

Pantheon Report

Generated at 2018-06-05 14:51:59 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

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

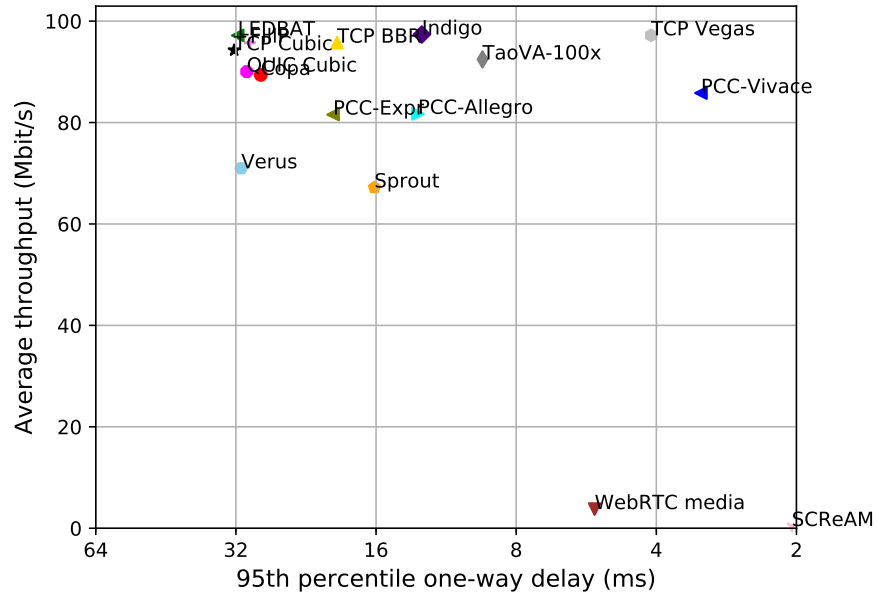
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

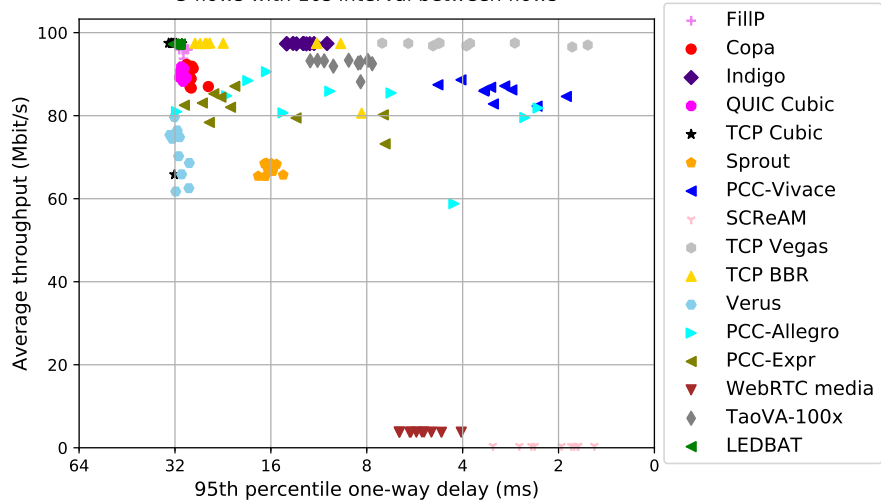
Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
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-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



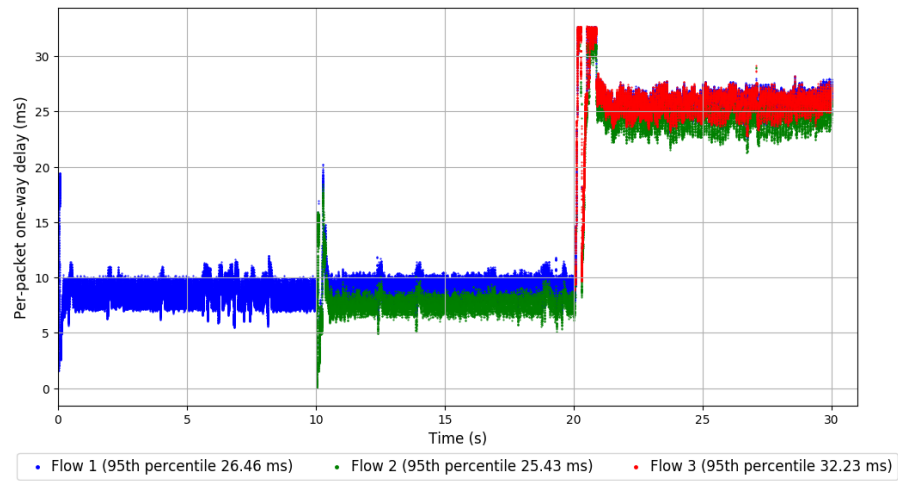
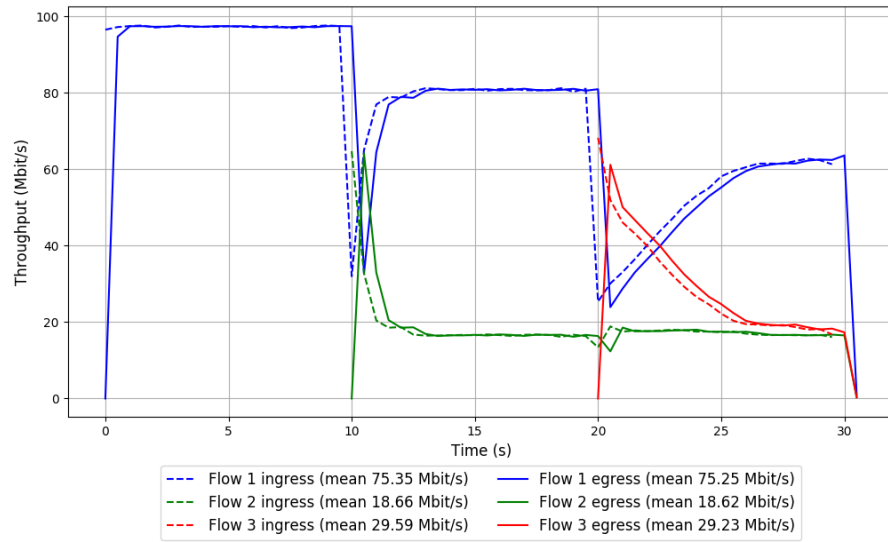
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	58.22	44.51	21.67	18.91	19.22	22.86	1.82	0.03	1.85
Copa	10	53.88	38.23	30.17	26.67	28.96	29.45	0.01	0.01	0.03
TCP Cubic	10	60.36	38.48	24.95	32.21	32.05	31.81	1.13	0.07	0.14
FillP	10	51.14	49.41	35.43	29.69	29.02	29.46	11.83	20.58	24.53
Indigo	10	46.07	44.05	67.68	10.78	12.48	13.00	0.00	0.00	0.00
LEDBAT	10	64.83	34.22	28.85	31.58	31.67	31.65	0.04	2.02	0.12
PCC-Allegro	10	57.72	30.48	11.27	9.96	16.02	19.05	0.54	0.10	0.89
PCC-Expr	10	46.31	36.35	33.56	20.17	16.72	16.34	0.56	0.14	0.07
QUIC Cubic	10	57.73	34.76	28.02	30.27	30.02	30.55	0.15	0.18	0.22
SCReAM	10	0.22	0.22	0.22	1.50	1.50	1.47	0.00	0.00	0.00
Sprout	10	35.33	33.32	29.34	14.99	16.16	18.38	0.00	0.00	3.52
TaoVA-100x	10	54.79	36.74	39.69	8.59	10.08	10.95	0.02	0.10	0.21
TCP Vegas	10	50.87	45.19	48.79	4.81	3.24	4.36	0.00	0.00	0.00
Verus	10	39.66	32.46	29.71	29.77	31.16	32.29	8.29	13.06	22.34
PCC-Vivace	10	52.67	35.95	27.94	2.36	3.48	4.17	0.00	0.00	0.00
WebRTC media	10	2.00	1.32	0.45	4.98	5.57	6.30	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-06-05 11:38:47
End at: 2018-06-05 11:39:17
Local clock offset: -4.544 ms
Remote clock offset: -6.731 ms

Below is generated by plot.py at 2018-06-05 14:28:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 26.675 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 75.25 Mbit/s
95th percentile per-packet one-way delay: 26.461 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 18.62 Mbit/s
95th percentile per-packet one-way delay: 25.432 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 29.23 Mbit/s
95th percentile per-packet one-way delay: 32.225 ms
Loss rate: 1.04%

Run 1: Report of TCP BBR — Data Link

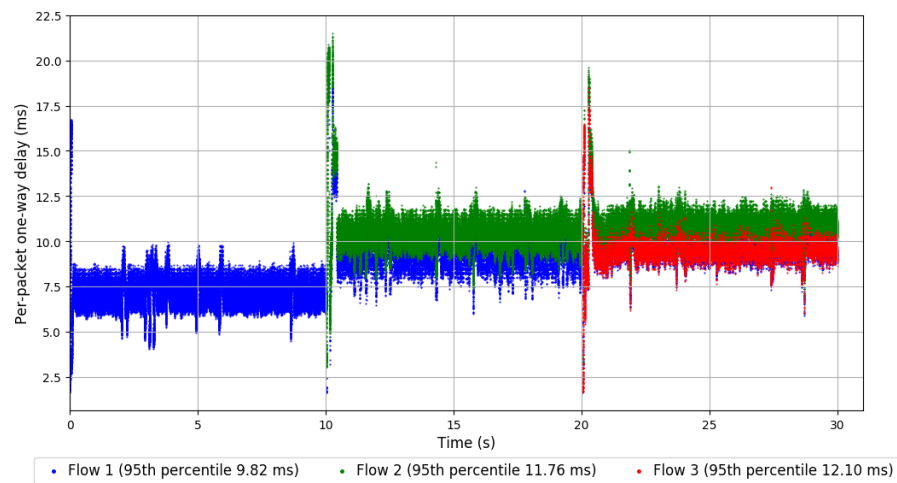
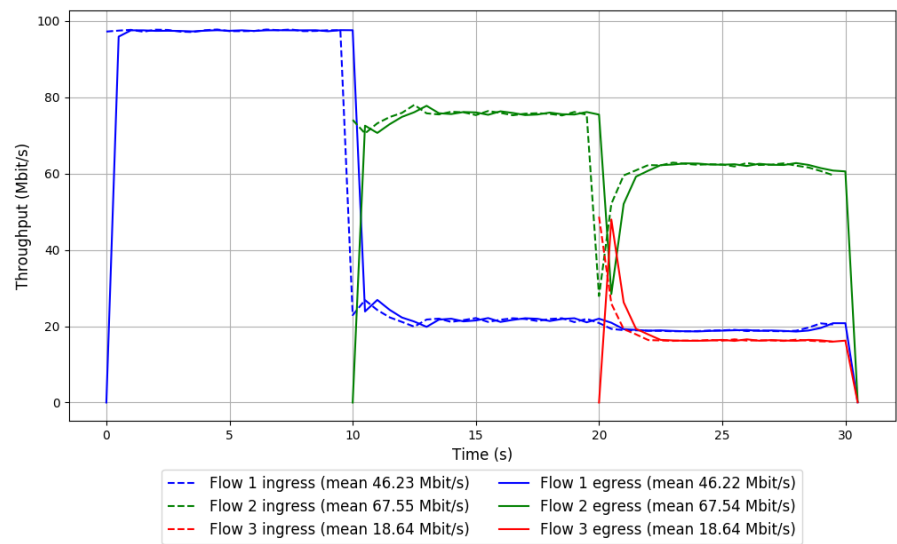


Run 2: Statistics of TCP BBR

Start at: 2018-06-05 11:56:51
End at: 2018-06-05 11:57:21
Local clock offset: -6.033 ms
Remote clock offset: -6.575 ms

Below is generated by plot.py at 2018-06-05 14:28:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 11.507 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.22 Mbit/s
95th percentile per-packet one-way delay: 9.825 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.54 Mbit/s
95th percentile per-packet one-way delay: 11.757 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.64 Mbit/s
95th percentile per-packet one-way delay: 12.097 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

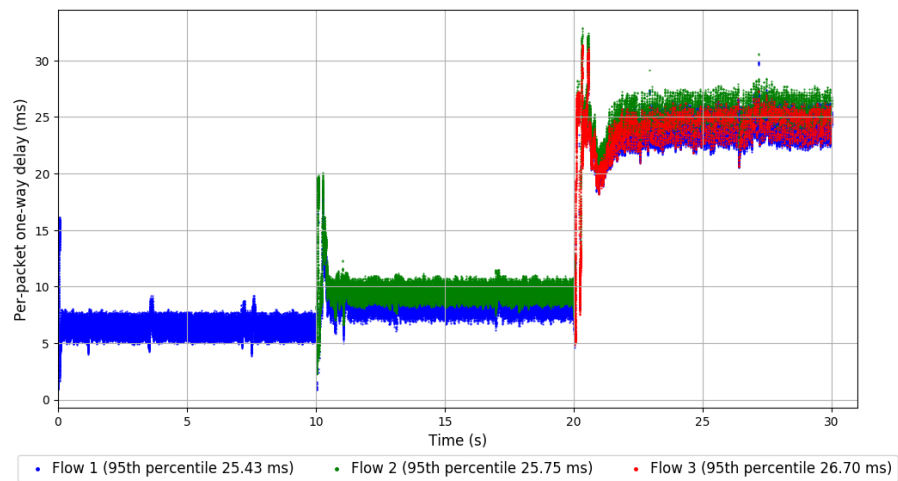
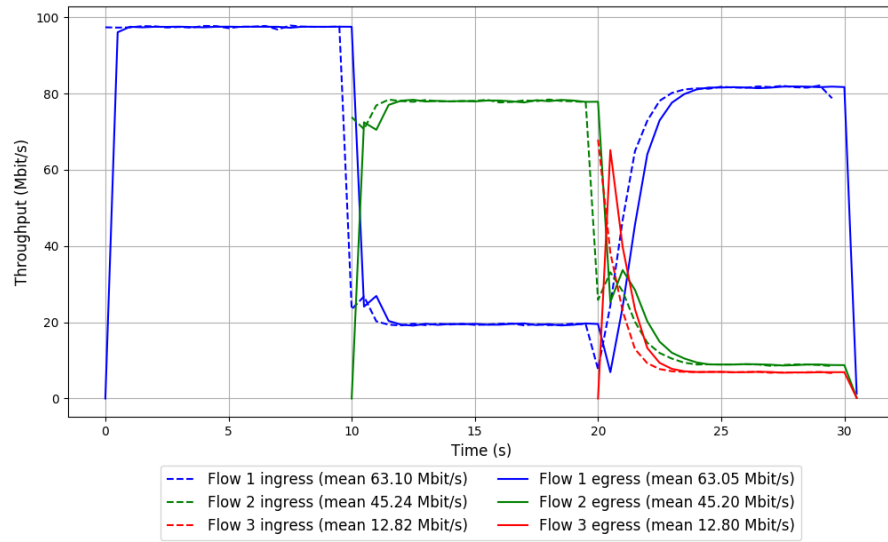


Run 3: Statistics of TCP BBR

Start at: 2018-06-05 12:14:53
End at: 2018-06-05 12:15:23
Local clock offset: -5.779 ms
Remote clock offset: -6.504 ms

Below is generated by plot.py at 2018-06-05 14:28:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 25.490 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.05 Mbit/s
95th percentile per-packet one-way delay: 25.435 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.20 Mbit/s
95th percentile per-packet one-way delay: 25.748 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.80 Mbit/s
95th percentile per-packet one-way delay: 26.701 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

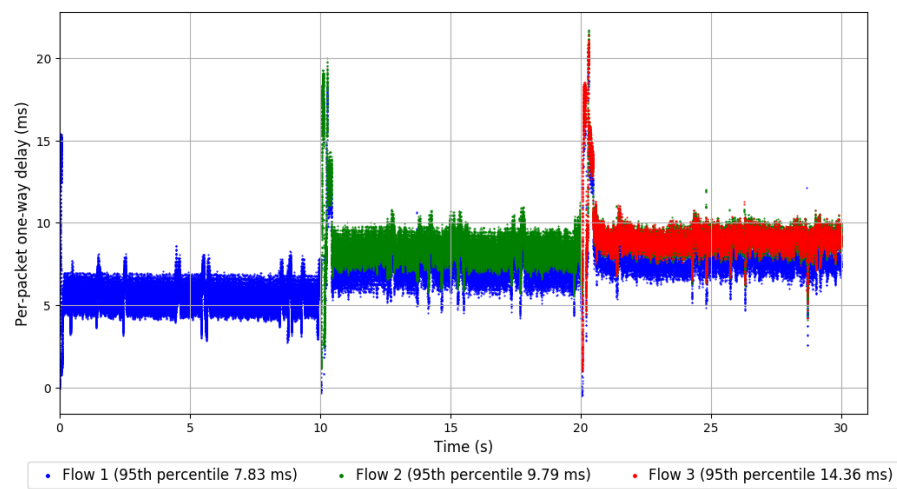
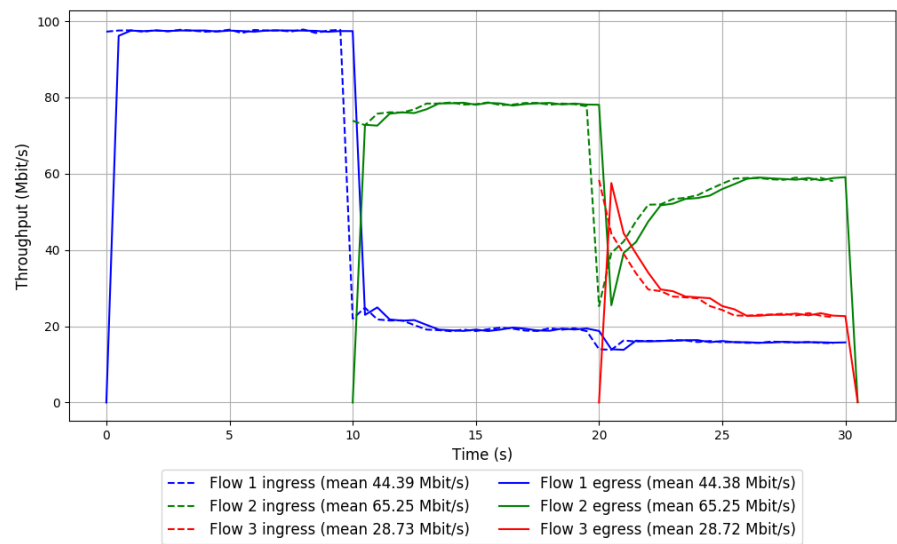


Run 4: Statistics of TCP BBR

Start at: 2018-06-05 12:32:58
End at: 2018-06-05 12:33:28
Local clock offset: -5.245 ms
Remote clock offset: -0.968 ms

Below is generated by plot.py at 2018-06-05 14:28:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 9.656 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.38 Mbit/s
95th percentile per-packet one-way delay: 7.829 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.25 Mbit/s
95th percentile per-packet one-way delay: 9.792 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.72 Mbit/s
95th percentile per-packet one-way delay: 14.360 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-05 12:51:00

End at: 2018-06-05 12:51:30

Local clock offset: -5.597 ms

Remote clock offset: 8.779 ms

Below is generated by plot.py at 2018-06-05 14:28:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.40 Mbit/s

95th percentile per-packet one-way delay: 25.748 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 59.10 Mbit/s

95th percentile per-packet one-way delay: 25.292 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 42.95 Mbit/s

95th percentile per-packet one-way delay: 25.896 ms

Loss rate: 0.05%

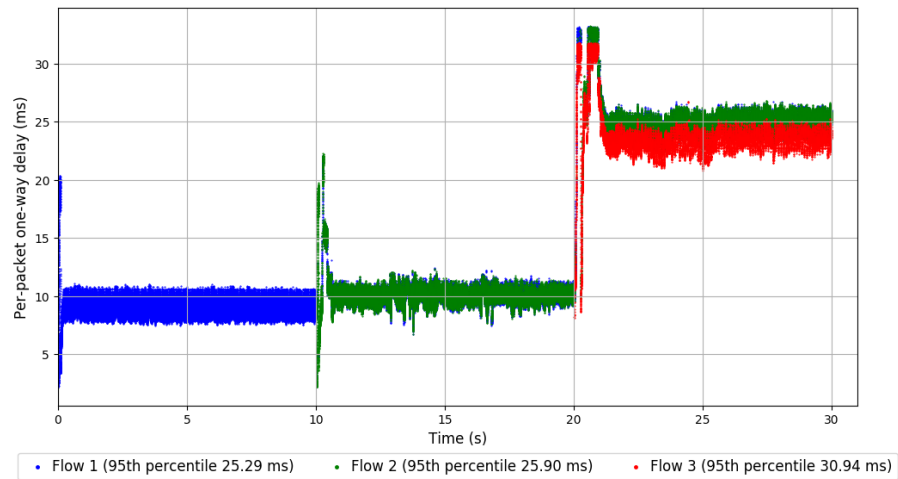
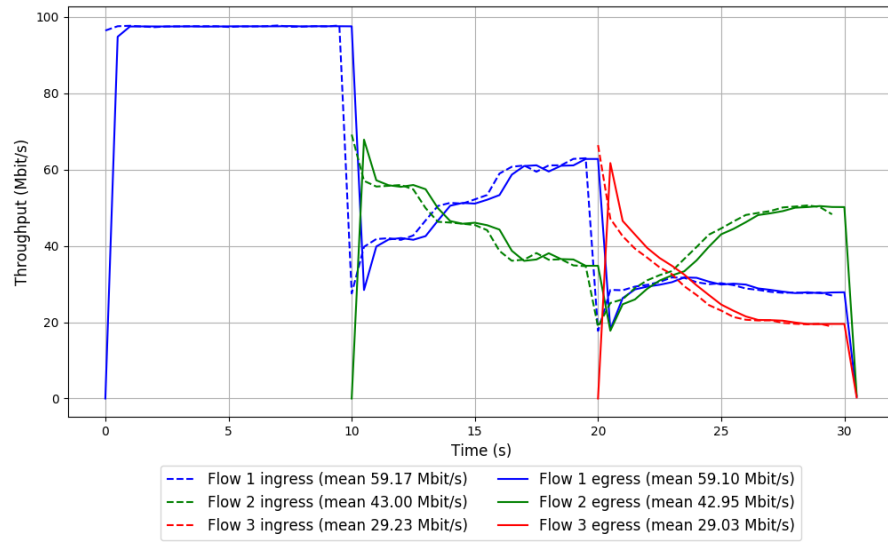
-- Flow 3:

