

Pantheon Report

Generated at 2018-07-25 11:29:01 (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.

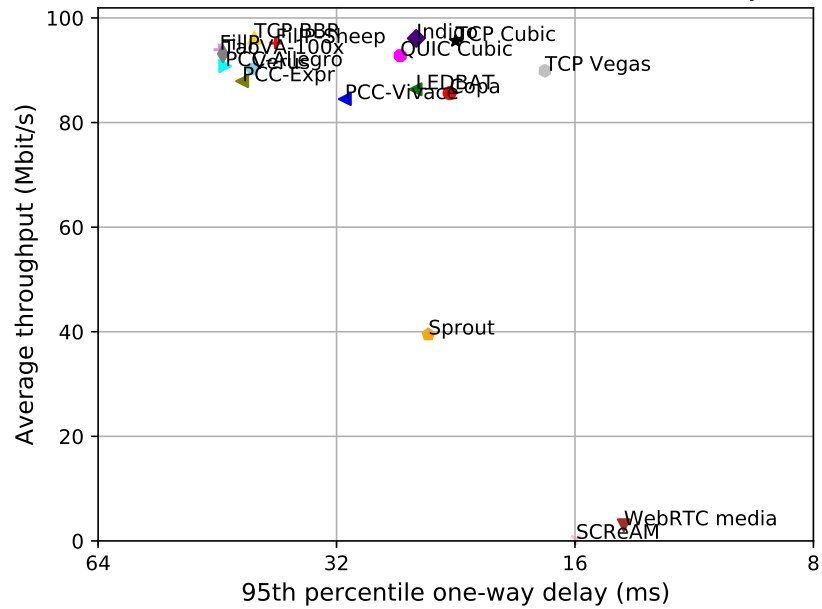
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

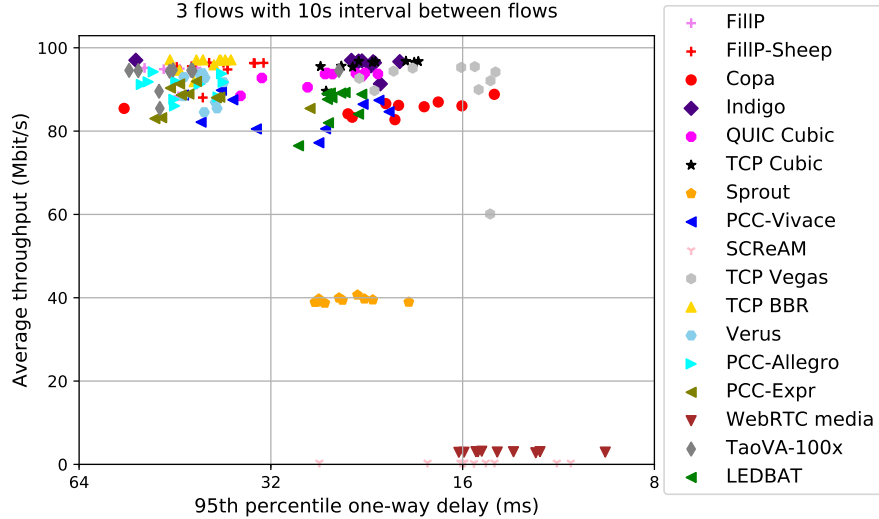
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from 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



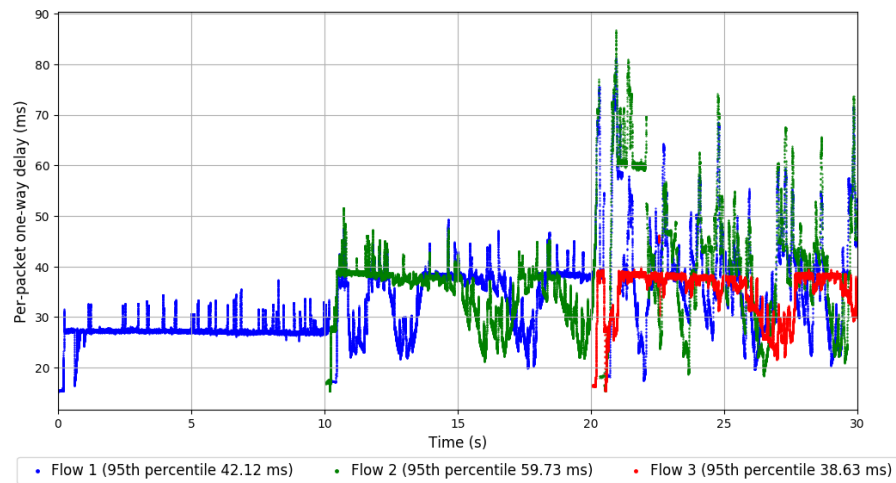
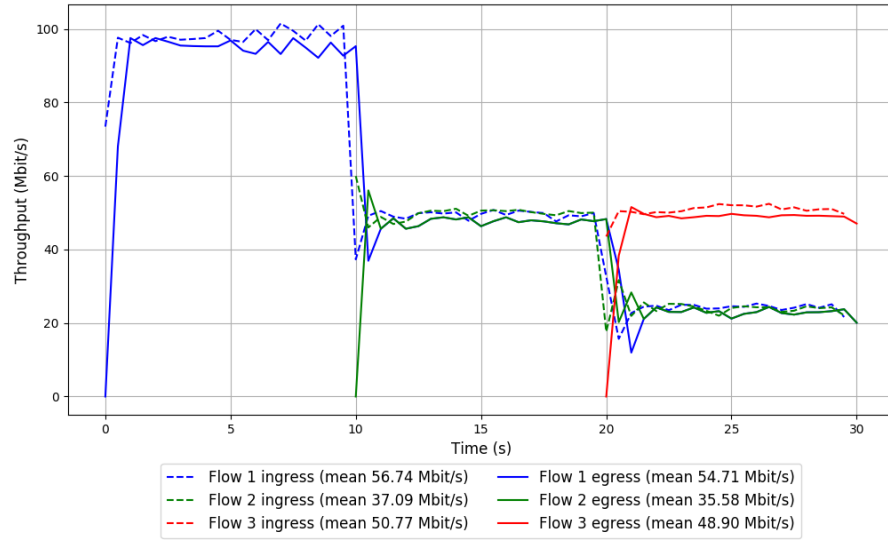
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	57.73	40.31	35.06	38.50	43.93	49.35	3.36	3.68	3.85
Copa	10	52.14	37.01	26.56	23.07	22.50	24.69	0.05	0.12	0.26
TCP Cubic	10	59.34	40.07	28.88	22.70	22.38	23.61	0.08	0.16	0.34
FillP	10	58.99	38.36	28.45	41.01	45.24	46.47	1.79	3.84	4.06
FillP-Sheep	10	58.80	38.09	33.39	36.70	41.69	41.44	1.58	1.89	1.44
Indigo	10	57.01	40.64	36.74	24.89	24.53	25.55	0.07	0.15	0.32
LEDBAT	10	50.19	40.86	26.99	25.11	25.03	28.03	0.09	0.18	0.38
PCC-Allegro	10	58.42	36.86	23.92	42.10	39.49	30.78	4.31	2.03	1.00
PCC-Expr	10	53.96	37.00	28.34	40.39	41.05	38.23	0.67	0.91	0.59
QUIC Cubic	10	56.62	39.66	29.66	25.37	27.21	38.82	0.10	0.20	0.48
SCReAM	10	0.20	0.20	0.22	15.89	15.95	15.90	0.12	0.21	0.35
Sprout	10	19.99	19.72	19.34	23.70	24.70	25.96	0.11	0.16	0.34
TaoVA-100x	10	57.50	39.39	28.40	38.68	41.63	45.98	0.37	0.89	2.23
TCP Vegas	10	53.13	38.14	34.31	17.27	17.58	17.58	0.06	0.12	0.30
Verus	10	54.42	38.97	29.88	37.64	43.98	49.56	0.19	0.31	0.60
PCC-Vivace	10	58.24	29.58	19.97	29.10	34.74	18.94	0.48	0.97	0.48
WebRTC media	10	1.62	0.97	0.41	13.88	13.84	13.98	0.04	0.14	0.37

Run 1: Statistics of TCP BBR

Start at: 2018-07-25 07:38:10
End at: 2018-07-25 07:38:40
Local clock offset: 1.153 ms
Remote clock offset: -1.731 ms

Below is generated by plot.py at 2018-07-25 11:06:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.63 Mbit/s
95th percentile per-packet one-way delay: 44.530 ms
Loss rate: 3.85%
-- Flow 1:
Average throughput: 54.71 Mbit/s
95th percentile per-packet one-way delay: 42.121 ms
Loss rate: 3.68%
-- Flow 2:
Average throughput: 35.58 Mbit/s
95th percentile per-packet one-way delay: 59.731 ms
Loss rate: 4.18%
-- Flow 3:
Average throughput: 48.90 Mbit/s
95th percentile per-packet one-way delay: 38.631 ms
Loss rate: 3.97%

Run 1: Report of TCP BBR — Data Link

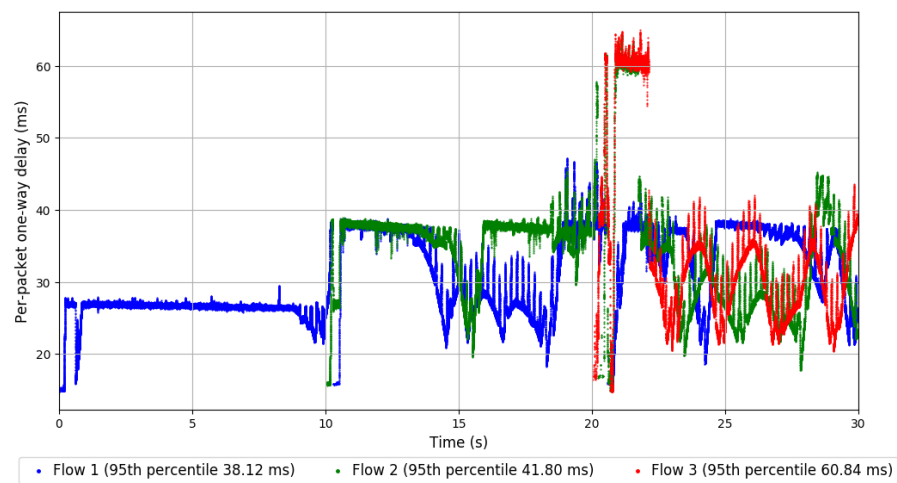
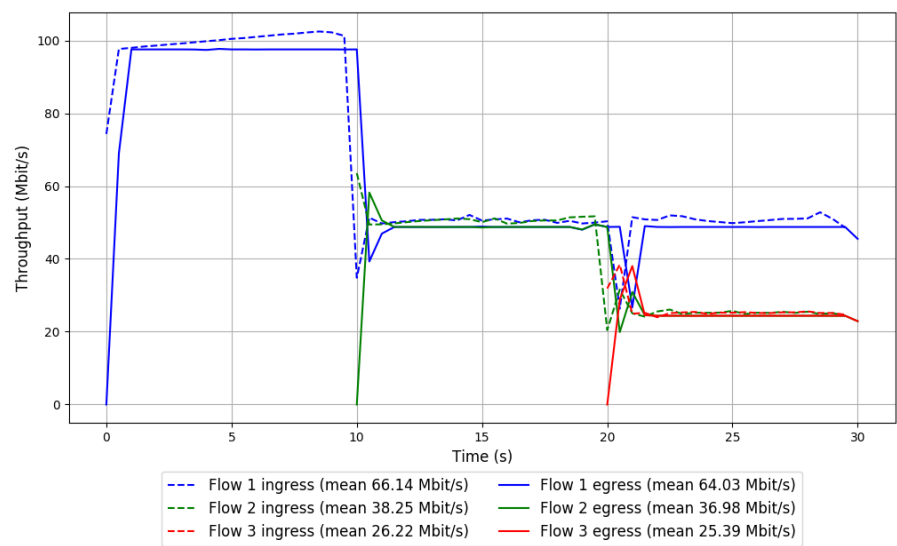


Run 2: Statistics of TCP BBR

Start at: 2018-07-25 08:00:08
End at: 2018-07-25 08:00:38
Local clock offset: -1.484 ms
Remote clock offset: -7.287 ms

Below is generated by plot.py at 2018-07-25 11:06:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.07 Mbit/s
95th percentile per-packet one-way delay: 38.523 ms
Loss rate: 3.33%
-- Flow 1:
Average throughput: 64.03 Mbit/s
95th percentile per-packet one-way delay: 38.118 ms
Loss rate: 3.26%
-- Flow 2:
Average throughput: 36.98 Mbit/s
95th percentile per-packet one-way delay: 41.798 ms
Loss rate: 3.48%
-- Flow 3:
Average throughput: 25.39 Mbit/s
95th percentile per-packet one-way delay: 60.841 ms
Loss rate: 3.45%

Run 2: Report of TCP BBR — Data Link

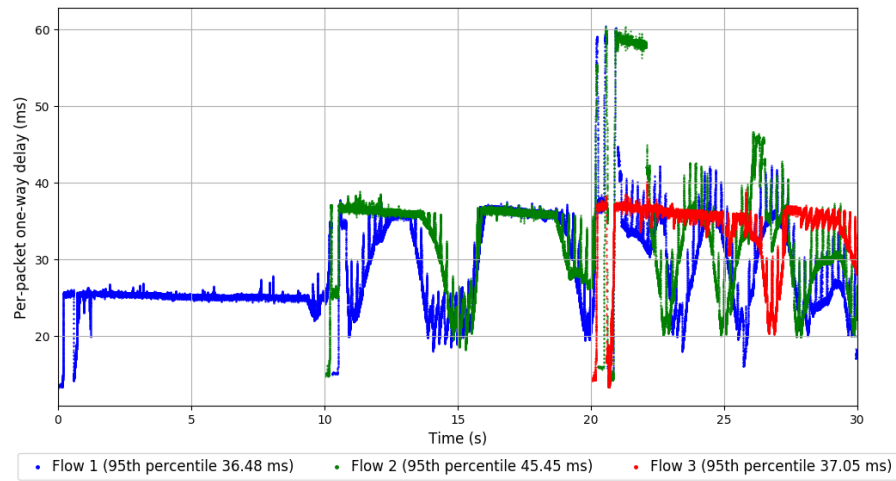
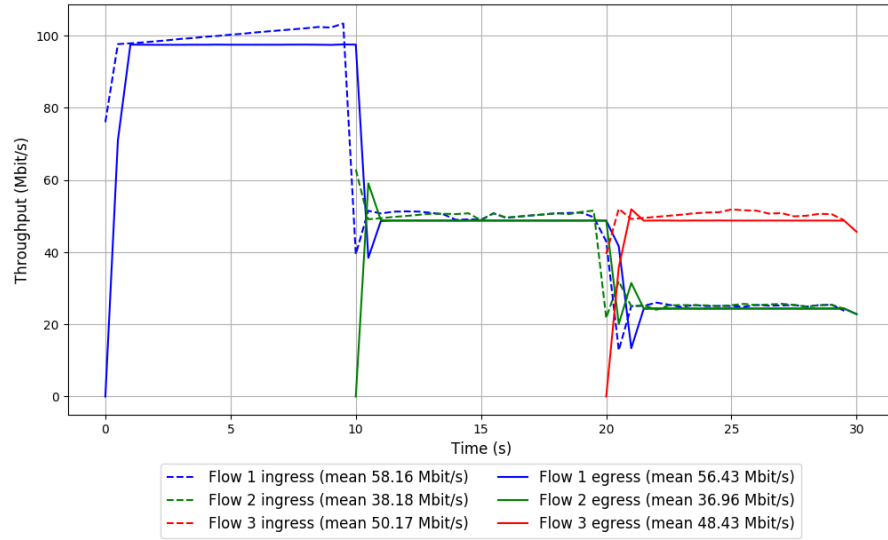


Run 3: Statistics of TCP BBR

Start at: 2018-07-25 08:20:53
End at: 2018-07-25 08:21:23
Local clock offset: -0.91 ms
Remote clock offset: -10.591 ms

Below is generated by plot.py at 2018-07-25 11:06:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 36.970 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 36.483 ms
Loss rate: 3.05%
-- Flow 2:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 45.453 ms
Loss rate: 3.32%
-- Flow 3:
Average throughput: 48.43 Mbit/s
95th percentile per-packet one-way delay: 37.051 ms
Loss rate: 3.76%

Run 3: Report of TCP BBR — Data Link

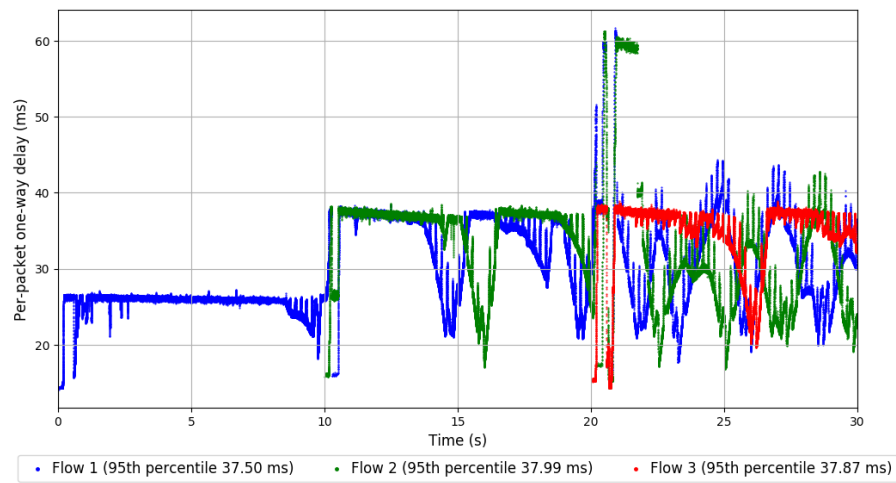
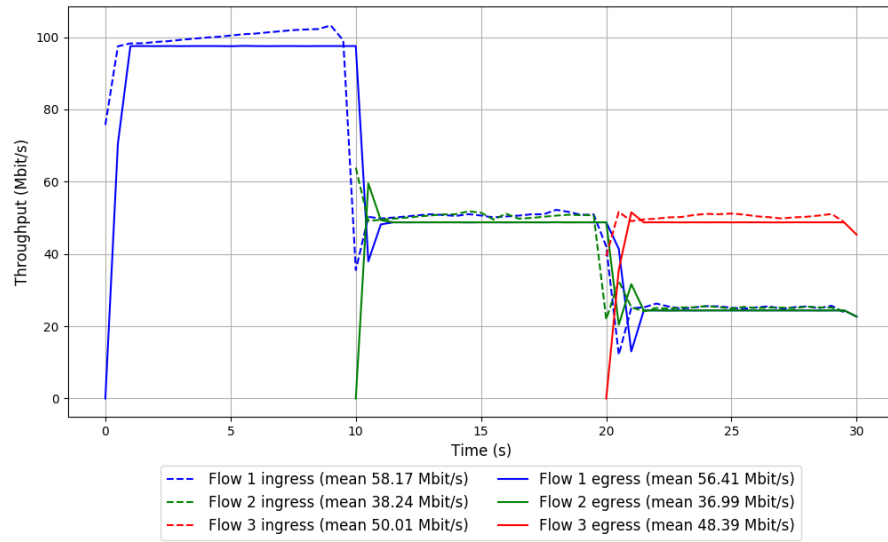


Run 4: Statistics of TCP BBR

Start at: 2018-07-25 08:41:56
End at: 2018-07-25 08:42:26
Local clock offset: -1.342 ms
Remote clock offset: -5.346 ms

Below is generated by plot.py at 2018-07-25 11:06:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 37.733 ms
Loss rate: 3.25%
-- Flow 1:
Average throughput: 56.41 Mbit/s
95th percentile per-packet one-way delay: 37.504 ms
Loss rate: 3.11%
-- Flow 2:
Average throughput: 36.99 Mbit/s
95th percentile per-packet one-way delay: 37.992 ms
Loss rate: 3.41%
-- Flow 3:
Average throughput: 48.39 Mbit/s
95th percentile per-packet one-way delay: 37.869 ms
Loss rate: 3.50%

Run 4: Report of TCP BBR — Data Link

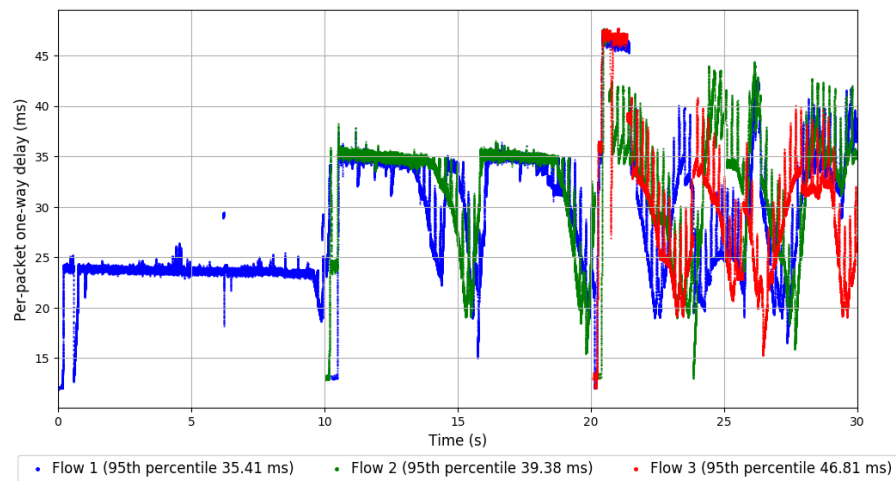
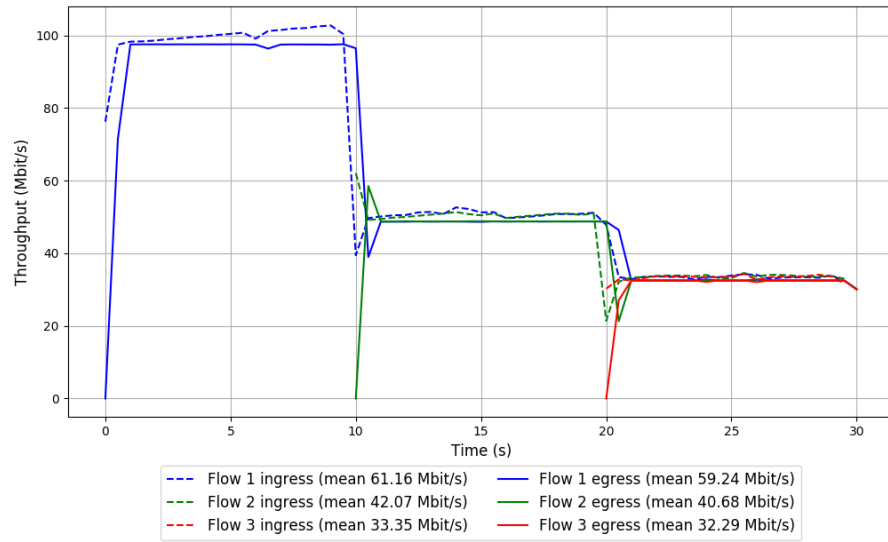


Run 5: Statistics of TCP BBR

Start at: 2018-07-25 09:02:48
End at: 2018-07-25 09:03:18
Local clock offset: -2.15 ms
Remote clock offset: -1.196 ms

Below is generated by plot.py at 2018-07-25 11:06:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 38.350 ms
Loss rate: 3.30%
-- Flow 1:
Average throughput: 59.24 Mbit/s
95th percentile per-packet one-way delay: 35.406 ms
Loss rate: 3.22%
-- Flow 2:
Average throughput: 40.68 Mbit/s
95th percentile per-packet one-way delay: 39.383 ms
Loss rate: 3.42%
-- Flow 3:
Average throughput: 32.29 Mbit/s
95th percentile per-packet one-way delay: 46.812 ms
Loss rate: 3.45%

Run 5: Report of TCP BBR — Data Link

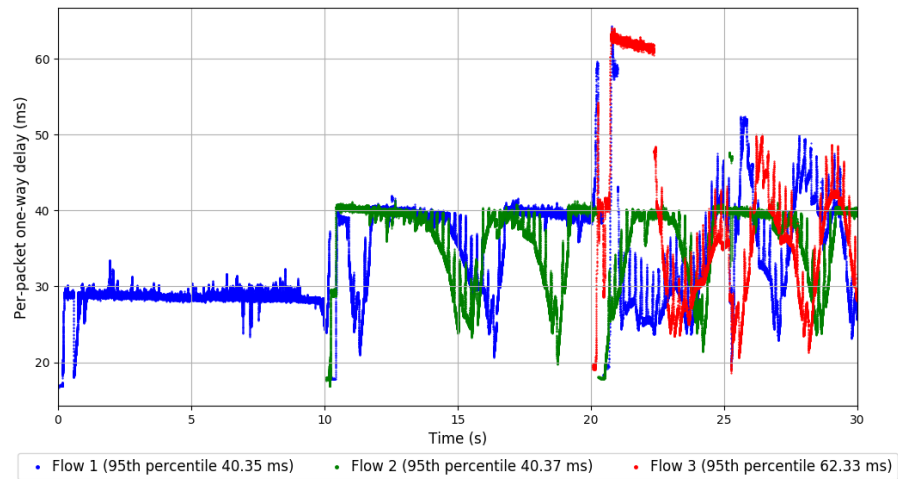
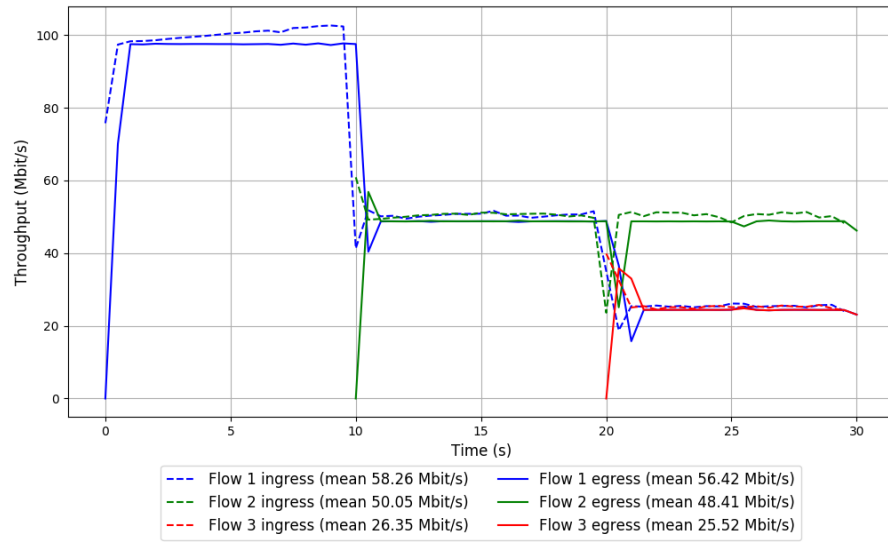


Run 6: Statistics of TCP BBR

Start at: 2018-07-25 09:24:09
End at: 2018-07-25 09:24:39
Local clock offset: 1.289 ms
Remote clock offset: -0.256 ms

Below is generated by plot.py at 2018-07-25 11:06:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 40.910 ms
Loss rate: 3.34%
-- Flow 1:
Average throughput: 56.42 Mbit/s
95th percentile per-packet one-way delay: 40.349 ms
Loss rate: 3.26%
-- Flow 2:
Average throughput: 48.41 Mbit/s
95th percentile per-packet one-way delay: 40.373 ms
Loss rate: 3.47%
-- Flow 3:
Average throughput: 25.52 Mbit/s
95th percentile per-packet one-way delay: 62.329 ms
Loss rate: 3.43%

Run 6: Report of TCP BBR — Data Link

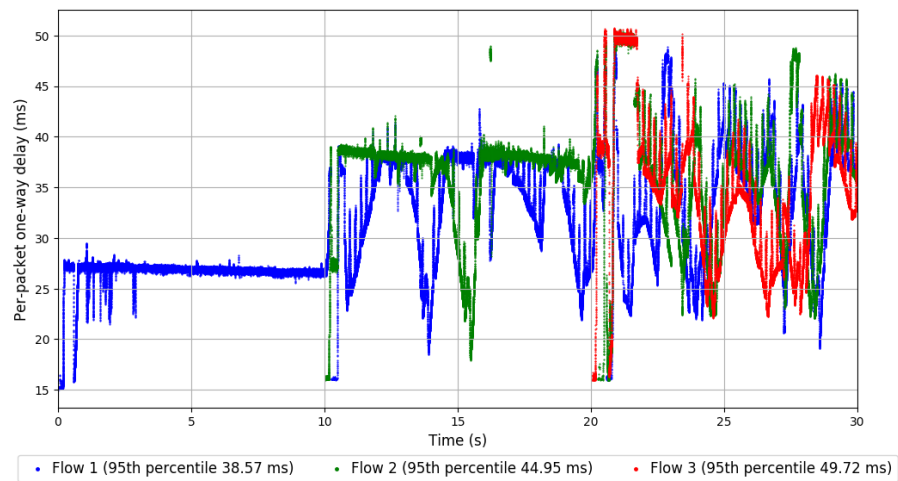
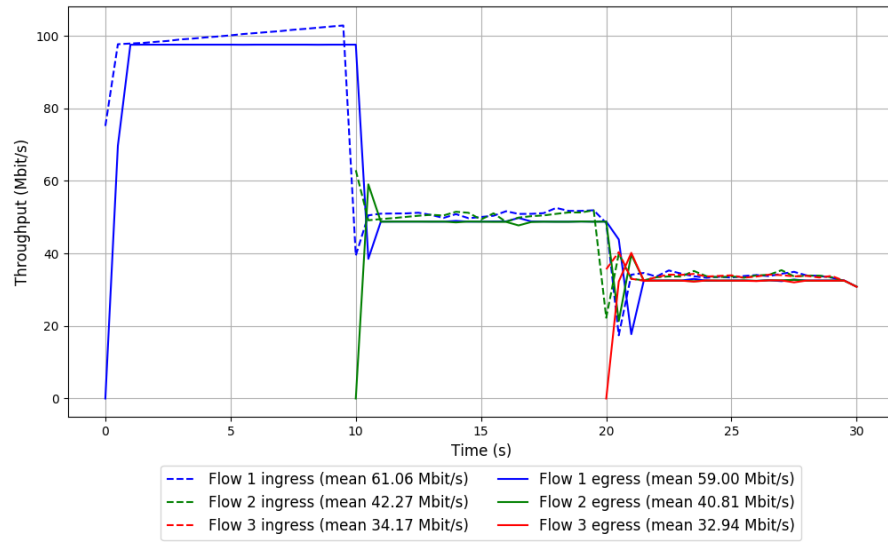


Run 7: Statistics of TCP BBR

Start at: 2018-07-25 09:44:59
End at: 2018-07-25 09:45:29
Local clock offset: 1.256 ms
Remote clock offset: -4.111 ms

Below is generated by plot.py at 2018-07-25 11:06:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 41.880 ms
Loss rate: 3.54%
-- Flow 1:
Average throughput: 59.00 Mbit/s
95th percentile per-packet one-way delay: 38.571 ms
Loss rate: 3.46%
-- Flow 2:
Average throughput: 40.81 Mbit/s
95th percentile per-packet one-way delay: 44.952 ms
Loss rate: 3.58%
-- Flow 3:
Average throughput: 32.94 Mbit/s
95th percentile per-packet one-way delay: 49.716 ms
Loss rate: 3.84%

Run 7: Report of TCP BBR — Data Link

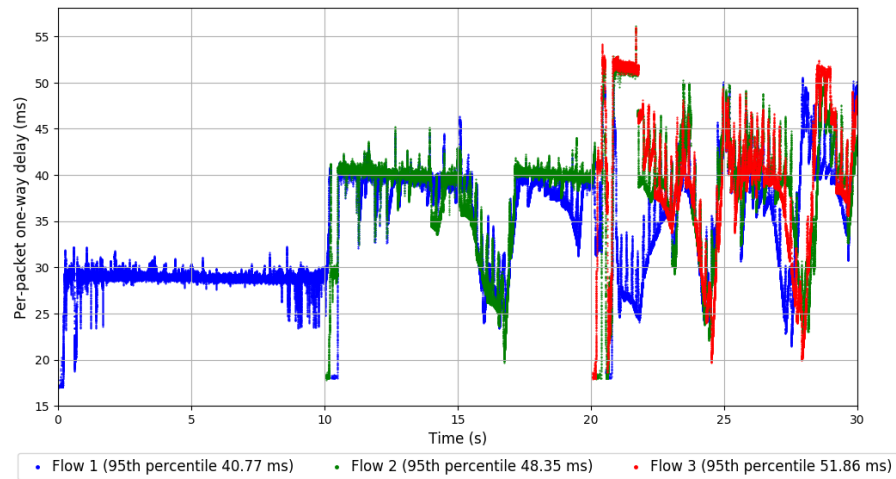
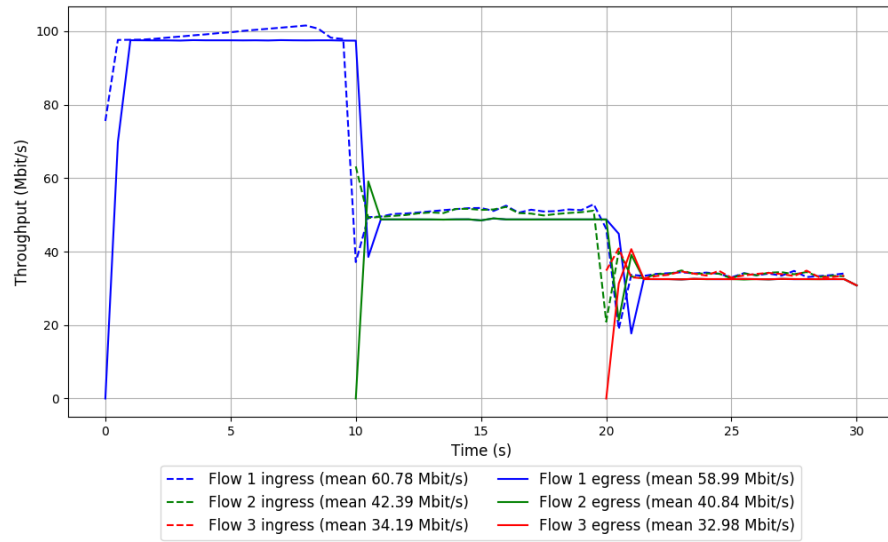


Run 8: Statistics of TCP BBR

Start at: 2018-07-25 10:05:32
End at: 2018-07-25 10:06:02
Local clock offset: 3.16 ms
Remote clock offset: -6.775 ms

Below is generated by plot.py at 2018-07-25 11:06:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 46.080 ms
Loss rate: 3.33%
-- Flow 1:
Average throughput: 58.99 Mbit/s
95th percentile per-packet one-way delay: 40.771 ms
Loss rate: 3.04%
-- Flow 2:
Average throughput: 40.84 Mbit/s
95th percentile per-packet one-way delay: 48.346 ms
Loss rate: 3.78%
-- Flow 3:
Average throughput: 32.98 Mbit/s
95th percentile per-packet one-way delay: 51.857 ms
Loss rate: 3.80%

Run 8: Report of TCP BBR — Data Link

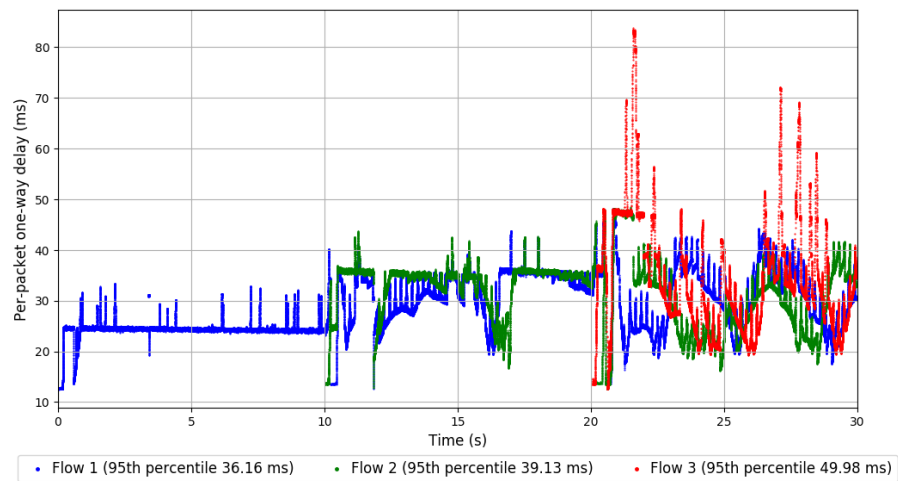
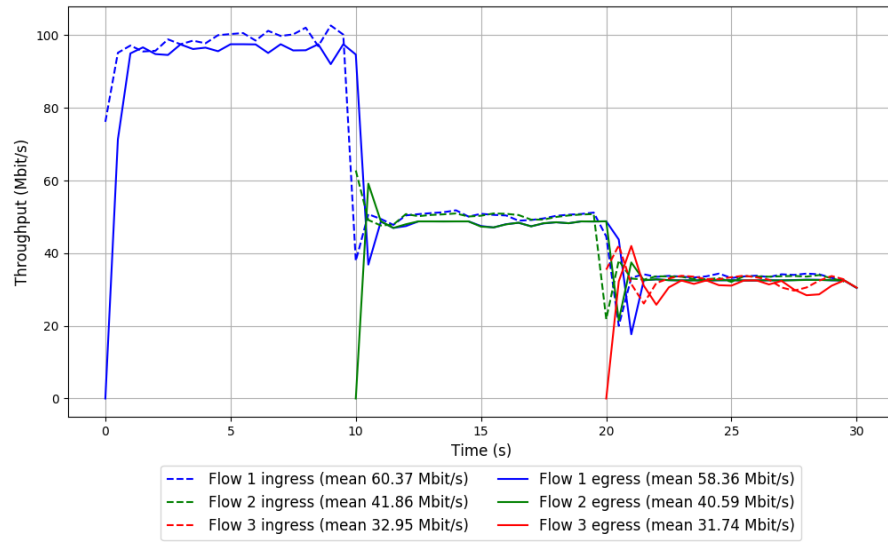


Run 9: Statistics of TCP BBR

Start at: 2018-07-25 10:25:56
End at: 2018-07-25 10:26:26
Local clock offset: 1.287 ms
Remote clock offset: -0.977 ms

Below is generated by plot.py at 2018-07-25 11:07:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 39.302 ms
Loss rate: 3.40%
-- Flow 1:
Average throughput: 58.36 Mbit/s
95th percentile per-packet one-way delay: 36.160 ms
Loss rate: 3.41%
-- Flow 2:
Average throughput: 40.59 Mbit/s
95th percentile per-packet one-way delay: 39.133 ms
Loss rate: 3.16%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 49.976 ms
Loss rate: 3.92%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-25 10:46:32

End at: 2018-07-25 10:47:02

Local clock offset: 1.431 ms

Remote clock offset: -1.72 ms

Below is generated by plot.py at 2018-07-25 11:07:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.88 Mbit/s

95th percentile per-packet one-way delay: 42.225 ms

Loss rate: 4.54%

-- Flow 1:

Average throughput: 53.76 Mbit/s

95th percentile per-packet one-way delay: 39.471 ms

Loss rate: 4.16%

-- Flow 2:

Average throughput: 45.30 Mbit/s

95th percentile per-packet one-way delay: 42.127 ms

Loss rate: 4.98%

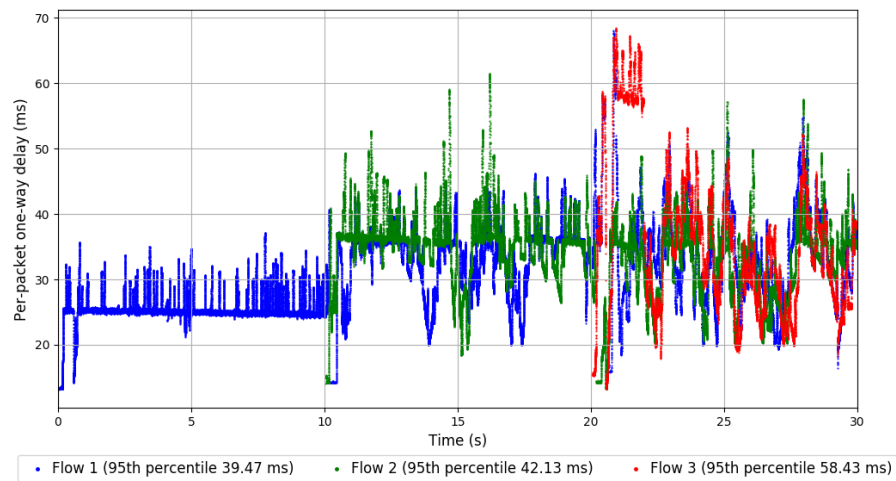
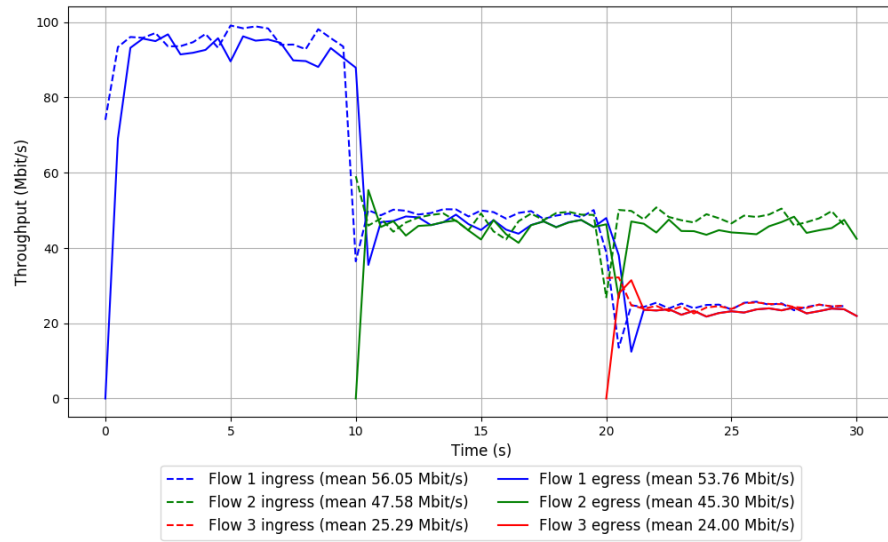
-- Flow 3:

Average throughput: 24.00 Mbit/s

95th percentile per-packet one-way delay: 58.428 ms

Loss rate: 5.37%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-25 07:32:52

End at: 2018-07-25 07:33:22

Local clock offset: 1.617 ms

Remote clock offset: 0.426 ms

Below is generated by plot.py at 2018-07-25 11:08:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.75 Mbit/s

95th percentile per-packet one-way delay: 20.436 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 51.53 Mbit/s

95th percentile per-packet one-way delay: 20.341 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 35.61 Mbit/s

95th percentile per-packet one-way delay: 18.562 ms

Loss rate: 0.19%

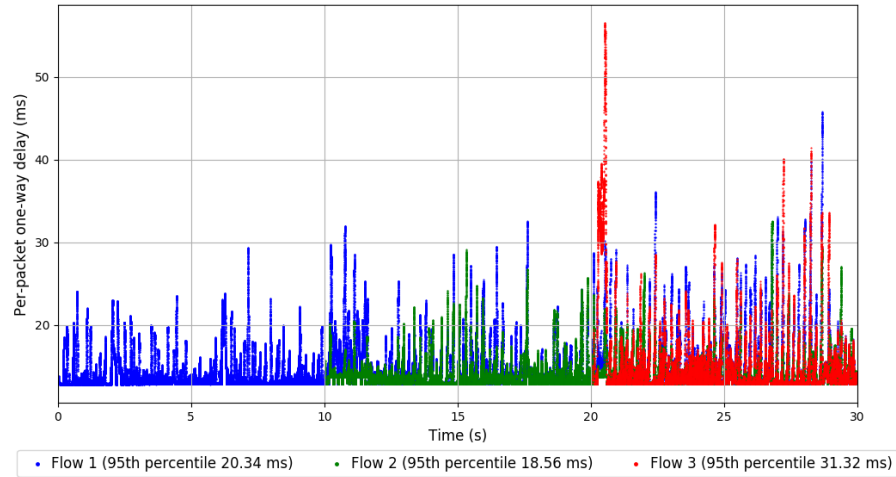
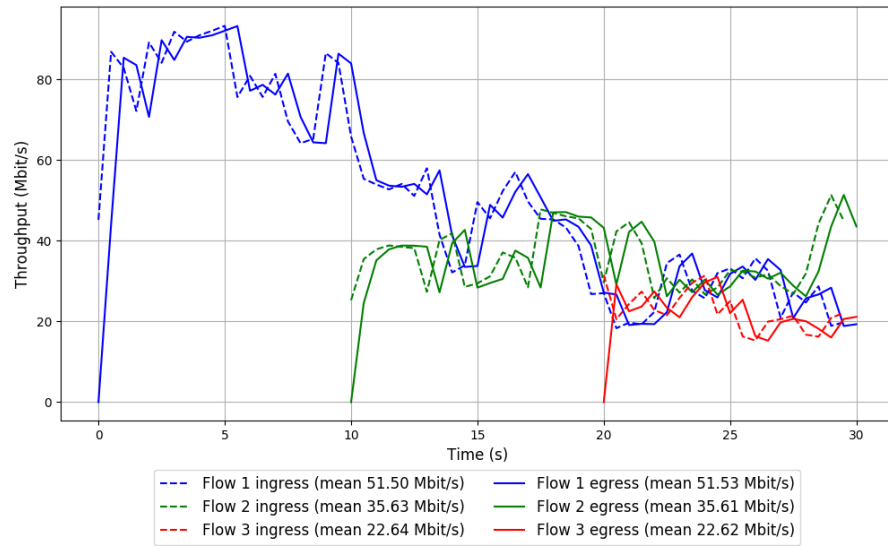
-- Flow 3:

Average throughput: 22.62 Mbit/s

95th percentile per-packet one-way delay: 31.318 ms

Loss rate: 0.38%

Run 1: Report of Copa — Data Link

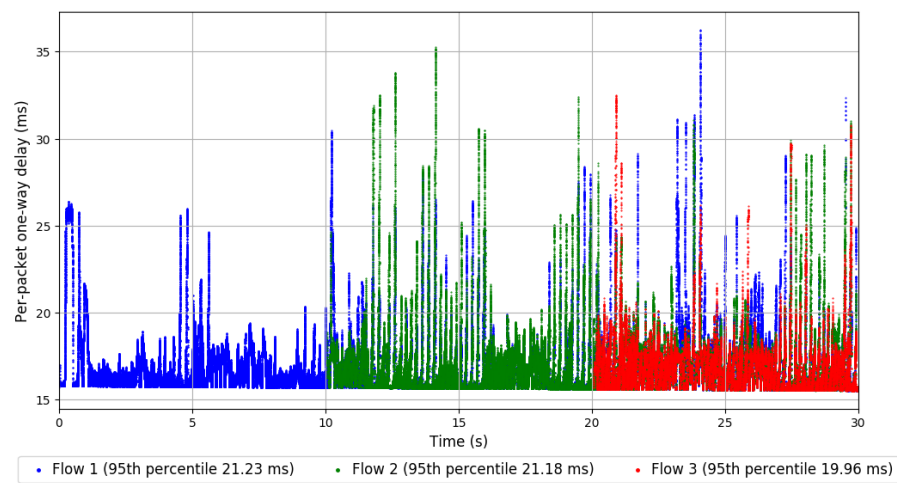
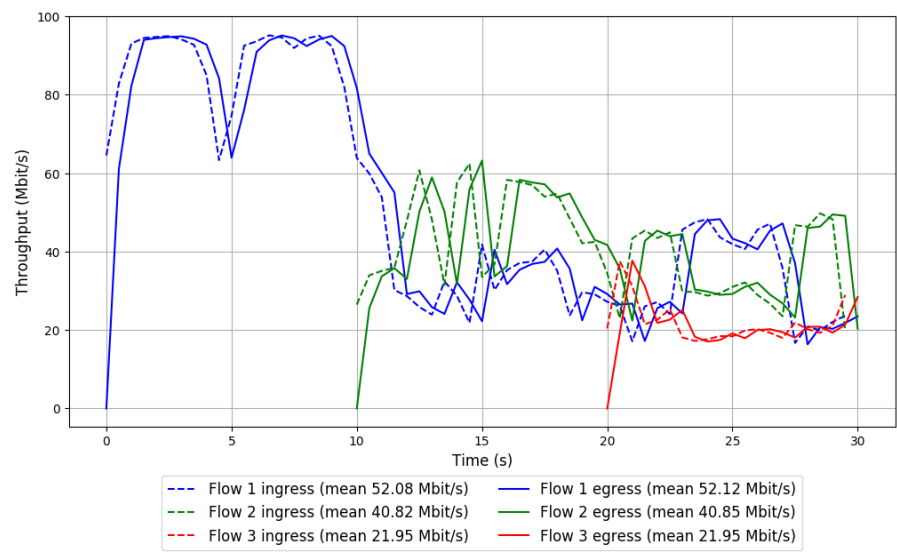


Run 2: Statistics of Copa

Start at: 2018-07-25 07:54:51
End at: 2018-07-25 07:55:21
Local clock offset: -2.505 ms
Remote clock offset: -6.947 ms

Below is generated by plot.py at 2018-07-25 11:08:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.60 Mbit/s
95th percentile per-packet one-way delay: 21.122 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 52.12 Mbit/s
95th percentile per-packet one-way delay: 21.226 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 40.85 Mbit/s
95th percentile per-packet one-way delay: 21.176 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 21.95 Mbit/s
95th percentile per-packet one-way delay: 19.965 ms
Loss rate: 0.27%

Run 2: Report of Copa — Data Link

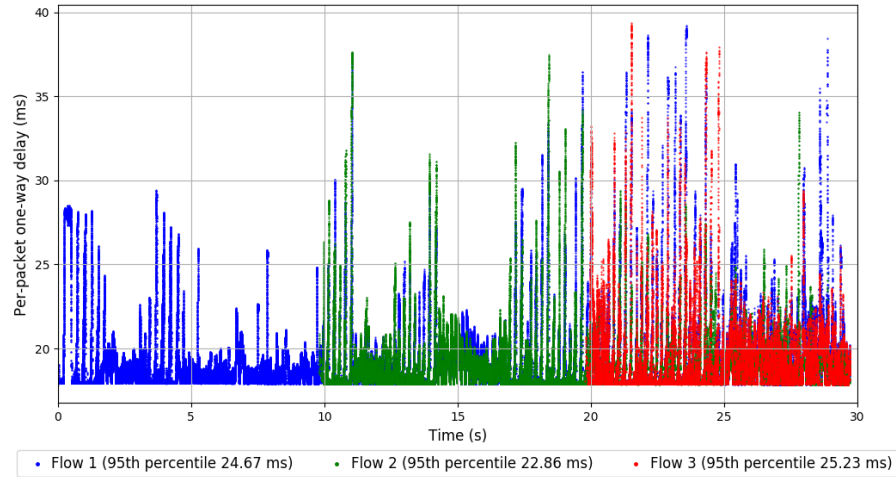
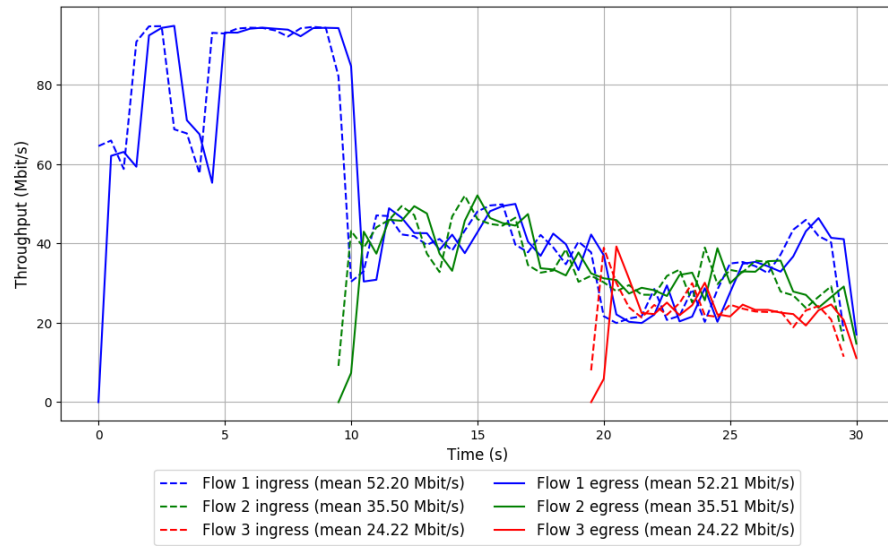


Run 3: Statistics of Copa

Start at: 2018-07-25 08:15:51
End at: 2018-07-25 08:16:21
Local clock offset: 1.449 ms
Remote clock offset: -11.948 ms

Below is generated by plot.py at 2018-07-25 11:08:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.15 Mbit/s
95th percentile per-packet one-way delay: 24.217 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 52.21 Mbit/s
95th percentile per-packet one-way delay: 24.670 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 35.51 Mbit/s
95th percentile per-packet one-way delay: 22.859 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 25.235 ms
Loss rate: 0.26%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-25 08:36:27

End at: 2018-07-25 08:36:57

Local clock offset: -0.093 ms

Remote clock offset: -5.55 ms

Below is generated by plot.py at 2018-07-25 11:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.18 Mbit/s

95th percentile per-packet one-way delay: 20.170 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 51.95 Mbit/s

95th percentile per-packet one-way delay: 20.106 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 38.61 Mbit/s

95th percentile per-packet one-way delay: 19.355 ms

Loss rate: 0.14%

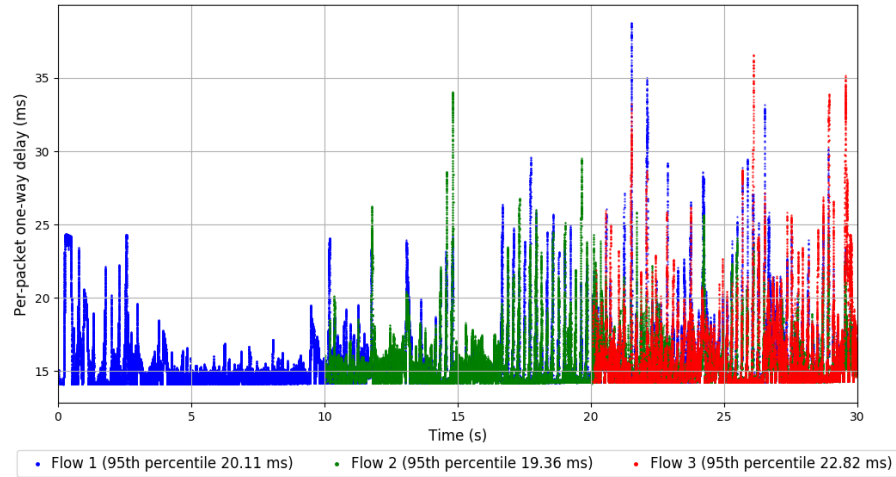
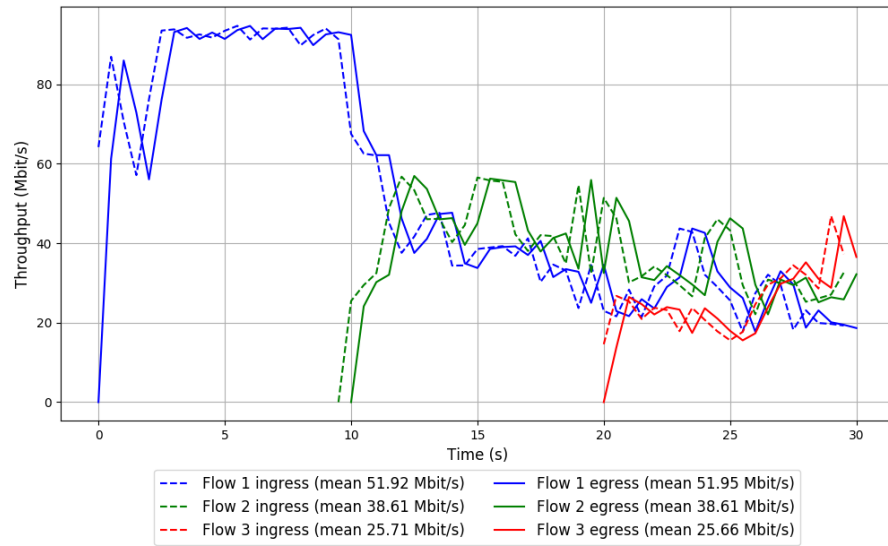
-- Flow 3:

Average throughput: 25.66 Mbit/s

95th percentile per-packet one-way delay: 22.825 ms

Loss rate: 0.44%

Run 4: Report of Copa — Data Link

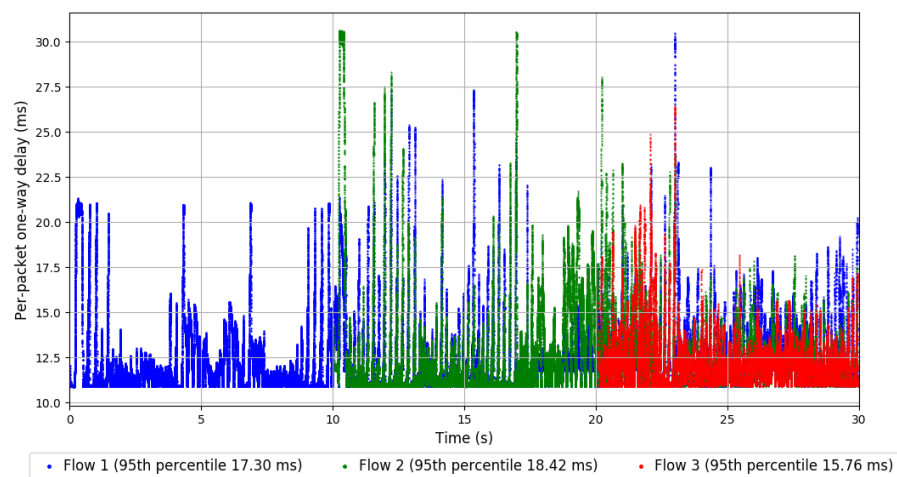
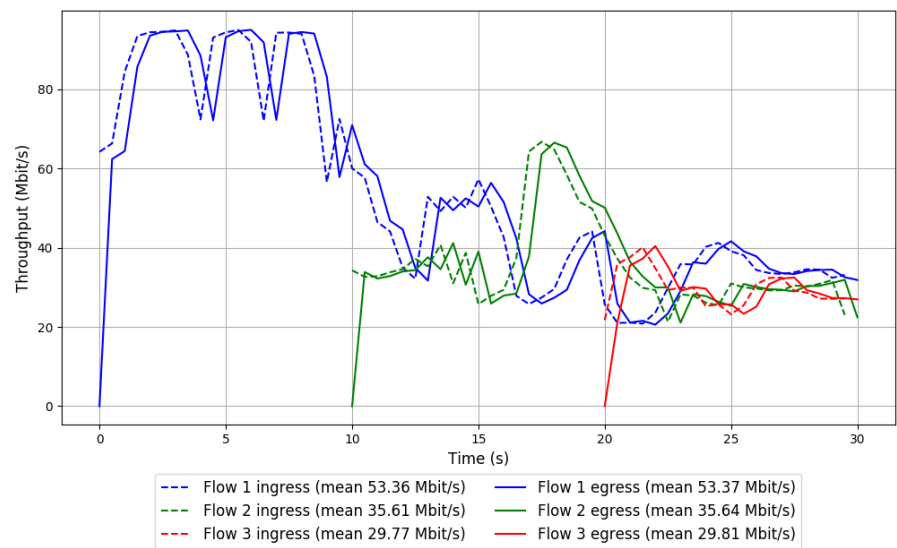


Run 5: Statistics of Copa

Start at: 2018-07-25 08:57:43
End at: 2018-07-25 08:58:13
Local clock offset: -2.682 ms
Remote clock offset: -1.522 ms

Below is generated by plot.py at 2018-07-25 11:08:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 17.476 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 53.37 Mbit/s
95th percentile per-packet one-way delay: 17.297 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 35.64 Mbit/s
95th percentile per-packet one-way delay: 18.417 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 15.757 ms
Loss rate: 0.14%

Run 5: Report of Copa — Data Link

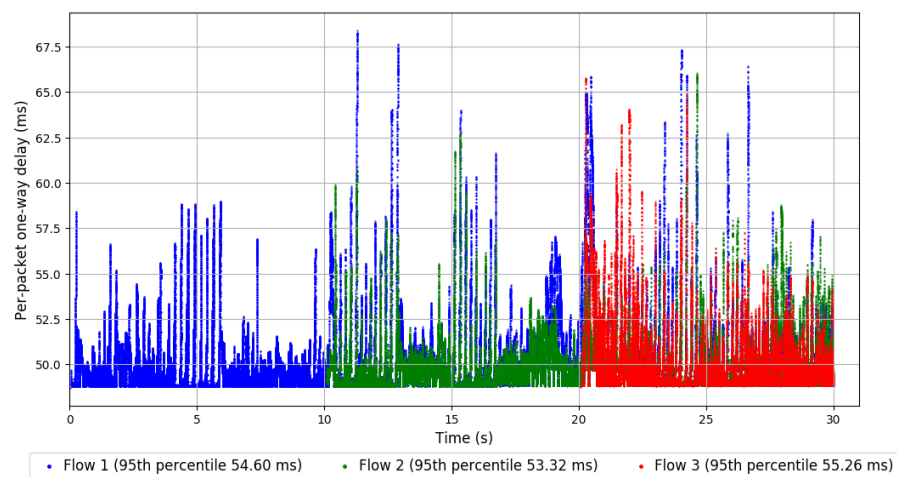
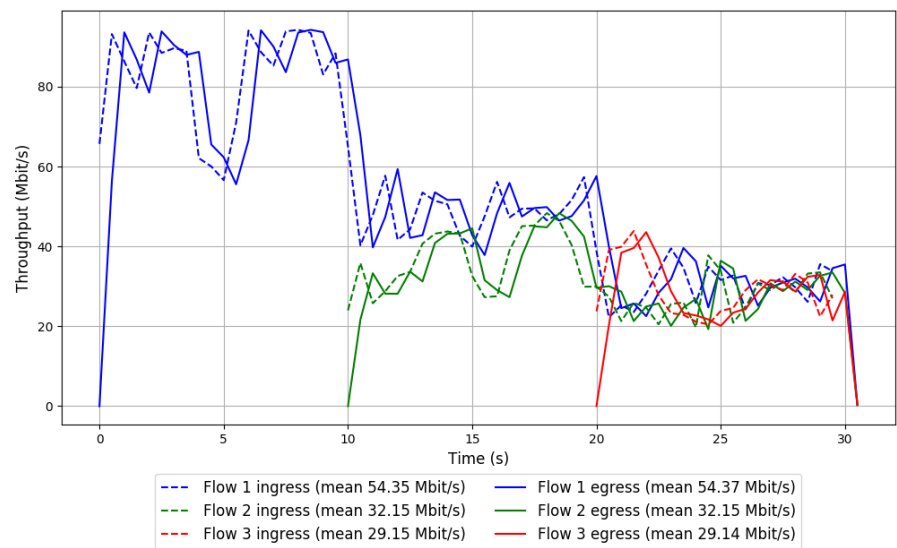


Run 6: Statistics of Copa

Start at: 2018-07-25 09:18:40
End at: 2018-07-25 09:19:10
Local clock offset: -0.693 ms
Remote clock offset: -34.68 ms

Below is generated by plot.py at 2018-07-25 11:08:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.45 Mbit/s
95th percentile per-packet one-way delay: 54.388 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 54.37 Mbit/s
95th percentile per-packet one-way delay: 54.599 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 32.15 Mbit/s
95th percentile per-packet one-way delay: 53.316 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 29.14 Mbit/s
95th percentile per-packet one-way delay: 55.264 ms
Loss rate: 0.28%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-25 09:39:51

End at: 2018-07-25 09:40:21

Local clock offset: -0.946 ms

Remote clock offset: 2.031 ms

Below is generated by plot.py at 2018-07-25 11:09:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.83 Mbit/s

95th percentile per-packet one-way delay: 14.270 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 51.61 Mbit/s

95th percentile per-packet one-way delay: 14.502 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 39.13 Mbit/s

95th percentile per-packet one-way delay: 12.639 ms

Loss rate: 0.13%

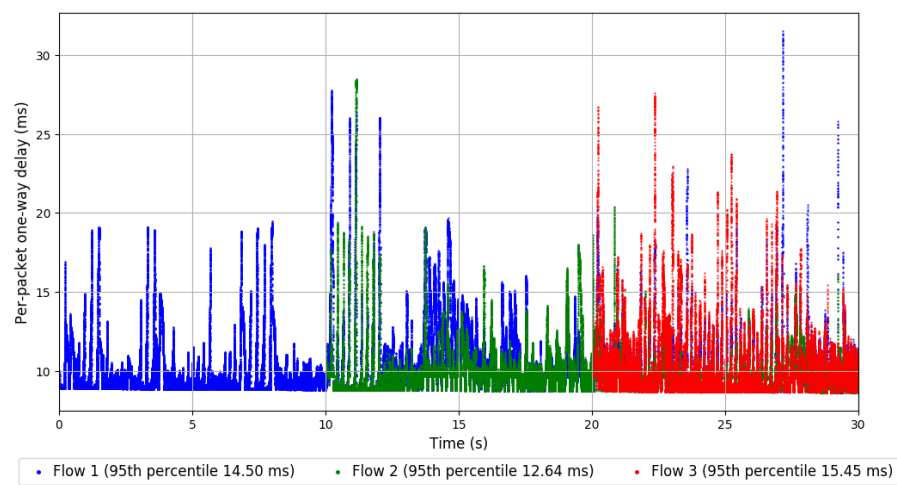
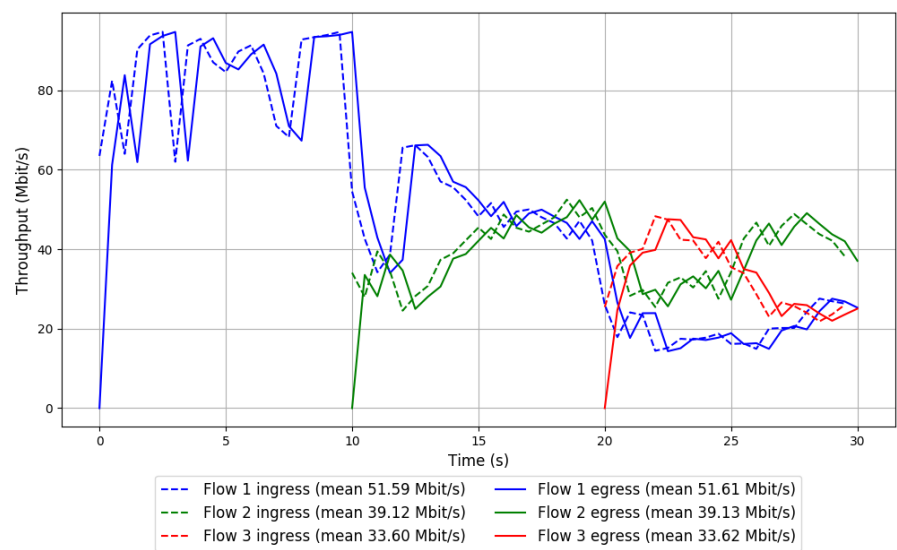
-- Flow 3:

Average throughput: 33.62 Mbit/s

95th percentile per-packet one-way delay: 15.445 ms

Loss rate: 0.22%

Run 7: Report of Copa — Data Link

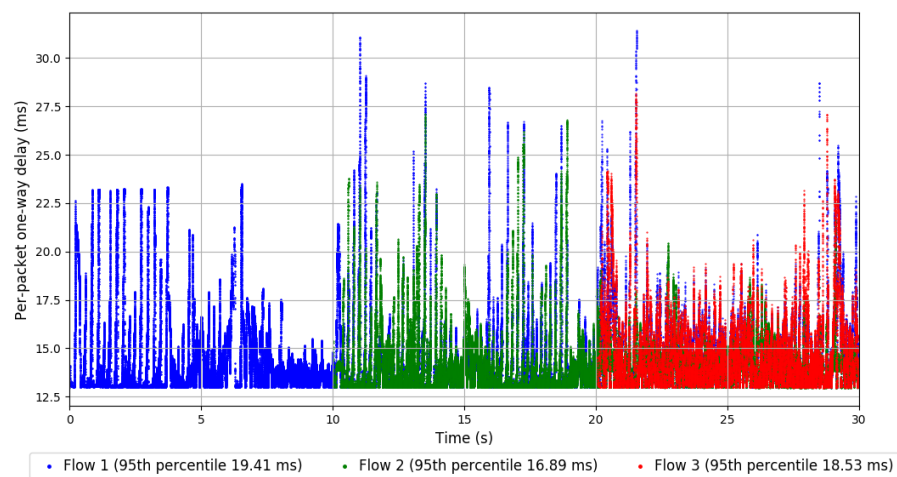
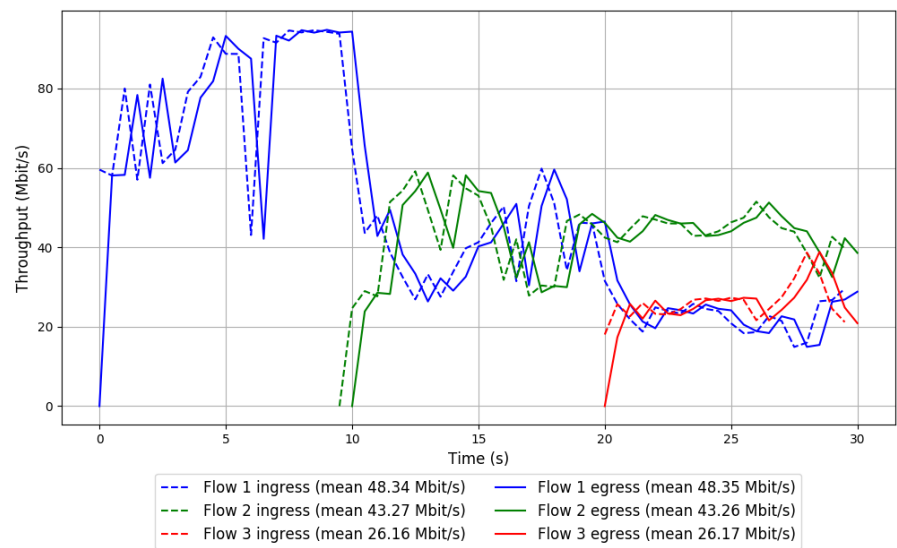


Run 8: Statistics of Copa

Start at: 2018-07-25 10:00:20
End at: 2018-07-25 10:00:50
Local clock offset: 1.04 ms
Remote clock offset: -4.696 ms

Below is generated by plot.py at 2018-07-25 11:09:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.85 Mbit/s
95th percentile per-packet one-way delay: 18.388 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 48.35 Mbit/s
95th percentile per-packet one-way delay: 19.406 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 43.26 Mbit/s
95th percentile per-packet one-way delay: 16.895 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 26.17 Mbit/s
95th percentile per-packet one-way delay: 18.533 ms
Loss rate: 0.20%

Run 8: Report of Copa — Data Link

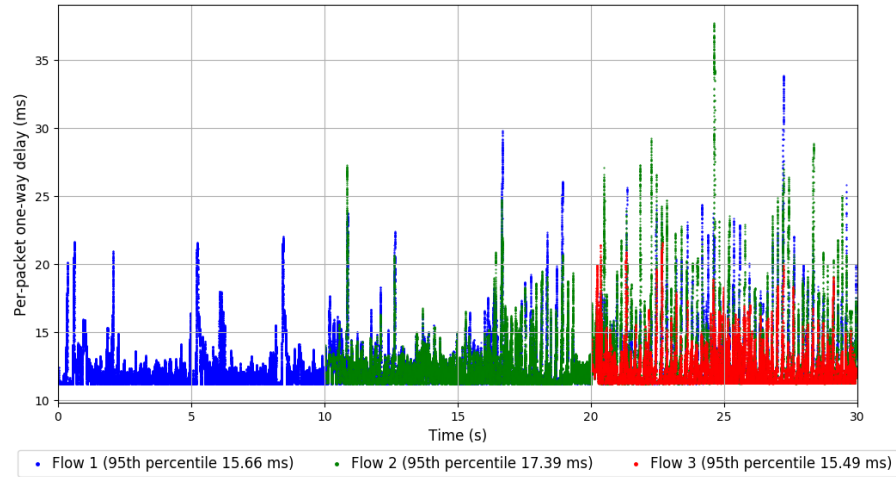
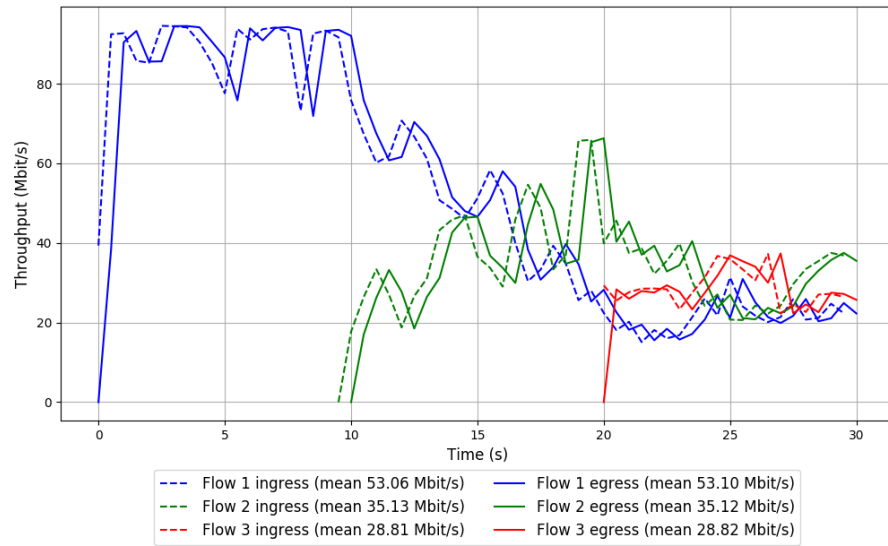


Run 9: Statistics of Copa

Start at: 2018-07-25 10:20:52
End at: 2018-07-25 10:21:22
Local clock offset: -1.571 ms
Remote clock offset: -2.825 ms

Below is generated by plot.py at 2018-07-25 11:10:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.06 Mbit/s
95th percentile per-packet one-way delay: 16.040 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 53.10 Mbit/s
95th percentile per-packet one-way delay: 15.661 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 35.12 Mbit/s
95th percentile per-packet one-way delay: 17.385 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 28.82 Mbit/s
95th percentile per-packet one-way delay: 15.486 ms
Loss rate: 0.22%

Run 9: Report of Copa — Data Link

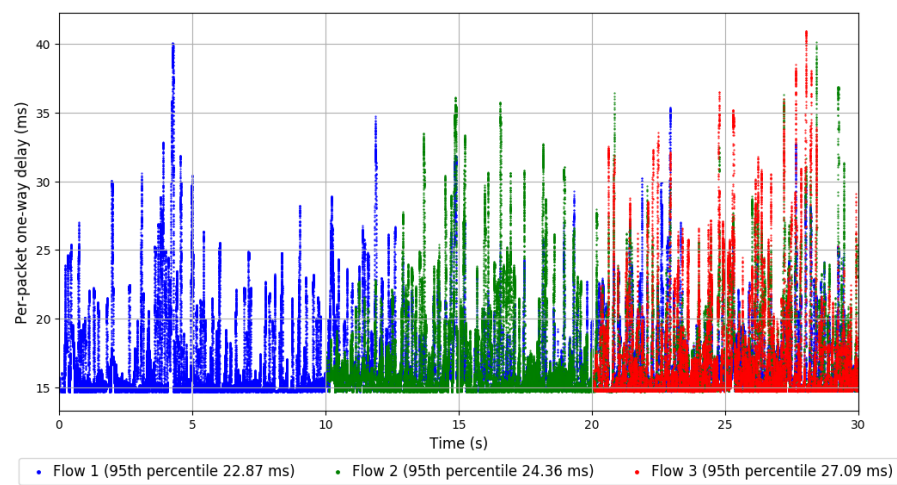
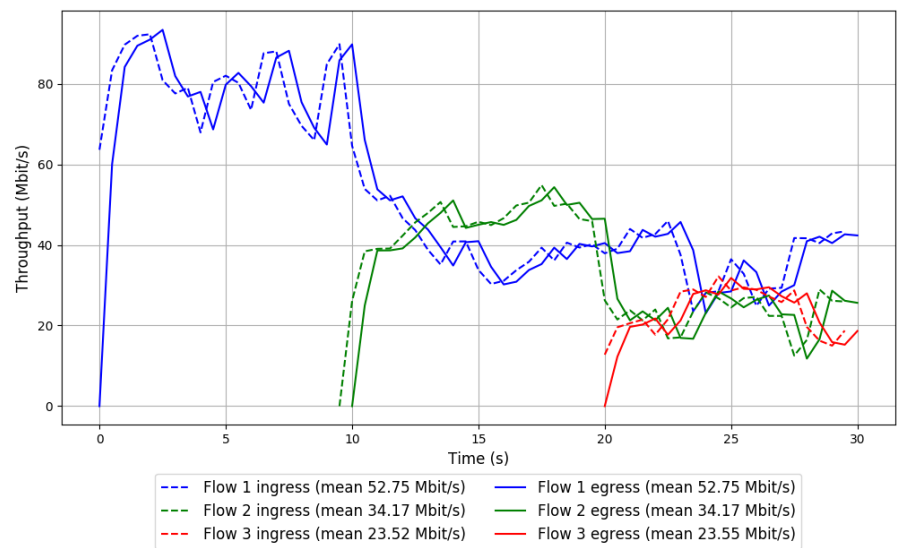


