s

95th percentile per-packet one-way delay: 21.825 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 37.21 Mbit/s

95th percentile per-packet one-way delay: 26.996 ms

Loss rate: 0.12%

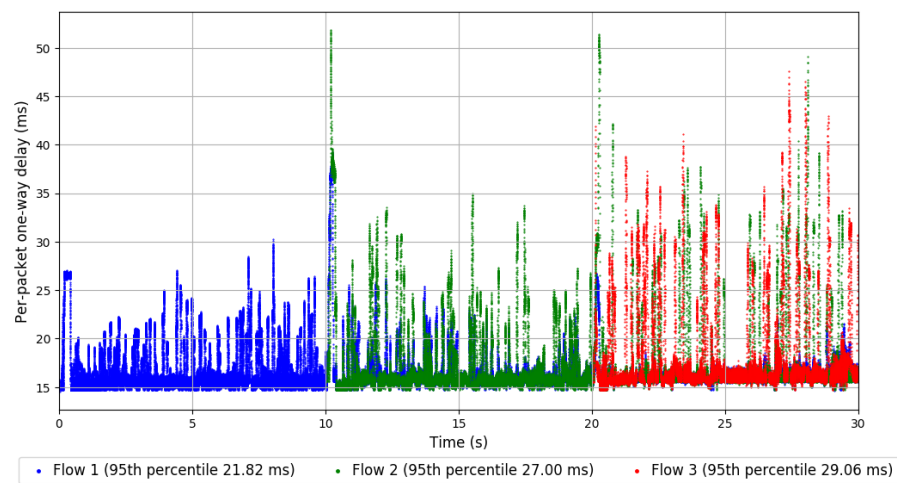
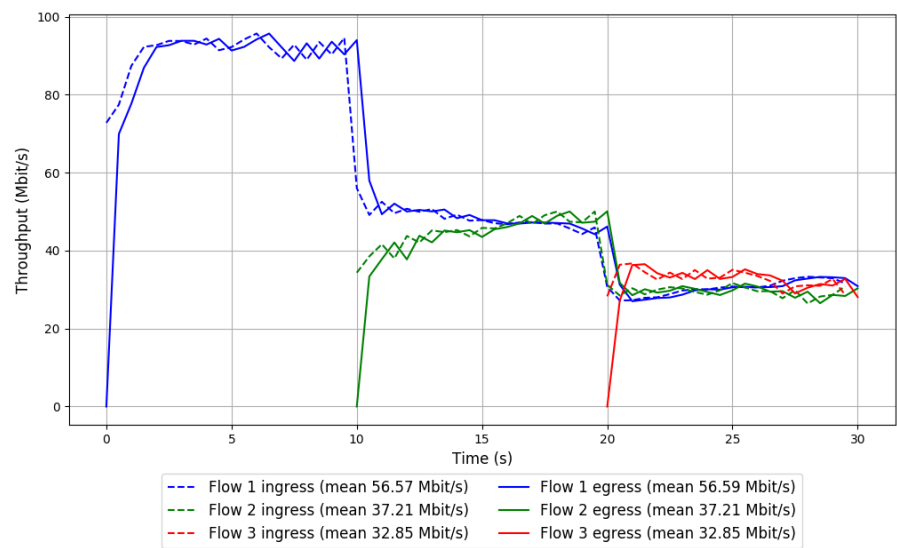
-- Flow 3:

Average throughput: 32.85 Mbit/s

95th percentile per-packet one-way delay: 29.064 ms

Loss rate: 0.25%

Run 7: Report of TCP Vegas — Data Link

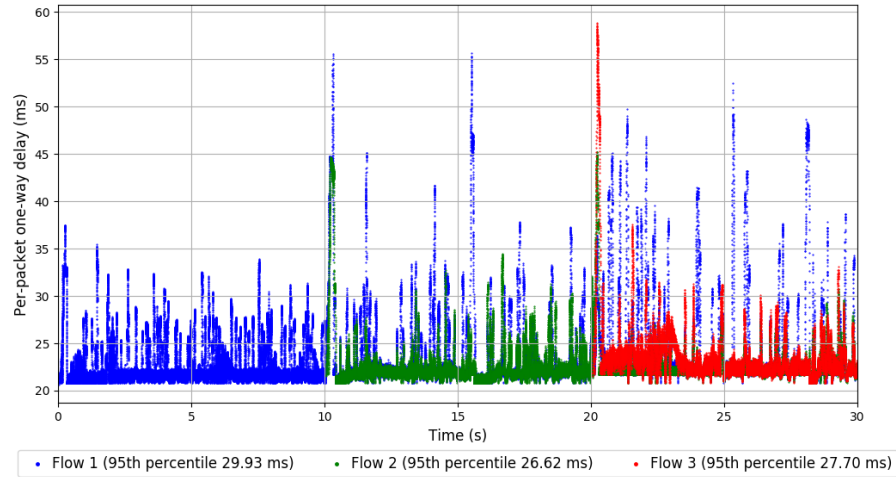
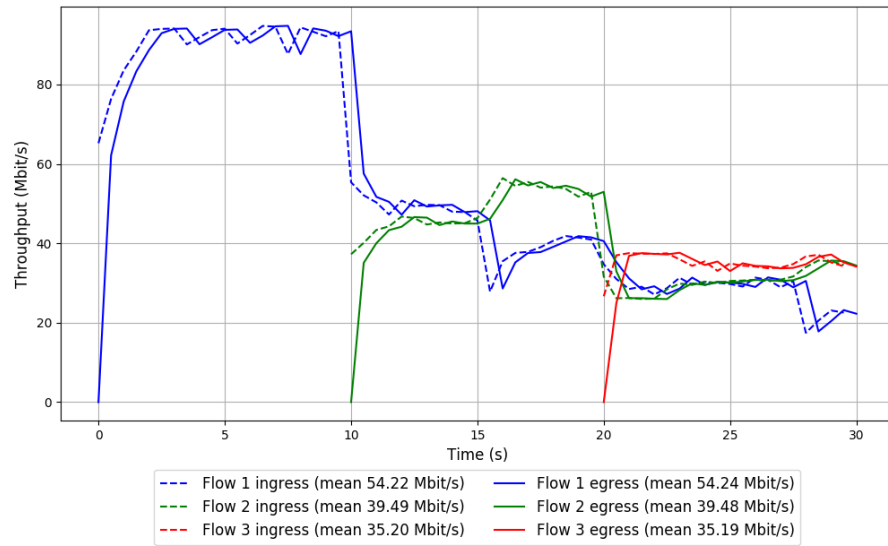


Run 8: Statistics of TCP Vegas

Start at: 2018-06-30 16:43:20
End at: 2018-06-30 16:43:50
Local clock offset: 0.01 ms
Remote clock offset: -5.562 ms

Below is generated by plot.py at 2018-06-30 17:55:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.20 Mbit/s
95th percentile per-packet one-way delay: 28.841 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 54.24 Mbit/s
95th percentile per-packet one-way delay: 29.932 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 39.48 Mbit/s
95th percentile per-packet one-way delay: 26.620 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 35.19 Mbit/s
95th percentile per-packet one-way delay: 27.703 ms
Loss rate: 0.26%

Run 8: Report of TCP Vegas — Data Link

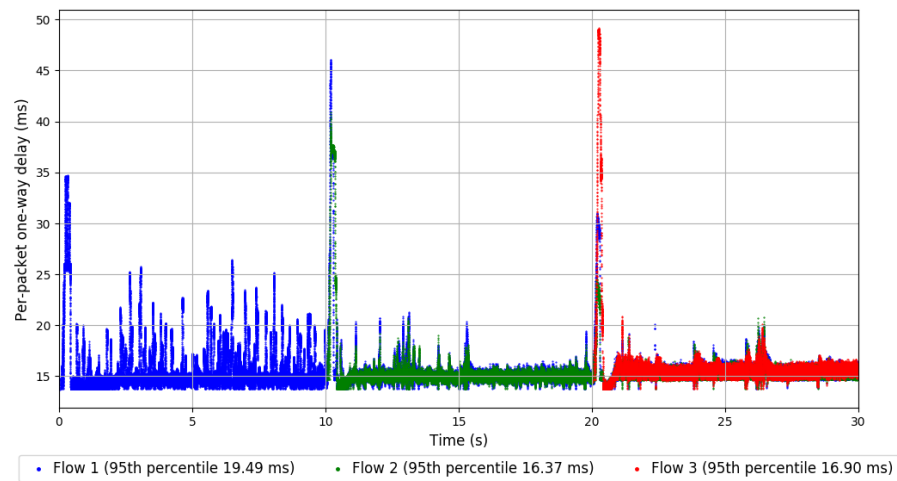
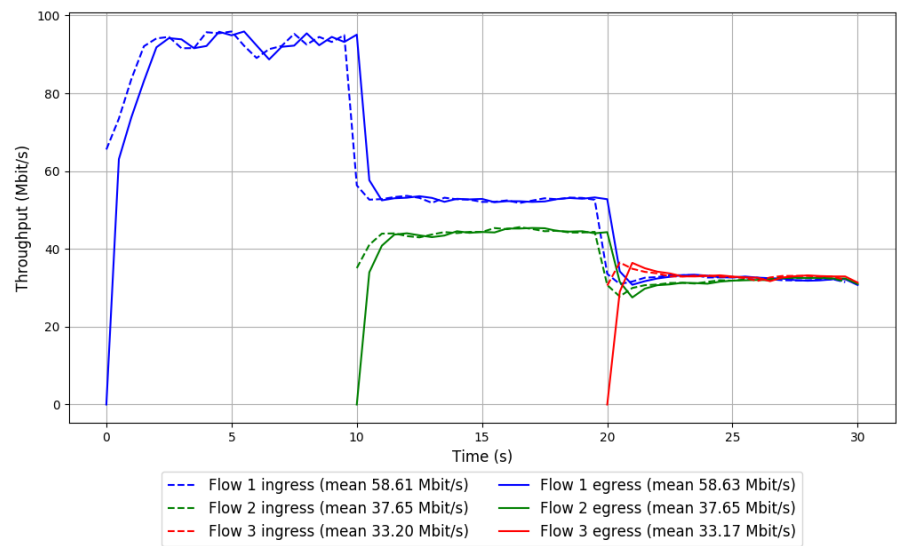


Run 9: Statistics of TCP Vegas

Start at: 2018-06-30 17:03:05
End at: 2018-06-30 17:03:35
Local clock offset: -0.633 ms
Remote clock offset: -1.306 ms

Below is generated by plot.py at 2018-06-30 17:55:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 18.798 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.63 Mbit/s
95th percentile per-packet one-way delay: 19.487 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 37.65 Mbit/s
95th percentile per-packet one-way delay: 16.369 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 33.17 Mbit/s
95th percentile per-packet one-way delay: 16.896 ms
Loss rate: 0.32%

Run 9: Report of TCP Vegas — Data Link

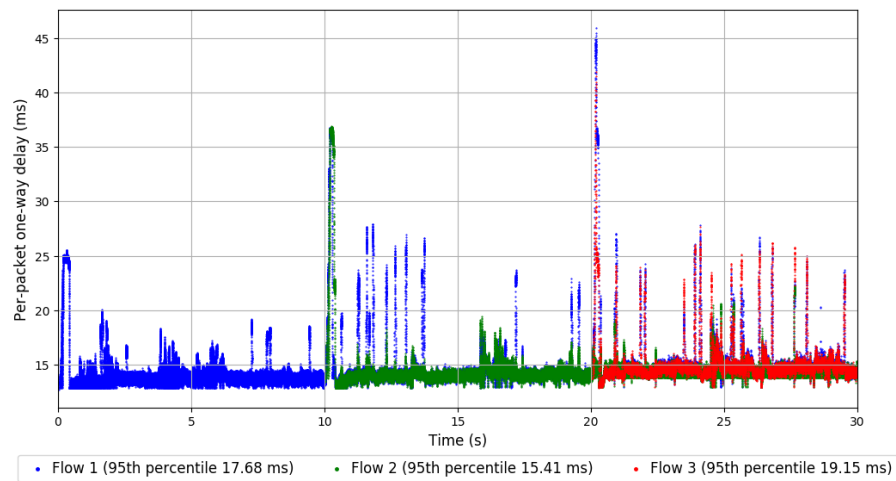
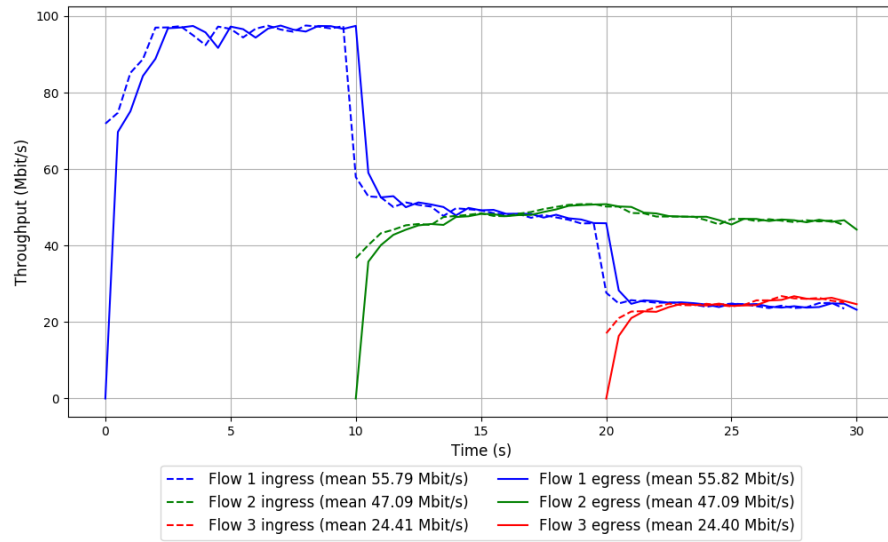


Run 10: Statistics of TCP Vegas

Start at: 2018-06-30 17:23:05
End at: 2018-06-30 17:23:35
Local clock offset: -2.688 ms
Remote clock offset: -2.094 ms

Below is generated by plot.py at 2018-06-30 17:55:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.27 Mbit/s
95th percentile per-packet one-way delay: 16.597 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 55.82 Mbit/s
95th percentile per-packet one-way delay: 17.679 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 47.09 Mbit/s
95th percentile per-packet one-way delay: 15.413 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 19.154 ms
Loss rate: 0.29%