Average throughput: 29.03 Mbit/s

95th percentile per-packet one-way delay: 30.943 ms

Loss rate: 0.51%

Run 5: Report of TCP BBR — Data Link

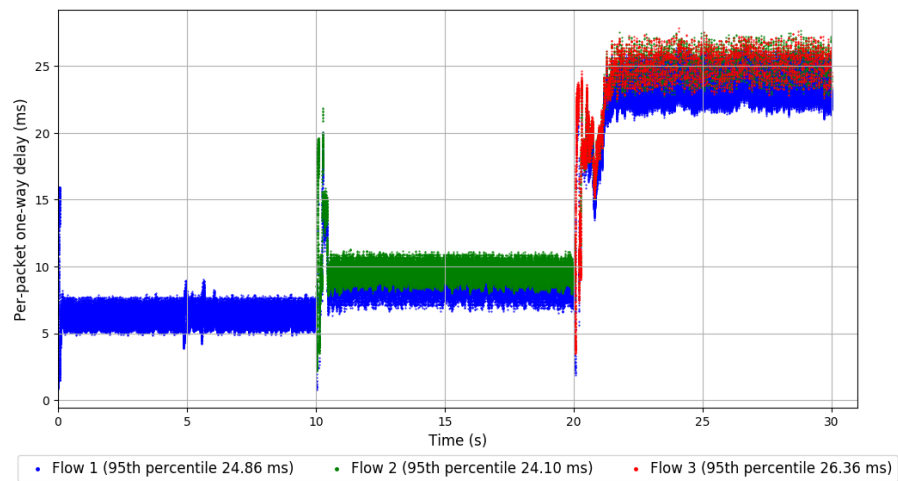
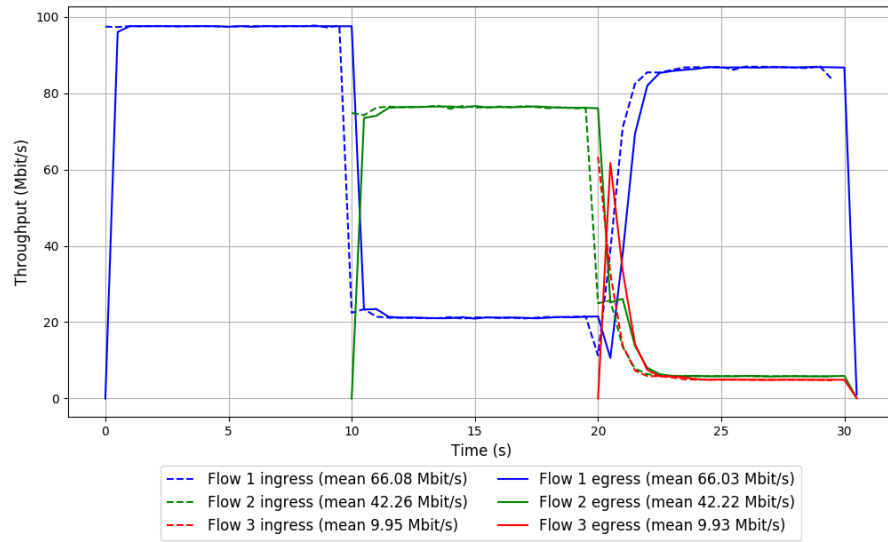


Run 6: Statistics of TCP BBR

Start at: 2018-06-05 13:09:03
End at: 2018-06-05 13:09:33
Local clock offset: -5.656 ms
Remote clock offset: 12.816 ms

Below is generated by plot.py at 2018-06-05 14:28:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 24.894 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.03 Mbit/s
95th percentile per-packet one-way delay: 24.859 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.22 Mbit/s
95th percentile per-packet one-way delay: 24.096 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.93 Mbit/s
95th percentile per-packet one-way delay: 26.359 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

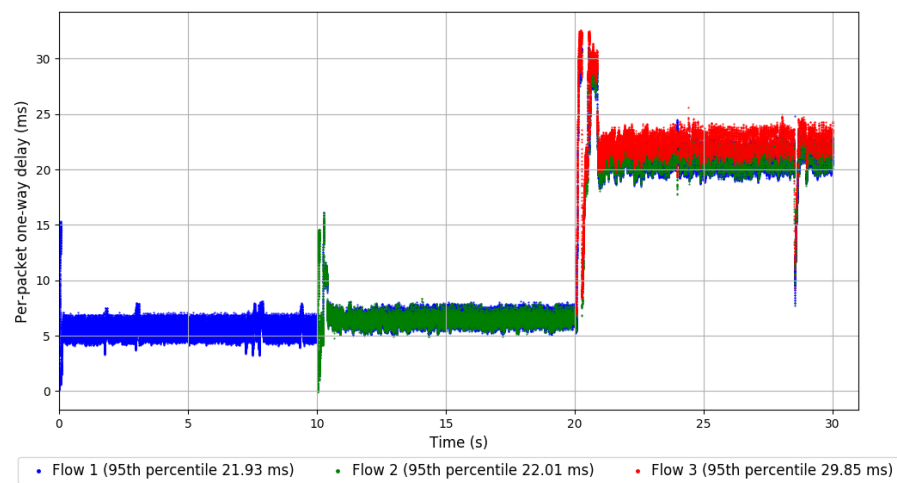
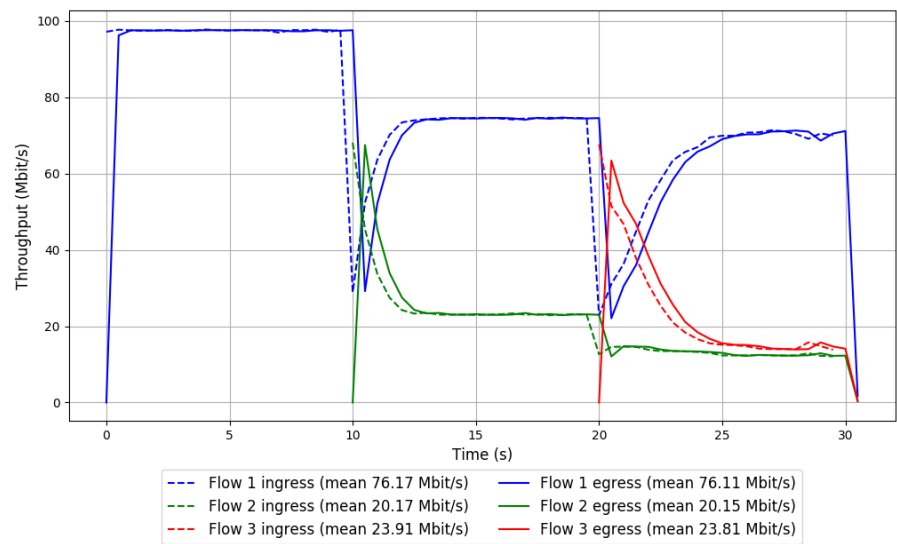


Run 7: Statistics of TCP BBR

Start at: 2018-06-05 13:27:06
End at: 2018-06-05 13:27:36
Local clock offset: -5.08 ms
Remote clock offset: 15.988 ms

Below is generated by plot.py at 2018-06-05 14:28:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 22.573 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 76.11 Mbit/s
95th percentile per-packet one-way delay: 21.926 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 20.15 Mbit/s
95th percentile per-packet one-way delay: 22.007 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 23.81 Mbit/s
95th percentile per-packet one-way delay: 29.849 ms
Loss rate: 0.26%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-05 13:45:07

End at: 2018-06-05 13:45:37

Local clock offset: -5.174 ms

Remote clock offset: 0.723 ms

Below is generated by plot.py at 2018-06-05 14:28:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 27.675 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 73.11 Mbit/s

95th percentile per-packet one-way delay: 27.458 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 27.11 Mbit/s

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

Loss rate: 0.09%

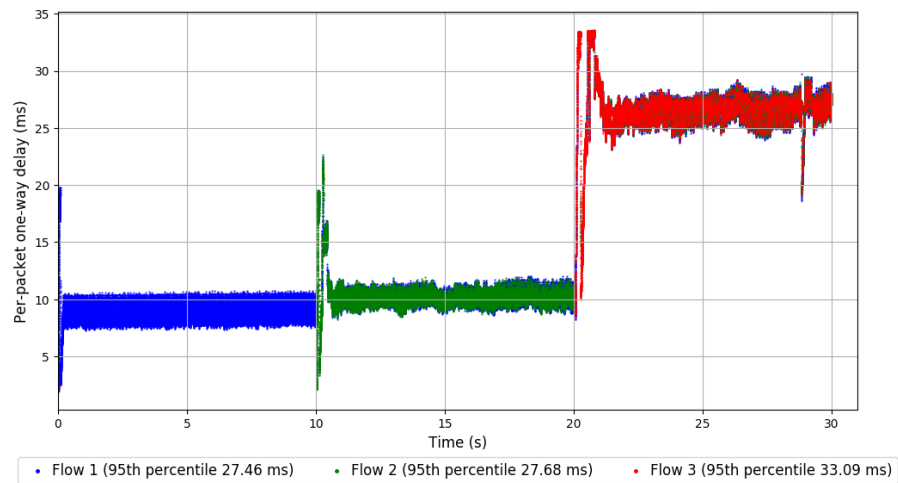
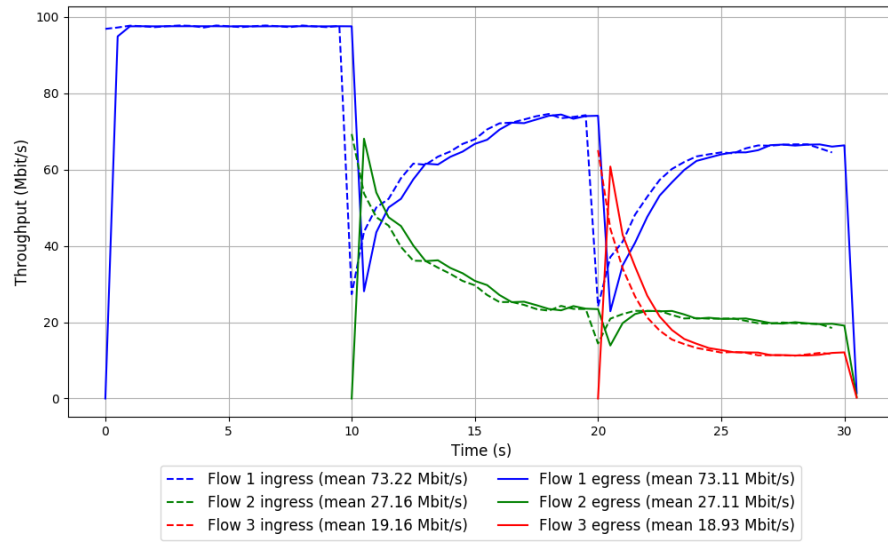
-- Flow 3:

Average throughput: 18.93 Mbit/s

95th percentile per-packet one-way delay: 33.088 ms

Loss rate: 1.02%

Run 8: Report of TCP BBR — Data Link

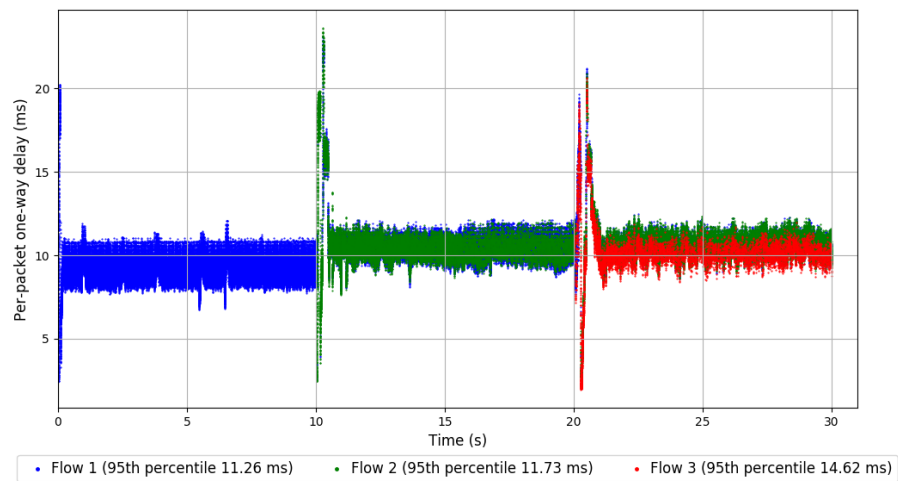
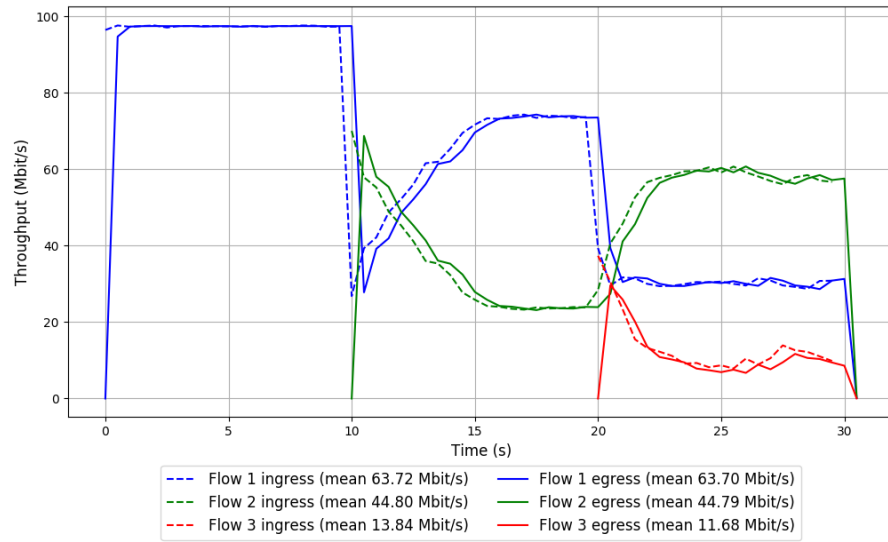


Run 9: Statistics of TCP BBR

Start at: 2018-06-05 14:03:10
End at: 2018-06-05 14:03:40
Local clock offset: -5.896 ms
Remote clock offset: -12.592 ms

Below is generated by plot.py at 2018-06-05 14:29:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 11.458 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 63.70 Mbit/s
95th percentile per-packet one-way delay: 11.261 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.79 Mbit/s
95th percentile per-packet one-way delay: 11.730 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.68 Mbit/s
95th percentile per-packet one-way delay: 14.615 ms
Loss rate: 15.66%

Run 9: Report of TCP BBR — Data Link

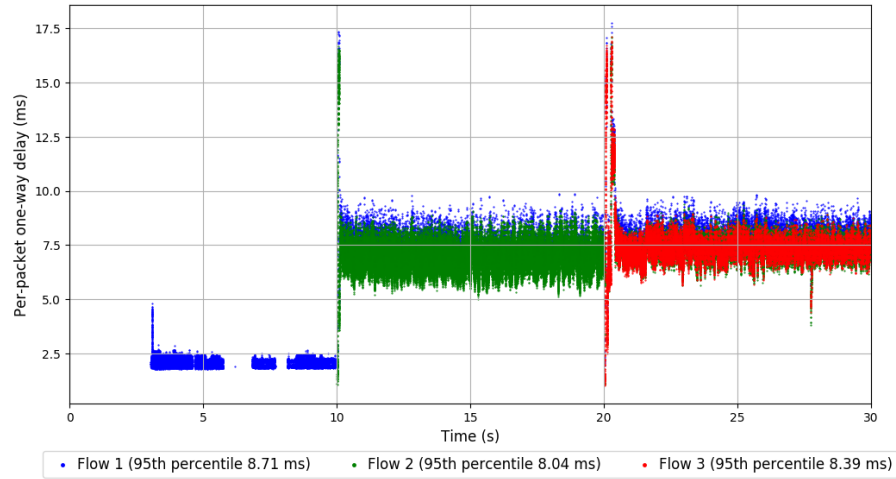
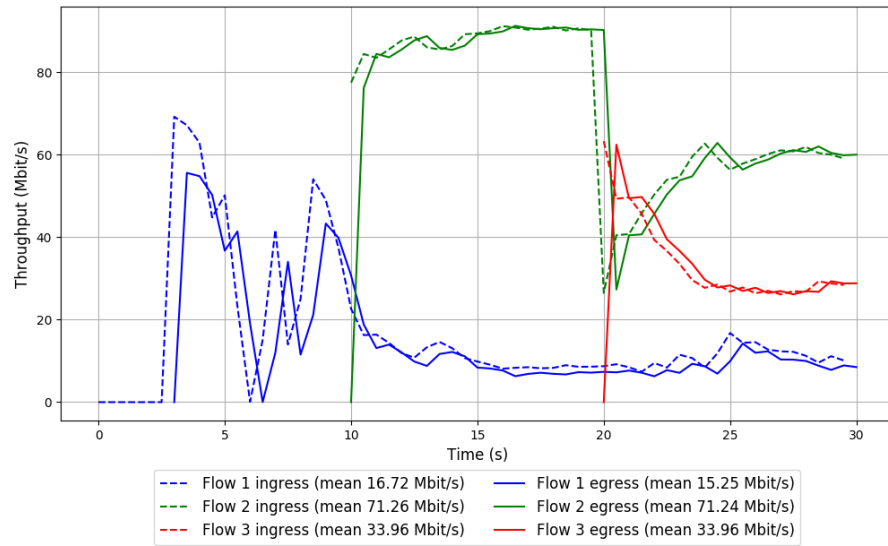


Run 10: Statistics of TCP BBR

Start at: 2018-06-05 14:21:14
End at: 2018-06-05 14:21:44
Local clock offset: -5.808 ms
Remote clock offset: -18.56 ms

Below is generated by plot.py at 2018-06-05 14:29:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.61 Mbit/s
95th percentile per-packet one-way delay: 8.300 ms
Loss rate: 3.98%
-- Flow 1:
Average throughput: 15.25 Mbit/s
95th percentile per-packet one-way delay: 8.709 ms
Loss rate: 17.97%
-- Flow 2:
Average throughput: 71.24 Mbit/s
95th percentile per-packet one-way delay: 8.043 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.96 Mbit/s
95th percentile per-packet one-way delay: 8.388 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

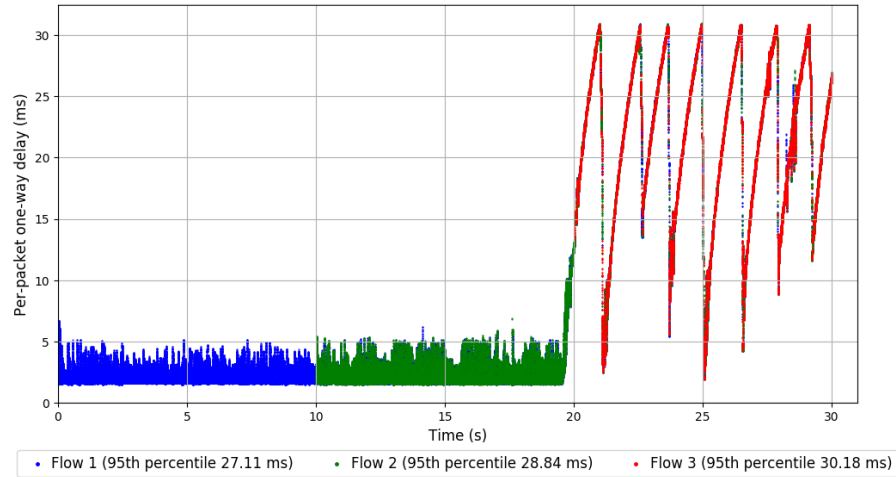
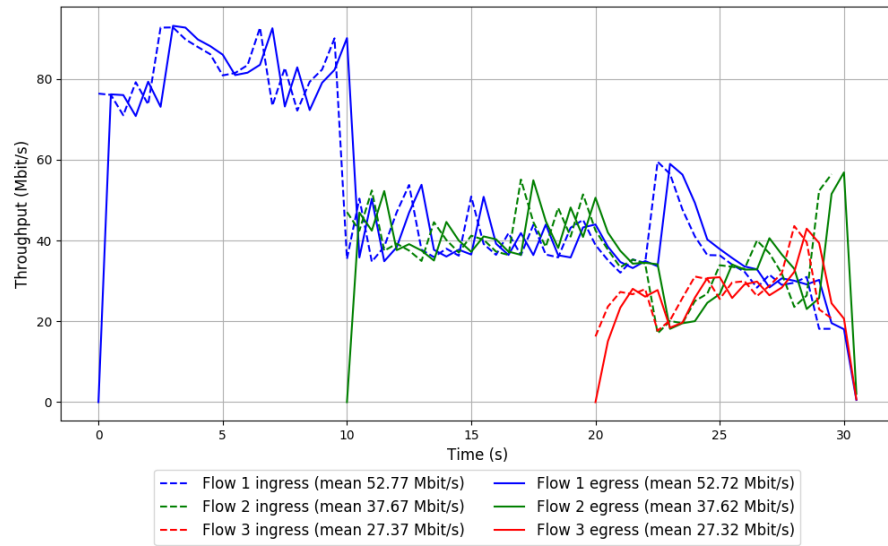


Run 1: Statistics of Copa

Start at: 2018-06-05 11:36:29
End at: 2018-06-05 11:36:59
Local clock offset: -4.518 ms
Remote clock offset: -6.753 ms

Below is generated by plot.py at 2018-06-05 14:30:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 28.682 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 52.72 Mbit/s
95th percentile per-packet one-way delay: 27.114 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.62 Mbit/s
95th percentile per-packet one-way delay: 28.845 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 27.32 Mbit/s
95th percentile per-packet one-way delay: 30.185 ms
Loss rate: 0.04%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-06-05 11:54:33

End at: 2018-06-05 11:55:03

Local clock offset: -5.282 ms

Remote clock offset: -6.54 ms

Below is generated by plot.py at 2018-06-05 14:30:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.91 Mbit/s

95th percentile per-packet one-way delay: 29.085 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 53.45 Mbit/s

95th percentile per-packet one-way delay: 28.000 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 38.94 Mbit/s