Run 10: Statistics of Copa

Start at: 2018-07-25 10:41:36
End at: 2018-07-25 10:42:06
Local clock offset: 1.655 ms
Remote clock offset: -1.489 ms

Below is generated by plot.py at 2018-07-25 11:10:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.33 Mbit/s
95th percentile per-packet one-way delay: 23.849 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 52.75 Mbit/s
95th percentile per-packet one-way delay: 22.874 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 34.17 Mbit/s
95th percentile per-packet one-way delay: 24.355 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 23.55 Mbit/s
95th percentile per-packet one-way delay: 27.091 ms
Loss rate: 0.14%

Run 10: Report of Copa — Data Link

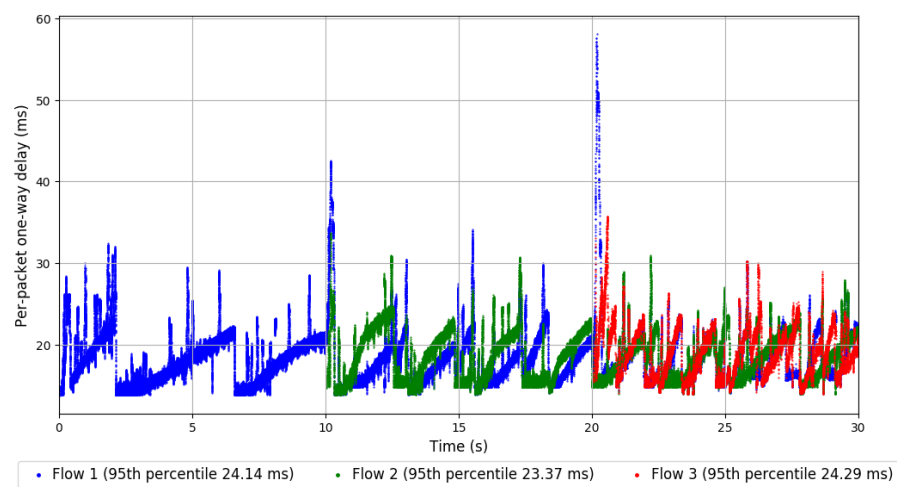
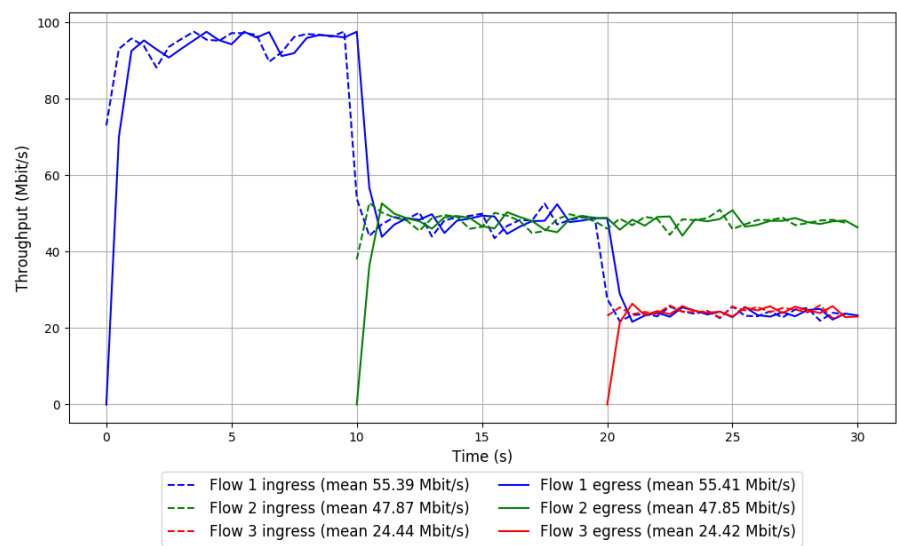


Run 1: Statistics of TCP Cubic

Start at: 2018-07-25 07:39:27
End at: 2018-07-25 07:39:57
Local clock offset: -1.066 ms
Remote clock offset: -2.323 ms

Below is generated by plot.py at 2018-07-25 11:10:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.39 Mbit/s
95th percentile per-packet one-way delay: 23.816 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 55.41 Mbit/s
95th percentile per-packet one-way delay: 24.139 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 47.85 Mbit/s
95th percentile per-packet one-way delay: 23.374 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 24.289 ms
Loss rate: 0.36%

Run 1: Report of TCP Cubic — Data Link

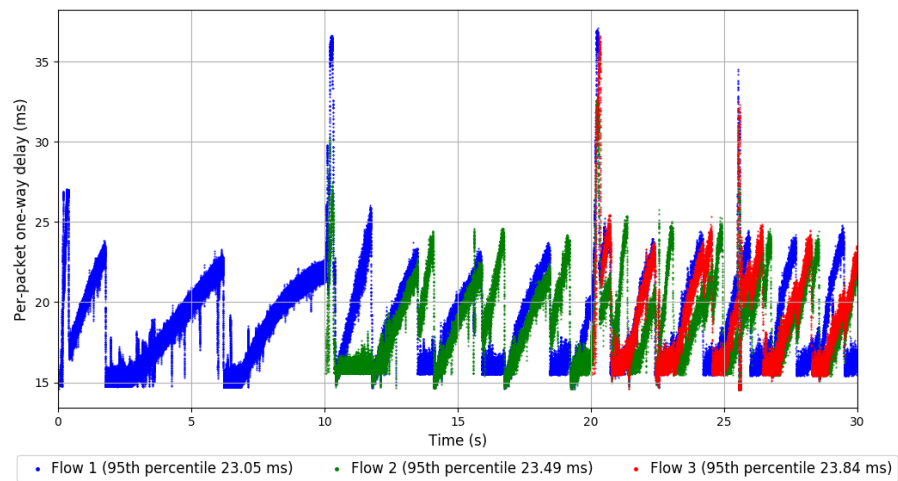
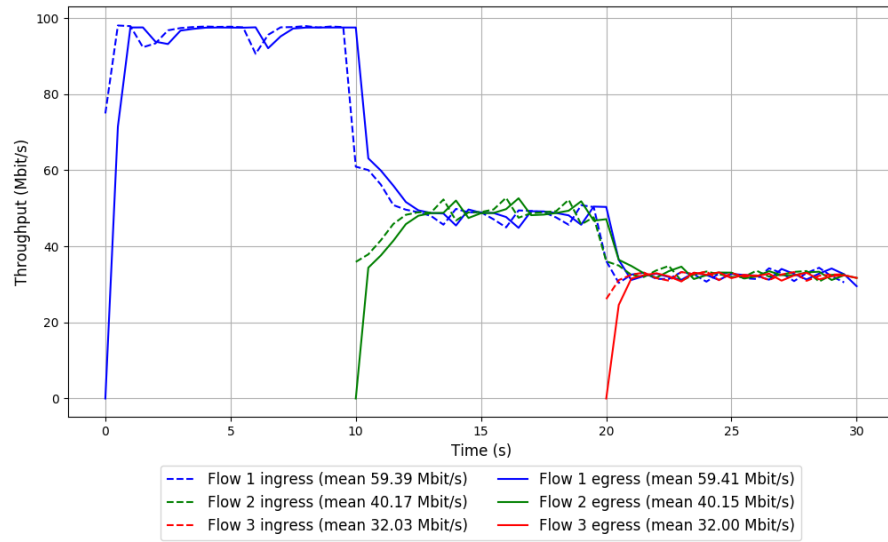


Run 2: Statistics of TCP Cubic

Start at: 2018-07-25 08:01:28
End at: 2018-07-25 08:01:58
Local clock offset: -1.155 ms
Remote clock offset: -7.267 ms

Below is generated by plot.py at 2018-07-25 11:10:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 23.293 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.41 Mbit/s
95th percentile per-packet one-way delay: 23.047 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.15 Mbit/s
95th percentile per-packet one-way delay: 23.490 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 32.00 Mbit/s
95th percentile per-packet one-way delay: 23.841 ms
Loss rate: 0.38%

Run 2: Report of TCP Cubic — Data Link

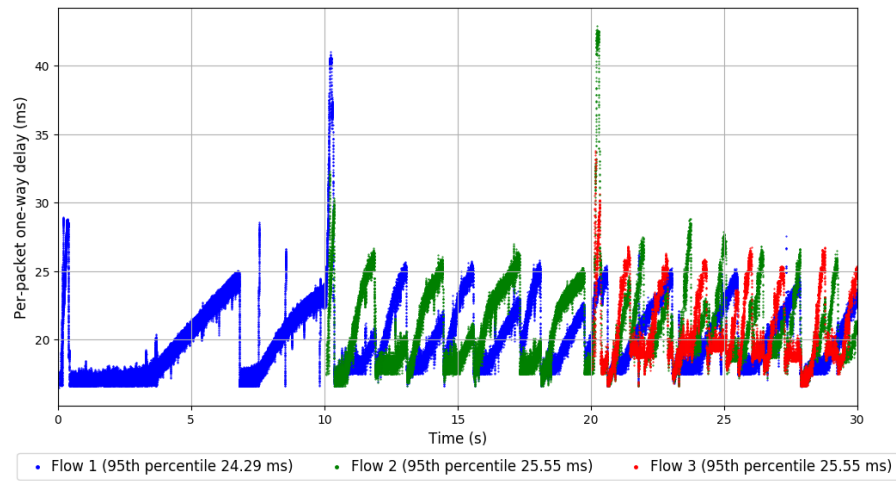
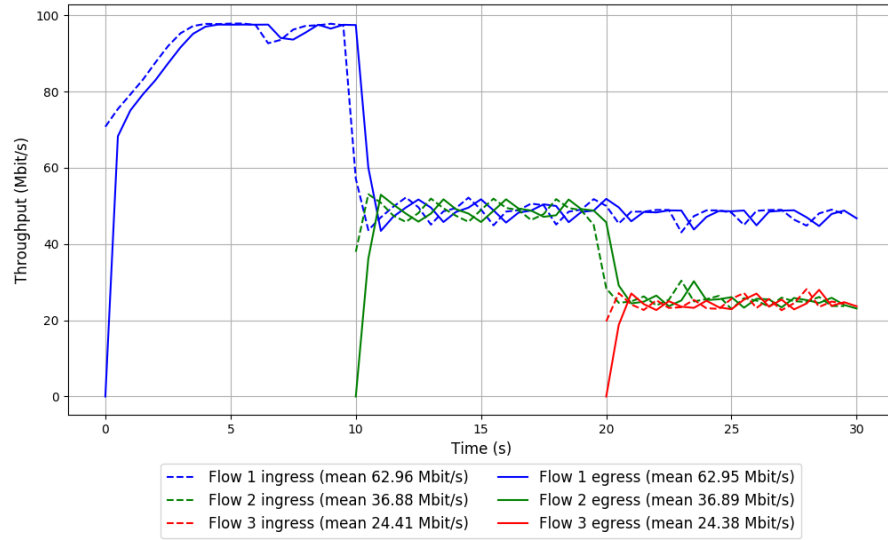


Run 3: Statistics of TCP Cubic

Start at: 2018-07-25 08:22:08
End at: 2018-07-25 08:22:38
Local clock offset: 2.02 ms
Remote clock offset: -11.015 ms

Below is generated by plot.py at 2018-07-25 11:10:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 24.805 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 62.95 Mbit/s
95th percentile per-packet one-way delay: 24.292 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.89 Mbit/s
95th percentile per-packet one-way delay: 25.548 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 25.547 ms
Loss rate: 0.38%

Run 3: Report of TCP Cubic — Data Link

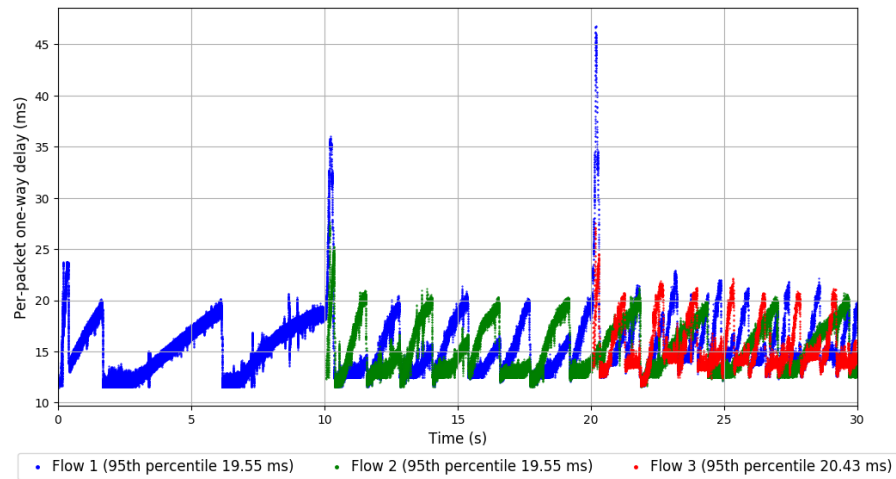
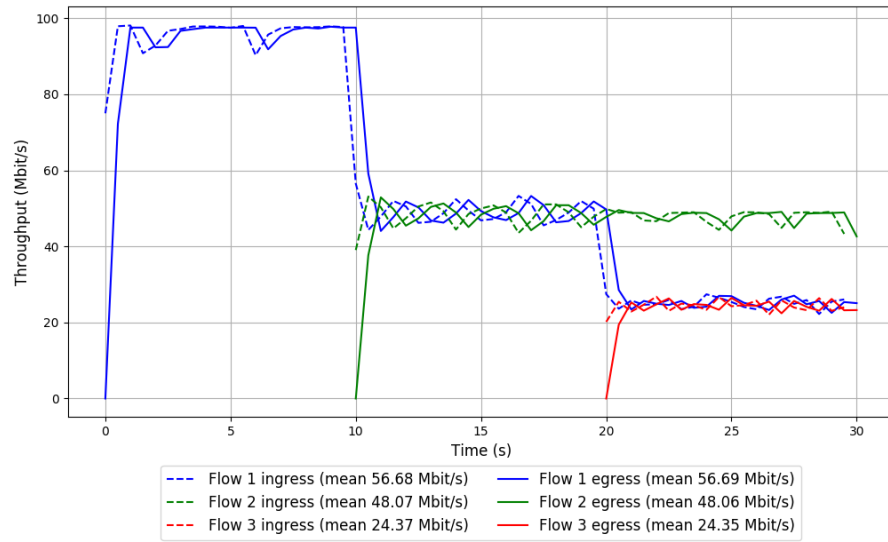


Run 4: Statistics of TCP Cubic

Start at: 2018-07-25 08:43:14
End at: 2018-07-25 08:43:44
Local clock offset: -1.984 ms
Remote clock offset: -3.269 ms

Below is generated by plot.py at 2018-07-25 11:10:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 19.642 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.69 Mbit/s
95th percentile per-packet one-way delay: 19.545 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 48.06 Mbit/s
95th percentile per-packet one-way delay: 19.546 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 20.434 ms
Loss rate: 0.35%

Run 4: Report of TCP Cubic — Data Link

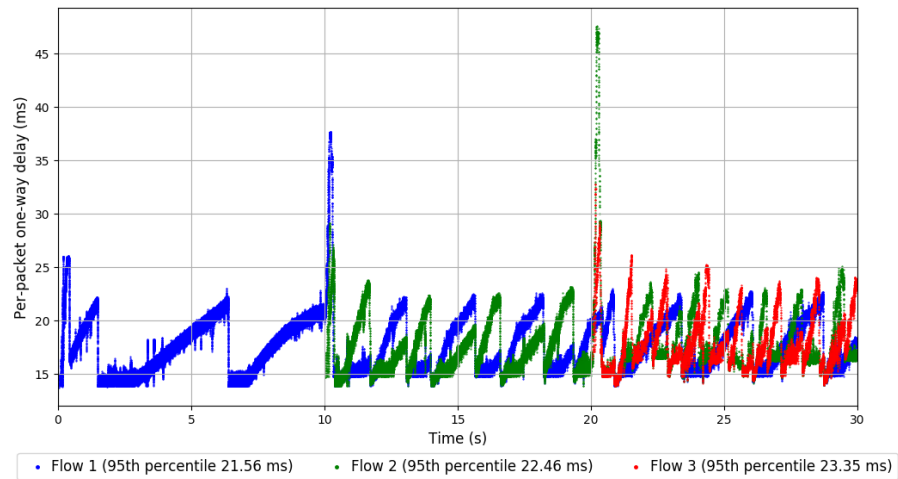
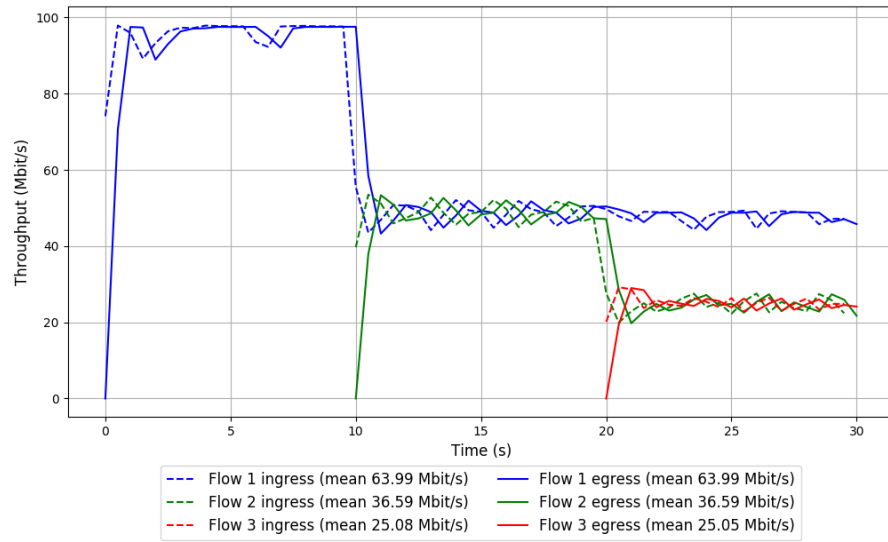


Run 5: Statistics of TCP Cubic

Start at: 2018-07-25 09:04:03
End at: 2018-07-25 09:04:33
Local clock offset: 0.129 ms
Remote clock offset: -0.574 ms

Below is generated by plot.py at 2018-07-25 11:10:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: 21.927 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 63.99 Mbit/s
95th percentile per-packet one-way delay: 21.559 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 36.59 Mbit/s
95th percentile per-packet one-way delay: 22.460 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 25.05 Mbit/s
95th percentile per-packet one-way delay: 23.350 ms
Loss rate: 0.38%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-25 09:25:25

End at: 2018-07-25 09:25:55

Local clock offset: -1.327 ms

Remote clock offset: 3.288 ms

Below is generated by plot.py at 2018-07-25 11:10:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.50 Mbit/s

95th percentile per-packet one-way delay: 19.059 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 56.31 Mbit/s

95th percentile per-packet one-way delay: 18.774 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 37.18 Mbit/s

95th percentile per-packet one-way delay: 19.325 ms

Loss rate: 0.11%

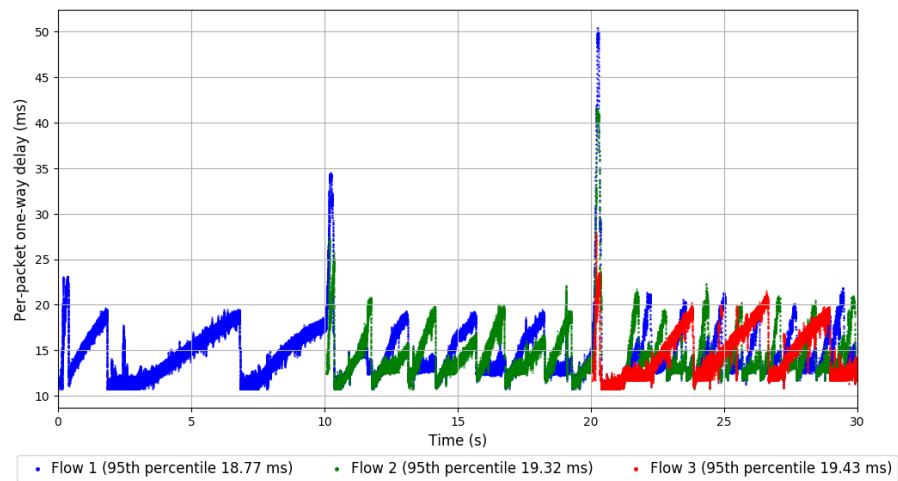
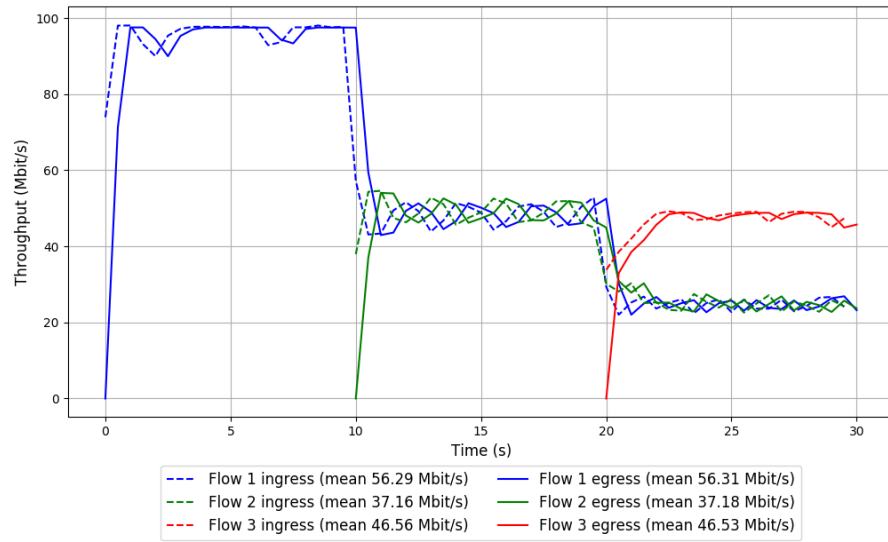
-- Flow 3:

Average throughput: 46.53 Mbit/s

95th percentile per-packet one-way delay: 19.434 ms

Loss rate: 0.33%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-25 09:46:12

End at: 2018-07-25 09:46:42

Local clock offset: -1.243 ms

Remote clock offset: -2.2 ms

Below is generated by plot.py at 2018-07-25 11:10:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.72 Mbit/s

95th percentile per-packet one-way delay: 18.778 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 64.12 Mbit/s

95th percentile per-packet one-way delay: 18.348 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 36.57 Mbit/s

95th percentile per-packet one-way delay: 19.216 ms

Loss rate: 0.13%

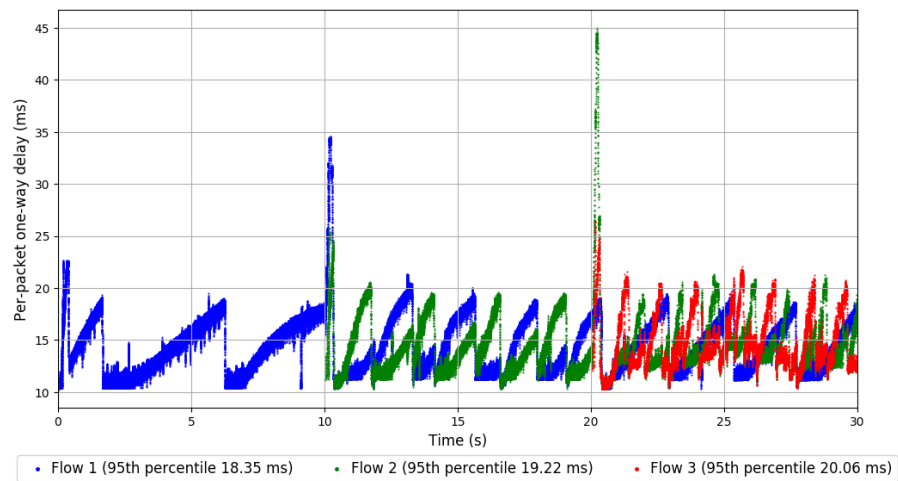
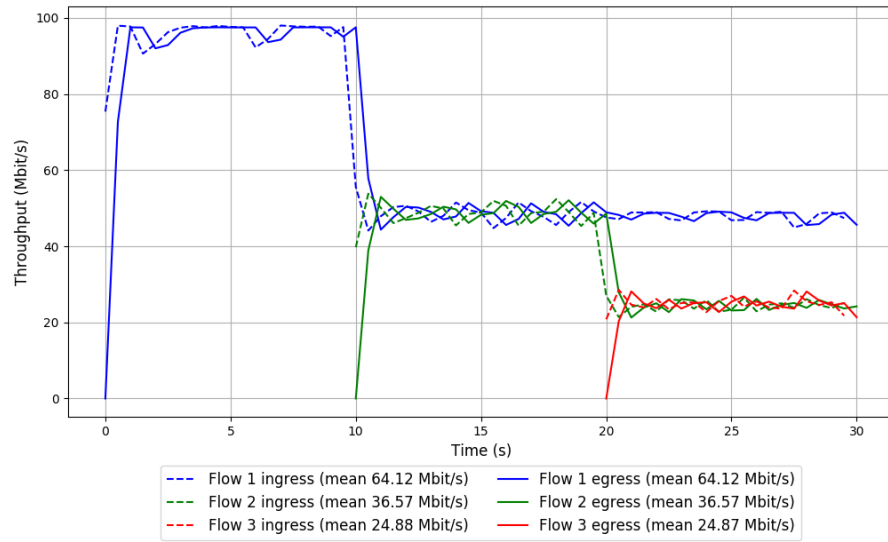
-- Flow 3:

Average throughput: 24.87 Mbit/s

95th percentile per-packet one-way delay: 20.056 ms

Loss rate: 0.30%

Run 7: Report of TCP Cubic — Data Link

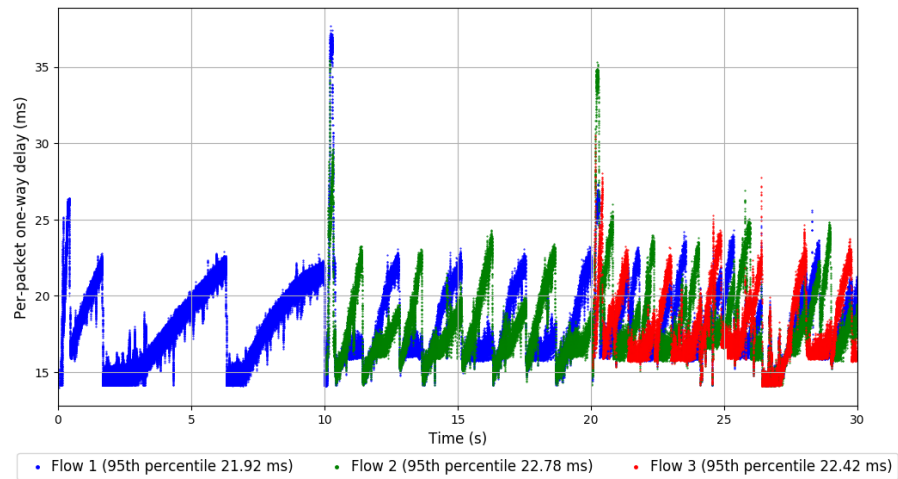
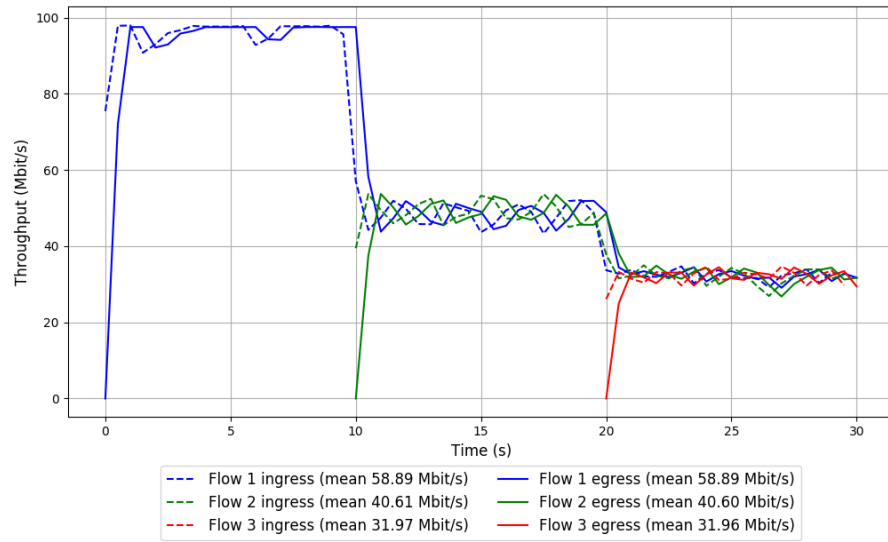


Run 8: Statistics of TCP Cubic

Start at: 2018-07-25 10:06:50
End at: 2018-07-25 10:07:20
Local clock offset: 2.236 ms
Remote clock offset: -4.762 ms

Below is generated by plot.py at 2018-07-25 11:10:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 22.171 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 58.89 Mbit/s
95th percentile per-packet one-way delay: 21.918 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.60 Mbit/s
95th percentile per-packet one-way delay: 22.776 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 31.96 Mbit/s
95th percentile per-packet one-way delay: 22.422 ms
Loss rate: 0.32%

Run 8: Report of TCP Cubic — Data Link

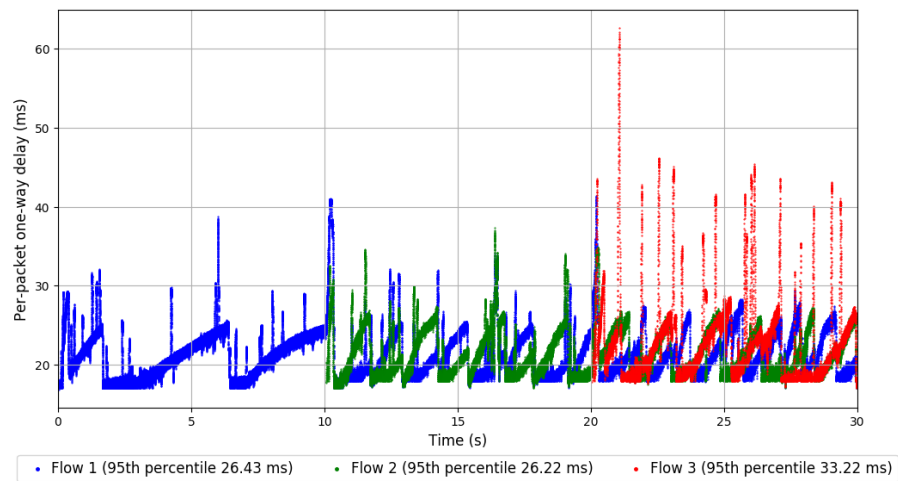
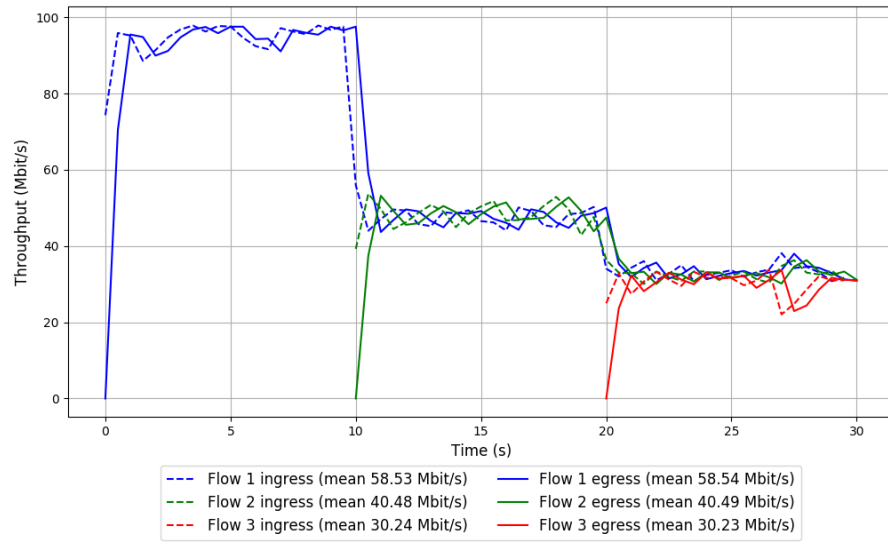


Run 9: Statistics of TCP Cubic

Start at: 2018-07-25 10:27:08
End at: 2018-07-25 10:27:38
Local clock offset: 3.064 ms
Remote clock offset: -3.545 ms

Below is generated by plot.py at 2018-07-25 11:10:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 26.742 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.54 Mbit/s
95th percentile per-packet one-way delay: 26.427 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.49 Mbit/s
95th percentile per-packet one-way delay: 26.220 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 30.23 Mbit/s
95th percentile per-packet one-way delay: 33.216 ms
Loss rate: 0.29%

Run 9: Report of TCP Cubic — Data Link

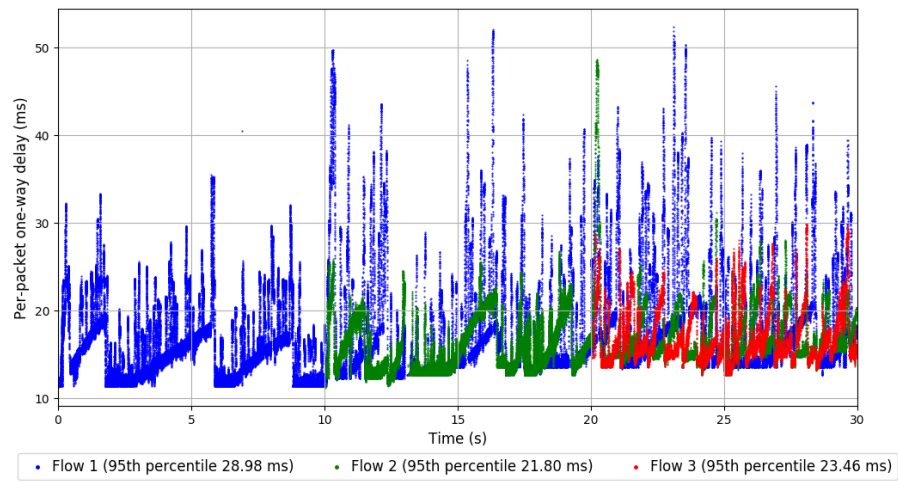
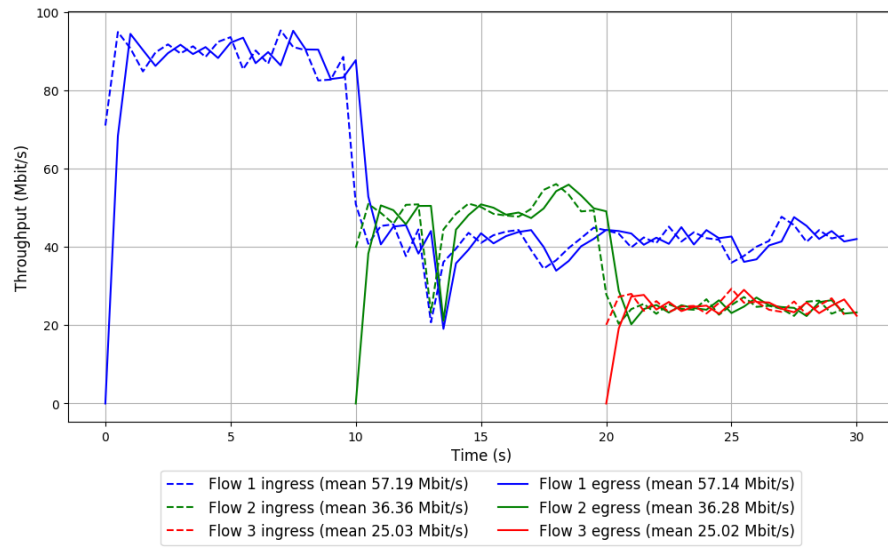


Run 10: Statistics of TCP Cubic

Start at: 2018-07-25 10:47:50
End at: 2018-07-25 10:48:20
Local clock offset: -0.233 ms
Remote clock offset: -1.557 ms

Below is generated by plot.py at 2018-07-25 11:10:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.59 Mbit/s
95th percentile per-packet one-way delay: 26.204 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 57.14 Mbit/s
95th percentile per-packet one-way delay: 28.982 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 36.28 Mbit/s
95th percentile per-packet one-way delay: 21.801 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 25.02 Mbit/s
95th percentile per-packet one-way delay: 23.464 ms
Loss rate: 0.31%

Run 10: Report of TCP Cubic — Data Link

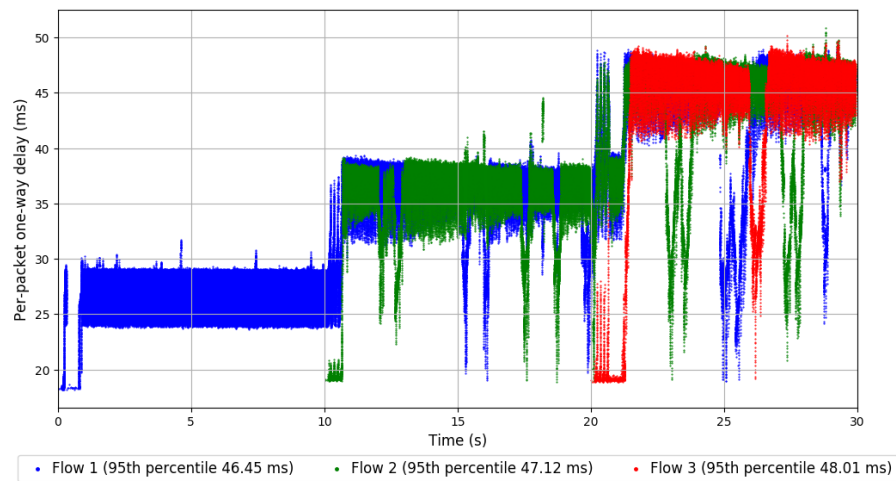
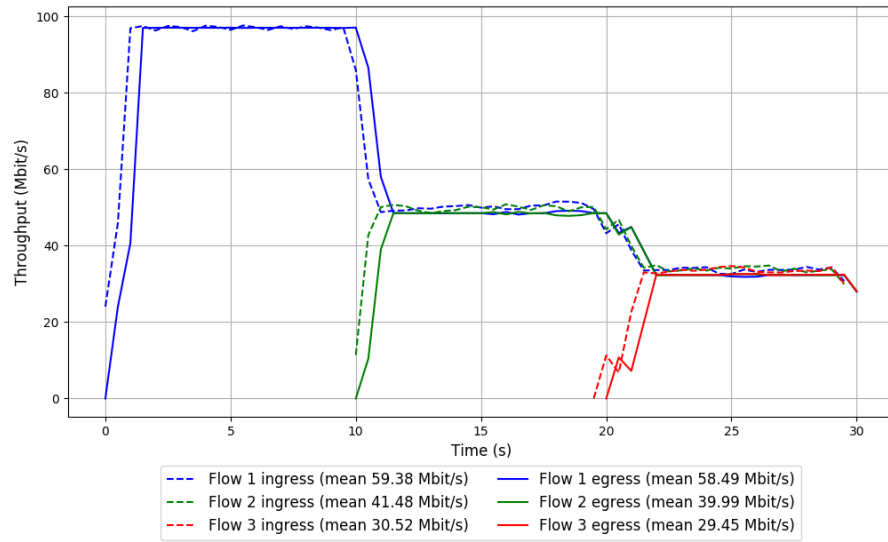


Run 1: Statistics of FillP

Start at: 2018-07-25 07:53:40
End at: 2018-07-25 07:54:10
Local clock offset: 0.682 ms
Remote clock offset: -5.619 ms

Below is generated by plot.py at 2018-07-25 11:11:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.87 Mbit/s
95th percentile per-packet one-way delay: 47.141 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 58.49 Mbit/s
95th percentile per-packet one-way delay: 46.446 ms
Loss rate: 1.64%
-- Flow 2:
Average throughput: 39.99 Mbit/s
95th percentile per-packet one-way delay: 47.123 ms
Loss rate: 3.76%
-- Flow 3:
Average throughput: 29.45 Mbit/s
95th percentile per-packet one-way delay: 48.014 ms
Loss rate: 3.89%

Run 1: Report of FillP — Data Link

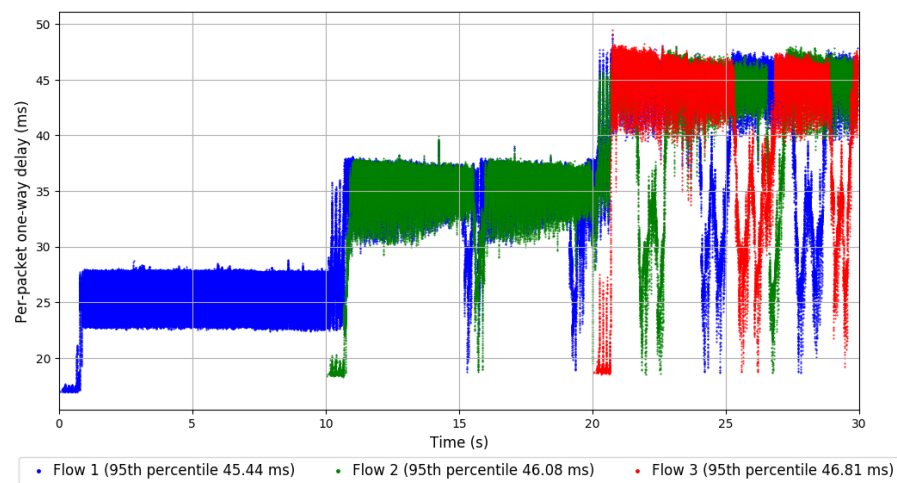
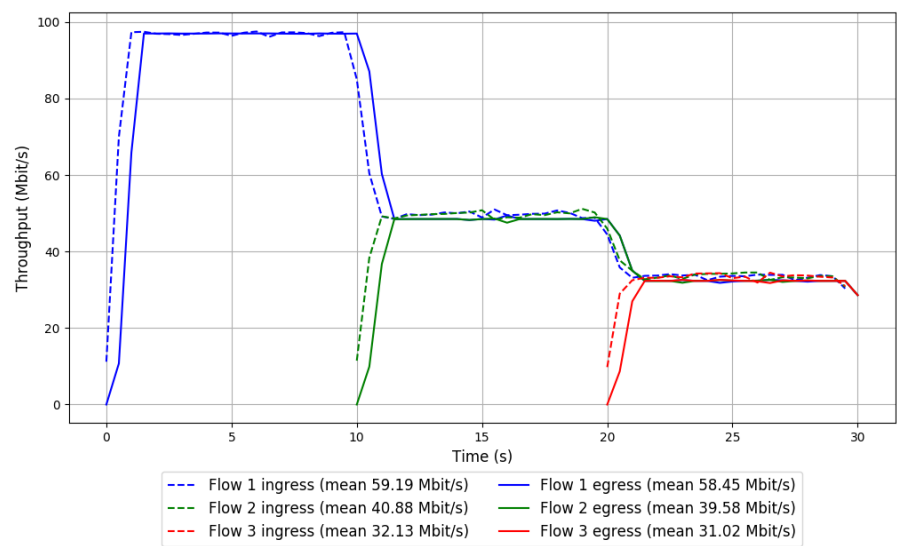


Run 2: Statistics of FillP

Start at: 2018-07-25 08:14:39
End at: 2018-07-25 08:15:09
Local clock offset: 0.807 ms
Remote clock offset: -11.562 ms

Below is generated by plot.py at 2018-07-25 11:11:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 46.035 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 58.45 Mbit/s
95th percentile per-packet one-way delay: 45.440 ms
Loss rate: 1.36%
-- Flow 2:
Average throughput: 39.58 Mbit/s
95th percentile per-packet one-way delay: 46.075 ms
Loss rate: 3.37%
-- Flow 3:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 46.811 ms
Loss rate: 3.86%

Run 2: Report of FillP — Data Link

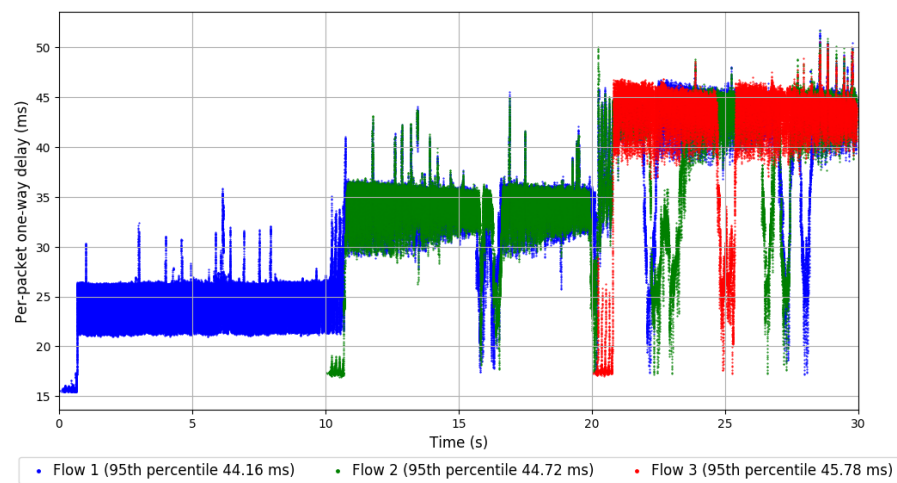
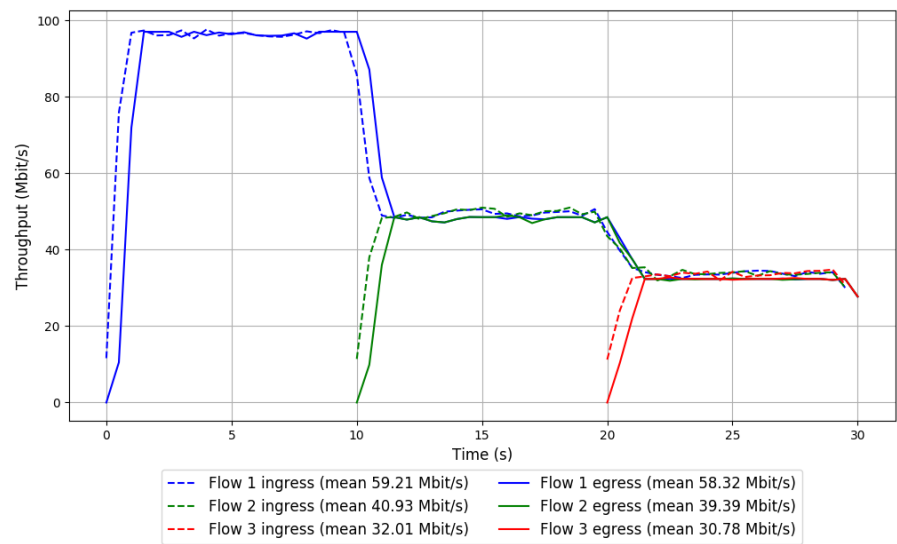


Run 3: Statistics of FillP

Start at: 2018-07-25 08:35:13
End at: 2018-07-25 08:35:43
Local clock offset: 1.015 ms
Remote clock offset: -6.431 ms

Below is generated by plot.py at 2018-07-25 11:11:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.72 Mbit/s
95th percentile per-packet one-way delay: 44.831 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 58.32 Mbit/s
95th percentile per-packet one-way delay: 44.159 ms
Loss rate: 1.64%
-- Flow 2:
Average throughput: 39.39 Mbit/s
95th percentile per-packet one-way delay: 44.720 ms
Loss rate: 3.95%
-- Flow 3:
Average throughput: 30.78 Mbit/s
95th percentile per-packet one-way delay: 45.777 ms
Loss rate: 4.25%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-25 08:56:31

End at: 2018-07-25 08:57:01

Local clock offset: -2.527 ms

Remote clock offset: -3.67 ms

Below is generated by plot.py at 2018-07-25 11:11:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.16 Mbit/s

95th percentile per-packet one-way delay: 41.869 ms

Loss rate: 2.61%

-- Flow 1:

Average throughput: 58.93 Mbit/s

95th percentile per-packet one-way delay: 41.127 ms

Loss rate: 1.73%

-- Flow 2:

Average throughput: 39.80 Mbit/s

95th percentile per-packet one-way delay: 41.548 ms

Loss rate: 4.02%

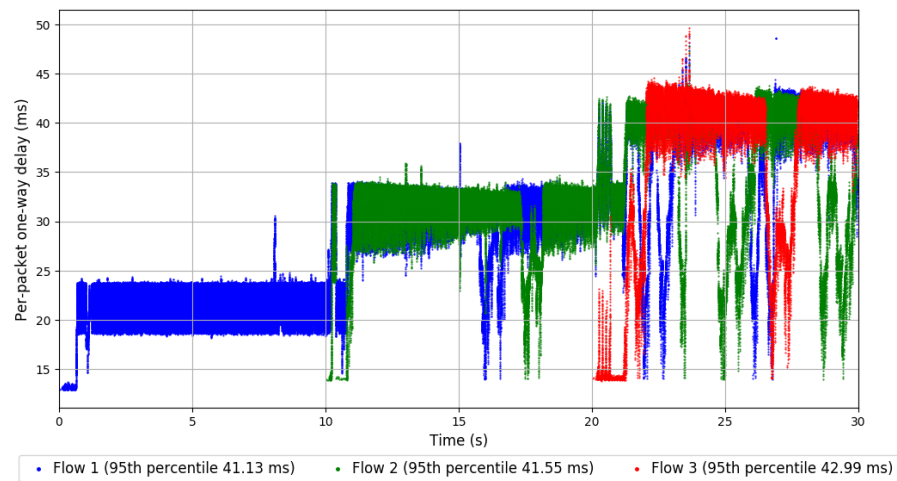
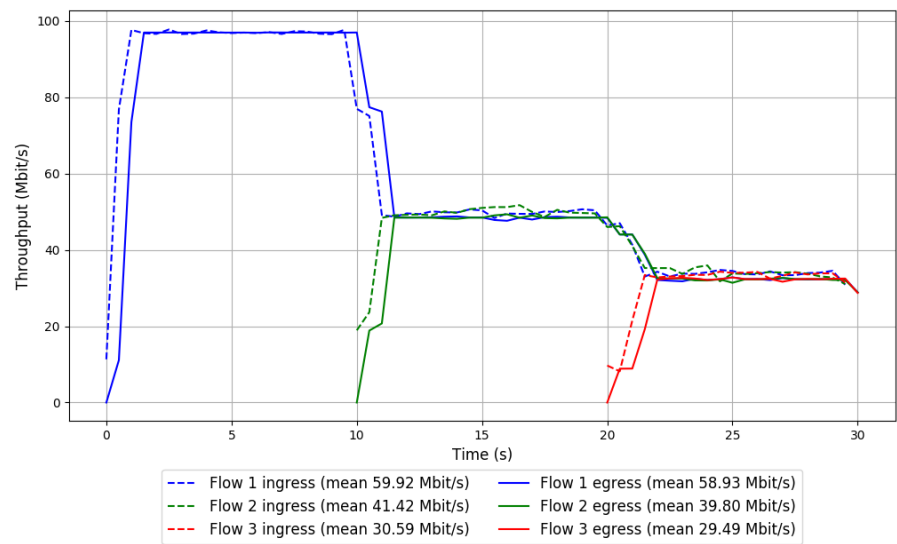
-- Flow 3:

Average throughput: 29.49 Mbit/s

95th percentile per-packet one-way delay: 42.989 ms

Loss rate: 3.98%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-25 09:17:19

End at: 2018-07-25 09:17:49

Local clock offset: 1.976 ms

Remote clock offset: 1.271 ms

Below is generated by plot.py at 2018-07-25 11:11:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 44.478 ms

Loss rate: 2.23%

-- Flow 1:

Average throughput: 59.22 Mbit/s

95th percentile per-packet one-way delay: 43.593 ms

Loss rate: 1.50%

-- Flow 2:

Average throughput: 38.34 Mbit/s

95th percentile per-packet one-way delay: 44.670 ms

Loss rate: 3.17%

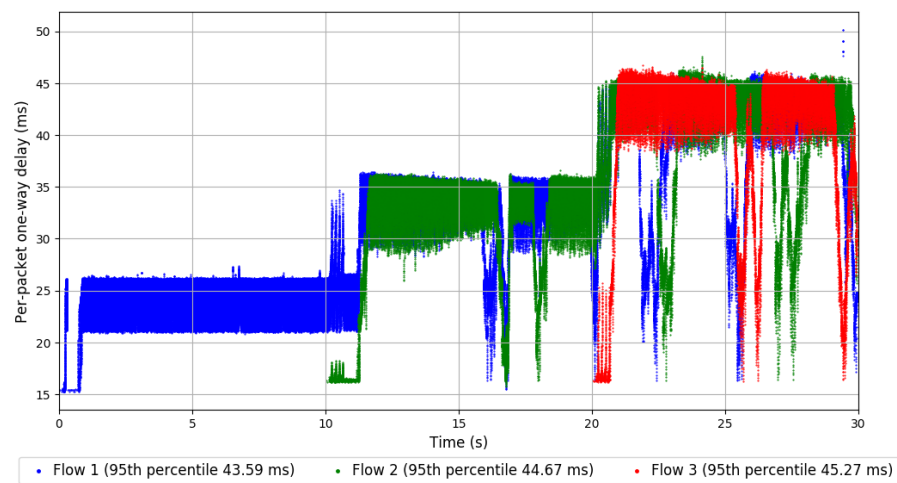
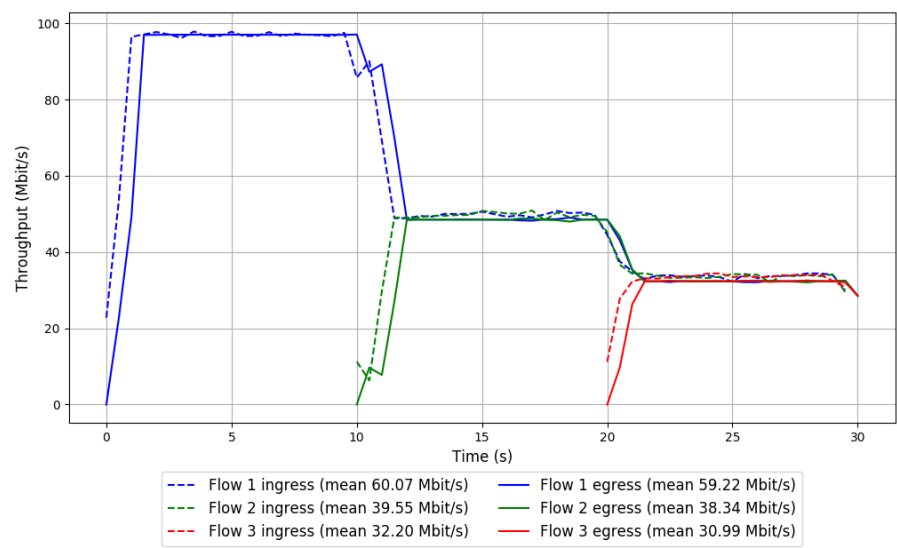
-- Flow 3:

Average throughput: 30.99 Mbit/s

95th percentile per-packet one-way delay: 45.269 ms

Loss rate: 4.00%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-25 09:38:39

End at: 2018-07-25 09:39:09

Local clock offset: 0.27 ms

Remote clock offset: 2.743 ms

Below is generated by plot.py at 2018-07-25 11:11:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.08 Mbit/s

95th percentile per-packet one-way delay: 45.938 ms

Loss rate: 2.32%

-- Flow 1:

Average throughput: 63.52 Mbit/s

95th percentile per-packet one-way delay: 29.726 ms

Loss rate: 1.50%

-- Flow 2:

Average throughput: 36.29 Mbit/s

95th percentile per-packet one-way delay: 45.892 ms

Loss rate: 3.97%

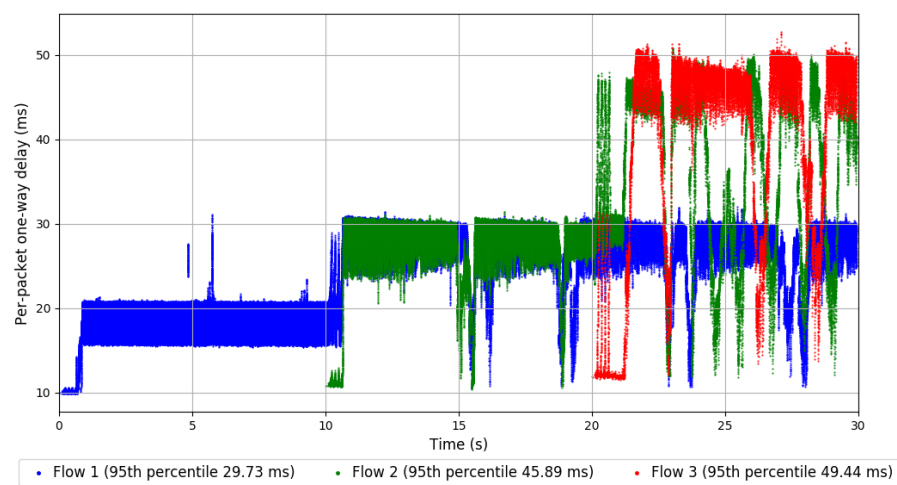
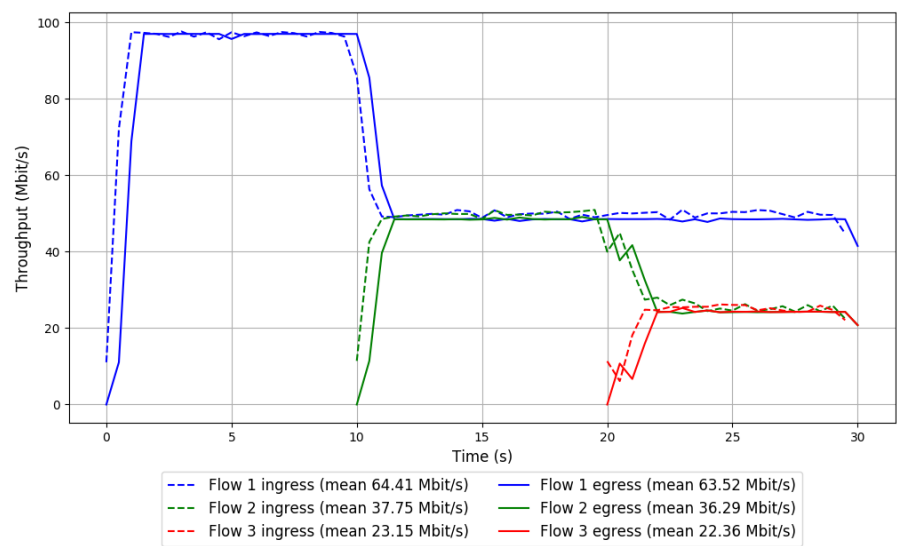
-- Flow 3:

Average throughput: 22.36 Mbit/s

95th percentile per-packet one-way delay: 49.444 ms

Loss rate: 3.84%

Run 6: Report of FillP — Data Link

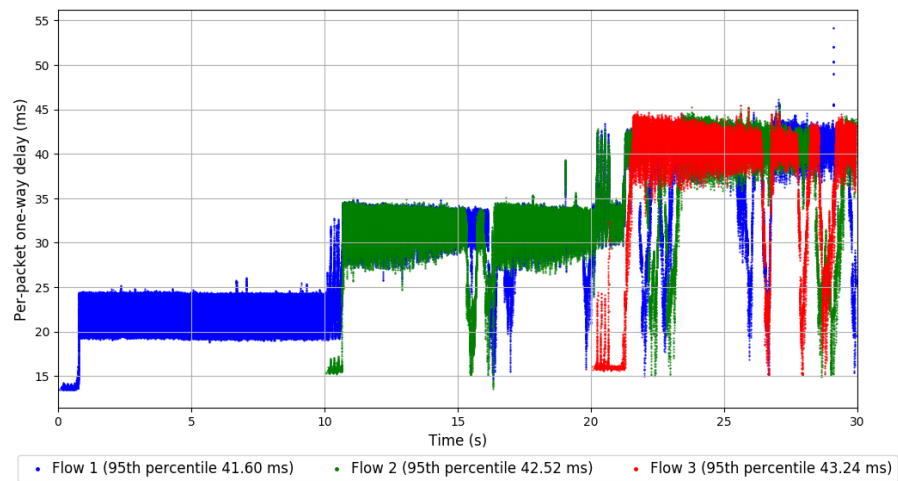
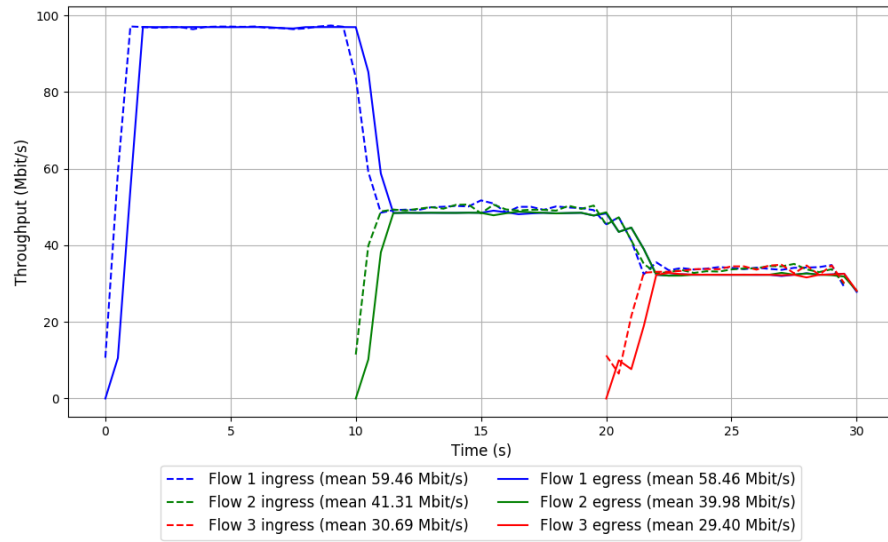


Run 7: Statistics of FillP

Start at: 2018-07-25 09:59:08
End at: 2018-07-25 09:59:38
Local clock offset: 1.726 ms
Remote clock offset: -4.512 ms

Below is generated by plot.py at 2018-07-25 11:11:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 42.351 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 58.46 Mbit/s
95th percentile per-packet one-way delay: 41.603 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 39.98 Mbit/s
95th percentile per-packet one-way delay: 42.516 ms
Loss rate: 3.39%
-- Flow 3:
Average throughput: 29.40 Mbit/s
95th percentile per-packet one-way delay: 43.238 ms
Loss rate: 4.58%

Run 7: Report of FillP — Data Link

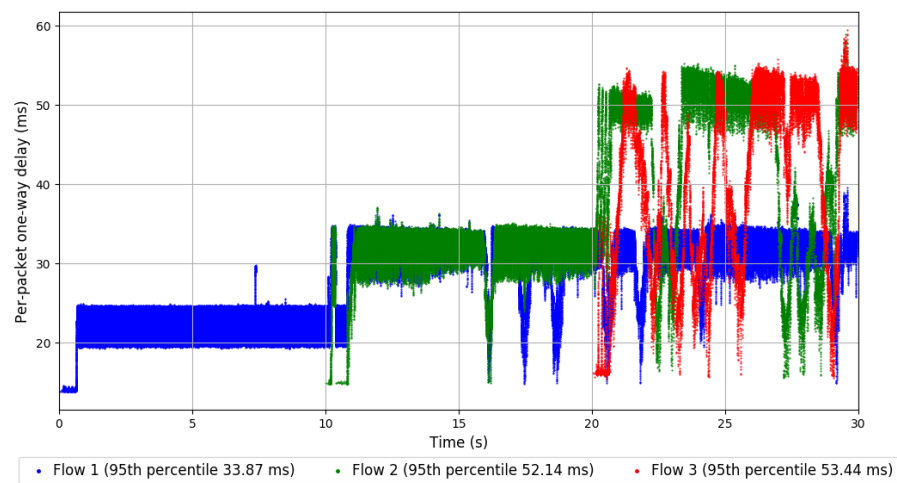
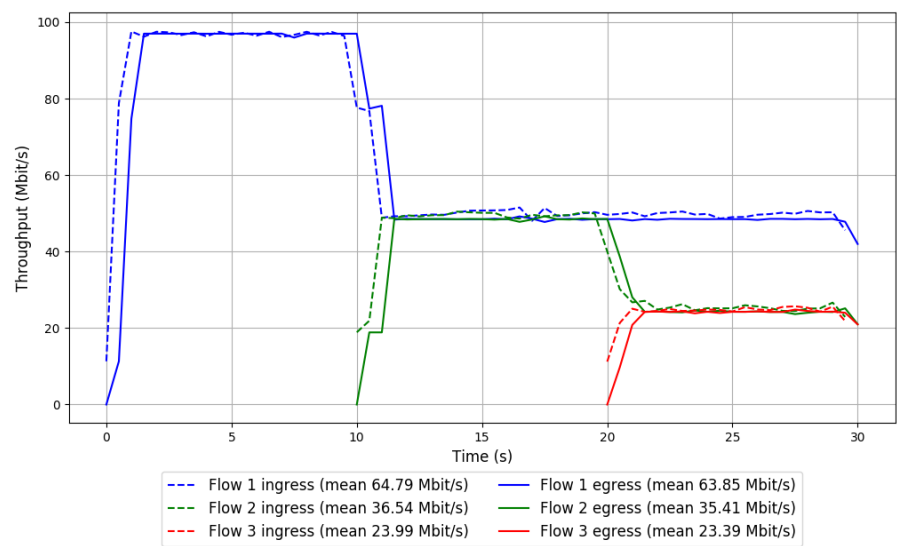


Run 8: Statistics of FillP

Start at: 2018-07-25 10:19:43
End at: 2018-07-25 10:20:13
Local clock offset: 1.648 ms
Remote clock offset: -2.486 ms

Below is generated by plot.py at 2018-07-25 11:11:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.17 Mbit/s
95th percentile per-packet one-way delay: 50.512 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 63.85 Mbit/s
95th percentile per-packet one-way delay: 33.873 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 35.41 Mbit/s
95th percentile per-packet one-way delay: 52.141 ms
Loss rate: 3.28%
-- Flow 3:
Average throughput: 23.39 Mbit/s
95th percentile per-packet one-way delay: 53.440 ms
Loss rate: 2.87%

Run 8: Report of FillP — Data Link

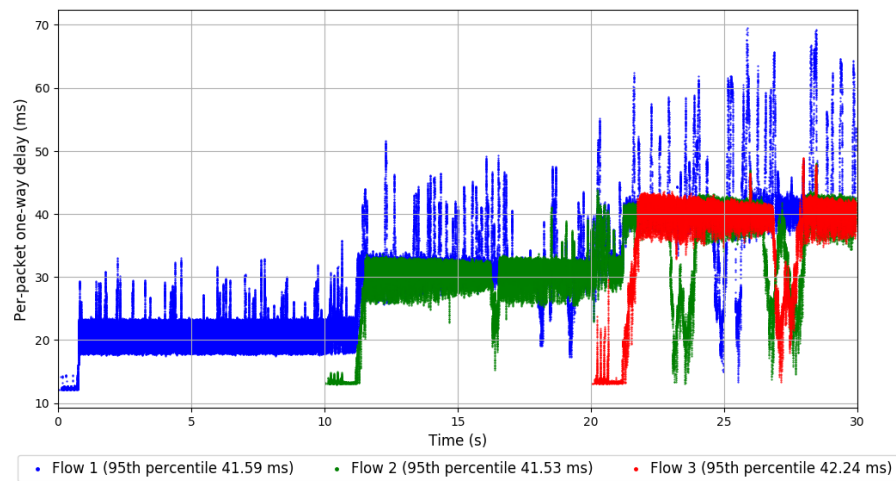
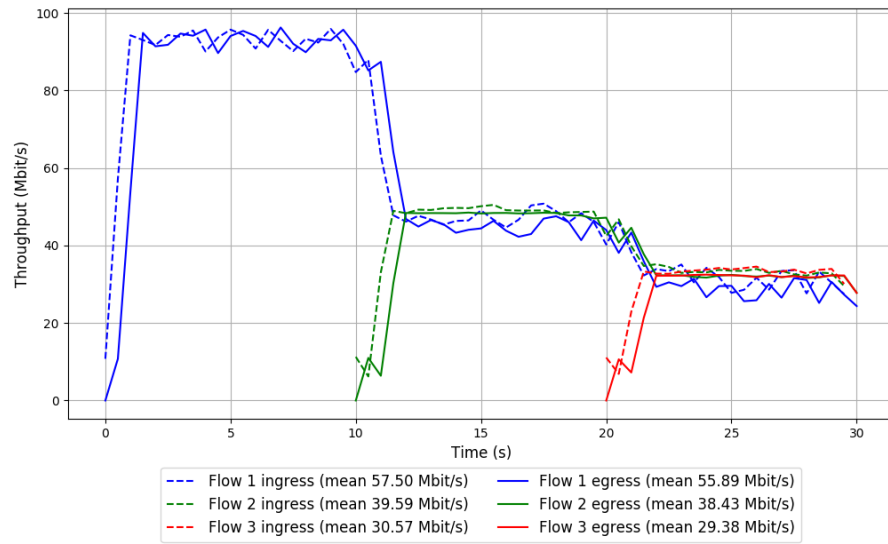


Run 9: Statistics of FillP

Start at: 2018-07-25 10:40:23
End at: 2018-07-25 10:40:53
Local clock offset: -1.591 ms
Remote clock offset: -2.373 ms

Below is generated by plot.py at 2018-07-25 11:12:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.18 Mbit/s
95th percentile per-packet one-way delay: 41.793 ms
Loss rate: 3.12%
-- Flow 1:
Average throughput: 55.89 Mbit/s
95th percentile per-packet one-way delay: 41.587 ms
Loss rate: 2.91%
-- Flow 2:
Average throughput: 38.43 Mbit/s
95th percentile per-packet one-way delay: 41.530 ms
Loss rate: 3.14%
-- Flow 3:
Average throughput: 29.38 Mbit/s
95th percentile per-packet one-way delay: 42.242 ms
Loss rate: 4.28%

Run 9: Report of FillP — Data Link

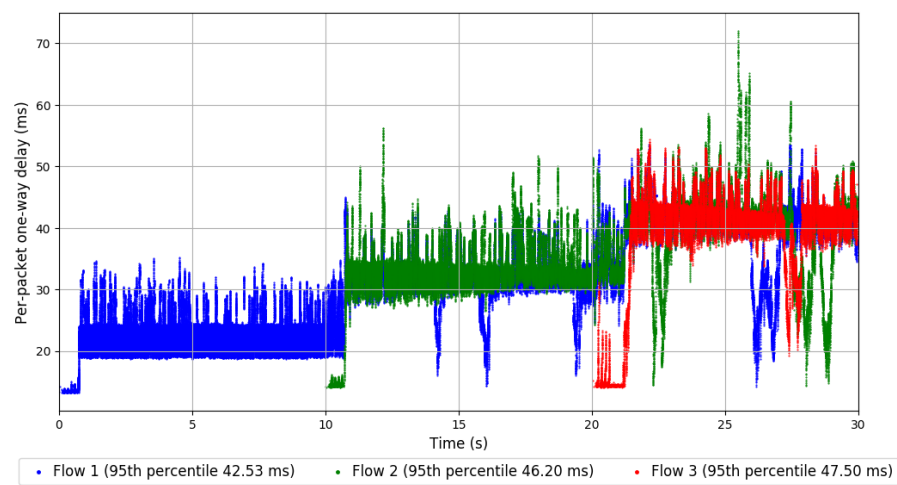
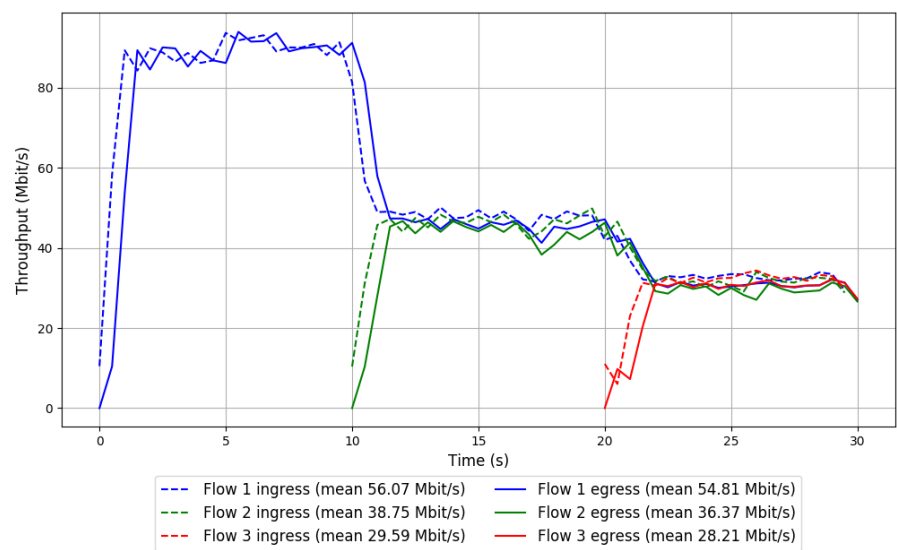


Run 10: Statistics of FillP

Start at: 2018-07-25 11:00:43
End at: 2018-07-25 11:01:13
Local clock offset: 1.821 ms
Remote clock offset: -1.832 ms

Below is generated by plot.py at 2018-07-25 11:12:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.35 Mbit/s
95th percentile per-packet one-way delay: 44.695 ms
Loss rate: 3.74%
-- Flow 1:
Average throughput: 54.81 Mbit/s
95th percentile per-packet one-way delay: 42.532 ms
Loss rate: 2.32%
-- Flow 2:
Average throughput: 36.37 Mbit/s
95th percentile per-packet one-way delay: 46.198 ms
Loss rate: 6.33%
-- Flow 3:
Average throughput: 28.21 Mbit/s
95th percentile per-packet one-way delay: 47.503 ms
Loss rate: 5.04%

Run 10: Report of FillP — Data Link

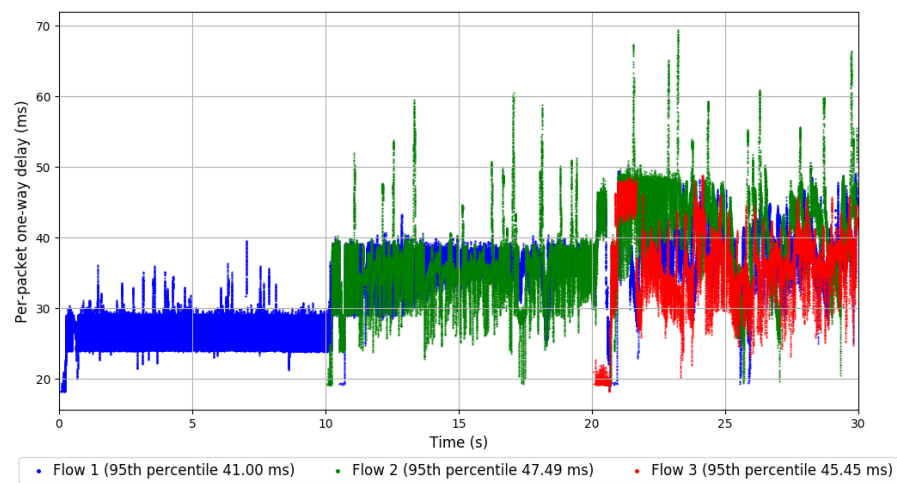
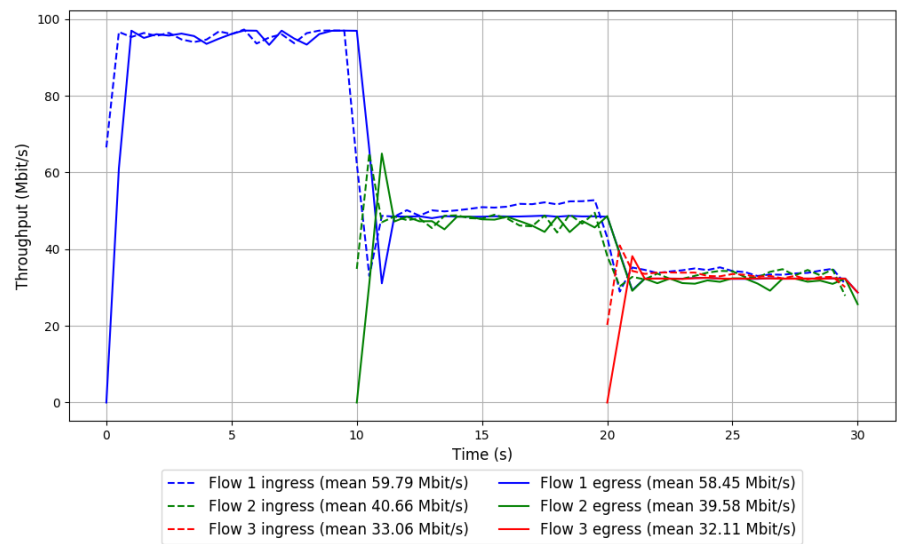