Run 10: Report of TCP Vegas — Data Link

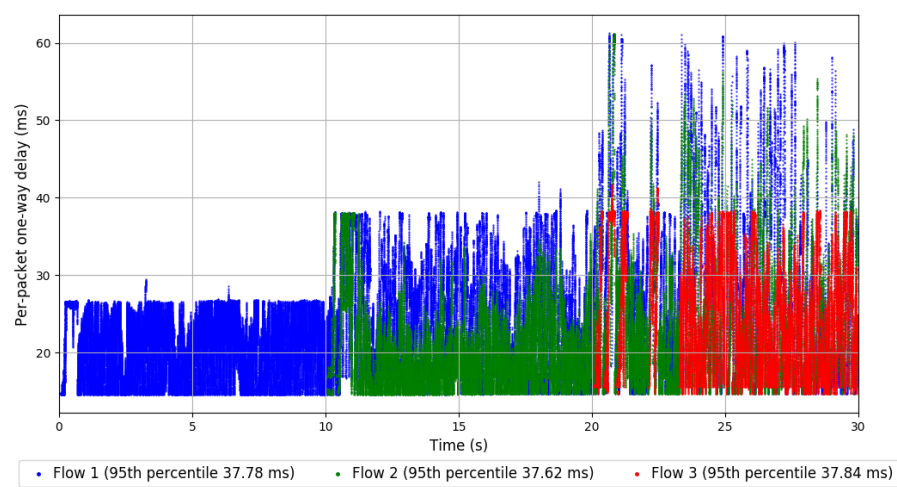
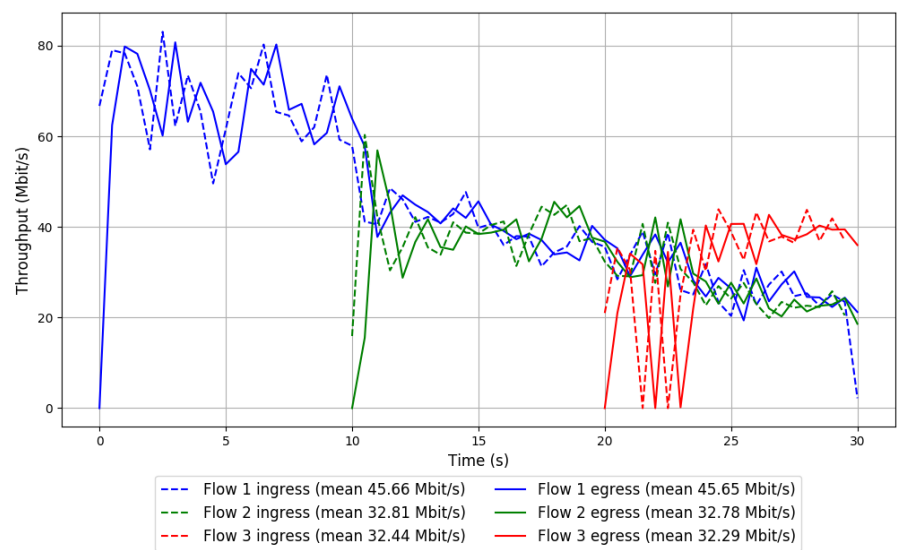


Run 1: Statistics of Verus

Start at: 2018-06-30 14:12:45
End at: 2018-06-30 14:13:15
Local clock offset: -0.084 ms
Remote clock offset: -2.431 ms

Below is generated by plot.py at 2018-06-30 17:55:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.17 Mbit/s
95th percentile per-packet one-way delay: 37.773 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 45.65 Mbit/s
95th percentile per-packet one-way delay: 37.781 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 32.78 Mbit/s
95th percentile per-packet one-way delay: 37.619 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 32.29 Mbit/s
95th percentile per-packet one-way delay: 37.838 ms
Loss rate: 0.75%

Run 1: Report of Verus — Data Link

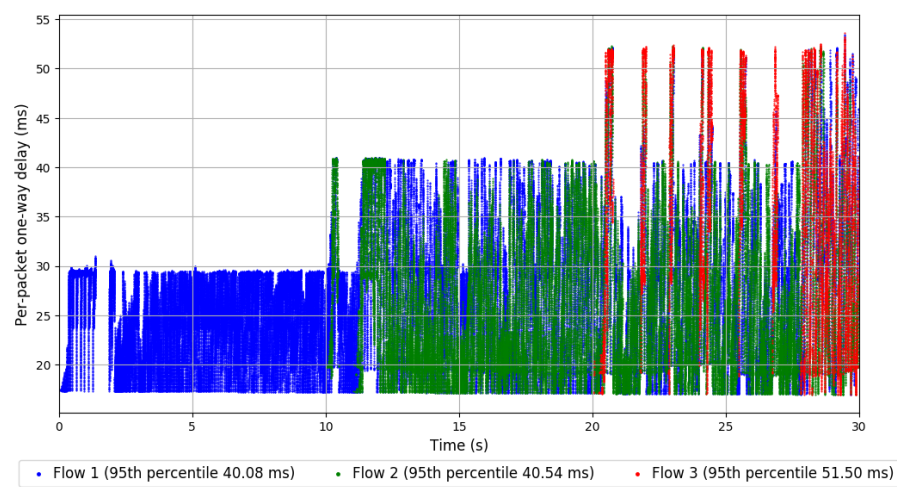
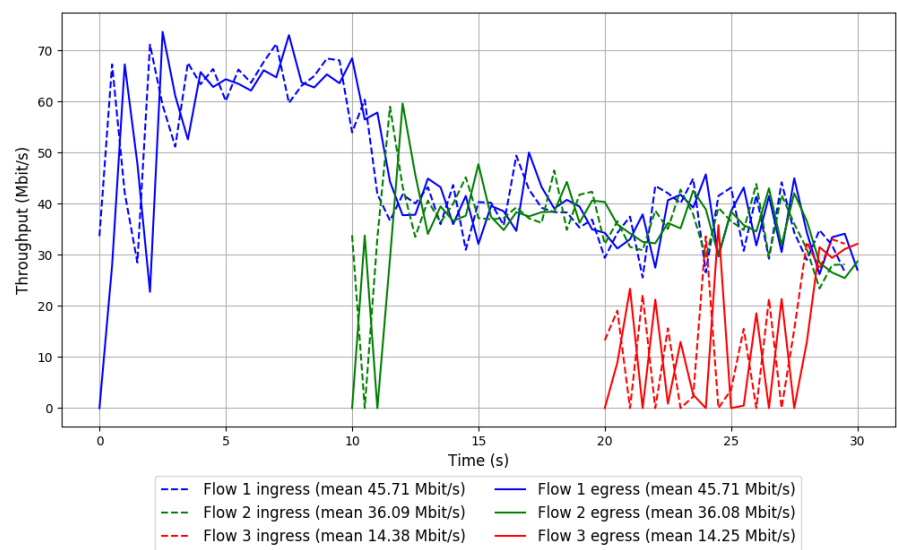


Run 2: Statistics of Verus

Start at: 2018-06-30 14:33:12
End at: 2018-06-30 14:33:42
Local clock offset: 1.103 ms
Remote clock offset: -4.962 ms

Below is generated by plot.py at 2018-06-30 17:55:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.46 Mbit/s
95th percentile per-packet one-way delay: 40.754 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 45.71 Mbit/s
95th percentile per-packet one-way delay: 40.083 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.08 Mbit/s
95th percentile per-packet one-way delay: 40.541 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 14.25 Mbit/s
95th percentile per-packet one-way delay: 51.499 ms
Loss rate: 1.16%

Run 2: Report of Verus — Data Link

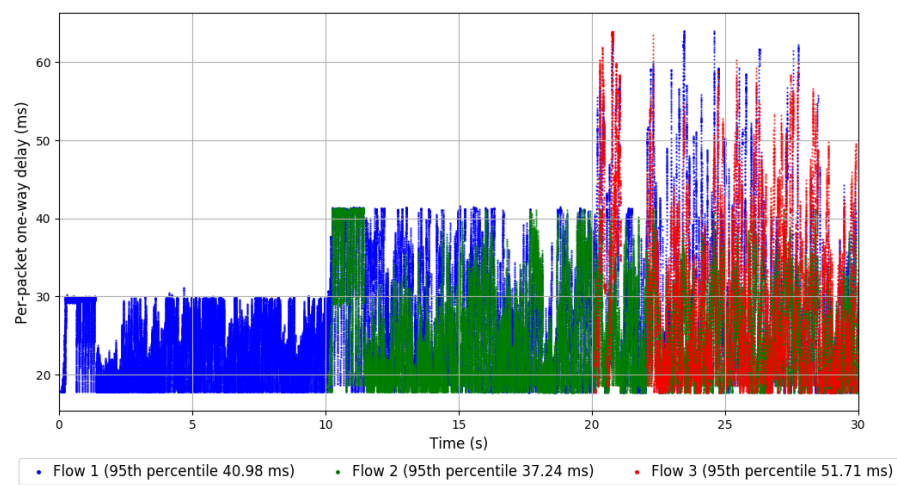
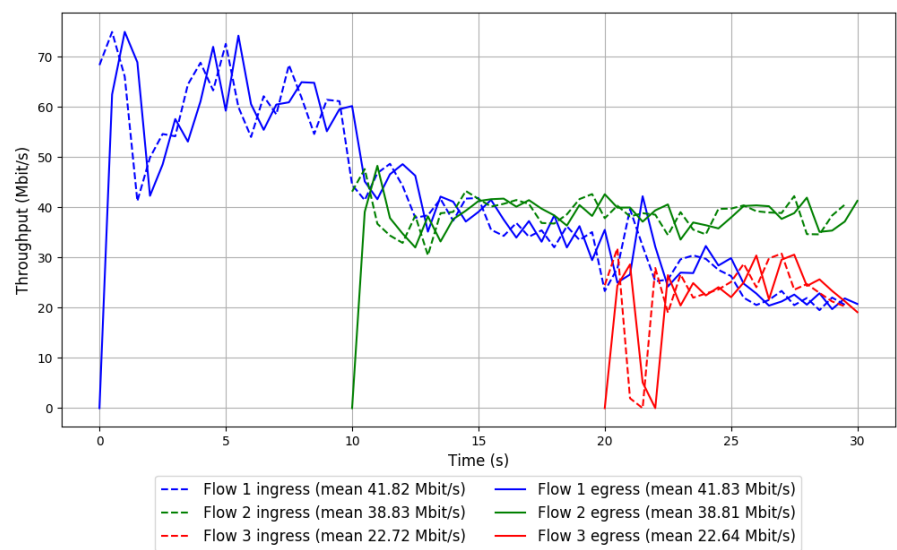


Run 3: Statistics of Verus

Start at: 2018-06-30 14:53:35
End at: 2018-06-30 14:54:05
Local clock offset: 2.157 ms
Remote clock offset: -11.244 ms

Below is generated by plot.py at 2018-06-30 17:56:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.18 Mbit/s
95th percentile per-packet one-way delay: 40.998 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 41.83 Mbit/s
95th percentile per-packet one-way delay: 40.976 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 38.81 Mbit/s
95th percentile per-packet one-way delay: 37.237 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 22.64 Mbit/s
95th percentile per-packet one-way delay: 51.712 ms
Loss rate: 0.46%

Run 3: Report of Verus — Data Link

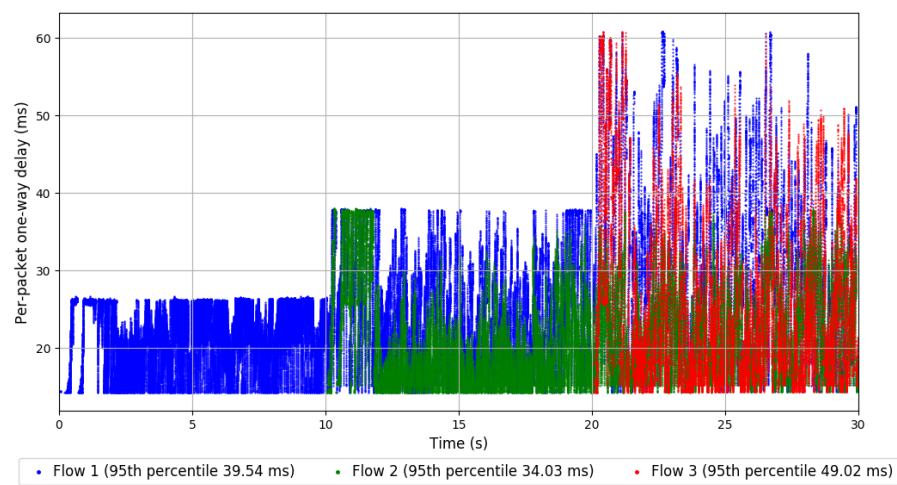
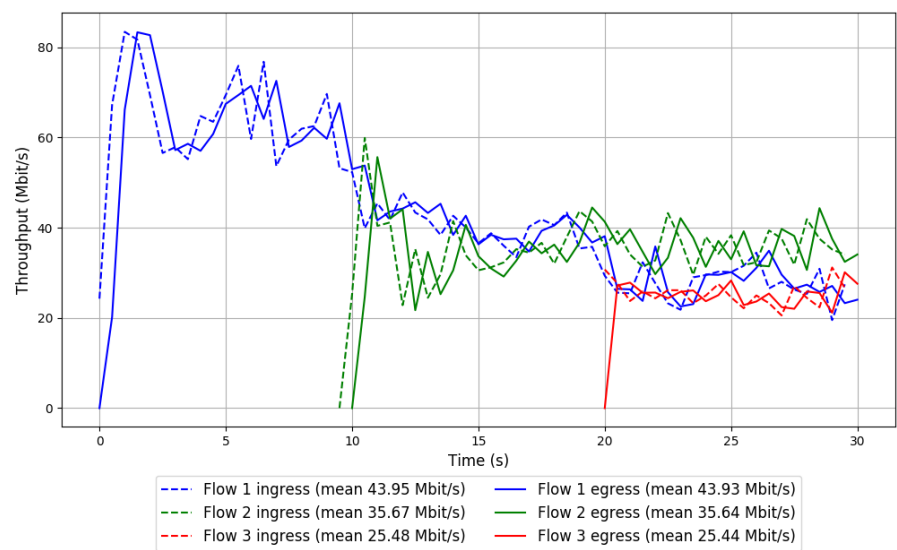


Run 4: Statistics of Verus

Start at: 2018-06-30 15:13:51
End at: 2018-06-30 15:14:21
Local clock offset: -1.055 ms
Remote clock offset: -8.486 ms

Below is generated by plot.py at 2018-06-30 17:56:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.11 Mbit/s
95th percentile per-packet one-way delay: 38.542 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 43.93 Mbit/s
95th percentile per-packet one-way delay: 39.544 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 35.64 Mbit/s
95th percentile per-packet one-way delay: 34.029 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 25.44 Mbit/s
95th percentile per-packet one-way delay: 49.019 ms
Loss rate: 0.32%