95th percentile per-packet one-way delay: 29.937 ms

Loss rate: 0.01%

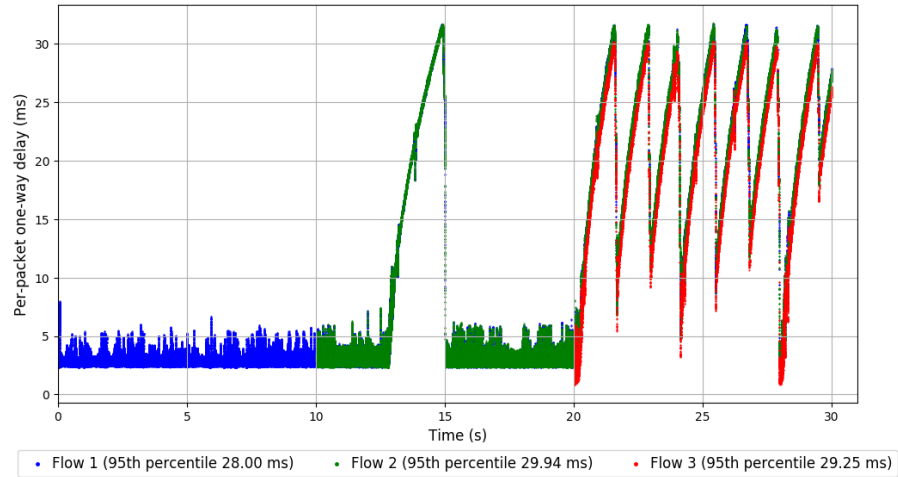
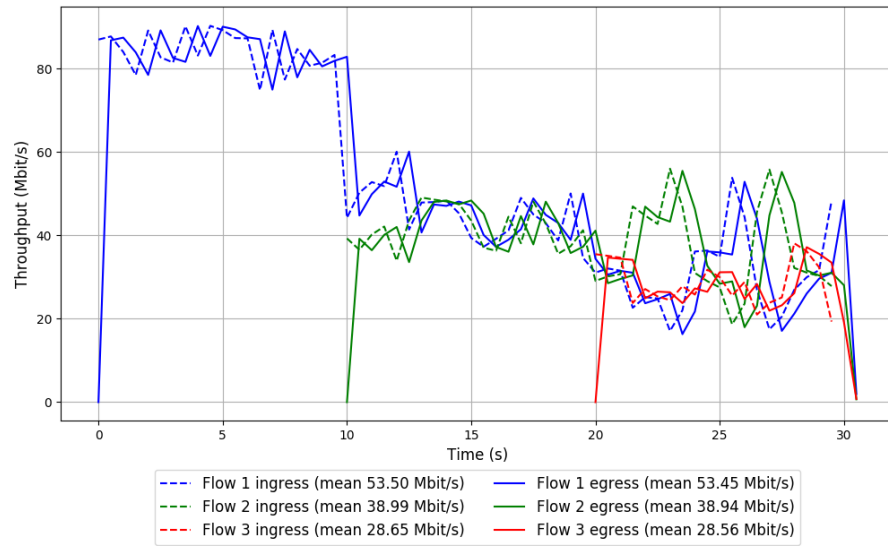
-- Flow 3:

Average throughput: 28.56 Mbit/s

95th percentile per-packet one-way delay: 29.245 ms

Loss rate: 0.05%

Run 2: Report of Copa — Data Link

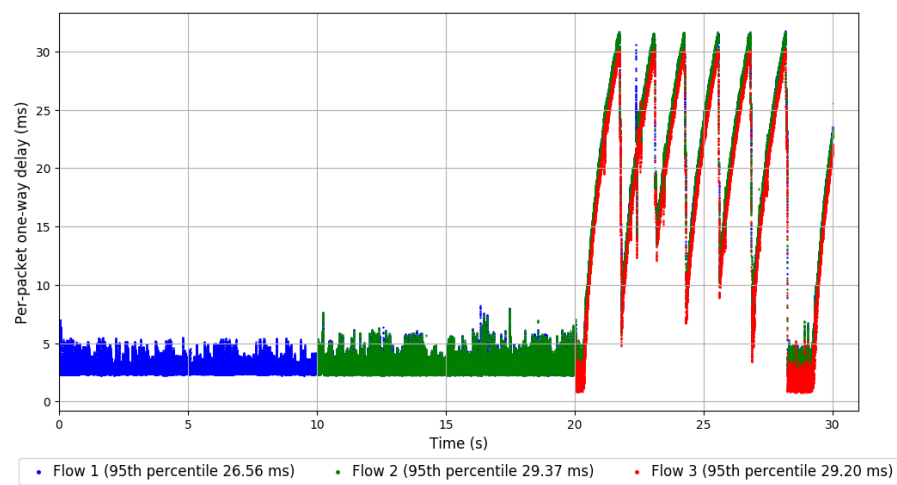
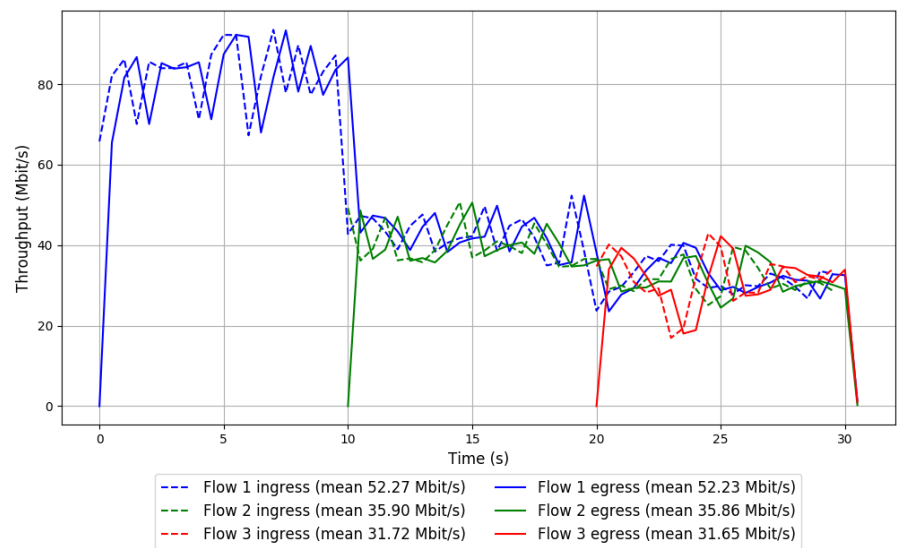


Run 3: Statistics of Copa

Start at: 2018-06-05 12:12:36
End at: 2018-06-05 12:13:06
Local clock offset: -5.709 ms
Remote clock offset: -6.503 ms

Below is generated by plot.py at 2018-06-05 14:30:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.65 Mbit/s
95th percentile per-packet one-way delay: 28.444 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 52.23 Mbit/s
95th percentile per-packet one-way delay: 26.557 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 35.86 Mbit/s
95th percentile per-packet one-way delay: 29.373 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 31.65 Mbit/s
95th percentile per-packet one-way delay: 29.196 ms
Loss rate: 0.02%

Run 3: Report of Copa — Data Link

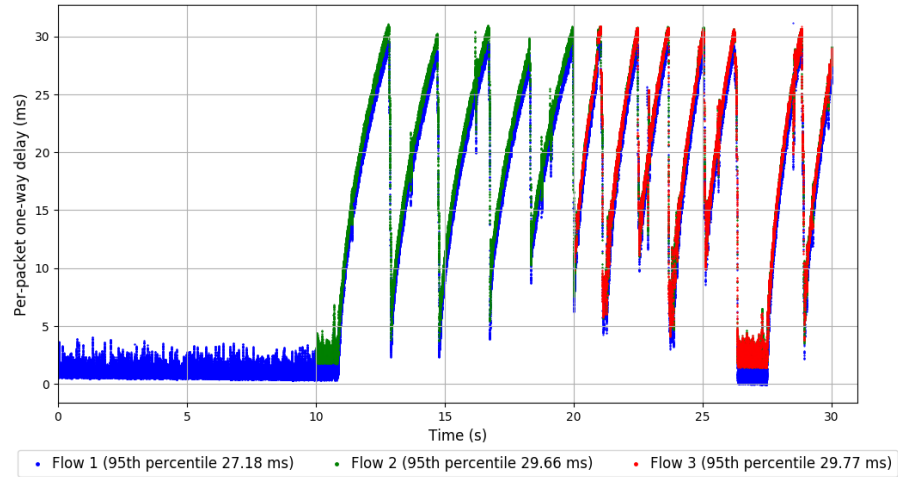
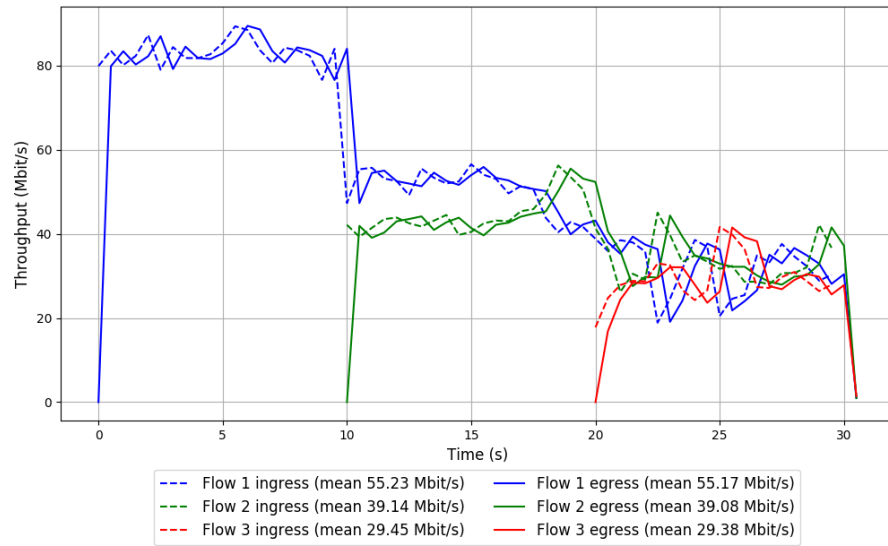


Run 4: Statistics of Copa

Start at: 2018-06-05 12:30:39
End at: 2018-06-05 12:31:09
Local clock offset: -5.997 ms
Remote clock offset: -3.705 ms

Below is generated by plot.py at 2018-06-05 14:30:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.99 Mbit/s
95th percentile per-packet one-way delay: 28.589 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 55.17 Mbit/s
95th percentile per-packet one-way delay: 27.183 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 39.08 Mbit/s
95th percentile per-packet one-way delay: 29.663 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 29.38 Mbit/s
95th percentile per-packet one-way delay: 29.770 ms
Loss rate: 0.03%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-05 12:48:42

End at: 2018-06-05 12:49:12

Local clock offset: -4.847 ms

Remote clock offset: 8.015 ms

Below is generated by plot.py at 2018-06-05 14:30:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.02 Mbit/s

95th percentile per-packet one-way delay: 25.143 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 52.81 Mbit/s

95th percentile per-packet one-way delay: 20.439 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.04 Mbit/s

95th percentile per-packet one-way delay: 25.867 ms

Loss rate: 0.01%

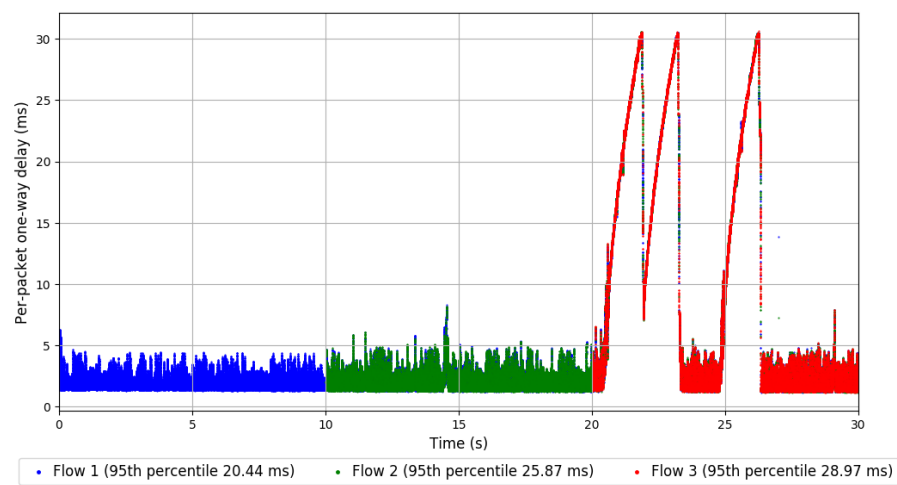
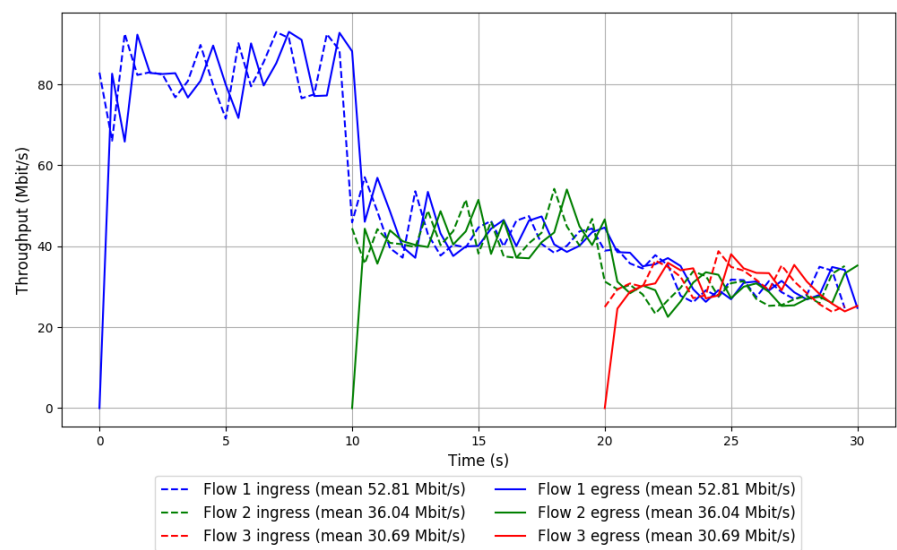
-- Flow 3:

Average throughput: 30.69 Mbit/s

95th percentile per-packet one-way delay: 28.970 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

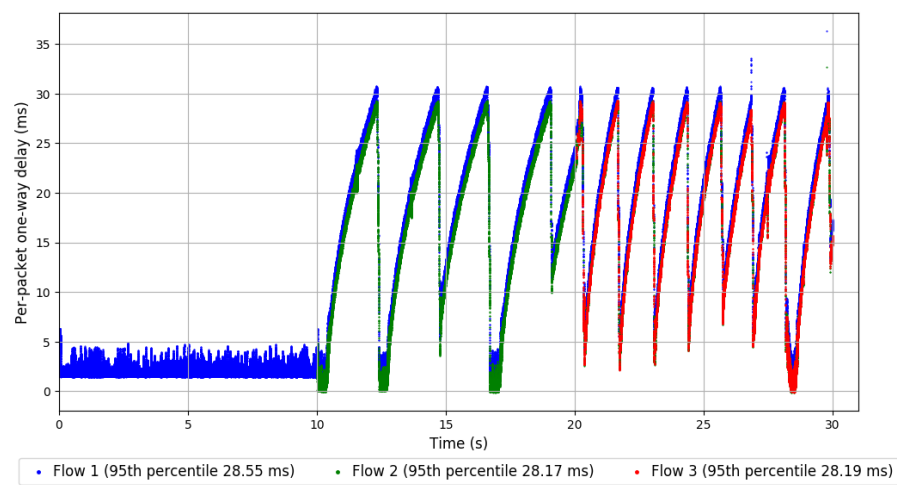
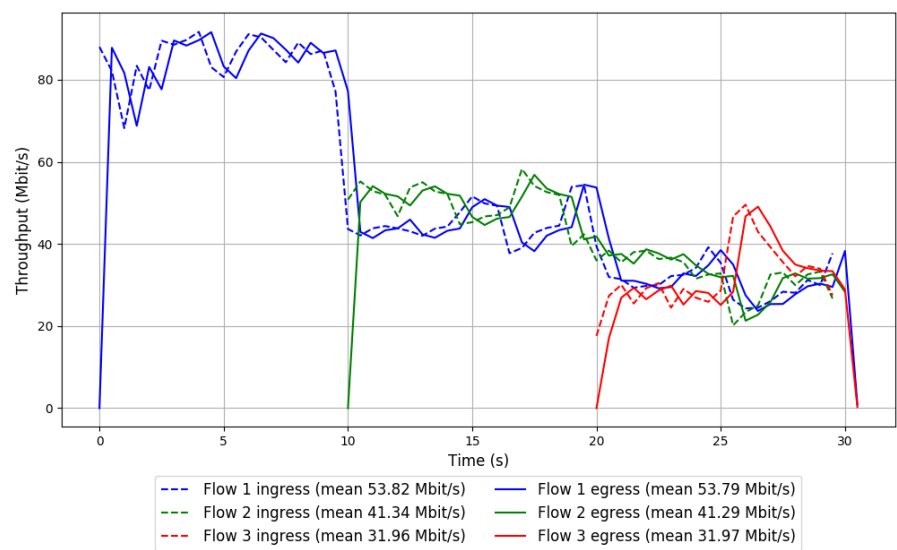


Run 6: Statistics of Copa

Start at: 2018-06-05 13:06:45
End at: 2018-06-05 13:07:16
Local clock offset: -4.822 ms
Remote clock offset: 12.327 ms

Below is generated by plot.py at 2018-06-05 14:30:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.91 Mbit/s
95th percentile per-packet one-way delay: 28.308 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 53.79 Mbit/s
95th percentile per-packet one-way delay: 28.547 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 41.29 Mbit/s
95th percentile per-packet one-way delay: 28.172 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 31.97 Mbit/s
95th percentile per-packet one-way delay: 28.193 ms
Loss rate: 0.04%

Run 6: Report of Copa — Data Link

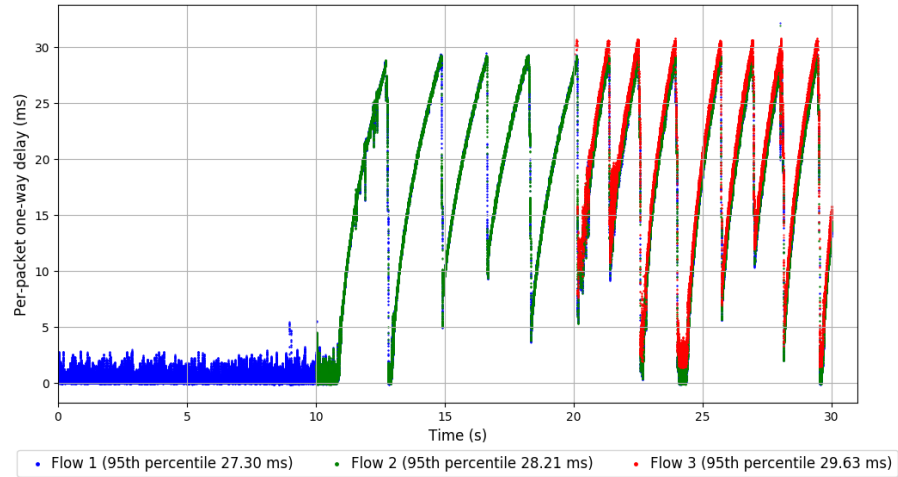
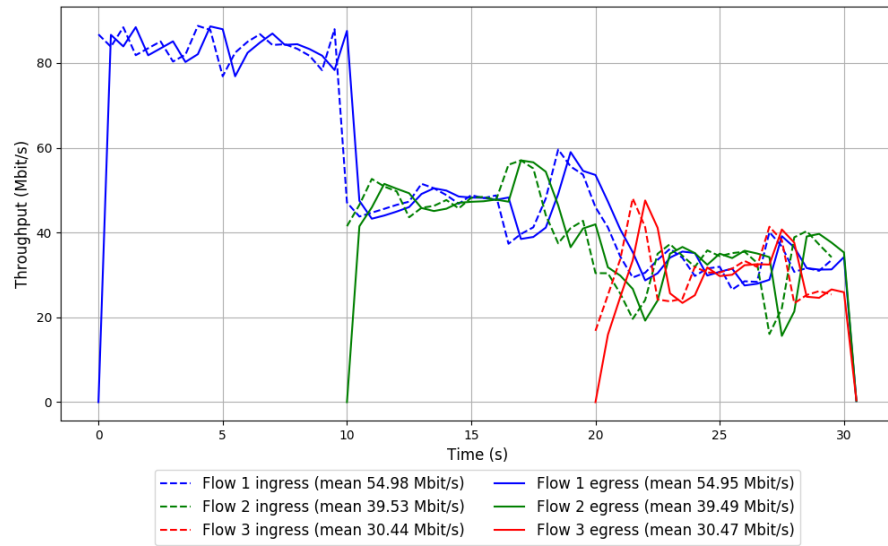


Run 7: Statistics of Copa

Start at: 2018-06-05 13:24:48
End at: 2018-06-05 13:25:18
Local clock offset: -5.077 ms
Remote clock offset: 15.575 ms

Below is generated by plot.py at 2018-06-05 14:31:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 28.055 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 54.95 Mbit/s
95th percentile per-packet one-way delay: 27.297 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 39.49 Mbit/s
95th percentile per-packet one-way delay: 28.207 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 30.47 Mbit/s
95th percentile per-packet one-way delay: 29.628 ms
Loss rate: 0.06%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-06-05 13:42:50

End at: 2018-06-05 13:43:20

Local clock offset: -5.117 ms

Remote clock offset: 4.072 ms

Below is generated by plot.py at 2018-06-05 14:32:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.33 Mbit/s

95th percentile per-packet one-way delay: 29.395 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 54.92 Mbit/s

95th percentile per-packet one-way delay: 28.166 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 41.15 Mbit/s

95th percentile per-packet one-way delay: 30.490 ms

Loss rate: 0.01%

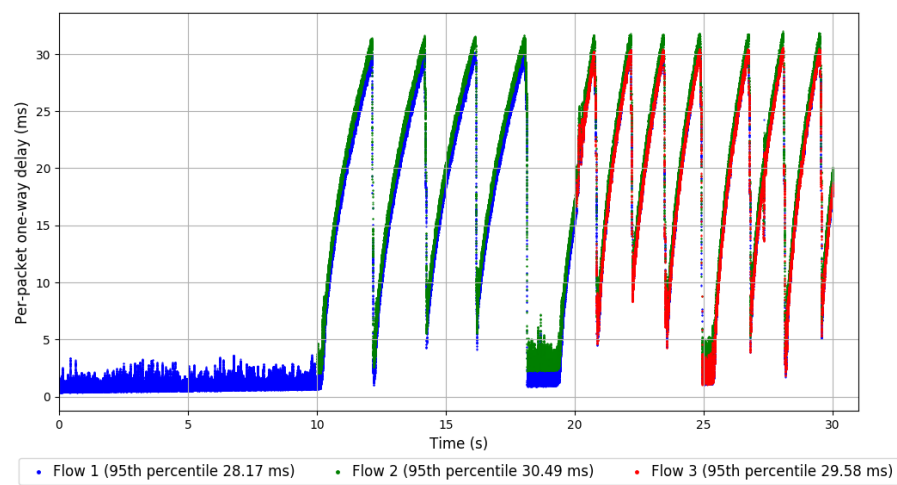
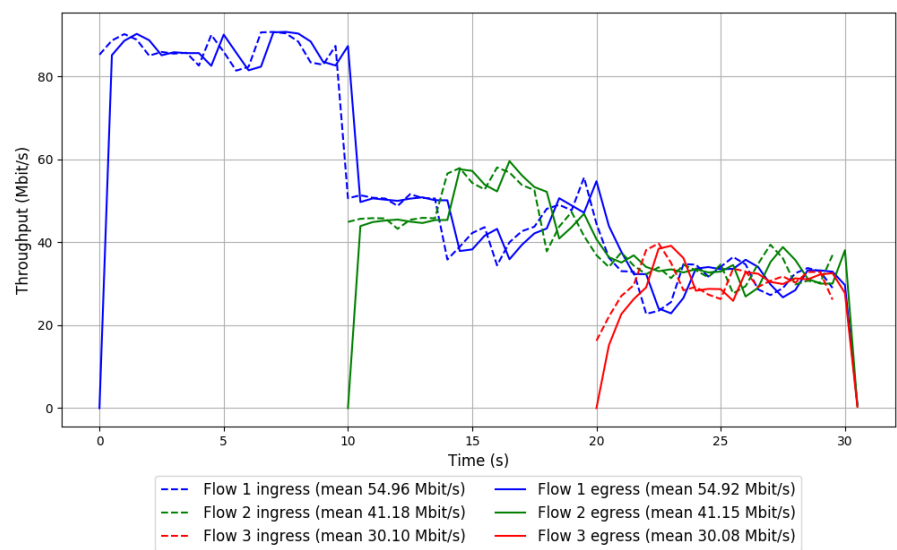
-- Flow 3:

Average throughput: 30.08 Mbit/s

95th percentile per-packet one-way delay: 29.576 ms

Loss rate: 0.04%

Run 8: Report of Copa — Data Link

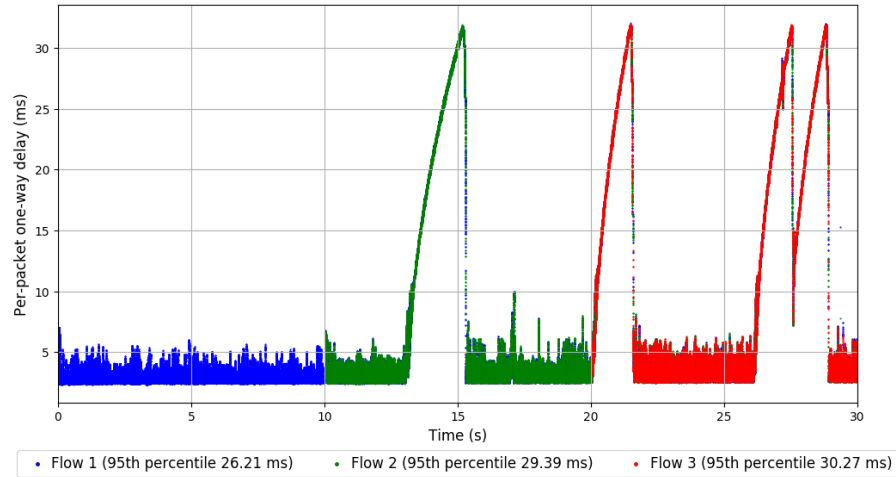
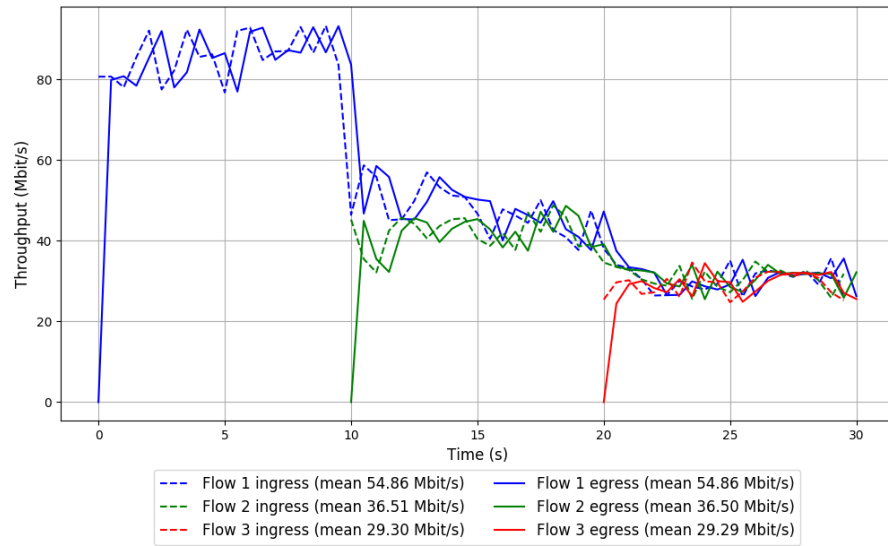


Run 9: Statistics of Copa

Start at: 2018-06-05 14:00:52
End at: 2018-06-05 14:01:22
Local clock offset: -5.888 ms
Remote clock offset: -11.615 ms

Below is generated by plot.py at 2018-06-05 14:32:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.91 Mbit/s
95th percentile per-packet one-way delay: 28.464 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 54.86 Mbit/s
95th percentile per-packet one-way delay: 26.207 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.50 Mbit/s
95th percentile per-packet one-way delay: 29.388 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 29.29 Mbit/s
95th percentile per-packet one-way delay: 30.265 ms
Loss rate: 0.02%

Run 9: Report of Copa — Data Link

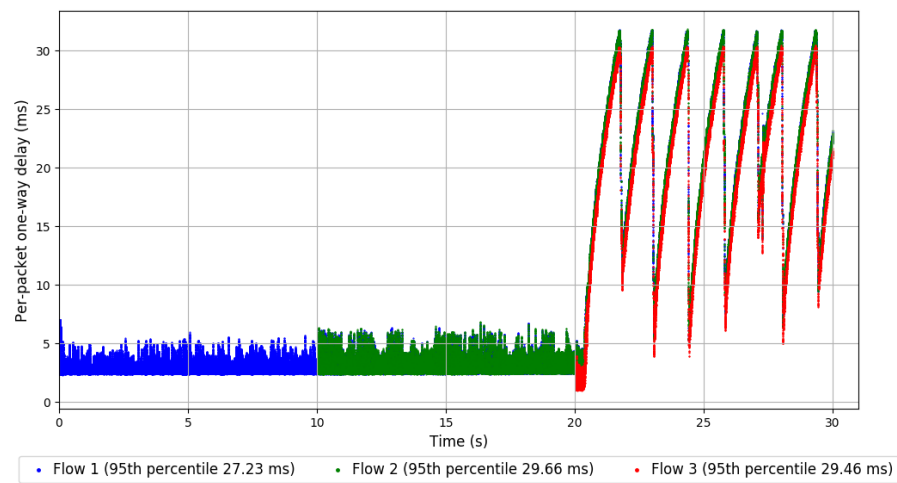
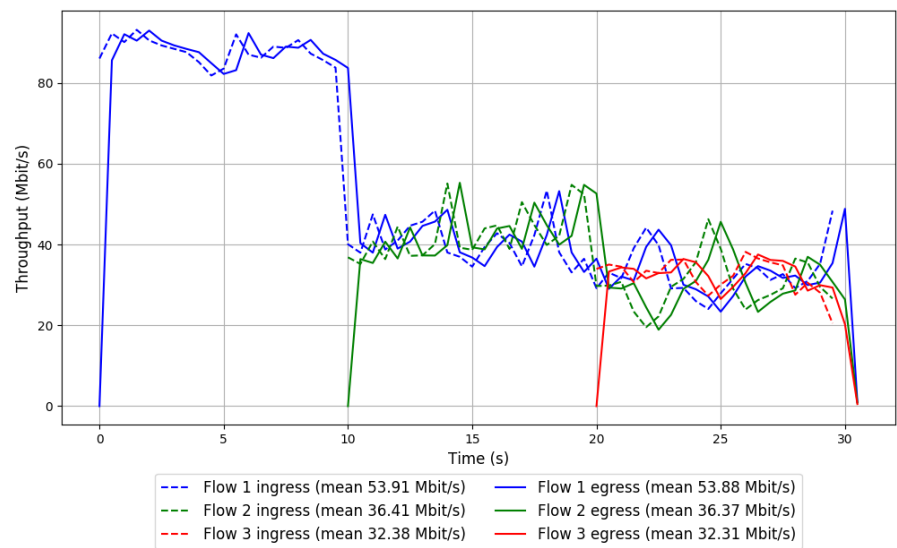


Run 10: Statistics of Copa

Start at: 2018-06-05 14:18:56
End at: 2018-06-05 14:19:26
Local clock offset: -5.811 ms
Remote clock offset: -17.88 ms

Below is generated by plot.py at 2018-06-05 14:32:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.86 Mbit/s
95th percentile per-packet one-way delay: 28.829 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 53.88 Mbit/s
95th percentile per-packet one-way delay: 27.230 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.37 Mbit/s
95th percentile per-packet one-way delay: 29.663 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 32.31 Mbit/s
95th percentile per-packet one-way delay: 29.461 ms
Loss rate: 0.02%

Run 10: Report of Copa — Data Link

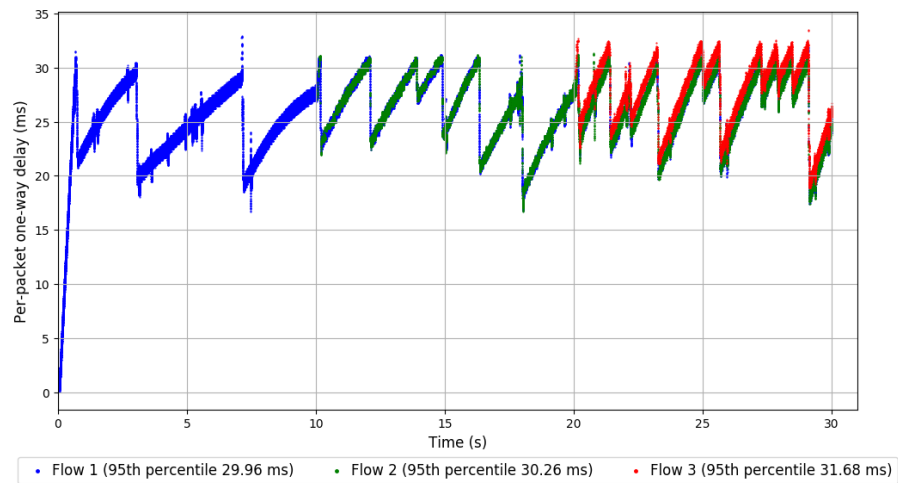
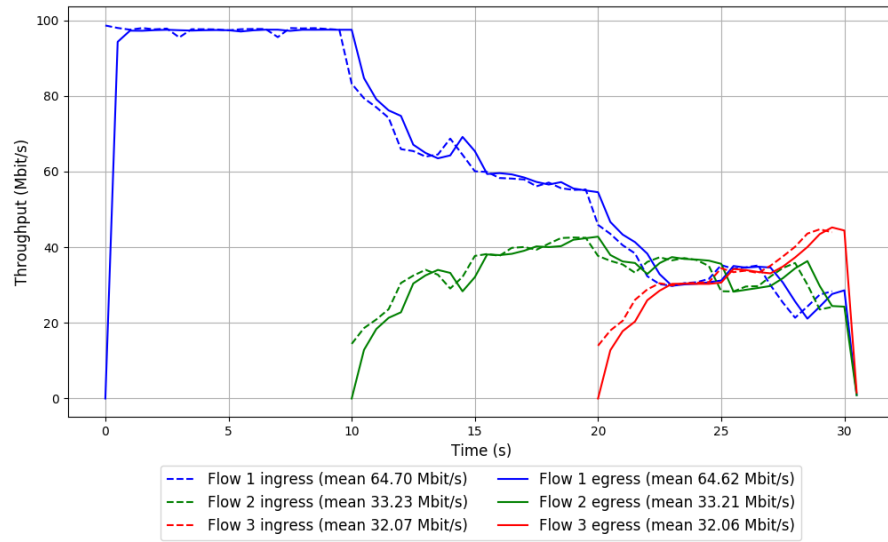


Run 1: Statistics of TCP Cubic

Start at: 2018-06-05 11:37:39
End at: 2018-06-05 11:38:09
Local clock offset: -4.52 ms
Remote clock offset: -6.747 ms

Below is generated by plot.py at 2018-06-05 14:32:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 30.431 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 64.62 Mbit/s
95th percentile per-packet one-way delay: 29.956 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 33.21 Mbit/s
95th percentile per-packet one-way delay: 30.258 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 32.06 Mbit/s
95th percentile per-packet one-way delay: 31.676 ms
Loss rate: 0.08%

Run 1: Report of TCP Cubic — Data Link

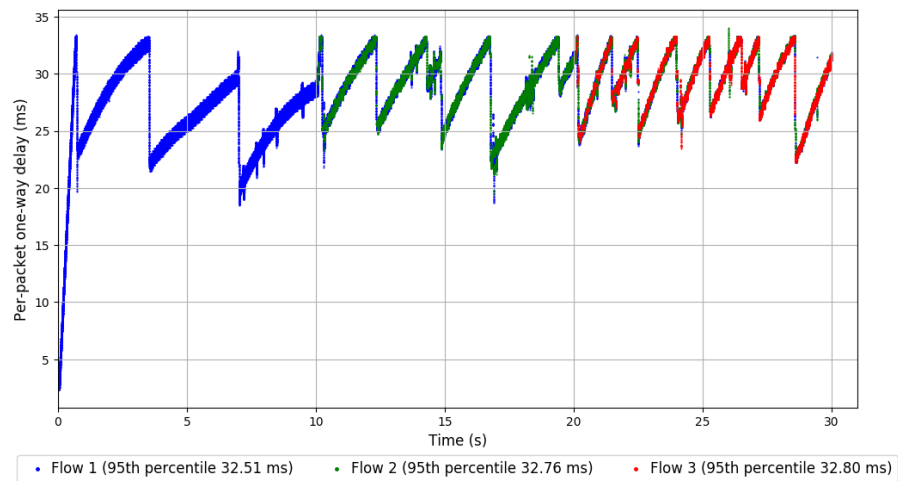
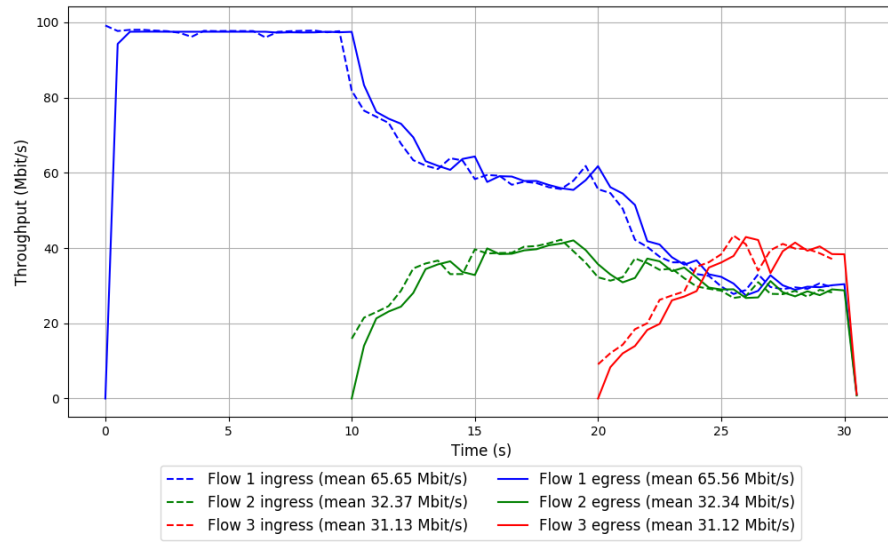


Run 2: Statistics of TCP Cubic

Start at: 2018-06-05 11:55:43
End at: 2018-06-05 11:56:13
Local clock offset: -5.28 ms
Remote clock offset: -6.588 ms

Below is generated by plot.py at 2018-06-05 14:32:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 32.706 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 65.56 Mbit/s
95th percentile per-packet one-way delay: 32.507 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 32.34 Mbit/s
95th percentile per-packet one-way delay: 32.760 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 32.800 ms
Loss rate: 0.03%

Run 2: Report of TCP Cubic — Data Link

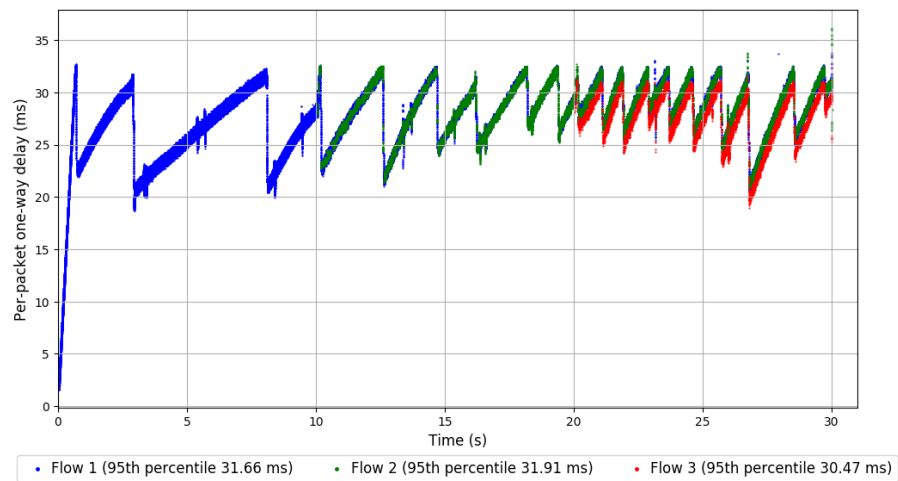
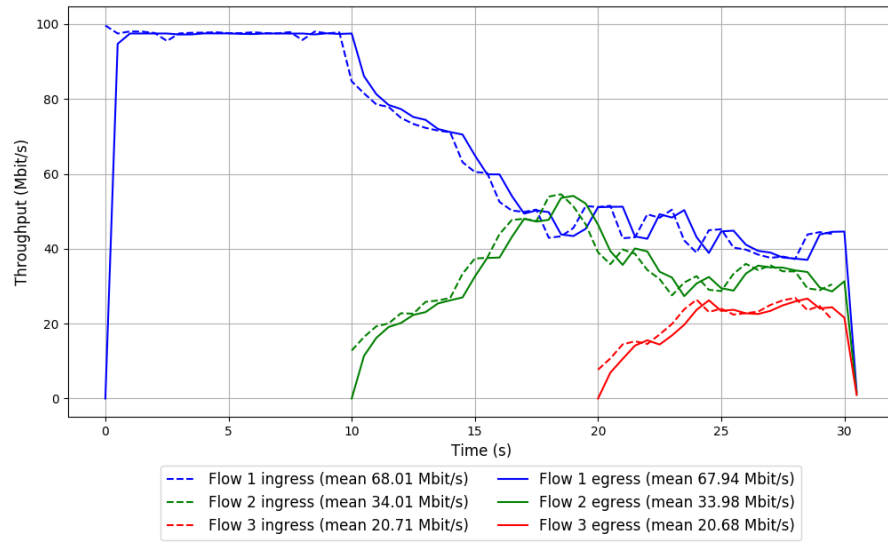


Run 3: Statistics of TCP Cubic

Start at: 2018-06-05 12:13:46
End at: 2018-06-05 12:14:16
Local clock offset: -4.97 ms
Remote clock offset: -6.486 ms

Below is generated by plot.py at 2018-06-05 14:32:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 31.687 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 67.94 Mbit/s
95th percentile per-packet one-way delay: 31.657 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 33.98 Mbit/s
95th percentile per-packet one-way delay: 31.915 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 20.68 Mbit/s
95th percentile per-packet one-way delay: 30.470 ms
Loss rate: 0.14%

Run 3: Report of TCP Cubic — Data Link

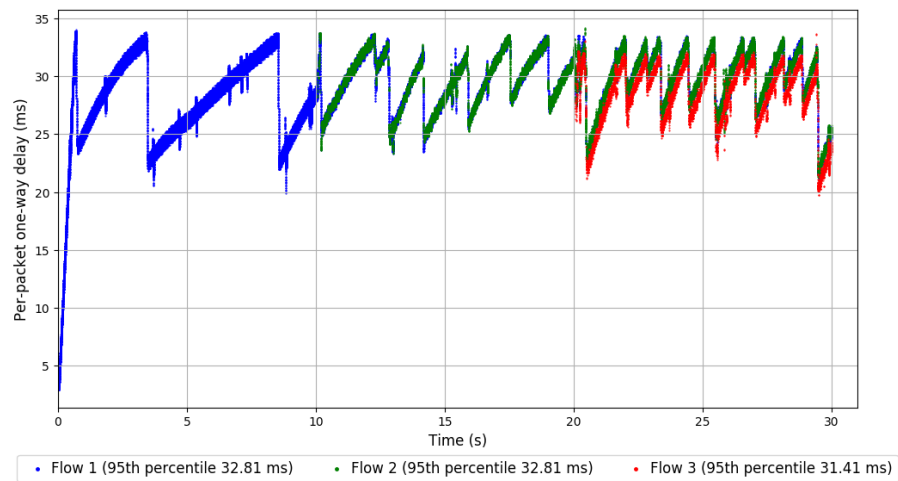
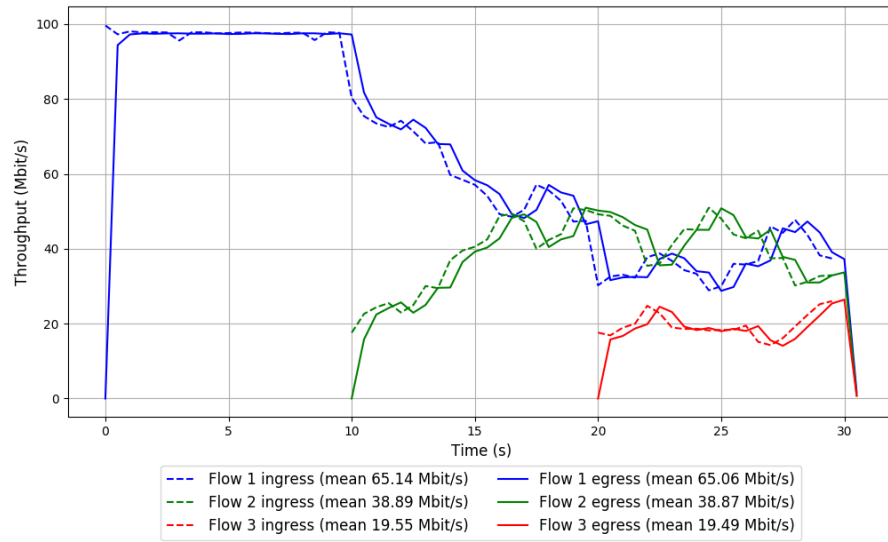


Run 4: Statistics of TCP Cubic

Start at: 2018-06-05 12:31:50
End at: 2018-06-05 12:32:20
Local clock offset: -6.779 ms
Remote clock offset: -2.135 ms

Below is generated by plot.py at 2018-06-05 14:32:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 32.780 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 65.06 Mbit/s
95th percentile per-packet one-way delay: 32.811 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.87 Mbit/s
95th percentile per-packet one-way delay: 32.807 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 19.49 Mbit/s
95th percentile per-packet one-way delay: 31.413 ms
Loss rate: 0.35%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-06-05 12:49:52

End at: 2018-06-05 12:50:22

Local clock offset: -5.666 ms

Remote clock offset: 8.479 ms

Below is generated by plot.py at 2018-06-05 14:33:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.43 Mbit/s

95th percentile per-packet one-way delay: 32.149 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 67.28 Mbit/s

95th percentile per-packet one-way delay: 32.354 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 35.71 Mbit/s