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-25 07:43:45
End at: 2018-07-25 07:44:15
Local clock offset: 1.25 ms
Remote clock offset: -4.137 ms

Below is generated by plot.py at 2018-07-25 11:13:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 44.968 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 58.45 Mbit/s
95th percentile per-packet one-way delay: 41.000 ms
Loss rate: 2.33%
-- Flow 2:
Average throughput: 39.58 Mbit/s
95th percentile per-packet one-way delay: 47.495 ms
Loss rate: 2.86%
-- Flow 3:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 45.450 ms
Loss rate: 3.17%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-25 08:05:10

End at: 2018-07-25 08:05:40

Local clock offset: 0.614 ms

Remote clock offset: -7.96 ms

Below is generated by plot.py at 2018-07-25 11:13:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.40 Mbit/s

95th percentile per-packet one-way delay: 39.999 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 58.75 Mbit/s

95th percentile per-packet one-way delay: 38.357 ms

Loss rate: 1.54%

-- Flow 2:

Average throughput: 40.39 Mbit/s

95th percentile per-packet one-way delay: 41.994 ms

Loss rate: 1.89%

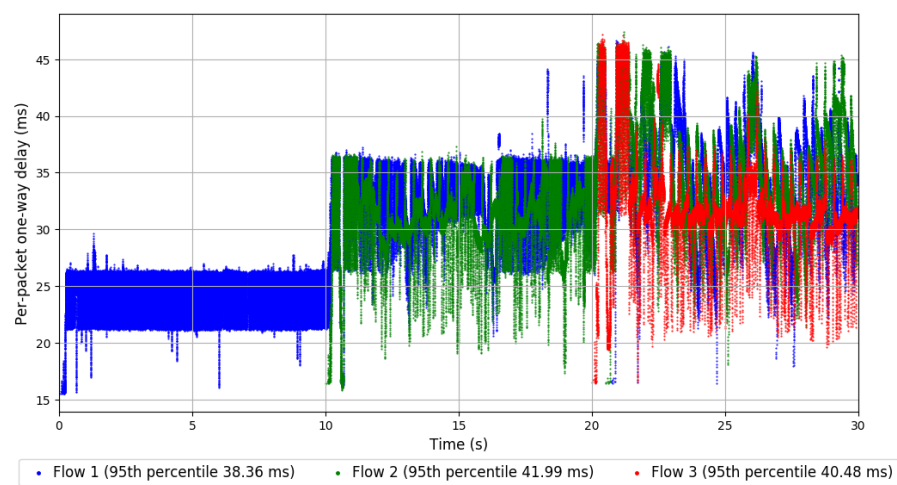
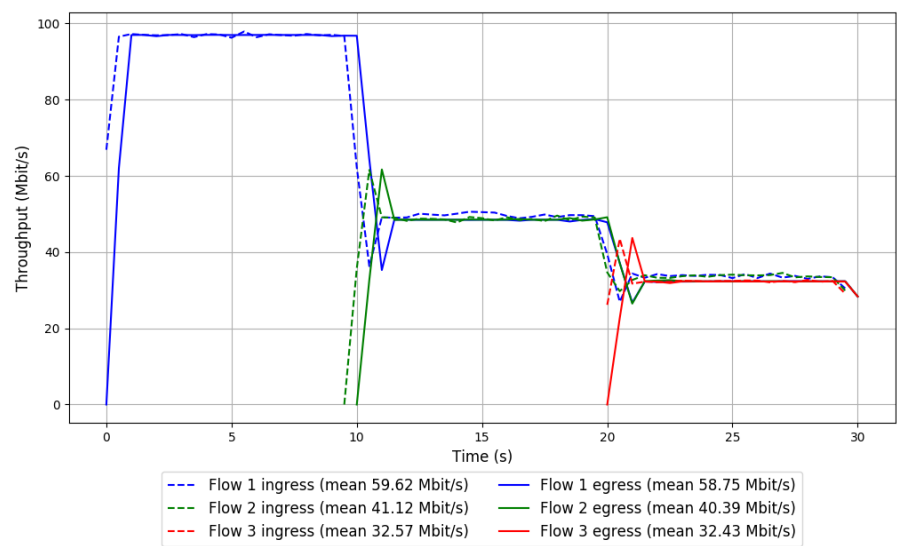
-- Flow 3:

Average throughput: 32.43 Mbit/s

95th percentile per-packet one-way delay: 40.480 ms

Loss rate: 0.69%

Run 2: Report of FillP-Sheep — Data Link

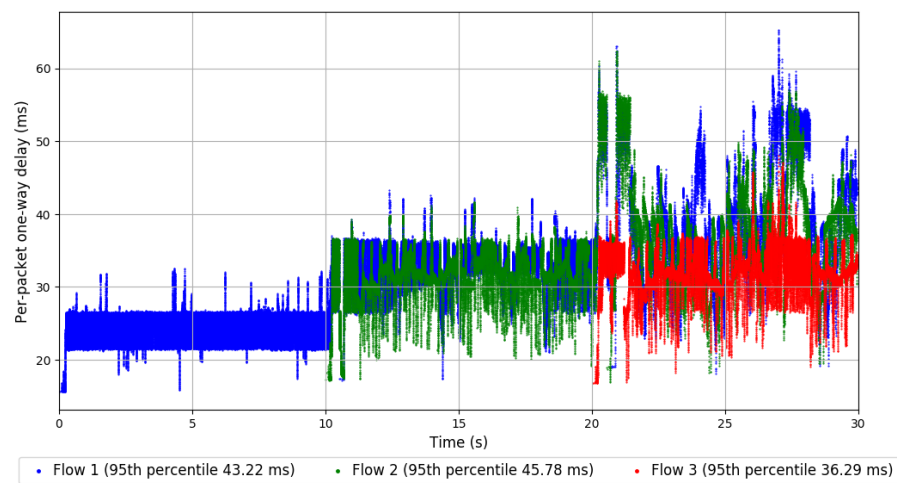
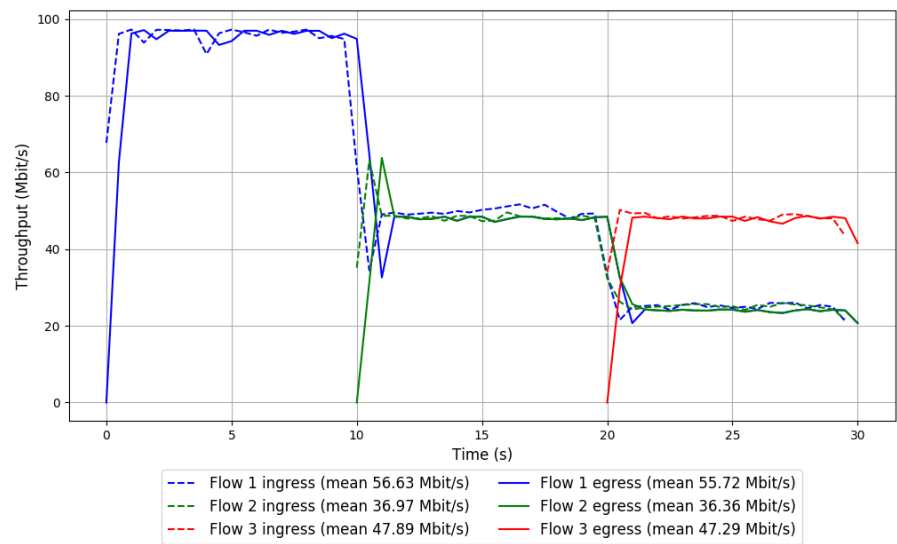


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-25 08:25:50
End at: 2018-07-25 08:26:20
Local clock offset: 1.64 ms
Remote clock offset: -10.99 ms

Below is generated by plot.py at 2018-07-25 11:13:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 42.595 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 55.72 Mbit/s
95th percentile per-packet one-way delay: 43.219 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 36.36 Mbit/s
95th percentile per-packet one-way delay: 45.783 ms
Loss rate: 1.80%
-- Flow 3:
Average throughput: 47.29 Mbit/s
95th percentile per-packet one-way delay: 36.288 ms
Loss rate: 1.51%

Run 3: Report of FillP-Sheep — Data Link

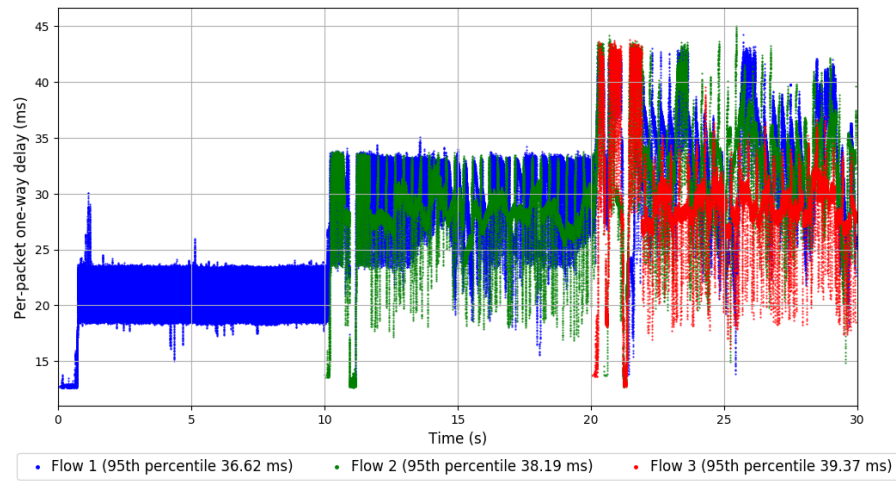
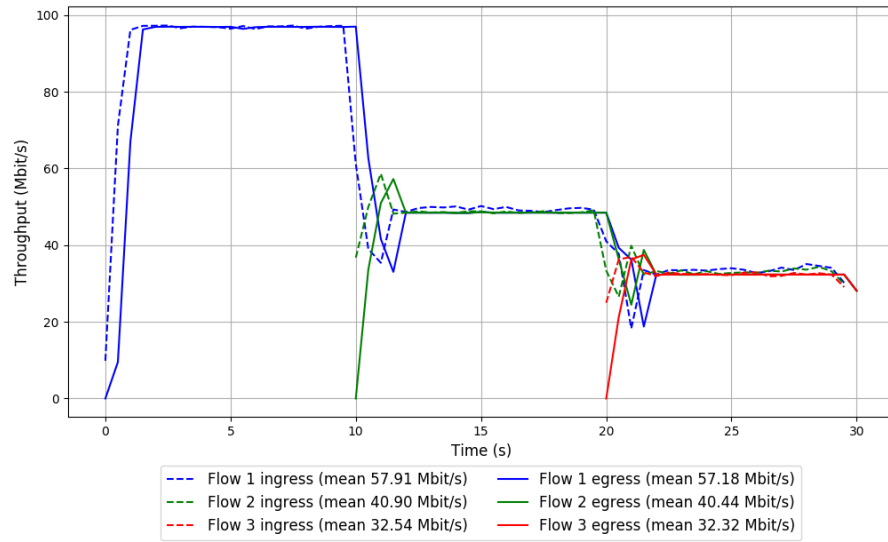


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-25 08:47:02
End at: 2018-07-25 08:47:32
Local clock offset: -0.322 ms
Remote clock offset: -2.218 ms

Below is generated by plot.py at 2018-07-25 11:13:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.79 Mbit/s
95th percentile per-packet one-way delay: 37.421 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 57.18 Mbit/s
95th percentile per-packet one-way delay: 36.621 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: 38.192 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 32.32 Mbit/s
95th percentile per-packet one-way delay: 39.366 ms
Loss rate: 0.96%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-25 09:07:49

End at: 2018-07-25 09:08:19

Local clock offset: 0.416 ms

Remote clock offset: 0.419 ms

Below is generated by plot.py at 2018-07-25 11:13:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 34.035 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 63.97 Mbit/s

95th percentile per-packet one-way delay: 33.287 ms

Loss rate: 1.18%

-- Flow 2:

Average throughput: 36.53 Mbit/s

95th percentile per-packet one-way delay: 37.370 ms

Loss rate: 1.23%

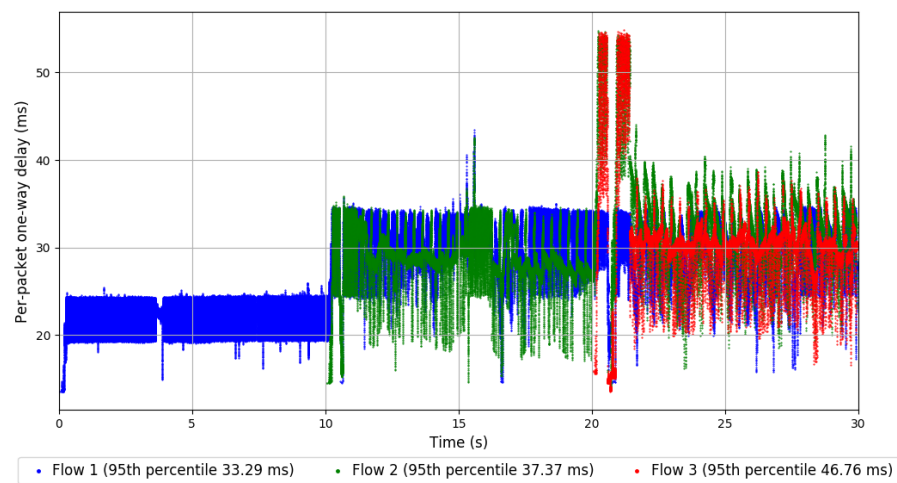
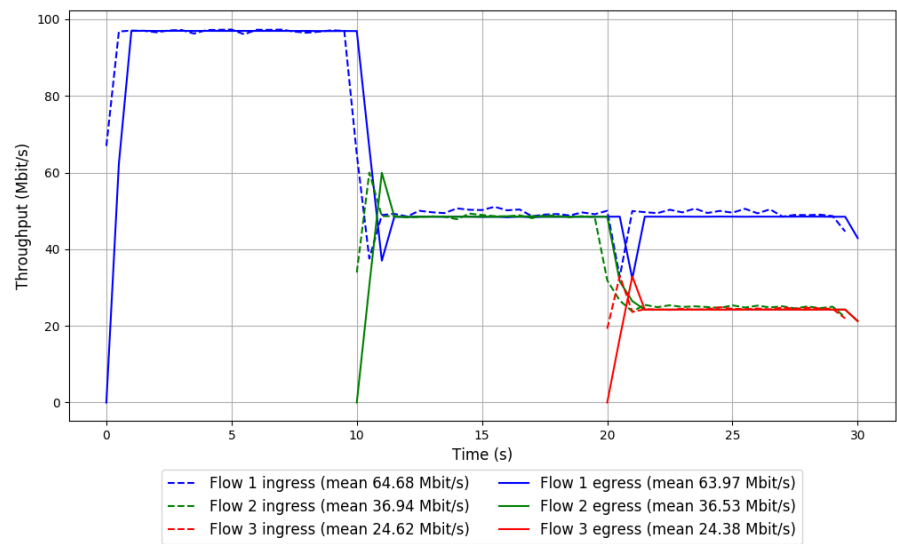
-- Flow 3:

Average throughput: 24.38 Mbit/s

95th percentile per-packet one-way delay: 46.760 ms

Loss rate: 1.26%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-25 09:29:04

End at: 2018-07-25 09:29:34

Local clock offset: -1.667 ms

Remote clock offset: 4.517 ms

Below is generated by plot.py at 2018-07-25 11:13:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.37 Mbit/s

95th percentile per-packet one-way delay: 32.856 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 56.23 Mbit/s

95th percentile per-packet one-way delay: 31.828 ms

Loss rate: 1.35%

-- Flow 2:

Average throughput: 36.82 Mbit/s

95th percentile per-packet one-way delay: 36.385 ms

Loss rate: 1.88%

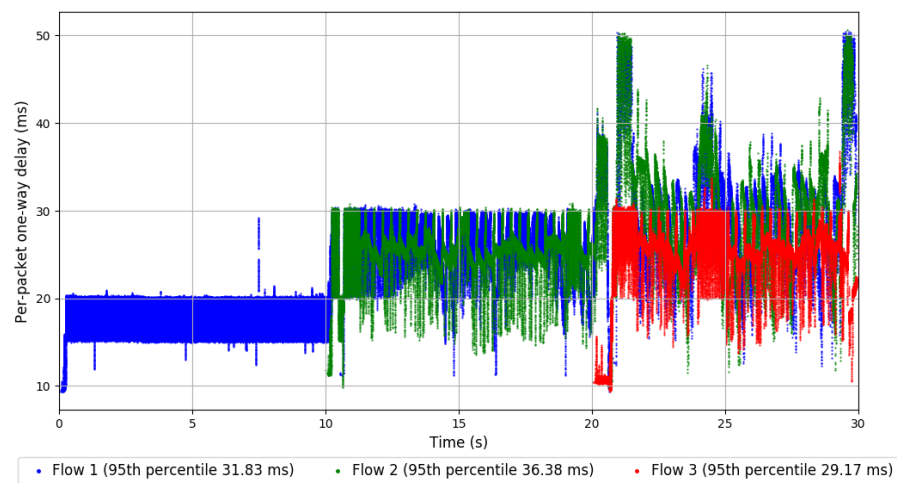
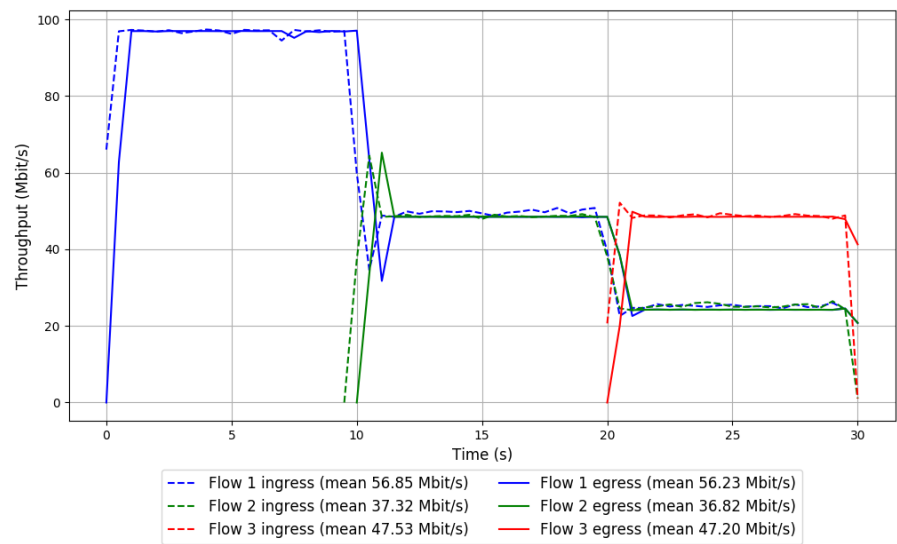
-- Flow 3:

Average throughput: 47.20 Mbit/s

95th percentile per-packet one-way delay: 29.166 ms

Loss rate: 1.69%

Run 6: Report of FillP-Sheep — Data Link

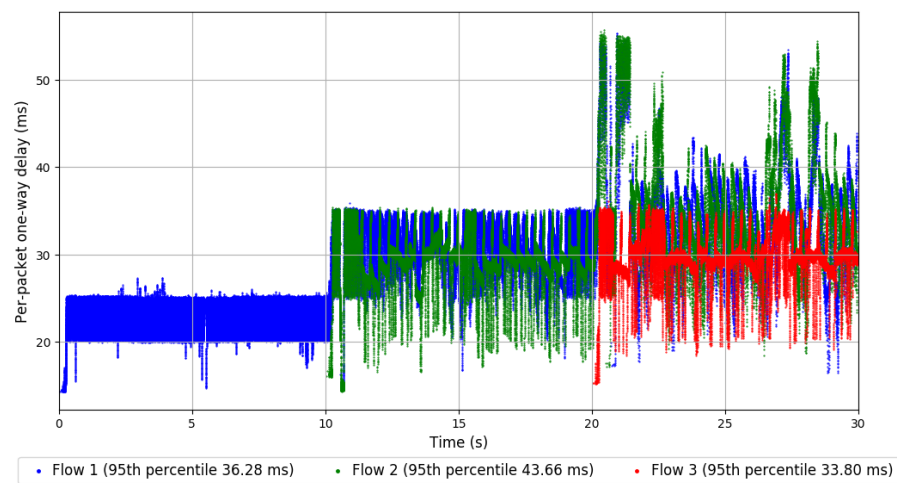
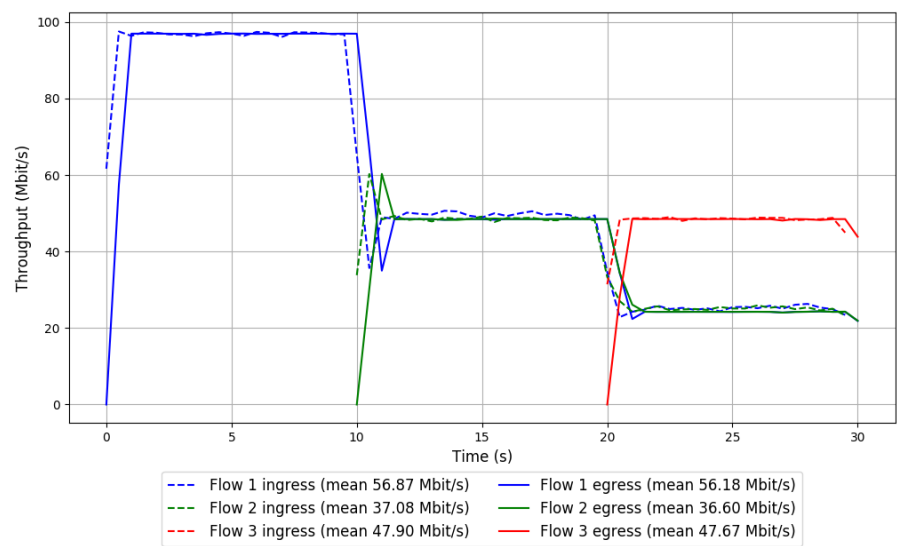


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-25 09:49:51
End at: 2018-07-25 09:50:21
Local clock offset: 0.957 ms
Remote clock offset: -4.911 ms

Below is generated by plot.py at 2018-07-25 11:14:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 37.428 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 56.18 Mbit/s
95th percentile per-packet one-way delay: 36.284 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 36.60 Mbit/s
95th percentile per-packet one-way delay: 43.665 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 47.67 Mbit/s
95th percentile per-packet one-way delay: 33.796 ms
Loss rate: 0.70%

Run 7: Report of FillP-Sheep — Data Link

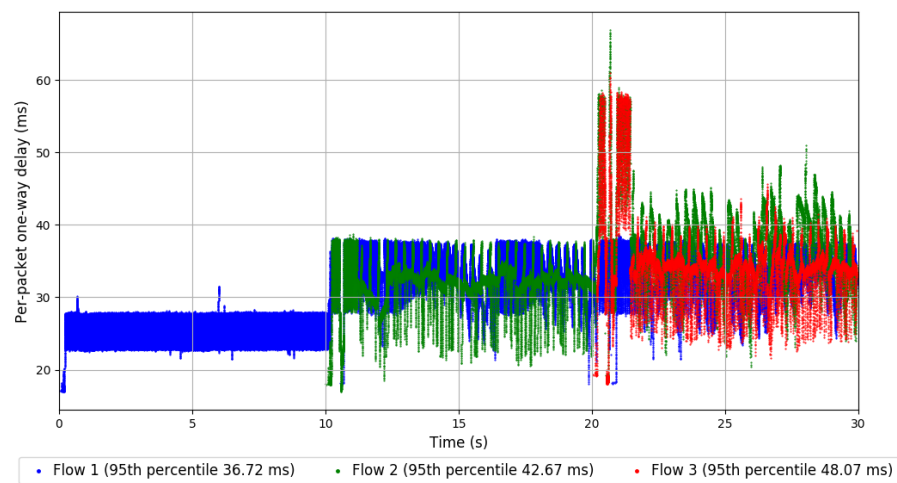
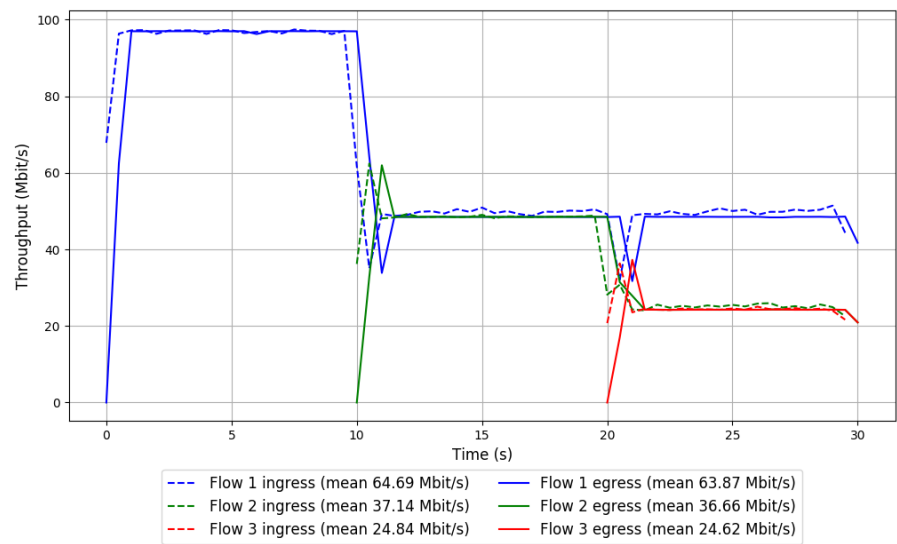


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-25 10:10:29
End at: 2018-07-25 10:10:59
Local clock offset: 3.652 ms
Remote clock offset: -5.523 ms

Below is generated by plot.py at 2018-07-25 11:14:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: 37.975 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 63.87 Mbit/s
95th percentile per-packet one-way delay: 36.724 ms
Loss rate: 1.36%
-- Flow 2:
Average throughput: 36.66 Mbit/s
95th percentile per-packet one-way delay: 42.668 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 48.074 ms
Loss rate: 1.07%

Run 8: Report of FillP-Sheep — Data Link

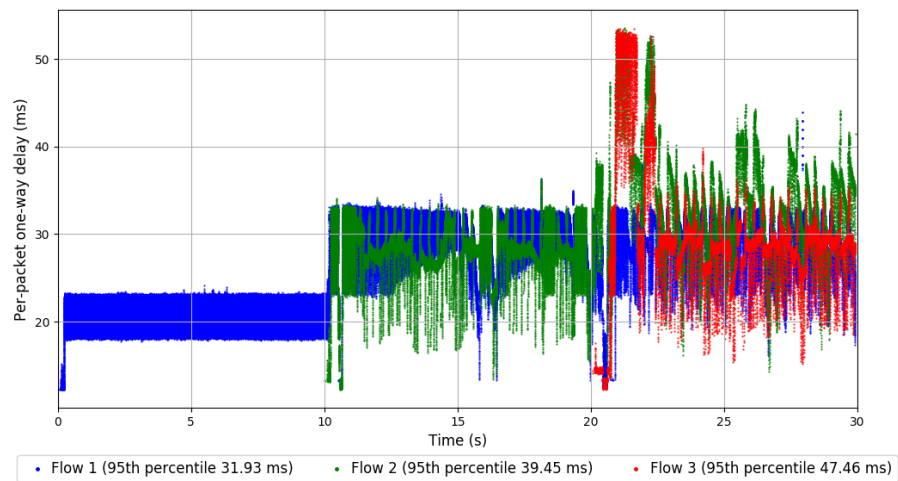
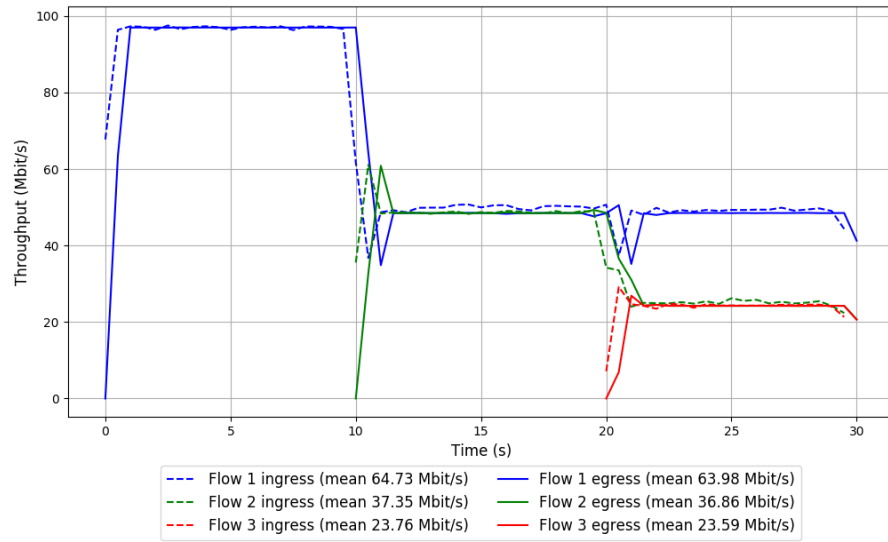


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-25 10:30:59
End at: 2018-07-25 10:31:29
Local clock offset: 0.226 ms
Remote clock offset: -1.594 ms

Below is generated by plot.py at 2018-07-25 11:14:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 33.929 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 63.98 Mbit/s
95th percentile per-packet one-way delay: 31.932 ms
Loss rate: 1.24%
-- Flow 2:
Average throughput: 36.86 Mbit/s
95th percentile per-packet one-way delay: 39.448 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 23.59 Mbit/s
95th percentile per-packet one-way delay: 47.458 ms
Loss rate: 0.98%

Run 9: Report of FillP-Sheep — Data Link

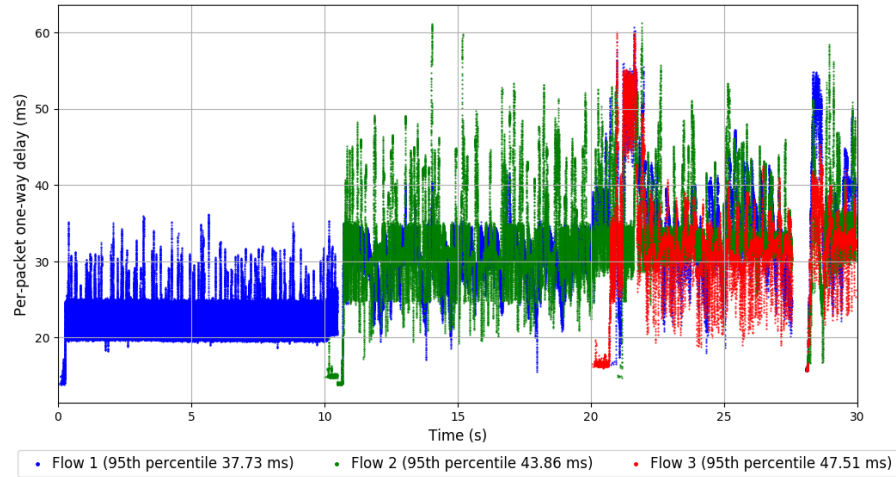
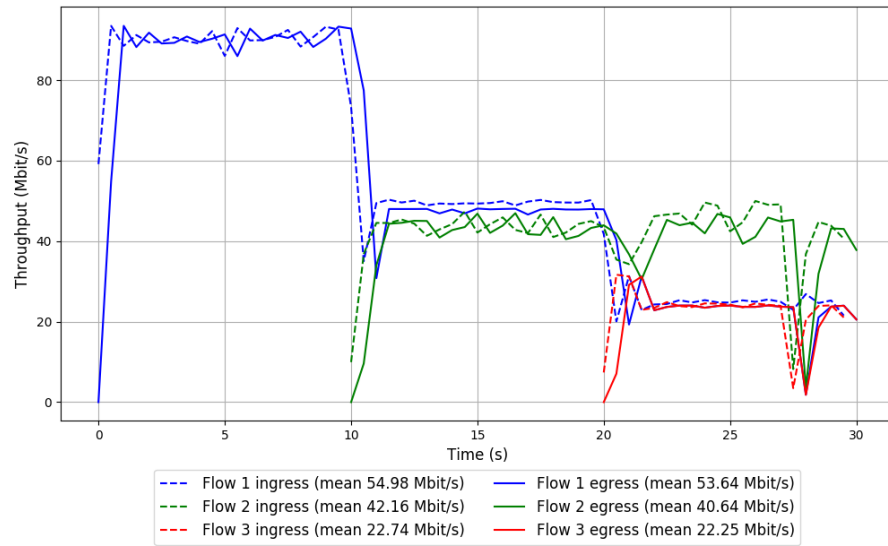


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-25 10:51:30
End at: 2018-07-25 10:52:00
Local clock offset: 1.279 ms
Remote clock offset: -2.862 ms

Below is generated by plot.py at 2018-07-25 11:14:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.05 Mbit/s
95th percentile per-packet one-way delay: 40.924 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 53.64 Mbit/s
95th percentile per-packet one-way delay: 37.729 ms
Loss rate: 2.51%
-- Flow 2:
Average throughput: 40.64 Mbit/s
95th percentile per-packet one-way delay: 43.859 ms
Loss rate: 3.73%
-- Flow 3:
Average throughput: 22.25 Mbit/s
95th percentile per-packet one-way delay: 47.514 ms
Loss rate: 2.39%

Run 10: Report of FillP-Sheep — Data Link

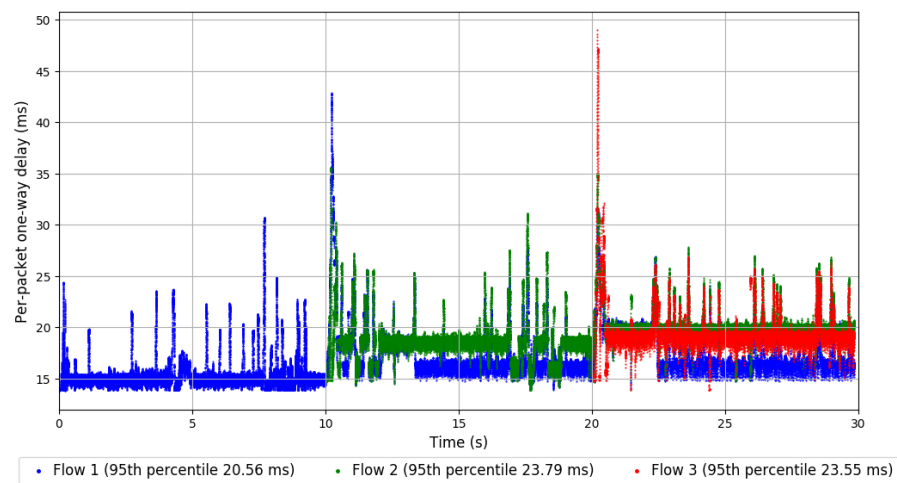
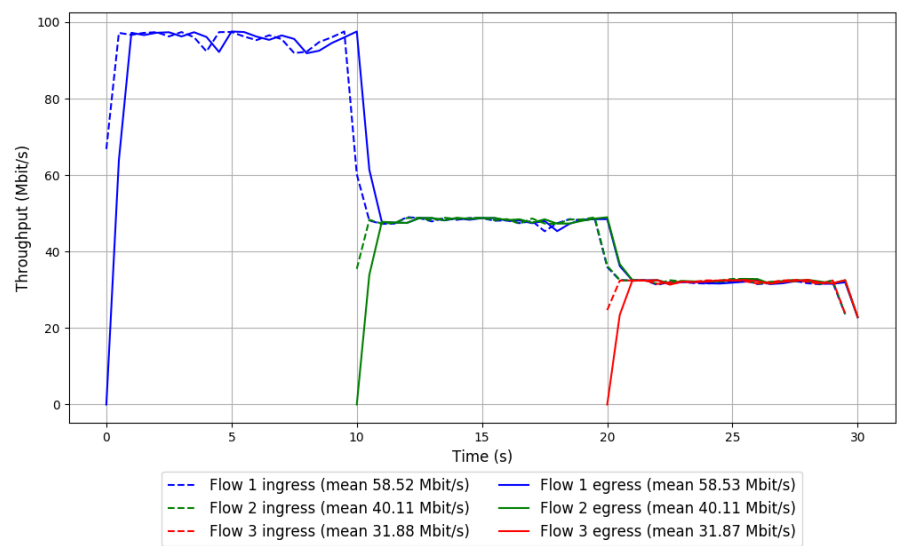


Run 1: Statistics of Indigo

Start at: 2018-07-25 07:40:41
End at: 2018-07-25 07:41:11
Local clock offset: -0.676 ms
Remote clock offset: -1.765 ms

Below is generated by plot.py at 2018-07-25 11:14:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 22.286 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 58.53 Mbit/s
95th percentile per-packet one-way delay: 20.564 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.11 Mbit/s
95th percentile per-packet one-way delay: 23.794 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 23.546 ms
Loss rate: 0.32%

Run 1: Report of Indigo — Data Link

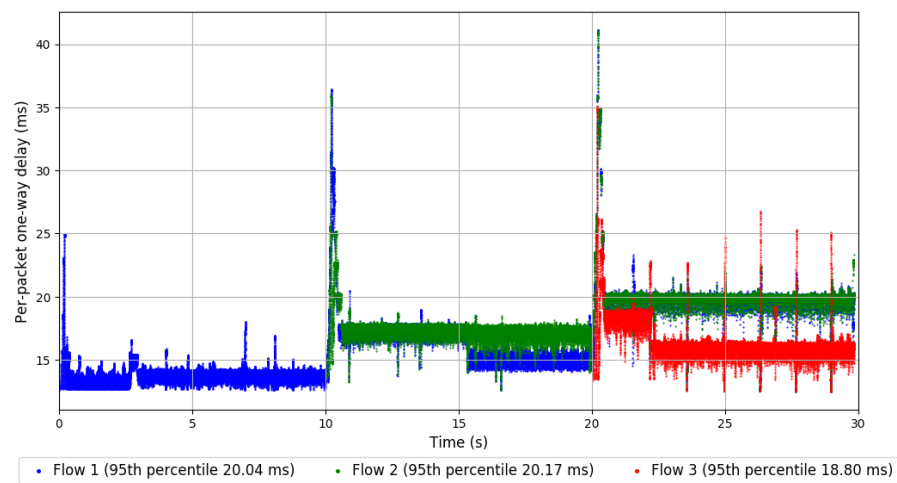
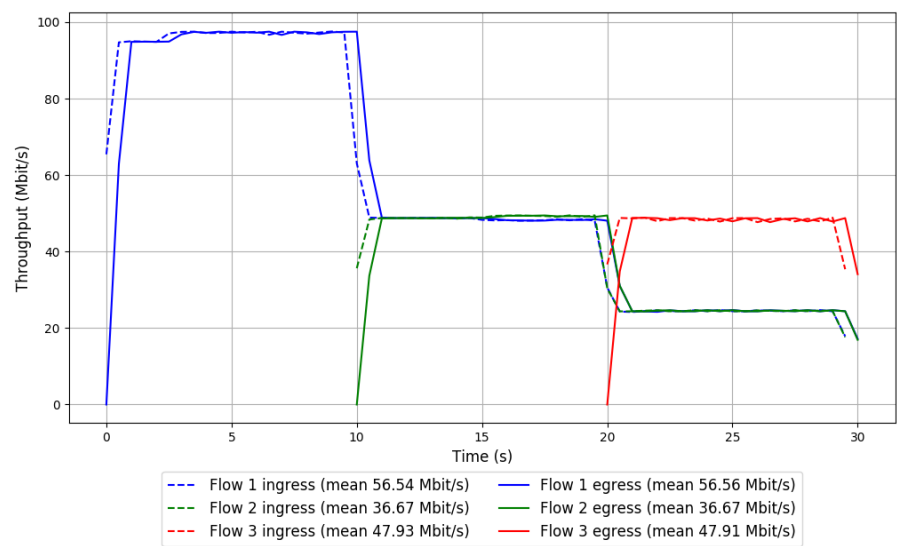


Run 2: Statistics of Indigo

Start at: 2018-07-25 08:02:40
End at: 2018-07-25 08:03:10
Local clock offset: -2.762 ms
Remote clock offset: -7.361 ms

Below is generated by plot.py at 2018-07-25 11:14:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.68 Mbit/s
95th percentile per-packet one-way delay: 20.083 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.56 Mbit/s
95th percentile per-packet one-way delay: 20.042 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.67 Mbit/s
95th percentile per-packet one-way delay: 20.167 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 47.91 Mbit/s
95th percentile per-packet one-way delay: 18.801 ms
Loss rate: 0.31%

Run 2: Report of Indigo — Data Link

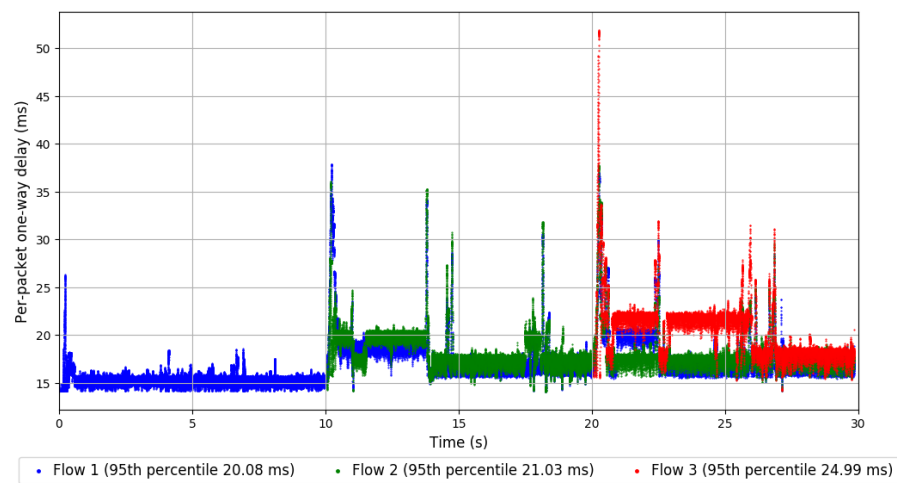
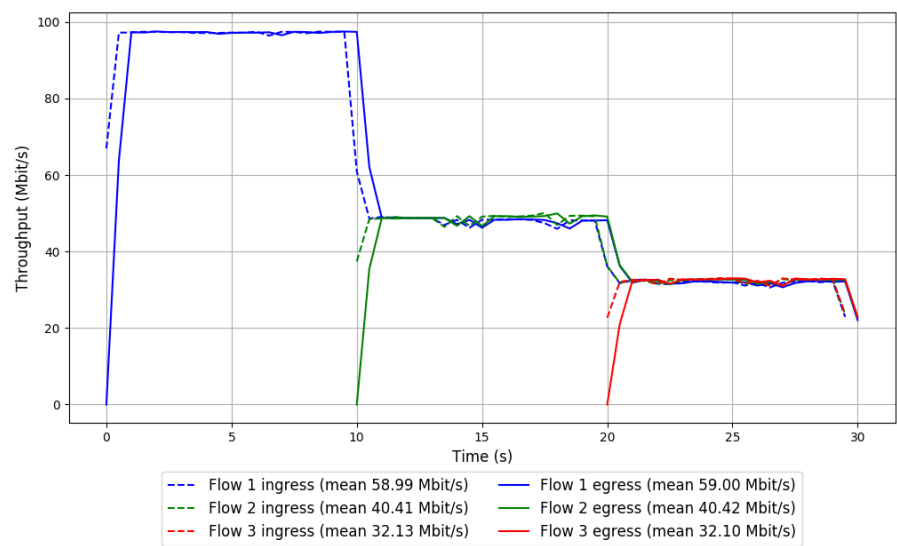


Run 3: Statistics of Indigo

Start at: 2018-07-25 08:23:20
End at: 2018-07-25 08:23:50
Local clock offset: -0.002 ms
Remote clock offset: -10.704 ms

Below is generated by plot.py at 2018-07-25 11:14:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: 22.007 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.00 Mbit/s
95th percentile per-packet one-way delay: 20.077 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.42 Mbit/s
95th percentile per-packet one-way delay: 21.028 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.10 Mbit/s
95th percentile per-packet one-way delay: 24.994 ms
Loss rate: 0.36%

Run 3: Report of Indigo — Data Link

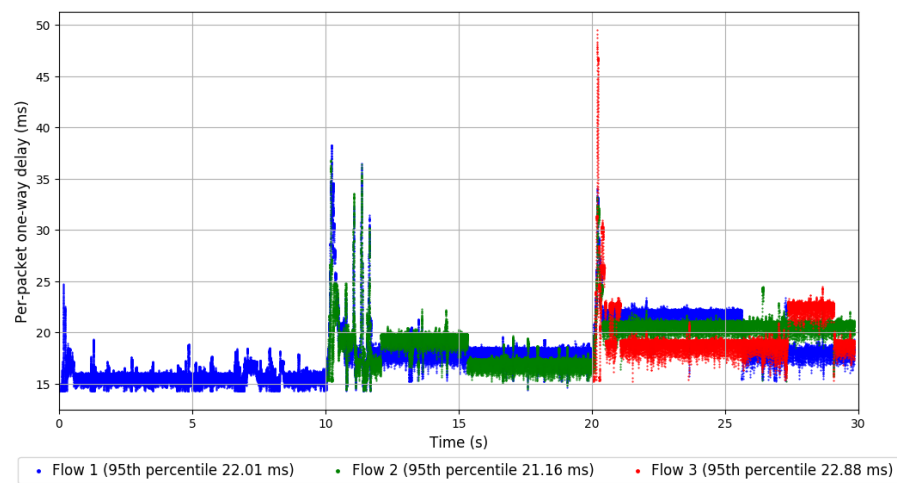
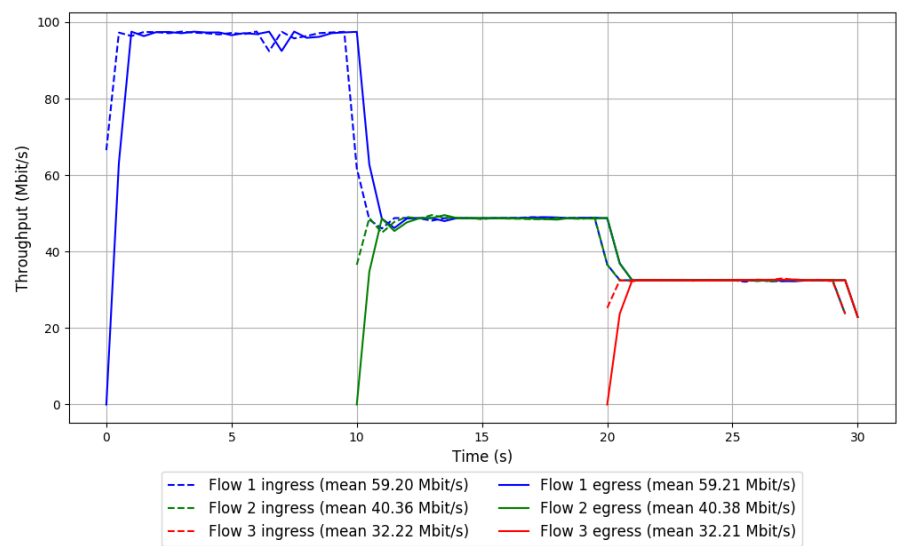


Run 4: Statistics of Indigo

Start at: 2018-07-25 08:44:29
End at: 2018-07-25 08:44:59
Local clock offset: 0.458 ms
Remote clock offset: -3.393 ms

Below is generated by plot.py at 2018-07-25 11:14:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.64 Mbit/s
95th percentile per-packet one-way delay: 22.113 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.21 Mbit/s
95th percentile per-packet one-way delay: 22.009 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.38 Mbit/s
95th percentile per-packet one-way delay: 21.165 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.21 Mbit/s
95th percentile per-packet one-way delay: 22.882 ms
Loss rate: 0.33%

Run 4: Report of Indigo — Data Link

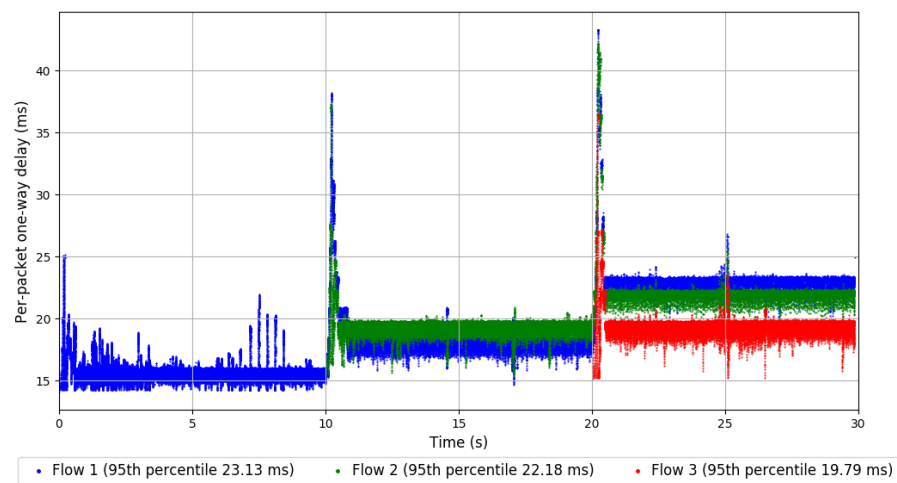
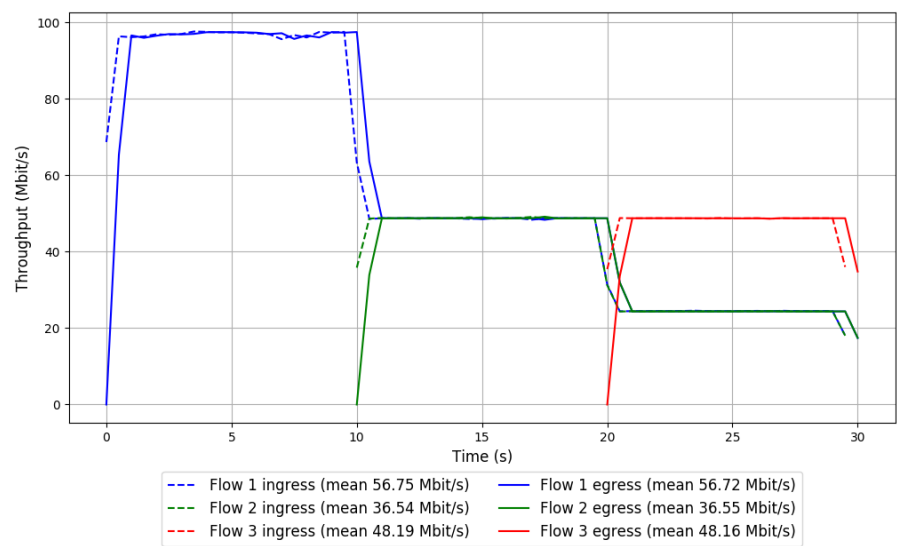


Run 5: Statistics of Indigo

Start at: 2018-07-25 09:05:20
End at: 2018-07-25 09:05:50
Local clock offset: 0.635 ms
Remote clock offset: -0.252 ms

Below is generated by plot.py at 2018-07-25 11:15:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 23.025 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 56.72 Mbit/s
95th percentile per-packet one-way delay: 23.132 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 36.55 Mbit/s
95th percentile per-packet one-way delay: 22.184 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 48.16 Mbit/s
95th percentile per-packet one-way delay: 19.789 ms
Loss rate: 0.33%

Run 5: Report of Indigo — Data Link

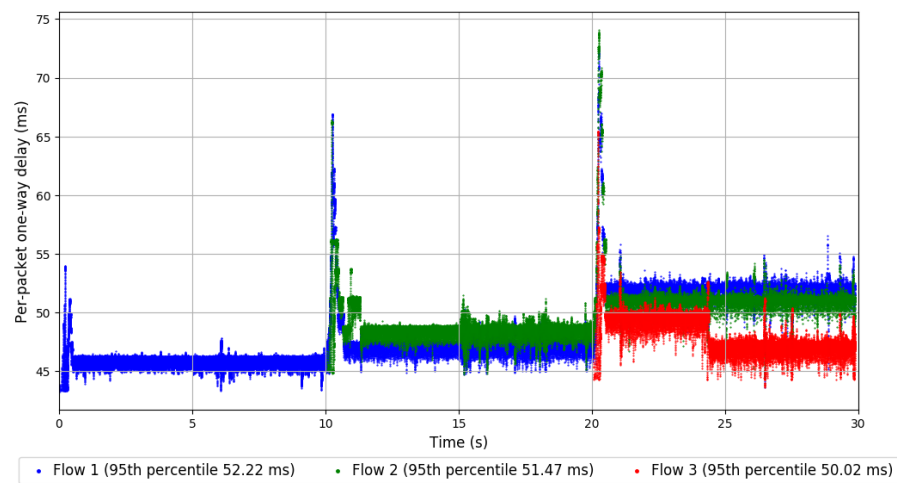
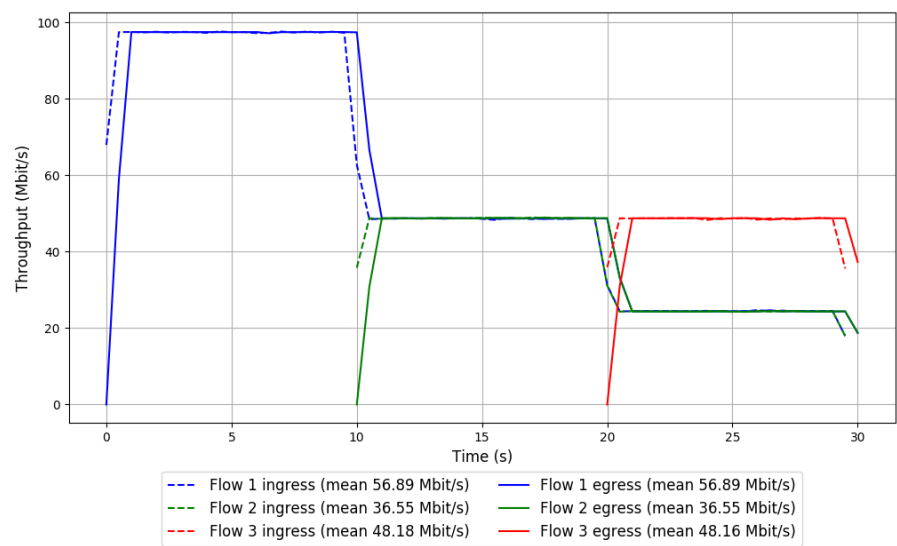


Run 6: Statistics of Indigo

Start at: 2018-07-25 09:26:37
End at: 2018-07-25 09:27:07
Local clock offset: -1.269 ms
Remote clock offset: -29.121 ms

Below is generated by plot.py at 2018-07-25 11:15:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 52.133 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 56.89 Mbit/s
95th percentile per-packet one-way delay: 52.223 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 36.55 Mbit/s
95th percentile per-packet one-way delay: 51.469 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 48.16 Mbit/s
95th percentile per-packet one-way delay: 50.021 ms
Loss rate: 0.30%

Run 6: Report of Indigo — Data Link

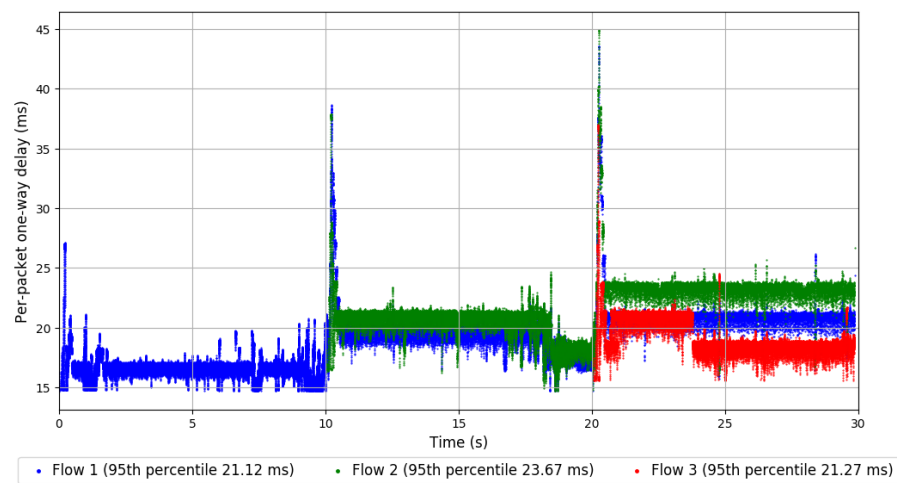
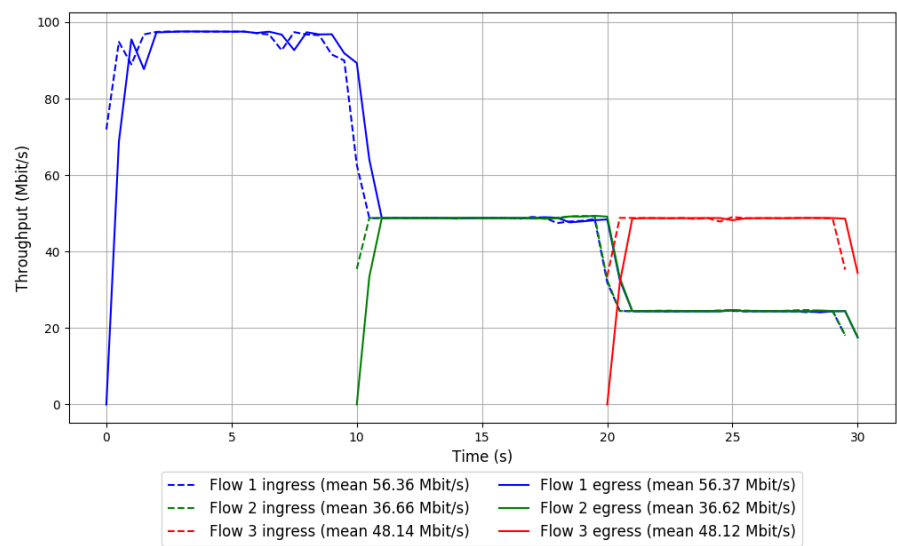


Run 7: Statistics of Indigo

Start at: 2018-07-25 09:47:24
End at: 2018-07-25 09:47:54
Local clock offset: 3.416 ms
Remote clock offset: -2.217 ms

```
# Below is generated by plot.py at 2018-07-25 11:15:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 23.405 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 56.37 Mbit/s
95th percentile per-packet one-way delay: 21.121 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 23.670 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 48.12 Mbit/s
95th percentile per-packet one-way delay: 21.267 ms
Loss rate: 0.29%
```

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-25 10:08:05

End at: 2018-07-25 10:08:35

Local clock offset: 3.208 ms

Remote clock offset: -4.87 ms

Below is generated by plot.py at 2018-07-25 11:15:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.99 Mbit/s

95th percentile per-packet one-way delay: 23.917 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 56.87 Mbit/s

95th percentile per-packet one-way delay: 24.104 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 48.45 Mbit/s

95th percentile per-packet one-way delay: 21.738 ms

Loss rate: 0.17%

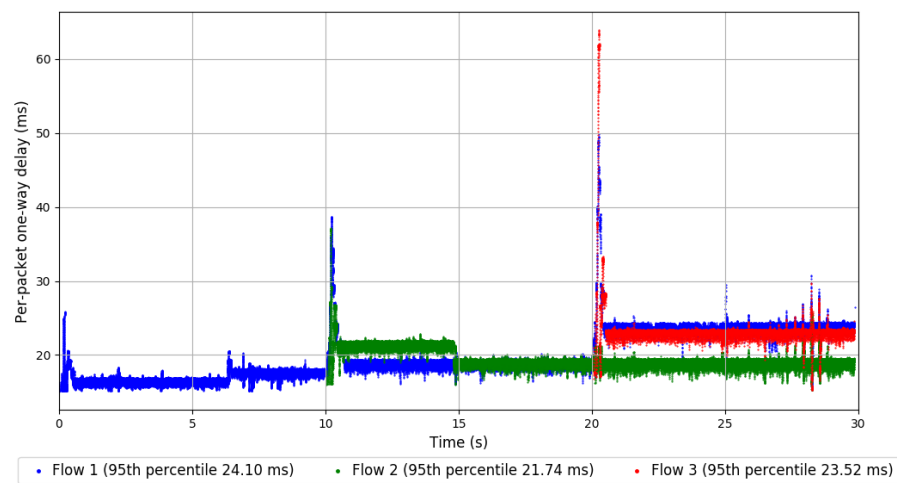
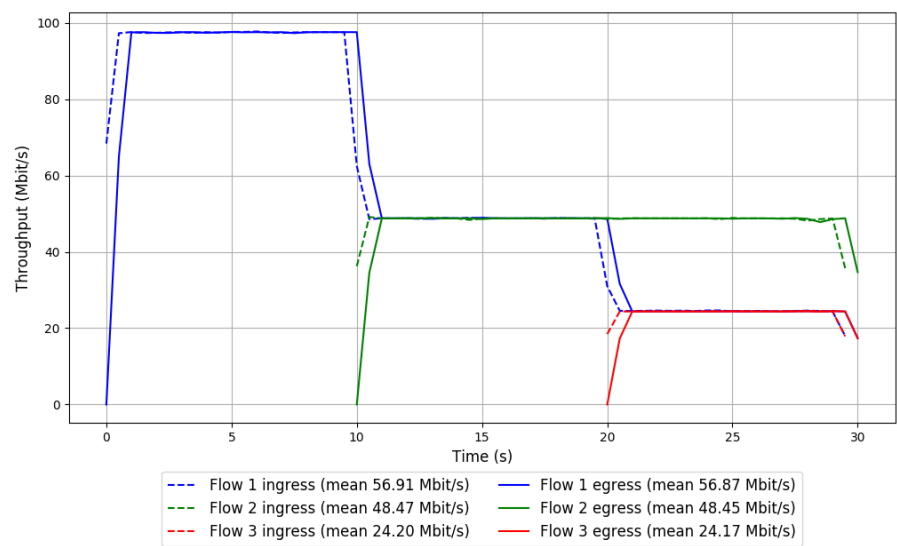
-- Flow 3:

Average throughput: 24.17 Mbit/s

95th percentile per-packet one-way delay: 23.515 ms

Loss rate: 0.39%

Run 8: Report of Indigo — Data Link

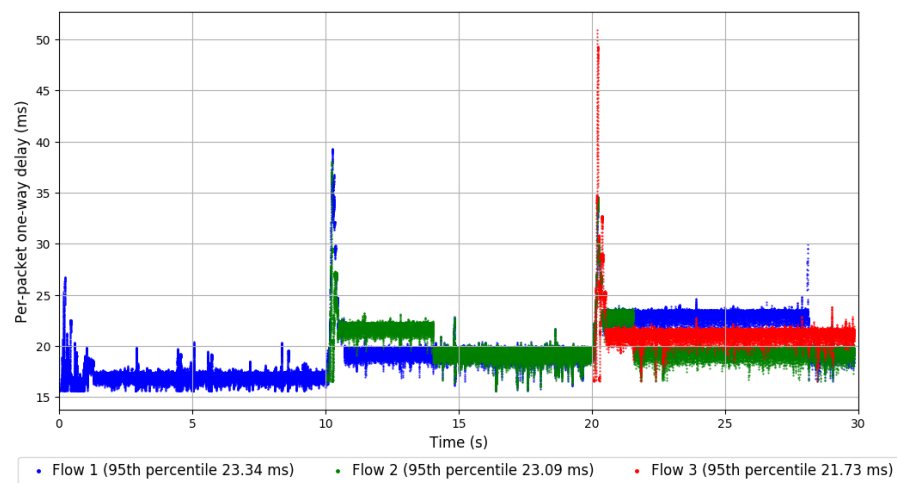
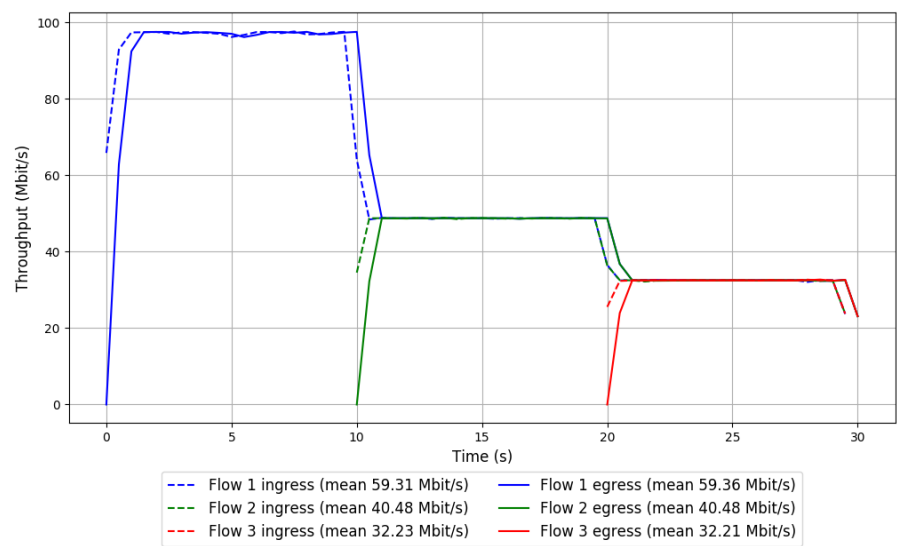


Run 9: Statistics of Indigo

Start at: 2018-07-25 10:28:30
End at: 2018-07-25 10:29:00
Local clock offset: 3.496 ms
Remote clock offset: -1.644 ms

Below is generated by plot.py at 2018-07-25 11:15:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 23.300 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.36 Mbit/s
95th percentile per-packet one-way delay: 23.335 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.48 Mbit/s
95th percentile per-packet one-way delay: 23.089 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 32.21 Mbit/s
95th percentile per-packet one-way delay: 21.726 ms
Loss rate: 0.33%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-25 10:49:03

End at: 2018-07-25 10:49:33

Local clock offset: -2.028 ms

Remote clock offset: -1.51 ms

Below is generated by plot.py at 2018-07-25 11:15:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.33 Mbit/s

95th percentile per-packet one-way delay: 21.541 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 50.60 Mbit/s

95th percentile per-packet one-way delay: 22.324 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 50.19 Mbit/s

95th percentile per-packet one-way delay: 17.030 ms

Loss rate: 0.14%

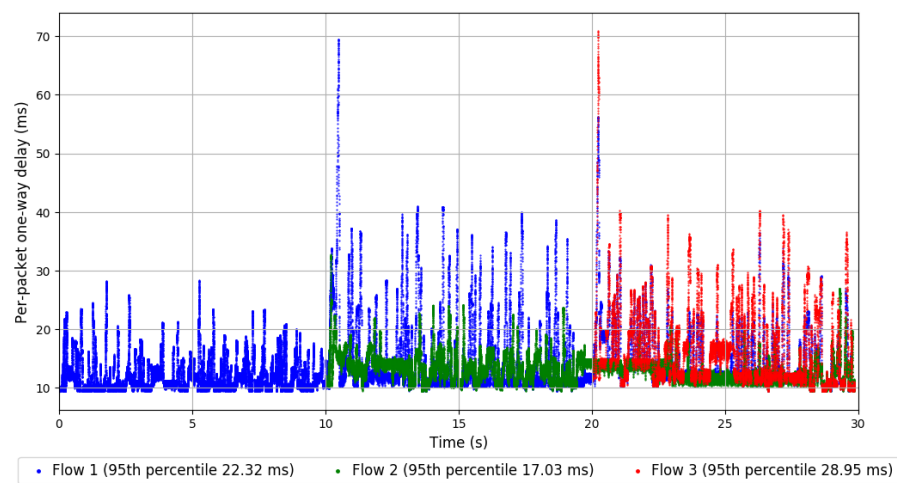
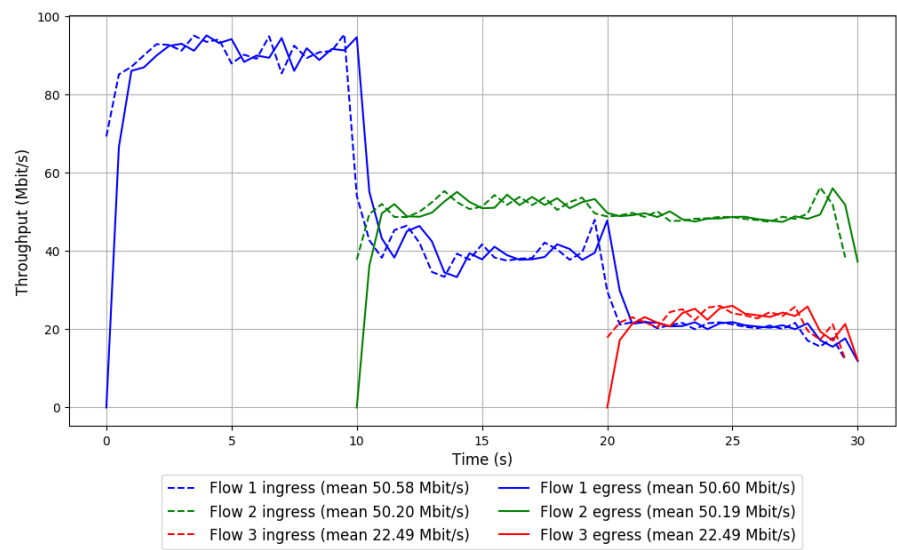
-- Flow 3:

Average throughput: 22.49 Mbit/s

95th percentile per-packet one-way delay: 28.950 ms

Loss rate: 0.27%

Run 10: Report of Indigo — Data Link

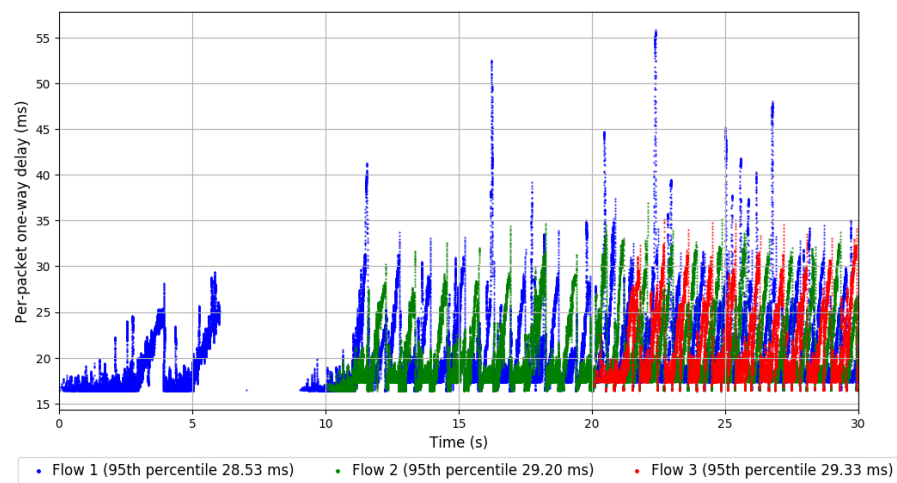
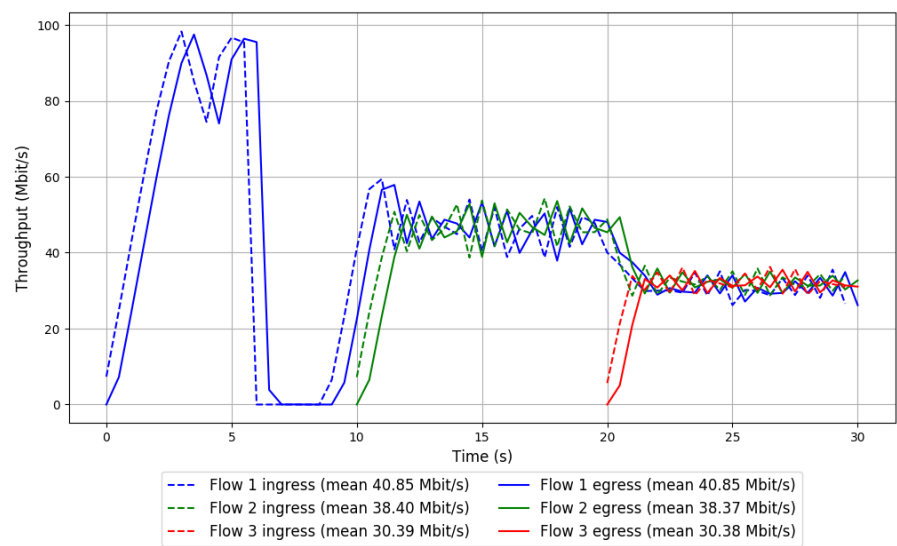


Run 1: Statistics of LEDBAT

Start at: 2018-07-25 07:42:10
End at: 2018-07-25 07:42:40
Local clock offset: 1.043 ms
Remote clock offset: -2.504 ms

Below is generated by plot.py at 2018-07-25 11:15:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.48 Mbit/s
95th percentile per-packet one-way delay: 28.961 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 40.85 Mbit/s
95th percentile per-packet one-way delay: 28.526 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 38.37 Mbit/s
95th percentile per-packet one-way delay: 29.196 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 30.38 Mbit/s
95th percentile per-packet one-way delay: 29.333 ms
Loss rate: 0.28%

Run 1: Report of LEDBAT — Data Link

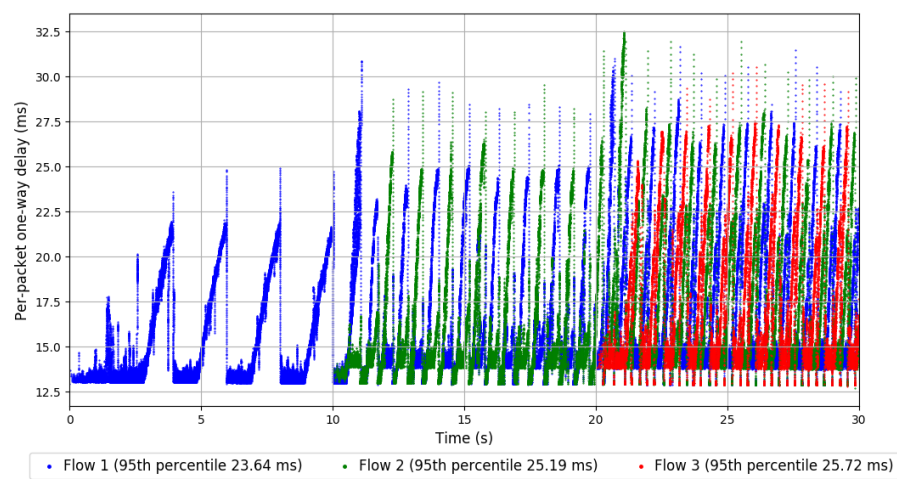
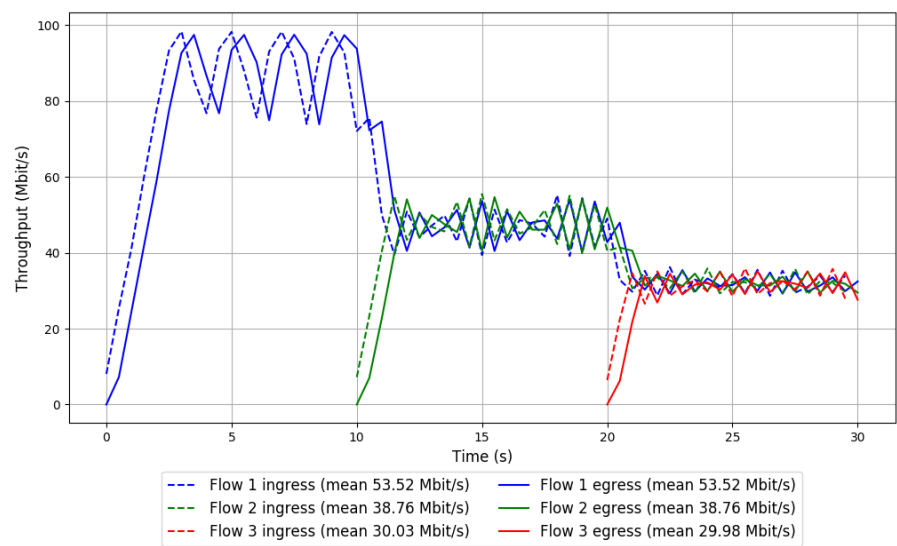


Run 2: Statistics of LEDBAT

Start at: 2018-07-25 08:03:54
End at: 2018-07-25 08:04:24
Local clock offset: -2.375 ms
Remote clock offset: -7.844 ms

Below is generated by plot.py at 2018-07-25 11:15:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.27 Mbit/s
95th percentile per-packet one-way delay: 24.472 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 53.52 Mbit/s
95th percentile per-packet one-way delay: 23.640 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 38.76 Mbit/s
95th percentile per-packet one-way delay: 25.186 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 29.98 Mbit/s
95th percentile per-packet one-way delay: 25.724 ms
Loss rate: 0.42%