Run 4: Report of Verus — Data Link

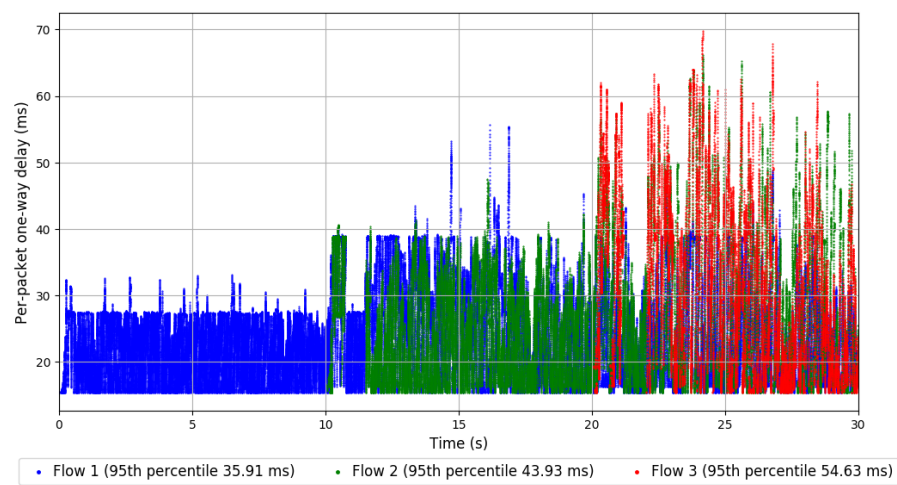
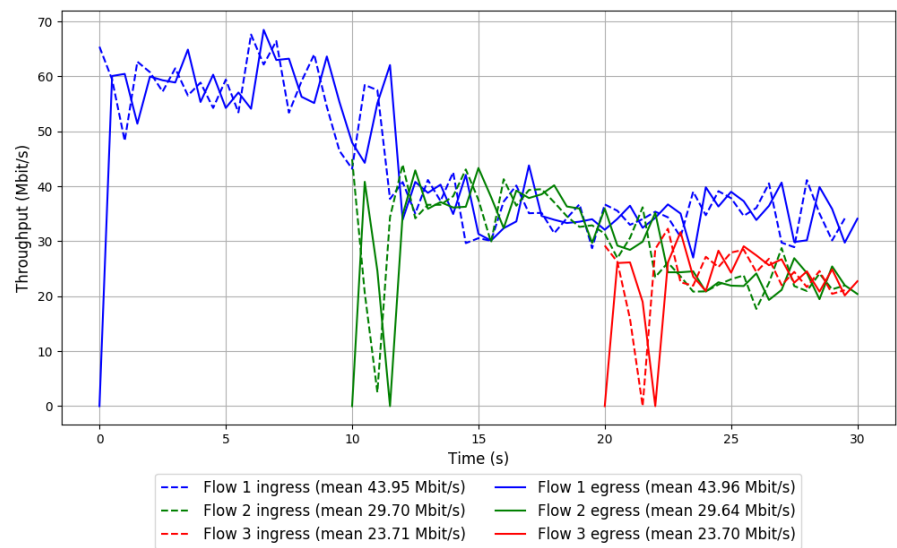


Run 5: Statistics of Verus

Start at: 2018-06-30 15:34:17
End at: 2018-06-30 15:34:47
Local clock offset: -0.441 ms
Remote clock offset: -5.753 ms

Below is generated by plot.py at 2018-06-30 17:56:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.55 Mbit/s
95th percentile per-packet one-way delay: 40.977 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 43.96 Mbit/s
95th percentile per-packet one-way delay: 35.907 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 29.64 Mbit/s
95th percentile per-packet one-way delay: 43.932 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 23.70 Mbit/s
95th percentile per-packet one-way delay: 54.630 ms
Loss rate: 0.10%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-06-30 15:55:31

End at: 2018-06-30 15:56:01

Local clock offset: 1.063 ms

Remote clock offset: 0.175 ms

Below is generated by plot.py at 2018-06-30 17:56:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.04 Mbit/s

95th percentile per-packet one-way delay: 43.267 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 37.49 Mbit/s

95th percentile per-packet one-way delay: 40.574 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 29.94 Mbit/s

95th percentile per-packet one-way delay: 49.813 ms

Loss rate: 0.10%

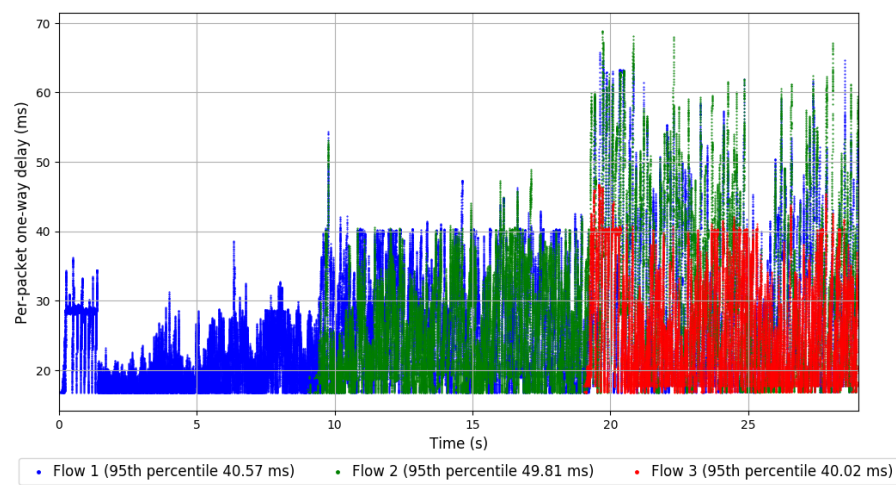
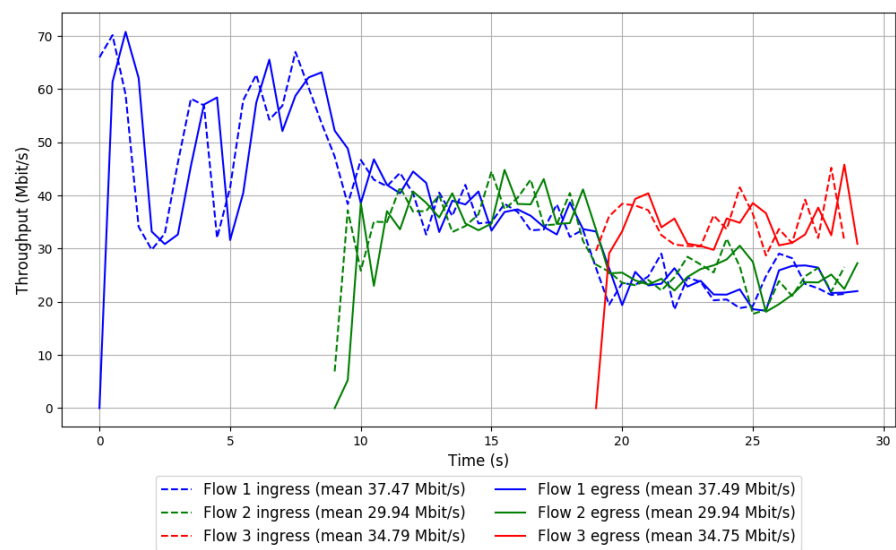
-- Flow 3:

Average throughput: 34.75 Mbit/s

95th percentile per-packet one-way delay: 40.017 ms

Loss rate: 0.41%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-06-30 16:15:48

End at: 2018-06-30 16:16:18

Local clock offset: 0.867 ms

Remote clock offset: 1.404 ms

Below is generated by plot.py at 2018-06-30 17:56:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.45 Mbit/s

95th percentile per-packet one-way delay: 39.737 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 40.64 Mbit/s

95th percentile per-packet one-way delay: 39.271 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 29.93 Mbit/s

95th percentile per-packet one-way delay: 42.691 ms

Loss rate: 0.25%

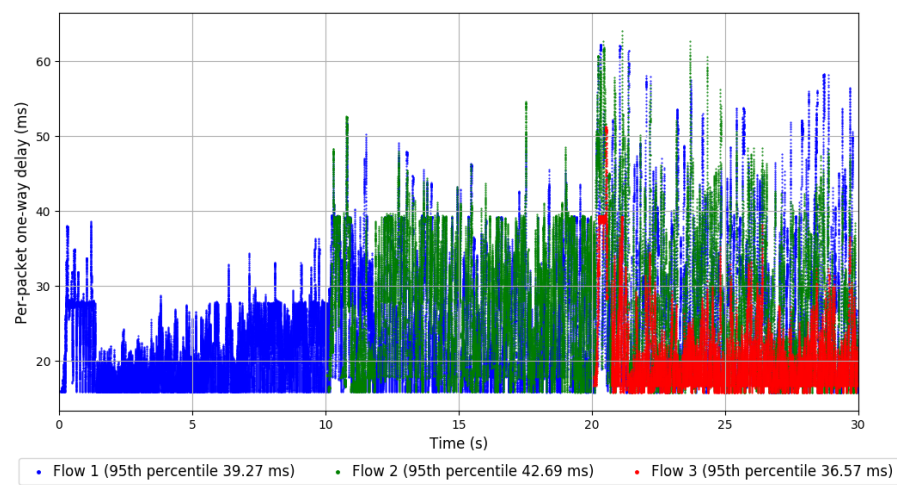
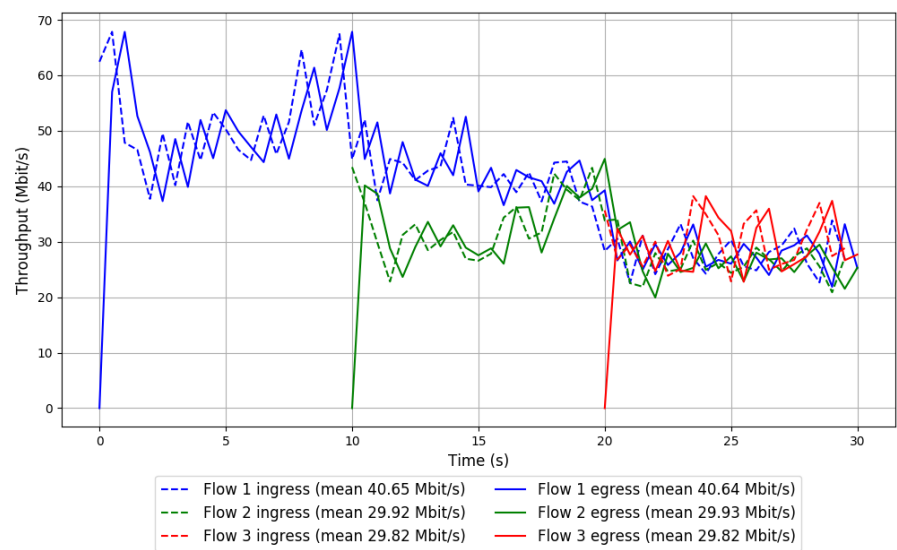
-- Flow 3:

Average throughput: 29.82 Mbit/s

95th percentile per-packet one-way delay: 36.572 ms

Loss rate: 0.51%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-06-30 16:36:16

End at: 2018-06-30 16:36:46

Local clock offset: 3.526 ms

Remote clock offset: 0.533 ms

Below is generated by plot.py at 2018-06-30 17:56:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.82 Mbit/s

95th percentile per-packet one-way delay: 44.104 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 45.74 Mbit/s

95th percentile per-packet one-way delay: 44.967 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 34.33 Mbit/s

95th percentile per-packet one-way delay: 41.206 ms

Loss rate: 0.18%

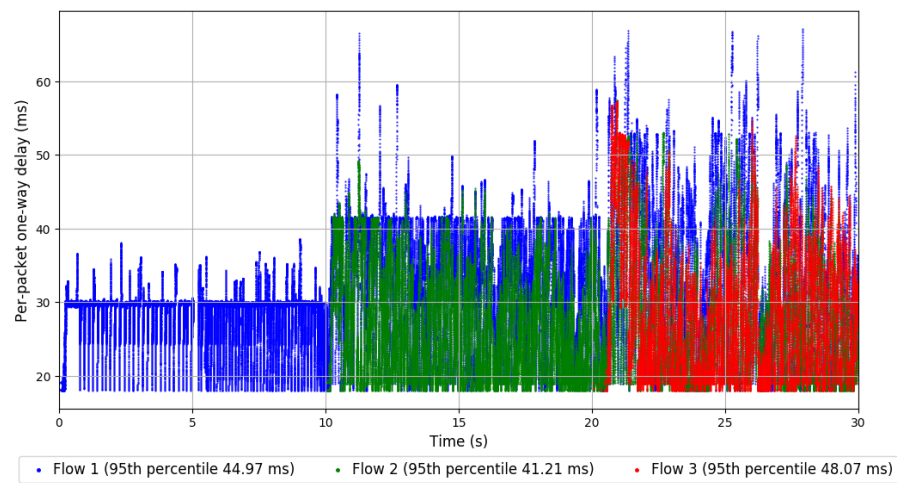
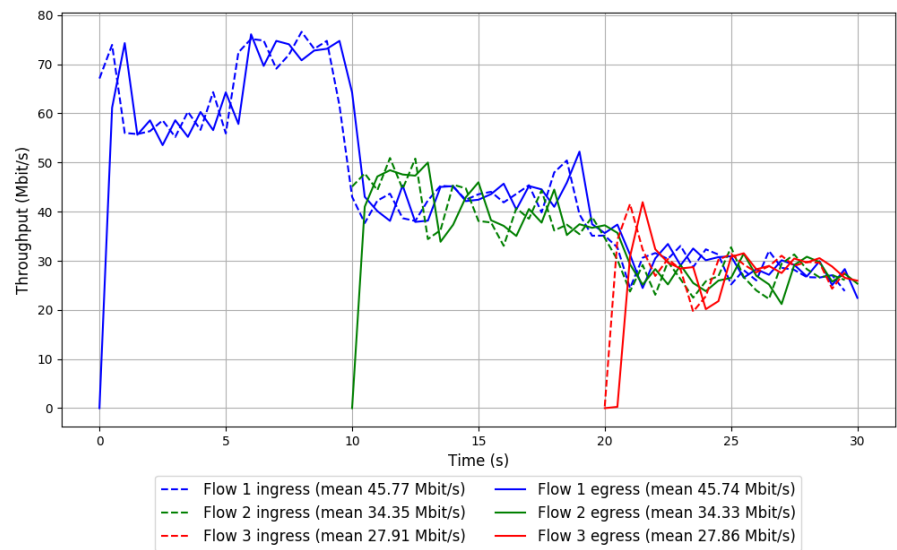
-- Flow 3:

Average throughput: 27.86 Mbit/s

95th percentile per-packet one-way delay: 48.068 ms

Loss rate: 0.37%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-06-30 16:56:10

End at: 2018-06-30 16:56:40

Local clock offset: 1.566 ms

Remote clock offset: -3.08 ms

Below is generated by plot.py at 2018-06-30 17:56:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.91 Mbit/s

95th percentile per-packet one-way delay: 48.785 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 48.96 Mbit/s

95th percentile per-packet one-way delay: 47.295 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 31.03 Mbit/s