95th percentile per-packet one-way delay: 30.985 ms

Loss rate: 0.07%

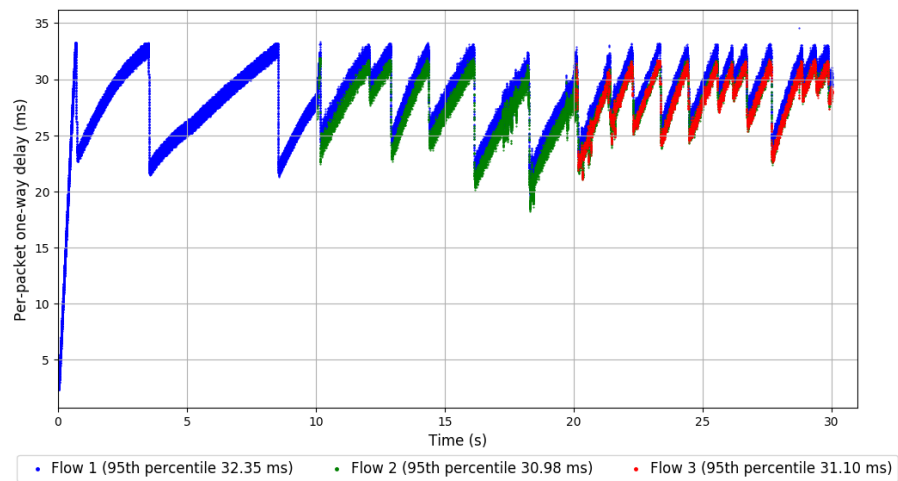
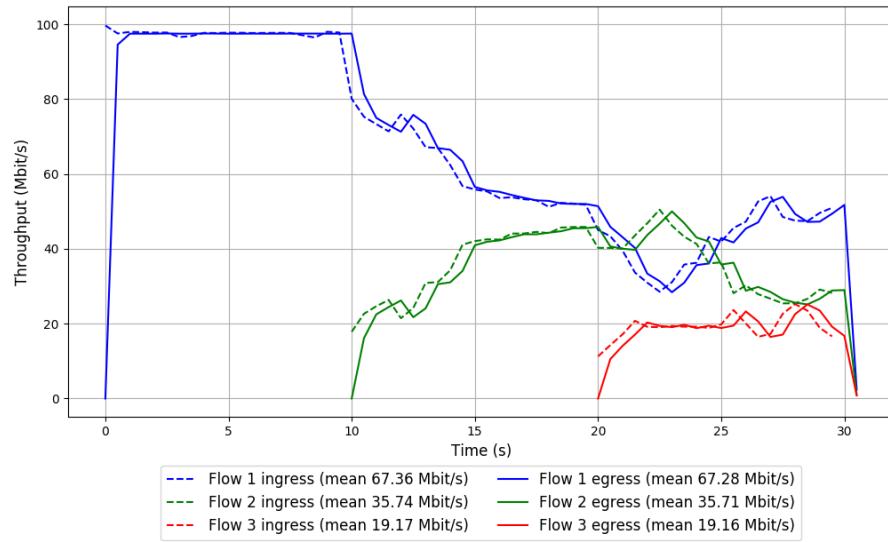
-- Flow 3:

Average throughput: 19.16 Mbit/s

95th percentile per-packet one-way delay: 31.097 ms

Loss rate: 0.08%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-06-05 13:07:56

End at: 2018-06-05 13:08:26

Local clock offset: -5.647 ms

Remote clock offset: 12.51 ms

Below is generated by plot.py at 2018-06-05 14:33:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 32.102 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 71.40 Mbit/s

95th percentile per-packet one-way delay: 32.297 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 28.85 Mbit/s

95th percentile per-packet one-way delay: 31.002 ms

Loss rate: 0.07%

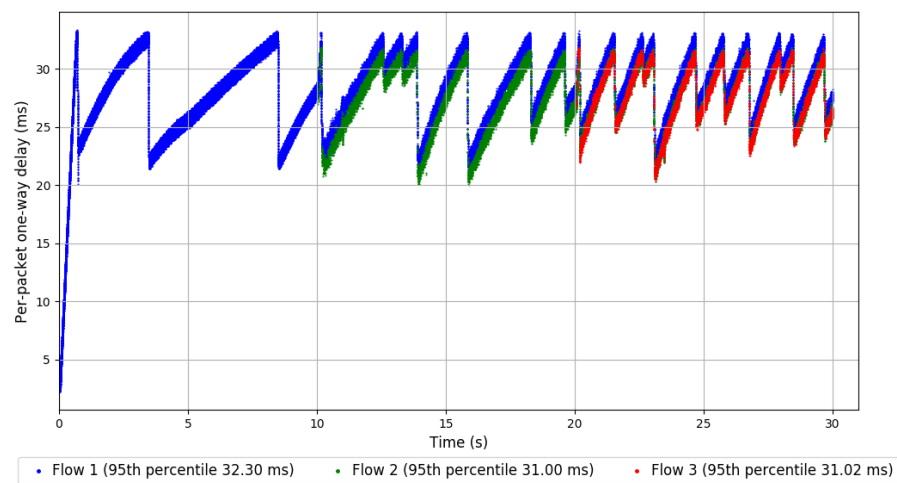
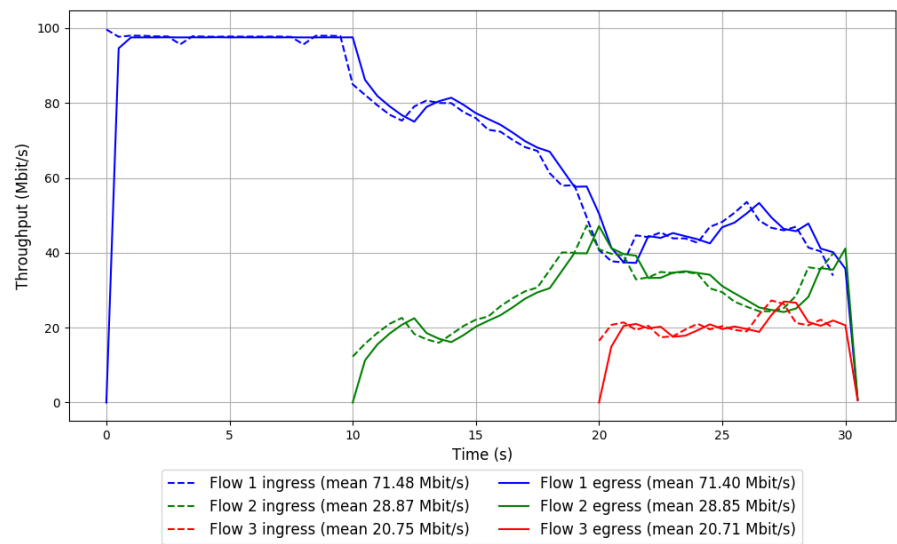
-- Flow 3:

Average throughput: 20.71 Mbit/s

95th percentile per-packet one-way delay: 31.018 ms

Loss rate: 0.22%

Run 6: Report of TCP Cubic — Data Link

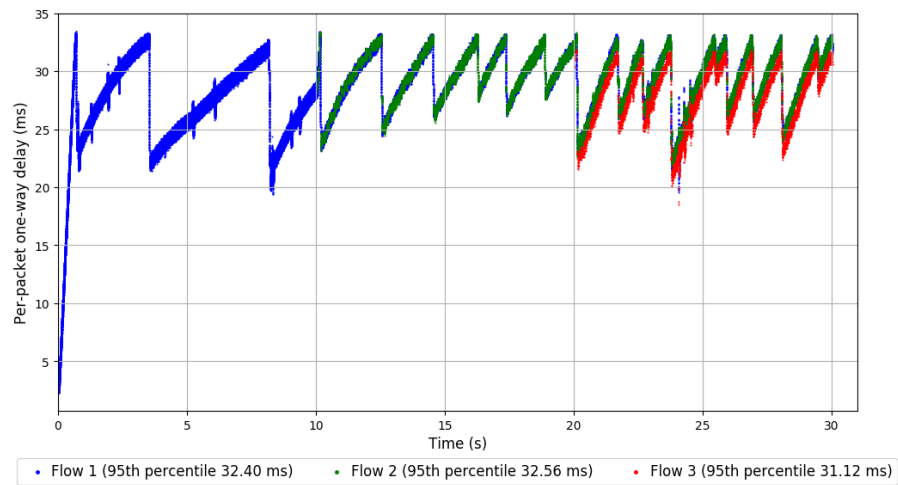
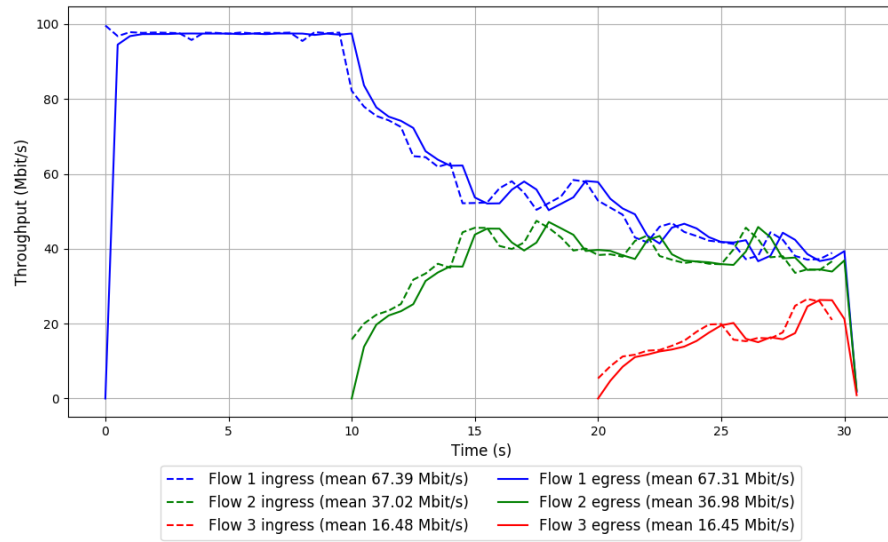


Run 7: Statistics of TCP Cubic

Start at: 2018-06-05 13:25:59
End at: 2018-06-05 13:26:29
Local clock offset: -5.85 ms
Remote clock offset: 15.827 ms

Below is generated by plot.py at 2018-06-05 14:33:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 32.405 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 67.31 Mbit/s
95th percentile per-packet one-way delay: 32.399 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 36.98 Mbit/s
95th percentile per-packet one-way delay: 32.556 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 16.45 Mbit/s
95th percentile per-packet one-way delay: 31.125 ms
Loss rate: 0.18%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-06-05 13:44:00

End at: 2018-06-05 13:44:30

Local clock offset: -5.879 ms

Remote clock offset: 2.138 ms

Below is generated by plot.py at 2018-06-05 14:33:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.81 Mbit/s

95th percentile per-packet one-way delay: 32.113 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 31.888 ms

Loss rate: 11.00%

-- Flow 2:

Average throughput: 75.72 Mbit/s

95th percentile per-packet one-way delay: 31.577 ms

Loss rate: 0.03%

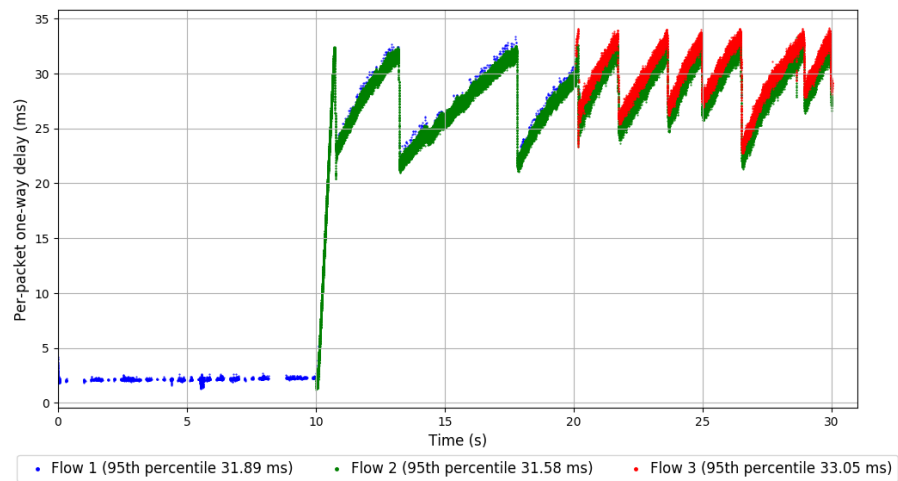
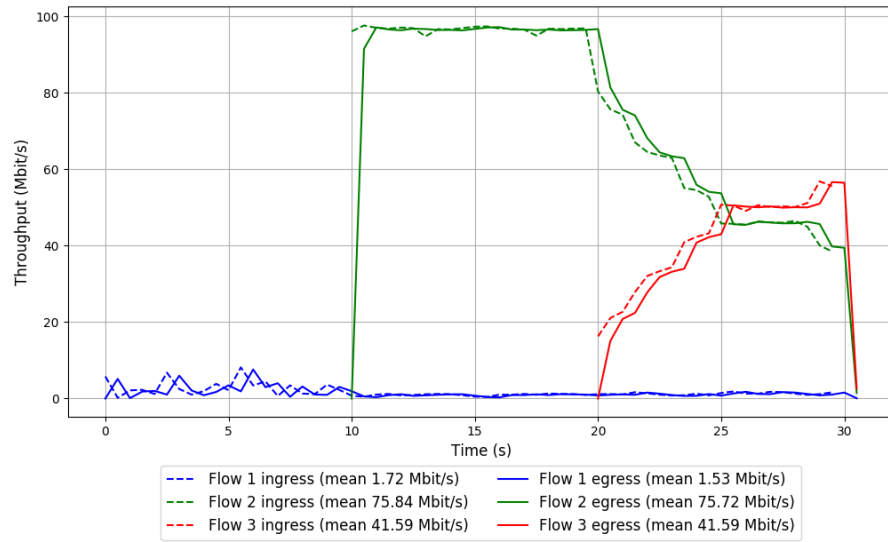
-- Flow 3:

Average throughput: 41.59 Mbit/s

95th percentile per-packet one-way delay: 33.051 ms

Loss rate: 0.03%

Run 8: Report of TCP Cubic — Data Link

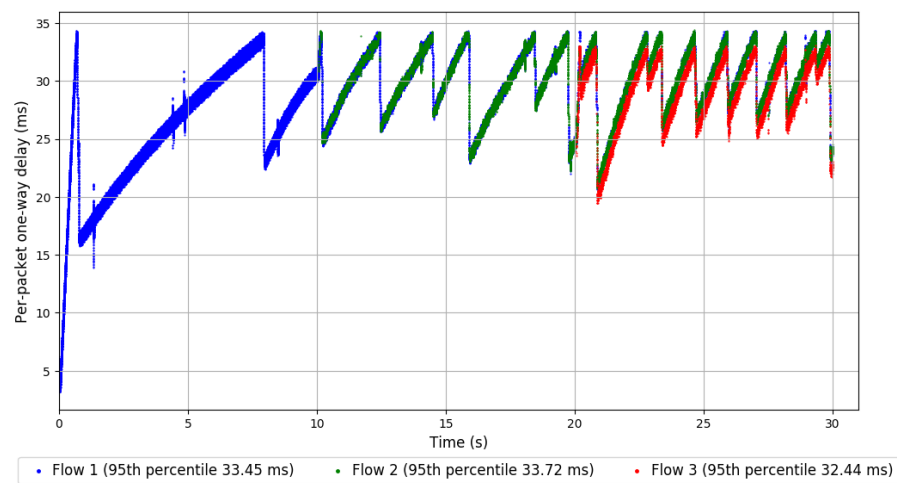
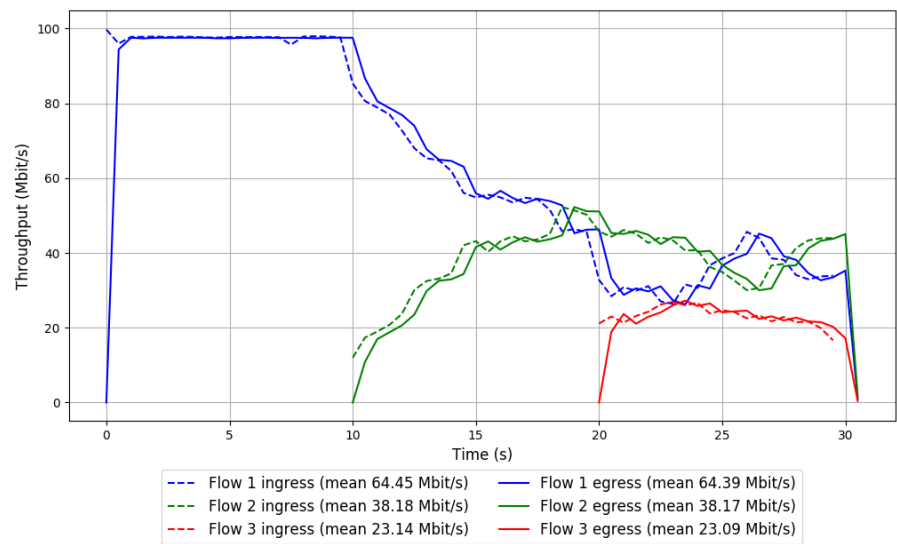


Run 9: Statistics of TCP Cubic

Start at: 2018-06-05 14:02:02
End at: 2018-06-05 14:02:32
Local clock offset: -6.73 ms
Remote clock offset: -12.189 ms

Below is generated by plot.py at 2018-06-05 14:33:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 33.501 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 64.39 Mbit/s
95th percentile per-packet one-way delay: 33.455 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.17 Mbit/s
95th percentile per-packet one-way delay: 33.716 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 23.09 Mbit/s
95th percentile per-packet one-way delay: 32.439 ms
Loss rate: 0.21%

Run 9: Report of TCP Cubic — Data Link

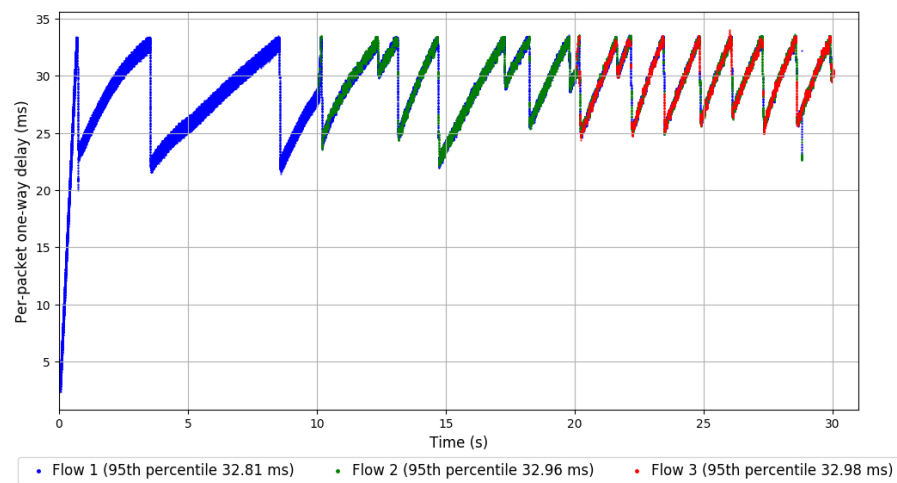
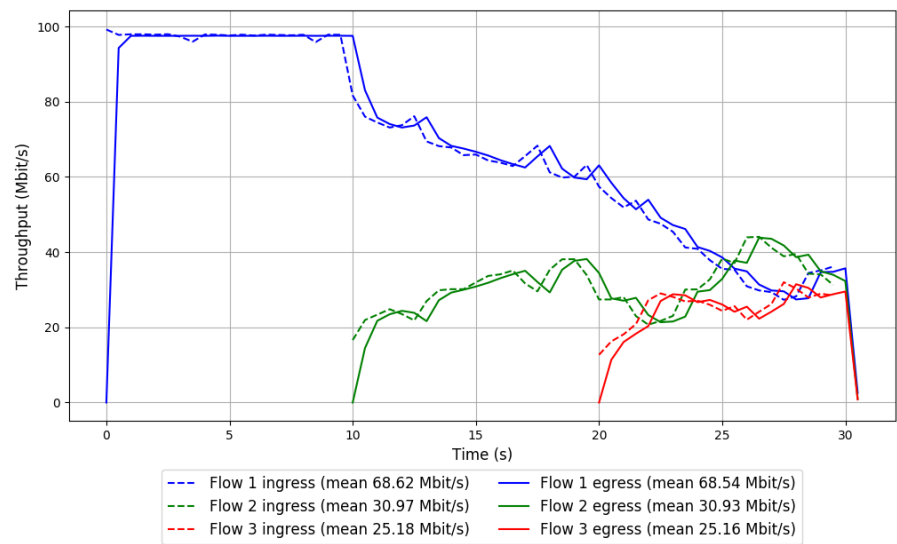


Run 10: Statistics of TCP Cubic

Start at: 2018-06-05 14:20:06
End at: 2018-06-05 14:20:36
Local clock offset: -5.874 ms
Remote clock offset: -18.256 ms

Below is generated by plot.py at 2018-06-05 14:33:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.881 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 68.54 Mbit/s
95th percentile per-packet one-way delay: 32.809 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 30.93 Mbit/s
95th percentile per-packet one-way delay: 32.961 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 25.16 Mbit/s
95th percentile per-packet one-way delay: 32.975 ms
Loss rate: 0.10%