Run 2: Report of LEDBAT — Data Link

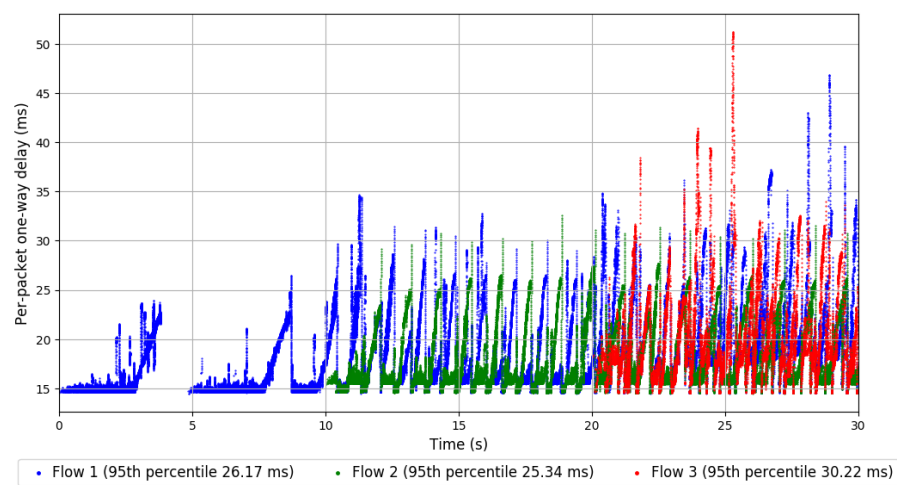
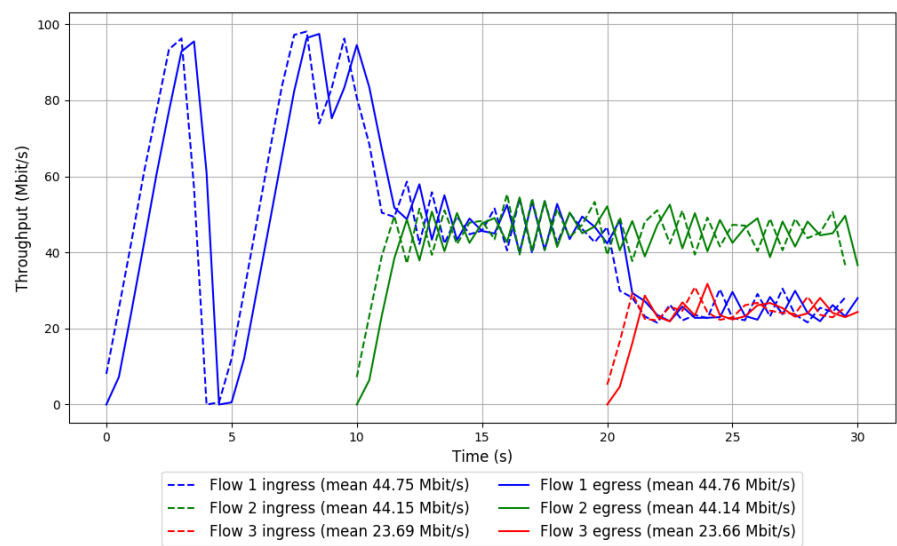


Run 3: Statistics of LEDBAT

Start at: 2018-07-25 08:24:38
End at: 2018-07-25 08:25:08
Local clock offset: 0.464 ms
Remote clock offset: -10.883 ms

Below is generated by plot.py at 2018-07-25 11:16:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.99 Mbit/s
95th percentile per-packet one-way delay: 25.991 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 44.76 Mbit/s
95th percentile per-packet one-way delay: 26.170 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 44.14 Mbit/s
95th percentile per-packet one-way delay: 25.338 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 23.66 Mbit/s
95th percentile per-packet one-way delay: 30.217 ms
Loss rate: 0.47%

Run 3: Report of LEDBAT — Data Link

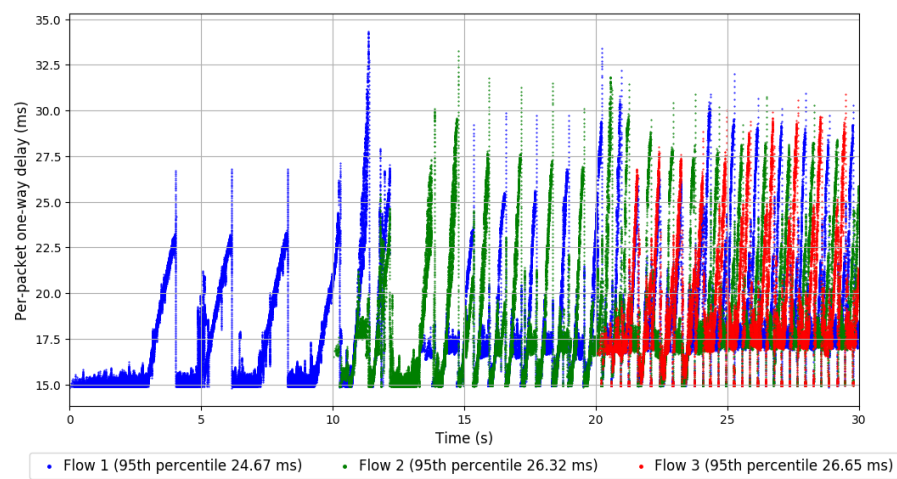
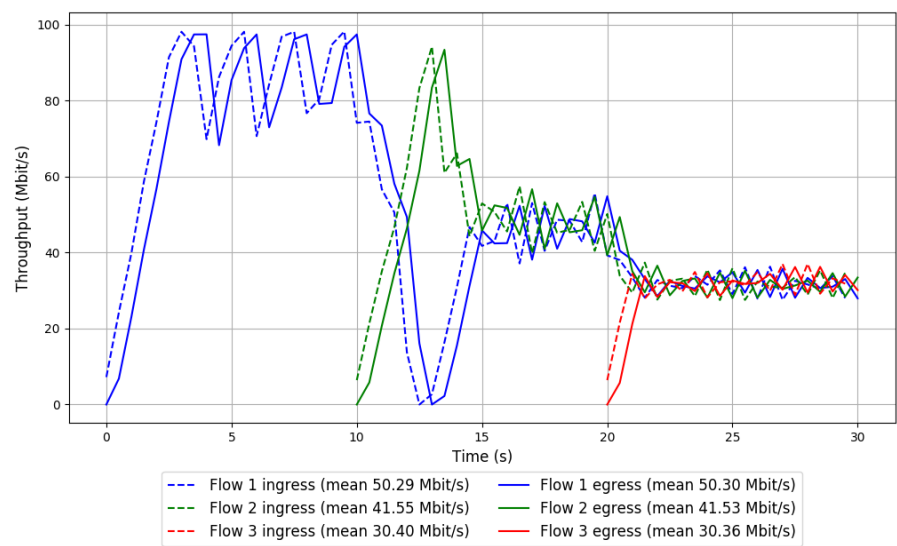


Run 4: Statistics of LEDBAT

Start at: 2018-07-25 08:45:46
End at: 2018-07-25 08:46:16
Local clock offset: 0.689 ms
Remote clock offset: -3.508 ms

Below is generated by plot.py at 2018-07-25 11:16:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.02 Mbit/s
95th percentile per-packet one-way delay: 25.664 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 50.30 Mbit/s
95th percentile per-packet one-way delay: 24.672 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 41.53 Mbit/s
95th percentile per-packet one-way delay: 26.322 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 30.36 Mbit/s
95th percentile per-packet one-way delay: 26.654 ms
Loss rate: 0.41%

Run 4: Report of LEDBAT — Data Link

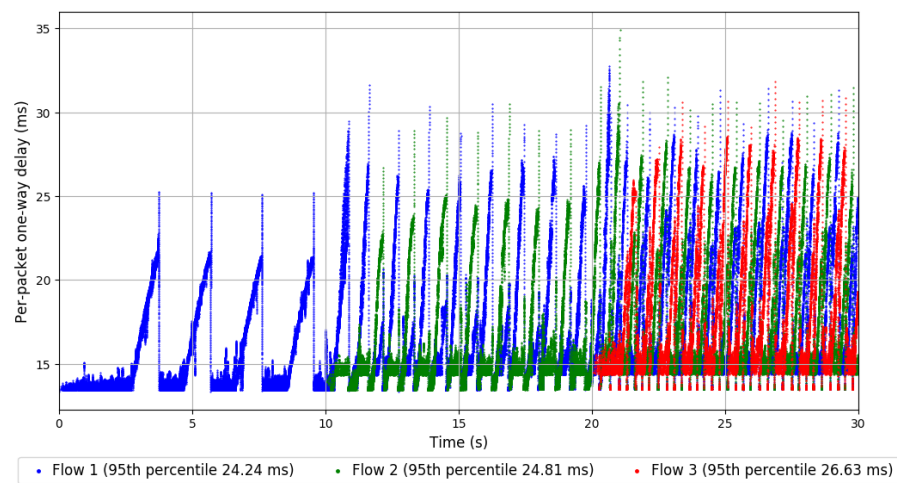
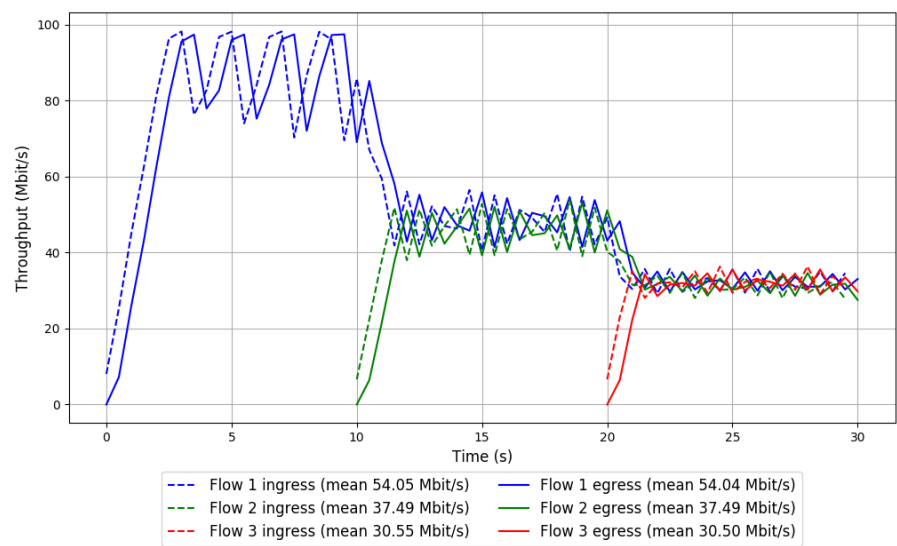


Run 5: Statistics of LEDBAT

Start at: 2018-07-25 09:06:35
End at: 2018-07-25 09:07:05
Local clock offset: -0.748 ms
Remote clock offset: -0.653 ms

Below is generated by plot.py at 2018-07-25 11:16:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.13 Mbit/s
95th percentile per-packet one-way delay: 24.852 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 54.04 Mbit/s
95th percentile per-packet one-way delay: 24.240 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 37.49 Mbit/s
95th percentile per-packet one-way delay: 24.808 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 30.50 Mbit/s
95th percentile per-packet one-way delay: 26.632 ms
Loss rate: 0.42%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-25 09:27:51

End at: 2018-07-25 09:28:21

Local clock offset: 1.651 ms

Remote clock offset: 5.388 ms

Below is generated by plot.py at 2018-07-25 11:16:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.84 Mbit/s

95th percentile per-packet one-way delay: 23.040 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 51.09 Mbit/s

95th percentile per-packet one-way delay: 22.573 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 44.38 Mbit/s

95th percentile per-packet one-way delay: 21.591 ms

Loss rate: 0.22%

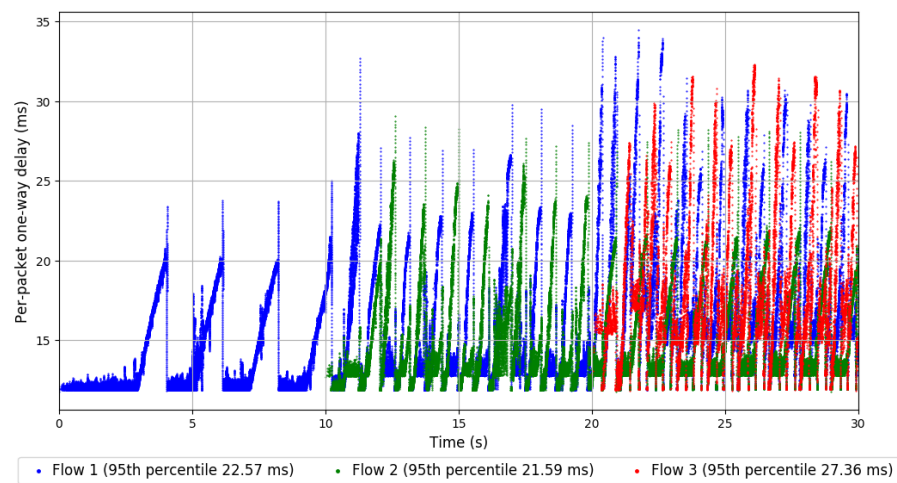
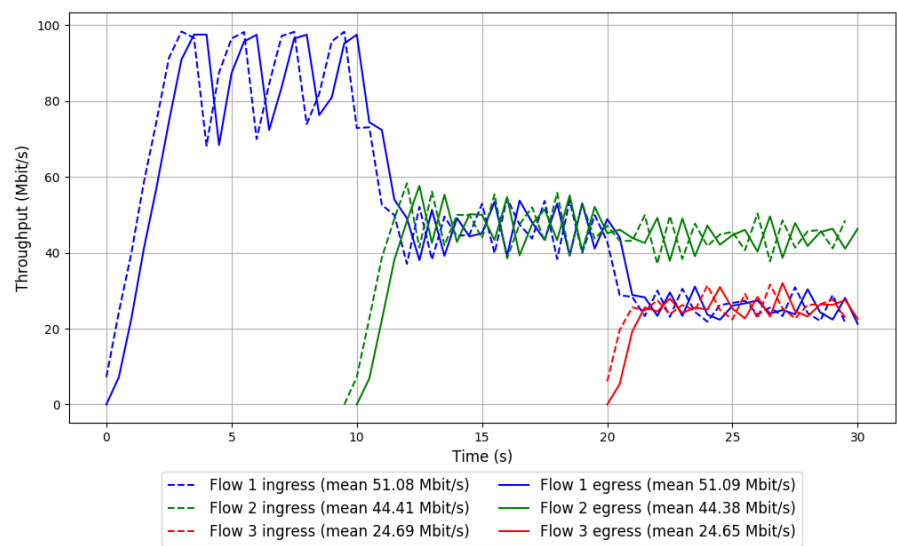
-- Flow 3:

Average throughput: 24.65 Mbit/s

95th percentile per-packet one-way delay: 27.356 ms

Loss rate: 0.29%

Run 6: Report of LEDBAT — Data Link

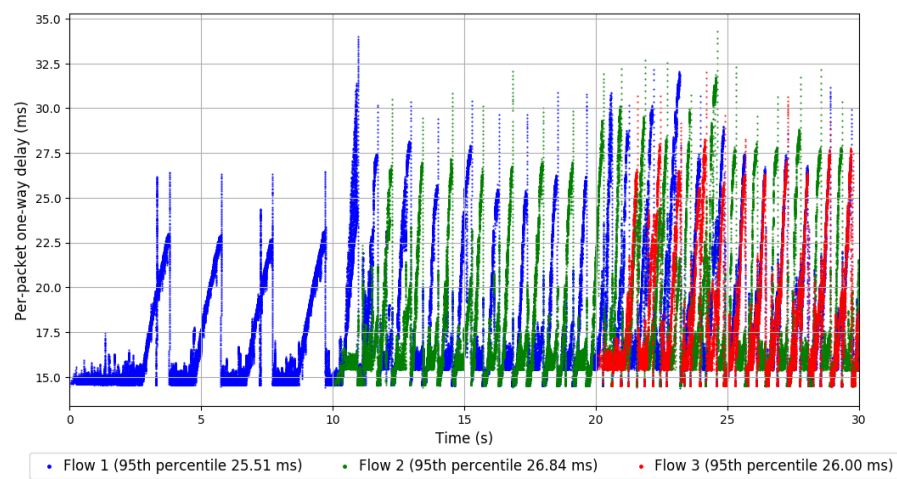
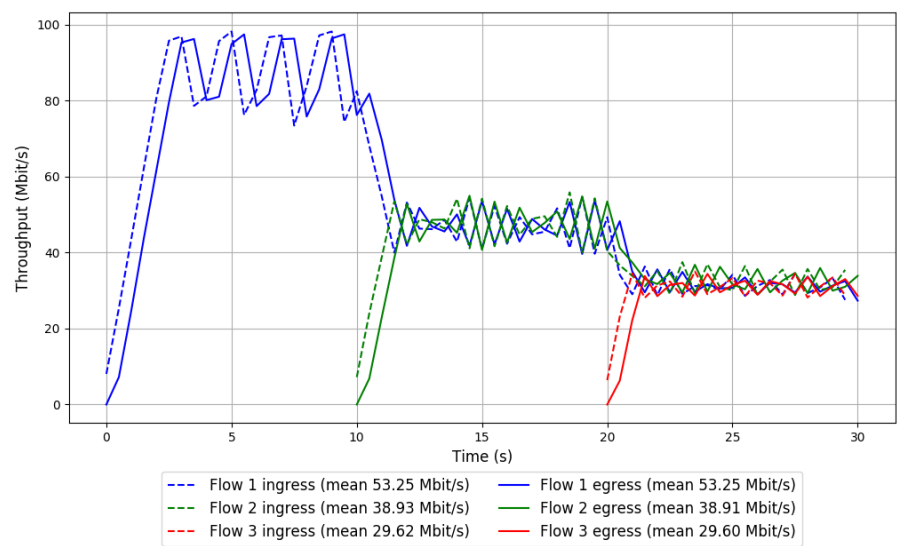


Run 7: Statistics of LEDBAT

Start at: 2018-07-25 09:48:37
End at: 2018-07-25 09:49:07
Local clock offset: 2.693 ms
Remote clock offset: -3.028 ms

Below is generated by plot.py at 2018-07-25 11:16:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.99 Mbit/s
95th percentile per-packet one-way delay: 26.142 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 53.25 Mbit/s
95th percentile per-packet one-way delay: 25.508 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: 26.836 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 29.60 Mbit/s
95th percentile per-packet one-way delay: 26.003 ms
Loss rate: 0.33%

Run 7: Report of LEDBAT — Data Link

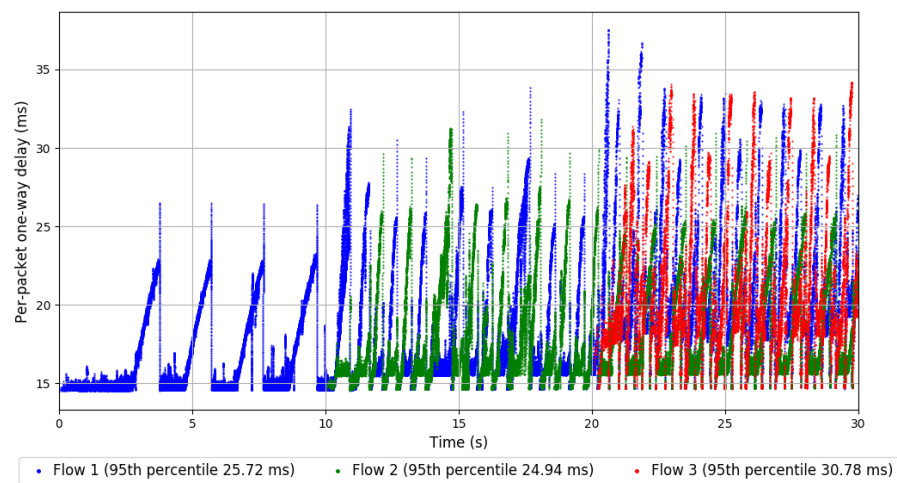
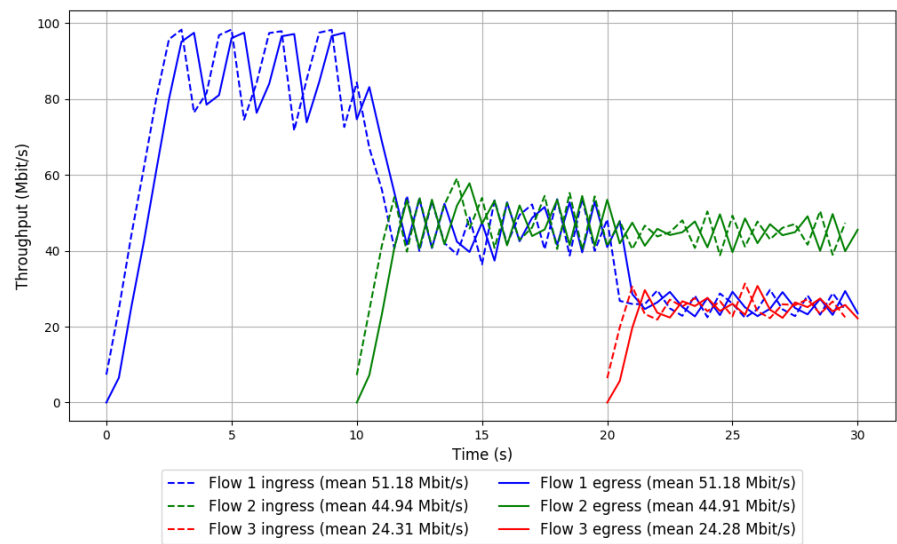


Run 8: Statistics of LEDBAT

Start at: 2018-07-25 10:09:17
End at: 2018-07-25 10:09:47
Local clock offset: 0.764 ms
Remote clock offset: -6.262 ms

Below is generated by plot.py at 2018-07-25 11:16:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.13 Mbit/s
95th percentile per-packet one-way delay: 25.815 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 51.18 Mbit/s
95th percentile per-packet one-way delay: 25.720 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 44.91 Mbit/s
95th percentile per-packet one-way delay: 24.943 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 30.783 ms
Loss rate: 0.37%

Run 8: Report of LEDBAT — Data Link

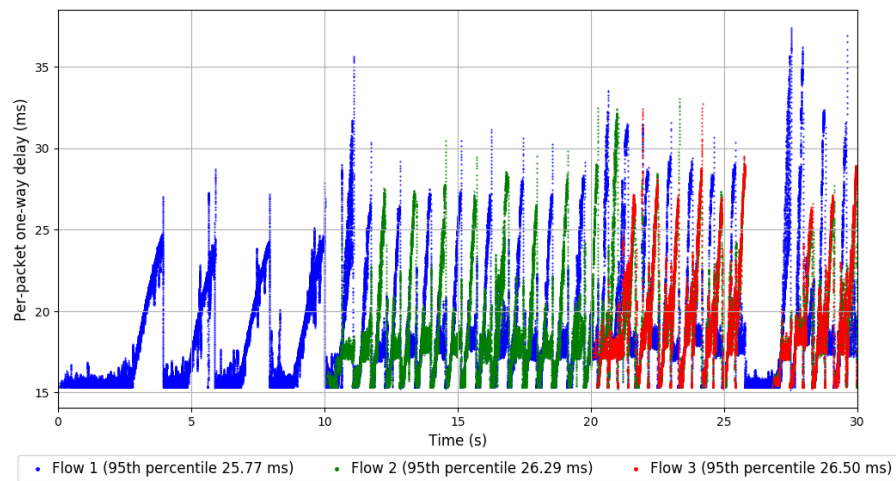
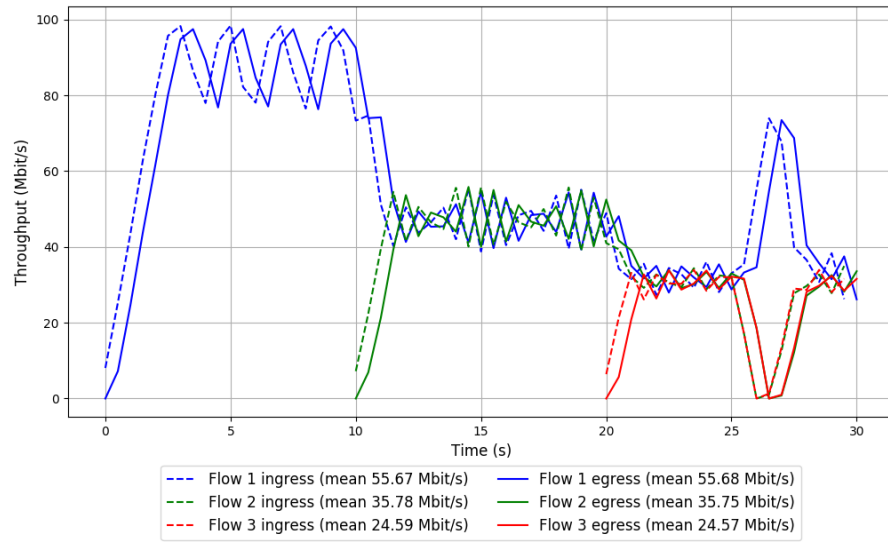


Run 9: Statistics of LEDBAT

Start at: 2018-07-25 10:29:45
End at: 2018-07-25 10:30:15
Local clock offset: 2.316 ms
Remote clock offset: -2.483 ms

Below is generated by plot.py at 2018-07-25 11:16:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.62 Mbit/s
95th percentile per-packet one-way delay: 26.088 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 55.68 Mbit/s
95th percentile per-packet one-way delay: 25.765 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 35.75 Mbit/s
95th percentile per-packet one-way delay: 26.287 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 26.497 ms
Loss rate: 0.34%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-25 10:50:16

End at: 2018-07-25 10:50:46

Local clock offset: -2.488 ms

Remote clock offset: -1.27 ms

Below is generated by plot.py at 2018-07-25 11:16:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.08 Mbit/s

95th percentile per-packet one-way delay: 23.311 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 47.27 Mbit/s

95th percentile per-packet one-way delay: 24.250 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 44.37 Mbit/s

95th percentile per-packet one-way delay: 19.791 ms

Loss rate: 0.17%

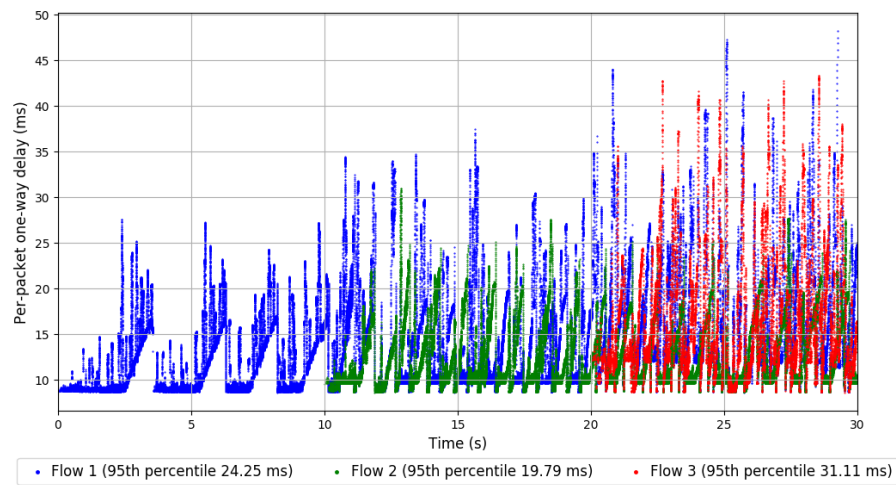
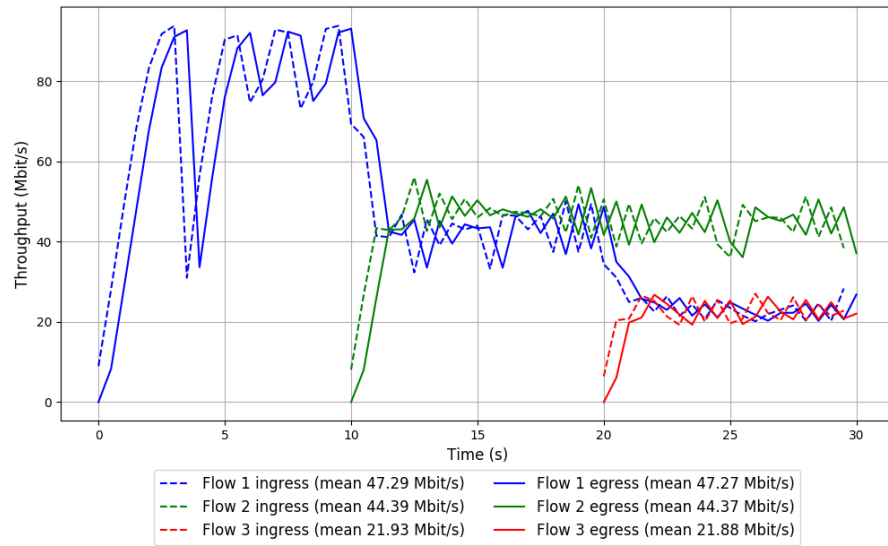
-- Flow 3:

Average throughput: 21.88 Mbit/s

95th percentile per-packet one-way delay: 31.109 ms

Loss rate: 0.49%

Run 10: Report of LEDBAT — Data Link

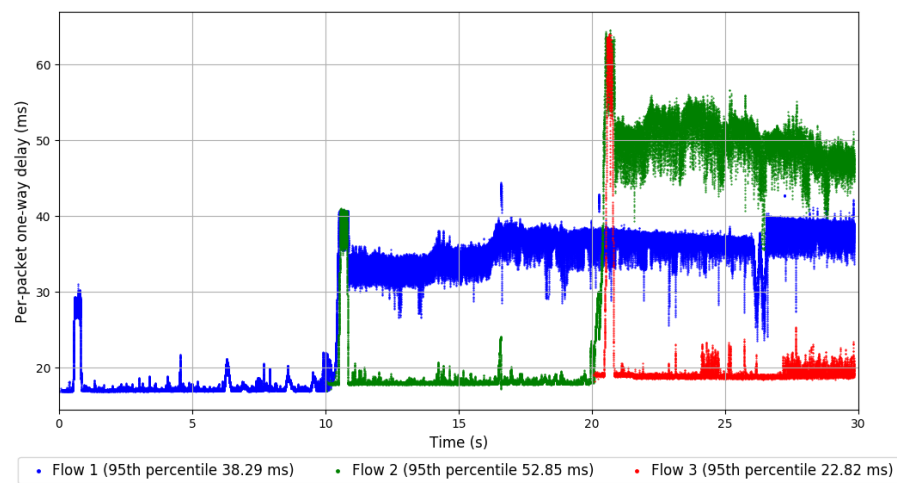
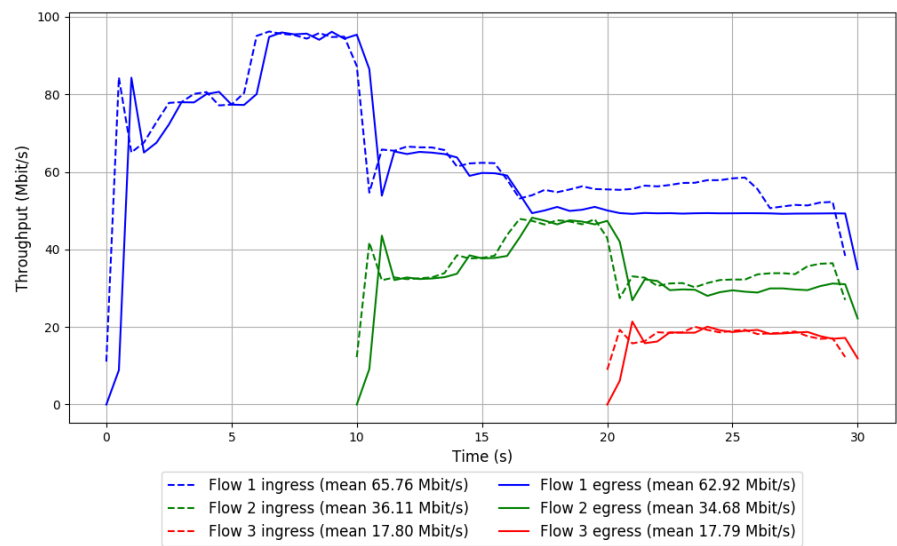


Run 1: Statistics of PCC-Allegro

Start at: 2018-07-25 07:46:26
End at: 2018-07-25 07:46:56
Local clock offset: 1.534 ms
Remote clock offset: -2.376 ms

Below is generated by plot.py at 2018-07-25 11:17:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.82 Mbit/s
95th percentile per-packet one-way delay: 49.861 ms
Loss rate: 4.11%
-- Flow 1:
Average throughput: 62.92 Mbit/s
95th percentile per-packet one-way delay: 38.291 ms
Loss rate: 4.42%
-- Flow 2:
Average throughput: 34.68 Mbit/s
95th percentile per-packet one-way delay: 52.848 ms
Loss rate: 4.16%
-- Flow 3:
Average throughput: 17.79 Mbit/s
95th percentile per-packet one-way delay: 22.822 ms
Loss rate: 0.31%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-25 08:07:31

End at: 2018-07-25 08:08:01

Local clock offset: 2.156 ms

Remote clock offset: -8.76 ms

Below is generated by plot.py at 2018-07-25 11:17:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.23 Mbit/s

95th percentile per-packet one-way delay: 48.954 ms

Loss rate: 2.77%

-- Flow 1:

Average throughput: 59.88 Mbit/s

95th percentile per-packet one-way delay: 46.680 ms

Loss rate: 3.39%

-- Flow 2:

Average throughput: 37.19 Mbit/s

95th percentile per-packet one-way delay: 49.969 ms

Loss rate: 1.76%

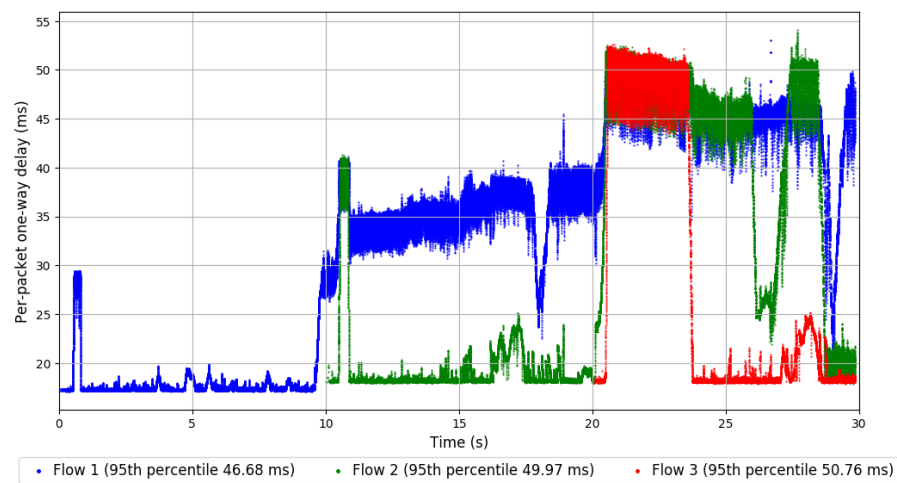
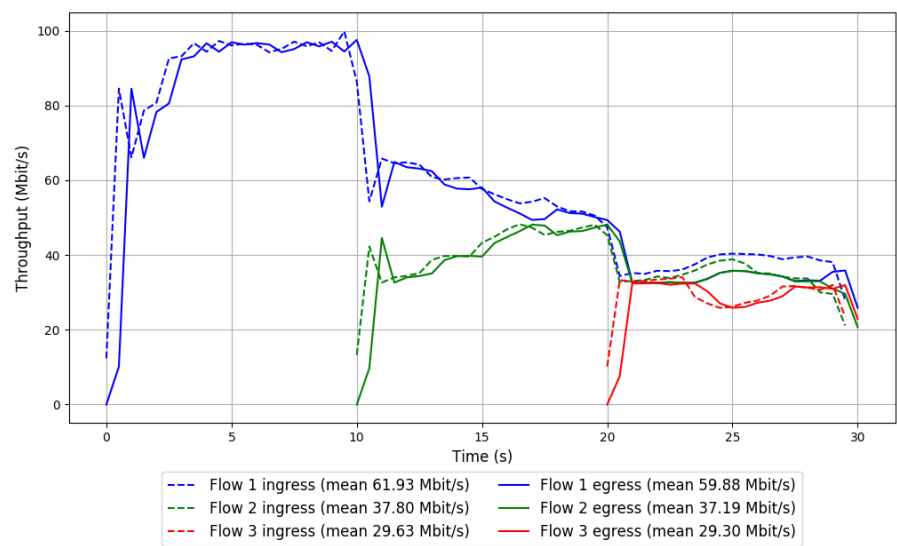
-- Flow 3:

Average throughput: 29.30 Mbit/s

95th percentile per-packet one-way delay: 50.755 ms

Loss rate: 1.40%

Run 2: Report of PCC-Allegro — Data Link

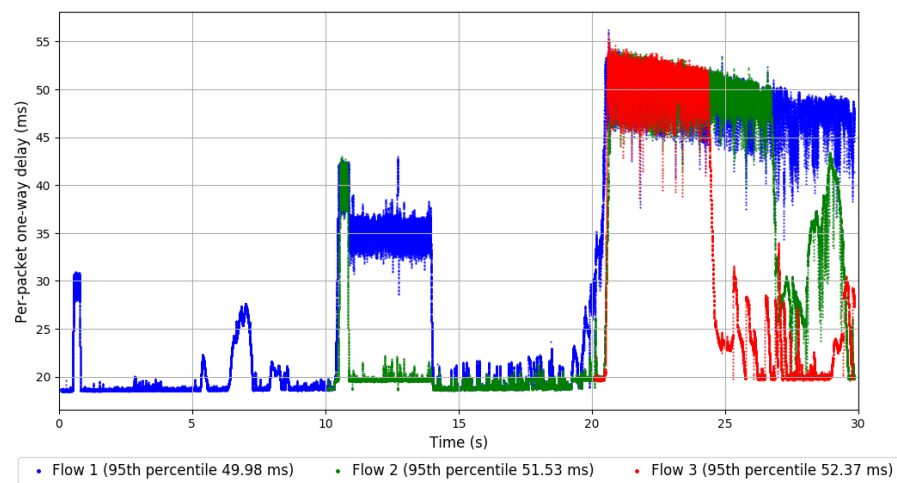
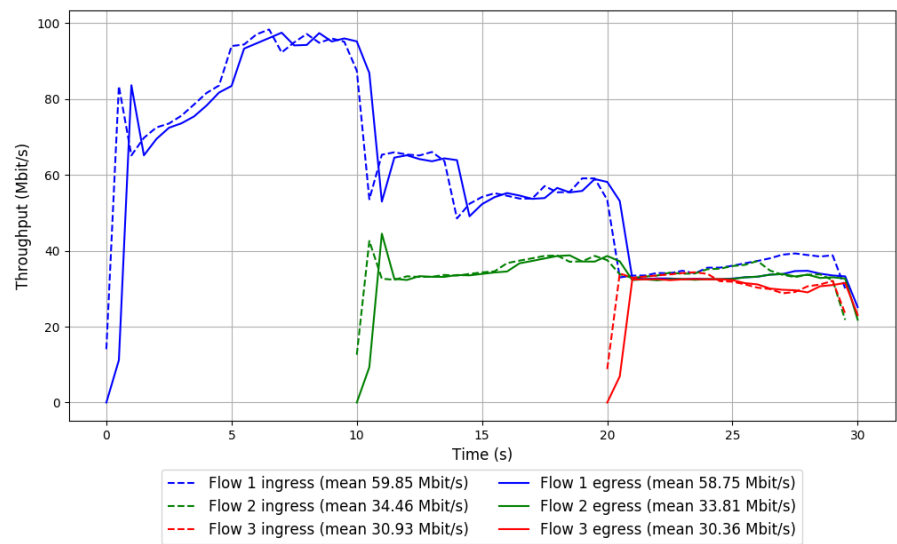


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-25 08:28:10
End at: 2018-07-25 08:28:40
Local clock offset: 2.092 ms
Remote clock offset: -11.89 ms

Below is generated by plot.py at 2018-07-25 11:17:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 51.108 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 58.75 Mbit/s
95th percentile per-packet one-way delay: 49.975 ms
Loss rate: 1.96%
-- Flow 2:
Average throughput: 33.81 Mbit/s
95th percentile per-packet one-way delay: 51.533 ms
Loss rate: 2.00%
-- Flow 3:
Average throughput: 30.36 Mbit/s
95th percentile per-packet one-way delay: 52.367 ms
Loss rate: 2.12%

Run 3: Report of PCC-Allegro — Data Link

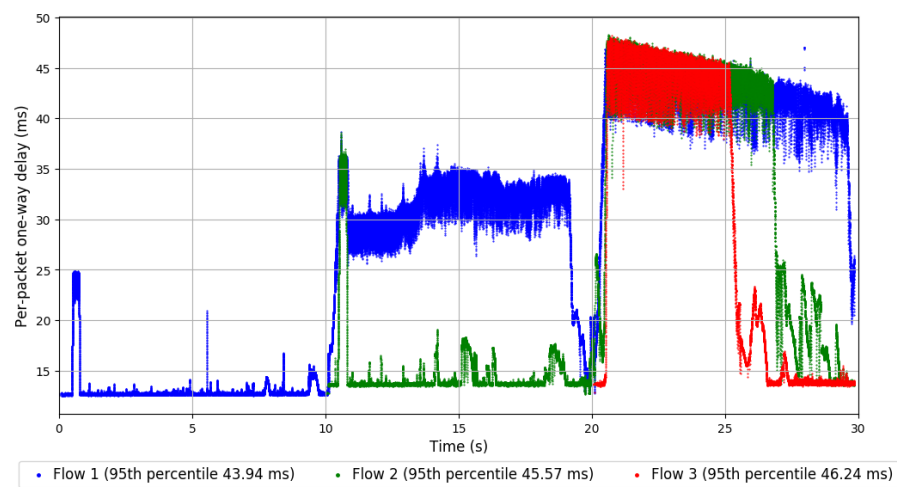
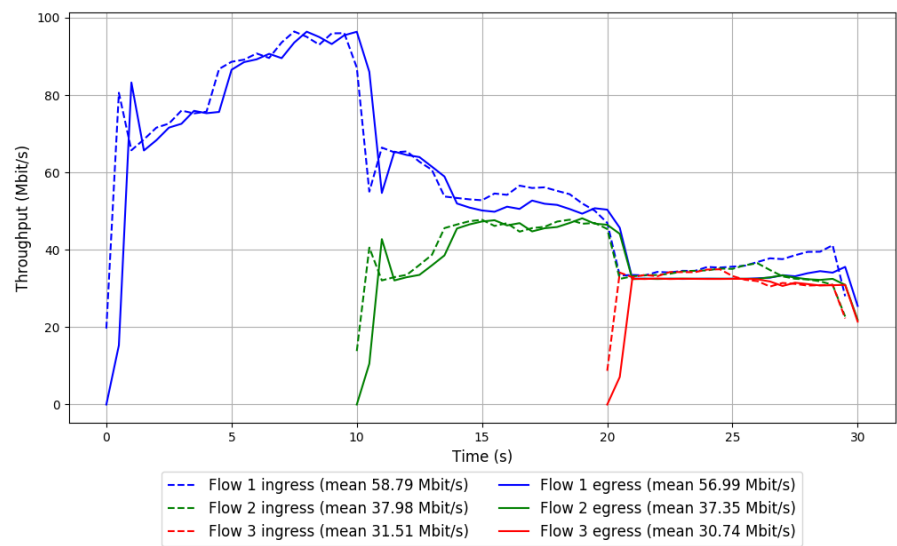


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-25 08:49:25
End at: 2018-07-25 08:49:55
Local clock offset: -1.292 ms
Remote clock offset: -2.796 ms

Below is generated by plot.py at 2018-07-25 11:17:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.93 Mbit/s
95th percentile per-packet one-way delay: 45.113 ms
Loss rate: 2.74%
-- Flow 1:
Average throughput: 56.99 Mbit/s
95th percentile per-packet one-way delay: 43.937 ms
Loss rate: 3.14%
-- Flow 2:
Average throughput: 37.35 Mbit/s
95th percentile per-packet one-way delay: 45.569 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 30.74 Mbit/s
95th percentile per-packet one-way delay: 46.245 ms
Loss rate: 2.71%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-25 09:10:05

End at: 2018-07-25 09:10:35

Local clock offset: -0.997 ms

Remote clock offset: 0.359 ms

Below is generated by plot.py at 2018-07-25 11:17:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.74 Mbit/s

95th percentile per-packet one-way delay: 38.024 ms

Loss rate: 4.18%

-- Flow 1:

Average throughput: 59.75 Mbit/s

95th percentile per-packet one-way delay: 39.331 ms

Loss rate: 6.13%

-- Flow 2:

Average throughput: 39.34 Mbit/s

95th percentile per-packet one-way delay: 20.273 ms

Loss rate: 0.31%

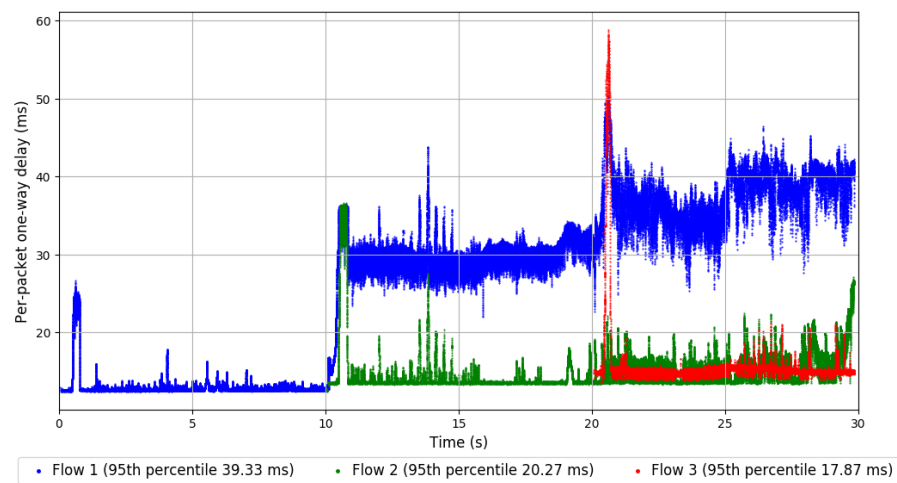
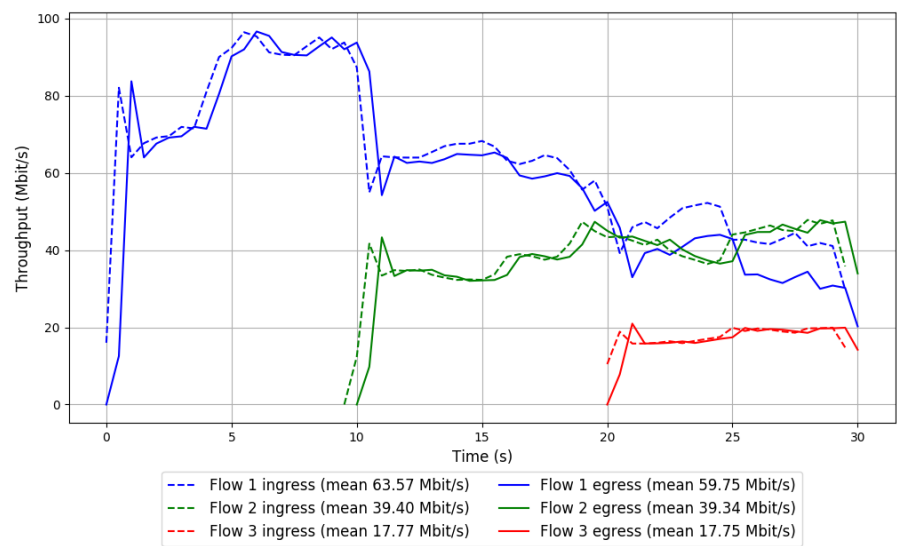
-- Flow 3:

Average throughput: 17.75 Mbit/s

95th percentile per-packet one-way delay: 17.868 ms

Loss rate: 0.41%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-25 09:31:26

End at: 2018-07-25 09:31:56

Local clock offset: 0.496 ms

Remote clock offset: 5.692 ms

Below is generated by plot.py at 2018-07-25 11:17:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.78 Mbit/s

95th percentile per-packet one-way delay: 38.238 ms

Loss rate: 3.63%

-- Flow 1:

Average throughput: 59.23 Mbit/s

95th percentile per-packet one-way delay: 39.052 ms

Loss rate: 5.54%

-- Flow 2:

Average throughput: 43.27 Mbit/s

95th percentile per-packet one-way delay: 12.917 ms

Loss rate: 0.15%

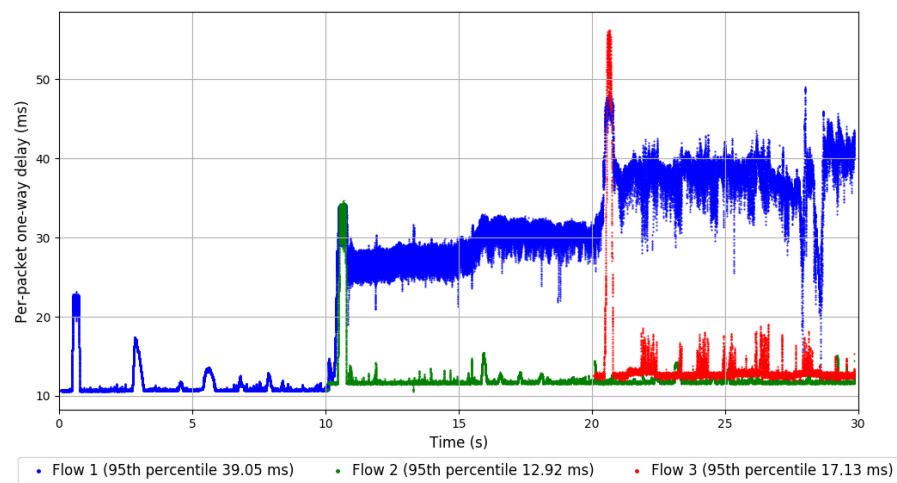
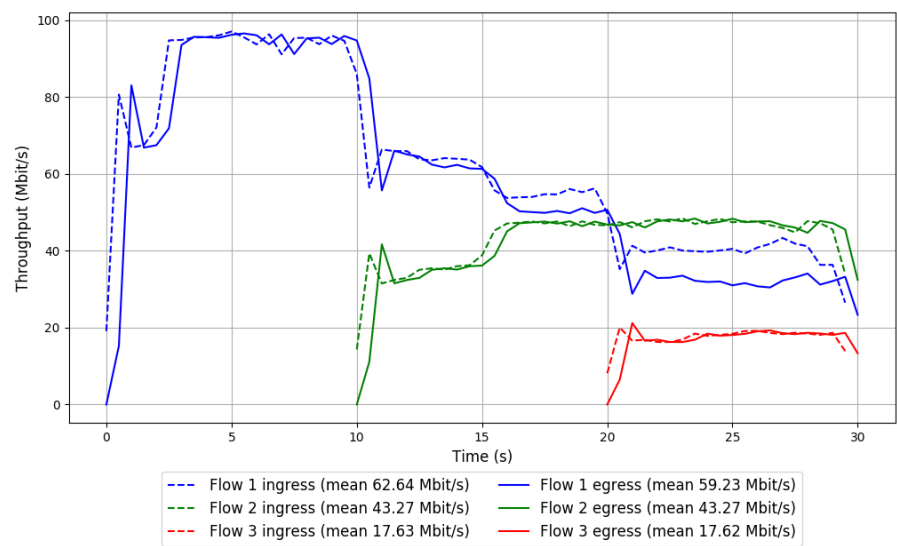
-- Flow 3:

Average throughput: 17.62 Mbit/s

95th percentile per-packet one-way delay: 17.130 ms

Loss rate: 0.32%

Run 6: Report of PCC-Allegro — Data Link

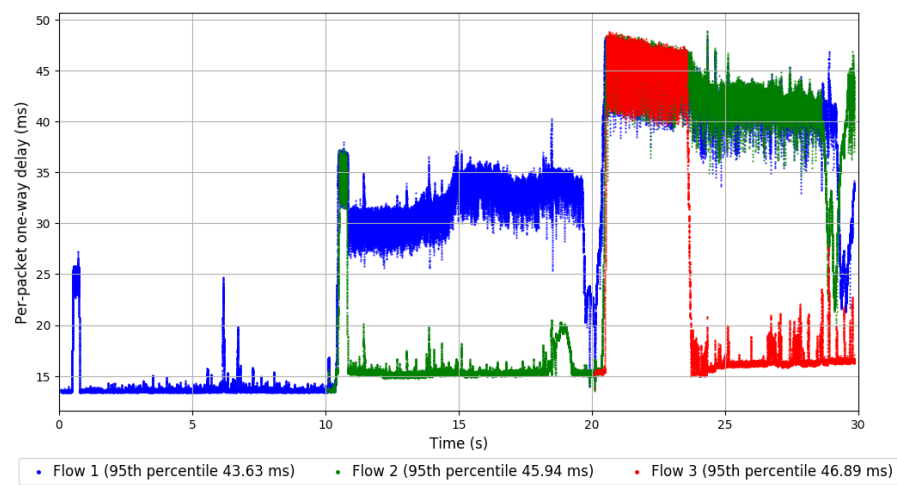
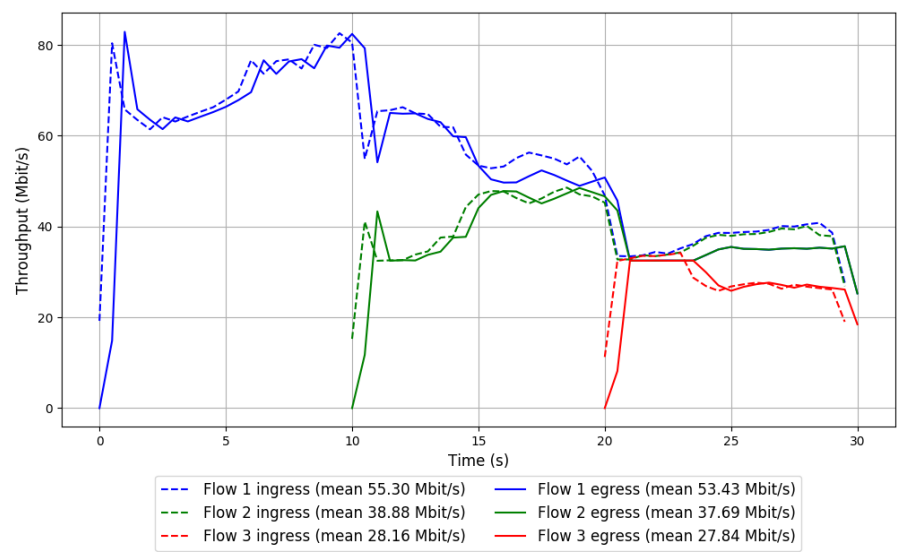


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-25 09:52:11
End at: 2018-07-25 09:52:41
Local clock offset: 0.106 ms
Remote clock offset: -5.217 ms

Below is generated by plot.py at 2018-07-25 11:17:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.64 Mbit/s
95th percentile per-packet one-way delay: 45.434 ms
Loss rate: 3.20%
-- Flow 1:
Average throughput: 53.43 Mbit/s
95th percentile per-packet one-way delay: 43.629 ms
Loss rate: 3.49%
-- Flow 2:
Average throughput: 37.69 Mbit/s
95th percentile per-packet one-way delay: 45.937 ms
Loss rate: 3.24%
-- Flow 3:
Average throughput: 27.84 Mbit/s
95th percentile per-packet one-way delay: 46.886 ms
Loss rate: 1.41%

Run 7: Report of PCC-Allegro — Data Link

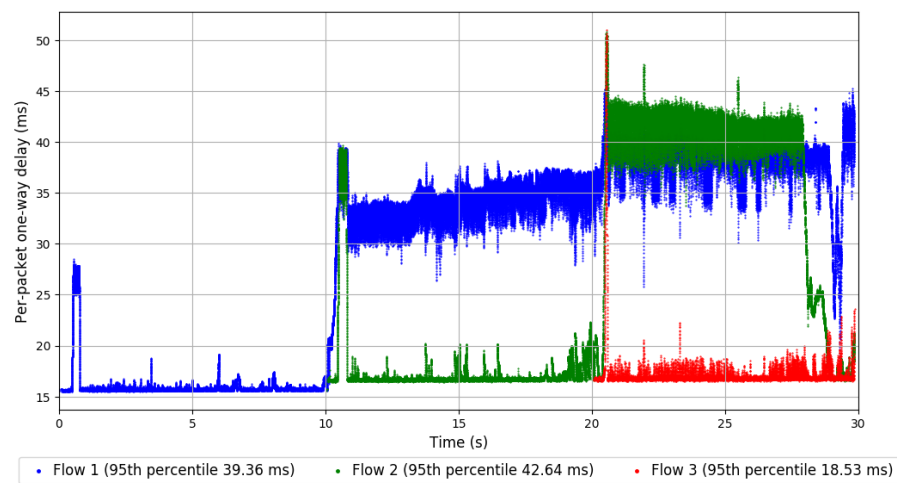
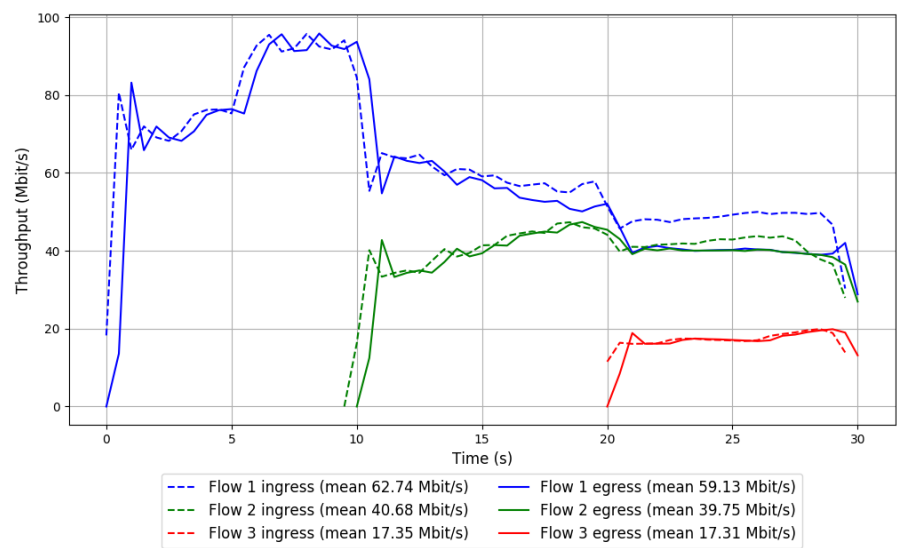


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-25 10:12:48
End at: 2018-07-25 10:13:18
Local clock offset: 3.638 ms
Remote clock offset: -3.418 ms

Below is generated by plot.py at 2018-07-25 11:17:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.24 Mbit/s
95th percentile per-packet one-way delay: 41.459 ms
Loss rate: 4.55%
-- Flow 1:
Average throughput: 59.13 Mbit/s
95th percentile per-packet one-way delay: 39.358 ms
Loss rate: 5.85%
-- Flow 2:
Average throughput: 39.75 Mbit/s
95th percentile per-packet one-way delay: 42.644 ms
Loss rate: 2.40%
-- Flow 3:
Average throughput: 17.31 Mbit/s
95th percentile per-packet one-way delay: 18.533 ms
Loss rate: 0.41%

Run 8: Report of PCC-Allegro — Data Link

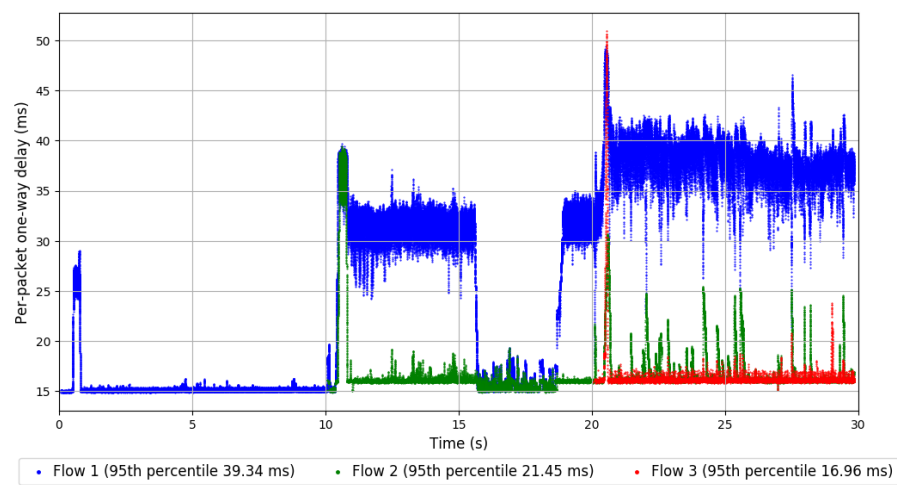
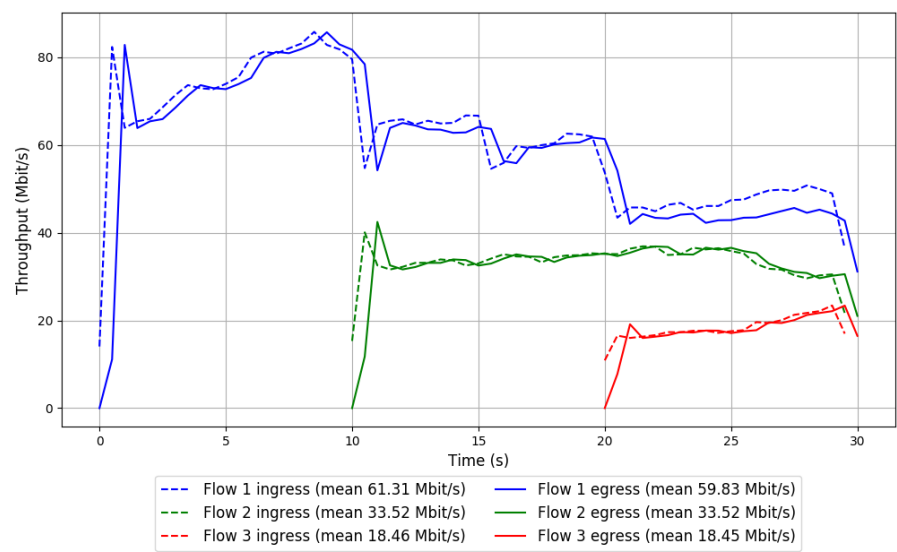


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-25 10:33:24
End at: 2018-07-25 10:33:54
Local clock offset: 2.798 ms
Remote clock offset: -1.339 ms

Below is generated by plot.py at 2018-07-25 11:18:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.18 Mbit/s
95th percentile per-packet one-way delay: 38.728 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 59.83 Mbit/s
95th percentile per-packet one-way delay: 39.336 ms
Loss rate: 2.51%
-- Flow 2:
Average throughput: 33.52 Mbit/s
95th percentile per-packet one-way delay: 21.449 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 18.45 Mbit/s
95th percentile per-packet one-way delay: 16.960 ms
Loss rate: 0.35%

Run 9: Report of PCC-Allegro — Data Link

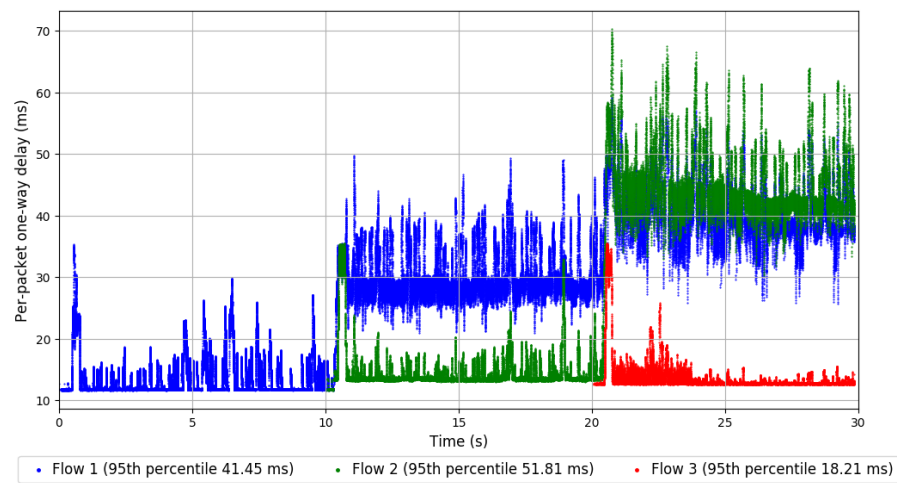
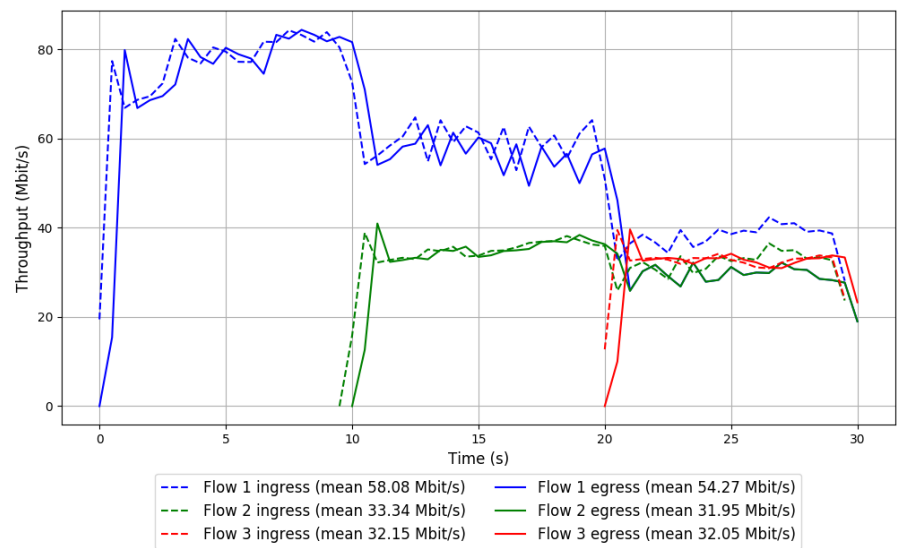


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-25 10:53:50
End at: 2018-07-25 10:54:20
Local clock offset: -0.794 ms
Remote clock offset: -2.773 ms

Below is generated by plot.py at 2018-07-25 11:18:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.05 Mbit/s
95th percentile per-packet one-way delay: 45.327 ms
Loss rate: 5.38%
-- Flow 1:
Average throughput: 54.27 Mbit/s
95th percentile per-packet one-way delay: 41.448 ms
Loss rate: 6.67%
-- Flow 2:
Average throughput: 31.95 Mbit/s
95th percentile per-packet one-way delay: 51.810 ms
Loss rate: 4.32%
-- Flow 3:
Average throughput: 32.05 Mbit/s
95th percentile per-packet one-way delay: 18.211 ms
Loss rate: 0.52%

Run 10: Report of PCC-Allegro — Data Link

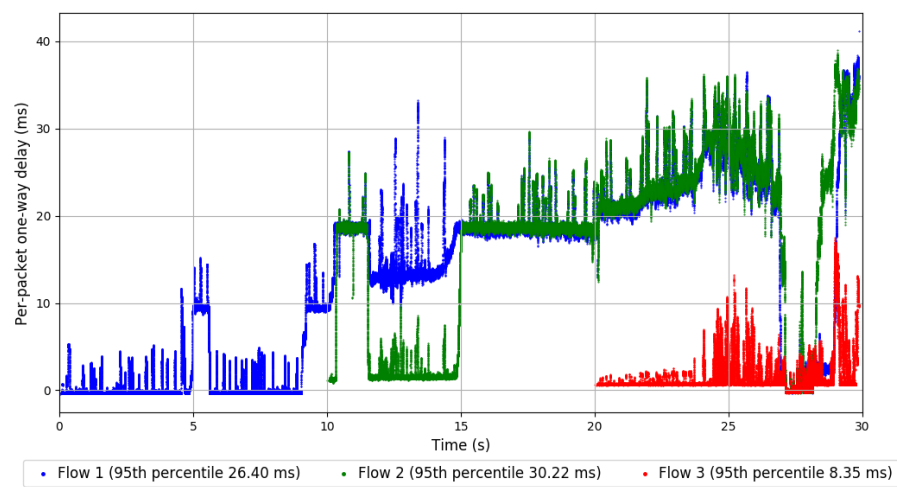
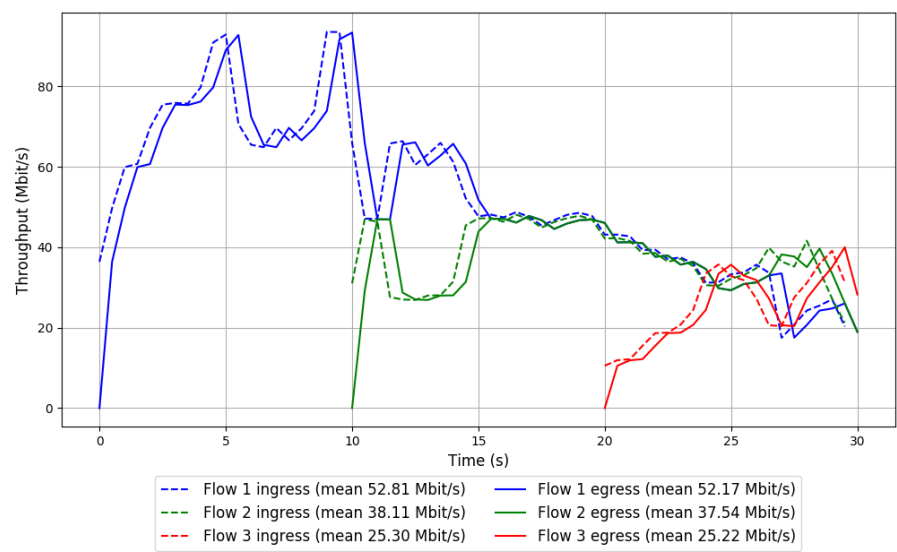


Run 1: Statistics of PCC-Expr

Start at: 2018-07-25 07:36:52
End at: 2018-07-25 07:37:22
Local clock offset: -0.781 ms
Remote clock offset: 11.841 ms

Below is generated by plot.py at 2018-07-25 11:19:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.44 Mbit/s
95th percentile per-packet one-way delay: 27.778 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 52.17 Mbit/s
95th percentile per-packet one-way delay: 26.401 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 37.54 Mbit/s
95th percentile per-packet one-way delay: 30.224 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 25.22 Mbit/s
95th percentile per-packet one-way delay: 8.352 ms
Loss rate: 0.61%

Run 1: Report of PCC-Expr — Data Link

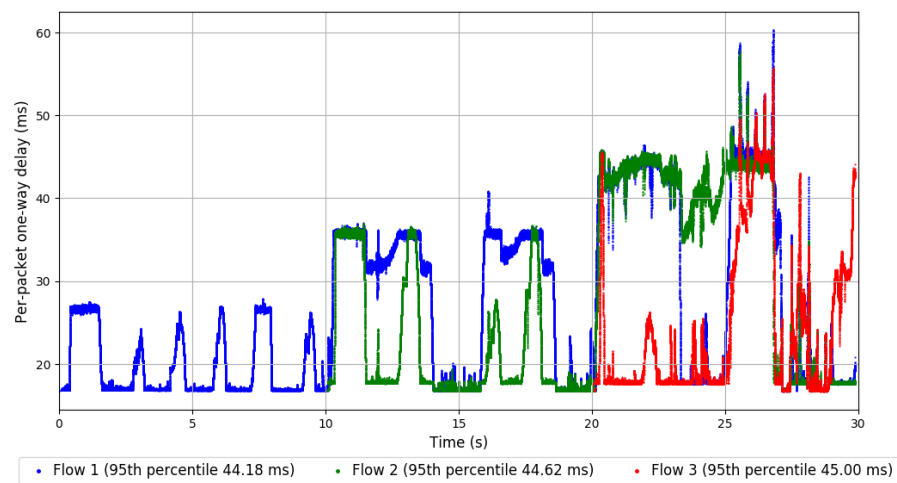
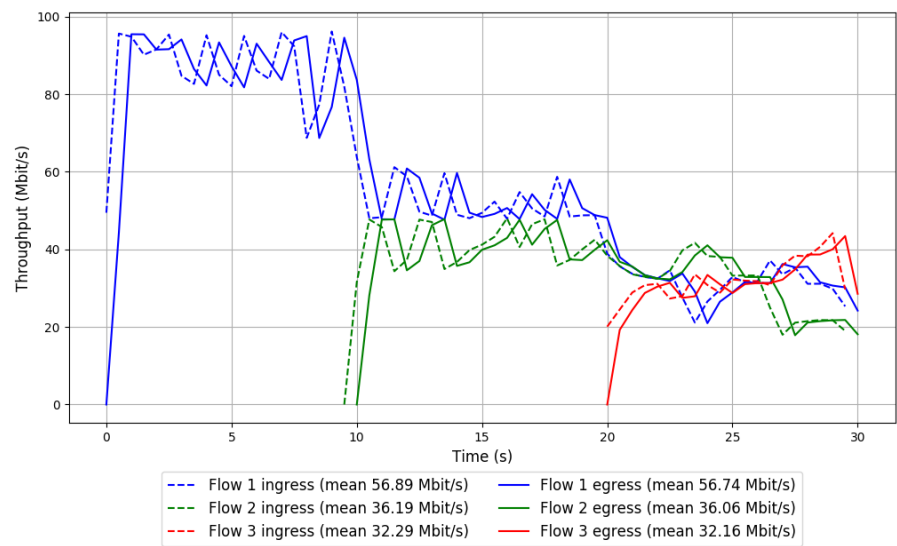


Run 2: Statistics of PCC-Expr

Start at: 2018-07-25 07:58:47
End at: 2018-07-25 07:59:17
Local clock offset: 0.896 ms
Remote clock offset: -6.398 ms

Below is generated by plot.py at 2018-07-25 11:19:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.32 Mbit/s
95th percentile per-packet one-way delay: 44.507 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 56.74 Mbit/s
95th percentile per-packet one-way delay: 44.177 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 36.06 Mbit/s
95th percentile per-packet one-way delay: 44.620 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 32.16 Mbit/s
95th percentile per-packet one-way delay: 45.001 ms
Loss rate: 0.77%

Run 2: Report of PCC-Expr — Data Link

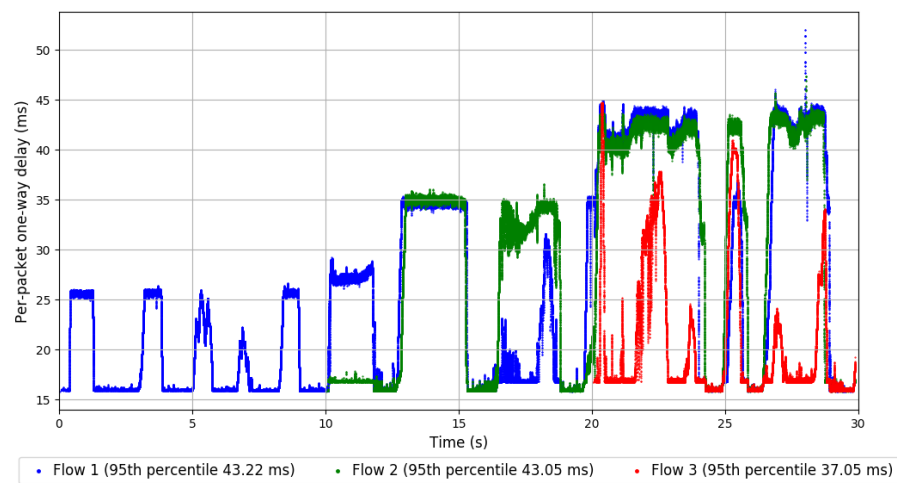
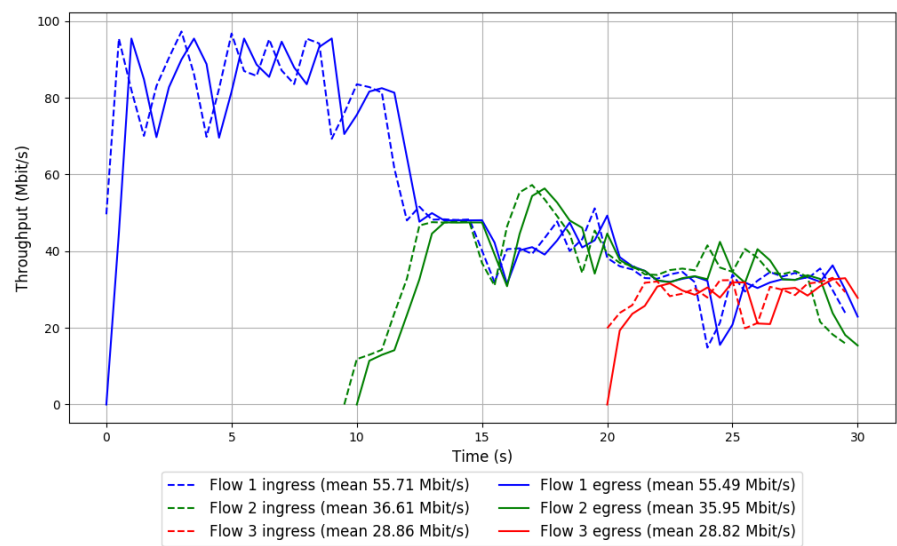