95th percentile per-packet one-way delay: 53.760 ms

Loss rate: 1.42%

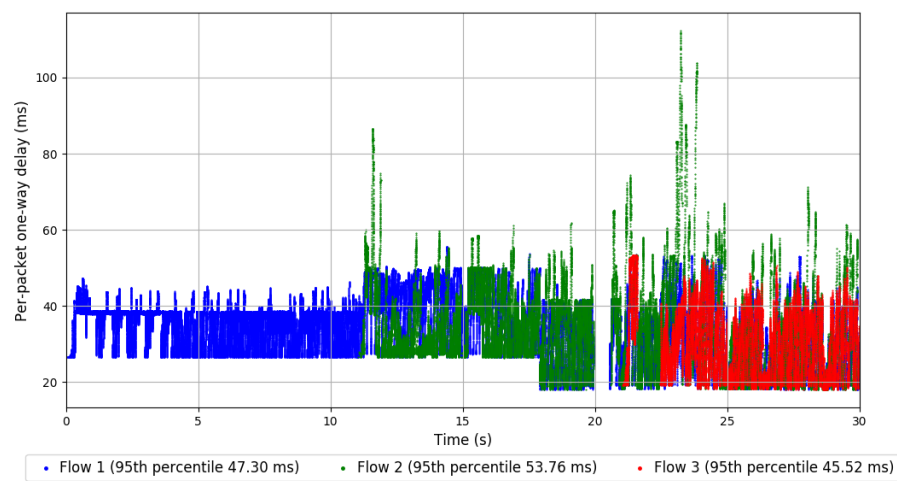
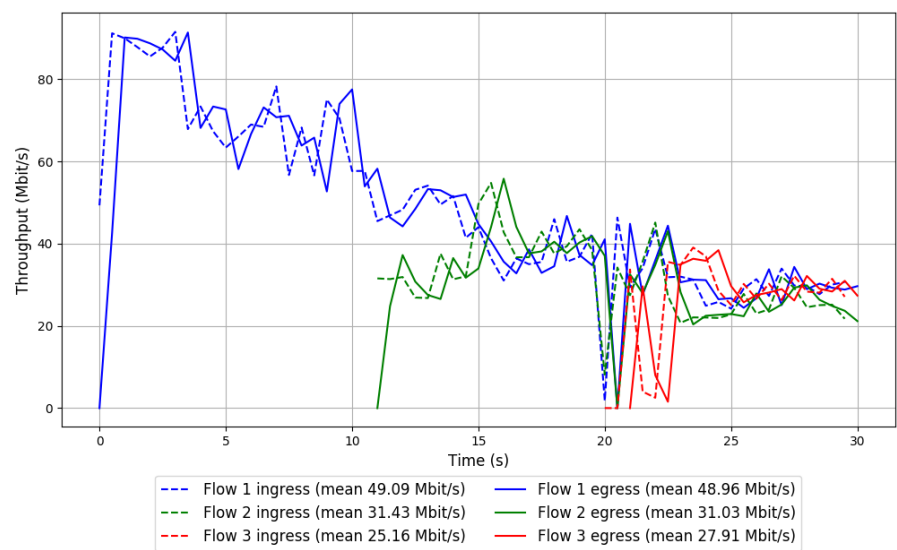
-- Flow 3:

Average throughput: 27.91 Mbit/s

95th percentile per-packet one-way delay: 45.515 ms

Loss rate: 0.40%

Run 9: Report of Verus — Data Link

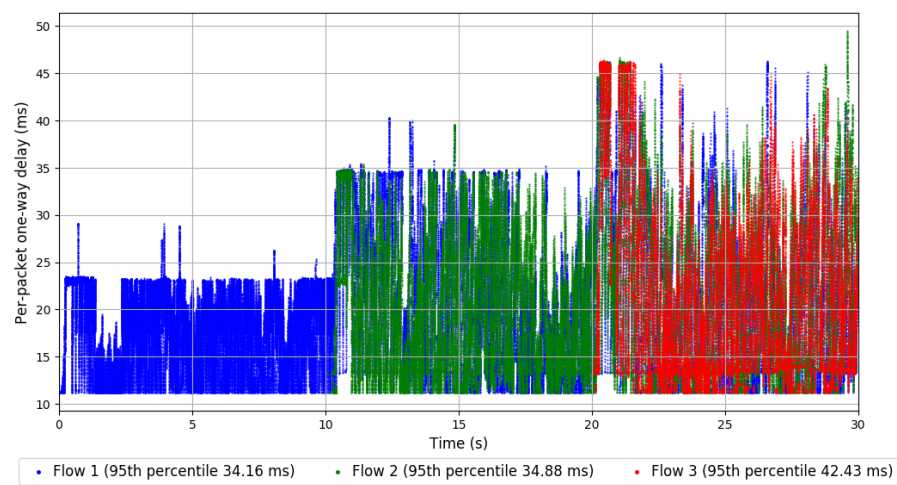
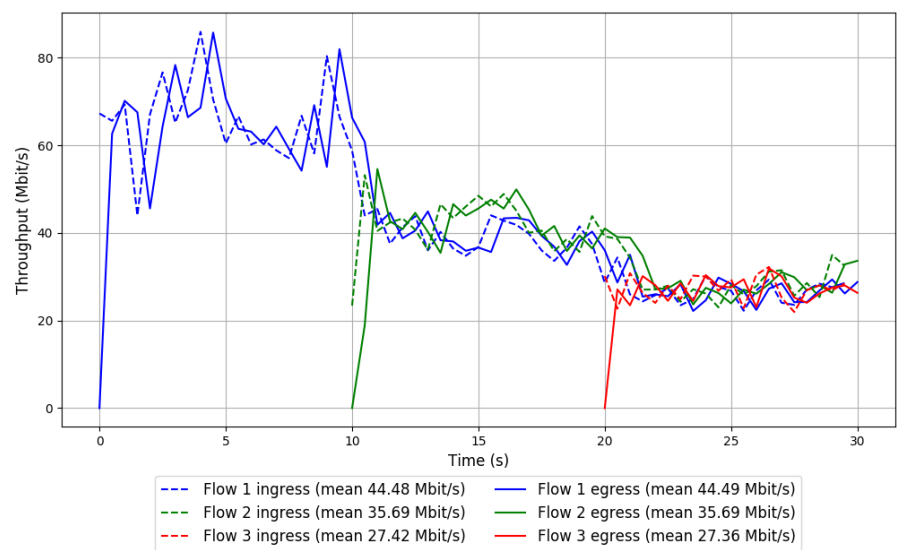


Run 10: Statistics of Verus

Start at: 2018-06-30 17:16:08
End at: 2018-06-30 17:16:38
Local clock offset: -3.549 ms
Remote clock offset: -2.048 ms

Below is generated by plot.py at 2018-06-30 17:56:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.32 Mbit/s
95th percentile per-packet one-way delay: 34.509 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 44.49 Mbit/s
95th percentile per-packet one-way delay: 34.160 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 35.69 Mbit/s
95th percentile per-packet one-way delay: 34.879 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 27.36 Mbit/s
95th percentile per-packet one-way delay: 42.429 ms
Loss rate: 0.47%

Run 10: Report of Verus — Data Link

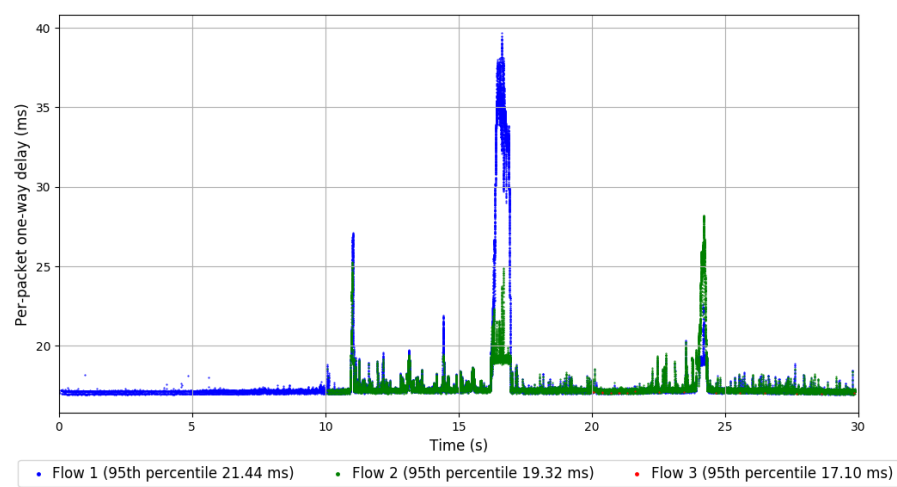
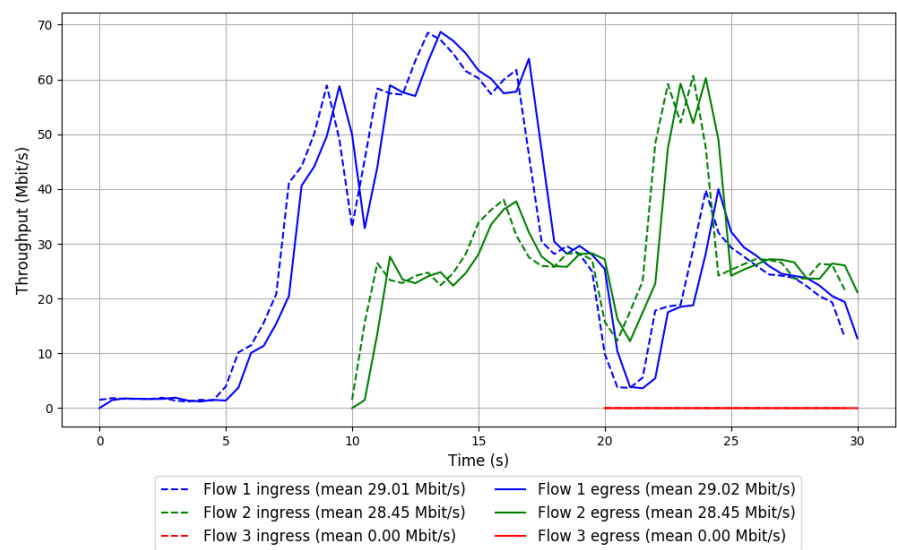


Run 1: Statistics of PCC-Vivace

Start at: 2018-06-30 14:28:23
End at: 2018-06-30 14:28:53
Local clock offset: 0.615 ms
Remote clock offset: -0.772 ms

Below is generated by plot.py at 2018-06-30 17:57:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.94 Mbit/s
95th percentile per-packet one-way delay: 19.990 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 29.02 Mbit/s
95th percentile per-packet one-way delay: 21.436 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 28.45 Mbit/s
95th percentile per-packet one-way delay: 19.325 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 17.098 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

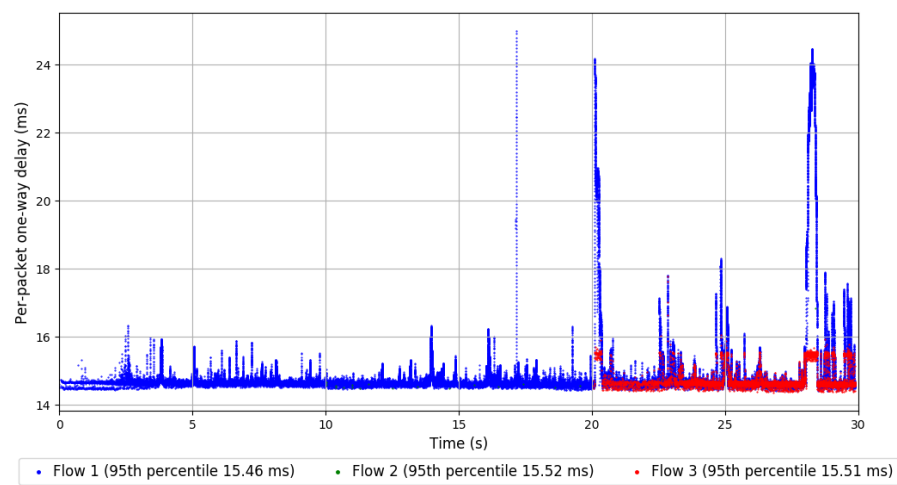
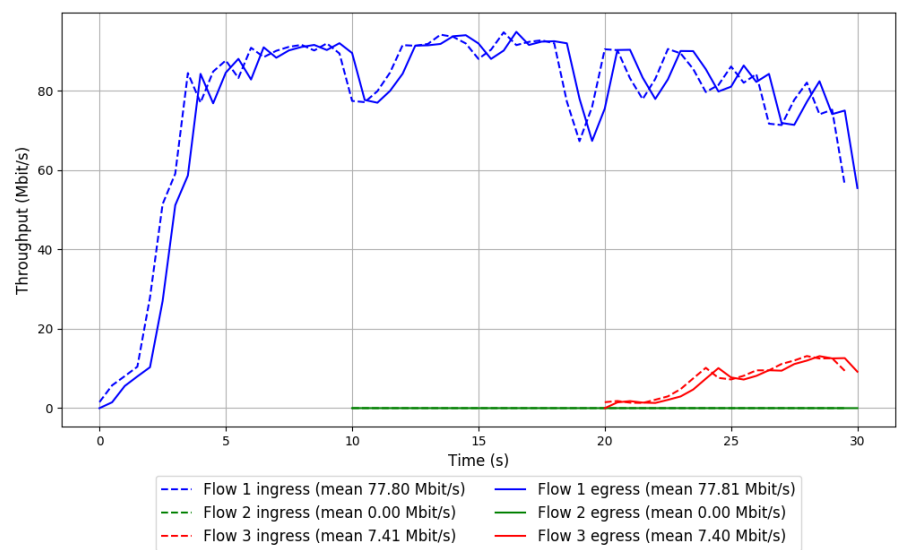


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-30 14:48:43
End at: 2018-06-30 14:49:13
Local clock offset: -0.411 ms
Remote clock offset: -9.899 ms

Below is generated by plot.py at 2018-06-30 17:57:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.25 Mbit/s
95th percentile per-packet one-way delay: 15.481 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 77.81 Mbit/s
95th percentile per-packet one-way delay: 15.458 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 15.517 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.40 Mbit/s
95th percentile per-packet one-way delay: 15.509 ms
Loss rate: 0.39%