Run 10: Report of TCP Cubic — Data Link

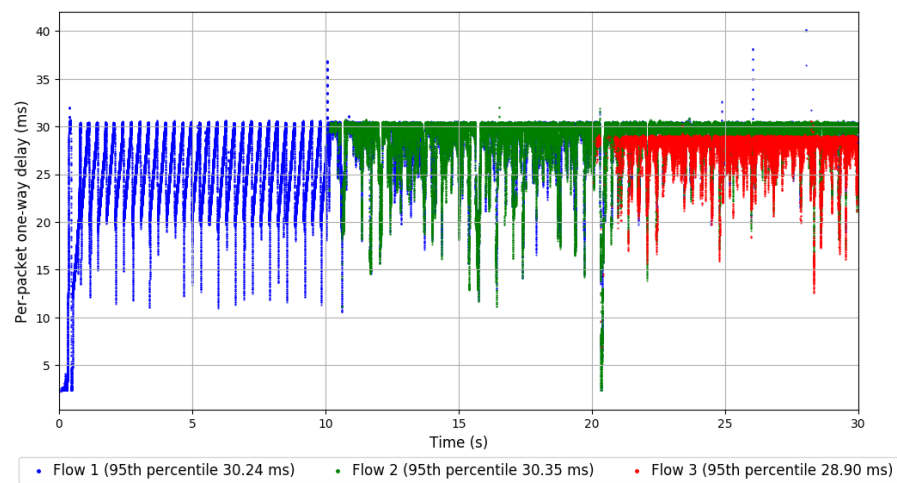
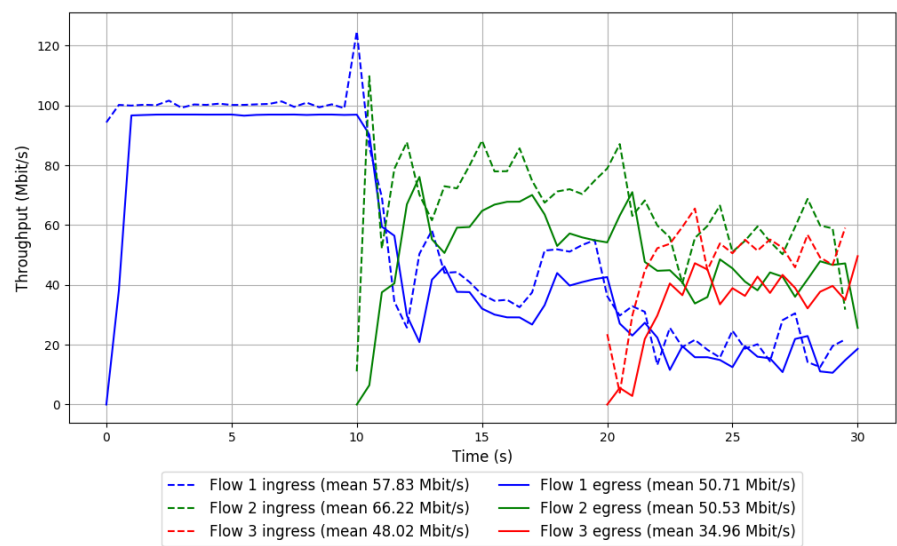


```
Run 1: Statistics of FillP

Start at: 2018-06-05 11:28:38
End at: 2018-06-05 11:29:08
Local clock offset: -5.343 ms
Remote clock offset: -6.98 ms

# Below is generated by plot.py at 2018-06-05 14:34:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 30.286 ms
Loss rate: 18.54%
-- Flow 1:
Average throughput: 50.71 Mbit/s
95th percentile per-packet one-way delay: 30.243 ms
Loss rate: 12.24%
-- Flow 2:
Average throughput: 50.53 Mbit/s
95th percentile per-packet one-way delay: 30.354 ms
Loss rate: 23.68%
-- Flow 3:
Average throughput: 34.96 Mbit/s
95th percentile per-packet one-way delay: 28.900 ms
Loss rate: 27.18%
```

Run 1: Report of FillP — Data Link

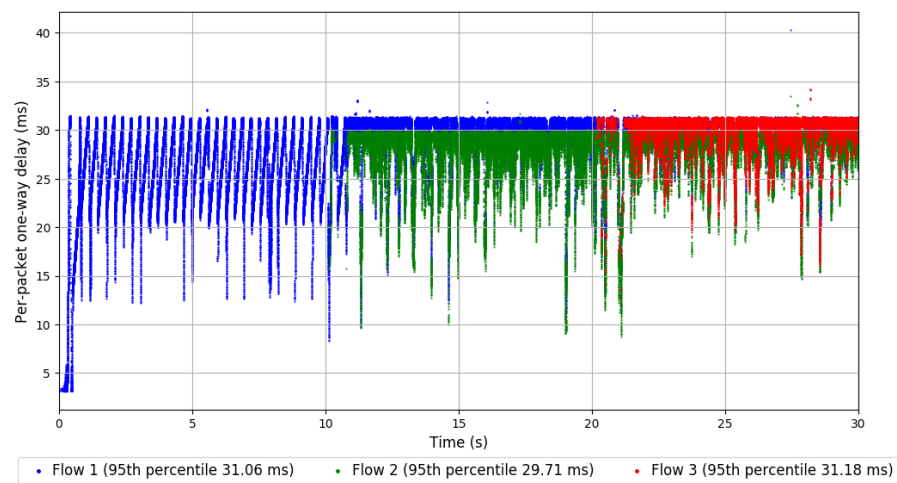
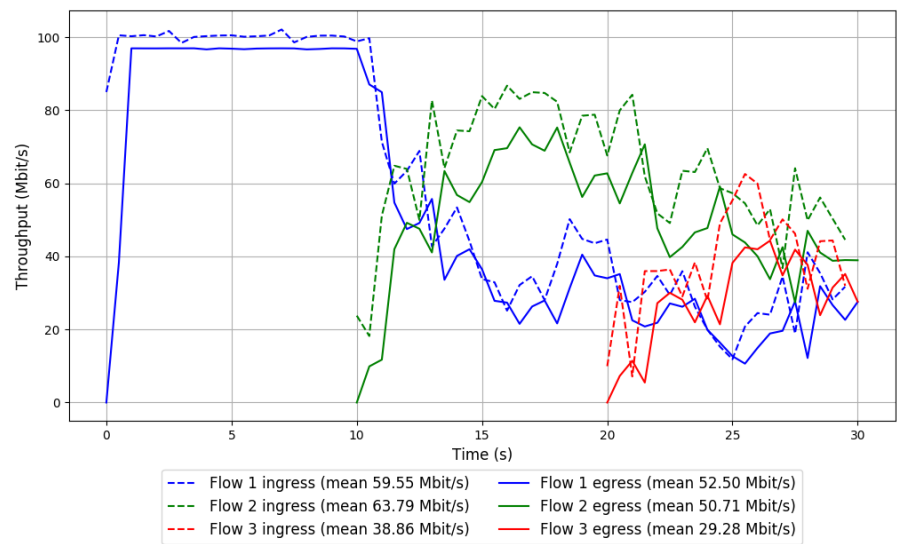


Run 2: Statistics of FillP

Start at: 2018-06-05 11:46:42
End at: 2018-06-05 11:47:12
Local clock offset: -6.152 ms
Remote clock offset: -6.641 ms

Below is generated by plot.py at 2018-06-05 14:34:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 31.026 ms
Loss rate: 16.44%
-- Flow 1:
Average throughput: 52.50 Mbit/s
95th percentile per-packet one-way delay: 31.064 ms
Loss rate: 11.76%
-- Flow 2:
Average throughput: 50.71 Mbit/s
95th percentile per-packet one-way delay: 29.711 ms
Loss rate: 20.50%
-- Flow 3:
Average throughput: 29.28 Mbit/s
95th percentile per-packet one-way delay: 31.184 ms
Loss rate: 24.66%

Run 2: Report of FillP — Data Link

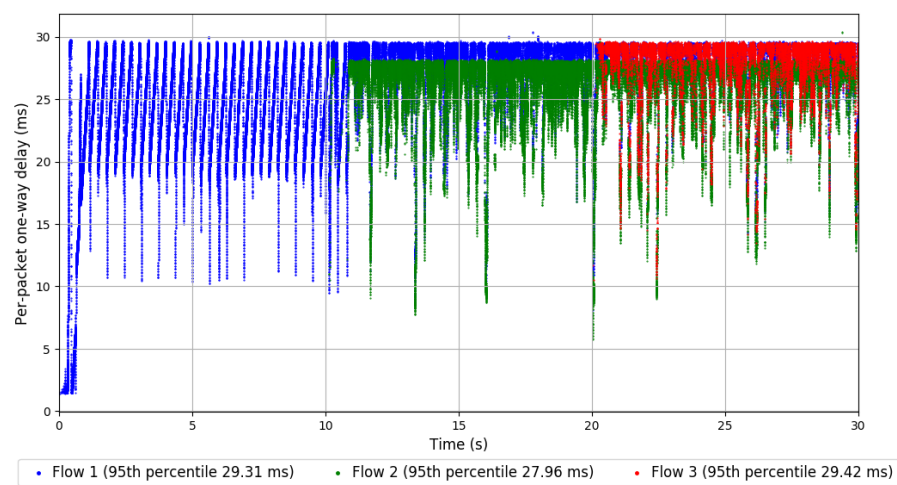
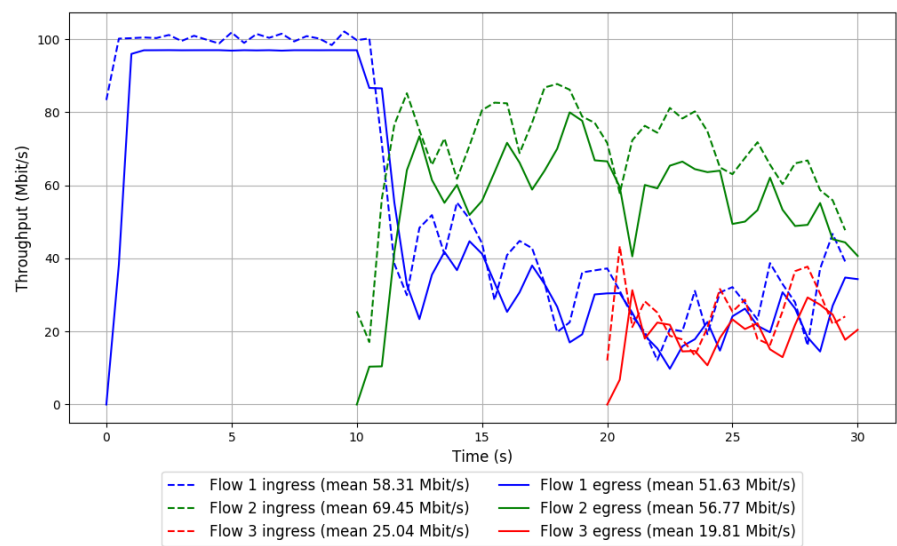


Run 3: Statistics of FillP

Start at: 2018-06-05 12:04:45
End at: 2018-06-05 12:05:15
Local clock offset: -4.458 ms
Remote clock offset: -6.612 ms

Below is generated by plot.py at 2018-06-05 14:34:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 29.253 ms
Loss rate: 14.89%
-- Flow 1:
Average throughput: 51.63 Mbit/s
95th percentile per-packet one-way delay: 29.311 ms
Loss rate: 11.39%
-- Flow 2:
Average throughput: 56.77 Mbit/s
95th percentile per-packet one-way delay: 27.965 ms
Loss rate: 18.25%
-- Flow 3:
Average throughput: 19.81 Mbit/s
95th percentile per-packet one-way delay: 29.416 ms
Loss rate: 20.77%

Run 3: Report of FillP — Data Link

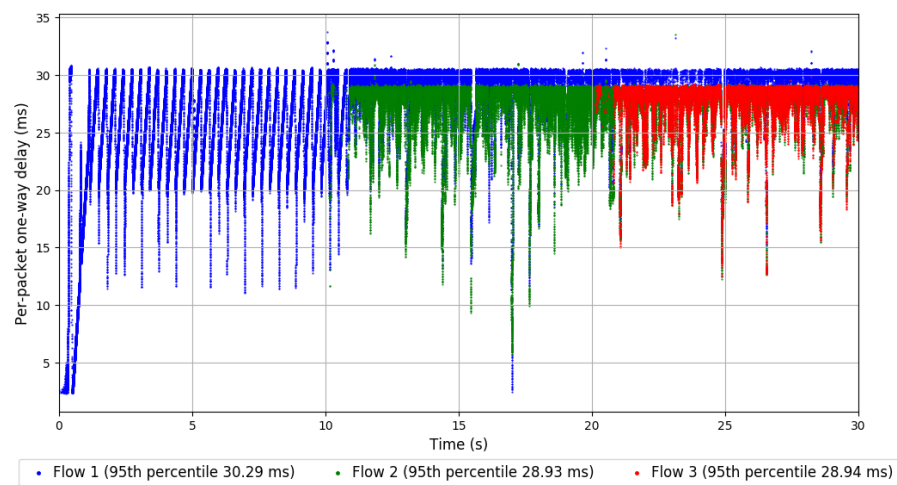
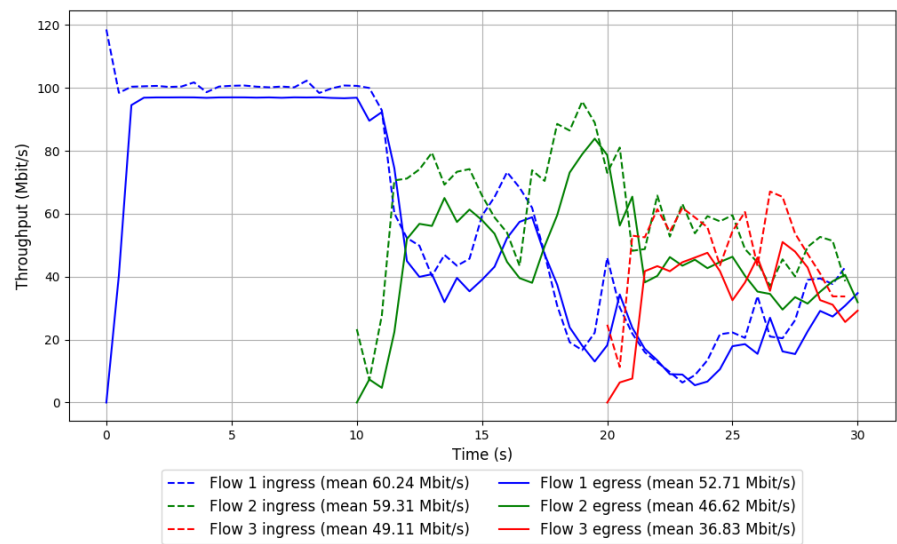


Run 4: Statistics of FillP

Start at: 2018-06-05 12:22:49
End at: 2018-06-05 12:23:19
Local clock offset: -5.993 ms
Remote clock offset: -6.452 ms

Below is generated by plot.py at 2018-06-05 14:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 30.191 ms
Loss rate: 17.25%
-- Flow 1:
Average throughput: 52.71 Mbit/s
95th percentile per-packet one-way delay: 30.294 ms
Loss rate: 12.43%
-- Flow 2:
Average throughput: 46.62 Mbit/s
95th percentile per-packet one-way delay: 28.925 ms
Loss rate: 21.40%
-- Flow 3:
Average throughput: 36.83 Mbit/s
95th percentile per-packet one-way delay: 28.937 ms
Loss rate: 24.97%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-06-05 12:40:52

End at: 2018-06-05 12:41:22

Local clock offset: -5.774 ms

Remote clock offset: 4.949 ms

Below is generated by plot.py at 2018-06-05 14:34:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.02 Mbit/s

95th percentile per-packet one-way delay: 29.633 ms

Loss rate: 17.04%

-- Flow 1:

Average throughput: 51.08 Mbit/s

95th percentile per-packet one-way delay: 28.552 ms

Loss rate: 12.21%

-- Flow 2:

Average throughput: 47.86 Mbit/s

95th percentile per-packet one-way delay: 28.611 ms

Loss rate: 21.26%

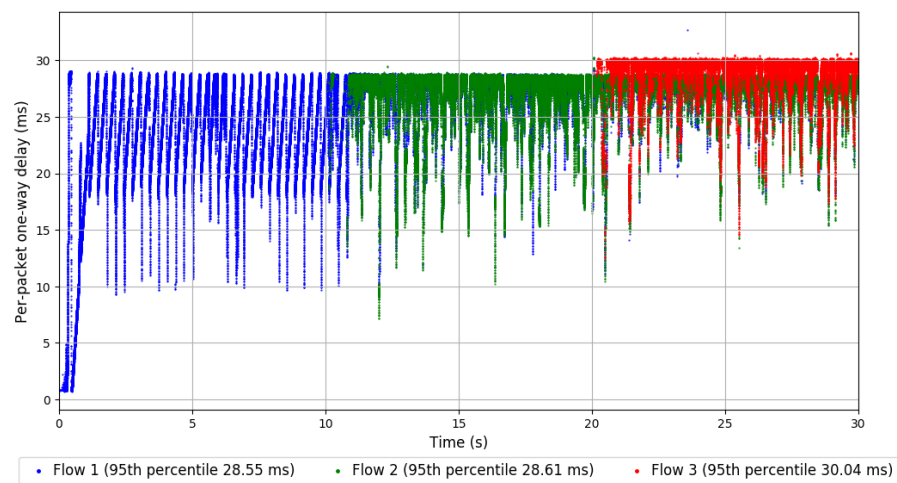
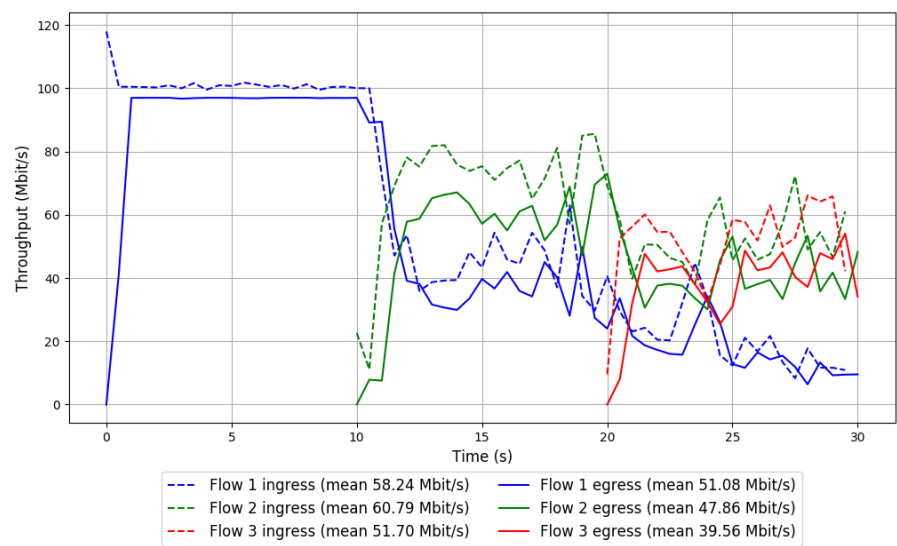
-- Flow 3:

Average throughput: 39.56 Mbit/s

95th percentile per-packet one-way delay: 30.037 ms

Loss rate: 23.47%

Run 5: Report of FillP — Data Link

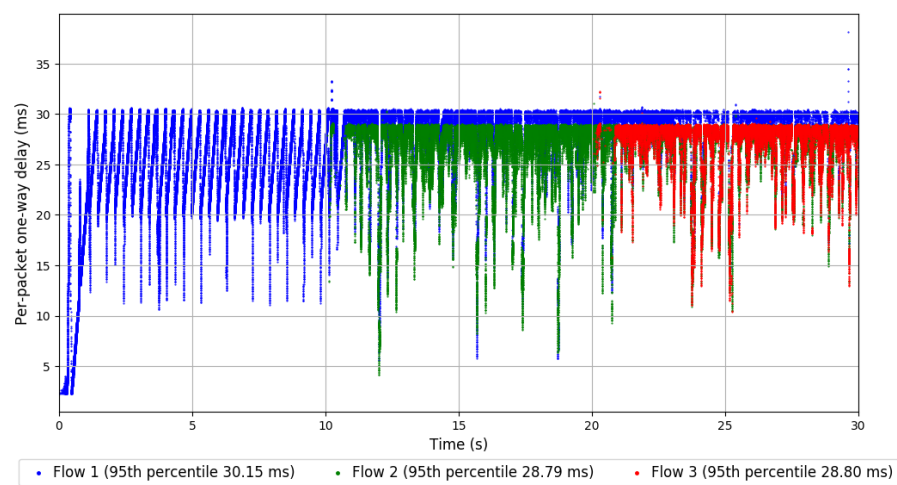
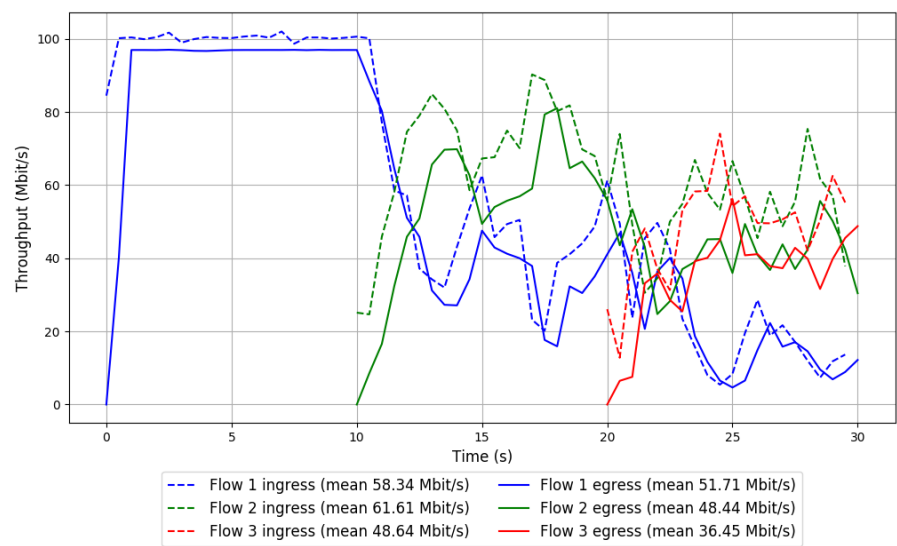


Run 6: Statistics of FillP

Start at: 2018-06-05 12:58:55
End at: 2018-06-05 12:59:25
Local clock offset: -5.538 ms
Remote clock offset: 10.782 ms

Below is generated by plot.py at 2018-06-05 14:34:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 30.043 ms
Loss rate: 16.79%
-- Flow 1:
Average throughput: 51.71 Mbit/s
95th percentile per-packet one-way delay: 30.154 ms
Loss rate: 11.28%
-- Flow 2:
Average throughput: 48.44 Mbit/s
95th percentile per-packet one-way delay: 28.787 ms
Loss rate: 21.37%
-- Flow 3:
Average throughput: 36.45 Mbit/s
95th percentile per-packet one-way delay: 28.795 ms
Loss rate: 25.06%