Run 3: Statistics of PCC-Expr

Start at: 2018-07-25 08:19:37
End at: 2018-07-25 08:20:07
Local clock offset: 0.062 ms
Remote clock offset: -11.938 ms

Below is generated by plot.py at 2018-07-25 11:19:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.90 Mbit/s
95th percentile per-packet one-way delay: 43.039 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 55.49 Mbit/s
95th percentile per-packet one-way delay: 43.224 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 35.95 Mbit/s
95th percentile per-packet one-way delay: 43.046 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 28.82 Mbit/s
95th percentile per-packet one-way delay: 37.046 ms
Loss rate: 0.51%

Run 3: Report of PCC-Expr — Data Link

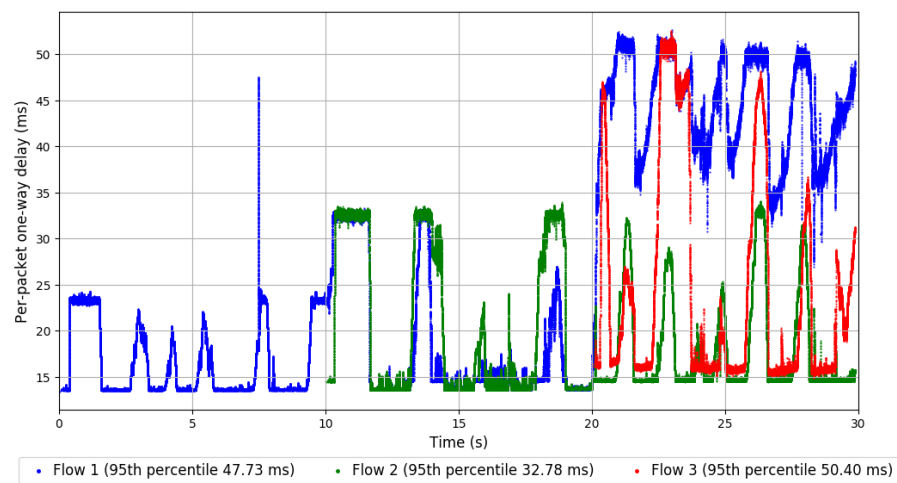
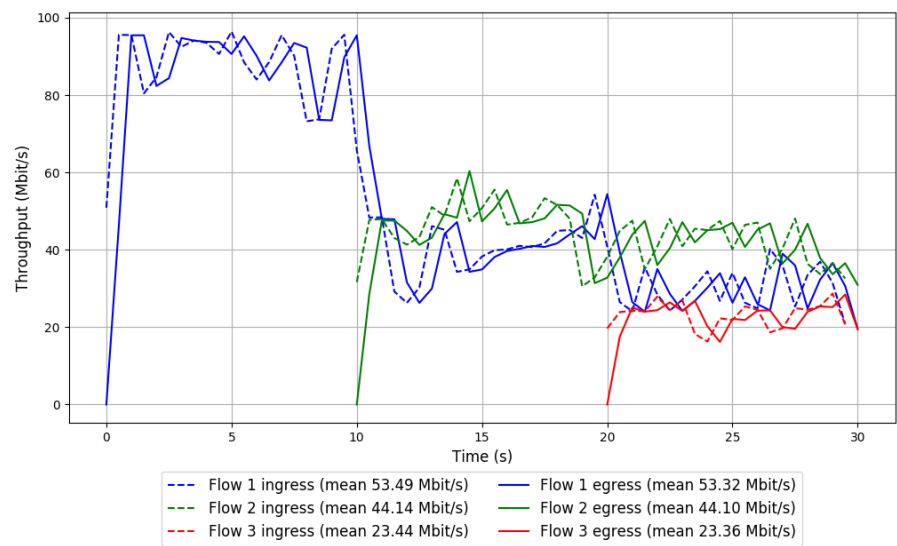


Run 4: Statistics of PCC-Expr

Start at: 2018-07-25 08:40:35
End at: 2018-07-25 08:41:05
Local clock offset: -1.339 ms
Remote clock offset: -4.967 ms

Below is generated by plot.py at 2018-07-25 11:19:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.34 Mbit/s
95th percentile per-packet one-way delay: 46.005 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 53.32 Mbit/s
95th percentile per-packet one-way delay: 47.729 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 44.10 Mbit/s
95th percentile per-packet one-way delay: 32.776 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 23.36 Mbit/s
95th percentile per-packet one-way delay: 50.398 ms
Loss rate: 0.61%

Run 4: Report of PCC-Expr — Data Link

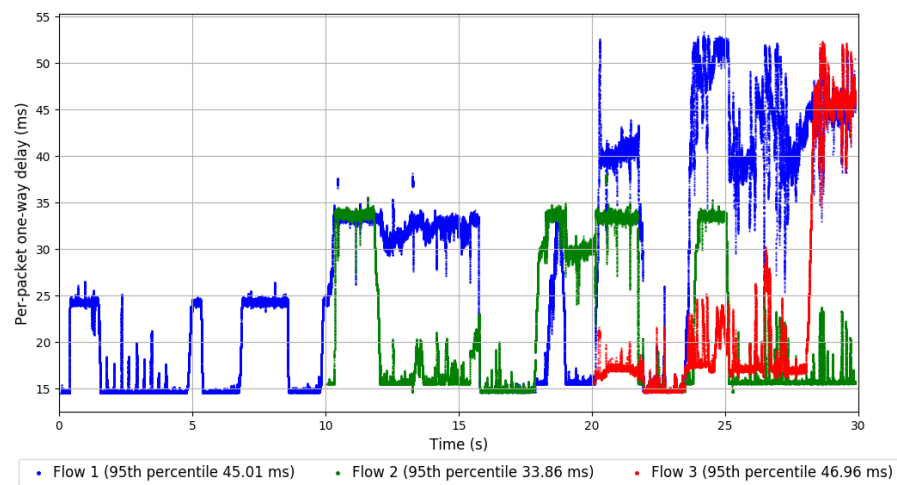
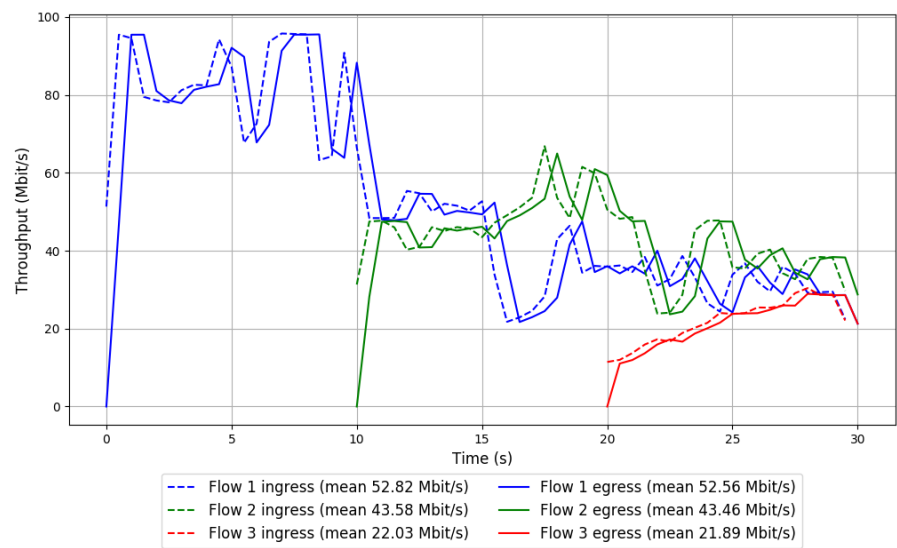


Run 5: Statistics of PCC-Expr

Start at: 2018-07-25 09:01:30
End at: 2018-07-25 09:02:00
Local clock offset: -1.152 ms
Remote clock offset: -2.975 ms

Below is generated by plot.py at 2018-07-25 11:19:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.66 Mbit/s
95th percentile per-packet one-way delay: 44.232 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 52.56 Mbit/s
95th percentile per-packet one-way delay: 45.005 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 43.46 Mbit/s
95th percentile per-packet one-way delay: 33.861 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 21.89 Mbit/s
95th percentile per-packet one-way delay: 46.962 ms
Loss rate: 0.85%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-25 09:22:52

End at: 2018-07-25 09:23:22

Local clock offset: -1.301 ms

Remote clock offset: 2.963 ms

Below is generated by plot.py at 2018-07-25 11:19:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.92 Mbit/s

95th percentile per-packet one-way delay: 41.876 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 57.51 Mbit/s

95th percentile per-packet one-way delay: 40.879 ms

Loss rate: 0.86%

-- Flow 2:

Average throughput: 32.88 Mbit/s

95th percentile per-packet one-way delay: 46.072 ms

Loss rate: 0.46%

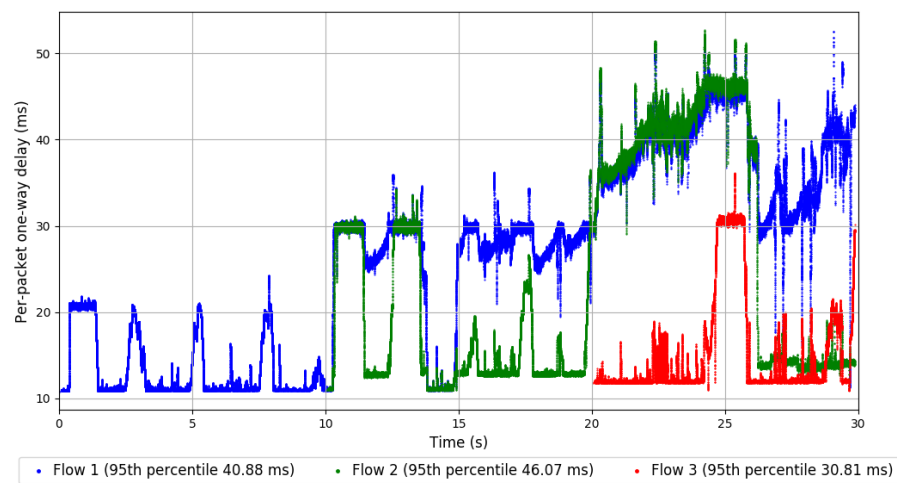
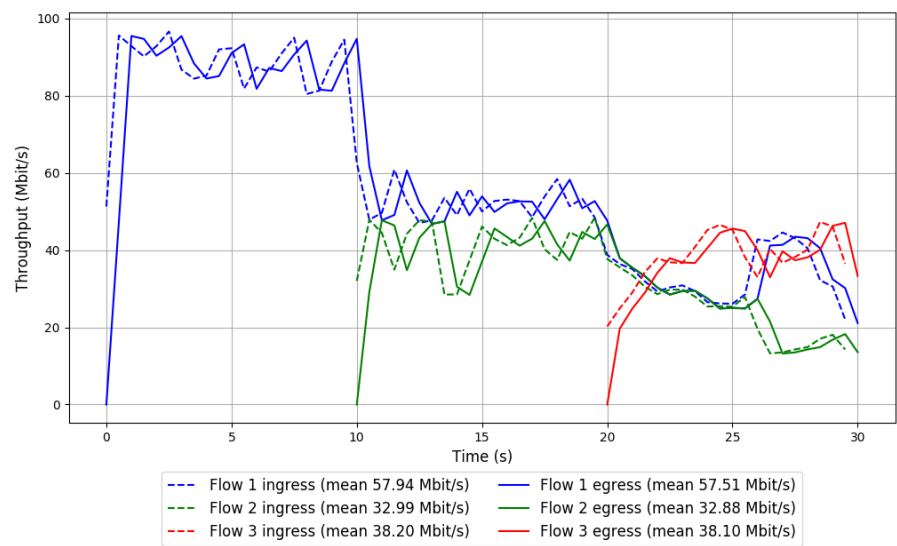
-- Flow 3:

Average throughput: 38.10 Mbit/s

95th percentile per-packet one-way delay: 30.811 ms

Loss rate: 0.63%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-25 09:43:42

End at: 2018-07-25 09:44:12

Local clock offset: -0.765 ms

Remote clock offset: -1.75 ms

Below is generated by plot.py at 2018-07-25 11:20:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.14 Mbit/s

95th percentile per-packet one-way delay: 38.490 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 54.17 Mbit/s

95th percentile per-packet one-way delay: 37.373 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 37.16 Mbit/s

95th percentile per-packet one-way delay: 38.814 ms

Loss rate: 0.92%

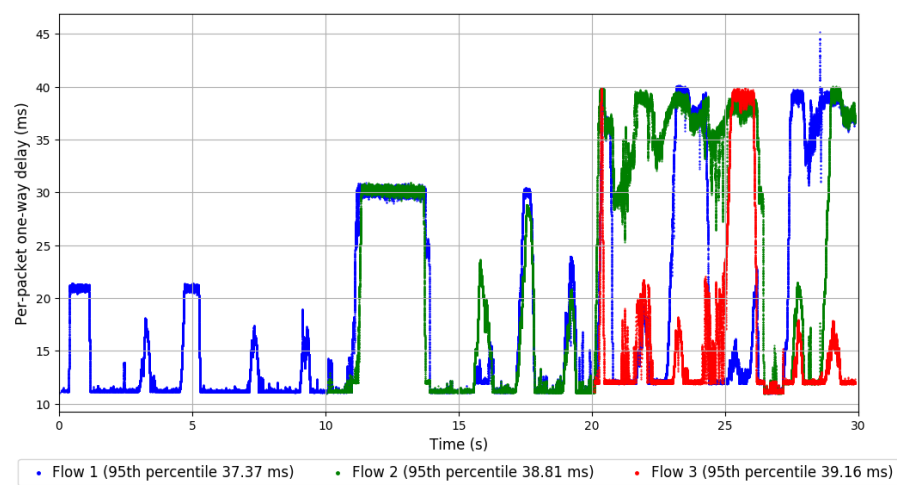
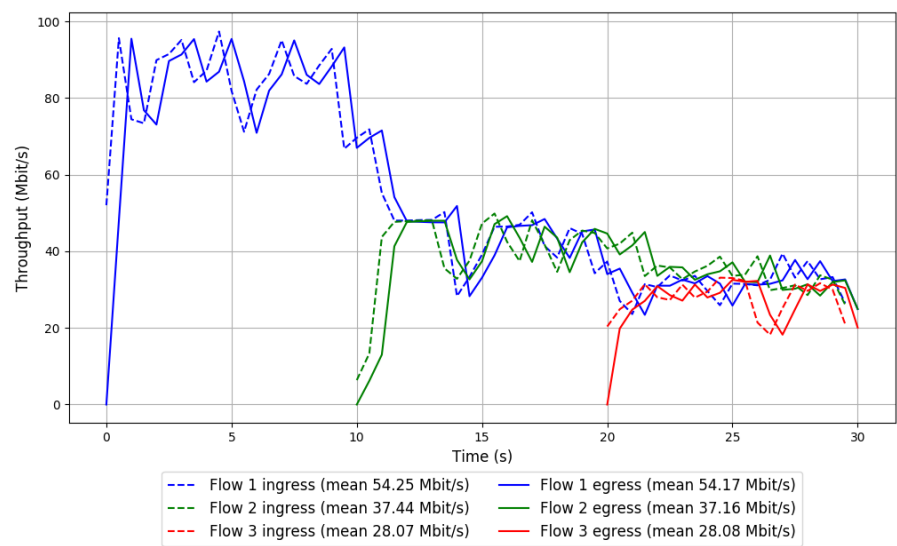
-- Flow 3:

Average throughput: 28.08 Mbit/s

95th percentile per-packet one-way delay: 39.156 ms

Loss rate: 0.31%

Run 7: Report of PCC-Expr — Data Link

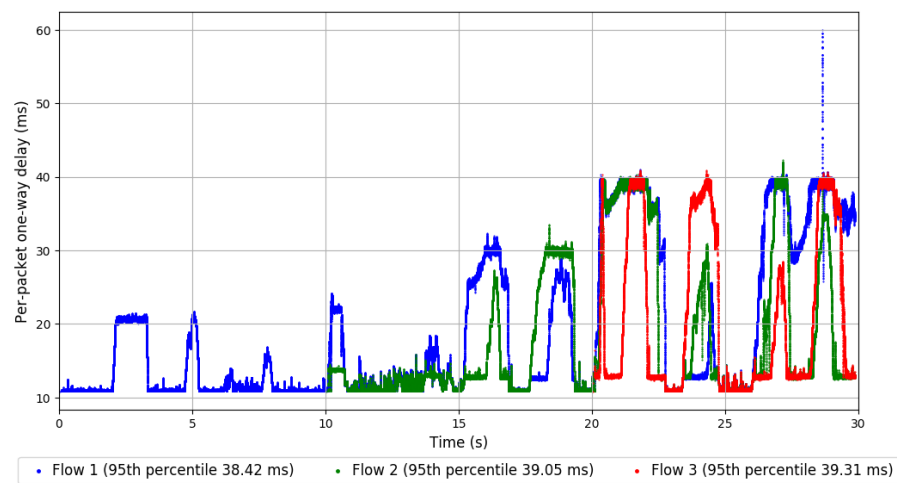
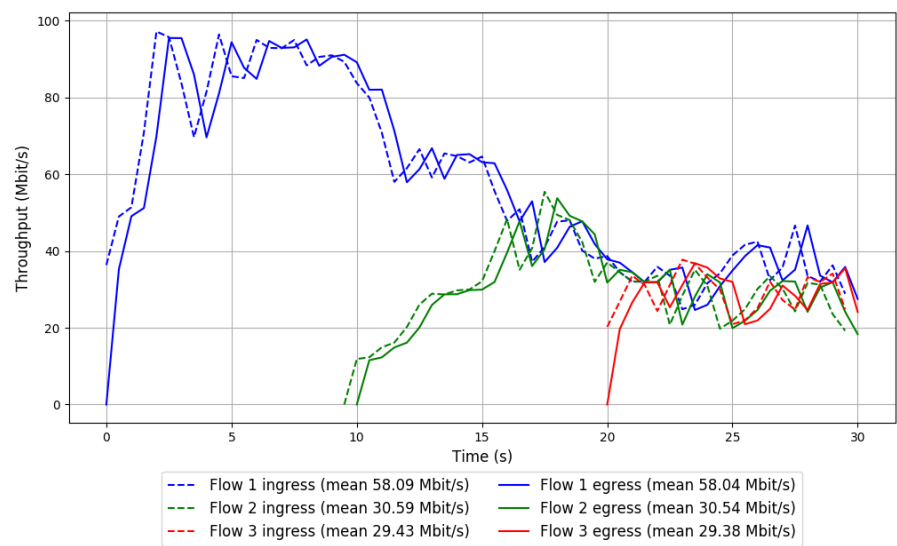


Run 8: Statistics of PCC-Expr

Start at: 2018-07-25 10:04:11
End at: 2018-07-25 10:04:41
Local clock offset: -0.654 ms
Remote clock offset: -4.401 ms

Below is generated by plot.py at 2018-07-25 11:20:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.03 Mbit/s
95th percentile per-packet one-way delay: 38.965 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 58.04 Mbit/s
95th percentile per-packet one-way delay: 38.419 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 30.54 Mbit/s
95th percentile per-packet one-way delay: 39.045 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 29.38 Mbit/s
95th percentile per-packet one-way delay: 39.315 ms
Loss rate: 0.43%

Run 8: Report of PCC-Expr — Data Link

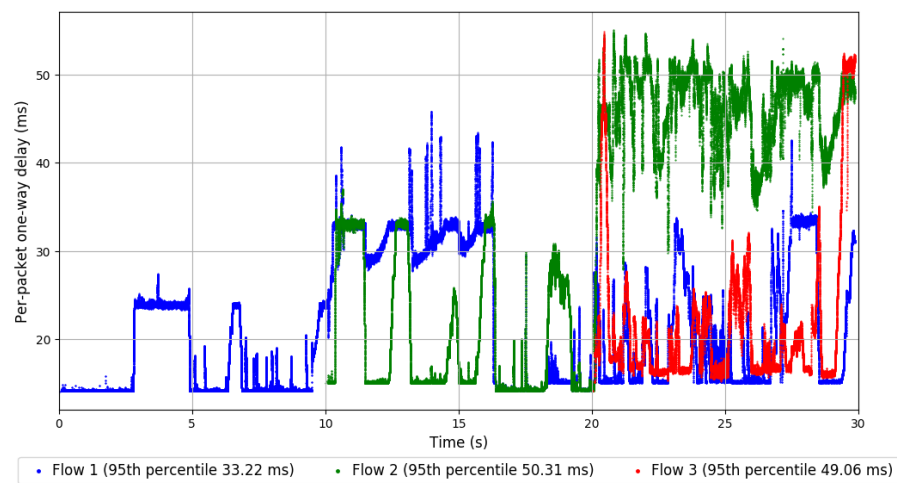
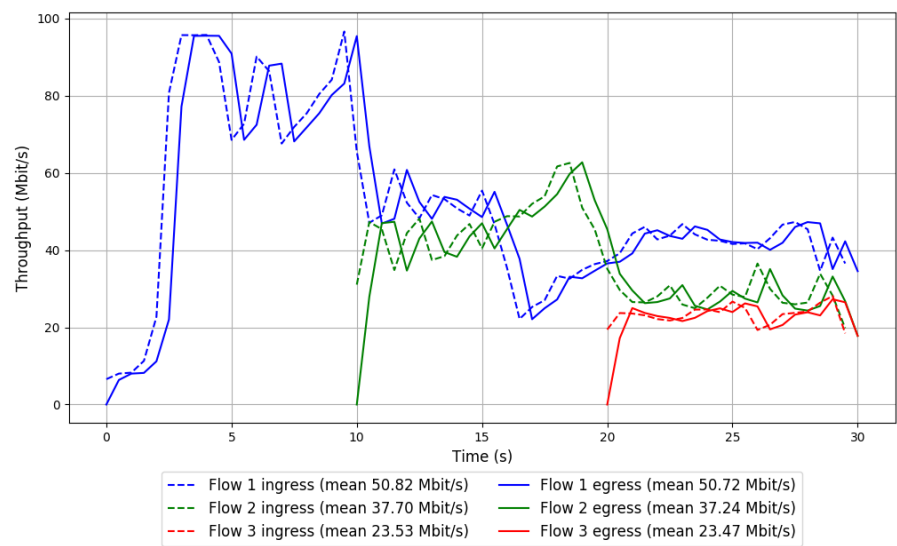


Run 9: Statistics of PCC-Expr

Start at: 2018-07-25 10:24:40
End at: 2018-07-25 10:25:10
Local clock offset: 2.527 ms
Remote clock offset: -1.378 ms

Below is generated by plot.py at 2018-07-25 11:21:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.22 Mbit/s
95th percentile per-packet one-way delay: 47.487 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 50.72 Mbit/s
95th percentile per-packet one-way delay: 33.216 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 37.24 Mbit/s
95th percentile per-packet one-way delay: 50.306 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 23.47 Mbit/s
95th percentile per-packet one-way delay: 49.059 ms
Loss rate: 0.70%

Run 9: Report of PCC-Expr — Data Link

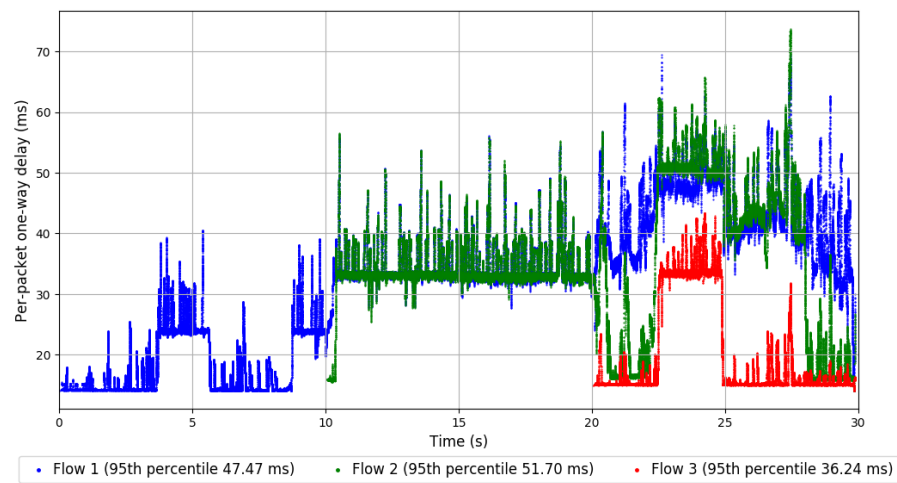
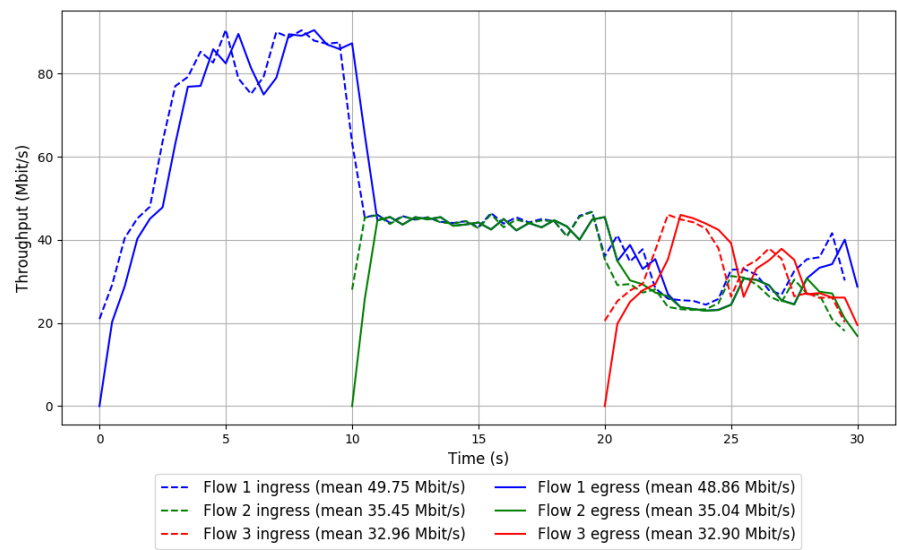


Run 10: Statistics of PCC-Expr

Start at: 2018-07-25 10:45:17
End at: 2018-07-25 10:45:47
Local clock offset: 2.63 ms
Remote clock offset: -1.367 ms

Below is generated by plot.py at 2018-07-25 11:21:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.01 Mbit/s
95th percentile per-packet one-way delay: 48.668 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 48.86 Mbit/s
95th percentile per-packet one-way delay: 47.469 ms
Loss rate: 1.88%
-- Flow 2:
Average throughput: 35.04 Mbit/s
95th percentile per-packet one-way delay: 51.699 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 32.90 Mbit/s
95th percentile per-packet one-way delay: 36.244 ms
Loss rate: 0.44%

Run 10: Report of PCC-Expr — Data Link

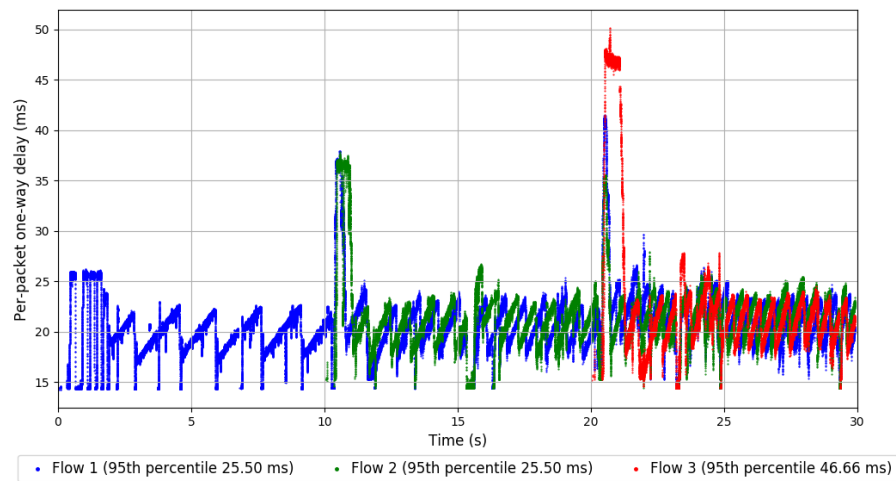
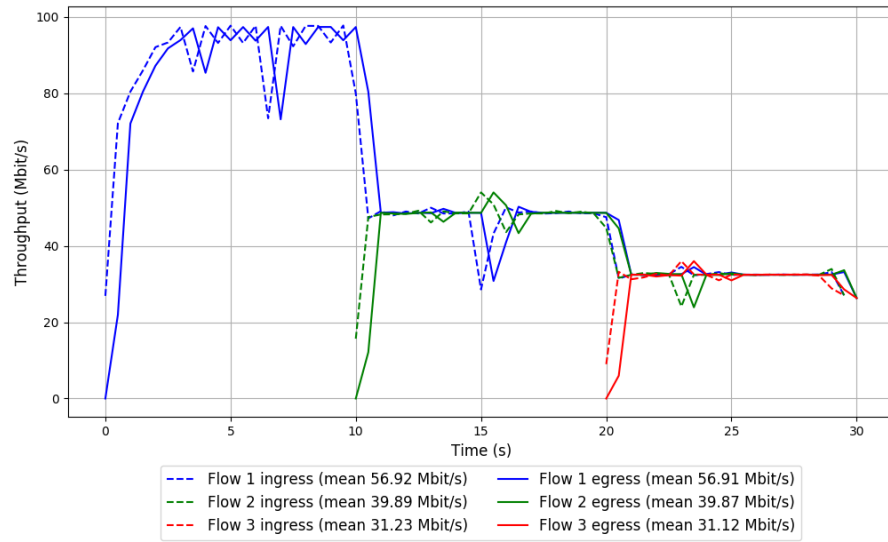


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-25 07:48:43
End at: 2018-07-25 07:49:13
Local clock offset: -1.267 ms
Remote clock offset: -2.398 ms

Below is generated by plot.py at 2018-07-25 11:21:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 25.611 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 56.91 Mbit/s
95th percentile per-packet one-way delay: 25.503 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 39.87 Mbit/s
95th percentile per-packet one-way delay: 25.503 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 46.656 ms
Loss rate: 0.60%

Run 1: Report of QUIC Cubic — Data Link

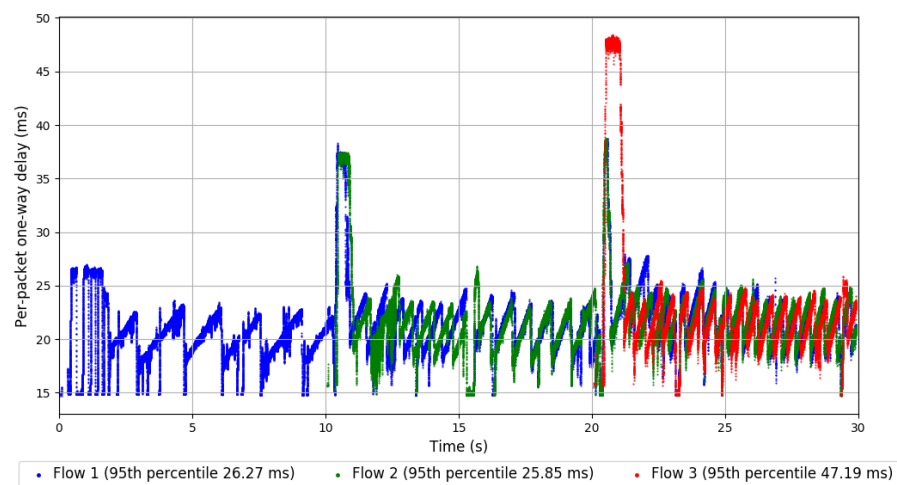
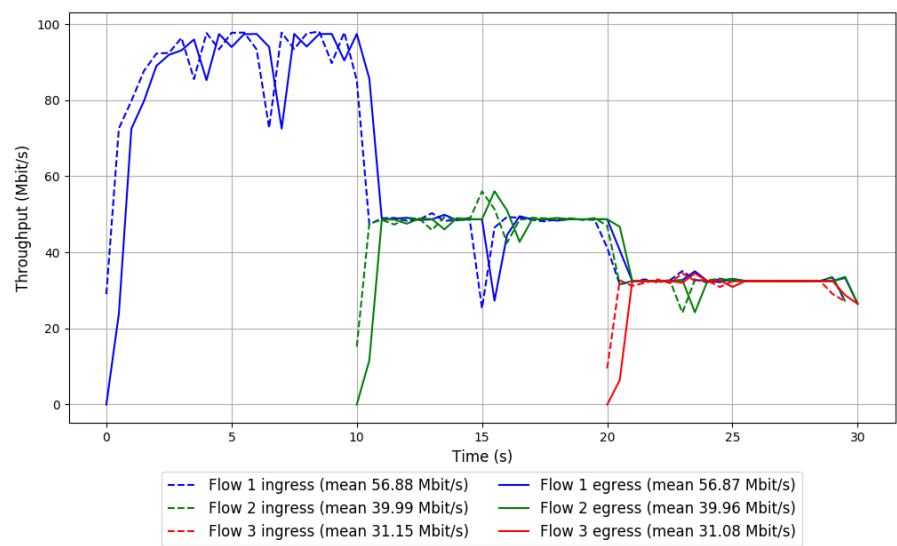


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-25 08:09:49
End at: 2018-07-25 08:10:19
Local clock offset: -1.193 ms
Remote clock offset: -10.317 ms

Below is generated by plot.py at 2018-07-25 11:21:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.70 Mbit/s
95th percentile per-packet one-way delay: 26.307 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 56.87 Mbit/s
95th percentile per-packet one-way delay: 26.274 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.96 Mbit/s
95th percentile per-packet one-way delay: 25.852 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 47.192 ms
Loss rate: 0.48%

Run 2: Report of QUIC Cubic — Data Link

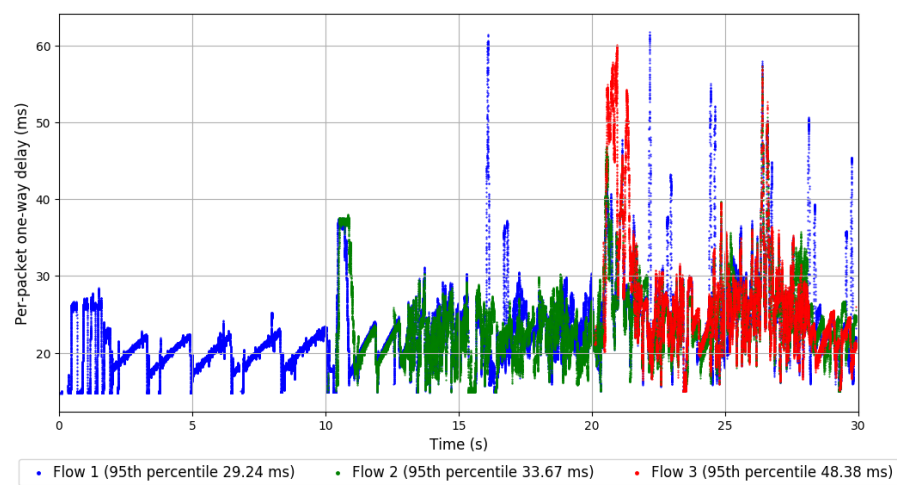
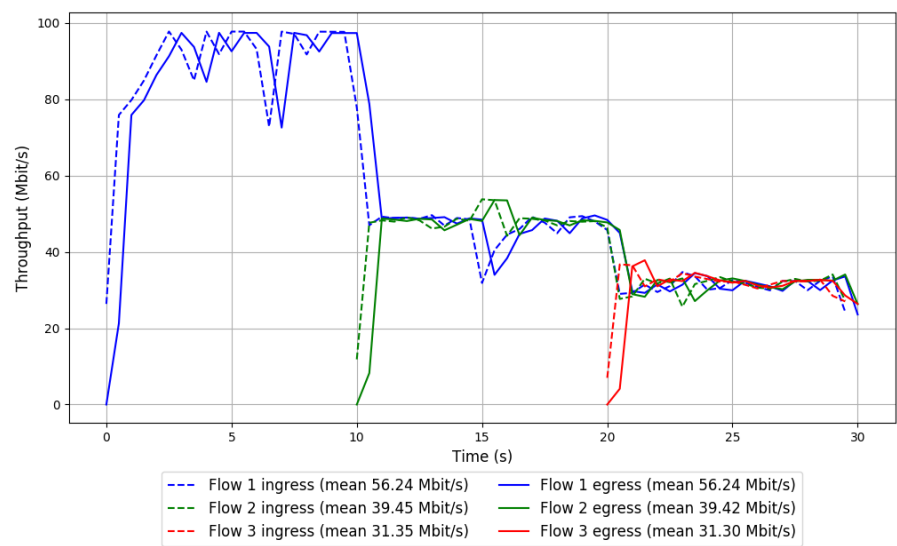


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-25 08:30:25
End at: 2018-07-25 08:30:55
Local clock offset: 0.686 ms
Remote clock offset: -8.367 ms

Below is generated by plot.py at 2018-07-25 11:21:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.75 Mbit/s
95th percentile per-packet one-way delay: 33.056 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 56.24 Mbit/s
95th percentile per-packet one-way delay: 29.243 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.42 Mbit/s
95th percentile per-packet one-way delay: 33.667 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.30 Mbit/s
95th percentile per-packet one-way delay: 48.376 ms
Loss rate: 0.46%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-25 08:51:41

End at: 2018-07-25 08:52:11

Local clock offset: -0.732 ms

Remote clock offset: -4.1 ms

Below is generated by plot.py at 2018-07-25 11:21:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.97 Mbit/s

95th percentile per-packet one-way delay: 26.137 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 54.60 Mbit/s

95th percentile per-packet one-way delay: 26.177 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 47.51 Mbit/s

95th percentile per-packet one-way delay: 24.332 ms

Loss rate: 0.21%

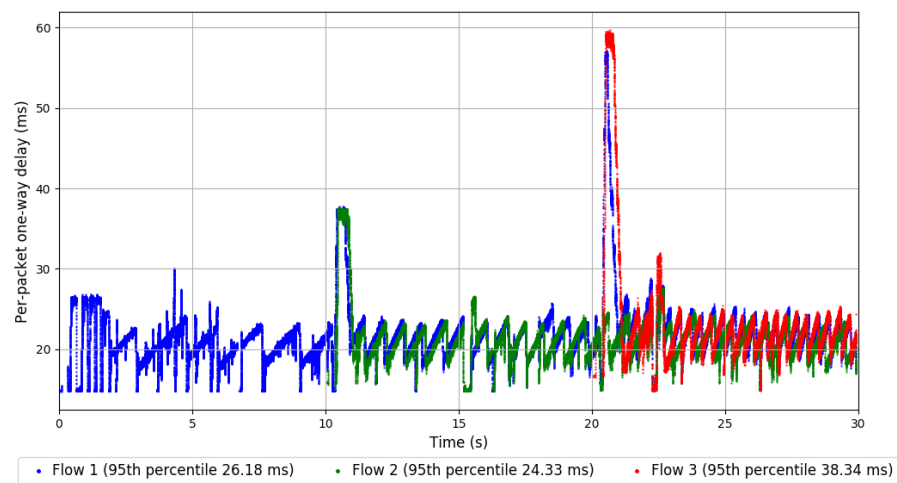
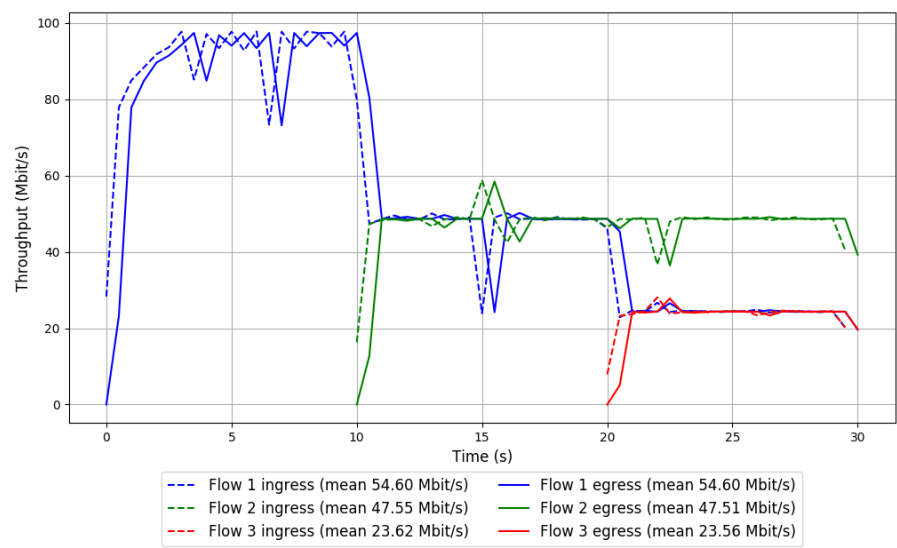
-- Flow 3:

Average throughput: 23.56 Mbit/s

95th percentile per-packet one-way delay: 38.337 ms

Loss rate: 0.52%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-25 09:12:24

End at: 2018-07-25 09:12:54

Local clock offset: -1.556 ms

Remote clock offset: 1.139 ms

Below is generated by plot.py at 2018-07-25 11:21:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.15 Mbit/s

95th percentile per-packet one-way delay: 23.015 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 54.15 Mbit/s

95th percentile per-packet one-way delay: 22.986 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 35.61 Mbit/s

95th percentile per-packet one-way delay: 23.510 ms

Loss rate: 0.29%

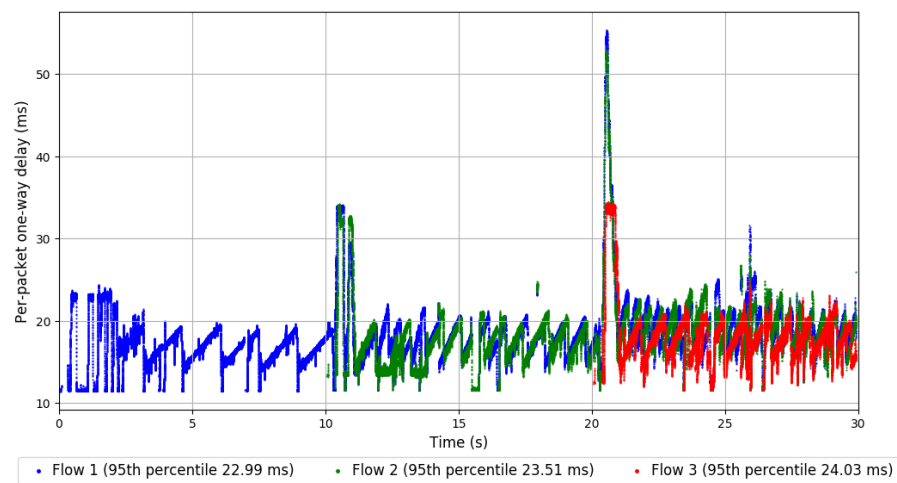
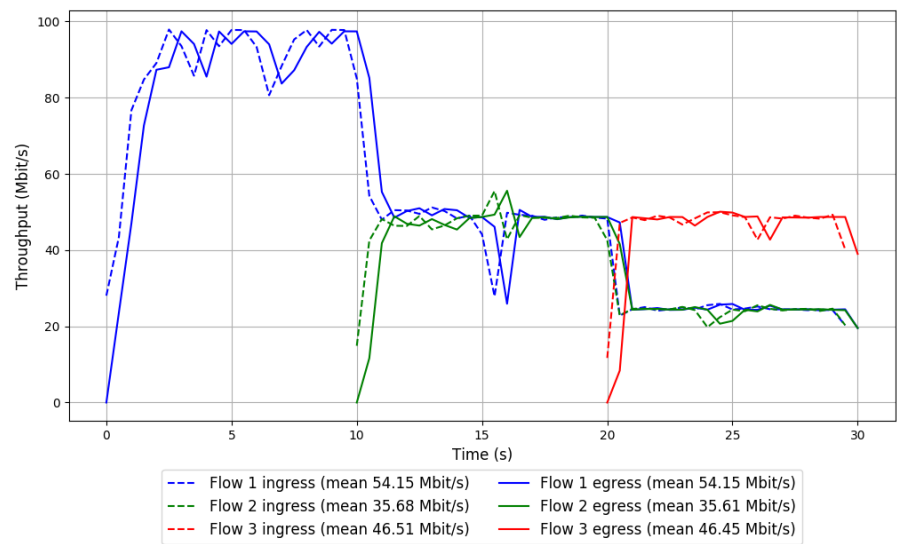
-- Flow 3:

Average throughput: 46.45 Mbit/s

95th percentile per-packet one-way delay: 24.033 ms

Loss rate: 0.38%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-25 09:33:57

End at: 2018-07-25 09:34:27

Local clock offset: 0.325 ms

Remote clock offset: 5.821 ms

Below is generated by plot.py at 2018-07-25 11:21:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.74 Mbit/s

95th percentile per-packet one-way delay: 21.734 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 57.00 Mbit/s

95th percentile per-packet one-way delay: 21.738 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 39.80 Mbit/s

95th percentile per-packet one-way delay: 21.453 ms

Loss rate: 0.20%

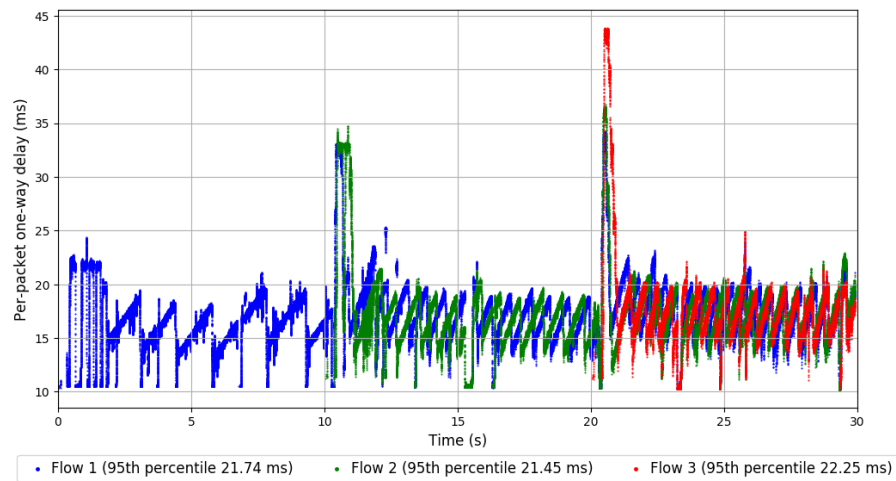
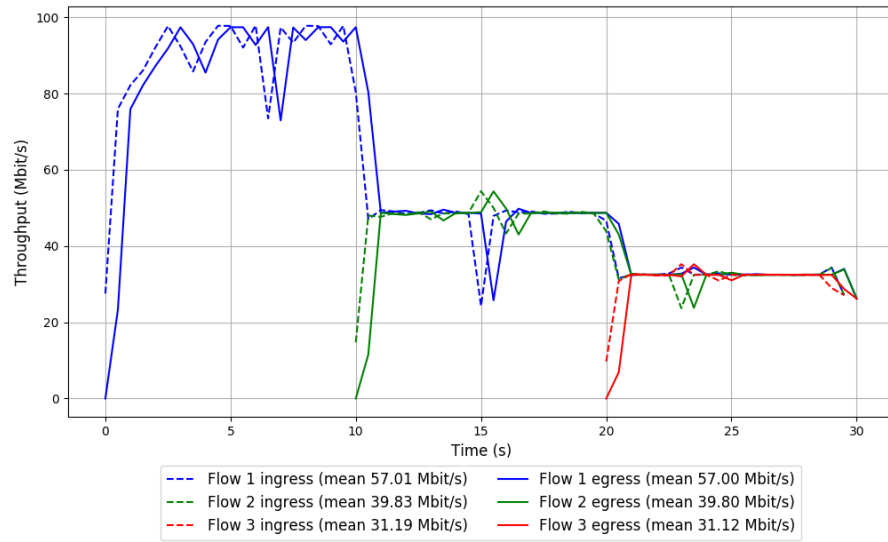
-- Flow 3:

Average throughput: 31.12 Mbit/s

95th percentile per-packet one-way delay: 22.253 ms

Loss rate: 0.45%

Run 6: Report of QUIC Cubic — Data Link

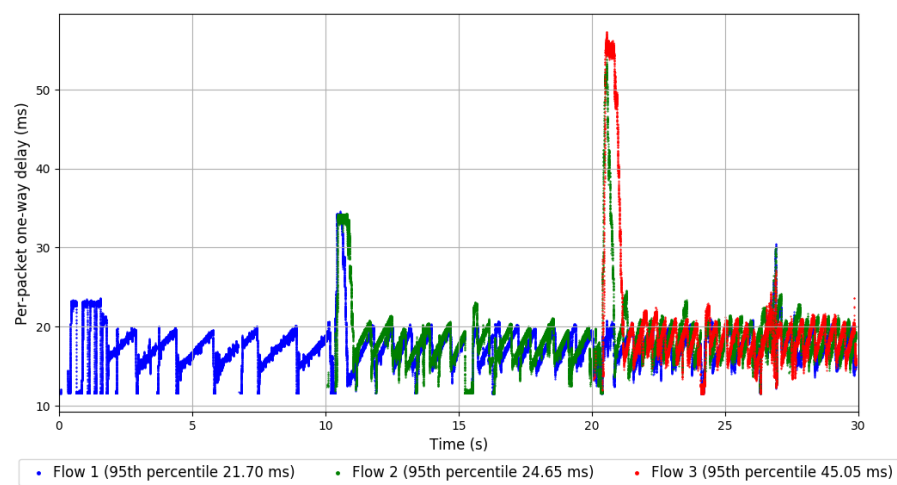
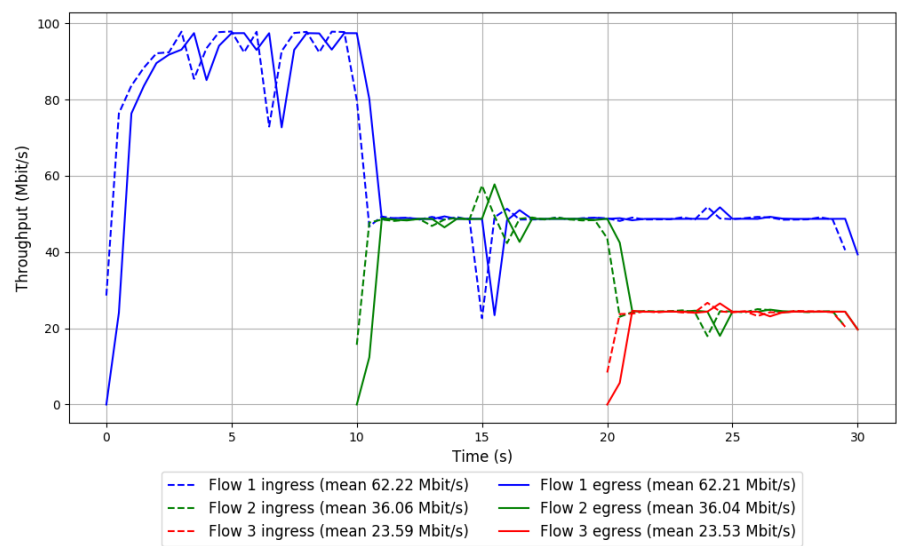


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-25 09:54:24
End at: 2018-07-25 09:54:54
Local clock offset: 0.143 ms
Remote clock offset: -3.601 ms

Below is generated by plot.py at 2018-07-25 11:21:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.94 Mbit/s
95th percentile per-packet one-way delay: 22.787 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 62.21 Mbit/s
95th percentile per-packet one-way delay: 21.696 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.04 Mbit/s
95th percentile per-packet one-way delay: 24.649 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 23.53 Mbit/s
95th percentile per-packet one-way delay: 45.049 ms
Loss rate: 0.50%

Run 7: Report of QUIC Cubic — Data Link

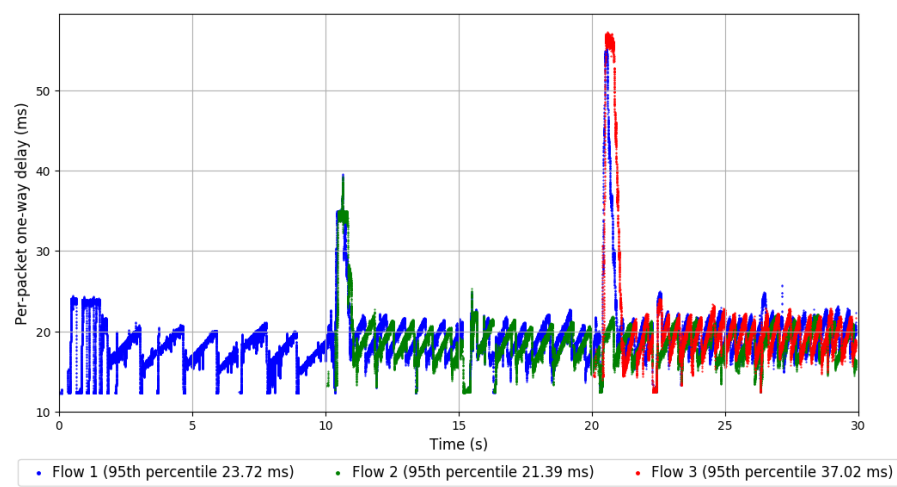
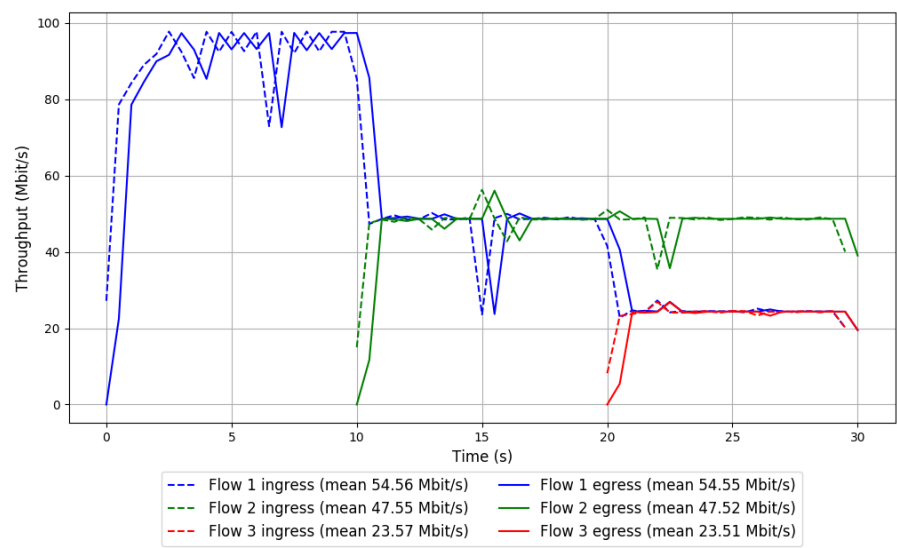


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-25 10:15:02
End at: 2018-07-25 10:15:32
Local clock offset: 0.521 ms
Remote clock offset: -2.732 ms

Below is generated by plot.py at 2018-07-25 11:21:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.89 Mbit/s
95th percentile per-packet one-way delay: 23.534 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 54.55 Mbit/s
95th percentile per-packet one-way delay: 23.721 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 47.52 Mbit/s
95th percentile per-packet one-way delay: 21.386 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 23.51 Mbit/s
95th percentile per-packet one-way delay: 37.025 ms
Loss rate: 0.50%

Run 8: Report of QUIC Cubic — Data Link

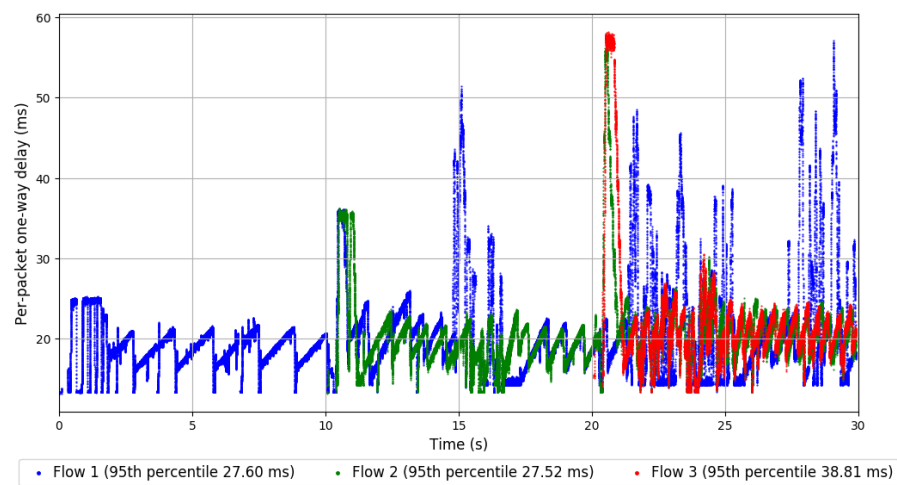
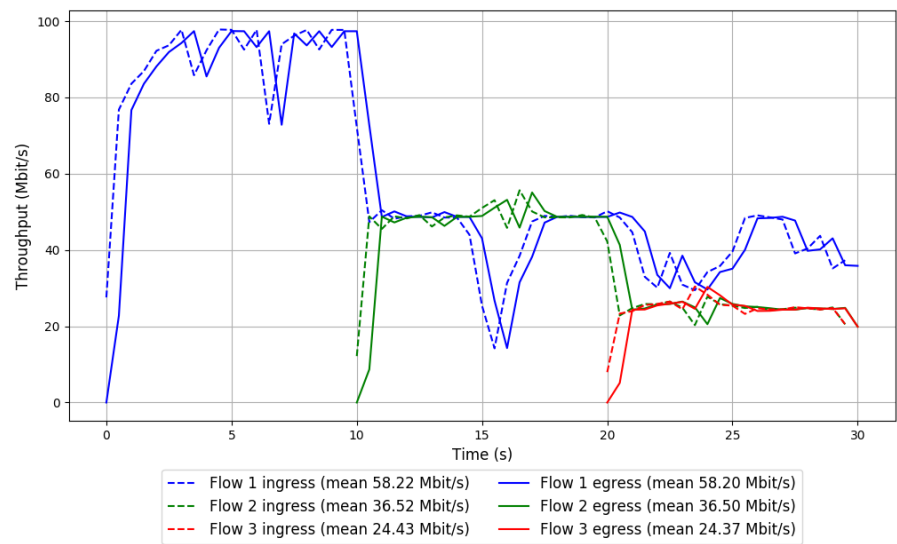


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-25 10:35:40
End at: 2018-07-25 10:36:10
Local clock offset: 1.59 ms
Remote clock offset: -0.607 ms

Below is generated by plot.py at 2018-07-25 11:21:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.52 Mbit/s
95th percentile per-packet one-way delay: 28.025 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.20 Mbit/s
95th percentile per-packet one-way delay: 27.598 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 36.50 Mbit/s
95th percentile per-packet one-way delay: 27.516 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 38.808 ms
Loss rate: 0.50%

Run 9: Report of QUIC Cubic — Data Link

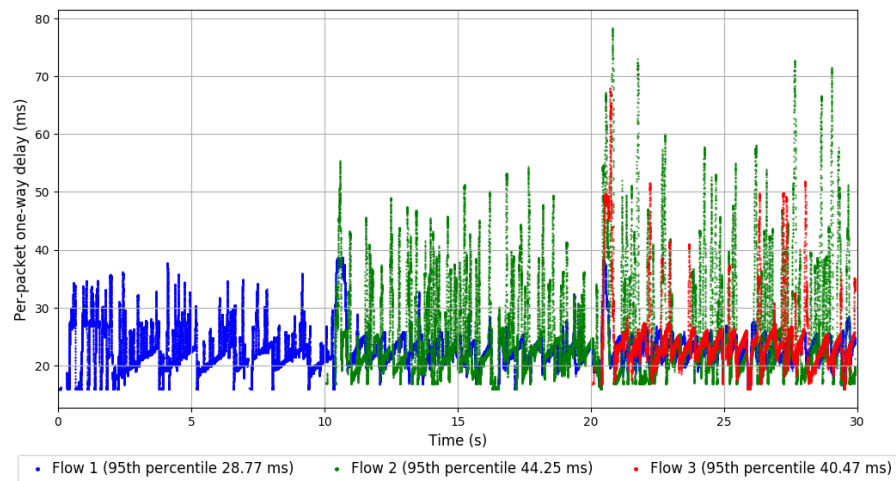
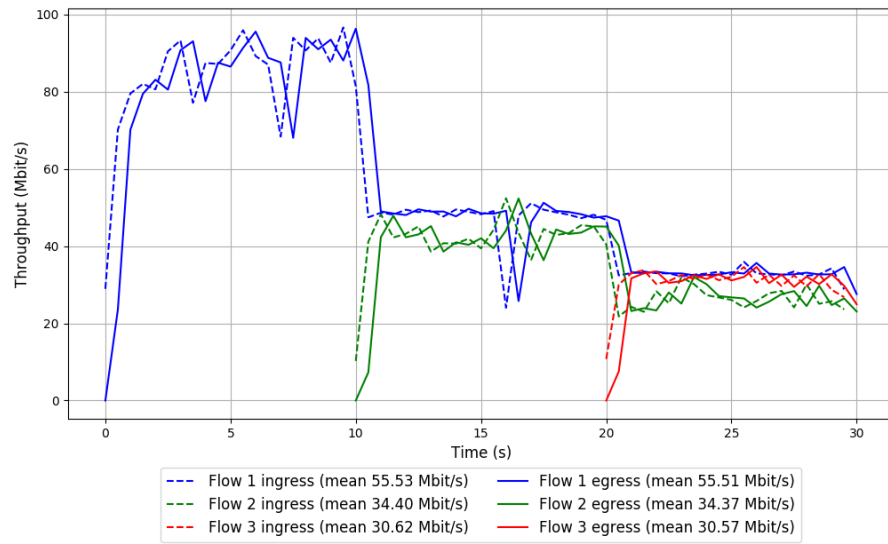


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-25 10:56:05
End at: 2018-07-25 10:56:35
Local clock offset: 2.881 ms
Remote clock offset: -3.286 ms

Below is generated by plot.py at 2018-07-25 11:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.46 Mbit/s
95th percentile per-packet one-way delay: 35.711 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 55.51 Mbit/s
95th percentile per-packet one-way delay: 28.768 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 34.37 Mbit/s
95th percentile per-packet one-way delay: 44.252 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 30.57 Mbit/s
95th percentile per-packet one-way delay: 40.470 ms
Loss rate: 0.44%

Run 10: Report of QUIC Cubic — Data Link

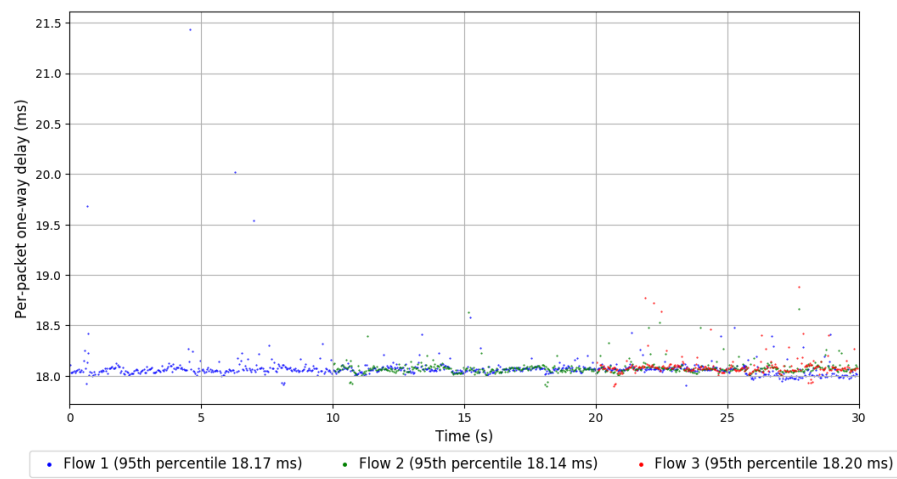
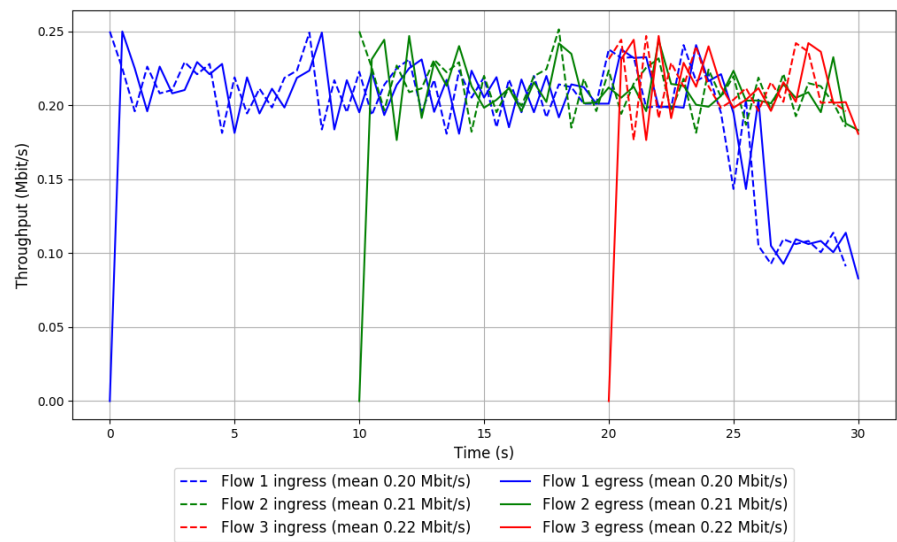


```
Run 1: Statistics of SReAM

Start at: 2018-07-25 07:47:37
End at: 2018-07-25 07:48:07
Local clock offset: 0.633 ms
Remote clock offset: -4.213 ms

# Below is generated by plot.py at 2018-07-25 11:22:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 18.167 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 18.166 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.140 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.197 ms
Loss rate: 0.36%
```

Run 1: Report of SReAM — Data Link

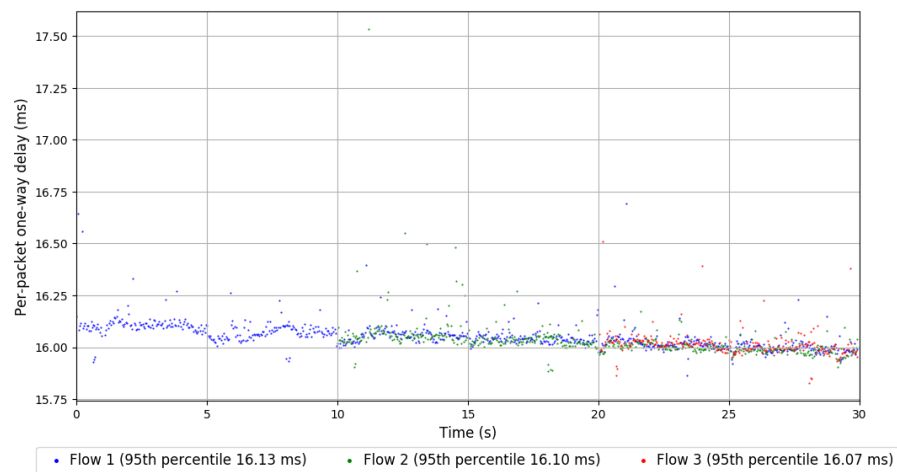
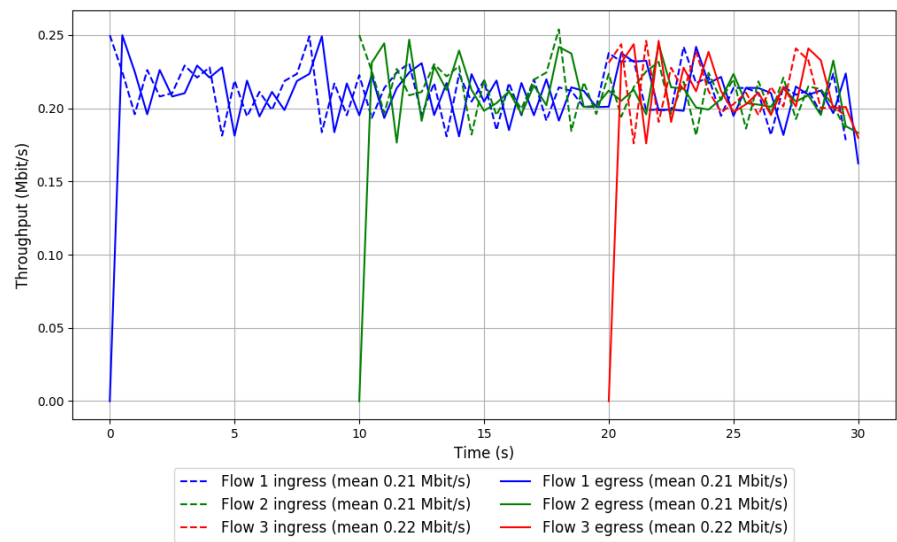


Run 2: Statistics of SCReAM

Start at: 2018-07-25 08:08:44
End at: 2018-07-25 08:09:14
Local clock offset: 1.198 ms
Remote clock offset: -8.852 ms

Below is generated by plot.py at 2018-07-25 11:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 16.124 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.131 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.102 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 16.073 ms
Loss rate: 0.36%

Run 2: Report of SReAM — Data Link

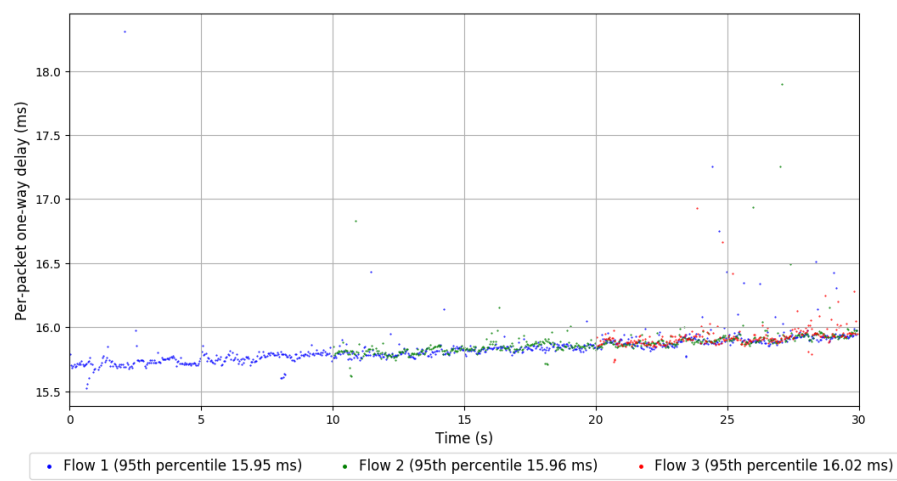
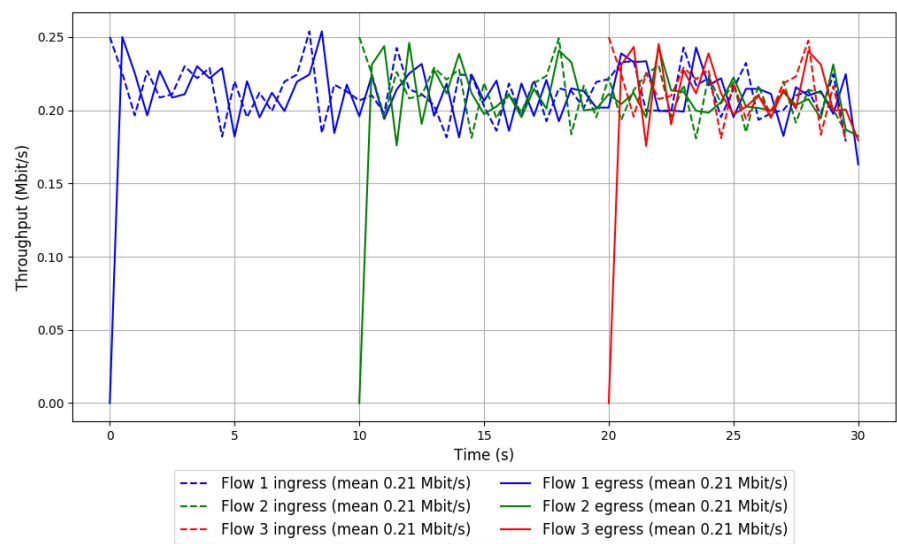


Run 3: Statistics of SReAM

Start at: 2018-07-25 08:29:20
End at: 2018-07-25 08:29:50
Local clock offset: -0.794 ms
Remote clock offset: -11.235 ms

Below is generated by plot.py at 2018-07-25 11:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 15.972 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.945 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.960 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.025 ms
Loss rate: 0.35%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-07-25 08:50:36

End at: 2018-07-25 08:51:06

Local clock offset: 1.371 ms

Remote clock offset: -3.06 ms

Below is generated by plot.py at 2018-07-25 11:22:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 15.890 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 15.881 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 15.890 ms

Loss rate: 0.19%

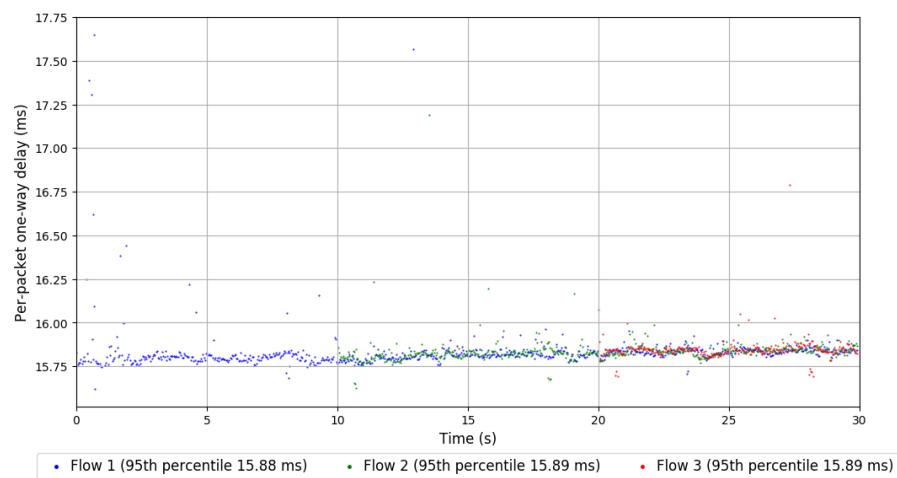
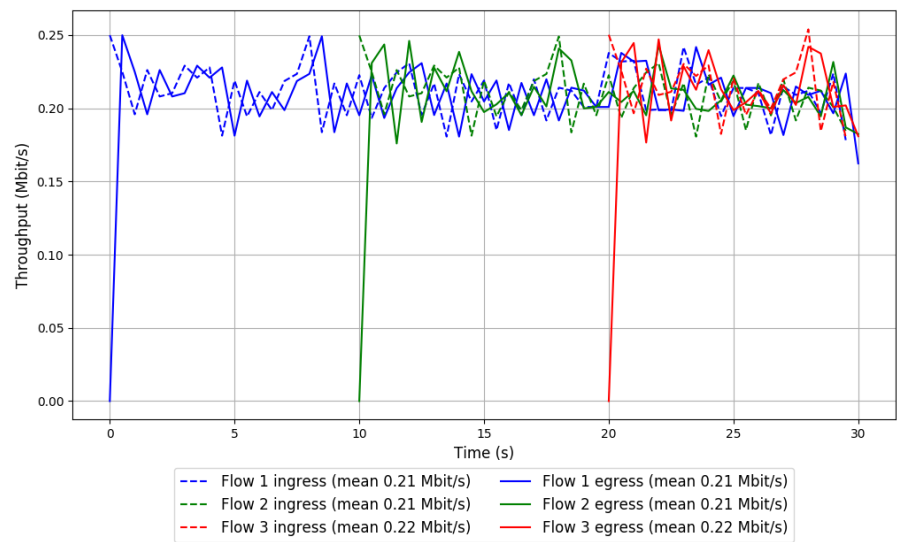
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 15.892 ms