Run 2: Report of PCC-Vivace — Data Link

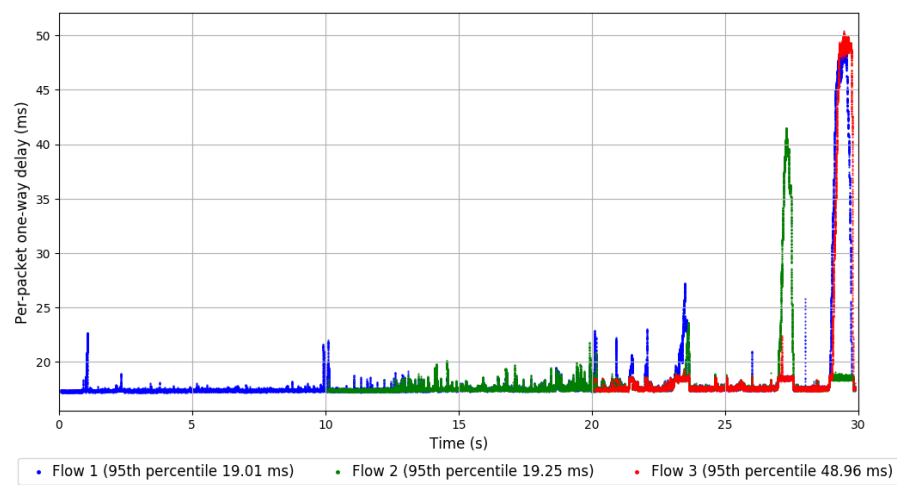
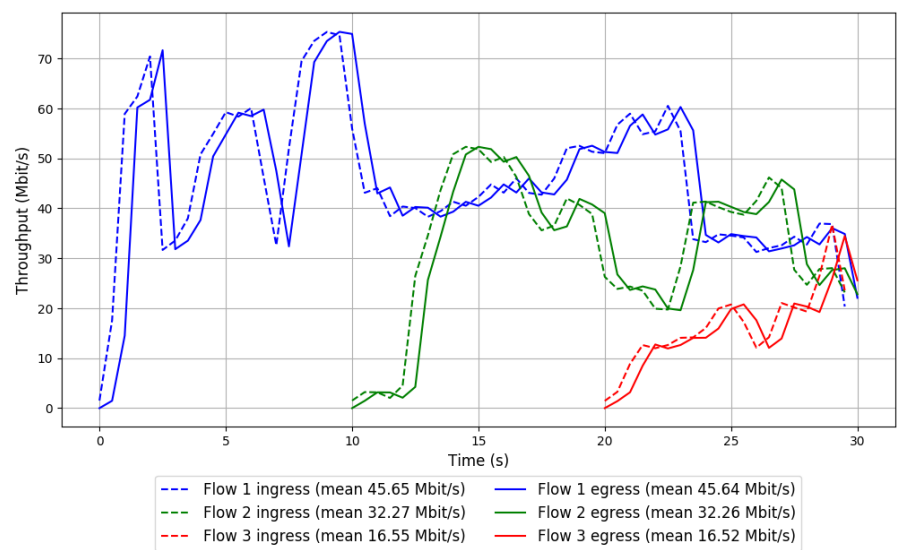


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-30 15:09:01
End at: 2018-06-30 15:09:31
Local clock offset: 1.854 ms
Remote clock offset: -9.767 ms

Below is generated by plot.py at 2018-06-30 17:57:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.54 Mbit/s
95th percentile per-packet one-way delay: 20.051 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 45.64 Mbit/s
95th percentile per-packet one-way delay: 19.013 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 32.26 Mbit/s
95th percentile per-packet one-way delay: 19.246 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 16.52 Mbit/s
95th percentile per-packet one-way delay: 48.960 ms
Loss rate: 0.46%

Run 3: Report of PCC-Vivace — Data Link

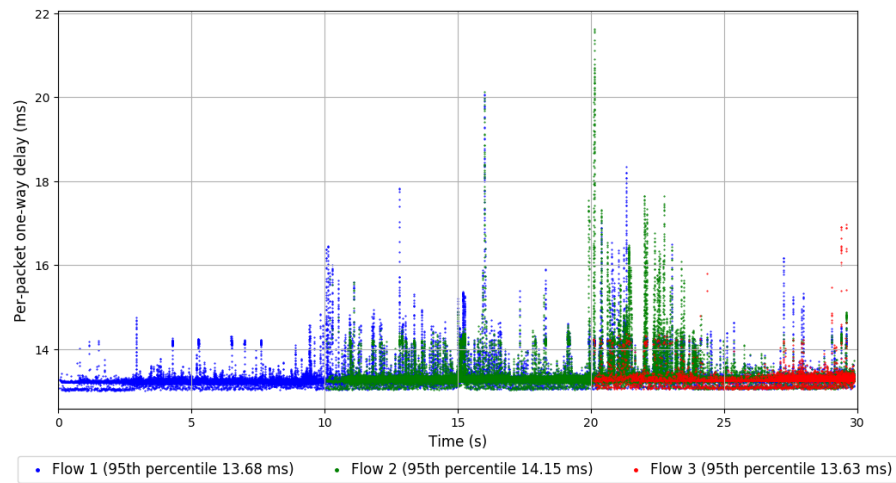
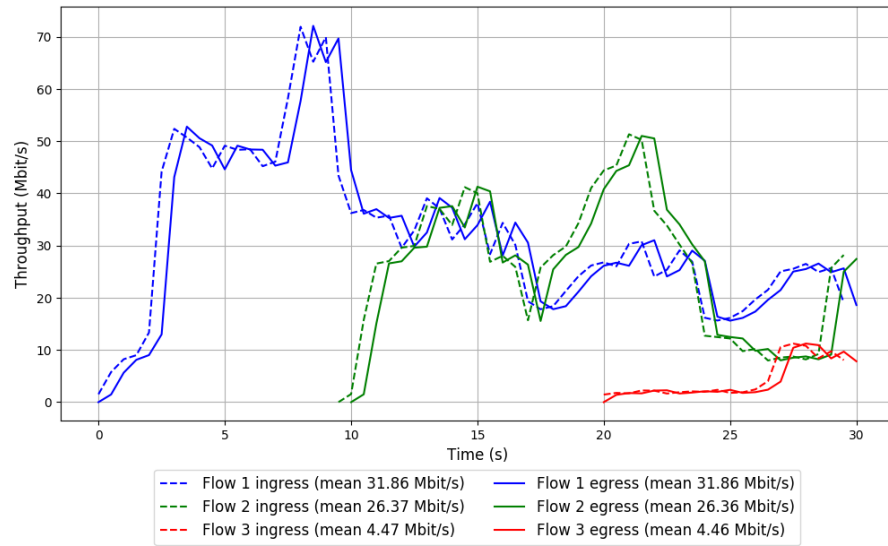


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-30 15:29:21
End at: 2018-06-30 15:29:51
Local clock offset: -8.021 ms
Remote clock offset: -11.688 ms

Below is generated by plot.py at 2018-06-30 17:57:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.86 Mbit/s
95th percentile per-packet one-way delay: 13.890 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 13.678 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 26.36 Mbit/s
95th percentile per-packet one-way delay: 14.148 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 13.629 ms
Loss rate: 0.58%

Run 4: Report of PCC-Vivace — Data Link

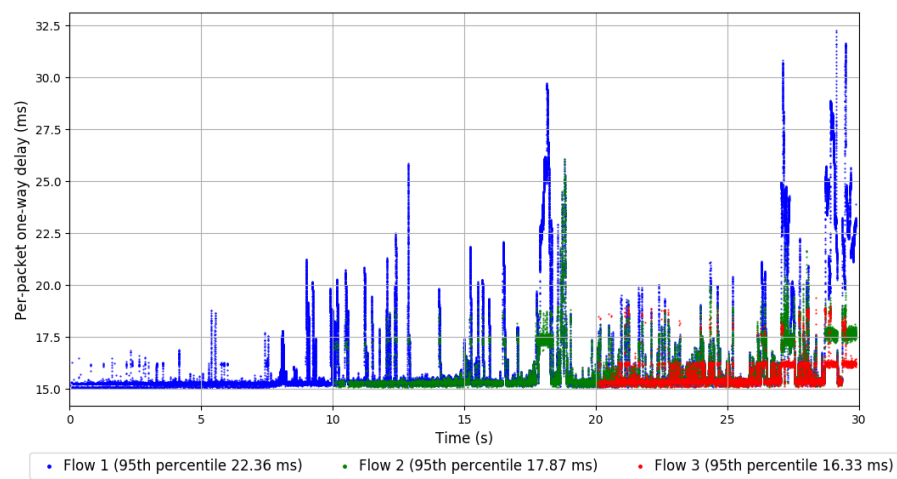
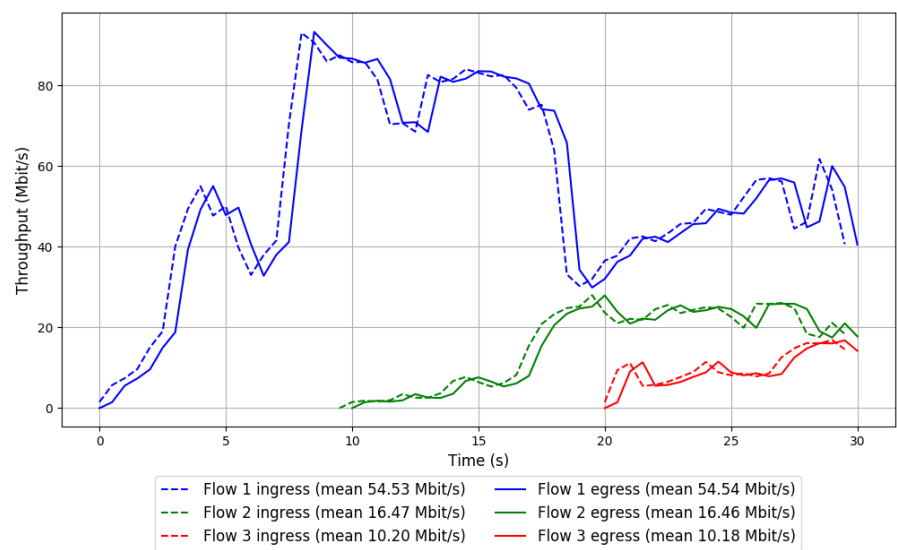


Run 5: Statistics of PCC-Vivace

Start at: 2018-06-30 15:50:08
End at: 2018-06-30 15:50:38
Local clock offset: -1.218 ms
Remote clock offset: -1.284 ms

Below is generated by plot.py at 2018-06-30 17:57:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.84 Mbit/s
95th percentile per-packet one-way delay: 21.322 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 54.54 Mbit/s
95th percentile per-packet one-way delay: 22.355 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 16.46 Mbit/s
95th percentile per-packet one-way delay: 17.867 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 10.18 Mbit/s
95th percentile per-packet one-way delay: 16.331 ms
Loss rate: 0.49%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-30 16:11:08

End at: 2018-06-30 16:11:38

Local clock offset: 2.311 ms

Remote clock offset: 2.24 ms

Below is generated by plot.py at 2018-06-30 17:57:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.71 Mbit/s

95th percentile per-packet one-way delay: 18.961 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 36.75 Mbit/s

95th percentile per-packet one-way delay: 19.421 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 14.97 Mbit/s

95th percentile per-packet one-way delay: 18.387 ms

Loss rate: 0.37%

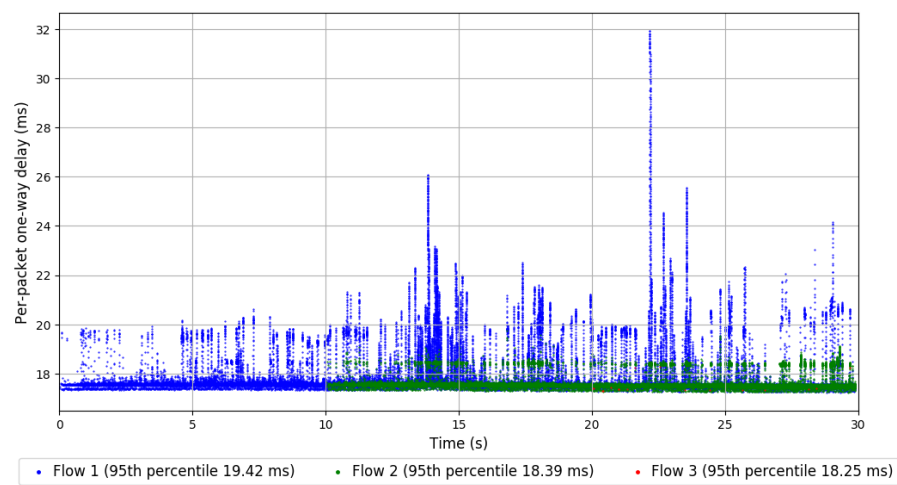
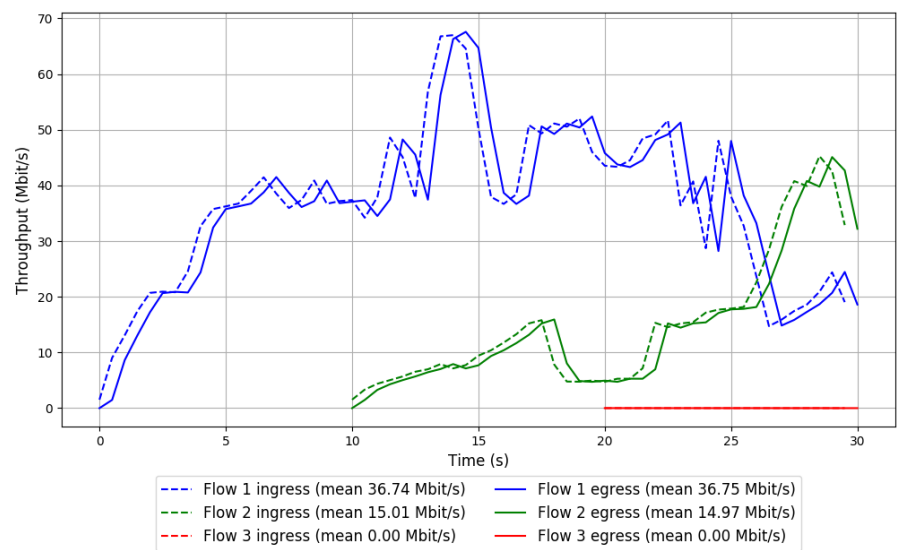
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 18.245 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-06-30 16:31:33

End at: 2018-06-30 16:32:03

Local clock offset: 0.84 ms

Remote clock offset: 0.884 ms

Below is generated by plot.py at 2018-06-30 17:57:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.09 Mbit/s

95th percentile per-packet one-way delay: 46.042 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 26.77 Mbit/s

95th percentile per-packet one-way delay: 46.694 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 33.20 Mbit/s