Run 6: Report of FillP — Data Link

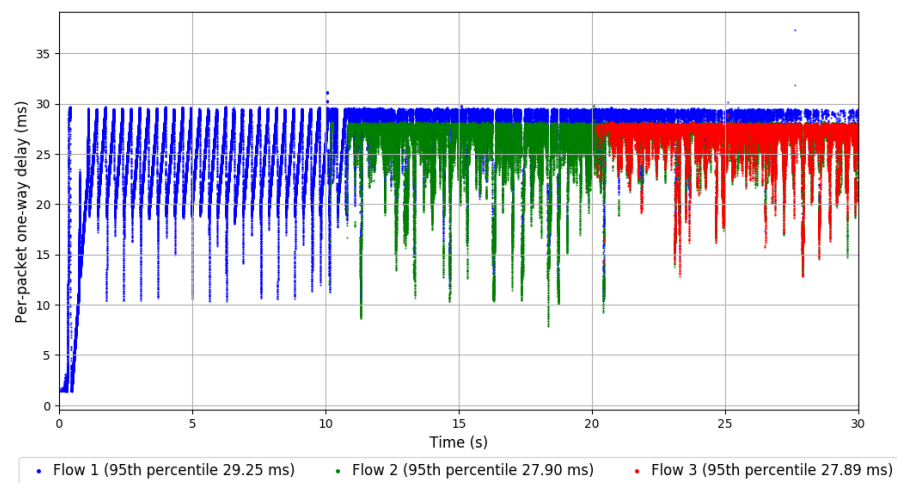
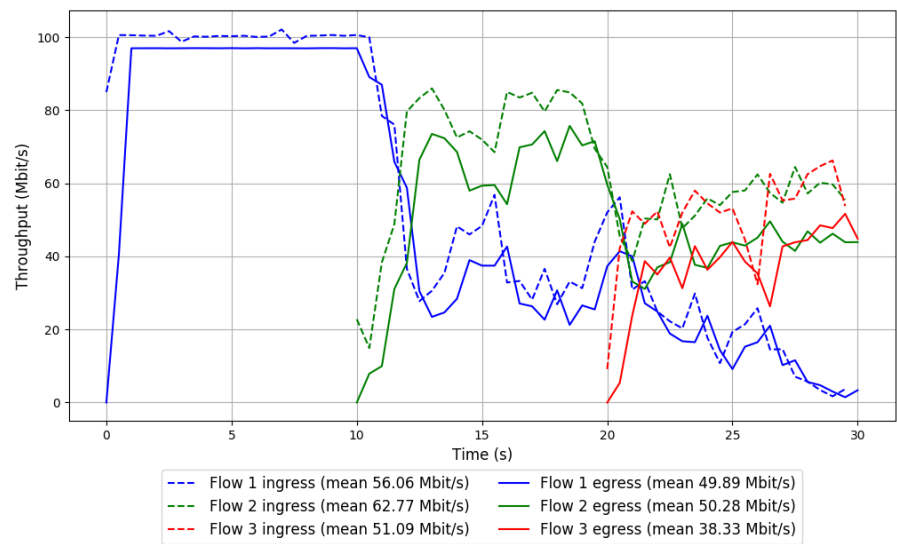


Run 7: Statistics of FillP

Start at: 2018-06-05 13:16:58
End at: 2018-06-05 13:17:28
Local clock offset: -5.016 ms
Remote clock offset: 14.12 ms

Below is generated by plot.py at 2018-06-05 14:34:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 29.118 ms
Loss rate: 16.28%
-- Flow 1:
Average throughput: 49.89 Mbit/s
95th percentile per-packet one-way delay: 29.248 ms
Loss rate: 10.93%
-- Flow 2:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 27.904 ms
Loss rate: 19.91%
-- Flow 3:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: 27.885 ms
Loss rate: 25.03%

Run 7: Report of FillP — Data Link

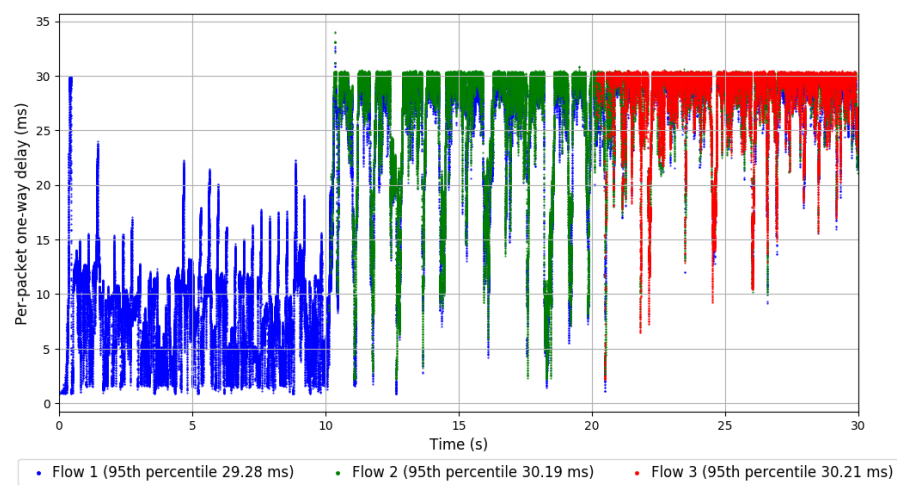
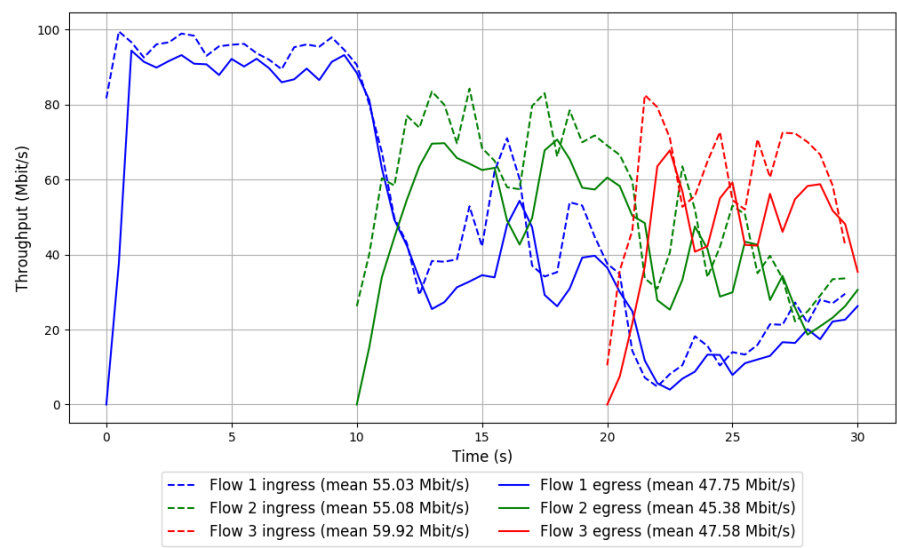


Run 8: Statistics of FillP

Start at: 2018-06-05 13:35:00
End at: 2018-06-05 13:35:30
Local clock offset: -5.872 ms
Remote clock offset: 17.385 ms

Below is generated by plot.py at 2018-06-05 14:35:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 30.095 ms
Loss rate: 15.94%
-- Flow 1:
Average throughput: 47.75 Mbit/s
95th percentile per-packet one-way delay: 29.279 ms
Loss rate: 13.17%
-- Flow 2:
Average throughput: 45.38 Mbit/s
95th percentile per-packet one-way delay: 30.194 ms
Loss rate: 17.54%
-- Flow 3:
Average throughput: 47.58 Mbit/s
95th percentile per-packet one-way delay: 30.214 ms
Loss rate: 20.63%

Run 8: Report of FillP — Data Link

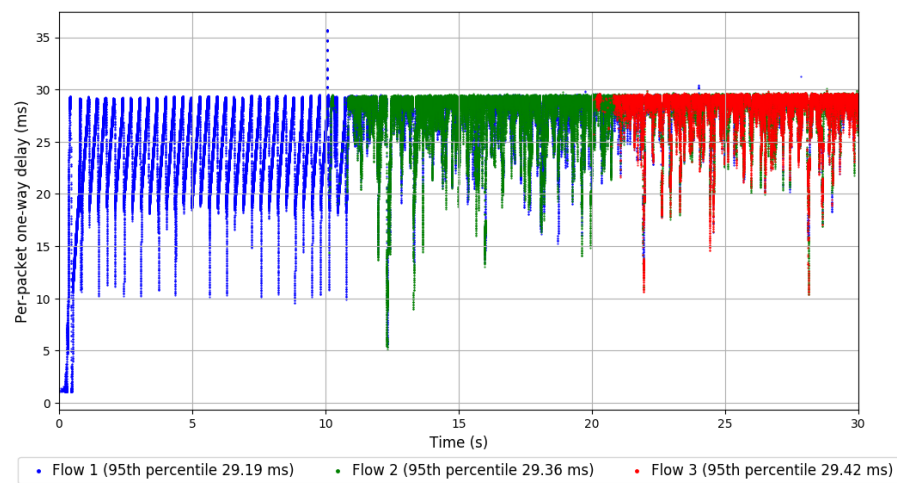
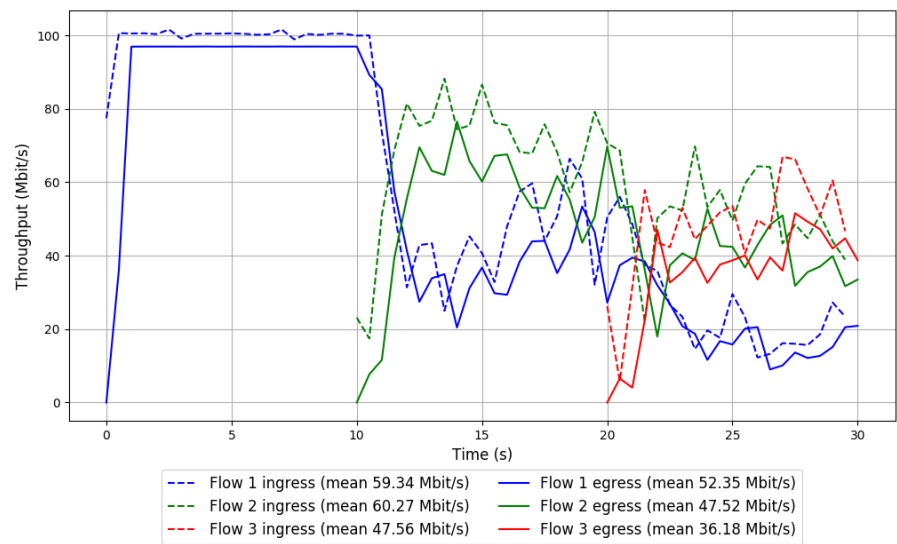


Run 9: Statistics of FillP

Start at: 2018-06-05 13:53:01
End at: 2018-06-05 13:53:31
Local clock offset: -5.893 ms
Remote clock offset: -7.194 ms

Below is generated by plot.py at 2018-06-05 14:36:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 29.323 ms
Loss rate: 16.67%
-- Flow 1:
Average throughput: 52.35 Mbit/s
95th percentile per-packet one-way delay: 29.188 ms
Loss rate: 11.70%
-- Flow 2:
Average throughput: 47.52 Mbit/s
95th percentile per-packet one-way delay: 29.363 ms
Loss rate: 21.16%
-- Flow 3:
Average throughput: 36.18 Mbit/s
95th percentile per-packet one-way delay: 29.421 ms
Loss rate: 23.94%

Run 9: Report of FillP — Data Link

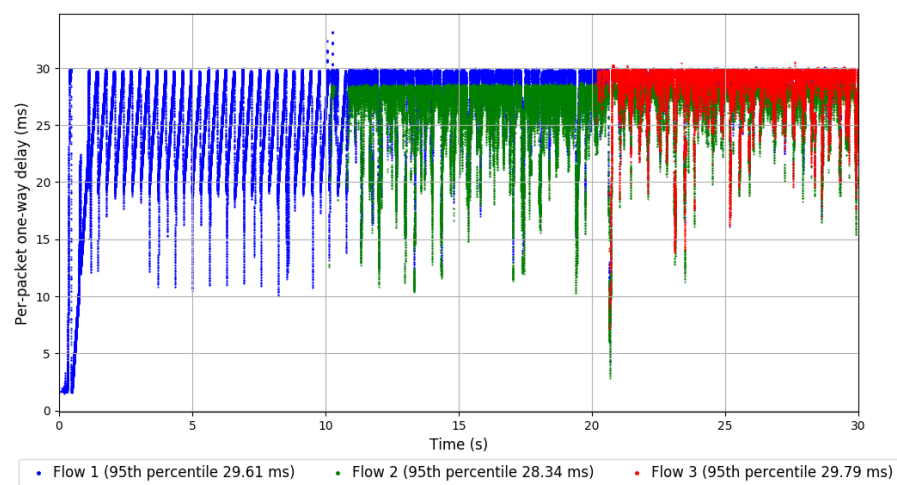
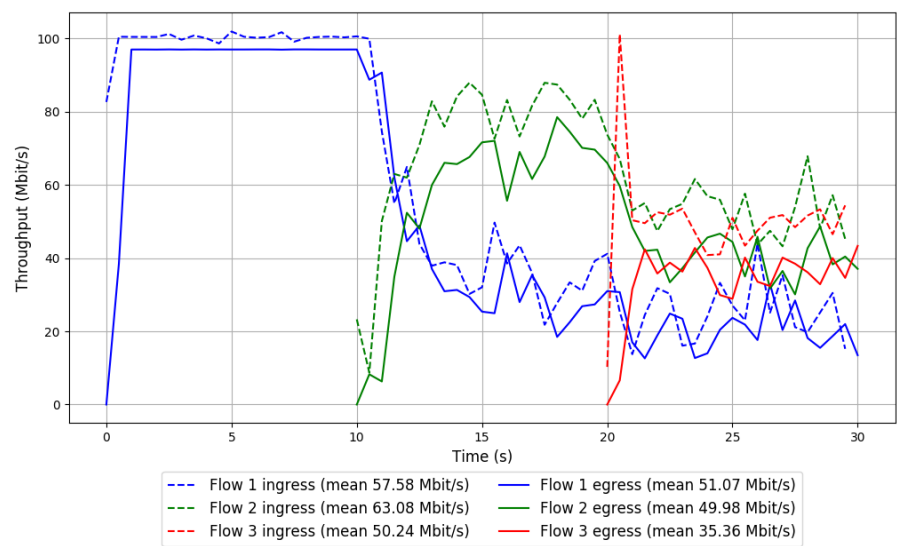


Run 10: Statistics of FillP

Start at: 2018-06-05 14:11:05
End at: 2018-06-05 14:11:35
Local clock offset: -5.08 ms
Remote clock offset: -15.461 ms

Below is generated by plot.py at 2018-06-05 14:36:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 29.607 ms
Loss rate: 17.30%
-- Flow 1:
Average throughput: 51.07 Mbit/s
95th percentile per-packet one-way delay: 29.613 ms
Loss rate: 11.23%
-- Flow 2:
Average throughput: 49.98 Mbit/s
95th percentile per-packet one-way delay: 28.342 ms
Loss rate: 20.75%
-- Flow 3:
Average throughput: 35.36 Mbit/s
95th percentile per-packet one-way delay: 29.790 ms
Loss rate: 29.61%

Run 10: Report of FillP — Data Link

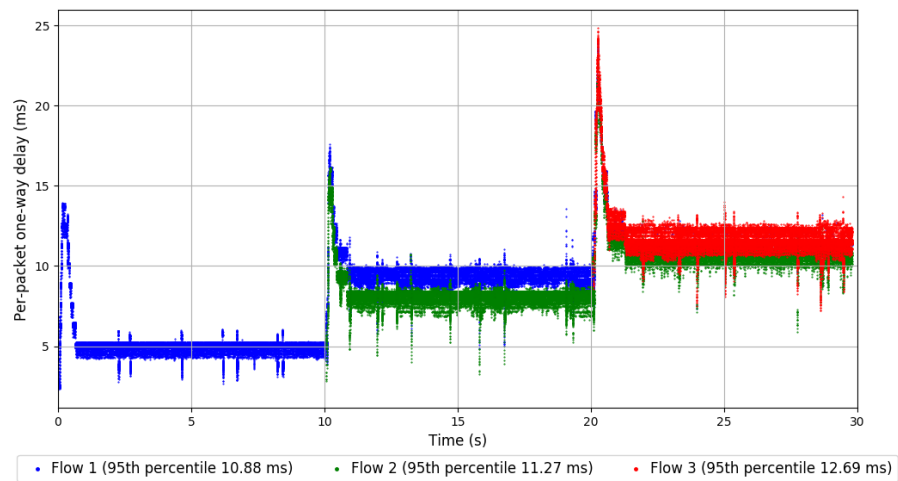
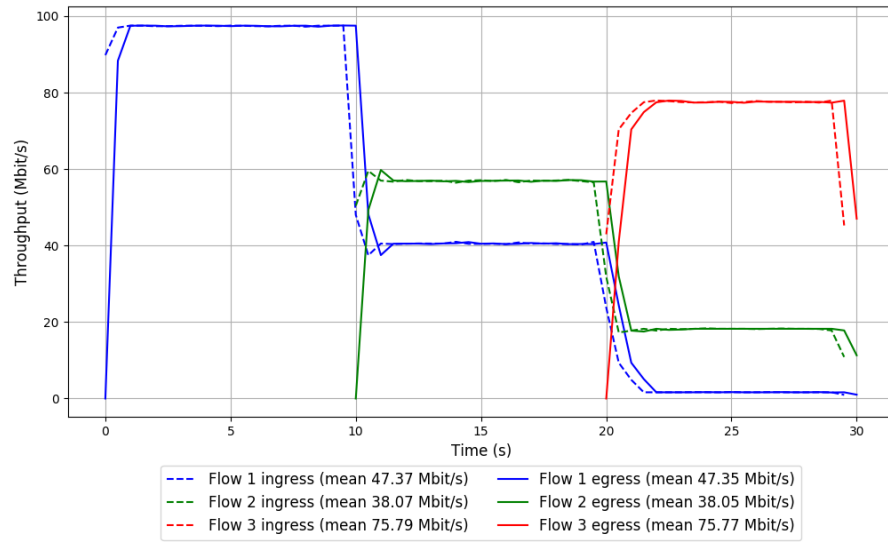


```
Run 1: Statistics of Indigo

Start at: 2018-06-05 11:24:03
End at: 2018-06-05 11:24:33
Local clock offset: -5.44 ms
Remote clock offset: -7.209 ms

# Below is generated by plot.py at 2018-06-05 14:36:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 12.373 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.35 Mbit/s
95th percentile per-packet one-way delay: 10.884 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.05 Mbit/s
95th percentile per-packet one-way delay: 11.269 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 75.77 Mbit/s
95th percentile per-packet one-way delay: 12.692 ms
Loss rate: 0.00%
```


Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-06-05 11:42:07

End at: 2018-06-05 11:42:37

Local clock offset: -5.331 ms

Remote clock offset: -6.8 ms

Below is generated by plot.py at 2018-06-05 14:36:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.31 Mbit/s

95th percentile per-packet one-way delay: 13.293 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 44.61 Mbit/s

95th percentile per-packet one-way delay: 10.006 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.18 Mbit/s

95th percentile per-packet one-way delay: 12.308 ms

Loss rate: 0.00%

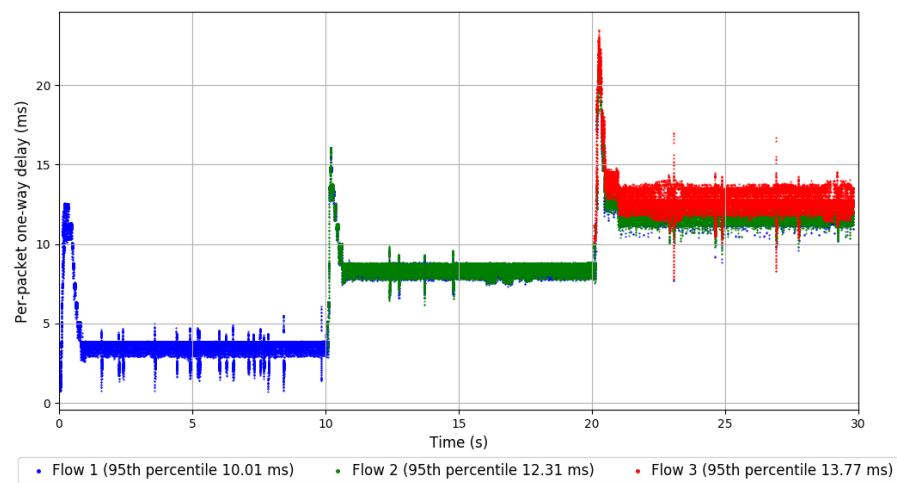
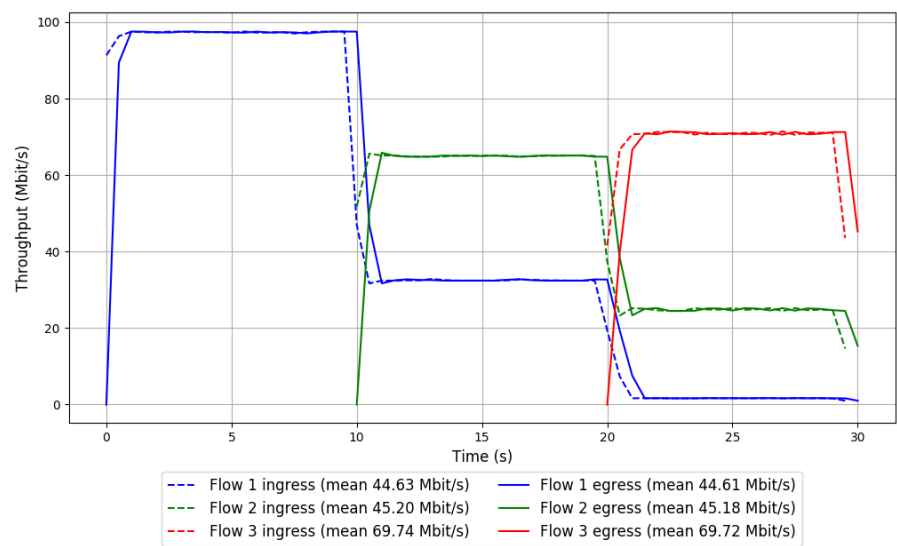
-- Flow 3:

Average throughput: 69.72 Mbit/s

95th percentile per-packet one-way delay: 13.765 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

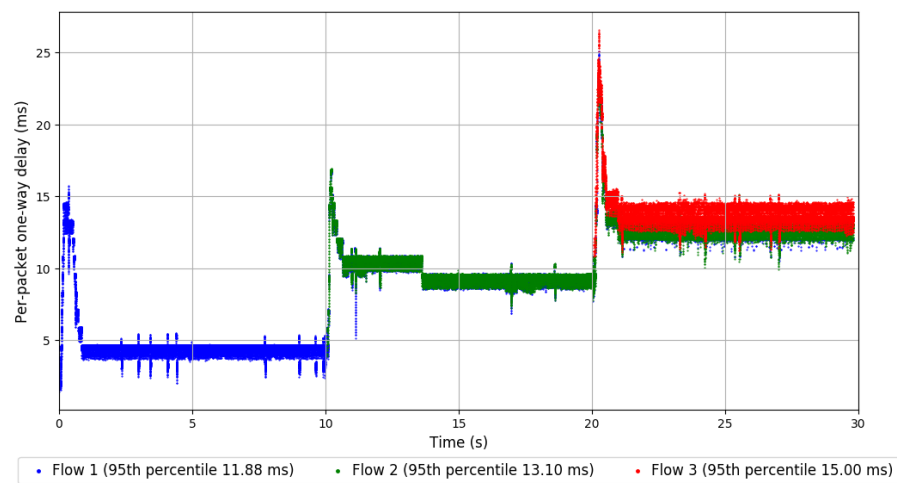
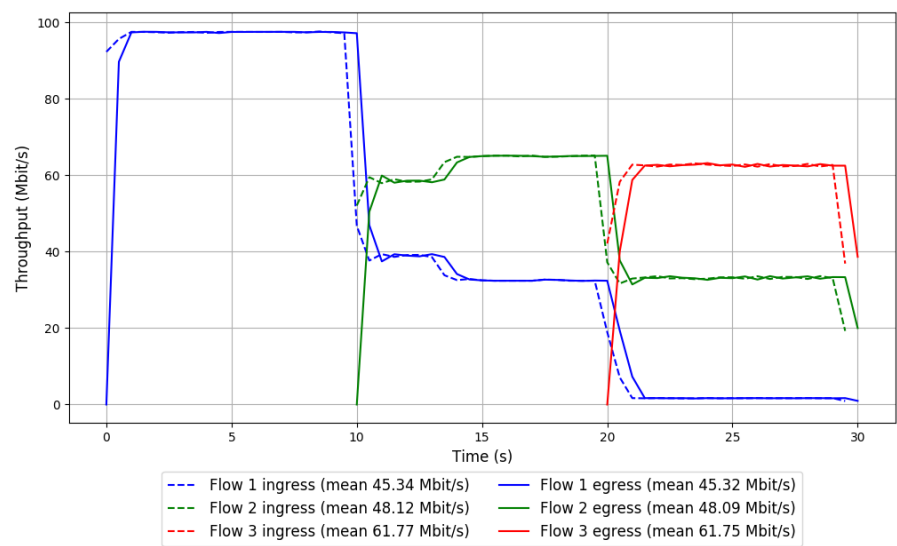