Loss rate: 0.35%

Run 4: Report of SReAM — Data Link

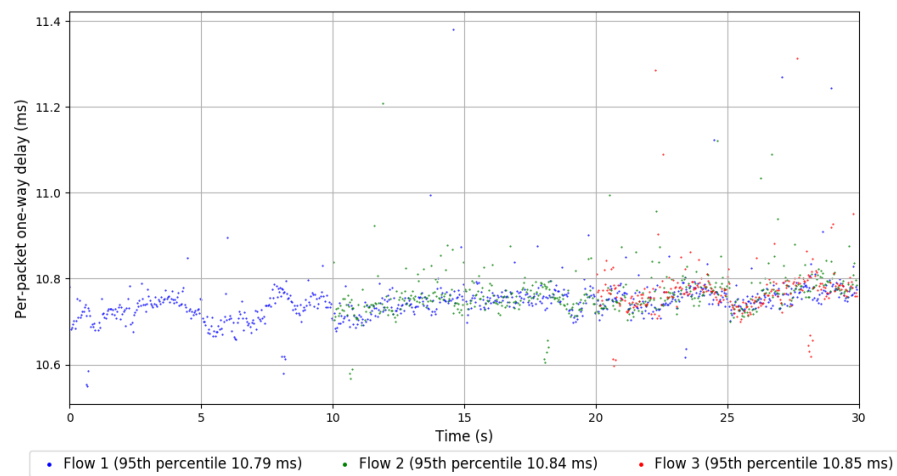
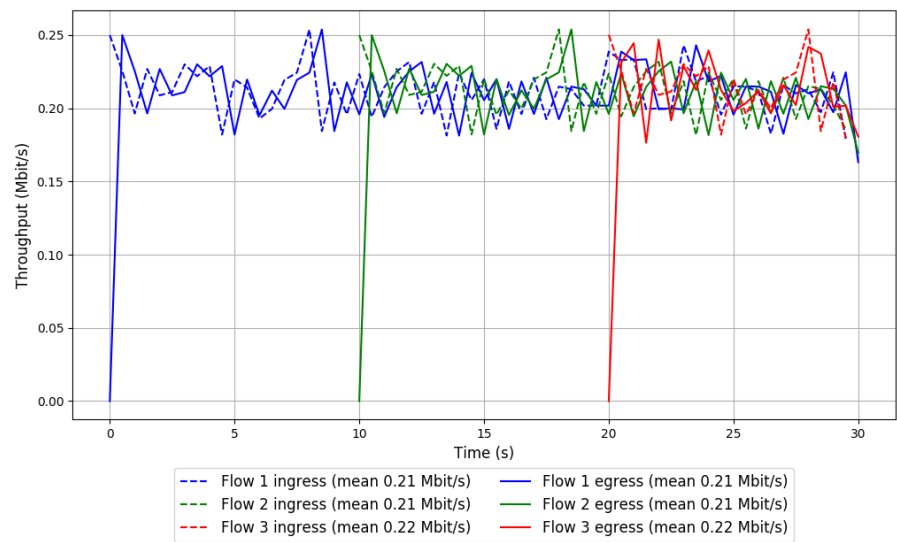


Run 5: Statistics of SReAM

Start at: 2018-07-25 09:11:19
End at: 2018-07-25 09:11:49
Local clock offset: -1.773 ms
Remote clock offset: 1.635 ms

Below is generated by plot.py at 2018-07-25 11:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 10.822 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.791 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.838 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.845 ms
Loss rate: 0.35%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-07-25 09:32:51

End at: 2018-07-25 09:33:21

Local clock offset: 1.918 ms

Remote clock offset: 4.347 ms

Below is generated by plot.py at 2018-07-25 11:22:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 26.851 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 26.320 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 27.099 ms

Loss rate: 0.19%

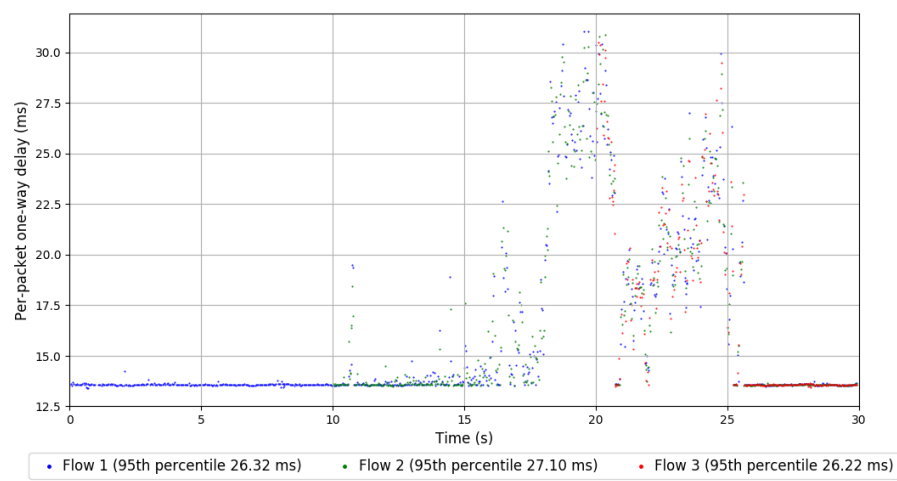
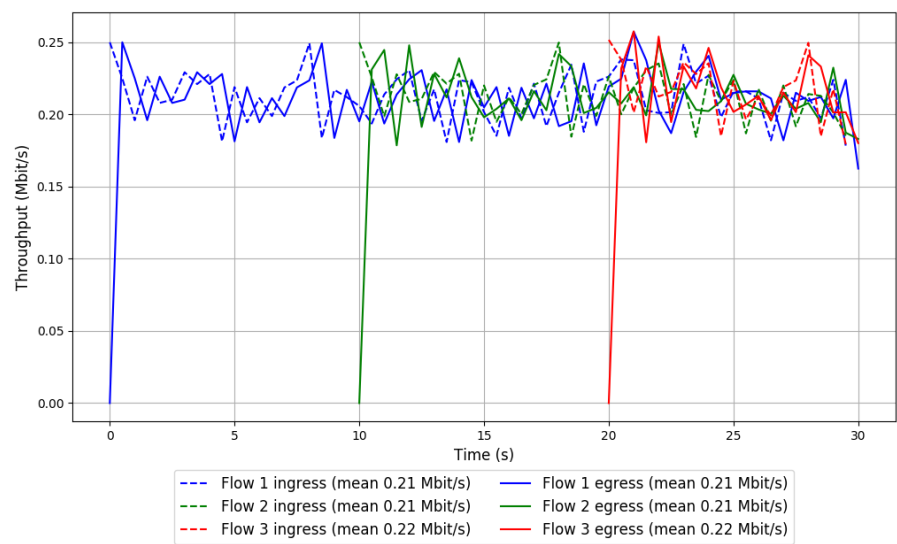
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 26.221 ms

Loss rate: 0.35%

Run 6: Report of SReAM — Data Link

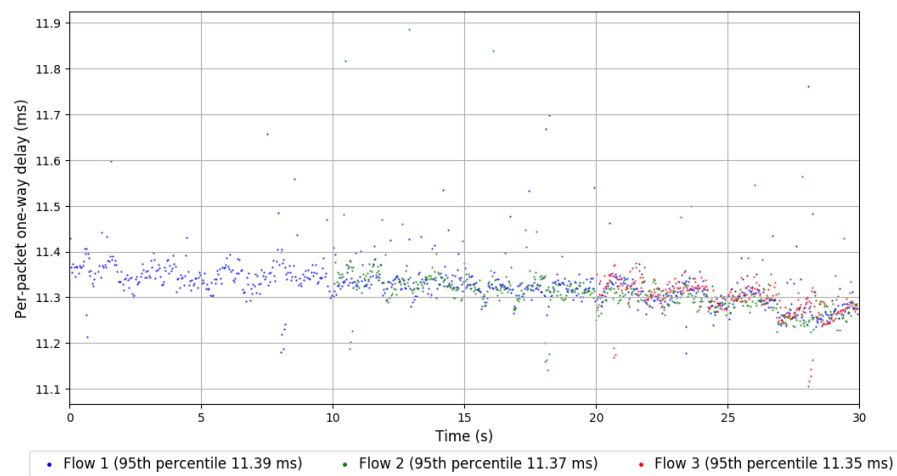
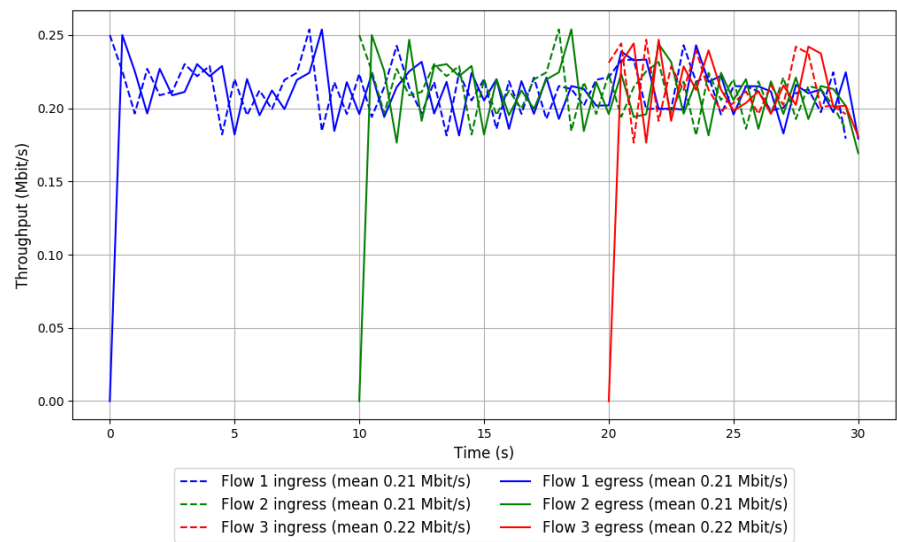


Run 7: Statistics of SReAM

Start at: 2018-07-25 09:53:19
End at: 2018-07-25 09:53:49
Local clock offset: -0.233 ms
Remote clock offset: -3.513 ms

Below is generated by plot.py at 2018-07-25 11:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 11.382 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.395 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.372 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 11.349 ms
Loss rate: 0.35%

Run 7: Report of SReAM — Data Link

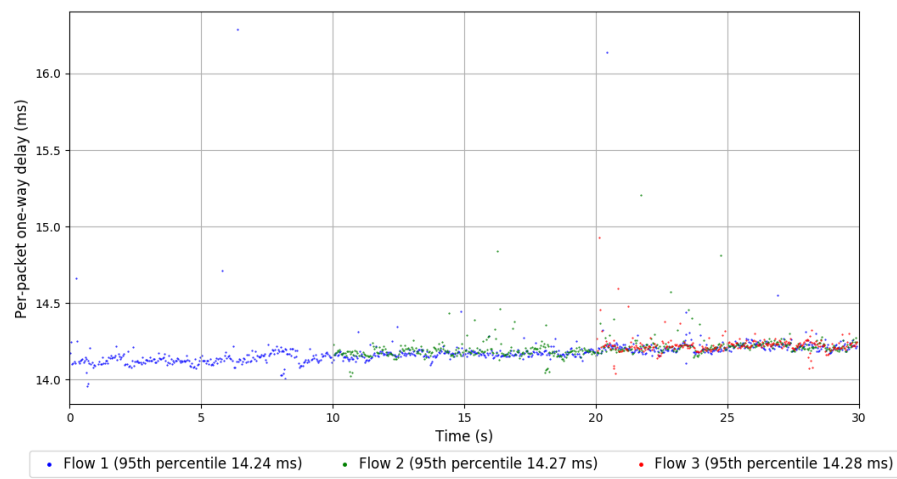
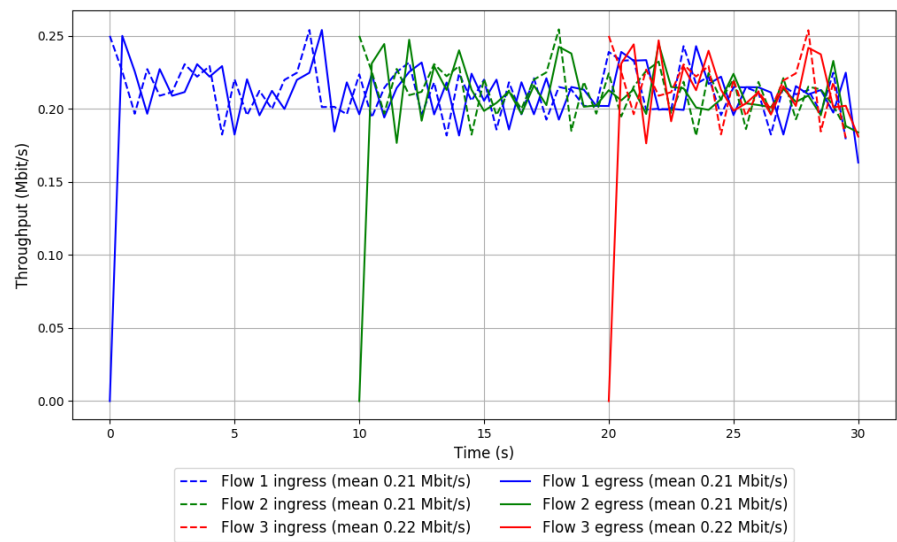


Run 8: Statistics of SReAM

Start at: 2018-07-25 10:13:58
End at: 2018-07-25 10:14:28
Local clock offset: 2.234 ms
Remote clock offset: -2.999 ms

Below is generated by plot.py at 2018-07-25 11:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 14.261 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.245 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.271 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 14.284 ms
Loss rate: 0.36%

Run 8: Report of SReAM — Data Link

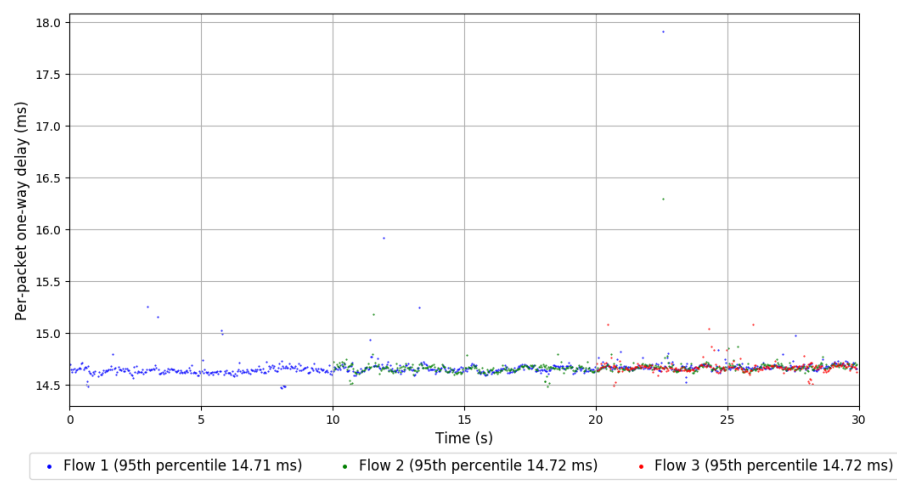
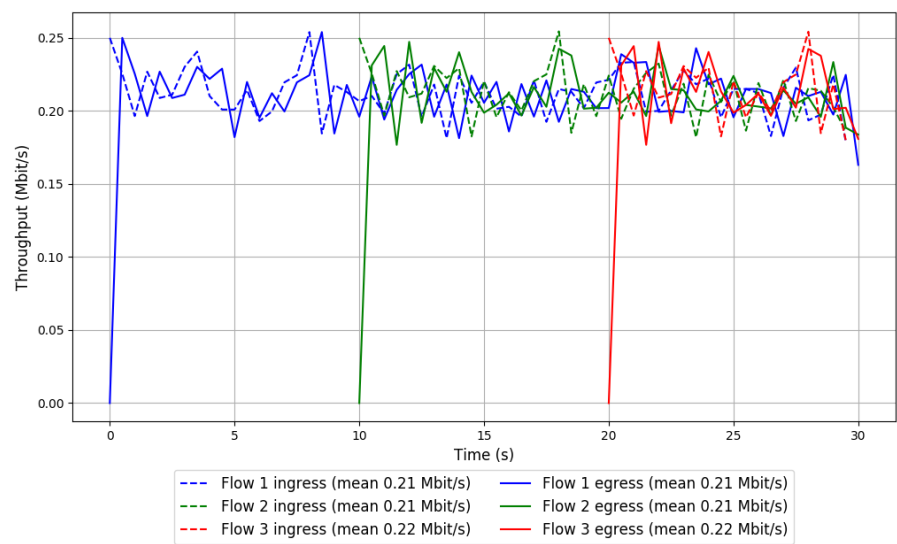


Run 9: Statistics of SReAM

Start at: 2018-07-25 10:34:35
End at: 2018-07-25 10:35:05
Local clock offset: 0.677 ms
Remote clock offset: -2.929 ms

Below is generated by plot.py at 2018-07-25 11:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 14.716 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.715 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.716 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 14.716 ms
Loss rate: 0.36%

Run 9: Report of SReAM — Data Link

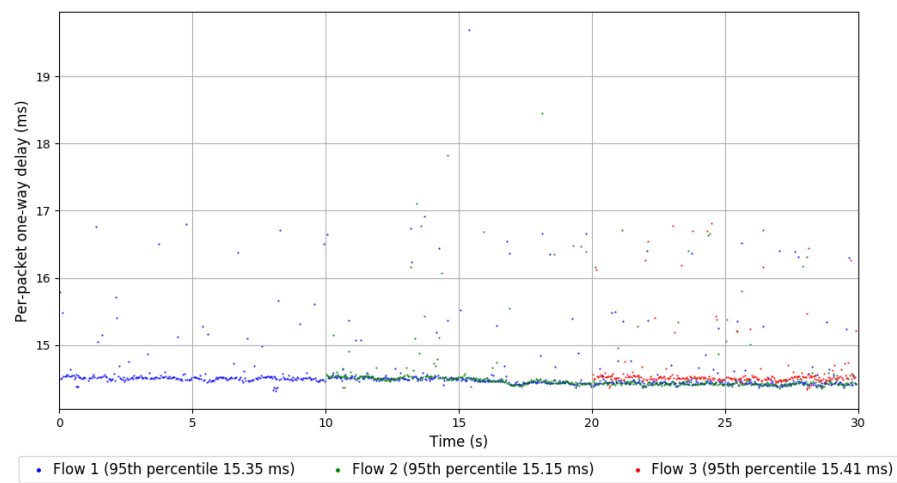
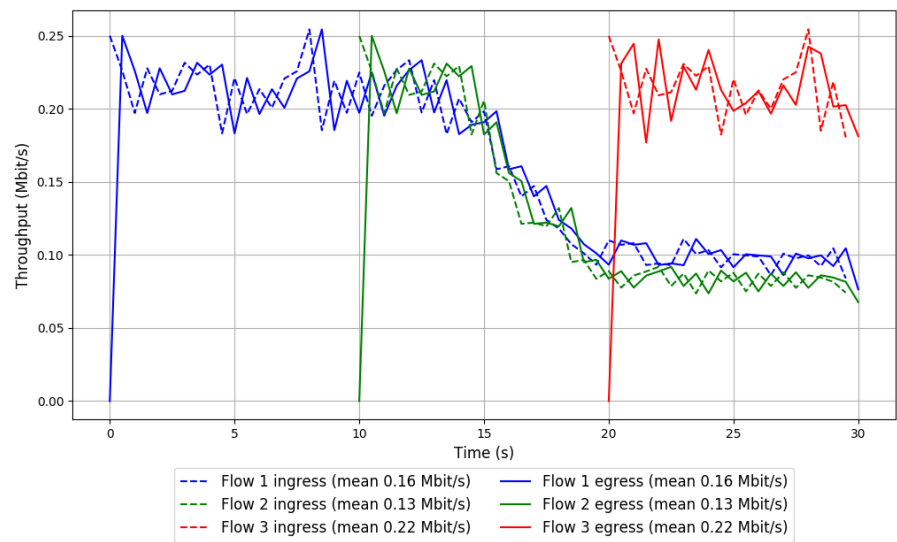


Run 10: Statistics of SReAM

Start at: 2018-07-25 10:55:00
End at: 2018-07-25 10:55:30
Local clock offset: 2.346 ms
Remote clock offset: -2.339 ms

Below is generated by plot.py at 2018-07-25 11:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 15.357 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 15.348 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 15.150 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.408 ms
Loss rate: 0.35%

Run 10: Report of SReAM — Data Link

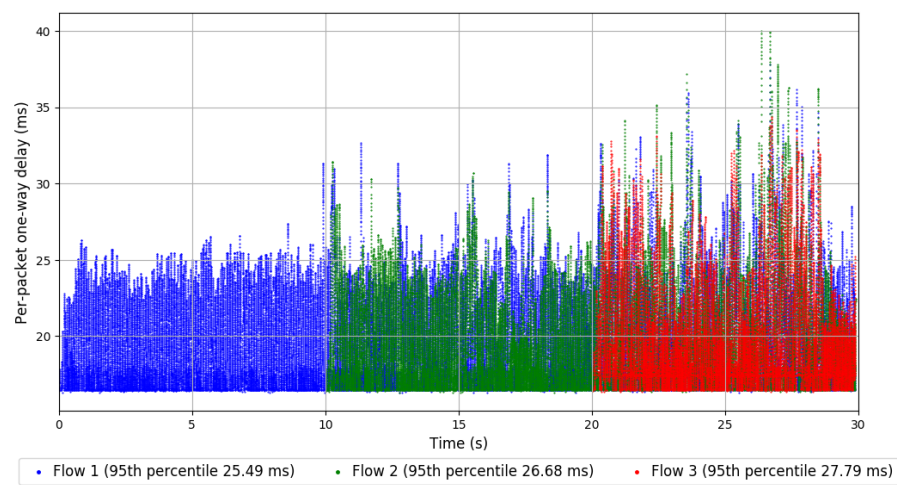
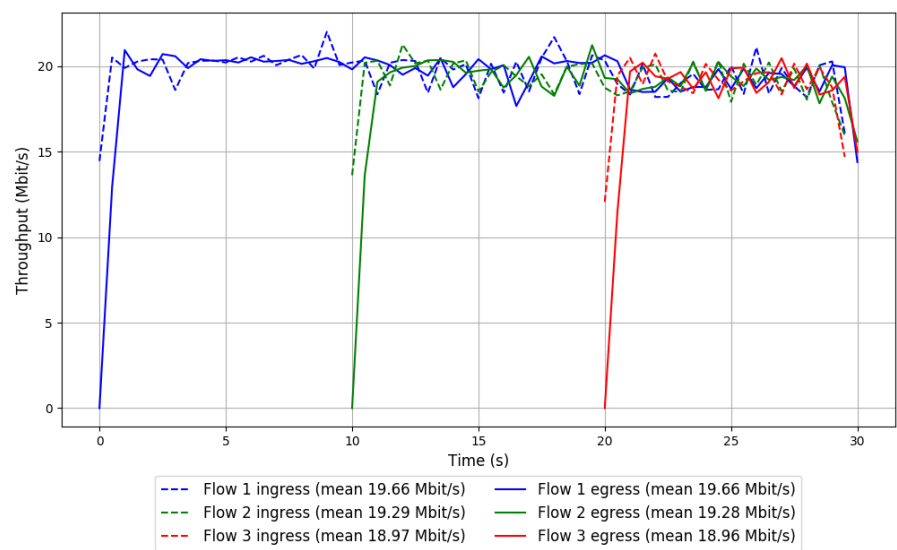


Run 1: Statistics of Sprout

Start at: 2018-07-25 07:45:16
End at: 2018-07-25 07:45:46
Local clock offset: 1.49 ms
Remote clock offset: -1.892 ms

Below is generated by plot.py at 2018-07-25 11:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.73 Mbit/s
95th percentile per-packet one-way delay: 26.333 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 19.66 Mbit/s
95th percentile per-packet one-way delay: 25.486 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 19.28 Mbit/s
95th percentile per-packet one-way delay: 26.681 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 18.96 Mbit/s
95th percentile per-packet one-way delay: 27.789 ms
Loss rate: 0.20%

Run 1: Report of Sprout — Data Link

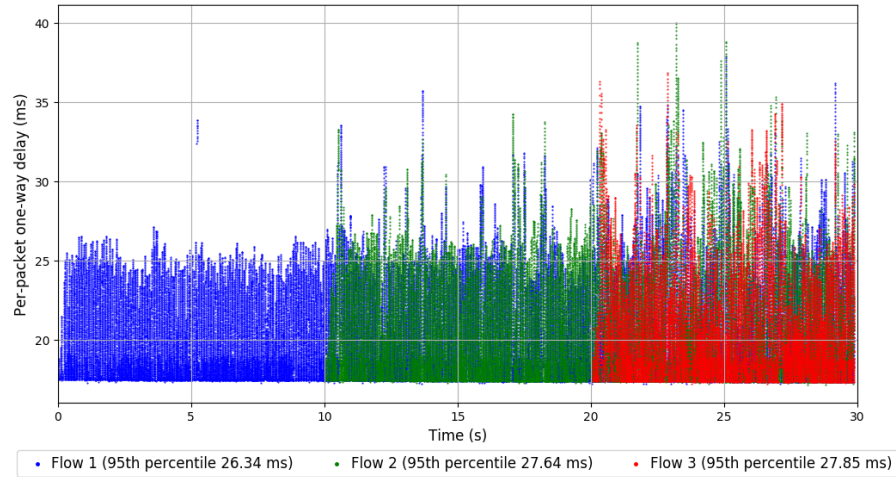
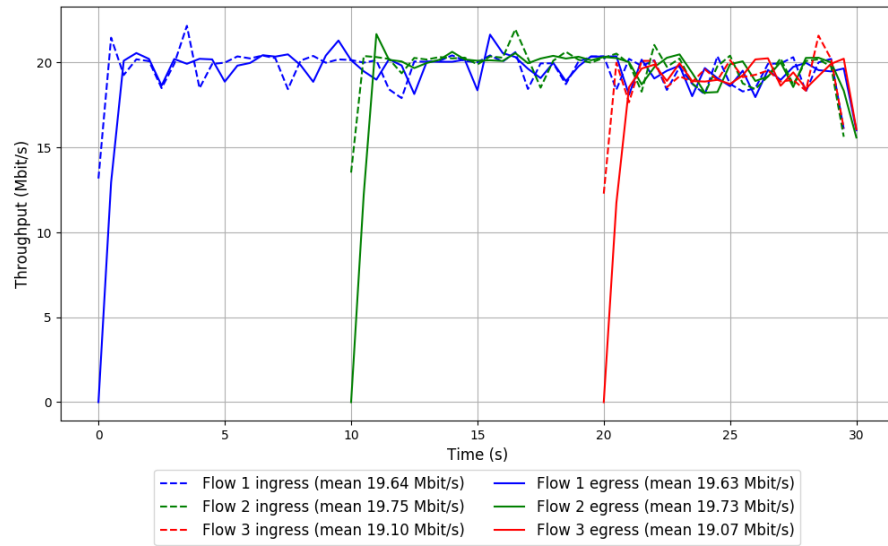


Run 2: Statistics of Sprout

Start at: 2018-07-25 08:06:21
End at: 2018-07-25 08:06:51
Local clock offset: 1.074 ms
Remote clock offset: -9.696 ms

Below is generated by plot.py at 2018-07-25 11:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.03 Mbit/s
95th percentile per-packet one-way delay: 27.028 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 19.63 Mbit/s
95th percentile per-packet one-way delay: 26.341 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 19.73 Mbit/s
95th percentile per-packet one-way delay: 27.639 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 19.07 Mbit/s
95th percentile per-packet one-way delay: 27.848 ms
Loss rate: 0.45%

Run 2: Report of Sprout — Data Link

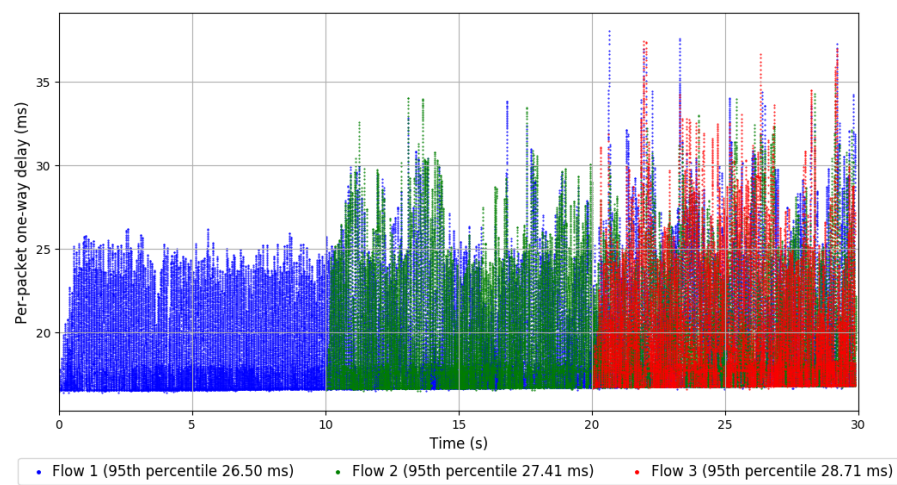
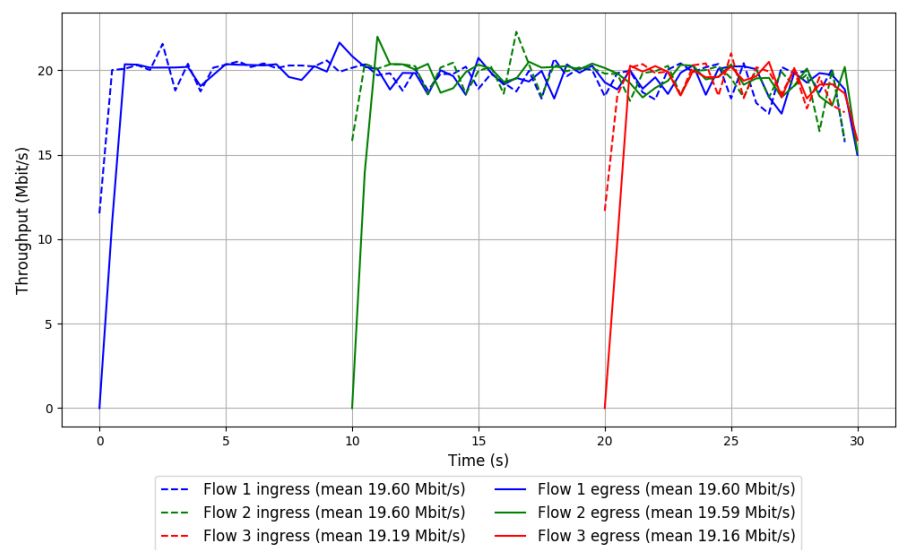


Run 3: Statistics of Sprout

Start at: 2018-07-25 08:27:00
End at: 2018-07-25 08:27:30
Local clock offset: 1.788 ms
Remote clock offset: -10.771 ms

Below is generated by plot.py at 2018-07-25 11:22:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.93 Mbit/s
95th percentile per-packet one-way delay: 27.285 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 19.60 Mbit/s
95th percentile per-packet one-way delay: 26.502 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 19.59 Mbit/s
95th percentile per-packet one-way delay: 27.414 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 19.16 Mbit/s
95th percentile per-packet one-way delay: 28.706 ms
Loss rate: 0.43%

Run 3: Report of Sprout — Data Link

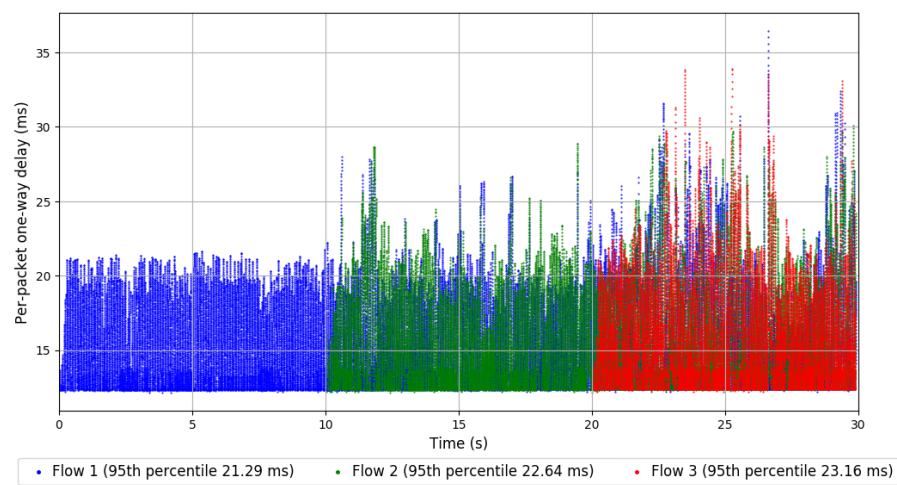
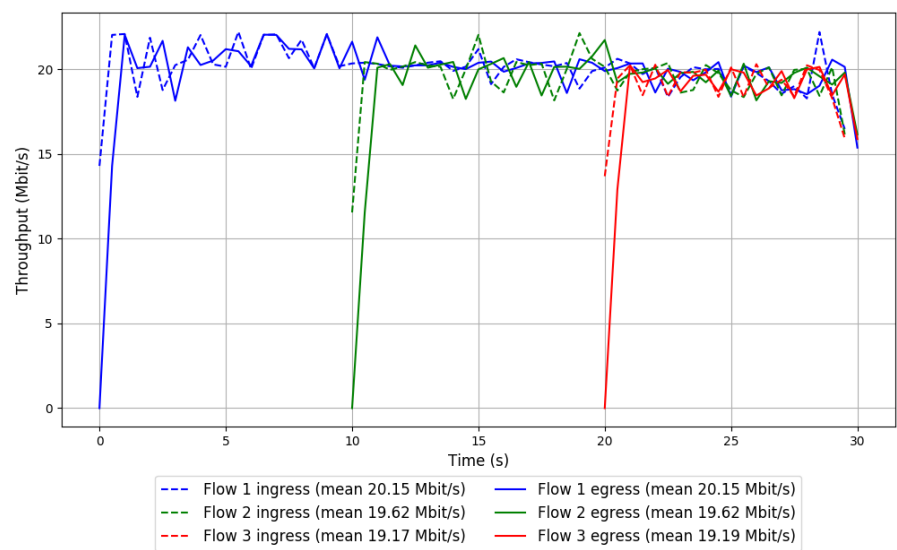


Run 4: Statistics of Sprout

Start at: 2018-07-25 08:48:16
End at: 2018-07-25 08:48:46
Local clock offset: -1.648 ms
Remote clock offset: -2.894 ms

```
# Below is generated by plot.py at 2018-07-25 11:22:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 39.52 Mbit/s
95th percentile per-packet one-way delay: 22.139 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 20.15 Mbit/s
95th percentile per-packet one-way delay: 21.287 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 19.62 Mbit/s
95th percentile per-packet one-way delay: 22.638 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 19.19 Mbit/s
95th percentile per-packet one-way delay: 23.162 ms
Loss rate: 0.10%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-25 09:08:58

End at: 2018-07-25 09:09:28

Local clock offset: 1.53 ms

Remote clock offset: 0.68 ms

Below is generated by plot.py at 2018-07-25 11:22:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.97 Mbit/s

95th percentile per-packet one-way delay: 25.009 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 20.23 Mbit/s

95th percentile per-packet one-way delay: 23.895 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 19.98 Mbit/s

95th percentile per-packet one-way delay: 25.566 ms

Loss rate: 0.25%

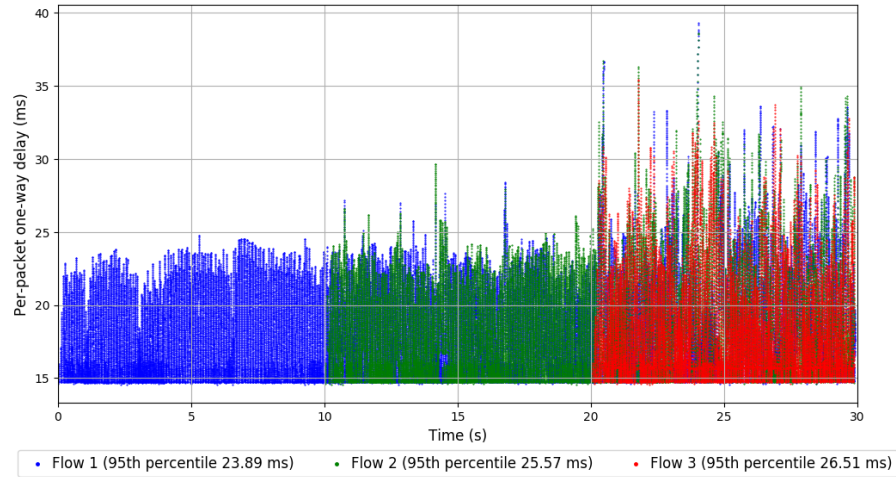
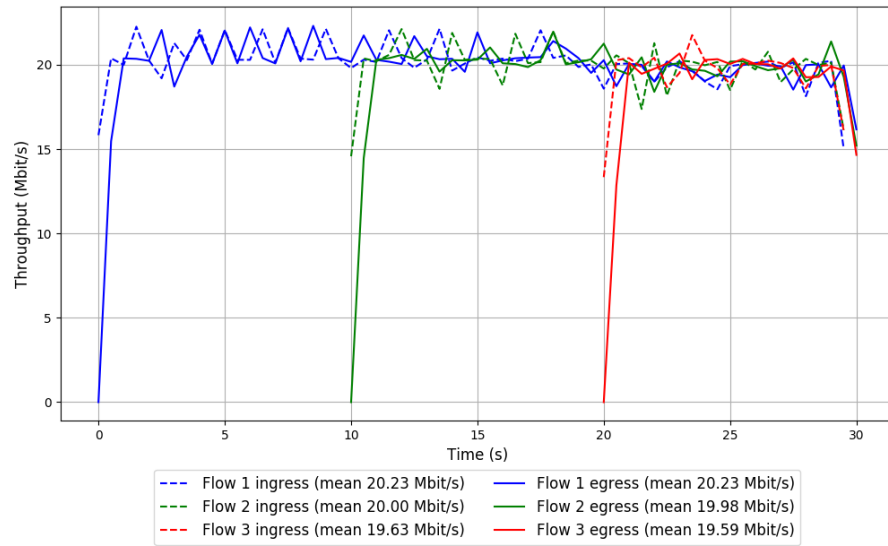
-- Flow 3:

Average throughput: 19.59 Mbit/s

95th percentile per-packet one-way delay: 26.506 ms

Loss rate: 0.48%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-25 09:30:17

End at: 2018-07-25 09:30:47

Local clock offset: -1.003 ms

Remote clock offset: 5.434 ms

Below is generated by plot.py at 2018-07-25 11:22:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 38.97 Mbit/s

95th percentile per-packet one-way delay: 19.438 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 19.76 Mbit/s

95th percentile per-packet one-way delay: 18.491 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 19.32 Mbit/s

95th percentile per-packet one-way delay: 18.861 ms

Loss rate: 0.08%

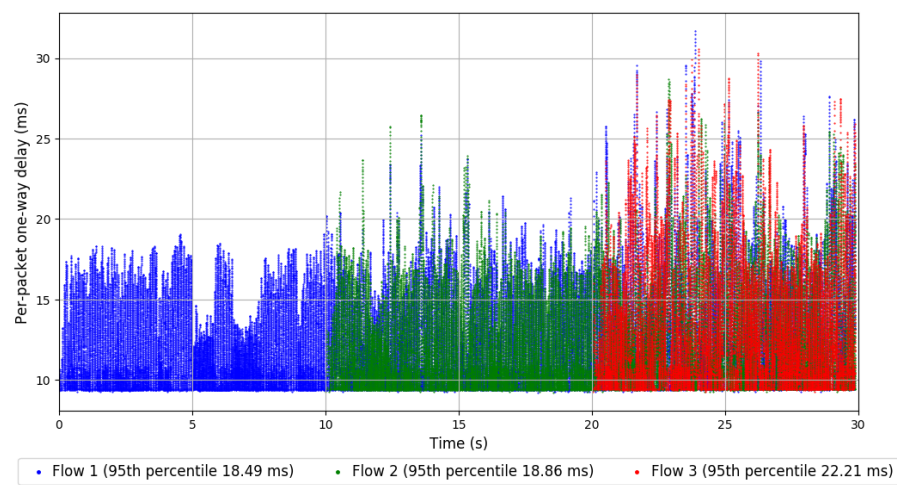
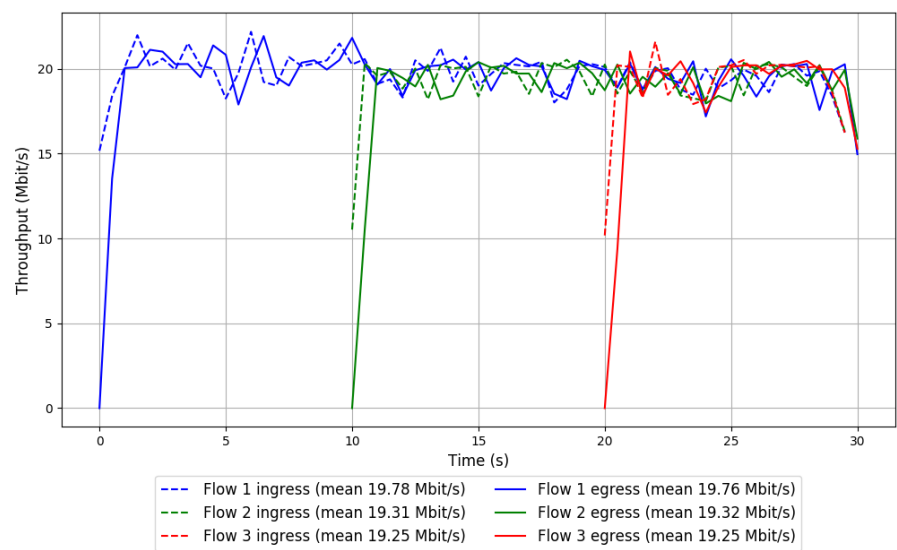
-- Flow 3:

Average throughput: 19.25 Mbit/s

95th percentile per-packet one-way delay: 22.214 ms

Loss rate: 0.25%

Run 6: Report of Sprout — Data Link

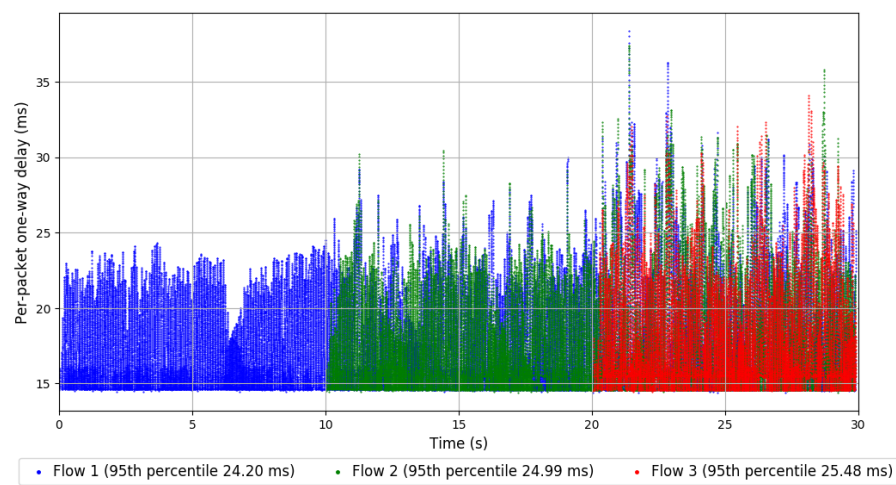
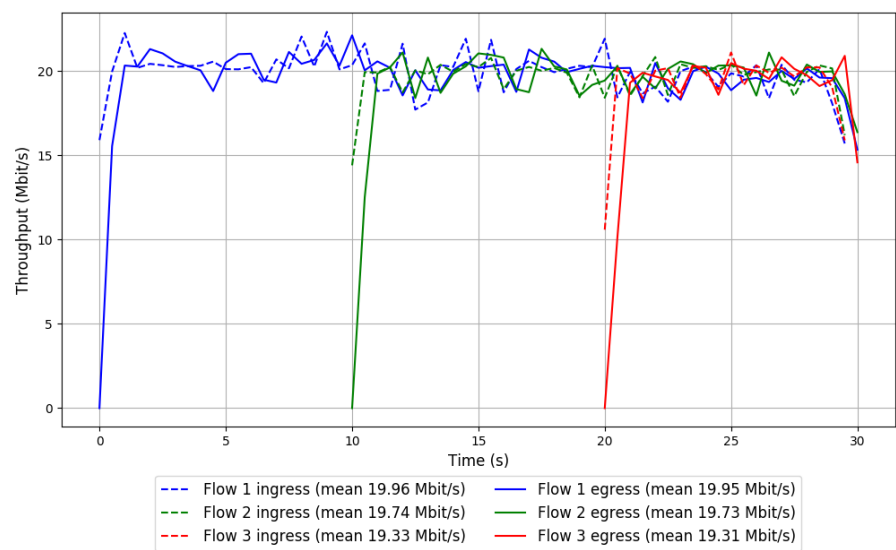


Run 7: Statistics of Sprout

Start at: 2018-07-25 09:51:03
End at: 2018-07-25 09:51:33
Local clock offset: 2.84 ms
Remote clock offset: -3.367 ms

Below is generated by plot.py at 2018-07-25 11:22:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.44 Mbit/s
95th percentile per-packet one-way delay: 24.701 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 19.95 Mbit/s
95th percentile per-packet one-way delay: 24.196 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 19.73 Mbit/s
95th percentile per-packet one-way delay: 24.986 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 19.31 Mbit/s
95th percentile per-packet one-way delay: 25.483 ms
Loss rate: 0.34%

Run 7: Report of Sprout — Data Link

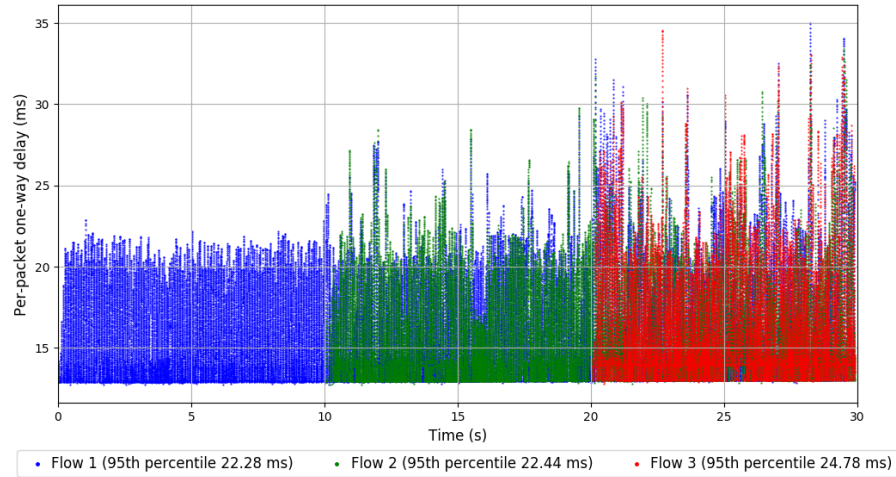
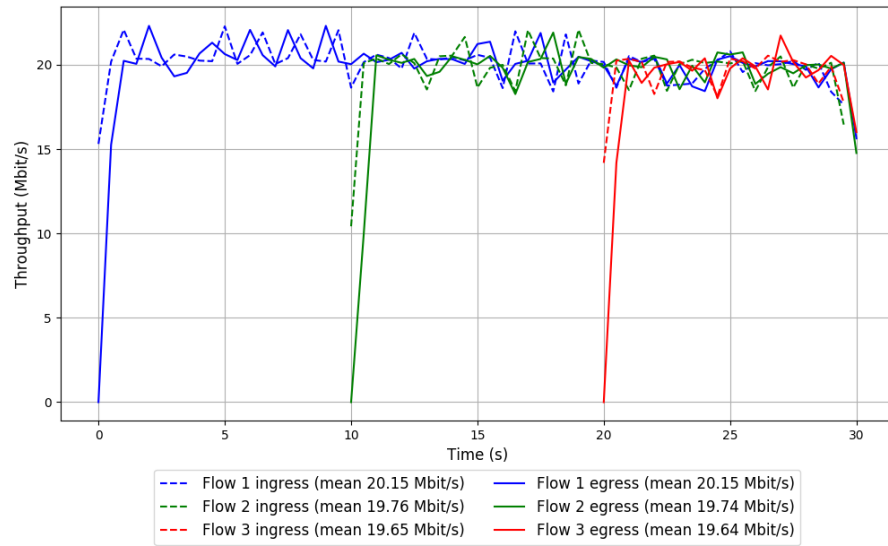


Run 8: Statistics of Sprout

Start at: 2018-07-25 10:11:39
End at: 2018-07-25 10:12:09
Local clock offset: 1.106 ms
Remote clock offset: -3.479 ms

```
# Below is generated by plot.py at 2018-07-25 11:22:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 22.816 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 20.15 Mbit/s
95th percentile per-packet one-way delay: 22.283 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 19.74 Mbit/s
95th percentile per-packet one-way delay: 22.438 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 19.64 Mbit/s
95th percentile per-packet one-way delay: 24.781 ms
Loss rate: 0.45%
```

Run 8: Report of Sprout — Data Link

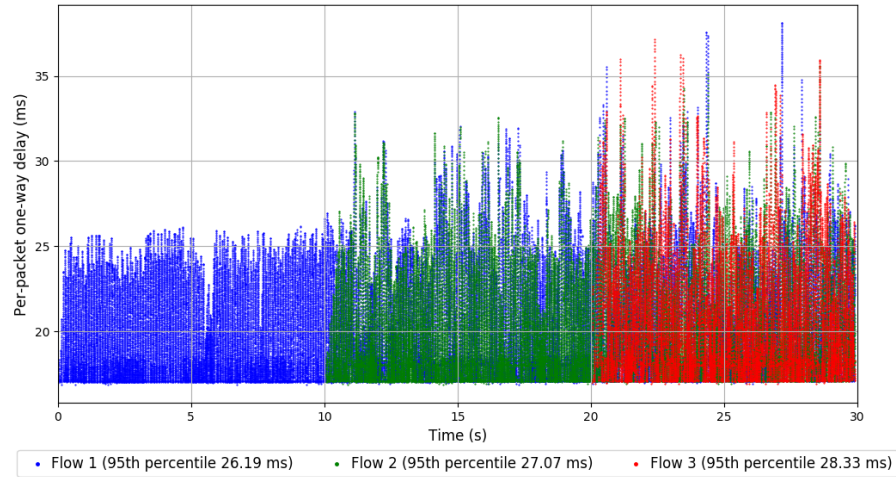
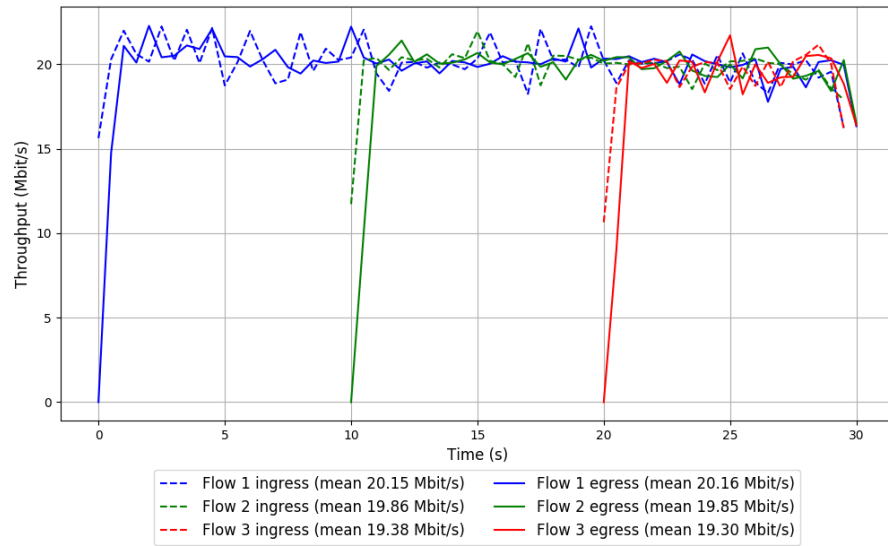


Run 9: Statistics of Sprout

Start at: 2018-07-25 10:32:12
End at: 2018-07-25 10:32:42
Local clock offset: 3.645 ms
Remote clock offset: -2.617 ms

```
# Below is generated by plot.py at 2018-07-25 11:22:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 26.904 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.16 Mbit/s
95th percentile per-packet one-way delay: 26.189 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 19.85 Mbit/s
95th percentile per-packet one-way delay: 27.073 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 19.30 Mbit/s
95th percentile per-packet one-way delay: 28.333 ms
Loss rate: 0.46%
```

Run 9: Report of Sprout — Data Link

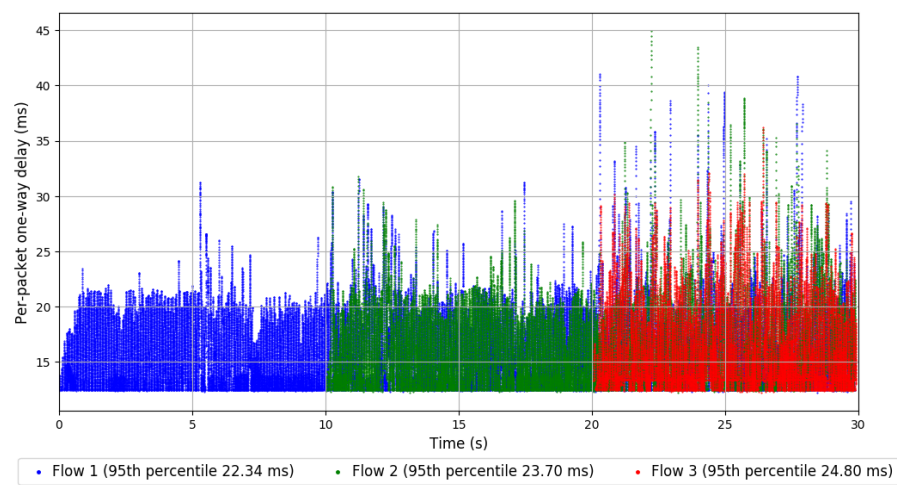
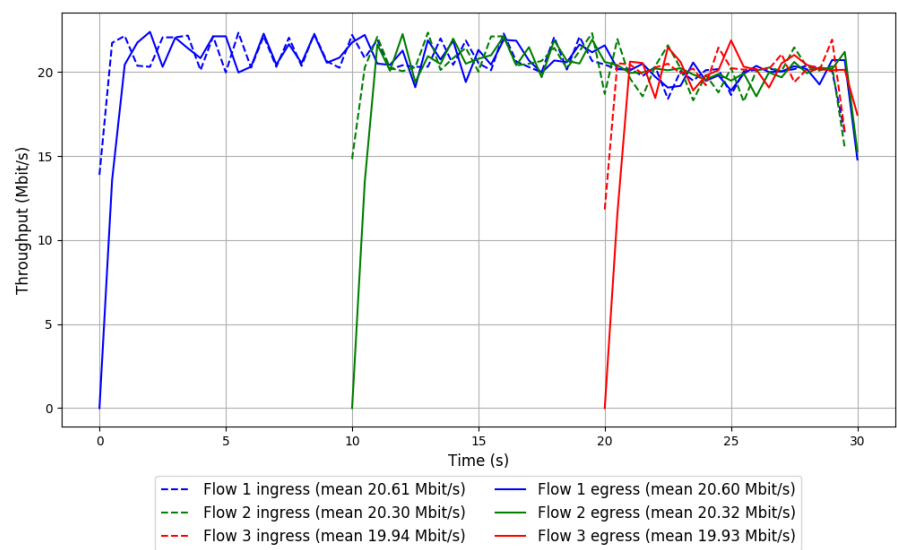


Run 10: Statistics of Sprout

Start at: 2018-07-25 10:52:41
End at: 2018-07-25 10:53:11
Local clock offset: 1.749 ms
Remote clock offset: -0.834 ms

Below is generated by plot.py at 2018-07-25 11:22:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.67 Mbit/s
95th percentile per-packet one-way delay: 23.394 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 20.60 Mbit/s
95th percentile per-packet one-way delay: 22.339 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 20.32 Mbit/s
95th percentile per-packet one-way delay: 23.700 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 19.93 Mbit/s
95th percentile per-packet one-way delay: 24.803 ms
Loss rate: 0.20%

Run 10: Report of Sprout — Data Link

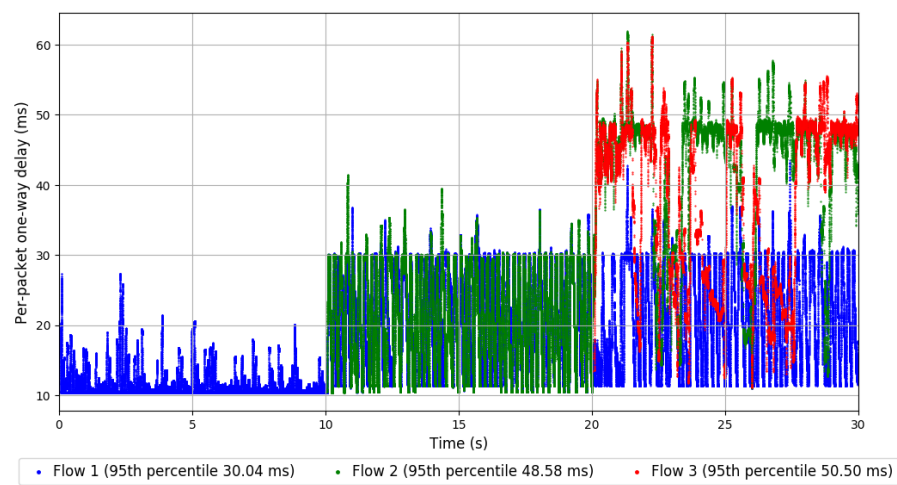
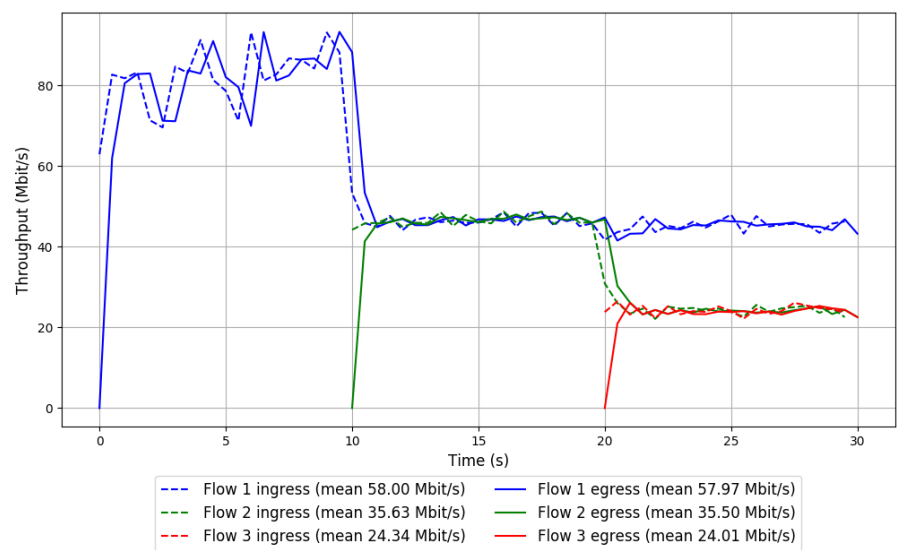


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-25 07:34:08
End at: 2018-07-25 07:34:38
Local clock offset: -0.79 ms
Remote clock offset: 0.692 ms

# Below is generated by plot.py at 2018-07-25 11:24:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.57 Mbit/s
95th percentile per-packet one-way delay: 47.936 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 57.97 Mbit/s
95th percentile per-packet one-way delay: 30.042 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 35.50 Mbit/s
95th percentile per-packet one-way delay: 48.583 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 24.01 Mbit/s
95th percentile per-packet one-way delay: 50.504 ms
Loss rate: 1.78%
```

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

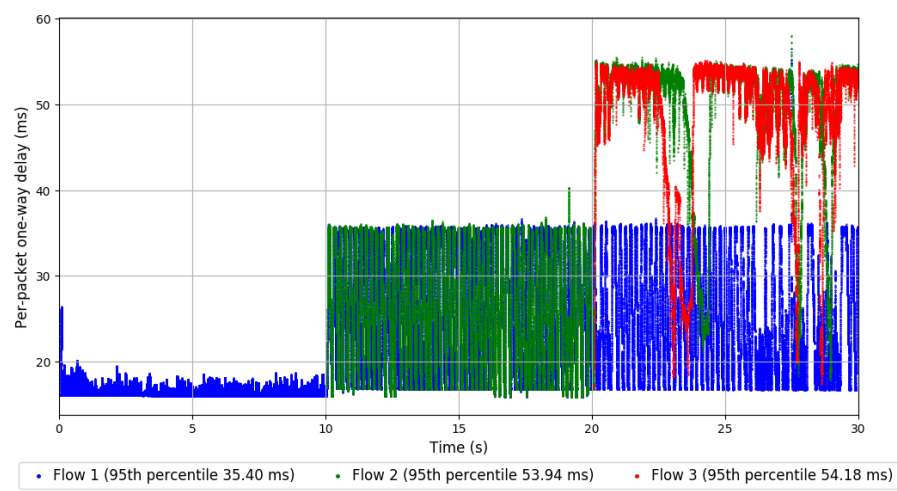
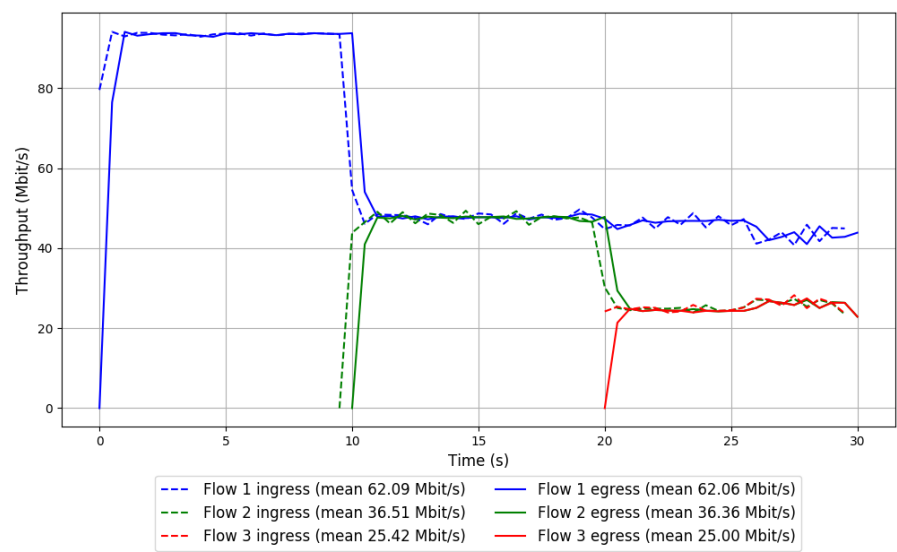


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-25 07:56:09
End at: 2018-07-25 07:56:39
Local clock offset: 0.176 ms
Remote clock offset: -5.243 ms

Below is generated by plot.py at 2018-07-25 11:24:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 53.414 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 62.06 Mbit/s
95th percentile per-packet one-way delay: 35.402 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 36.36 Mbit/s
95th percentile per-packet one-way delay: 53.937 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 25.00 Mbit/s
95th percentile per-packet one-way delay: 54.180 ms
Loss rate: 2.11%

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

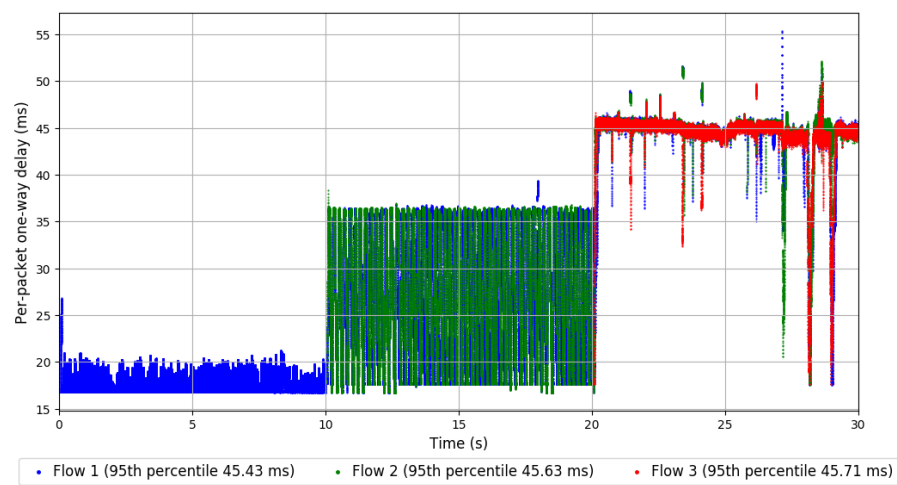
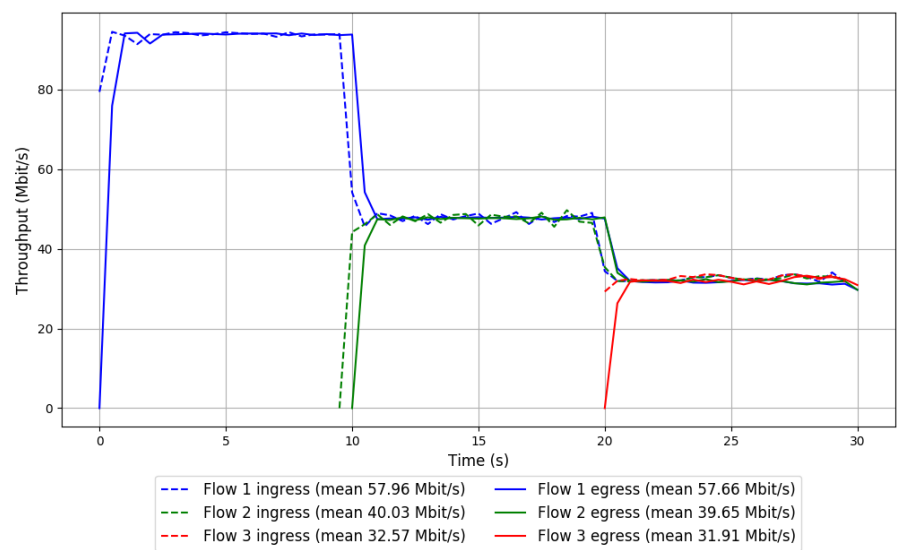


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-25 08:17:09
End at: 2018-07-25 08:17:39
Local clock offset: 1.652 ms
Remote clock offset: -10.838 ms

Below is generated by plot.py at 2018-07-25 11:24:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 45.568 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 57.66 Mbit/s
95th percentile per-packet one-way delay: 45.430 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 39.65 Mbit/s
95th percentile per-packet one-way delay: 45.629 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 31.91 Mbit/s
95th percentile per-packet one-way delay: 45.713 ms
Loss rate: 2.42%

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

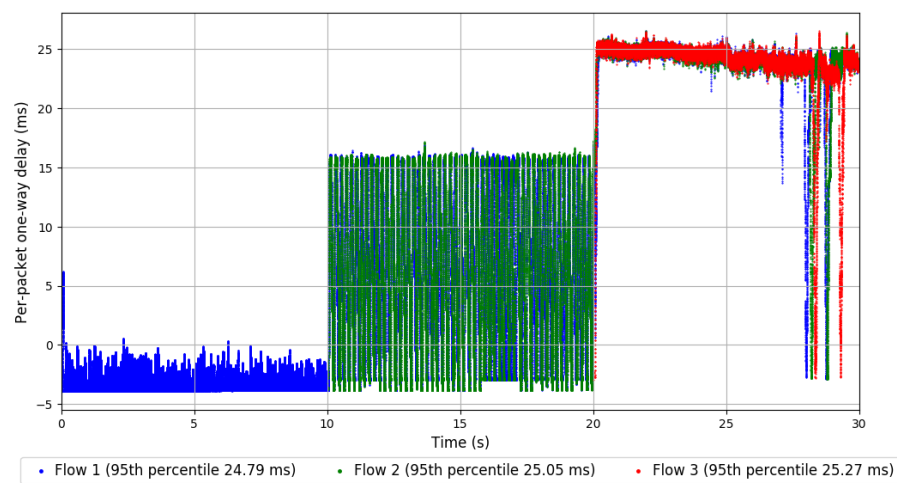
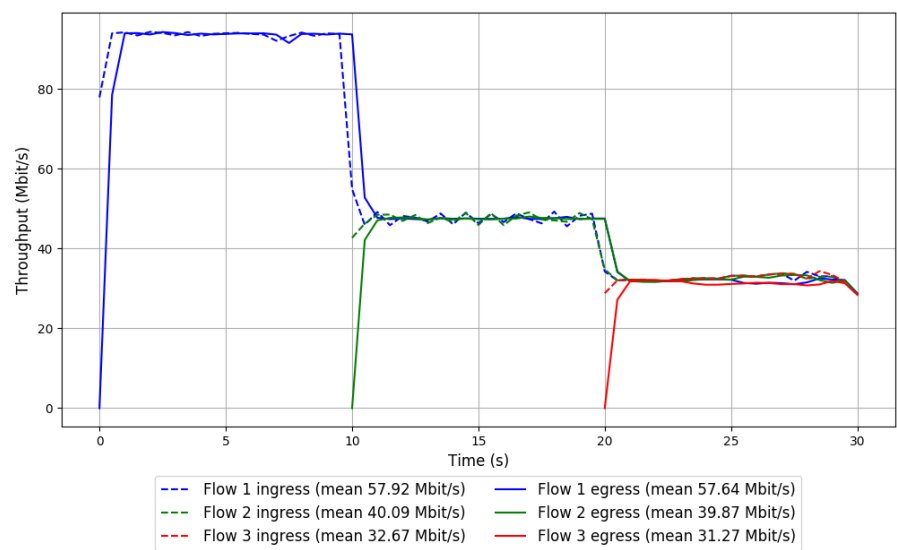


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-25 08:37:45
End at: 2018-07-25 08:38:15
Local clock offset: -1.753 ms
Remote clock offset: 11.239 ms

Below is generated by plot.py at 2018-07-25 11:24:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.56 Mbit/s
95th percentile per-packet one-way delay: 25.016 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 57.64 Mbit/s
95th percentile per-packet one-way delay: 24.786 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 39.87 Mbit/s
95th percentile per-packet one-way delay: 25.047 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 25.268 ms
Loss rate: 4.67%

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

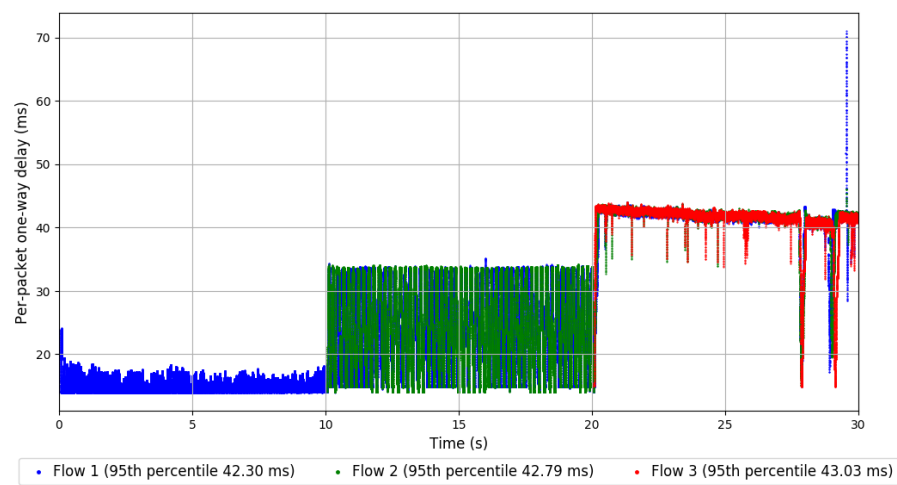
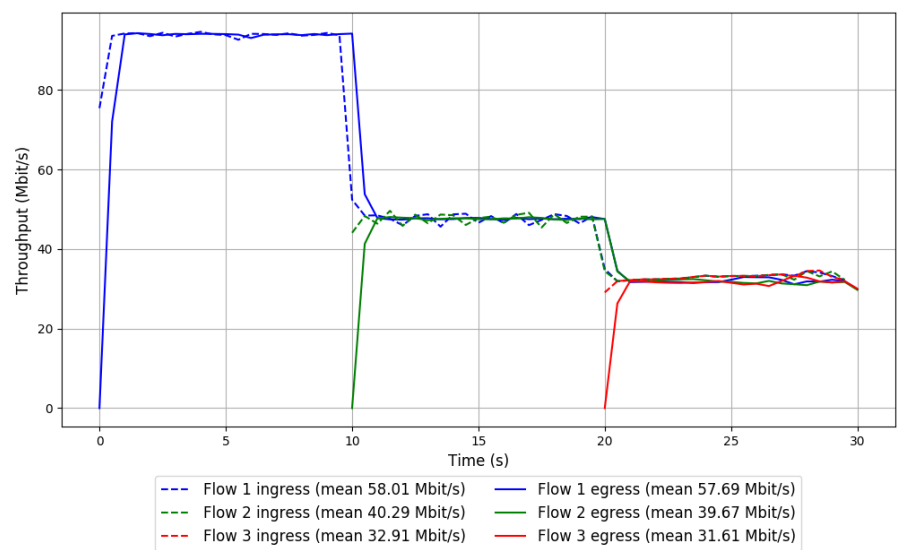


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-25 08:58:57
End at: 2018-07-25 08:59:27
Local clock offset: -0.46 ms
Remote clock offset: -2.319 ms

Below is generated by plot.py at 2018-07-25 11:24:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 42.700 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 57.69 Mbit/s
95th percentile per-packet one-way delay: 42.304 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 42.792 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 31.61 Mbit/s
95th percentile per-packet one-way delay: 43.033 ms
Loss rate: 4.35%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-25 09:20:13

End at: 2018-07-25 09:20:43

Local clock offset: -1.815 ms

Remote clock offset: 3.144 ms

Below is generated by plot.py at 2018-07-25 11:24:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.38 Mbit/s

95th percentile per-packet one-way delay: 46.140 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 62.43 Mbit/s

95th percentile per-packet one-way delay: 29.586 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 32.59 Mbit/s

95th percentile per-packet one-way delay: 47.728 ms

Loss rate: 0.19%

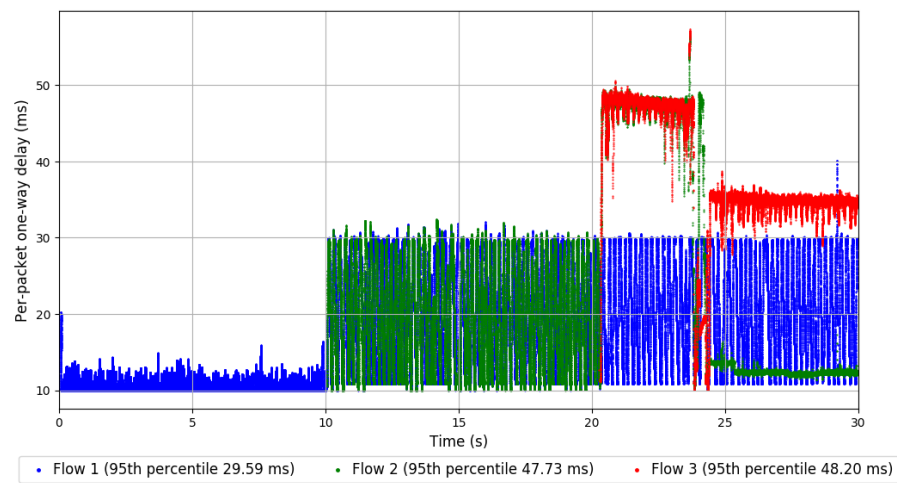
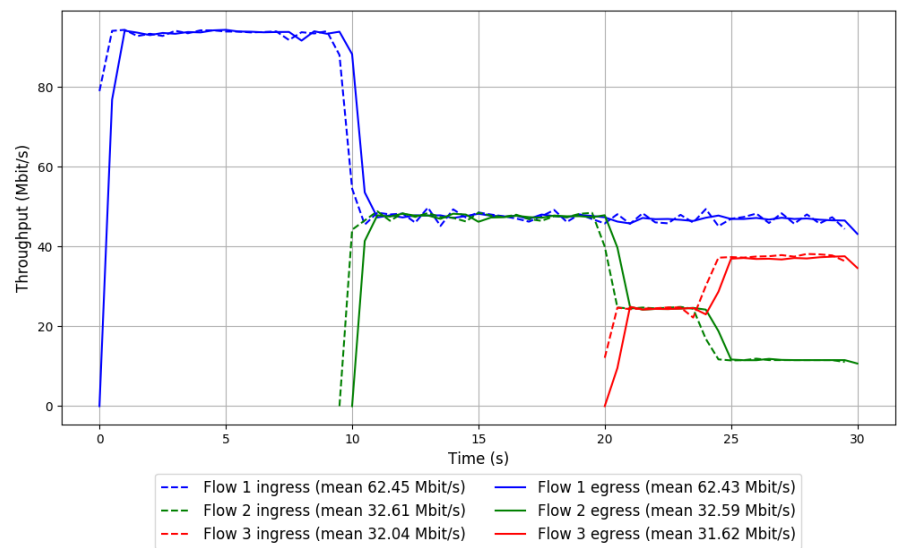
-- Flow 3:

Average throughput: 31.62 Mbit/s

95th percentile per-packet one-way delay: 48.196 ms

Loss rate: 1.69%

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

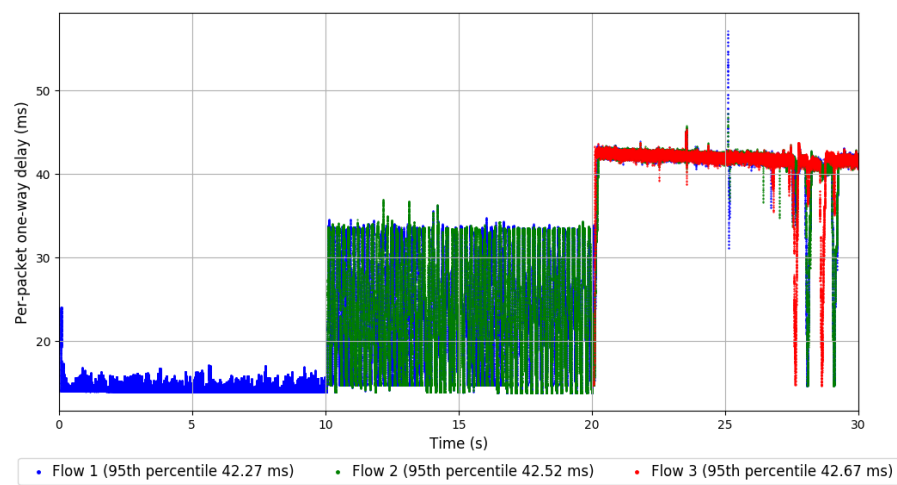
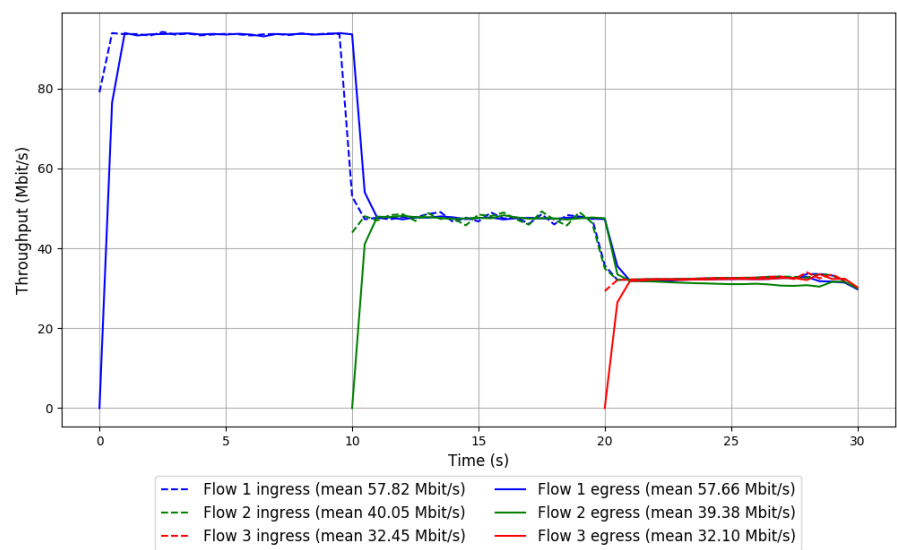


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-25 09:41:07
End at: 2018-07-25 09:41:37
Local clock offset: 2.355 ms
Remote clock offset: -0.377 ms

Below is generated by plot.py at 2018-07-25 11:24:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.54 Mbit/s
95th percentile per-packet one-way delay: 42.463 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 57.66 Mbit/s
95th percentile per-packet one-way delay: 42.273 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 39.38 Mbit/s
95th percentile per-packet one-way delay: 42.525 ms
Loss rate: 1.88%
-- Flow 3:
Average throughput: 32.10 Mbit/s
95th percentile per-packet one-way delay: 42.675 ms
Loss rate: 1.47%

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

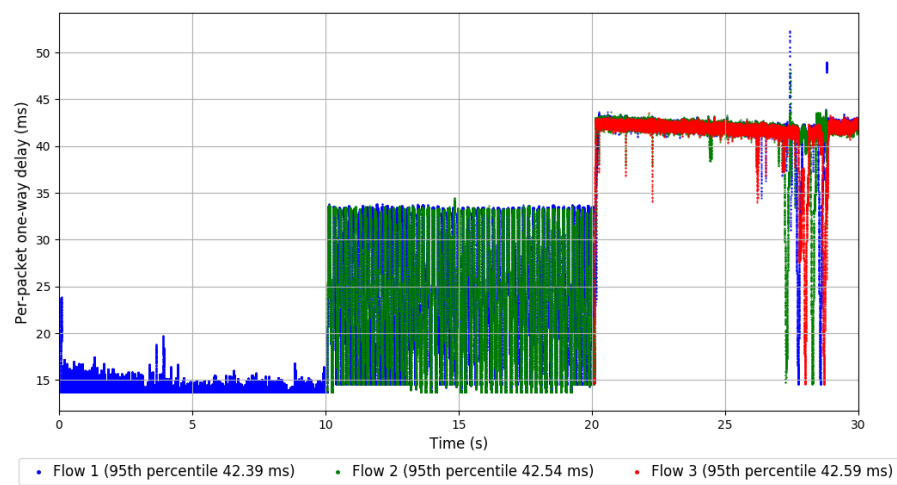
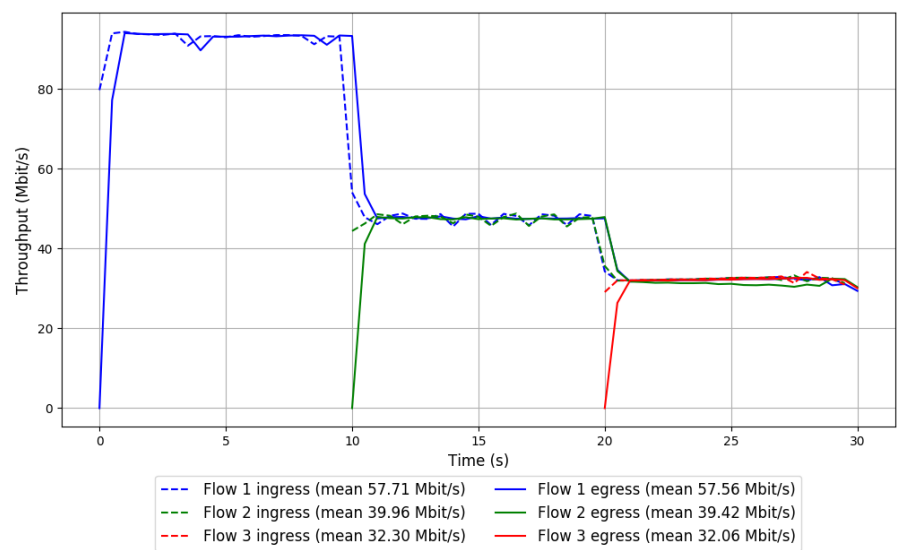


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-25 10:01:43
End at: 2018-07-25 10:02:13
Local clock offset: 2.728 ms
Remote clock offset: -3.772 ms

Below is generated by plot.py at 2018-07-25 11:24:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.45 Mbit/s
95th percentile per-packet one-way delay: 42.485 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 57.56 Mbit/s
95th percentile per-packet one-way delay: 42.386 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 39.42 Mbit/s
95th percentile per-packet one-way delay: 42.543 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 32.06 Mbit/s
95th percentile per-packet one-way delay: 42.589 ms
Loss rate: 1.16%

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

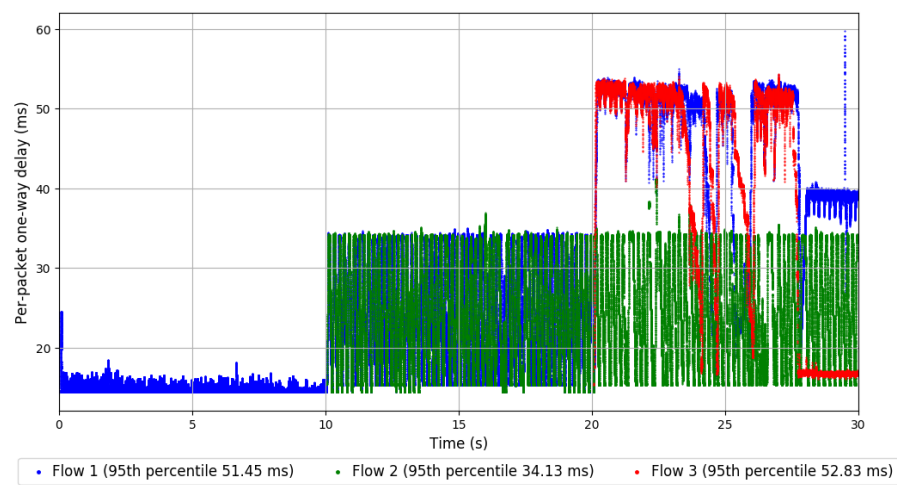
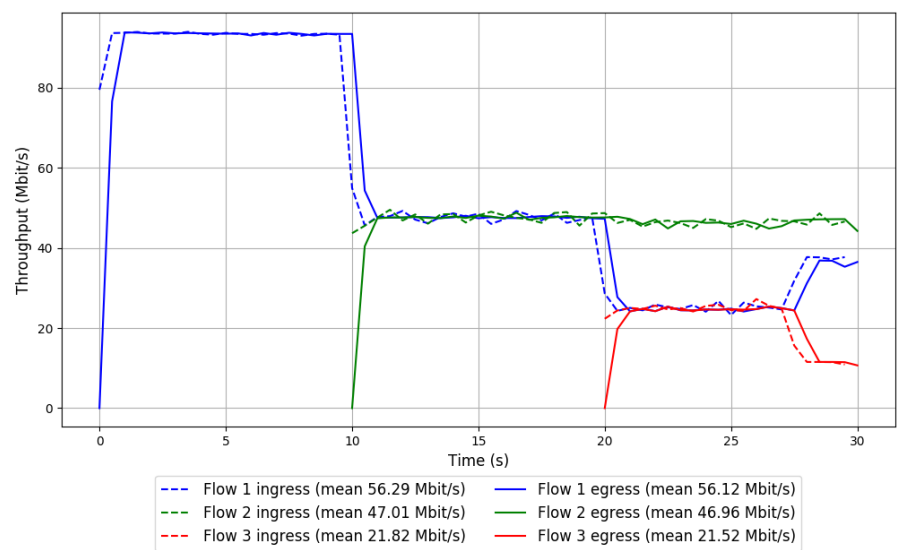


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-25 10:22:09
End at: 2018-07-25 10:22:39
Local clock offset: 0.851 ms
Remote clock offset: -3.549 ms

Below is generated by plot.py at 2018-07-25 11:26:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.53 Mbit/s
95th percentile per-packet one-way delay: 51.682 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 56.12 Mbit/s
95th percentile per-packet one-way delay: 51.446 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 46.96 Mbit/s
95th percentile per-packet one-way delay: 34.132 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 21.52 Mbit/s
95th percentile per-packet one-way delay: 52.832 ms
Loss rate: 1.64%

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

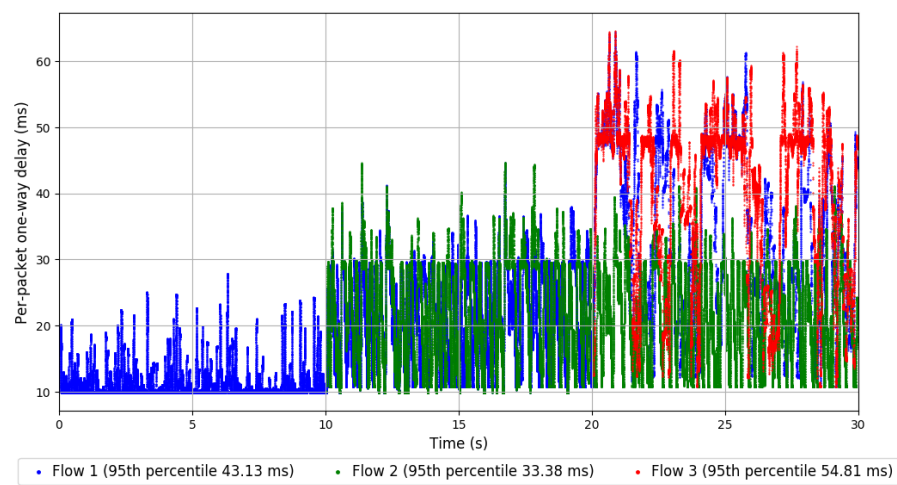
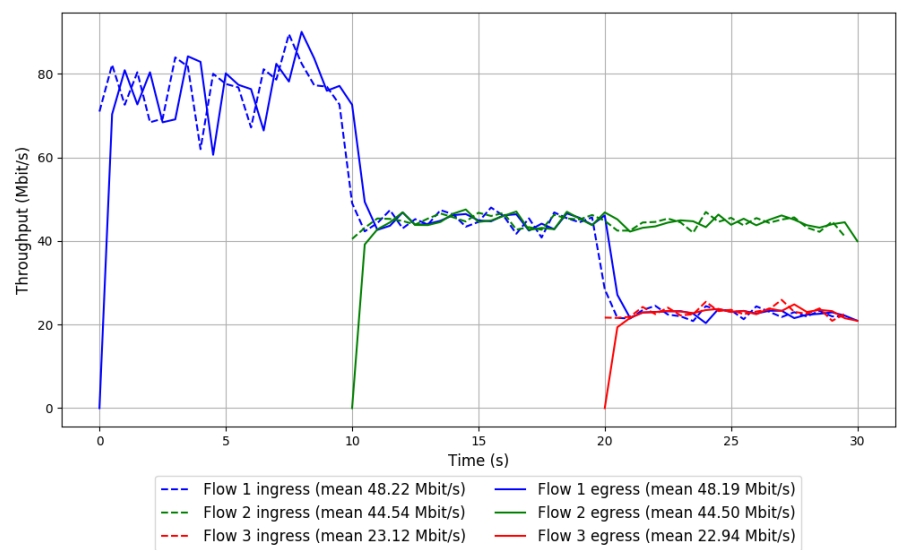


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-25 10:42:51
End at: 2018-07-25 10:43:22
Local clock offset: -1.622 ms
Remote clock offset: -1.269 ms

Below is generated by plot.py at 2018-07-25 11:26:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.45 Mbit/s
95th percentile per-packet one-way delay: 47.800 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 48.19 Mbit/s
95th percentile per-packet one-way delay: 43.133 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 44.50 Mbit/s
95th percentile per-packet one-way delay: 33.383 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 22.94 Mbit/s
95th percentile per-packet one-way delay: 54.806 ms
Loss rate: 1.03%

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

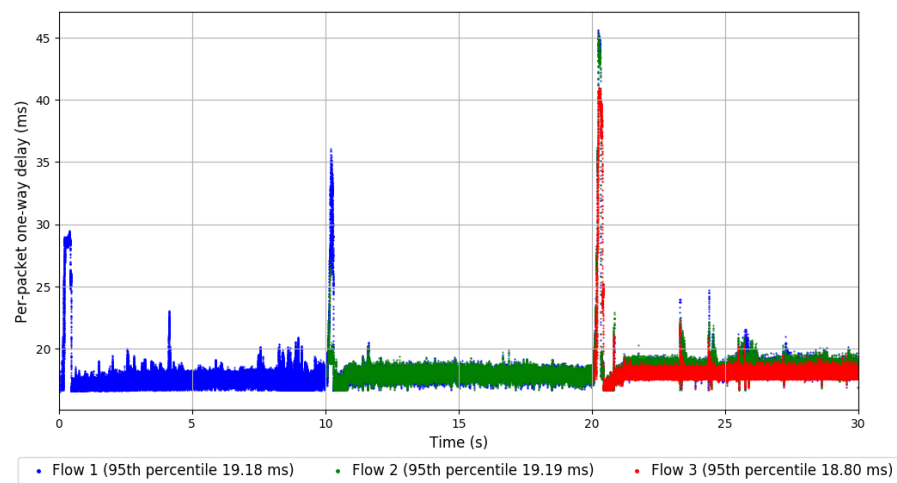
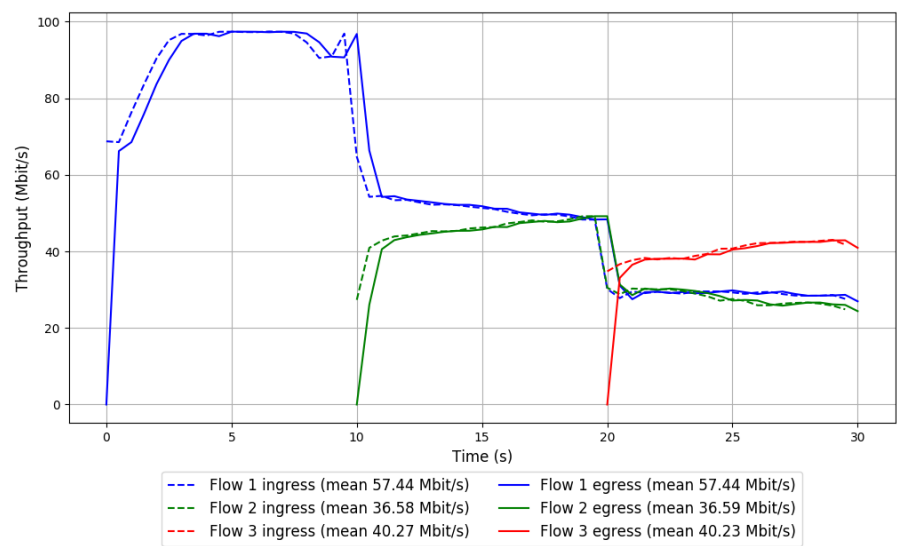


Run 1: Statistics of TCP Vegas

Start at: 2018-07-25 07:51:09
End at: 2018-07-25 07:51:39
Local clock offset: 0.46 ms
Remote clock offset: -2.847 ms

Below is generated by plot.py at 2018-07-25 11:26:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.12 Mbit/s
95th percentile per-packet one-way delay: 19.168 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 57.44 Mbit/s
95th percentile per-packet one-way delay: 19.185 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.59 Mbit/s
95th percentile per-packet one-way delay: 19.187 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 40.23 Mbit/s
95th percentile per-packet one-way delay: 18.802 ms
Loss rate: 0.36%

Run 1: Report of TCP Vegas — Data Link

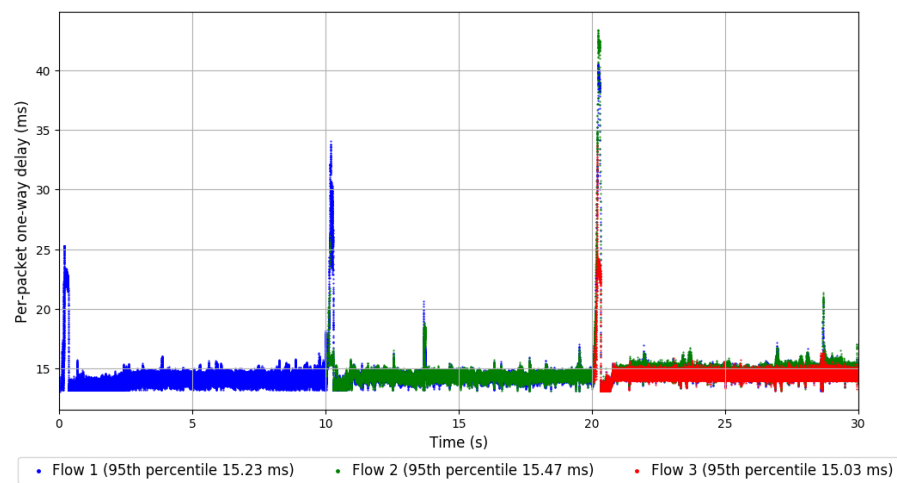
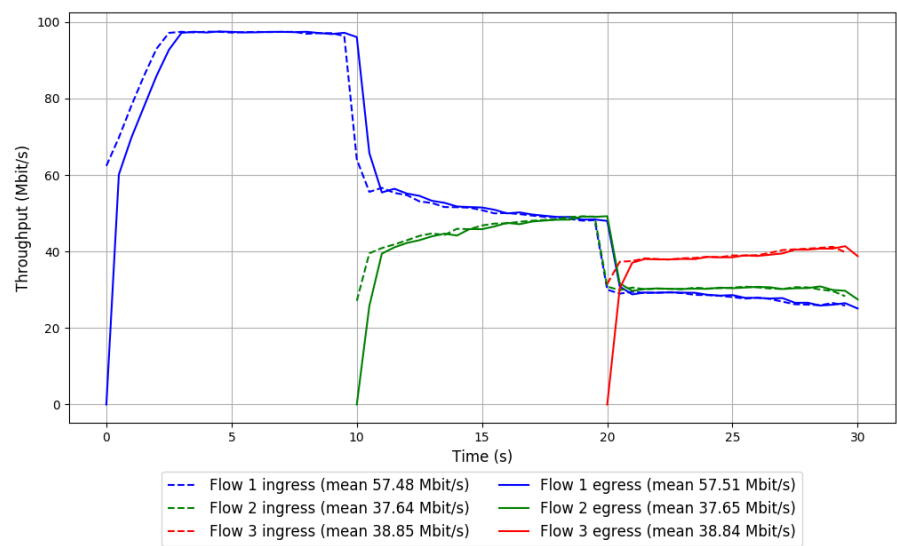


Run 2: Statistics of TCP Vegas

Start at: 2018-07-25 08:12:06
End at: 2018-07-25 08:12:36
Local clock offset: -2.319 ms
Remote clock offset: -10.29 ms

Below is generated by plot.py at 2018-07-25 11:26:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.47 Mbit/s
95th percentile per-packet one-way delay: 15.312 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.51 Mbit/s
95th percentile per-packet one-way delay: 15.228 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 37.65 Mbit/s
95th percentile per-packet one-way delay: 15.467 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 38.84 Mbit/s
95th percentile per-packet one-way delay: 15.033 ms
Loss rate: 0.30%

Run 2: Report of TCP Vegas — Data Link

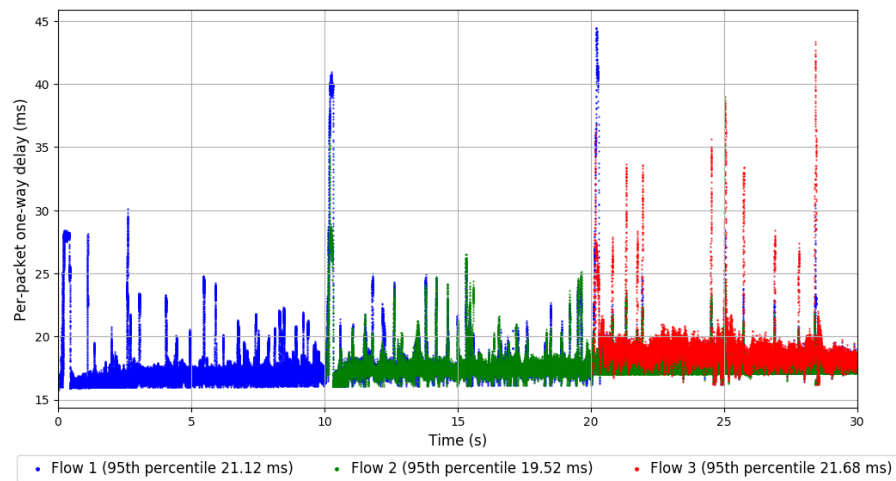
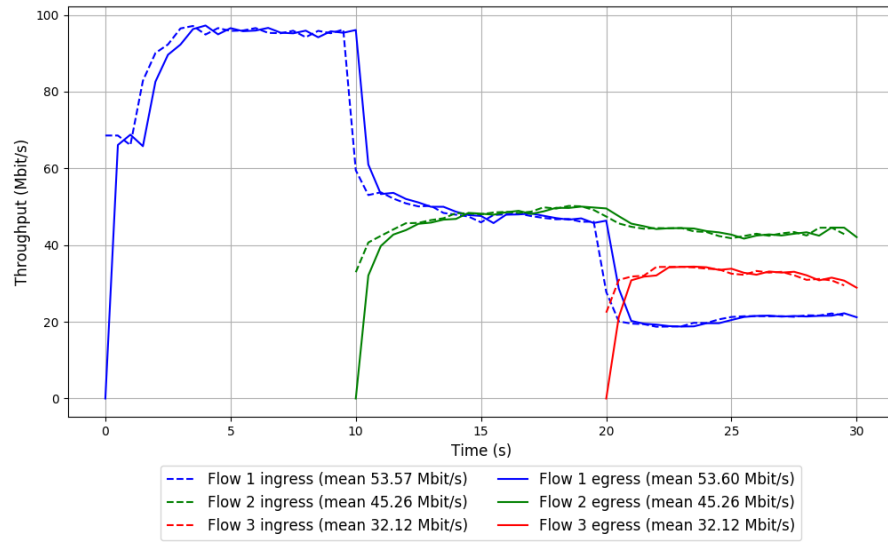


Run 3: Statistics of TCP Vegas

Start at: 2018-07-25 08:32:46
End at: 2018-07-25 08:33:16
Local clock offset: -0.666 ms
Remote clock offset: -9.591 ms

Below is generated by plot.py at 2018-07-25 11:26:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 20.535 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 53.60 Mbit/s
95th percentile per-packet one-way delay: 21.122 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 45.26 Mbit/s
95th percentile per-packet one-way delay: 19.516 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 32.12 Mbit/s
95th percentile per-packet one-way delay: 21.678 ms
Loss rate: 0.26%

Run 3: Report of TCP Vegas — Data Link

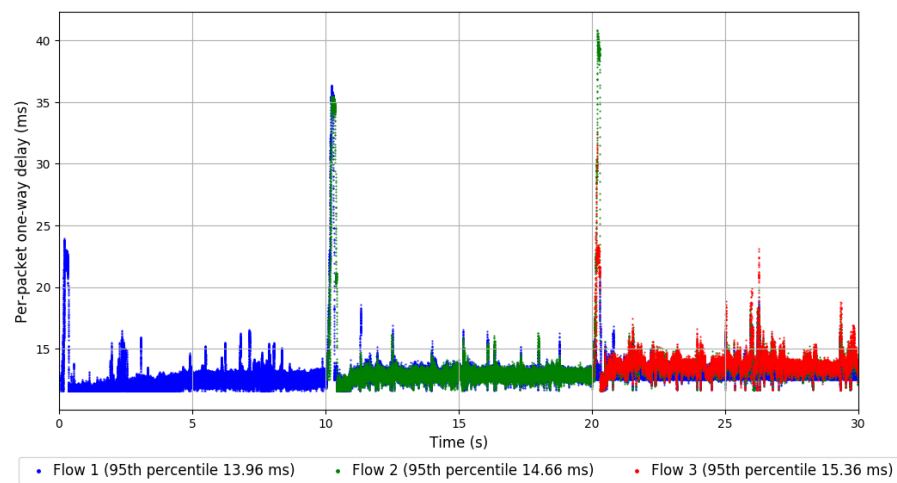
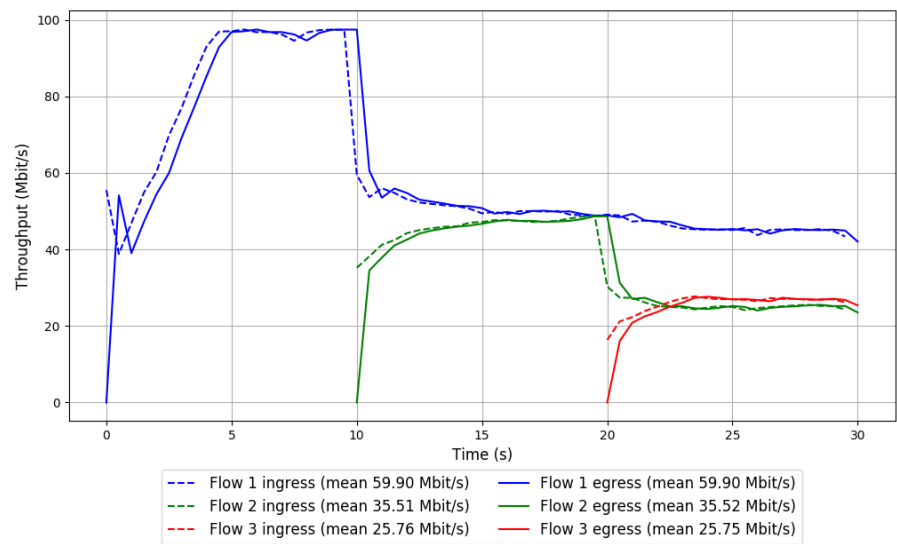


Run 4: Statistics of TCP Vegas

Start at: 2018-07-25 08:53:59
End at: 2018-07-25 08:54:29
Local clock offset: -1.928 ms
Remote clock offset: -1.833 ms

Below is generated by plot.py at 2018-07-25 11:26:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.09 Mbit/s
95th percentile per-packet one-way delay: 14.467 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.90 Mbit/s
95th percentile per-packet one-way delay: 13.957 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 35.52 Mbit/s
95th percentile per-packet one-way delay: 14.664 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 25.75 Mbit/s
95th percentile per-packet one-way delay: 15.360 ms
Loss rate: 0.30%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-25 09:14:49

End at: 2018-07-25 09:15:19

Local clock offset: 0.378 ms

Remote clock offset: 1.614 ms

Below is generated by plot.py at 2018-07-25 11:26:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.29 Mbit/s

95th percentile per-packet one-way delay: 16.084 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 58.66 Mbit/s

95th percentile per-packet one-way delay: 15.957 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 38.58 Mbit/s

95th percentile per-packet one-way delay: 16.009 ms

Loss rate: 0.12%

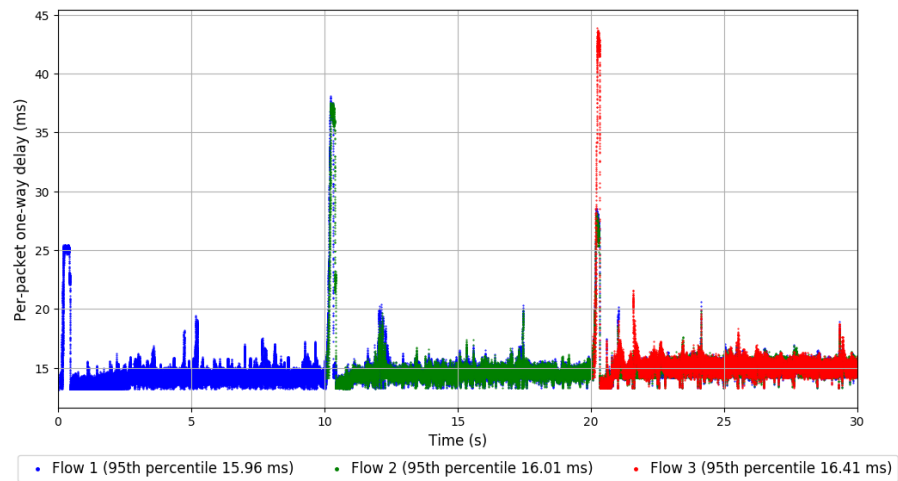
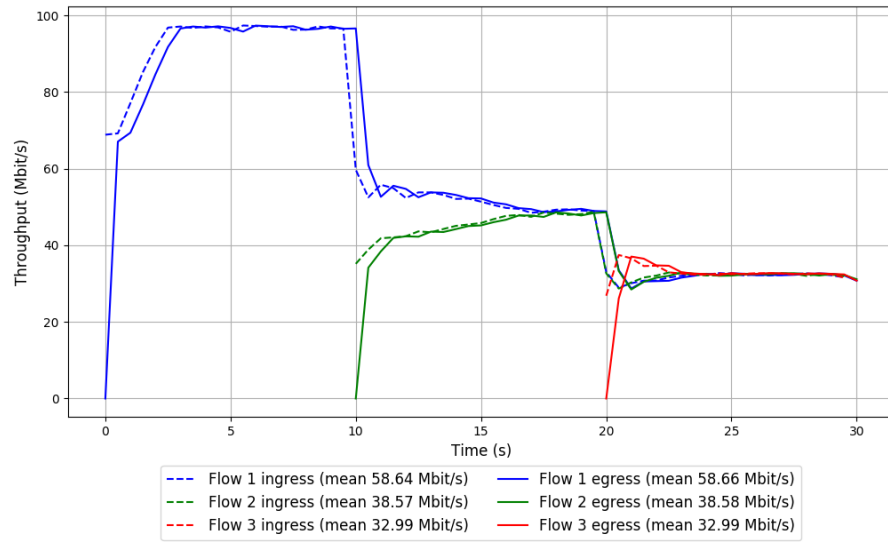
-- Flow 3:

Average throughput: 32.99 Mbit/s

95th percentile per-packet one-way delay: 16.409 ms

Loss rate: 0.28%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-25 09:36:15

End at: 2018-07-25 09:36:45

Local clock offset: -0.457 ms

Remote clock offset: 4.613 ms

Below is generated by plot.py at 2018-07-25 11:26:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.10 Mbit/s

95th percentile per-packet one-way delay: 14.487 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 25.58 Mbit/s

95th percentile per-packet one-way delay: 14.433 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 35.44 Mbit/s

95th percentile per-packet one-way delay: 14.676 ms

Loss rate: 0.13%

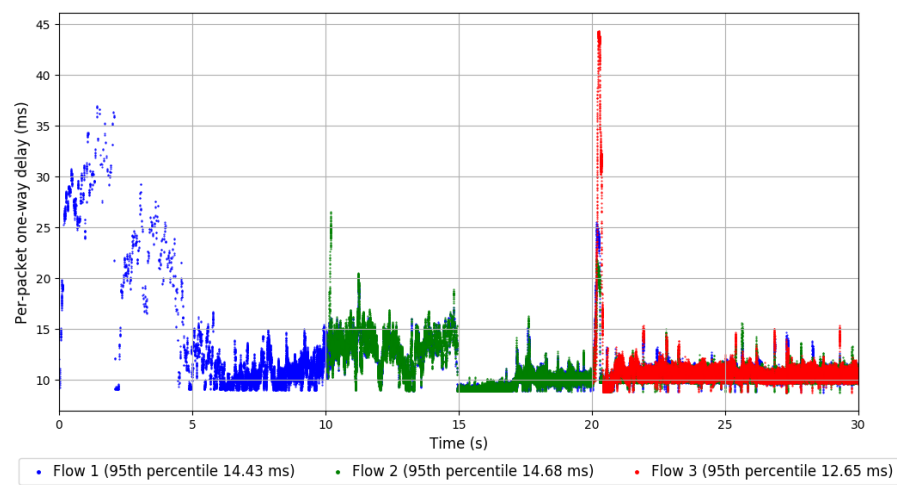
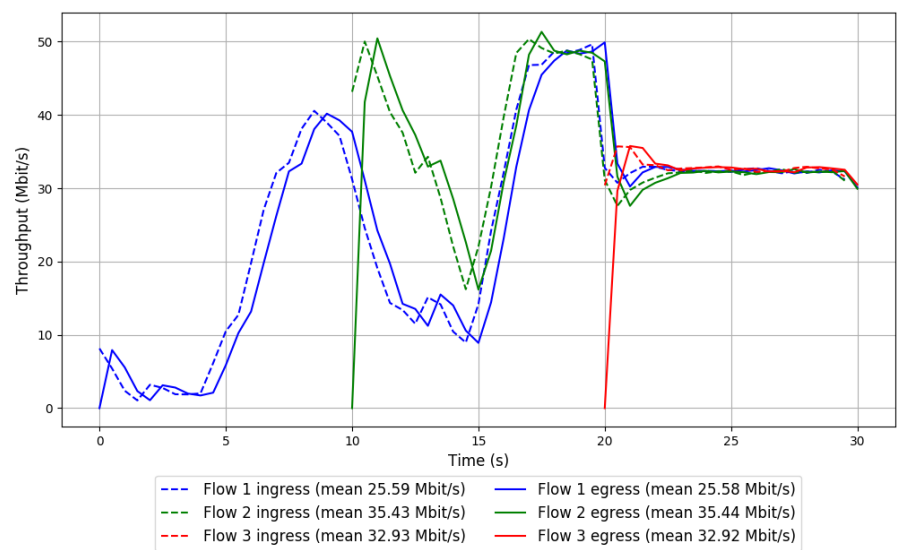
-- Flow 3:

Average throughput: 32.92 Mbit/s

95th percentile per-packet one-way delay: 12.649 ms

Loss rate: 0.29%

Run 6: Report of TCP Vegas — Data Link

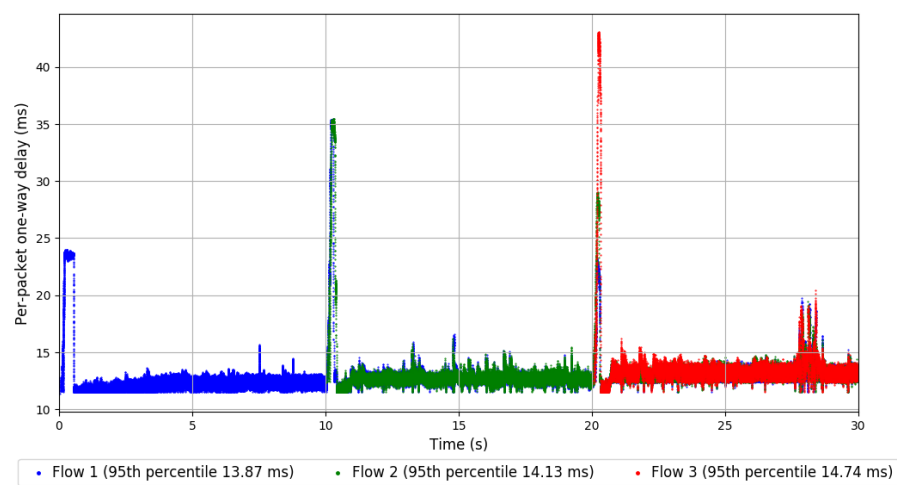
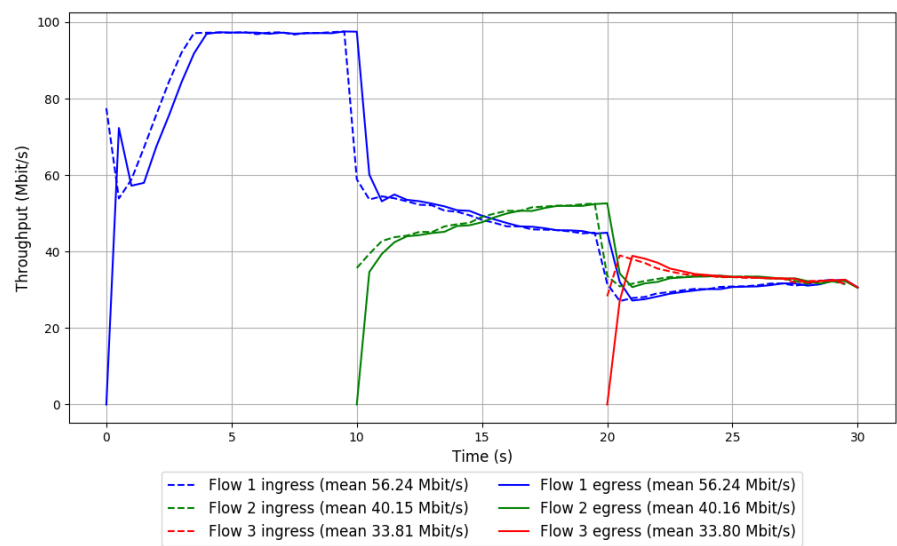


Run 7: Statistics of TCP Vegas

Start at: 2018-07-25 09:56:40
End at: 2018-07-25 09:57:10
Local clock offset: -0.422 ms
Remote clock offset: -4.317 ms

Below is generated by plot.py at 2018-07-25 11:26:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.19 Mbit/s
95th percentile per-packet one-way delay: 14.208 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.24 Mbit/s
95th percentile per-packet one-way delay: 13.874 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.16 Mbit/s
95th percentile per-packet one-way delay: 14.130 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 33.80 Mbit/s
95th percentile per-packet one-way delay: 14.741 ms
Loss rate: 0.26%

Run 7: Report of TCP Vegas — Data Link

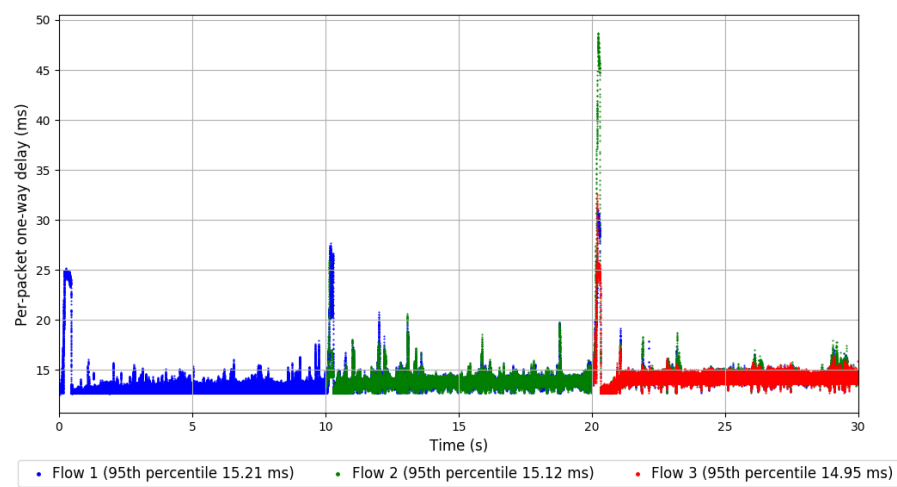
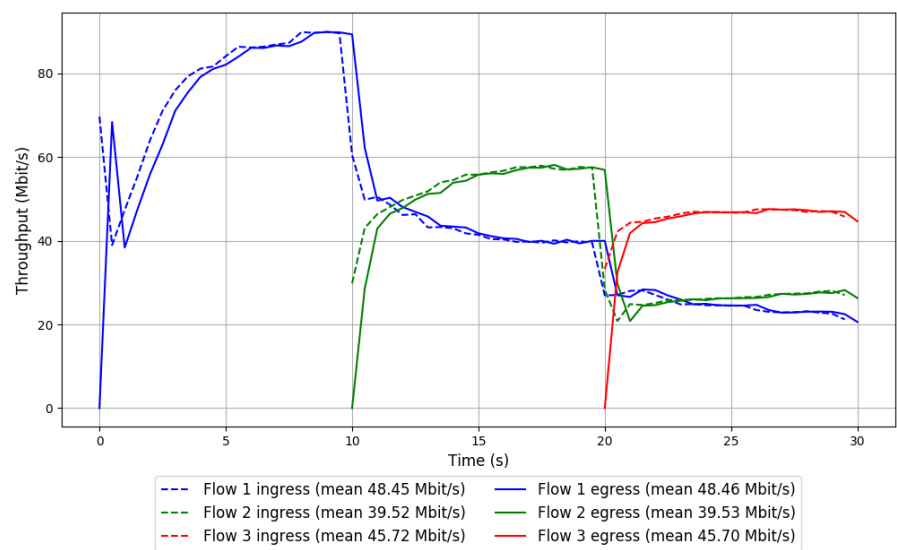


Run 8: Statistics of TCP Vegas

Start at: 2018-07-25 10:17:21
End at: 2018-07-25 10:17:51
Local clock offset: 1.28 ms
Remote clock offset: -1.866 ms

Below is generated by plot.py at 2018-07-25 11:26:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.96 Mbit/s
95th percentile per-packet one-way delay: 15.100 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 48.46 Mbit/s
95th percentile per-packet one-way delay: 15.211 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.53 Mbit/s
95th percentile per-packet one-way delay: 15.124 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 45.70 Mbit/s
95th percentile per-packet one-way delay: 14.950 ms
Loss rate: 0.28%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-25 10:37:59

End at: 2018-07-25 10:38:29

Local clock offset: 1.827 ms

Remote clock offset: -2.39 ms

Below is generated by plot.py at 2018-07-25 11:26:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.67 Mbit/s

95th percentile per-packet one-way delay: 23.244 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 56.69 Mbit/s

95th percentile per-packet one-way delay: 23.361 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 36.13 Mbit/s

95th percentile per-packet one-way delay: 22.065 ms

Loss rate: 0.12%

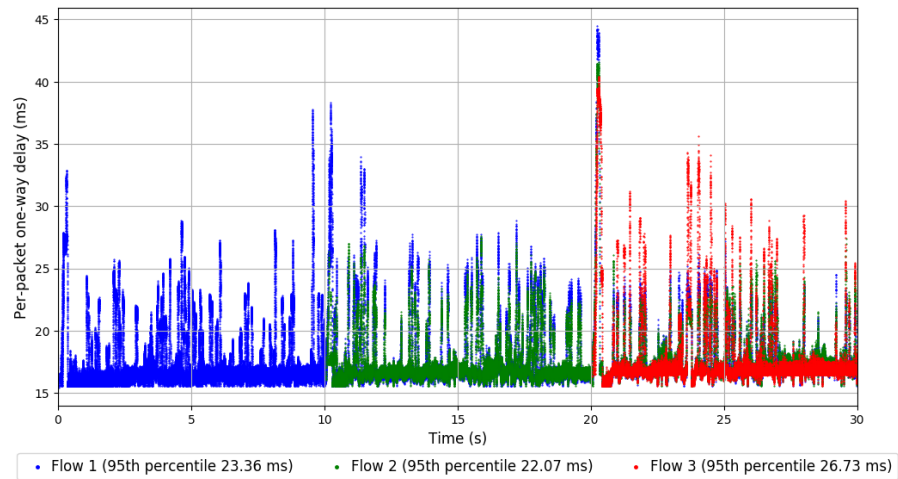
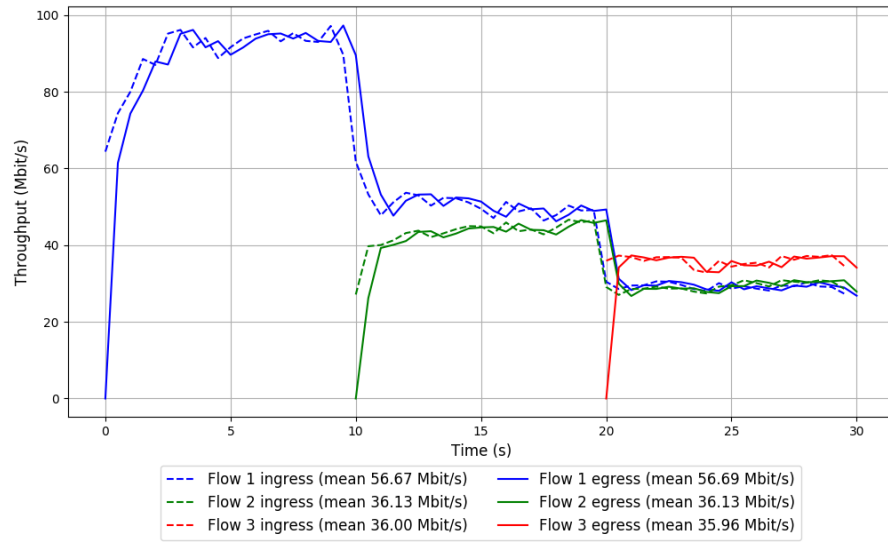
-- Flow 3:

Average throughput: 35.96 Mbit/s

95th percentile per-packet one-way delay: 26.730 ms

Loss rate: 0.36%

Run 9: Report of TCP Vegas — Data Link

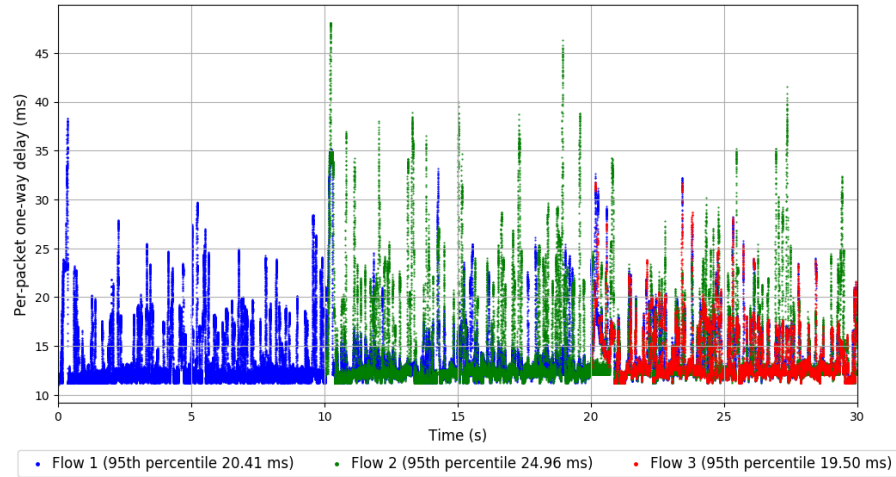
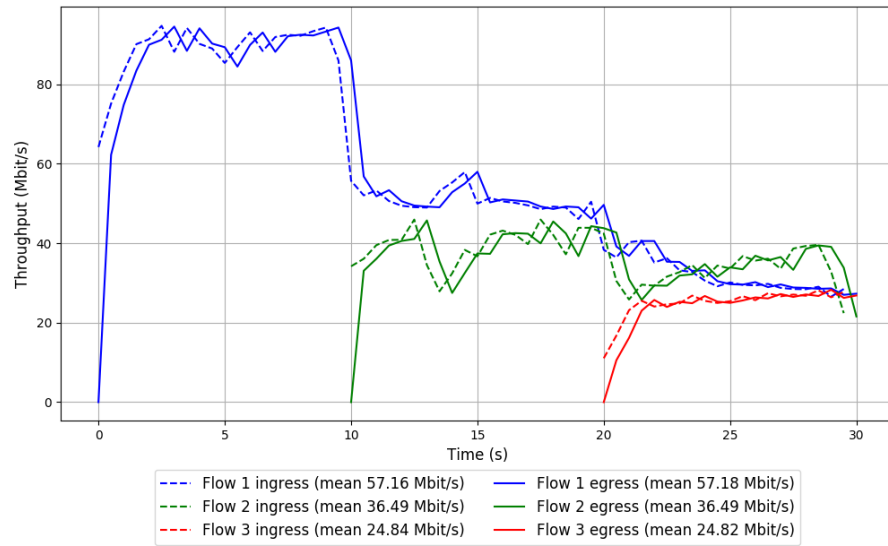


Run 10: Statistics of TCP Vegas

Start at: 2018-07-25 10:58:22
End at: 2018-07-25 10:58:52
Local clock offset: -0.255 ms
Remote clock offset: -1.702 ms

Below is generated by plot.py at 2018-07-25 11:26:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.71 Mbit/s
95th percentile per-packet one-way delay: 22.006 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 57.18 Mbit/s
95th percentile per-packet one-way delay: 20.409 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.49 Mbit/s
95th percentile per-packet one-way delay: 24.964 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: 19.496 ms
Loss rate: 0.34%

Run 10: Report of TCP Vegas — Data Link

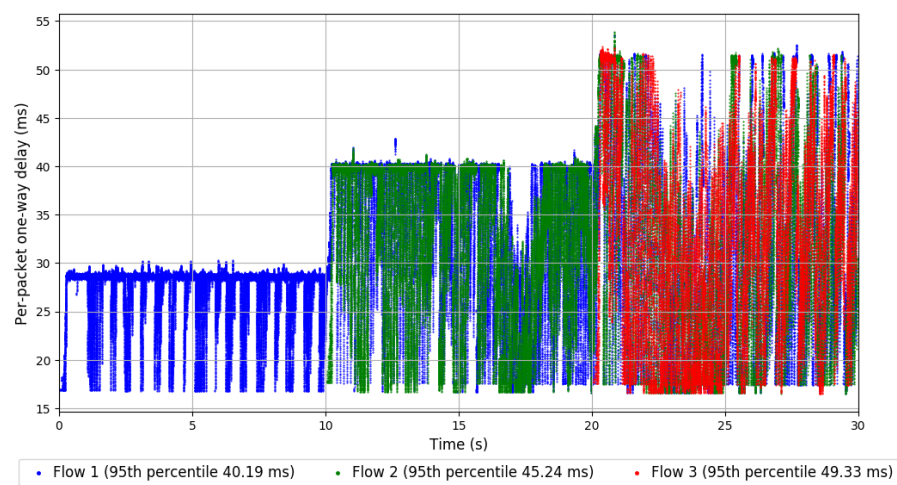
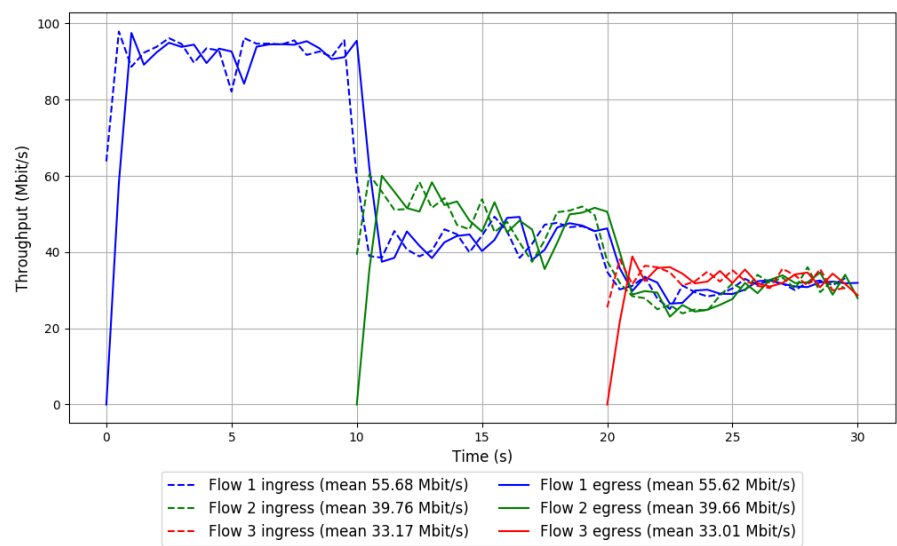


Run 1: Statistics of Verus

Start at: 2018-07-25 07:52:25
End at: 2018-07-25 07:52:55
Local clock offset: -0.833 ms
Remote clock offset: -4.837 ms

Below is generated by plot.py at 2018-07-25 11:26:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.96 Mbit/s
95th percentile per-packet one-way delay: 43.821 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 55.62 Mbit/s
95th percentile per-packet one-way delay: 40.190 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 39.66 Mbit/s
95th percentile per-packet one-way delay: 45.236 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 33.01 Mbit/s
95th percentile per-packet one-way delay: 49.326 ms
Loss rate: 0.72%

Run 1: Report of Verus — Data Link

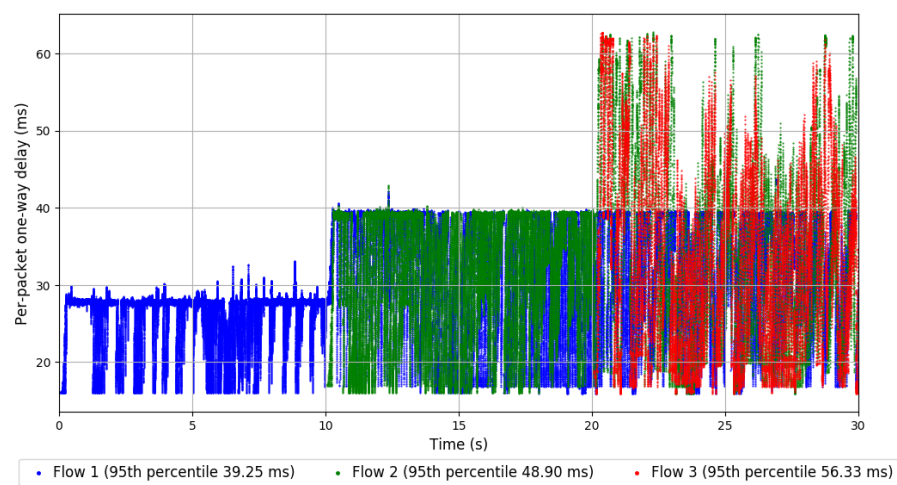
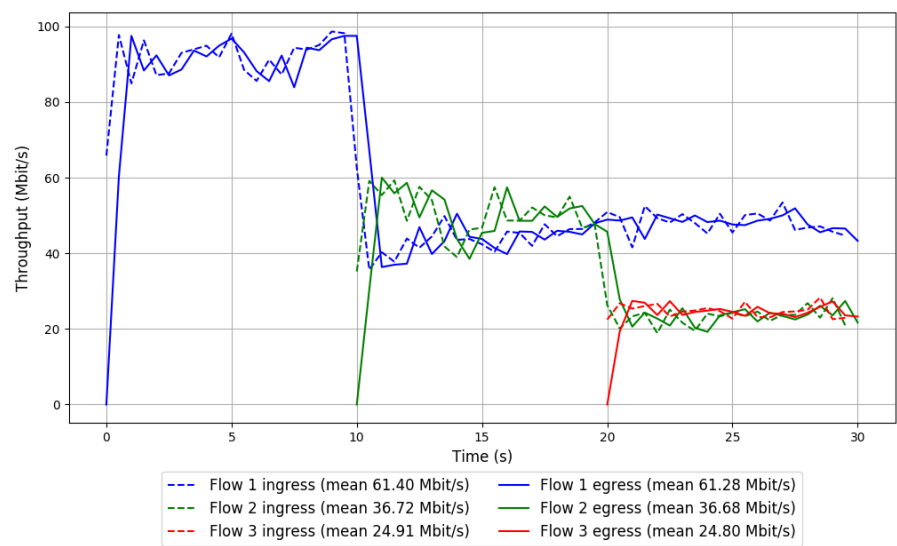


Run 2: Statistics of Verus

Start at: 2018-07-25 08:13:19
End at: 2018-07-25 08:13:49
Local clock offset: -0.896 ms
Remote clock offset: -11.905 ms

Below is generated by plot.py at 2018-07-25 11:26:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 40.989 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 61.28 Mbit/s
95th percentile per-packet one-way delay: 39.247 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 36.68 Mbit/s
95th percentile per-packet one-way delay: 48.904 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 56.334 ms
Loss rate: 0.39%

Run 2: Report of Verus — Data Link

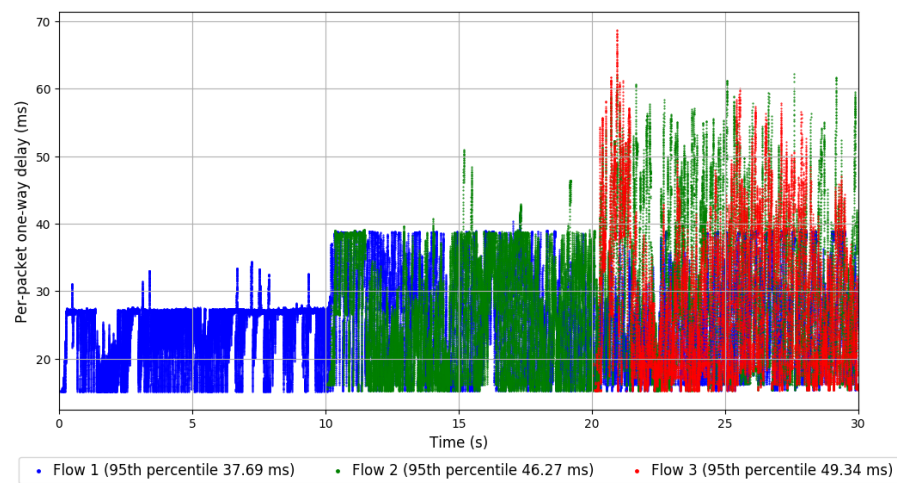
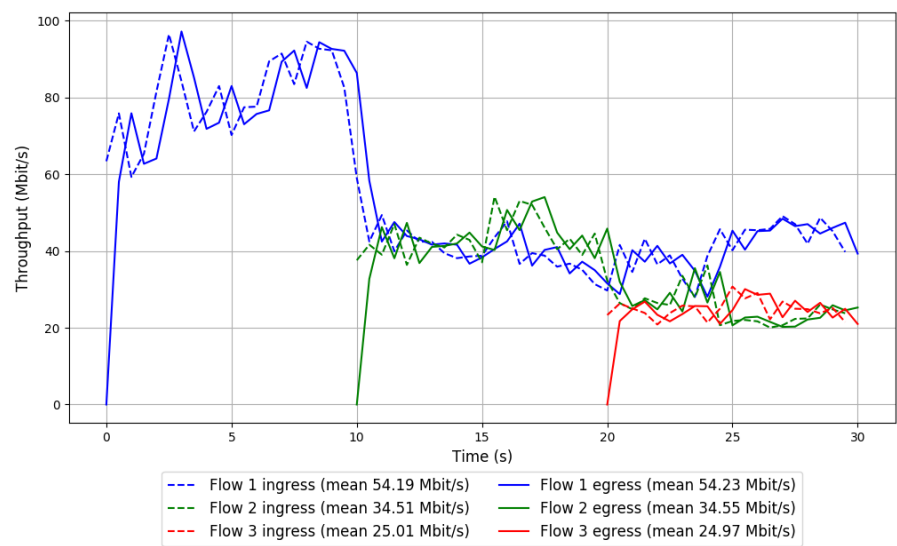


Run 3: Statistics of Verus

Start at: 2018-07-25 08:34:01
End at: 2018-07-25 08:34:31
Local clock offset: -1.805 ms
Remote clock offset: -9.265 ms

Below is generated by plot.py at 2018-07-25 11:27:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.45 Mbit/s
95th percentile per-packet one-way delay: 38.871 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 54.23 Mbit/s
95th percentile per-packet one-way delay: 37.691 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 34.55 Mbit/s
95th percentile per-packet one-way delay: 46.270 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 24.97 Mbit/s
95th percentile per-packet one-way delay: 49.338 ms
Loss rate: 0.44%

Run 3: Report of Verus — Data Link

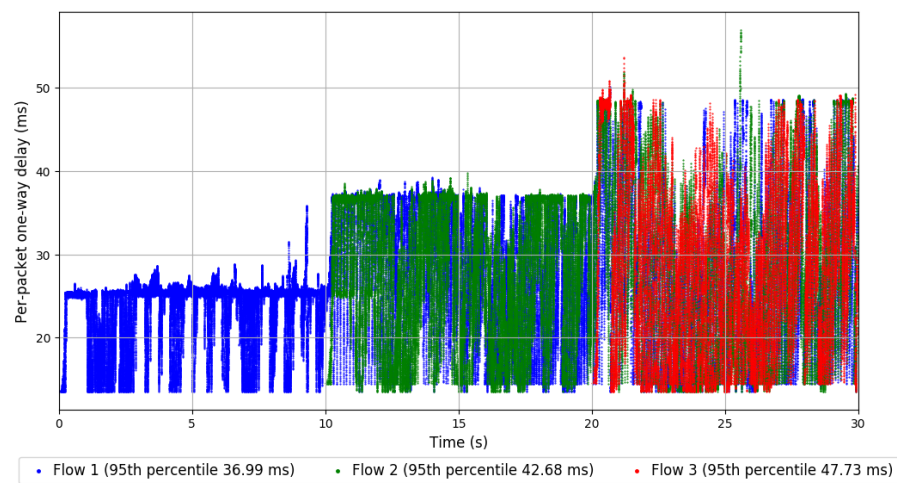
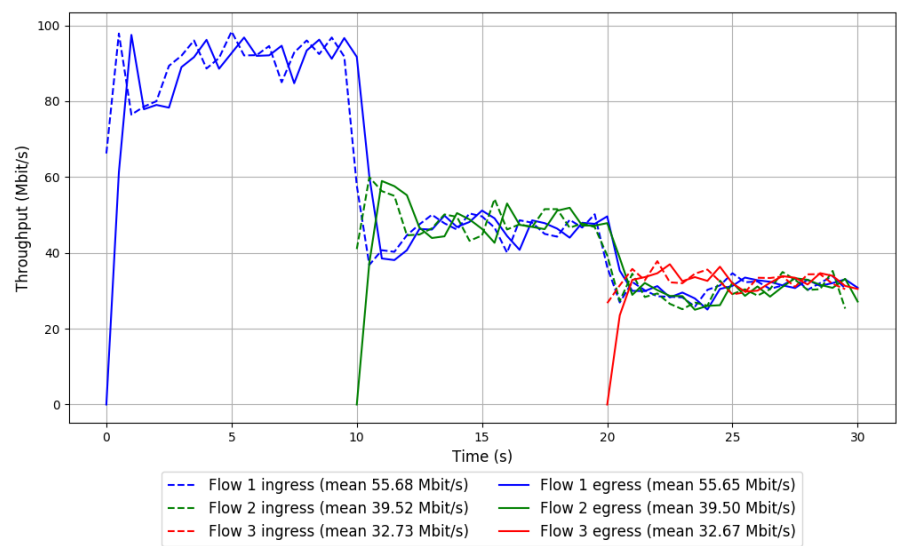


Run 4: Statistics of Verus

Start at: 2018-07-25 08:55:15
End at: 2018-07-25 08:55:45
Local clock offset: -0.092 ms
Remote clock offset: -1.799 ms

Below is generated by plot.py at 2018-07-25 11:27:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.81 Mbit/s
95th percentile per-packet one-way delay: 40.618 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 55.65 Mbit/s
95th percentile per-packet one-way delay: 36.995 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 39.50 Mbit/s
95th percentile per-packet one-way delay: 42.680 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 32.67 Mbit/s
95th percentile per-packet one-way delay: 47.728 ms
Loss rate: 0.40%

Run 4: Report of Verus — Data Link

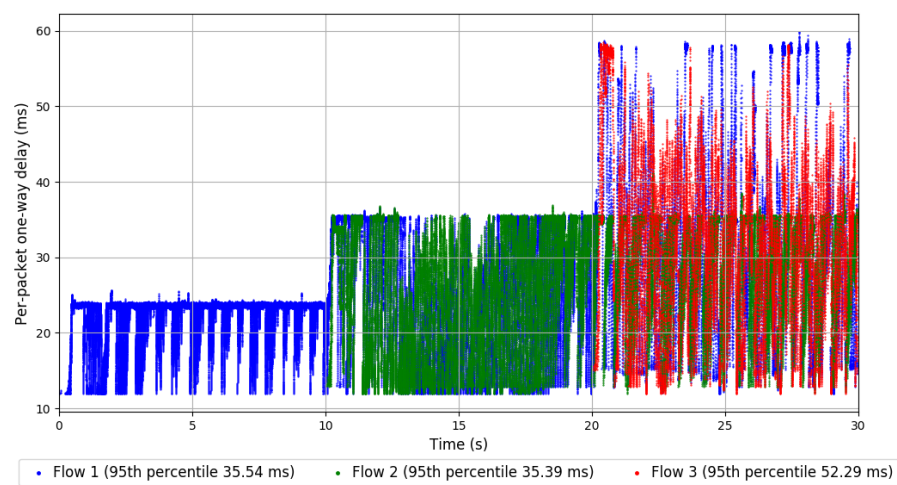
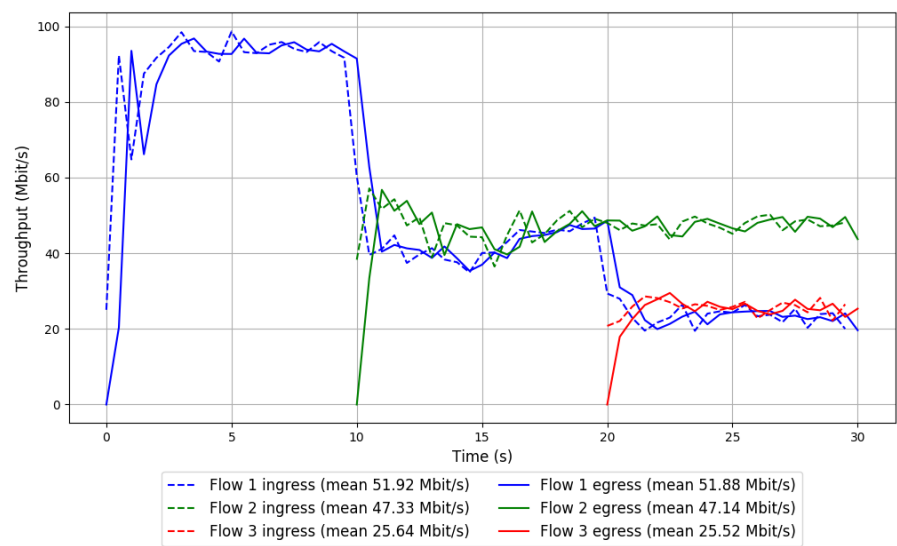


Run 5: Statistics of Verus

Start at: 2018-07-25 09:16:01
End at: 2018-07-25 09:16:31
Local clock offset: -1.589 ms
Remote clock offset: 1.052 ms

Below is generated by plot.py at 2018-07-25 11:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 37.964 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 51.88 Mbit/s
95th percentile per-packet one-way delay: 35.543 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 47.14 Mbit/s
95th percentile per-packet one-way delay: 35.392 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 25.52 Mbit/s
95th percentile per-packet one-way delay: 52.287 ms
Loss rate: 0.78%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-25 09:37:26

End at: 2018-07-25 09:37:56

Local clock offset: -0.871 ms

Remote clock offset: 2.374 ms

Below is generated by plot.py at 2018-07-25 11:27:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.92 Mbit/s

95th percentile per-packet one-way delay: 39.099 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 49.47 Mbit/s

95th percentile per-packet one-way delay: 33.332 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 39.74 Mbit/s

95th percentile per-packet one-way delay: 41.822 ms

Loss rate: 0.33%

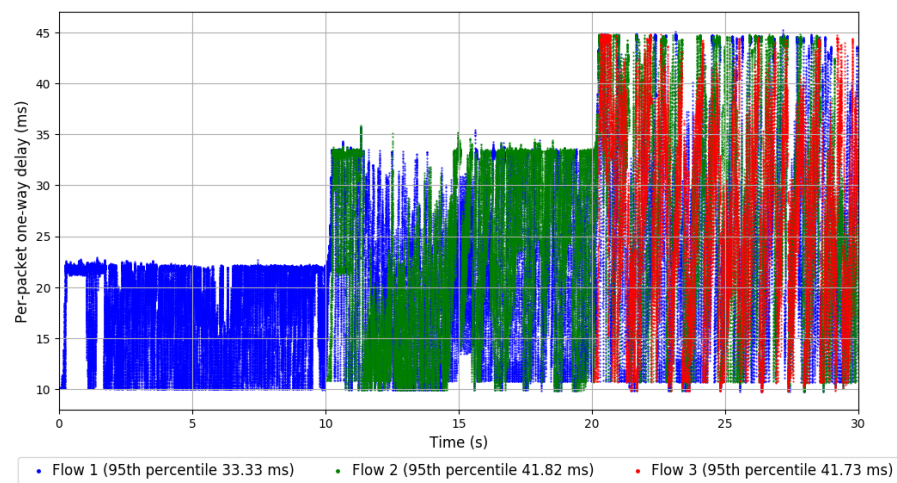
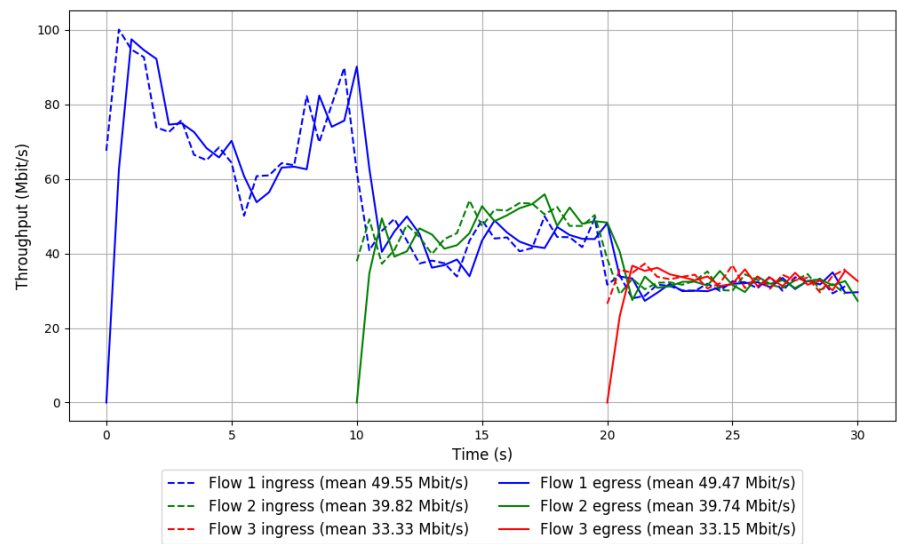
-- Flow 3:

Average throughput: 33.15 Mbit/s

95th percentile per-packet one-way delay: 41.733 ms

Loss rate: 0.82%

Run 6: Report of Verus — Data Link

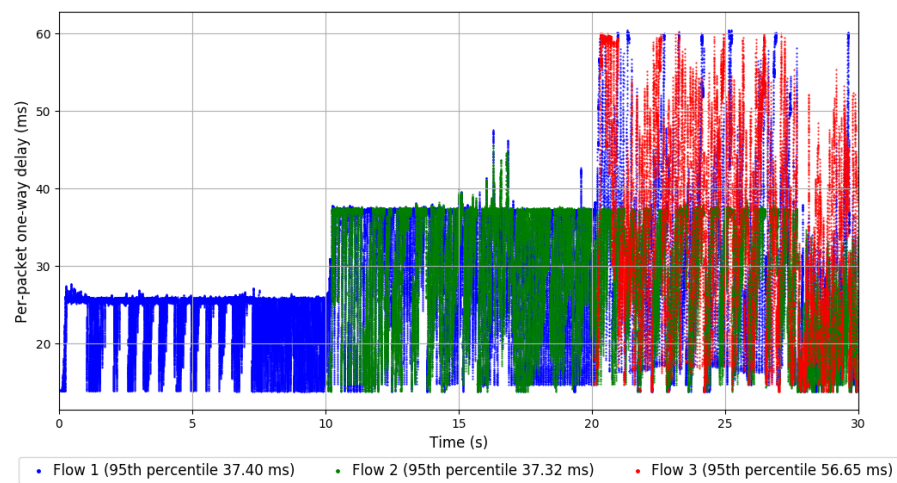
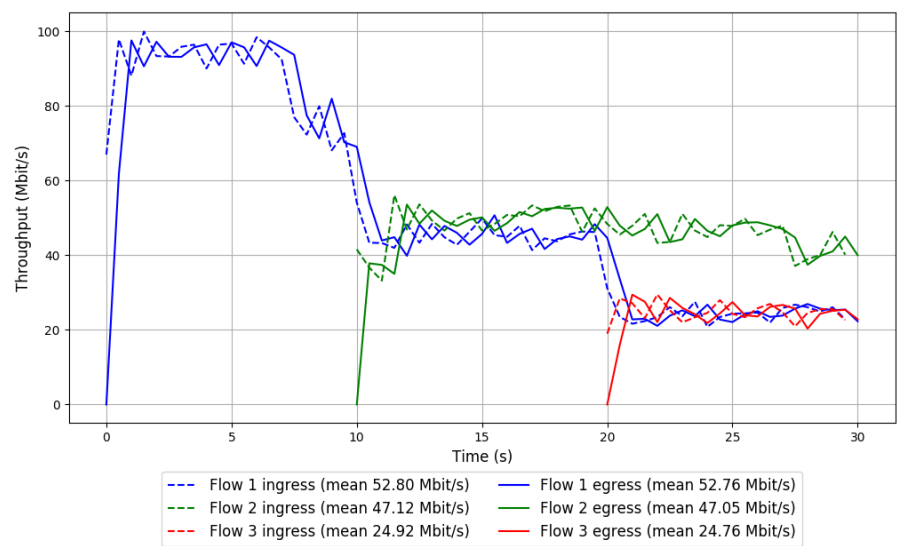


Run 7: Statistics of Verus

Start at: 2018-07-25 09:57:53
End at: 2018-07-25 09:58:23
Local clock offset: 1.776 ms
Remote clock offset: -4.606 ms

Below is generated by plot.py at 2018-07-25 11:27:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.28 Mbit/s
95th percentile per-packet one-way delay: 41.005 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 52.76 Mbit/s
95th percentile per-packet one-way delay: 37.397 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 47.05 Mbit/s
95th percentile per-packet one-way delay: 37.320 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 56.652 ms
Loss rate: 0.66%

Run 7: Report of Verus — Data Link

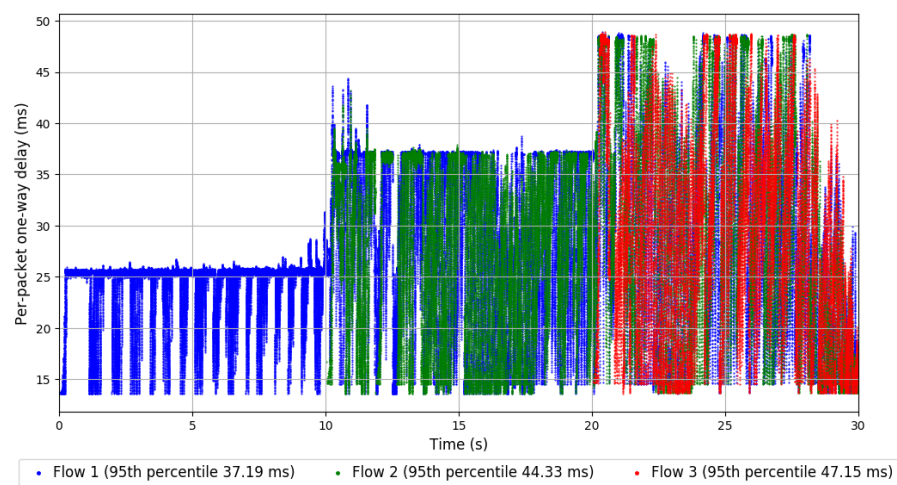
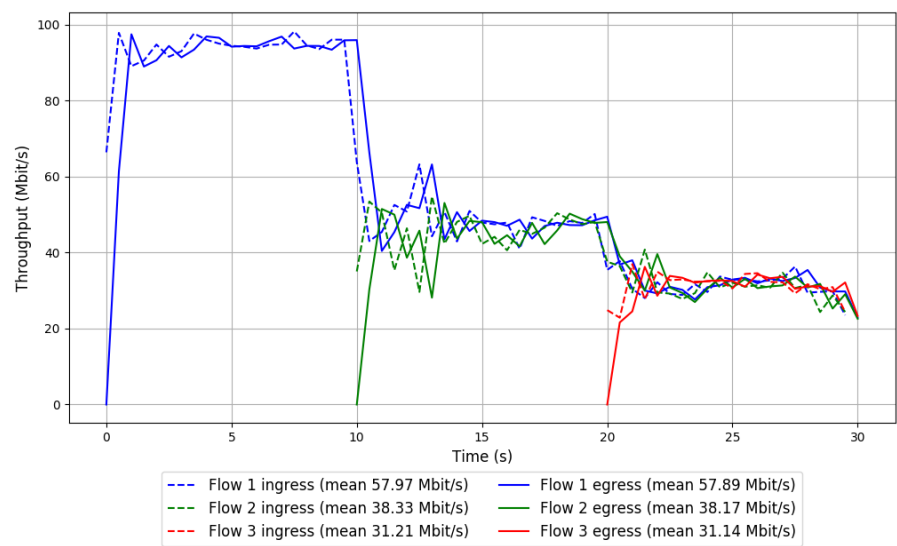