95th percentile per-packet one-way delay: 45.506 ms

Loss rate: 0.40%

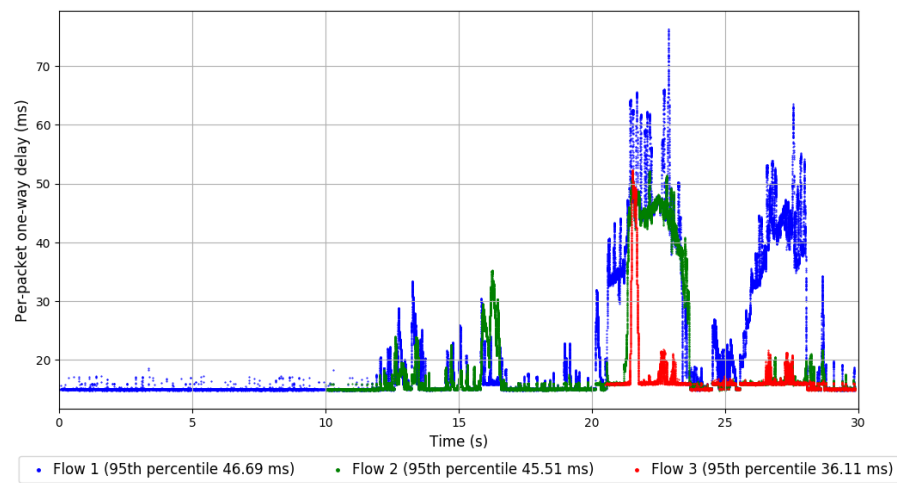
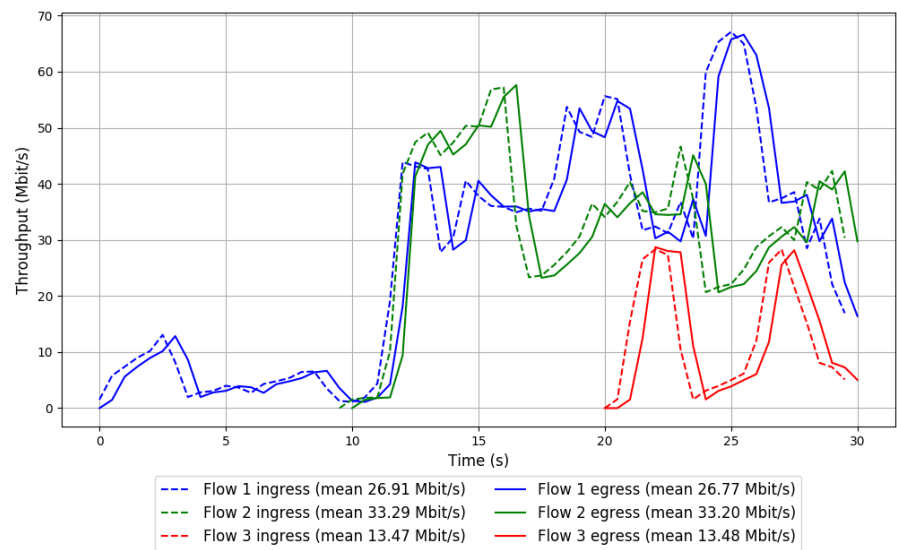
-- Flow 3:

Average throughput: 13.48 Mbit/s

95th percentile per-packet one-way delay: 36.111 ms

Loss rate: 0.16%

Run 7: Report of PCC-Vivace — Data Link

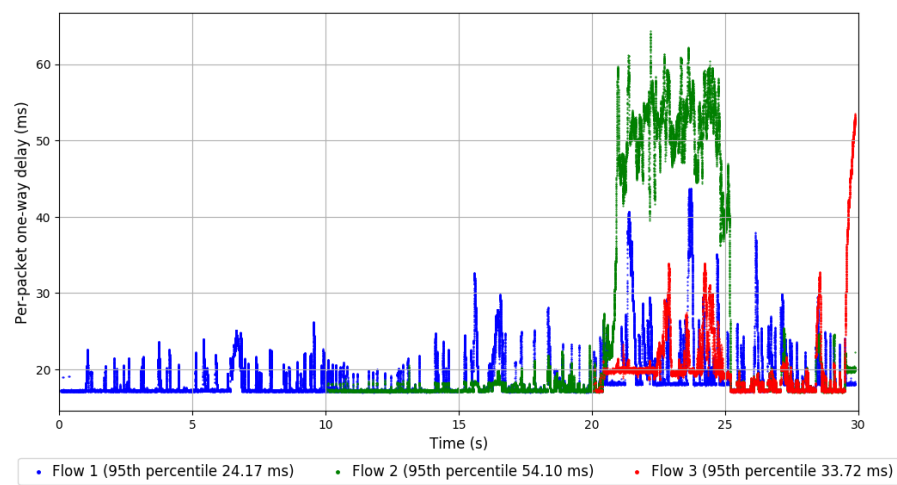
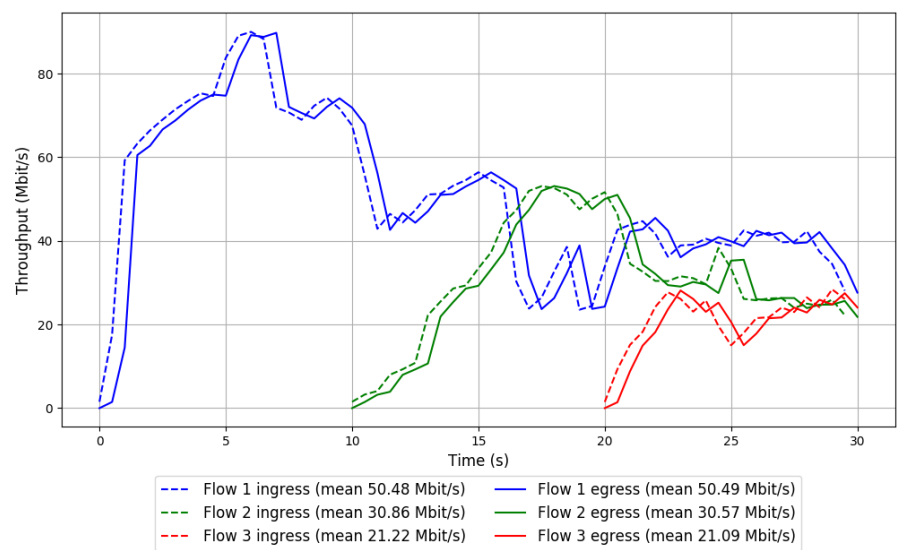


Run 8: Statistics of PCC-Vivace

Start at: 2018-06-30 16:51:29
End at: 2018-06-30 16:51:59
Local clock offset: 1.203 ms
Remote clock offset: -1.991 ms

Below is generated by plot.py at 2018-06-30 17:57:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.77 Mbit/s
95th percentile per-packet one-way delay: 45.014 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 50.49 Mbit/s
95th percentile per-packet one-way delay: 24.167 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 30.57 Mbit/s
95th percentile per-packet one-way delay: 54.099 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 21.09 Mbit/s
95th percentile per-packet one-way delay: 33.721 ms
Loss rate: 0.91%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-30 17:11:19

End at: 2018-06-30 17:11:49

Local clock offset: -0.113 ms

Remote clock offset: -2.16 ms

Below is generated by plot.py at 2018-06-30 17:57:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.90 Mbit/s

95th percentile per-packet one-way delay: 30.643 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 48.40 Mbit/s

95th percentile per-packet one-way delay: 30.434 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 31.78 Mbit/s

95th percentile per-packet one-way delay: 22.110 ms

Loss rate: 0.11%

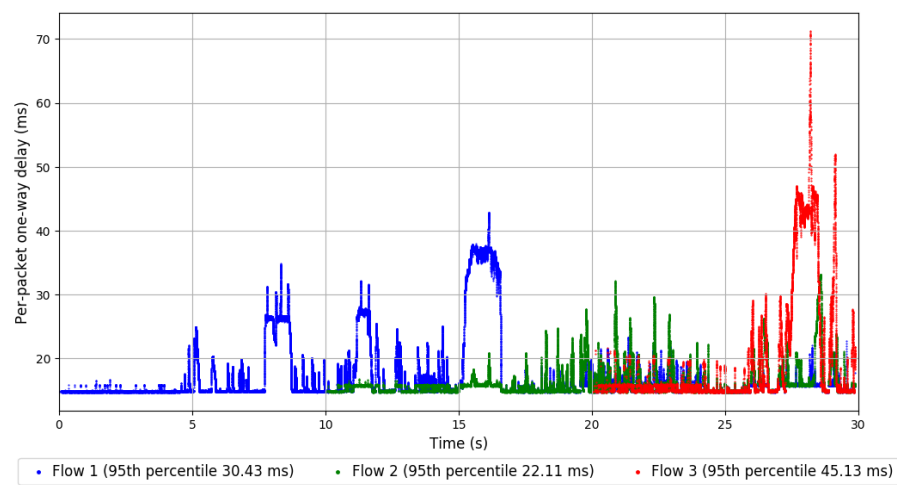
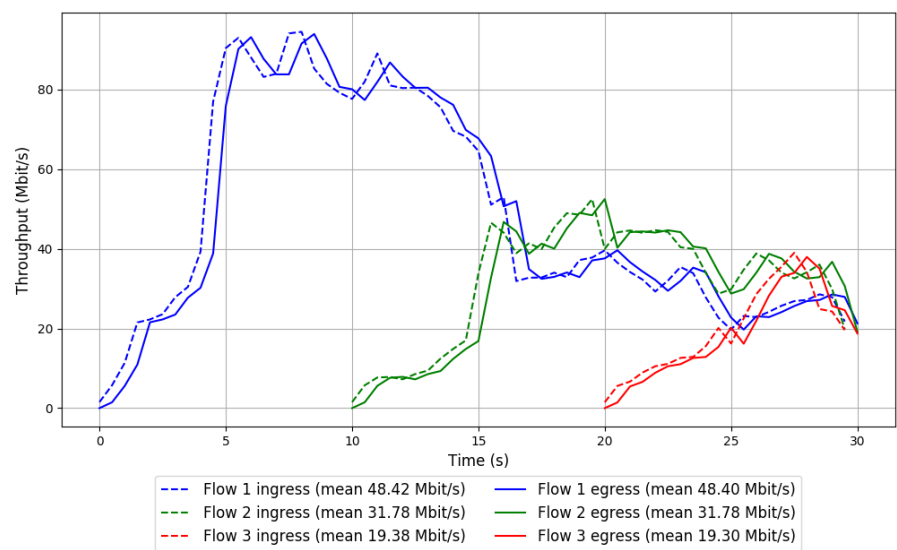
-- Flow 3:

Average throughput: 19.30 Mbit/s

95th percentile per-packet one-way delay: 45.135 ms

Loss rate: 0.65%

Run 9: Report of PCC-Vivace — Data Link

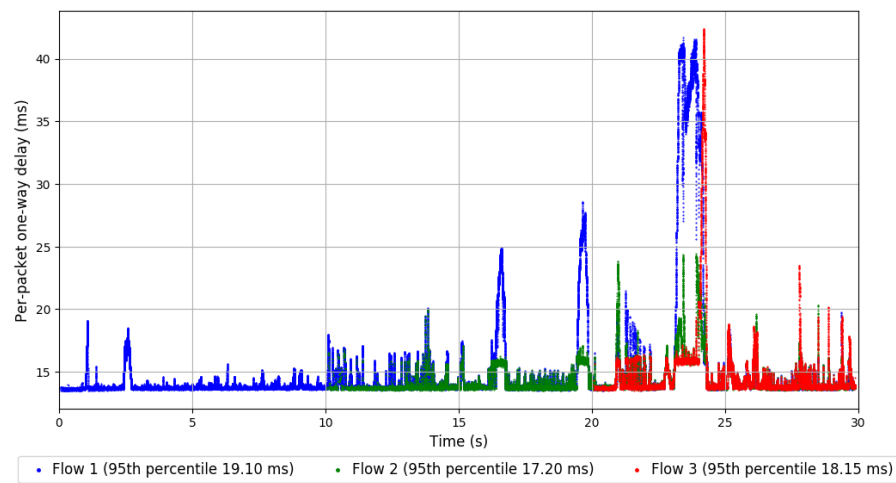
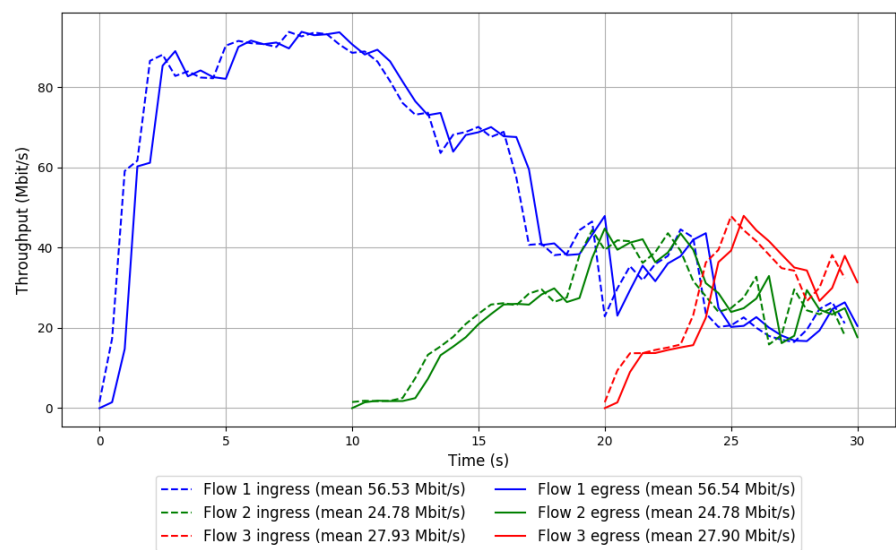


Run 10: Statistics of PCC-Vivace

Start at: 2018-06-30 17:31:35
End at: 2018-06-30 17:32:05
Local clock offset: -2.083 ms
Remote clock offset: -1.254 ms

Below is generated by plot.py at 2018-06-30 17:57:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.21 Mbit/s
95th percentile per-packet one-way delay: 18.128 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.54 Mbit/s
95th percentile per-packet one-way delay: 19.103 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 17.202 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 27.90 Mbit/s
95th percentile per-packet one-way delay: 18.148 ms
Loss rate: 0.40%

Run 10: Report of PCC-Vivace — Data Link

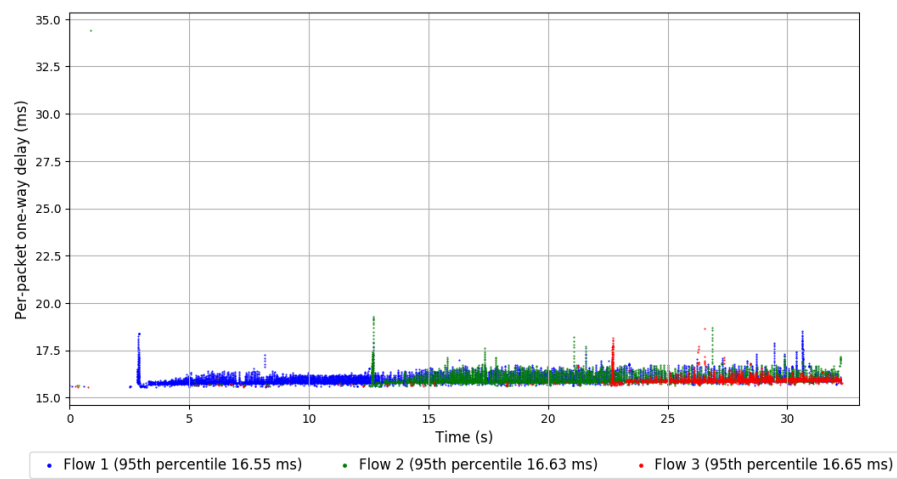
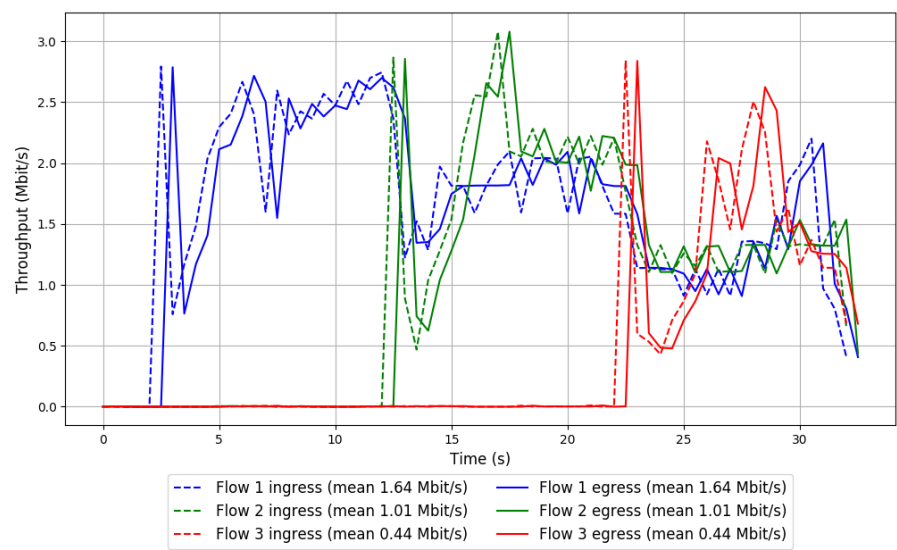


Run 1: Statistics of WebRTC media

Start at: 2018-06-30 14:10:26
End at: 2018-06-30 14:10:56
Local clock offset: 0.98 ms
Remote clock offset: -3.157 ms

Below is generated by plot.py at 2018-06-30 17:57:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.08 Mbit/s
95th percentile per-packet one-way delay: 16.593 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 16.551 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 16.626 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 16.648 ms
Loss rate: 0.01%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-06-30 14:30:48

End at: 2018-06-30 14:31:18

Local clock offset: 1.149 ms

Remote clock offset: -2.35 ms

Below is generated by plot.py at 2018-06-30 17:57:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.08 Mbit/s

95th percentile per-packet one-way delay: 17.524 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 1.65 Mbit/s

95th percentile per-packet one-way delay: 17.505 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.98 Mbit/s

95th percentile per-packet one-way delay: 17.510 ms

Loss rate: 0.35%

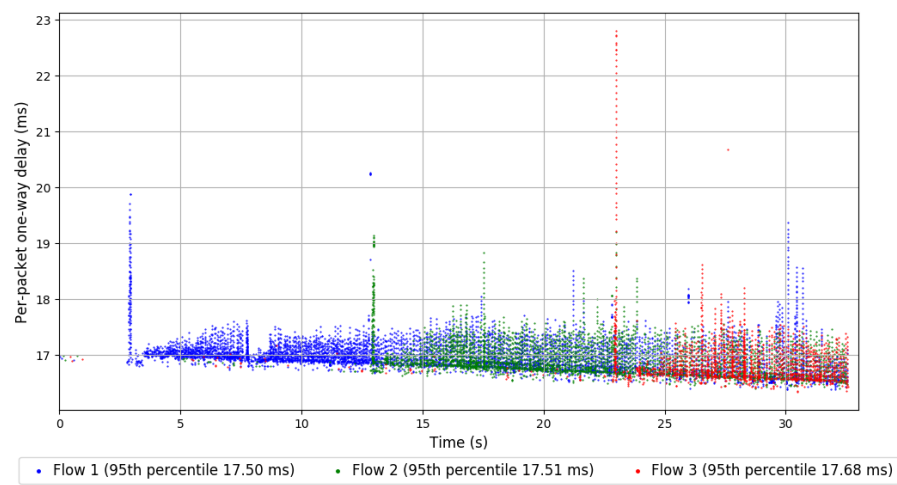
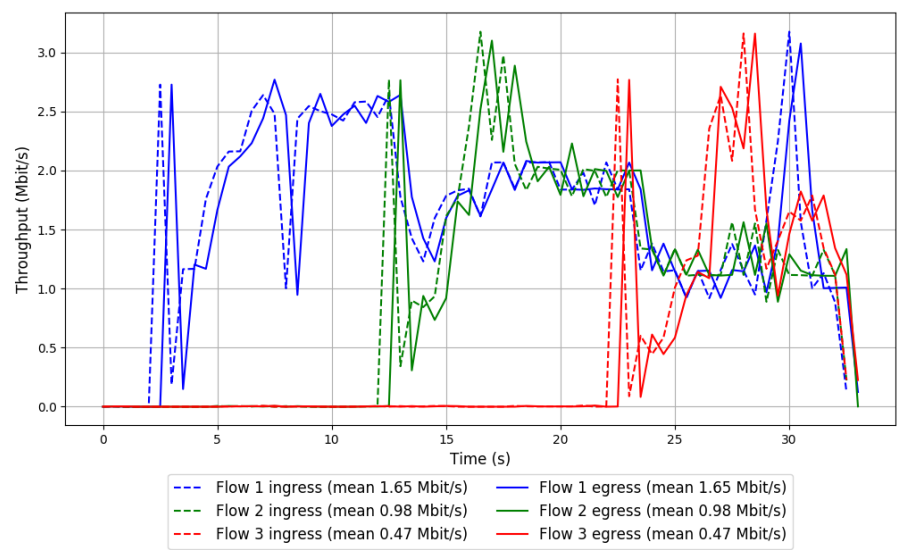
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 17.678 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

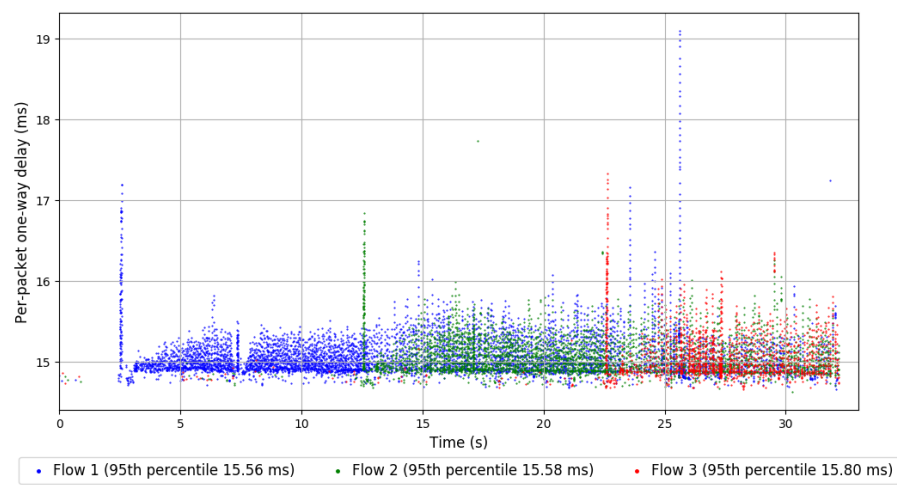
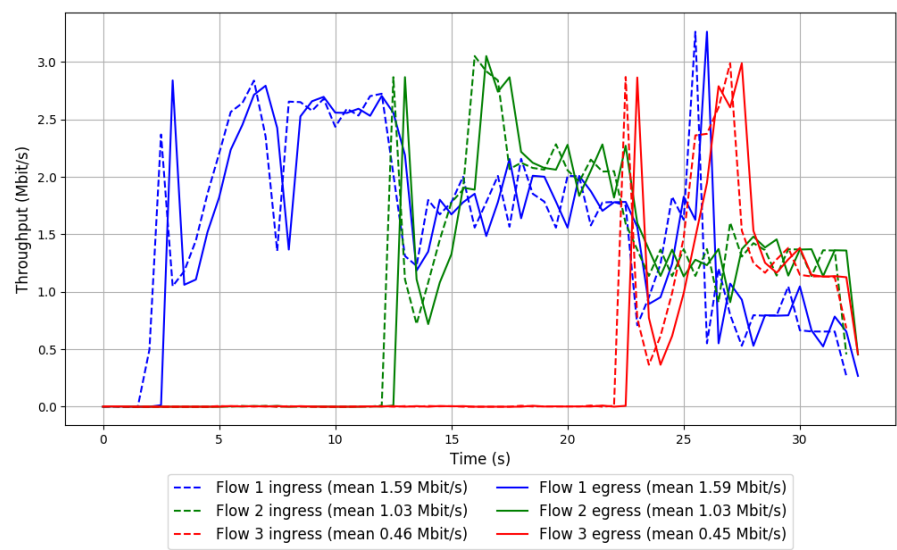


Run 3: Statistics of WebRTC media

Start at: 2018-06-30 14:51:14
End at: 2018-06-30 14:51:44
Local clock offset: -0.897 ms
Remote clock offset: -11.072 ms

Below is generated by plot.py at 2018-06-30 17:57:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 15.596 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 15.559 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 15.579 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 15.802 ms
Loss rate: 0.77%

Run 3: Report of WebRTC media — Data Link

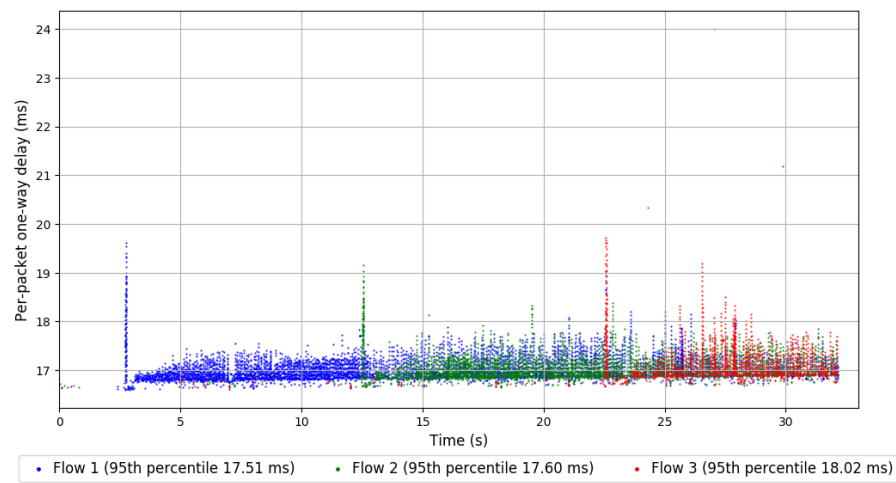
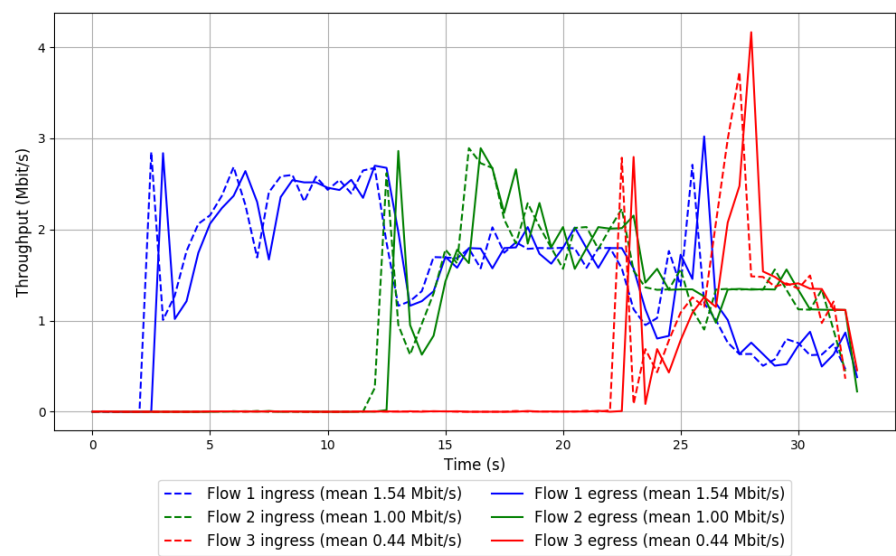


Run 4: Statistics of WebRTC media

Start at: 2018-06-30 15:11:33
End at: 2018-06-30 15:12:03
Local clock offset: 1.463 ms
Remote clock offset: -8.933 ms

Below is generated by plot.py at 2018-06-30 17:57:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.97 Mbit/s
95th percentile per-packet one-way delay: 17.625 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 17.510 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 17.596 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 18.022 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

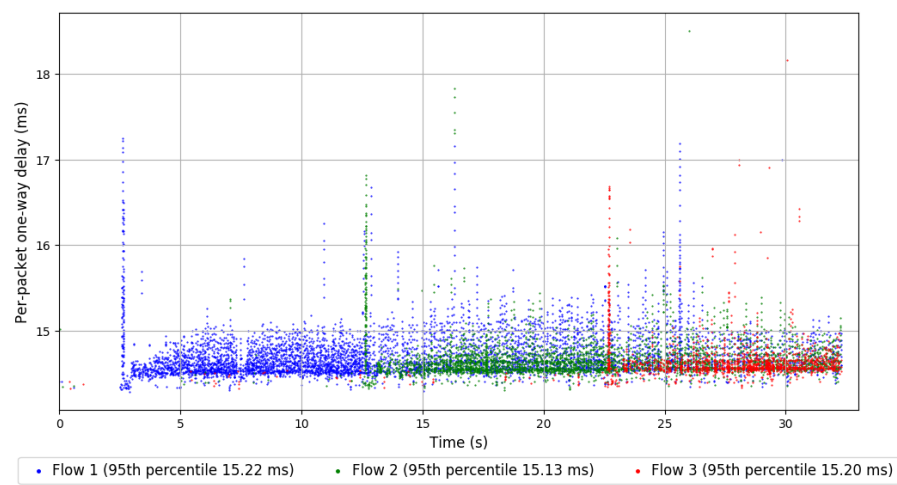
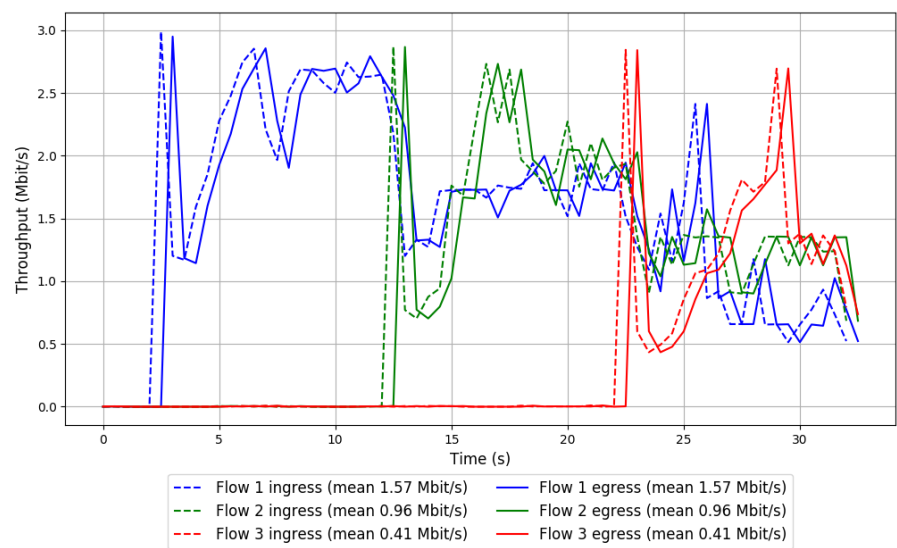