Run 8: Statistics of Verus

Start at: 2018-07-25 10:18:31
End at: 2018-07-25 10:19:01
Local clock offset: 1.964 ms
Remote clock offset: -1.952 ms

Below is generated by plot.py at 2018-07-25 11:27:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.61 Mbit/s
95th percentile per-packet one-way delay: 41.366 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 57.89 Mbit/s
95th percentile per-packet one-way delay: 37.192 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 38.17 Mbit/s
95th percentile per-packet one-way delay: 44.329 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 31.14 Mbit/s
95th percentile per-packet one-way delay: 47.145 ms
Loss rate: 0.46%

Run 8: Report of Verus — Data Link

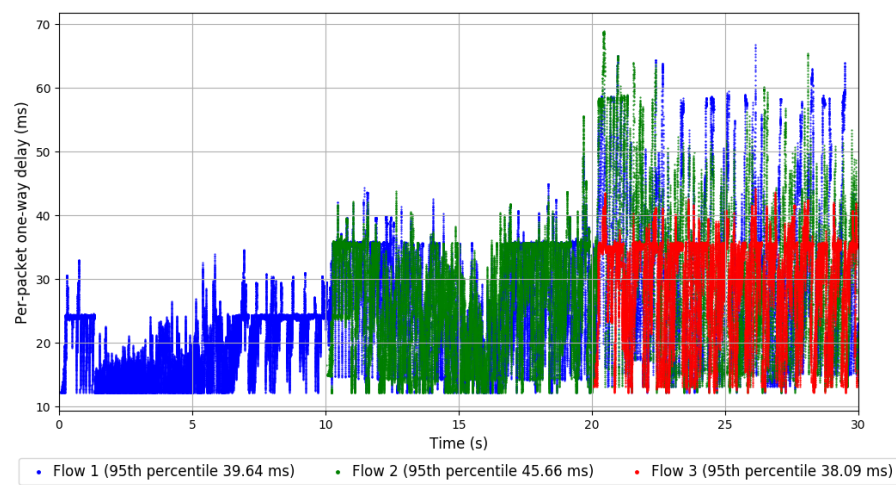
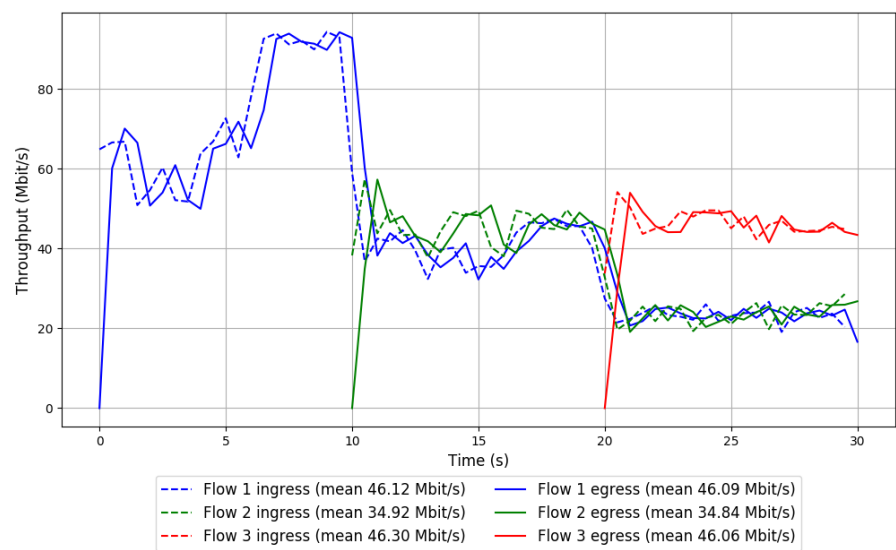


Run 9: Statistics of Verus

Start at: 2018-07-25 10:39:10
End at: 2018-07-25 10:39:40
Local clock offset: -5.996 ms
Remote clock offset: -6.798 ms

Below is generated by plot.py at 2018-07-25 11:27:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.54 Mbit/s
95th percentile per-packet one-way delay: 40.712 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 46.09 Mbit/s
95th percentile per-packet one-way delay: 39.637 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 34.84 Mbit/s
95th percentile per-packet one-way delay: 45.656 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 46.06 Mbit/s
95th percentile per-packet one-way delay: 38.092 ms
Loss rate: 0.79%

Run 9: Report of Verus — Data Link

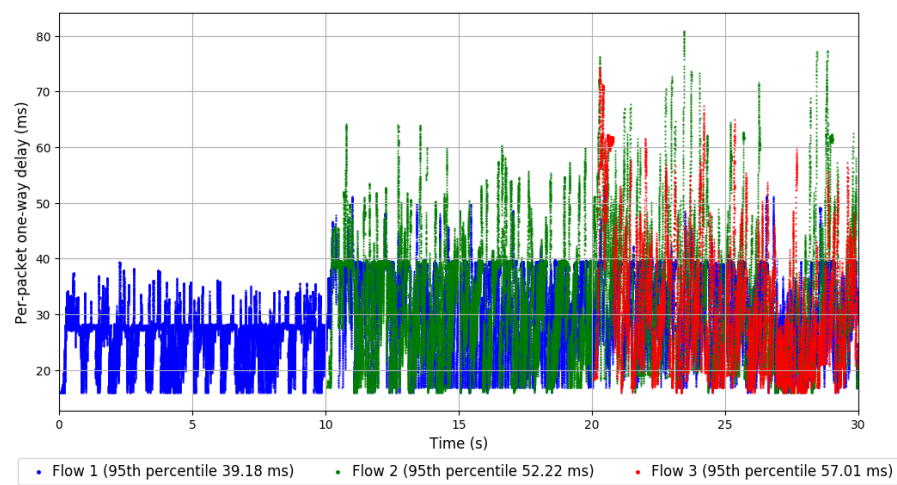
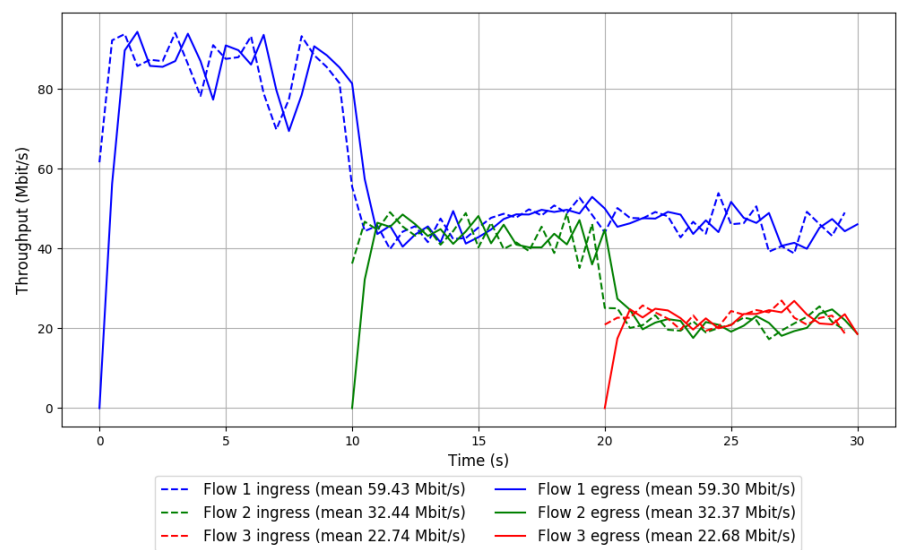


Run 10: Statistics of Verus

Start at: 2018-07-25 10:59:32
End at: 2018-07-25 11:00:02
Local clock offset: 2.305 ms
Remote clock offset: -3.967 ms

Below is generated by plot.py at 2018-07-25 11:27:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.38 Mbit/s
95th percentile per-packet one-way delay: 43.900 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 59.30 Mbit/s
95th percentile per-packet one-way delay: 39.178 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 32.37 Mbit/s
95th percentile per-packet one-way delay: 52.224 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 22.68 Mbit/s
95th percentile per-packet one-way delay: 57.011 ms
Loss rate: 0.50%

Run 10: Report of Verus — Data Link

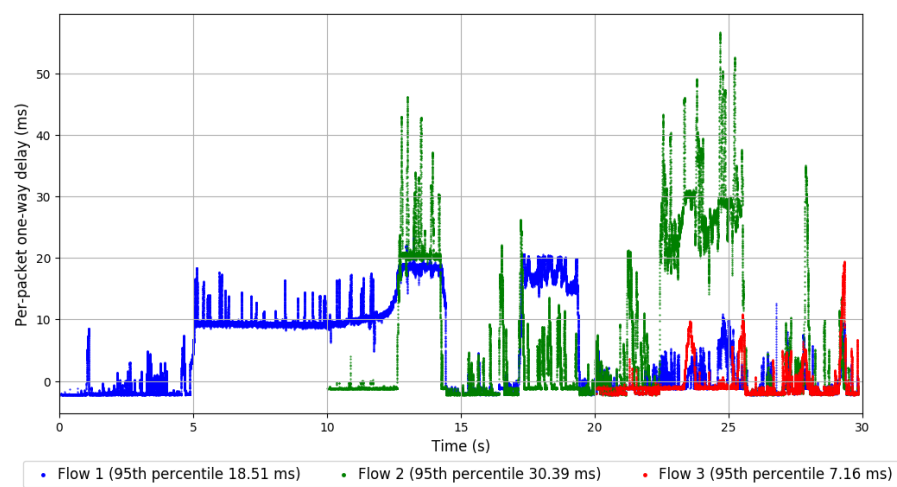
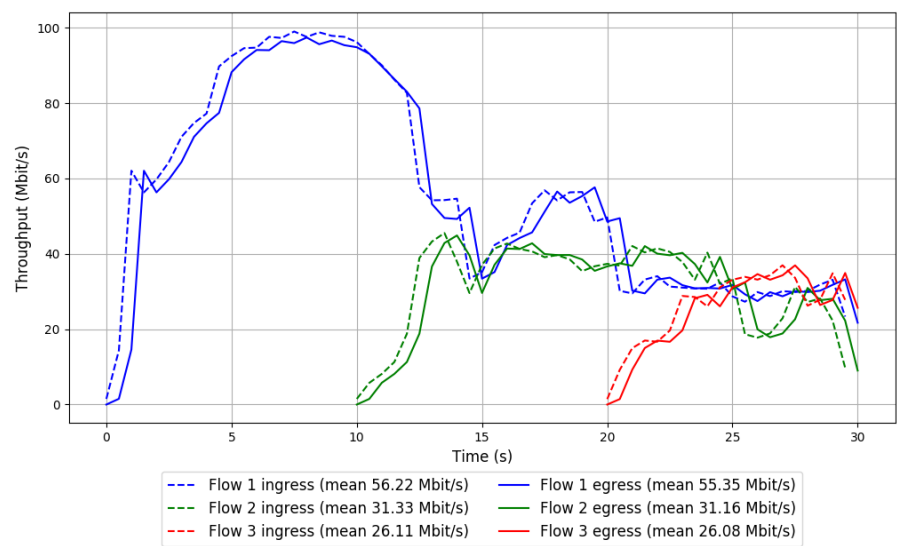


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-25 07:35:36
End at: 2018-07-25 07:36:06
Local clock offset: 2.93 ms
Remote clock offset: 17.166 ms

Below is generated by plot.py at 2018-07-25 11:28:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.66 Mbit/s
95th percentile per-packet one-way delay: 20.877 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 55.35 Mbit/s
95th percentile per-packet one-way delay: 18.509 ms
Loss rate: 1.64%
-- Flow 2:
Average throughput: 31.16 Mbit/s
95th percentile per-packet one-way delay: 30.386 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 26.08 Mbit/s
95th percentile per-packet one-way delay: 7.159 ms
Loss rate: 0.39%

Run 1: Report of PCC-Vivace — Data Link

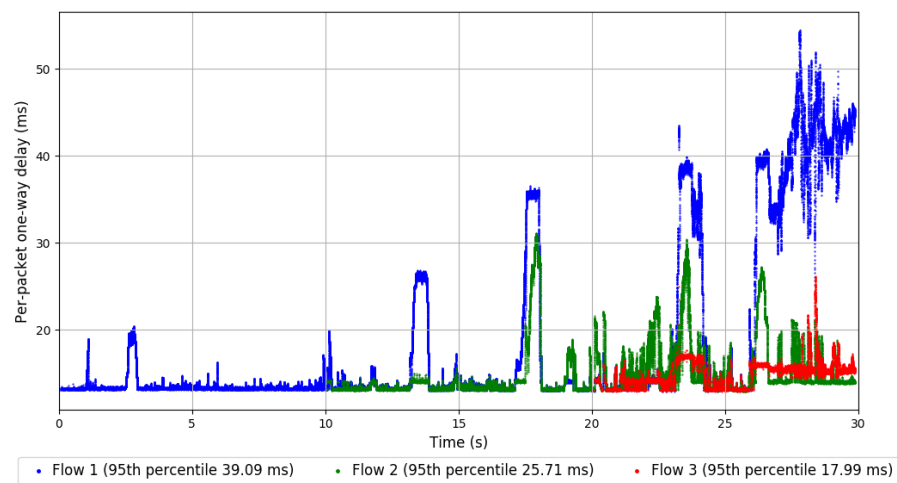
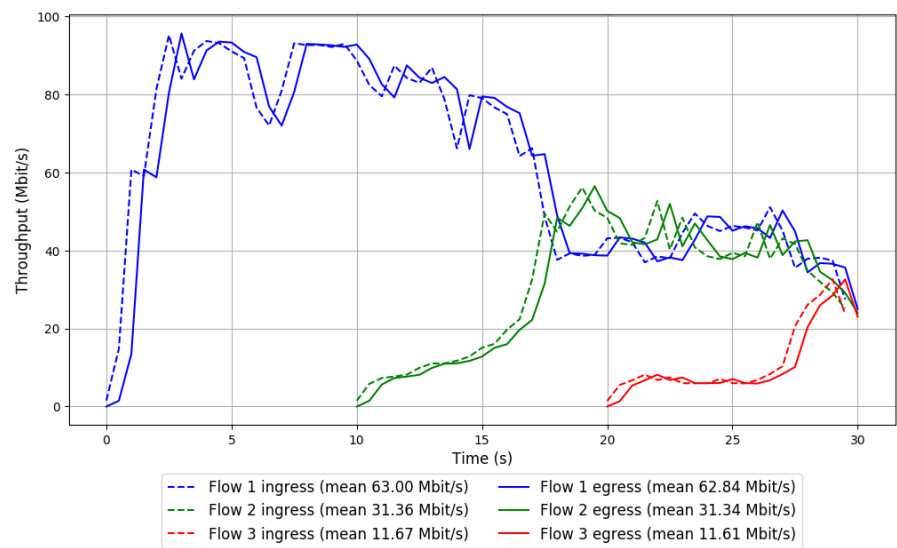


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-25 07:57:29
End at: 2018-07-25 07:57:59
Local clock offset: -2.42 ms
Remote clock offset: -5.611 ms

Below is generated by plot.py at 2018-07-25 11:28:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.51 Mbit/s
95th percentile per-packet one-way delay: 36.717 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 62.84 Mbit/s
95th percentile per-packet one-way delay: 39.091 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 31.34 Mbit/s
95th percentile per-packet one-way delay: 25.713 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 11.61 Mbit/s
95th percentile per-packet one-way delay: 17.993 ms
Loss rate: 0.73%

Run 2: Report of PCC-Vivace — Data Link

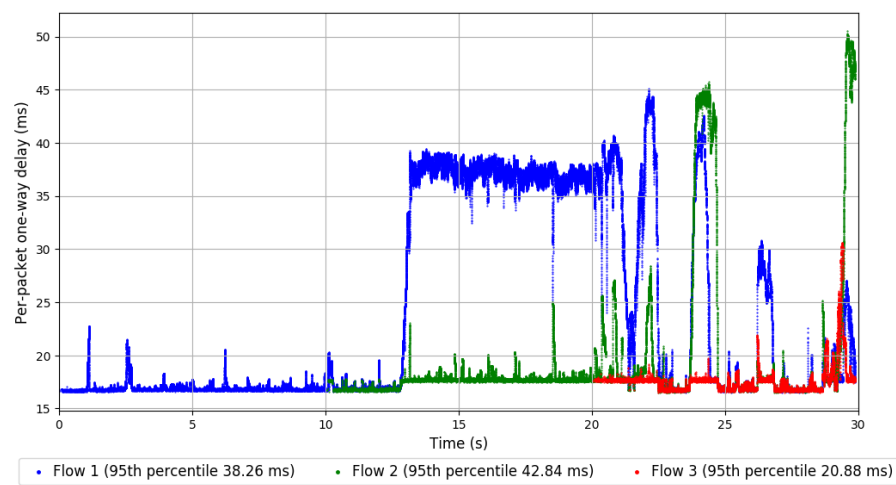
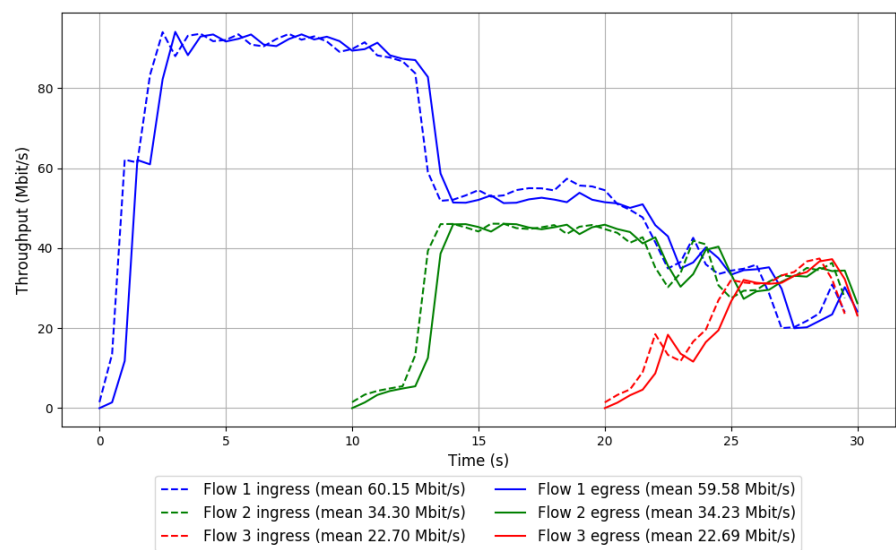


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-25 08:18:25
End at: 2018-07-25 08:18:55
Local clock offset: 1.972 ms
Remote clock offset: -10.671 ms

Below is generated by plot.py at 2018-07-25 11:28:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.81 Mbit/s
95th percentile per-packet one-way delay: 38.263 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 59.58 Mbit/s
95th percentile per-packet one-way delay: 38.262 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 34.23 Mbit/s
95th percentile per-packet one-way delay: 42.845 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 22.69 Mbit/s
95th percentile per-packet one-way delay: 20.883 ms
Loss rate: 0.38%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-25 08:39:00

End at: 2018-07-25 08:39:30

Local clock offset: -1.596 ms

Remote clock offset: 12.89 ms

Below is generated by plot.py at 2018-07-25 11:28:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.54 Mbit/s

95th percentile per-packet one-way delay: 26.264 ms

Loss rate: 1.72%

-- Flow 1:

Average throughput: 54.24 Mbit/s

95th percentile per-packet one-way delay: 6.679 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 29.40 Mbit/s

95th percentile per-packet one-way delay: 31.102 ms

Loss rate: 6.34%

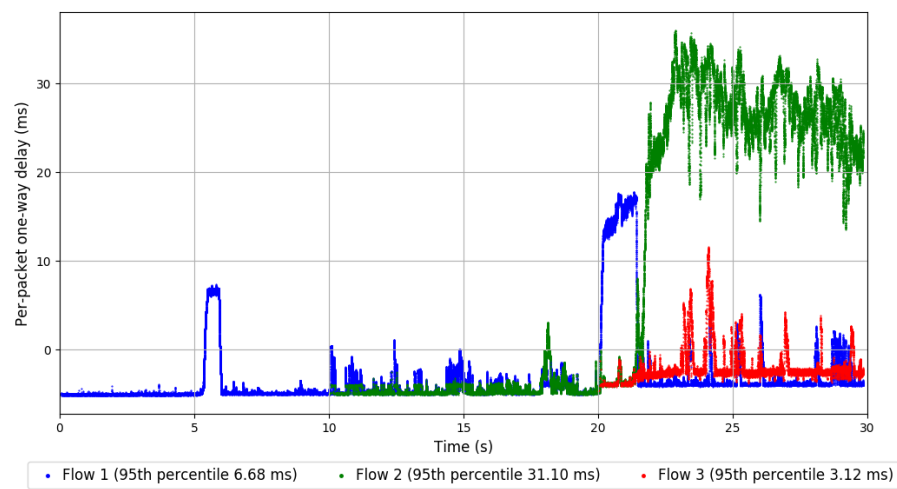
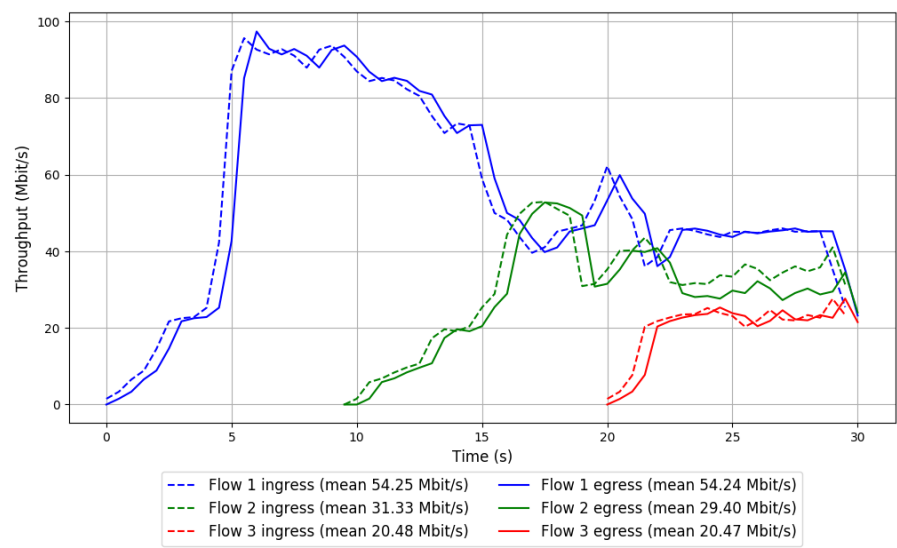
-- Flow 3:

Average throughput: 20.47 Mbit/s

95th percentile per-packet one-way delay: 3.118 ms

Loss rate: 0.43%

Run 4: Report of PCC-Vivace — Data Link

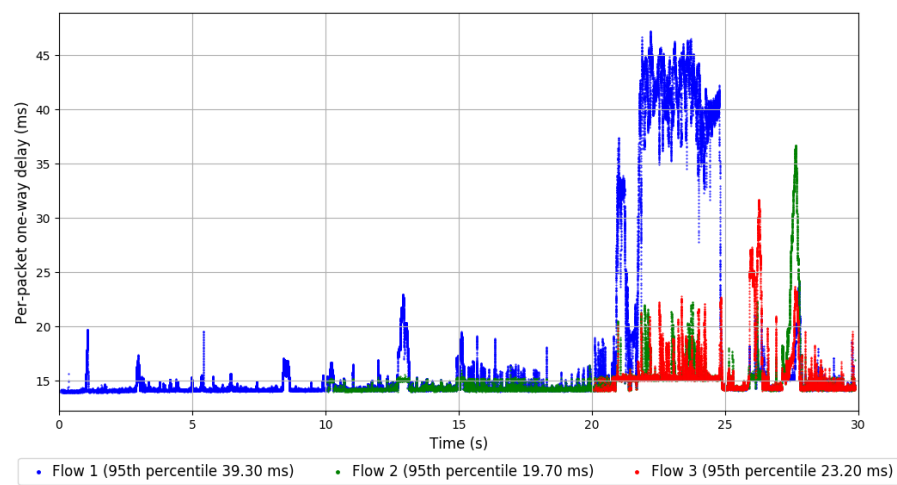
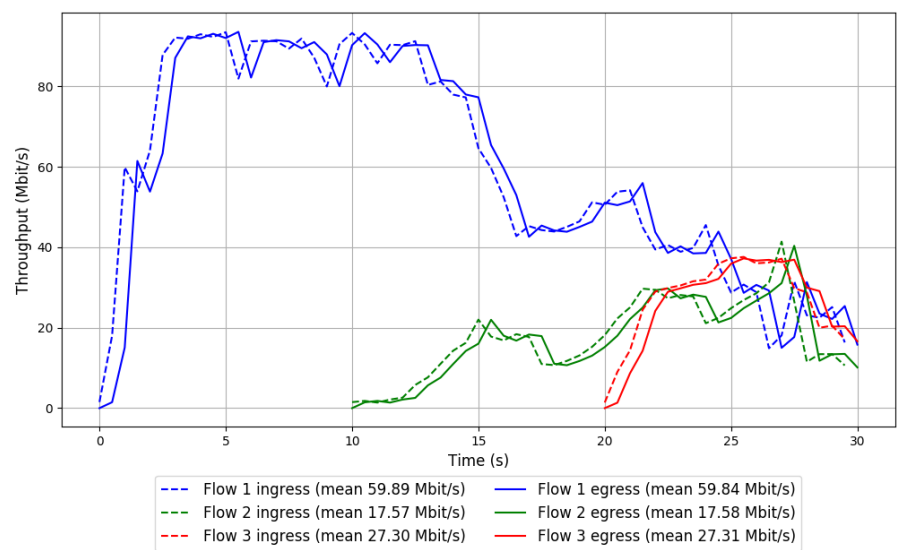


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-25 09:00:17
End at: 2018-07-25 09:00:47
Local clock offset: 0.78 ms
Remote clock offset: -0.931 ms

Below is generated by plot.py at 2018-07-25 11:28:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.52 Mbit/s
95th percentile per-packet one-way delay: 33.729 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 59.84 Mbit/s
95th percentile per-packet one-way delay: 39.298 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 17.58 Mbit/s
95th percentile per-packet one-way delay: 19.700 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 27.31 Mbit/s
95th percentile per-packet one-way delay: 23.202 ms
Loss rate: 0.22%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-25 09:21:38

End at: 2018-07-25 09:22:08

Local clock offset: 1.749 ms

Remote clock offset: 2.509 ms

Below is generated by plot.py at 2018-07-25 11:28:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.15 Mbit/s

95th percentile per-packet one-way delay: 41.183 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 53.86 Mbit/s

95th percentile per-packet one-way delay: 42.159 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 33.42 Mbit/s

95th percentile per-packet one-way delay: 29.532 ms

Loss rate: 0.22%

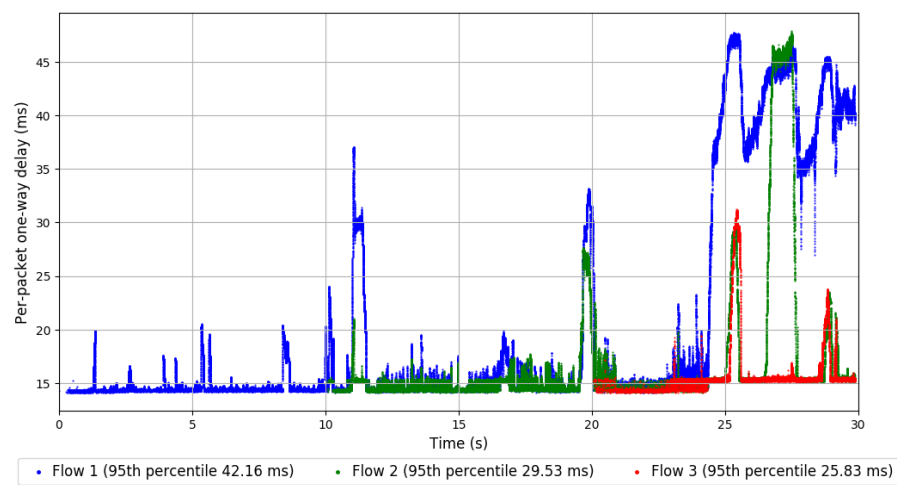
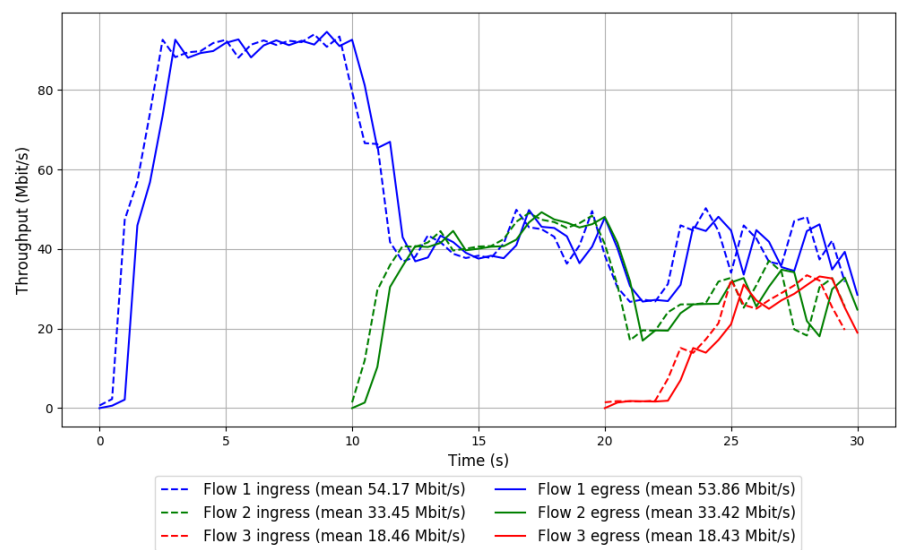
-- Flow 3:

Average throughput: 18.43 Mbit/s

95th percentile per-packet one-way delay: 25.831 ms

Loss rate: 0.43%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-25 09:42:26

End at: 2018-07-25 09:42:56

Local clock offset: 1.376 ms

Remote clock offset: 0.477 ms

Below is generated by plot.py at 2018-07-25 11:28:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.65 Mbit/s

95th percentile per-packet one-way delay: 43.881 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 60.07 Mbit/s

95th percentile per-packet one-way delay: 40.728 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 31.63 Mbit/s

95th percentile per-packet one-way delay: 48.885 ms

Loss rate: 0.71%

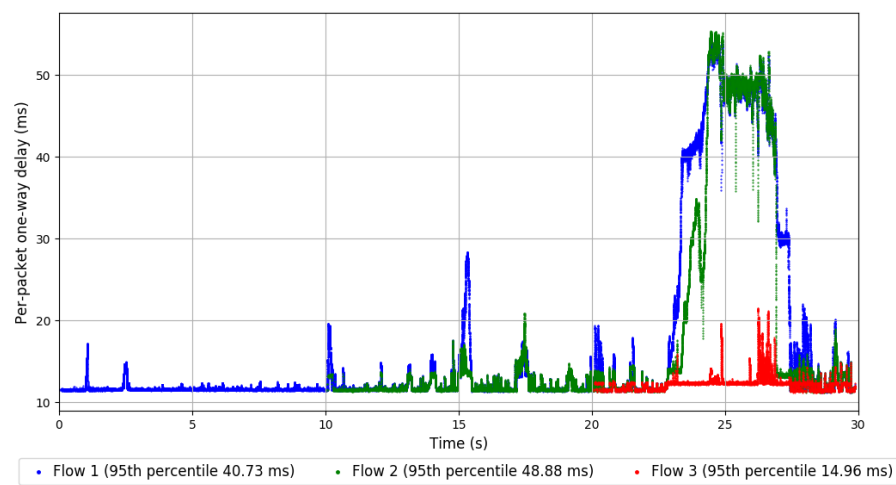
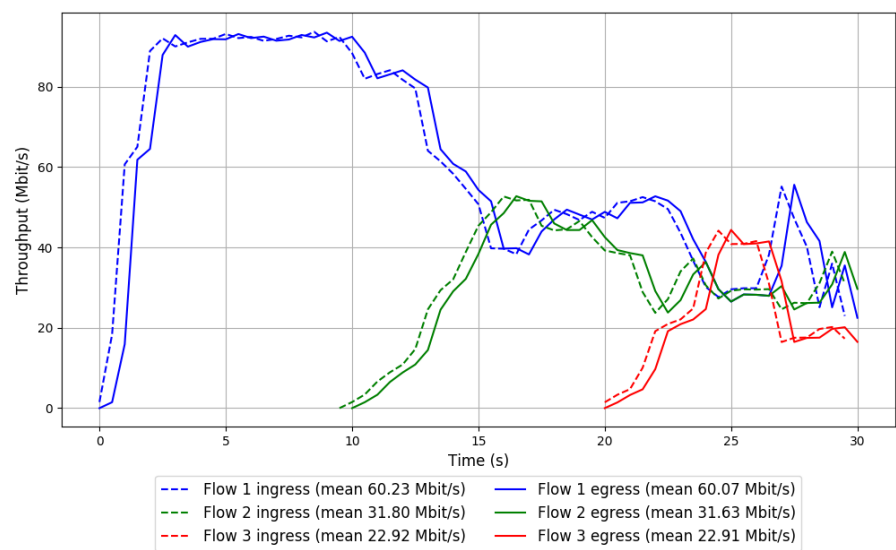
-- Flow 3:

Average throughput: 22.91 Mbit/s

95th percentile per-packet one-way delay: 14.959 ms

Loss rate: 0.29%

Run 7: Report of PCC-Vivace — Data Link

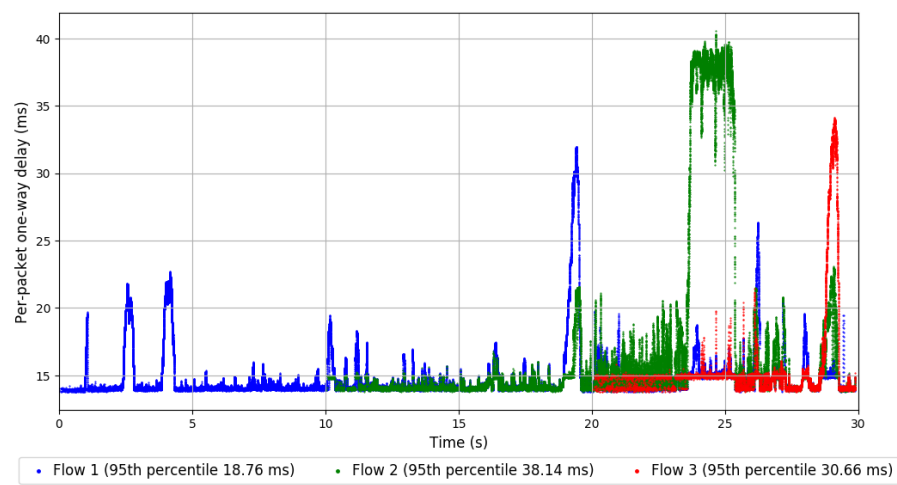
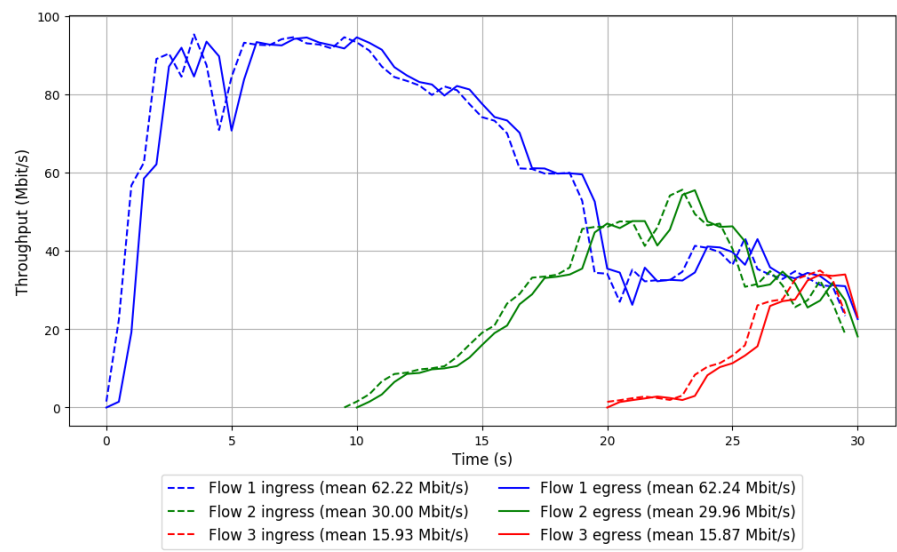


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-25 10:02:58
End at: 2018-07-25 10:03:28
Local clock offset: 2.2 ms
Remote clock offset: -4.575 ms

Below is generated by plot.py at 2018-07-25 11:28:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.40 Mbit/s
95th percentile per-packet one-way delay: 21.656 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 62.24 Mbit/s
95th percentile per-packet one-way delay: 18.761 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 29.96 Mbit/s
95th percentile per-packet one-way delay: 38.137 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 15.87 Mbit/s
95th percentile per-packet one-way delay: 30.662 ms
Loss rate: 0.60%

Run 8: Report of PCC-Vivace — Data Link

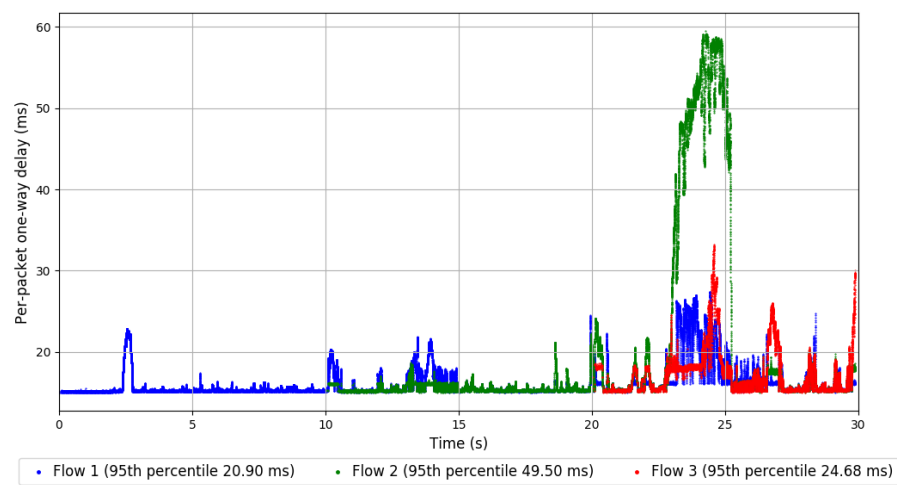
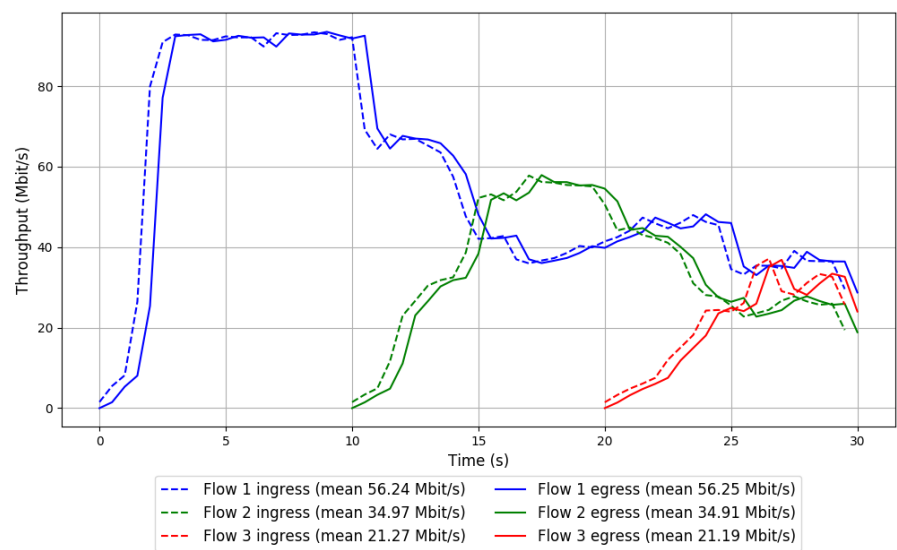


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-25 10:23:27
End at: 2018-07-25 10:23:57
Local clock offset: 3.389 ms
Remote clock offset: -1.605 ms

Below is generated by plot.py at 2018-07-25 11:28:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.44 Mbit/s
95th percentile per-packet one-way delay: 22.932 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 56.25 Mbit/s
95th percentile per-packet one-way delay: 20.900 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 34.91 Mbit/s
95th percentile per-packet one-way delay: 49.503 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 21.19 Mbit/s
95th percentile per-packet one-way delay: 24.684 ms
Loss rate: 0.66%

Run 9: Report of PCC-Vivace — Data Link

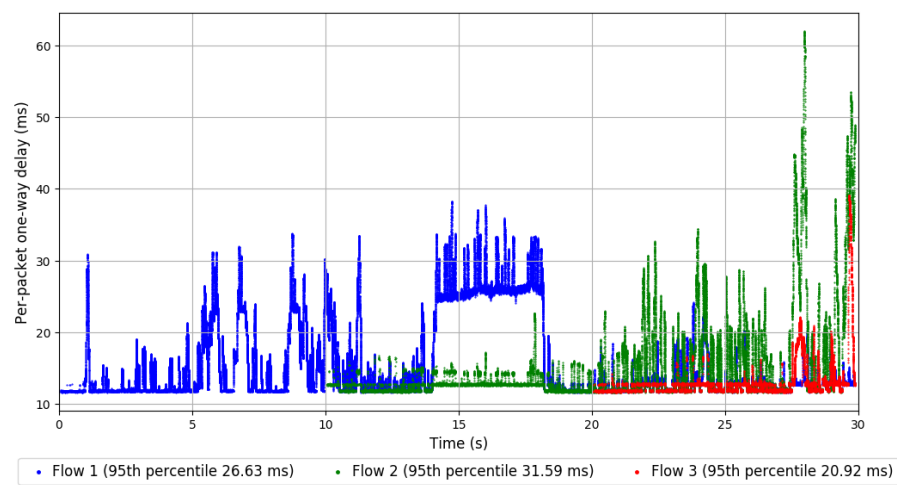
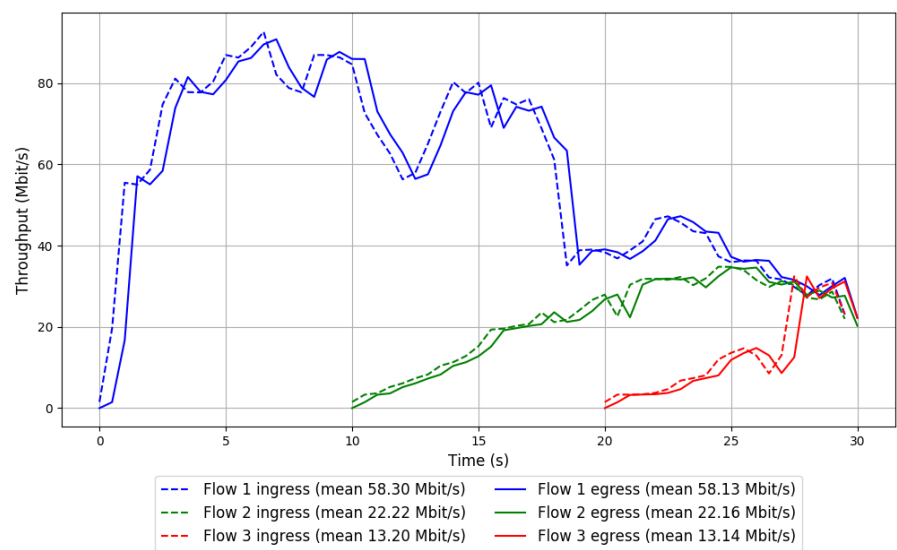


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-25 10:44:05
End at: 2018-07-25 10:44:35
Local clock offset: 0.27 ms
Remote clock offset: -1.398 ms

Below is generated by plot.py at 2018-07-25 11:29:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.20 Mbit/s
95th percentile per-packet one-way delay: 26.906 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 58.13 Mbit/s
95th percentile per-packet one-way delay: 26.629 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 22.16 Mbit/s
95th percentile per-packet one-way delay: 31.588 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 13.14 Mbit/s
95th percentile per-packet one-way delay: 20.916 ms
Loss rate: 0.67%

Run 10: Report of PCC-Vivace — Data Link

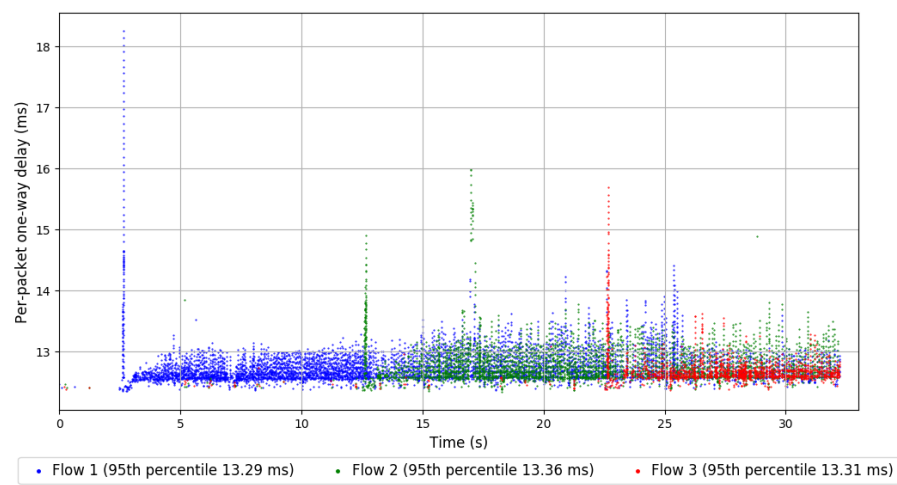
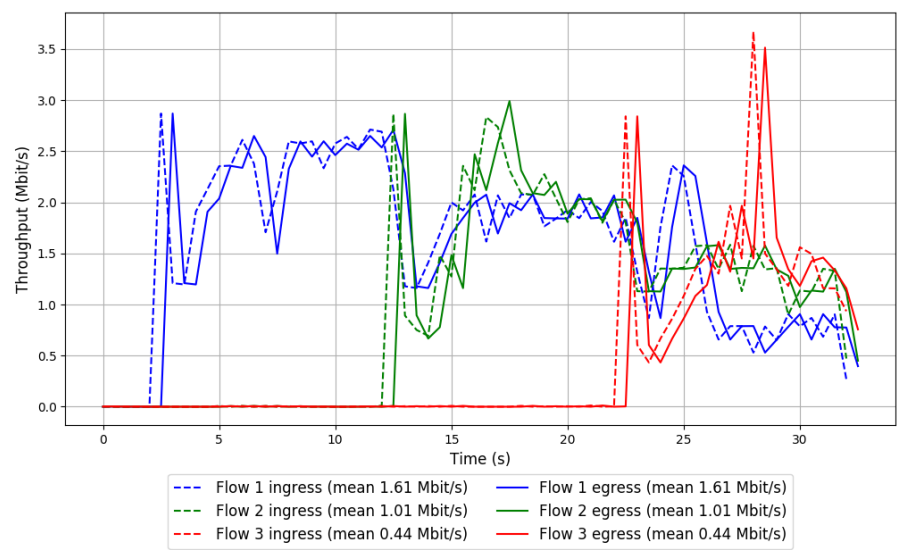


Run 1: Statistics of WebRTC media

Start at: 2018-07-25 07:50:04
End at: 2018-07-25 07:50:34
Local clock offset: -2.954 ms
Remote clock offset: -2.183 ms

Below is generated by plot.py at 2018-07-25 11:29:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 13.313 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 13.286 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 13.360 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 13.308 ms
Loss rate: 0.63%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-25 08:11:01

End at: 2018-07-25 08:11:31

Local clock offset: -1.768 ms

Remote clock offset: -9.72 ms

Below is generated by plot.py at 2018-07-25 11:29:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.97 Mbit/s

95th percentile per-packet one-way delay: 14.118 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 1.62 Mbit/s

95th percentile per-packet one-way delay: 14.154 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.92 Mbit/s

95th percentile per-packet one-way delay: 13.927 ms

Loss rate: 0.38%

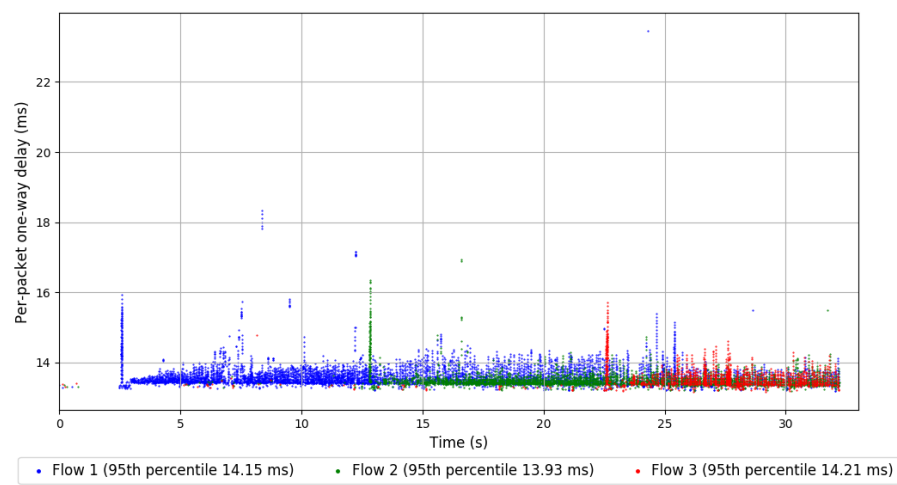
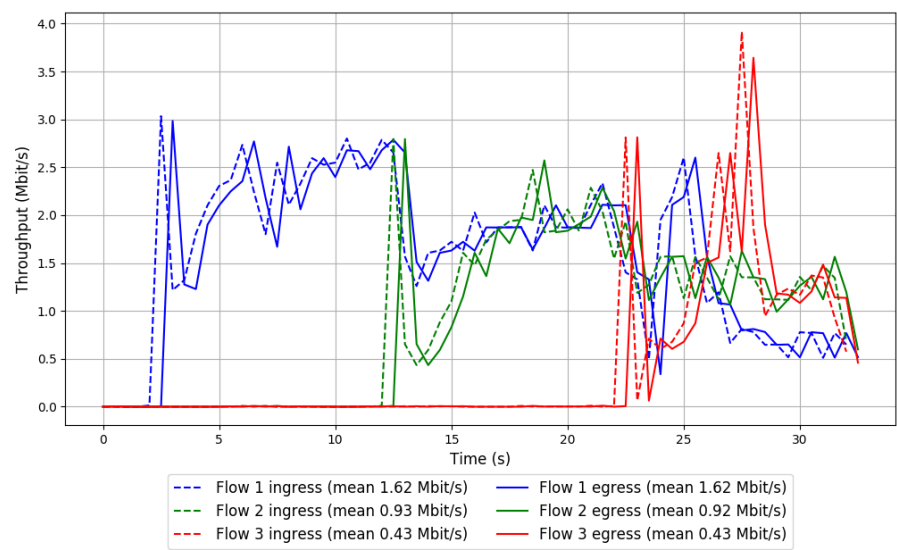
-- Flow 3:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 14.209 ms

Loss rate: 0.41%

Run 2: Report of WebRTC media — Data Link

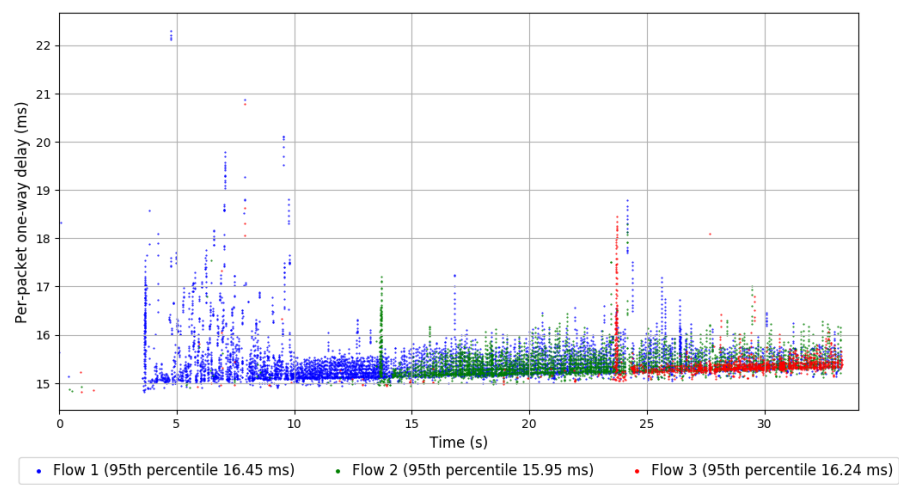
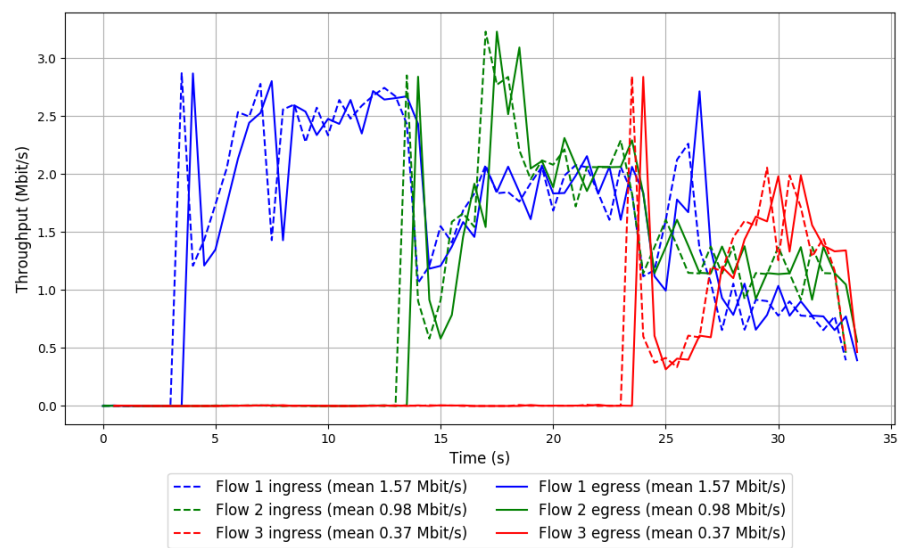


Run 3: Statistics of WebRTC media

Start at: 2018-07-25 08:31:40
End at: 2018-07-25 08:32:10
Local clock offset: -0.036 ms
Remote clock offset: -8.641 ms

Below is generated by plot.py at 2018-07-25 11:29:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.90 Mbit/s
95th percentile per-packet one-way delay: 16.219 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 16.454 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 15.951 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 16.239 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

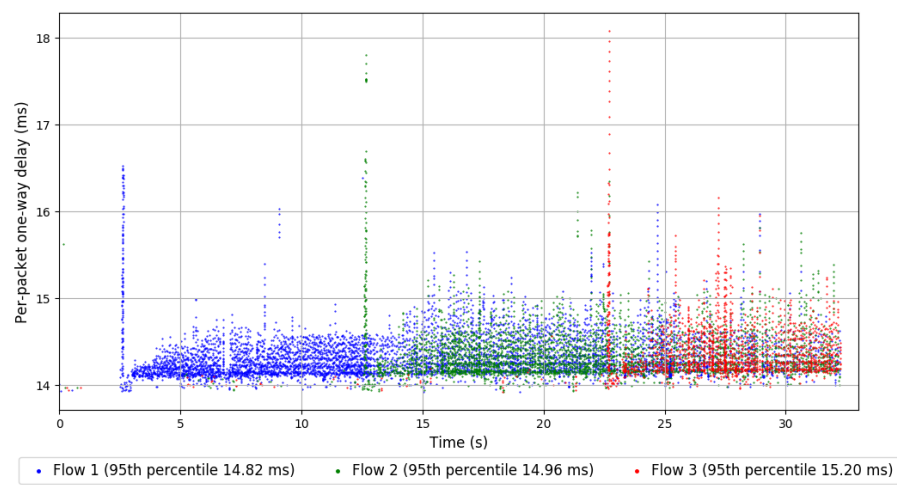
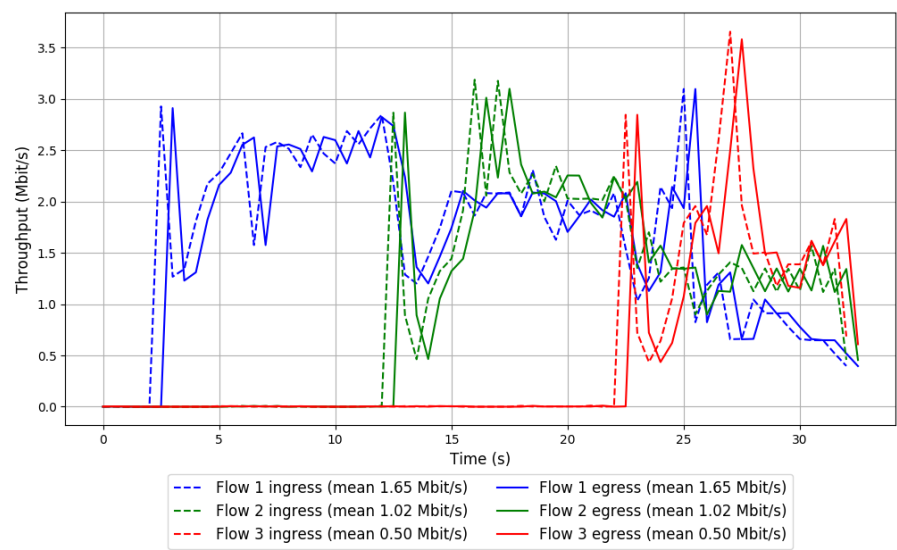


Run 4: Statistics of WebRTC media

Start at: 2018-07-25 08:52:54
End at: 2018-07-25 08:53:24
Local clock offset: -0.131 ms
Remote clock offset: -2.635 ms

Below is generated by plot.py at 2018-07-25 11:29:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 14.933 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 14.817 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 14.962 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 15.202 ms
Loss rate: 0.24%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-25 09:13:43

End at: 2018-07-25 09:14:13

Local clock offset: 1.075 ms

Remote clock offset: 0.443 ms

Below is generated by plot.py at 2018-07-25 11:29:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.92 Mbit/s

95th percentile per-packet one-way delay: 15.923 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 1.63 Mbit/s

95th percentile per-packet one-way delay: 15.906 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.96 Mbit/s

95th percentile per-packet one-way delay: 15.972 ms

Loss rate: 0.33%

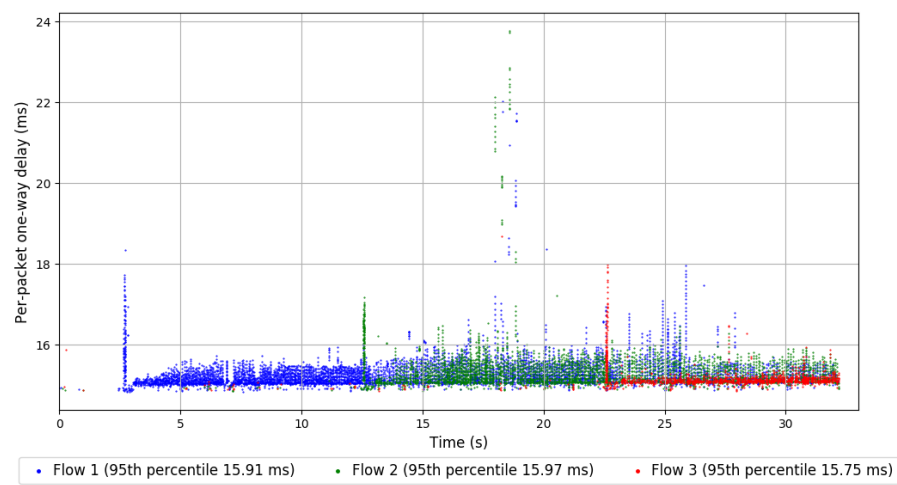
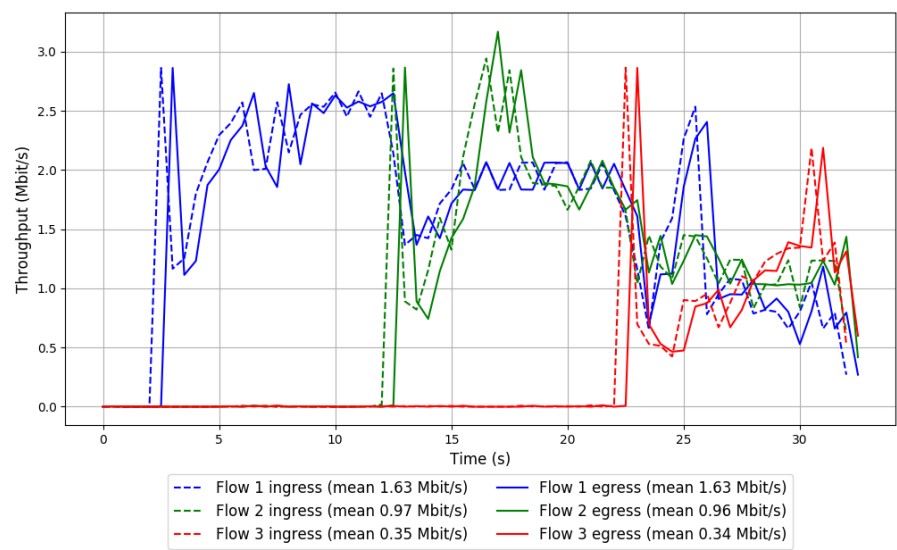
-- Flow 3:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 15.754 ms

Loss rate: 0.45%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-25 09:35:10

End at: 2018-07-25 09:35:40

Local clock offset: -0.502 ms

Remote clock offset: 5.521 ms

Below is generated by plot.py at 2018-07-25 11:29:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.95 Mbit/s

95th percentile per-packet one-way delay: 9.555 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 1.62 Mbit/s

95th percentile per-packet one-way delay: 9.544 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 1.00 Mbit/s

95th percentile per-packet one-way delay: 9.573 ms

Loss rate: 0.00%

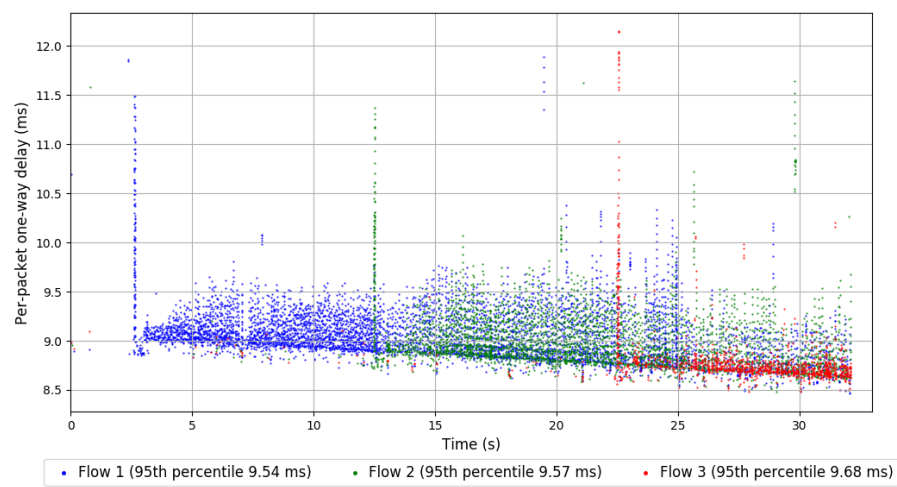
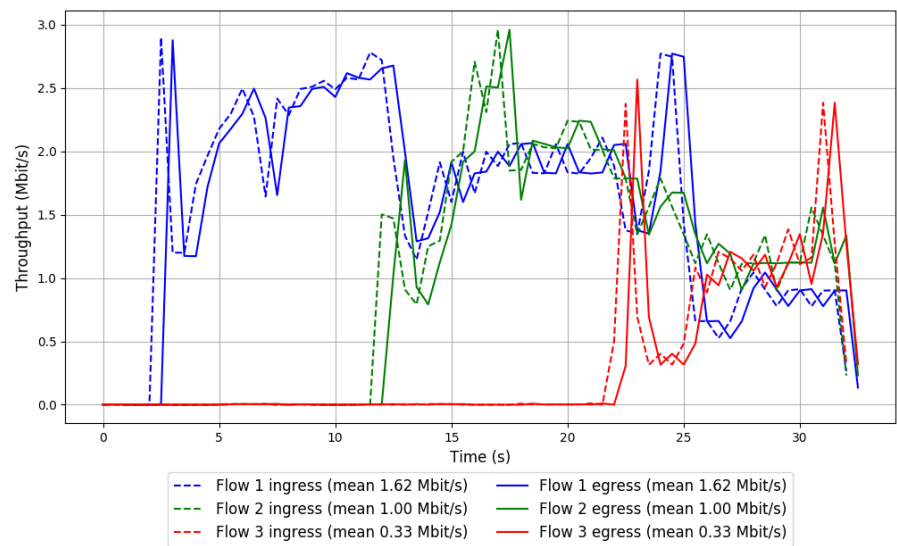
-- Flow 3:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 9.684 ms

Loss rate: 0.01%

Run 6: Report of WebRTC media — Data Link

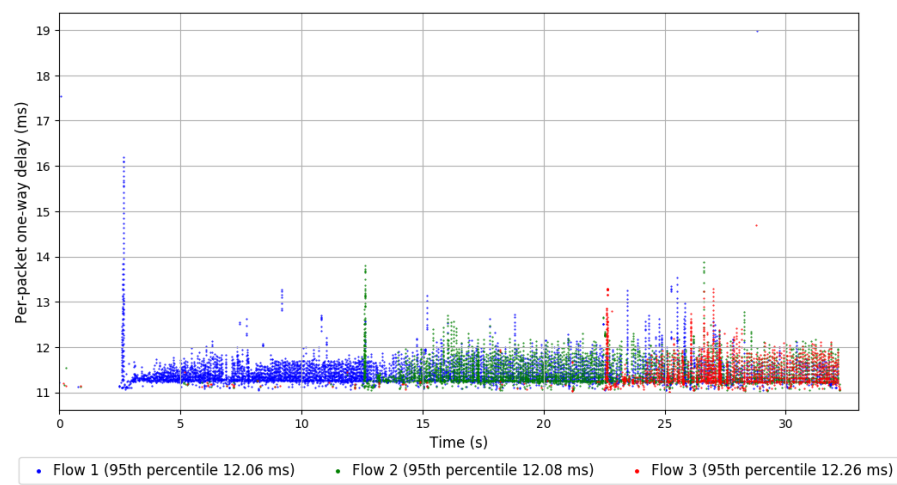
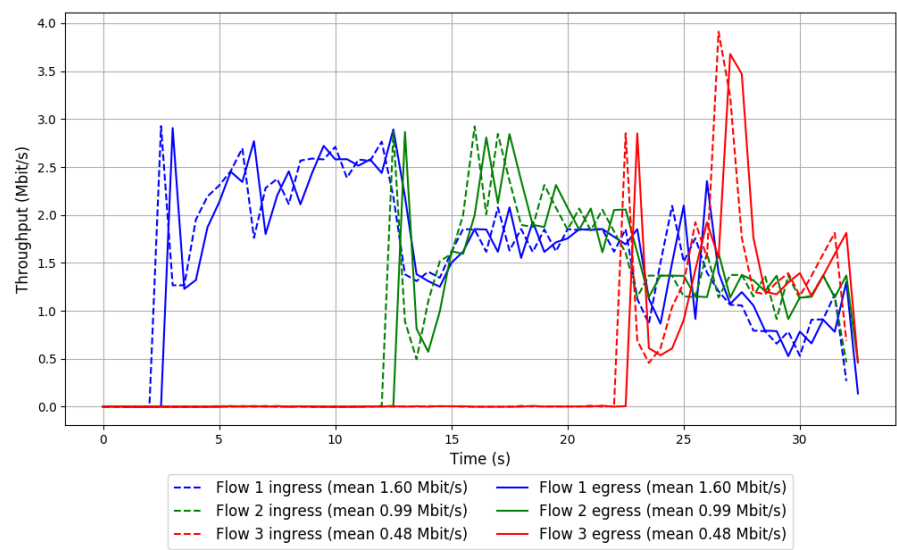


Run 7: Statistics of WebRTC media

Start at: 2018-07-25 09:55:35
End at: 2018-07-25 09:56:05
Local clock offset: -0.631 ms
Remote clock offset: -4.114 ms

Below is generated by plot.py at 2018-07-25 11:29:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 12.097 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 12.059 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 12.084 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 12.264 ms
Loss rate: 0.73%

Run 7: Report of WebRTC media — Data Link

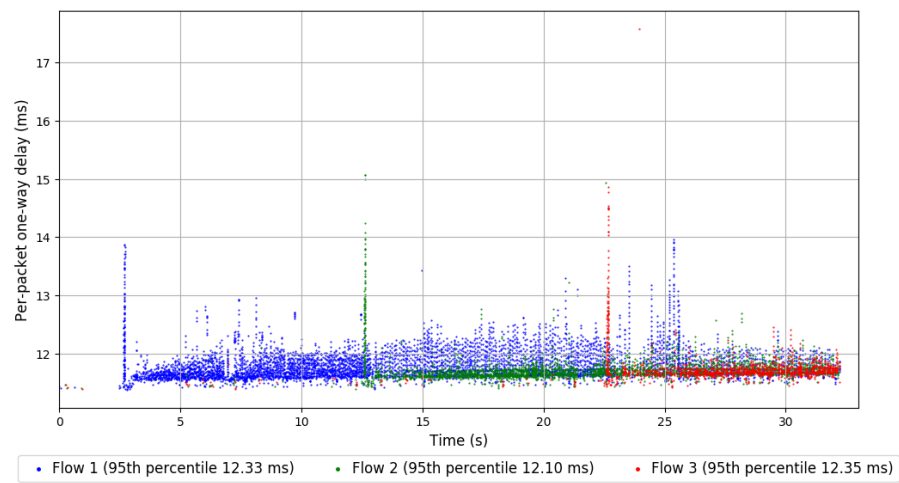
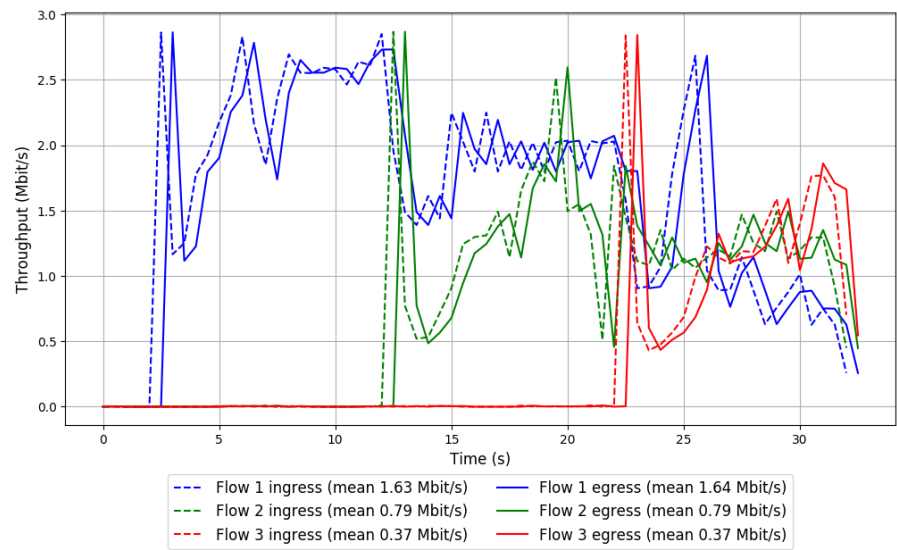


Run 8: Statistics of WebRTC media

Start at: 2018-07-25 10:16:16
End at: 2018-07-25 10:16:46
Local clock offset: 0.069 ms
Remote clock offset: -2.141 ms

```
# Below is generated by plot.py at 2018-07-25 11:29:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.79 Mbit/s
95th percentile per-packet one-way delay: 12.283 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 12.328 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 12.098 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 12.351 ms
Loss rate: 0.66%
```


Run 8: Report of WebRTC media — Data Link

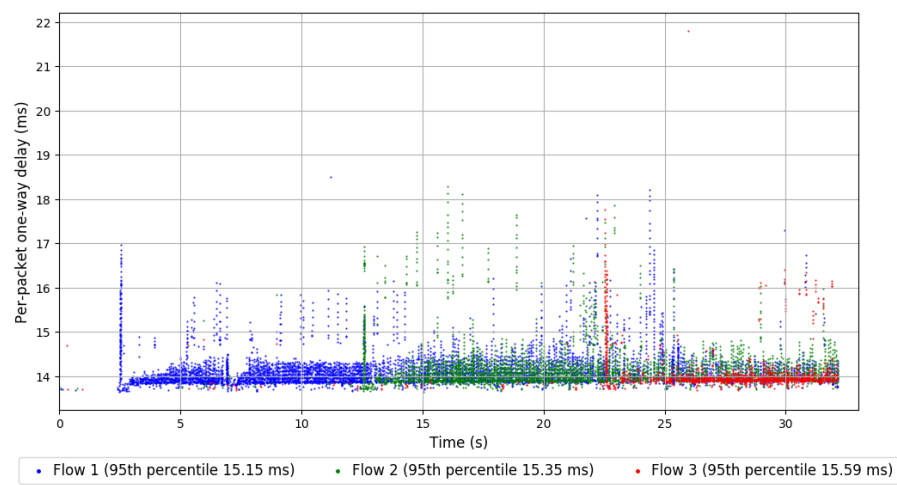
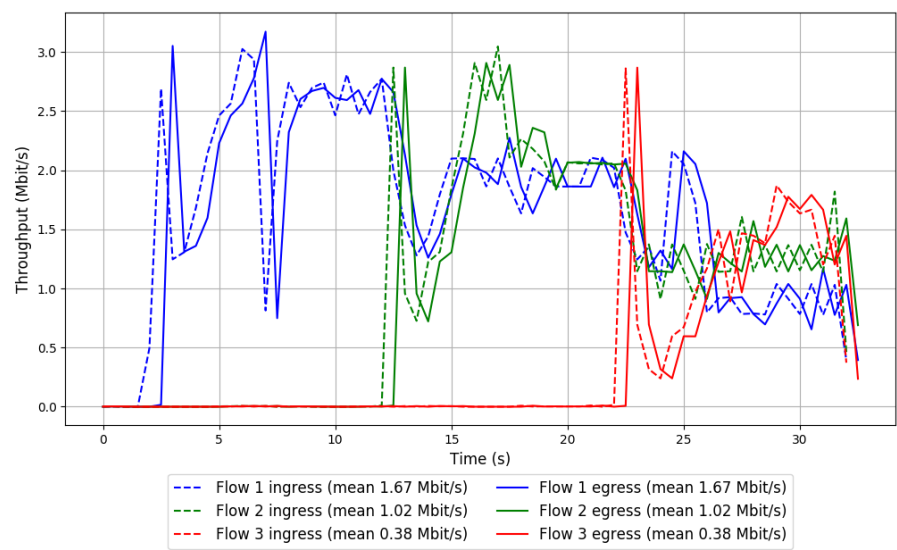


Run 9: Statistics of WebRTC media

Start at: 2018-07-25 10:36:54
End at: 2018-07-25 10:37:24
Local clock offset: 0.575 ms
Remote clock offset: -2.014 ms

Below is generated by plot.py at 2018-07-25 11:29:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 15.246 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 15.147 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 15.348 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 15.586 ms
Loss rate: 0.56%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-25 10:57:17
End at: 2018-07-25 10:57:47
Local clock offset: 1.829 ms
Remote clock offset: -2.145 ms

Below is generated by plot.py at 2018-07-25 11:29:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 15.137 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 15.084 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 15.149 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 15.155 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