Run 5: Statistics of WebRTC media

Start at: 2018-06-30 15:31:45
End at: 2018-06-30 15:32:15
Local clock offset: -1.846 ms
Remote clock offset: -6.547 ms

Below is generated by plot.py at 2018-06-30 17:57:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.93 Mbit/s
95th percentile per-packet one-way delay: 15.184 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 15.216 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 15.126 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 15.204 ms
Loss rate: 0.64%

Run 5: Report of WebRTC media — Data Link

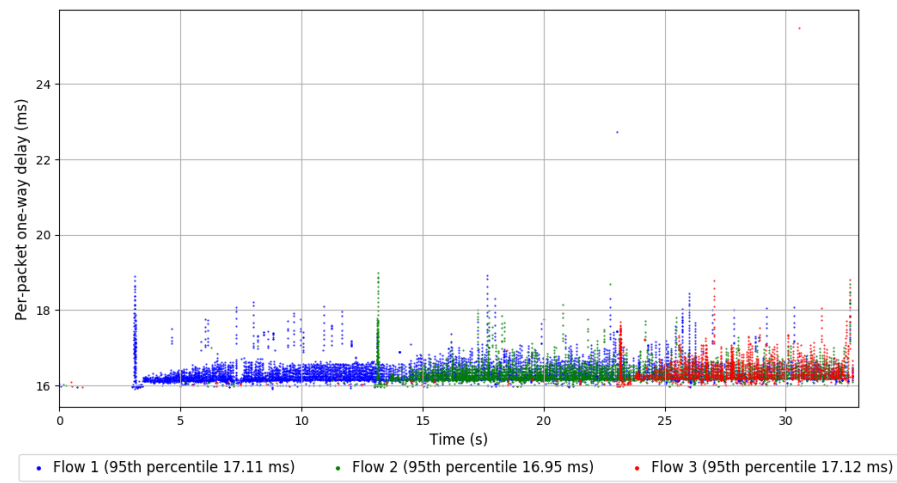
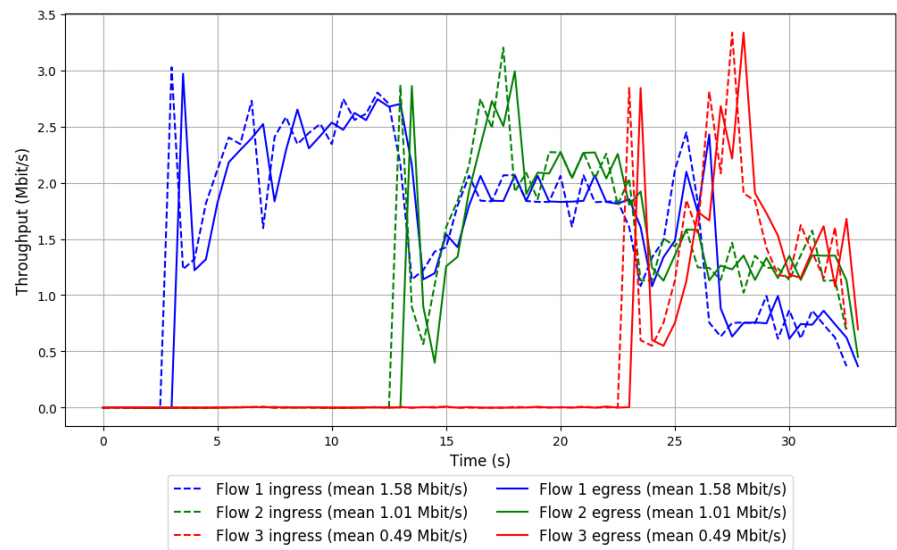


Run 6: Statistics of WebRTC media

Start at: 2018-06-30 15:53:06
End at: 2018-06-30 15:53:36
Local clock offset: 0.496 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-06-30 17:57:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 17.067 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 17.112 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 16.945 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 17.124 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-06-30 16:13:32

End at: 2018-06-30 16:14:02

Local clock offset: 1.869 ms

Remote clock offset: 2.016 ms

Below is generated by plot.py at 2018-06-30 17:57:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.76 Mbit/s

95th percentile per-packet one-way delay: 17.612 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 1.60 Mbit/s

95th percentile per-packet one-way delay: 17.642 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.69 Mbit/s

95th percentile per-packet one-way delay: 17.461 ms

Loss rate: 0.29%

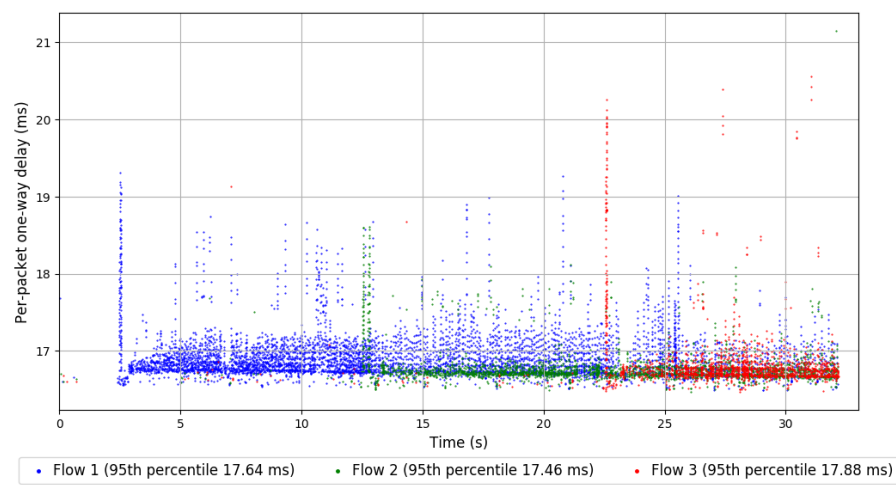
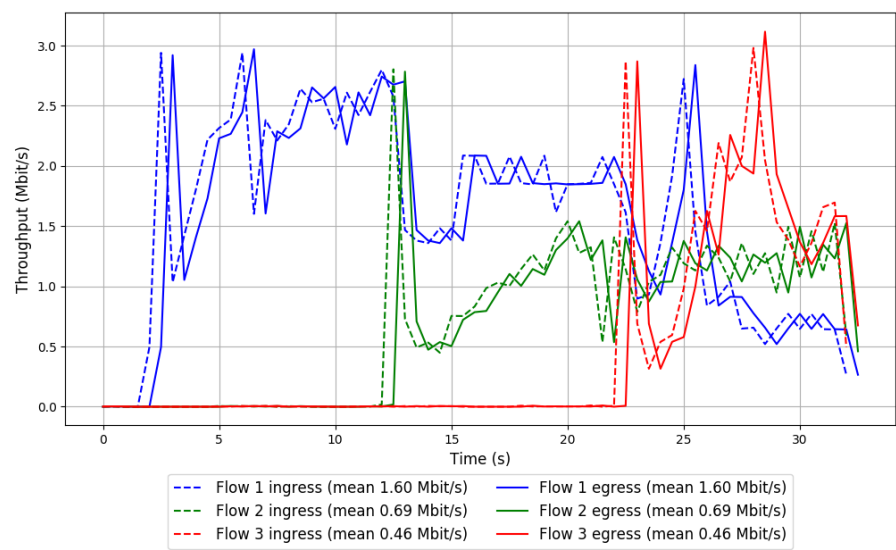
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 17.882 ms

Loss rate: 0.02%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-06-30 16:33:57

End at: 2018-06-30 16:34:27

Local clock offset: 3.037 ms

Remote clock offset: 0.64 ms

Below is generated by plot.py at 2018-06-30 17:57:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.10 Mbit/s

95th percentile per-packet one-way delay: 18.487 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 1.62 Mbit/s

95th percentile per-packet one-way delay: 18.535 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 1.03 Mbit/s

95th percentile per-packet one-way delay: 18.490 ms

Loss rate: 0.00%

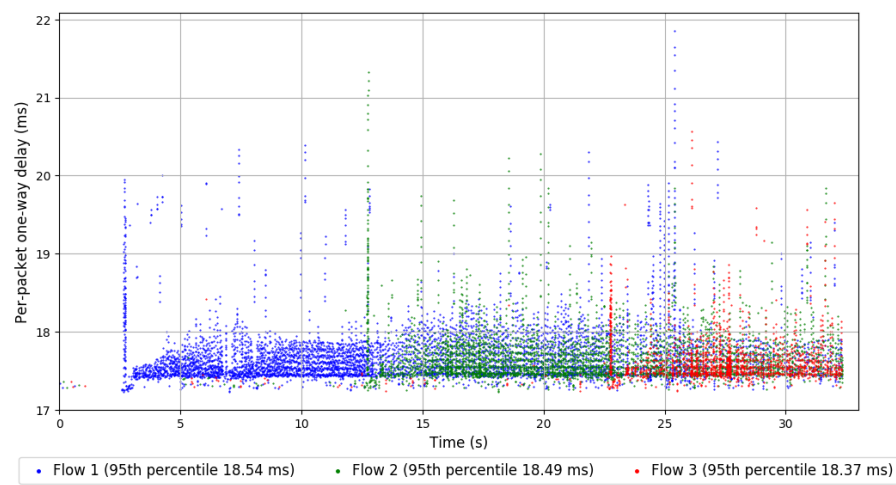
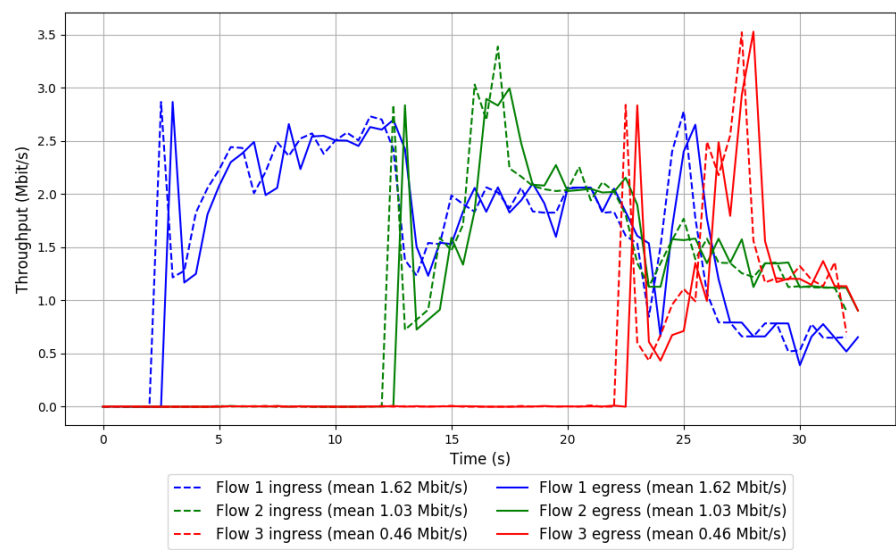
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 18.374 ms

Loss rate: 0.06%

Run 8: Report of WebRTC media — Data Link

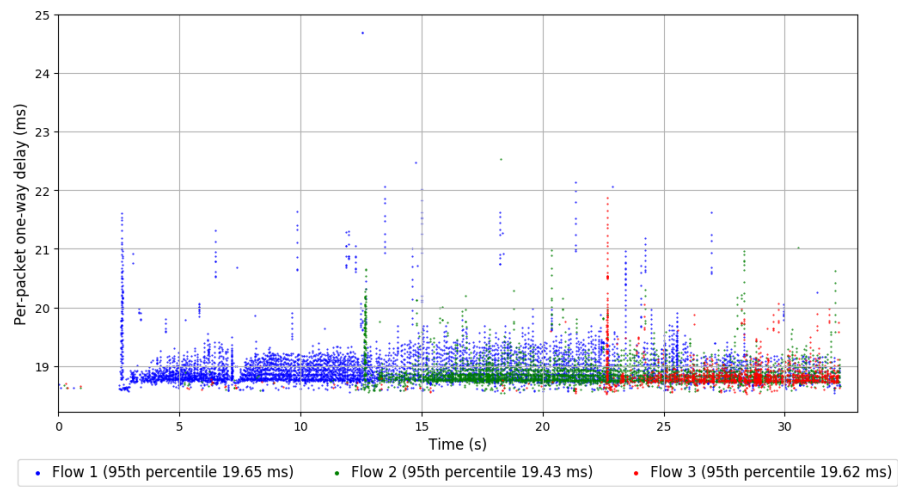
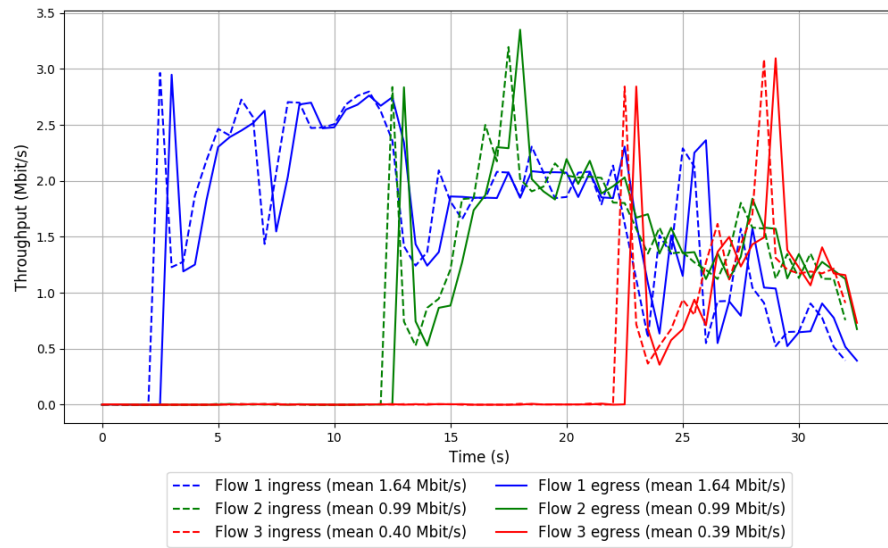


Run 9: Statistics of WebRTC media

Start at: 2018-06-30 16:53:53
End at: 2018-06-30 16:54:23
Local clock offset: 2.928 ms
Remote clock offset: -2.066 ms

Below is generated by plot.py at 2018-06-30 17:57:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.01 Mbit/s
95th percentile per-packet one-way delay: 19.584 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 19.647 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 19.426 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 19.618 ms
Loss rate: 0.93%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-30 17:13:42

End at: 2018-06-30 17:14:12

Local clock offset: 0.415 ms

Remote clock offset: -2.69 ms

Below is generated by plot.py at 2018-06-30 17:57:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.13 Mbit/s

95th percentile per-packet one-way delay: 16.739 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.64 Mbit/s

95th percentile per-packet one-way delay: 16.677 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.01 Mbit/s

95th percentile per-packet one-way delay: 16.693 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 16.947 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