Run 3: Statistics of Indigo

Start at: 2018-06-05 12:00:11
End at: 2018-06-05 12:00:41
Local clock offset: -6.003 ms
Remote clock offset: -6.635 ms

Below is generated by plot.py at 2018-06-05 14:36:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 14.282 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.32 Mbit/s
95th percentile per-packet one-way delay: 11.883 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 48.09 Mbit/s
95th percentile per-packet one-way delay: 13.102 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 61.75 Mbit/s
95th percentile per-packet one-way delay: 15.003 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

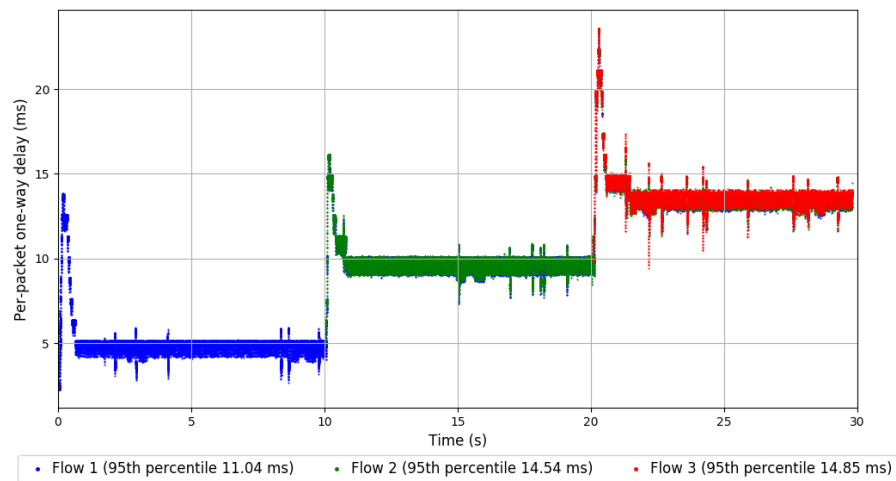
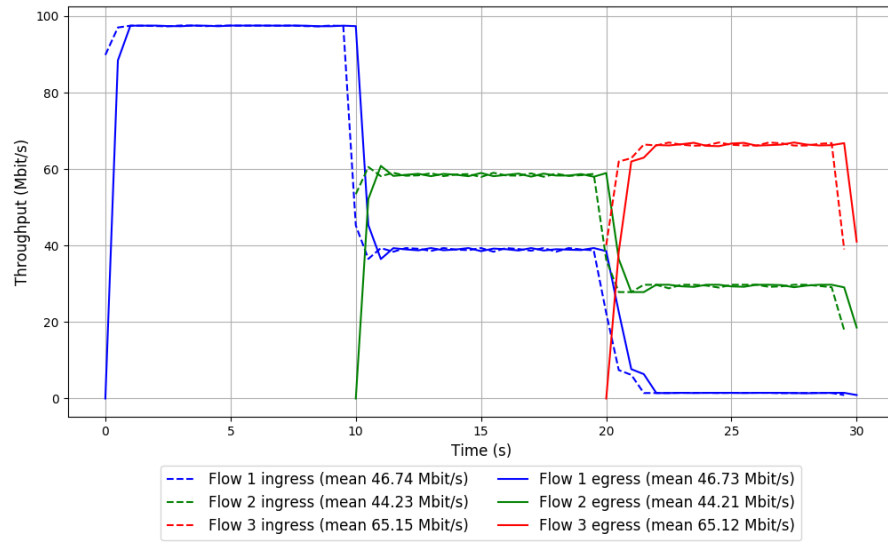


Run 4: Statistics of Indigo

Start at: 2018-06-05 12:18:13
End at: 2018-06-05 12:18:43
Local clock offset: -5.859 ms
Remote clock offset: -6.532 ms

Below is generated by plot.py at 2018-06-05 14:36:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 14.264 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.73 Mbit/s
95th percentile per-packet one-way delay: 11.041 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.21 Mbit/s
95th percentile per-packet one-way delay: 14.535 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.12 Mbit/s
95th percentile per-packet one-way delay: 14.847 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-06-05 12:36:17

End at: 2018-06-05 12:36:47

Local clock offset: -5.92 ms

Remote clock offset: 2.002 ms

Below is generated by plot.py at 2018-06-05 14:36:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.34 Mbit/s

95th percentile per-packet one-way delay: 12.077 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 46.89 Mbit/s

95th percentile per-packet one-way delay: 10.954 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.67 Mbit/s

95th percentile per-packet one-way delay: 12.680 ms

Loss rate: 0.00%

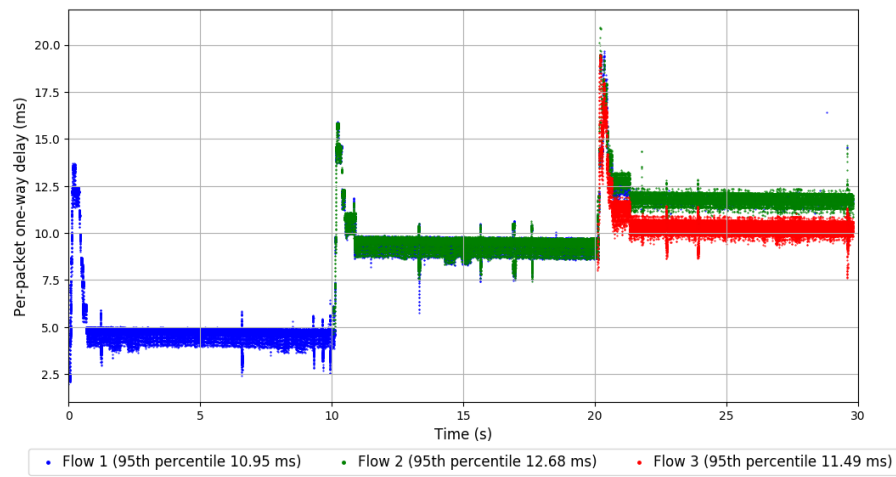
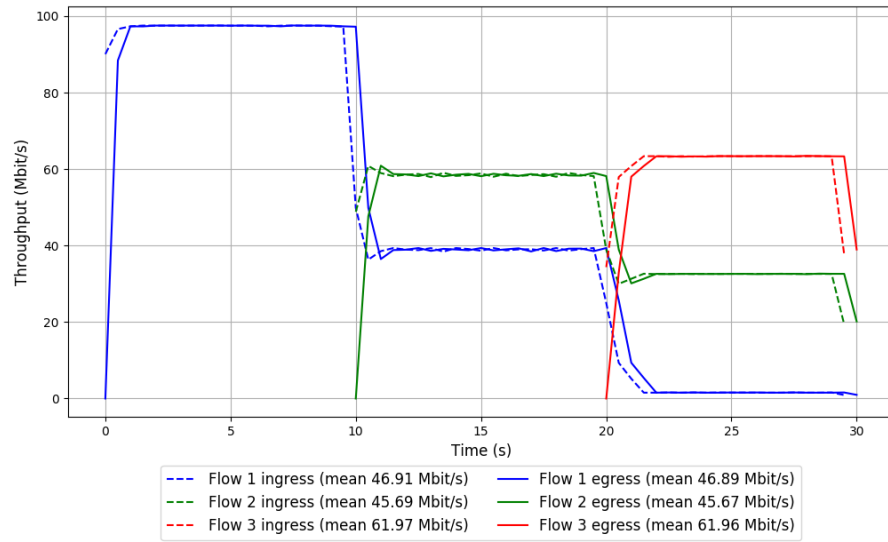
-- Flow 3:

Average throughput: 61.96 Mbit/s

95th percentile per-packet one-way delay: 11.489 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-05 12:54:20

End at: 2018-06-05 12:54:50

Local clock offset: -4.788 ms

Remote clock offset: 9.753 ms

Below is generated by plot.py at 2018-06-05 14:36:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.37 Mbit/s

95th percentile per-packet one-way delay: 10.661 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 47.68 Mbit/s

95th percentile per-packet one-way delay: 9.157 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.29 Mbit/s

95th percentile per-packet one-way delay: 11.066 ms

Loss rate: 0.00%

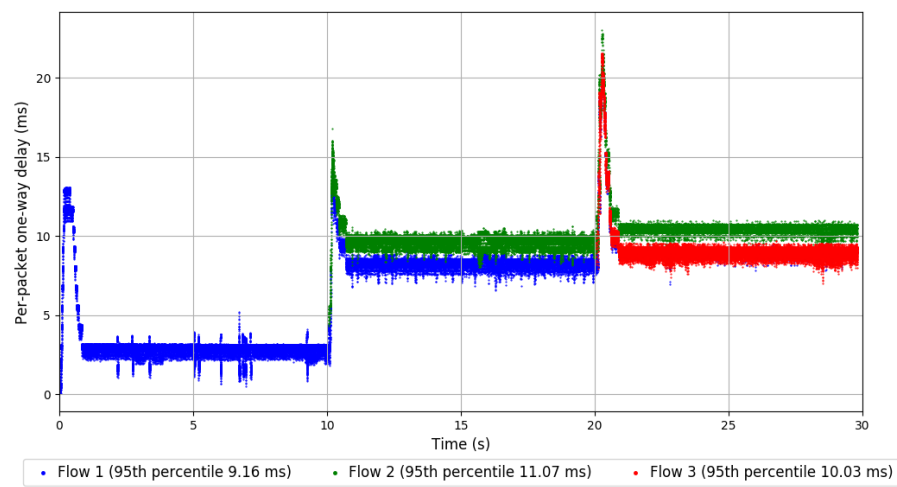
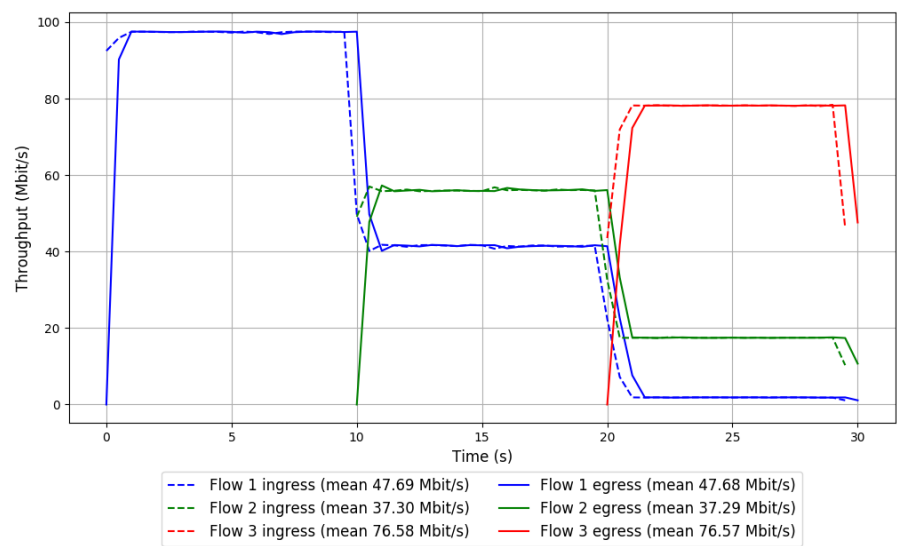
-- Flow 3:

Average throughput: 76.57 Mbit/s

95th percentile per-packet one-way delay: 10.032 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

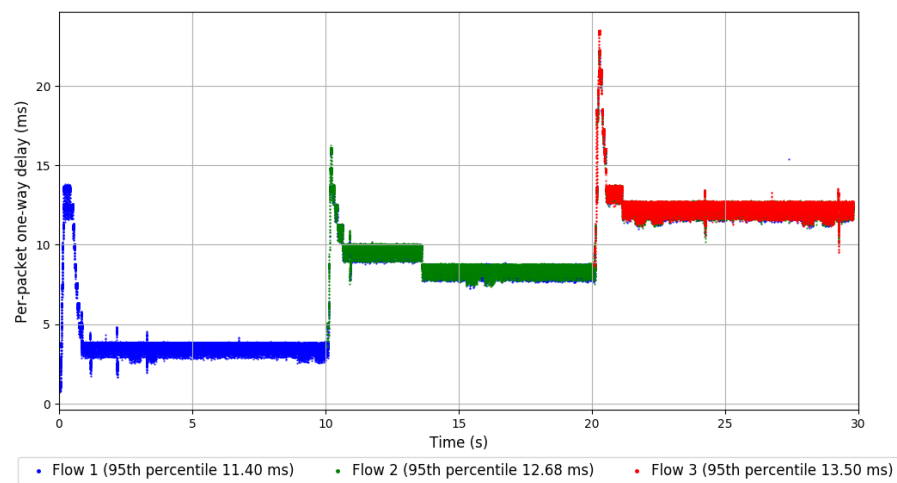
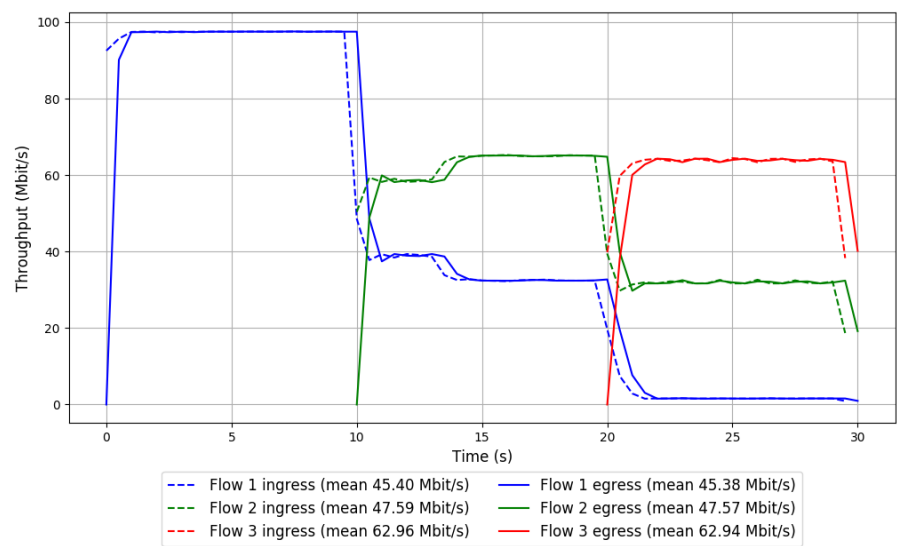


Run 7: Statistics of Indigo

Start at: 2018-06-05 13:12:23
End at: 2018-06-05 13:12:53
Local clock offset: -5.731 ms
Remote clock offset: 13.374 ms

Below is generated by plot.py at 2018-06-05 14:37:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 12.680 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.38 Mbit/s
95th percentile per-packet one-way delay: 11.405 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.57 Mbit/s
95th percentile per-packet one-way delay: 12.683 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.94 Mbit/s
95th percentile per-packet one-way delay: 13.500 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-05 13:30:26

End at: 2018-06-05 13:30:56

Local clock offset: -5.092 ms

Remote clock offset: 16.63 ms

Below is generated by plot.py at 2018-06-05 14:37:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.38 Mbit/s

95th percentile per-packet one-way delay: 11.710 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 46.77 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 41.69 Mbit/s

95th percentile per-packet one-way delay: 11.944 ms

Loss rate: 0.00%

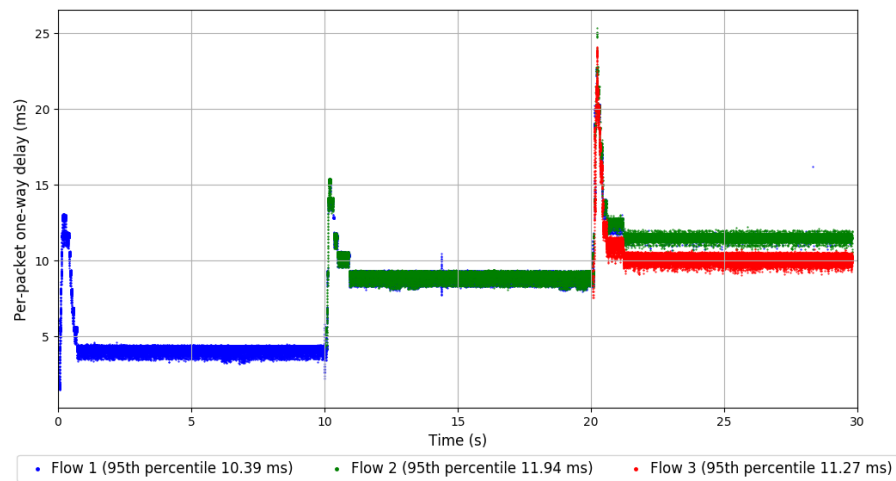
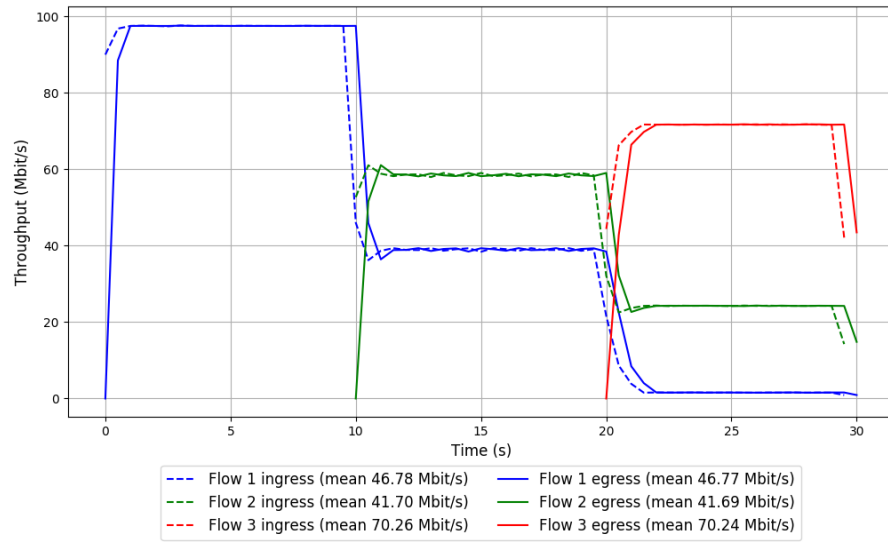
-- Flow 3:

Average throughput: 70.24 Mbit/s

95th percentile per-packet one-way delay: 11.266 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

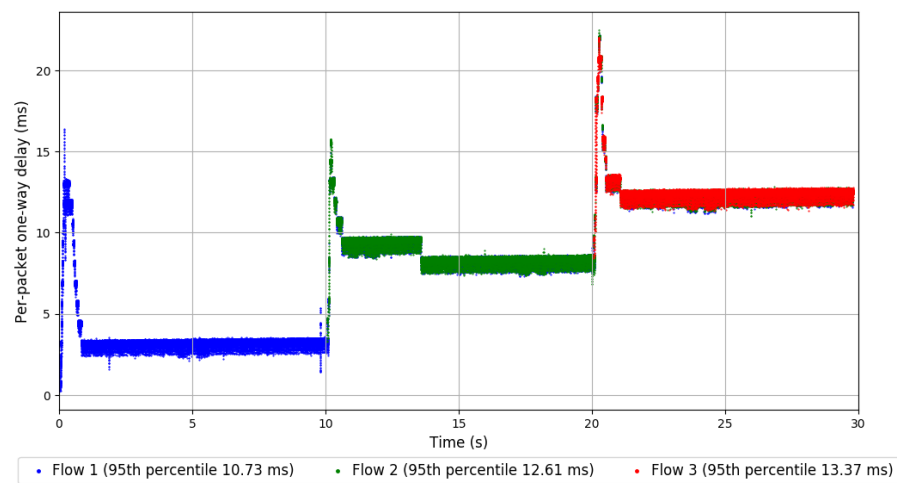
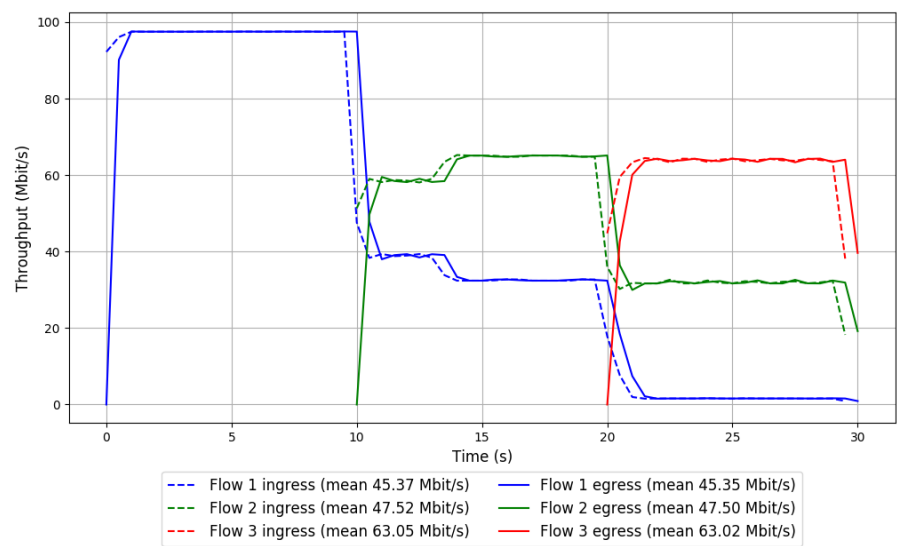


Run 9: Statistics of Indigo

Start at: 2018-06-05 13:48:27
End at: 2018-06-05 13:48:57
Local clock offset: -5.112 ms
Remote clock offset: -3.359 ms

Below is generated by plot.py at 2018-06-05 14:37:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 12.620 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.35 Mbit/s
95th percentile per-packet one-way delay: 10.730 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.50 Mbit/s
95th percentile per-packet one-way delay: 12.612 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.02 Mbit/s
95th percentile per-packet one-way delay: 13.372 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

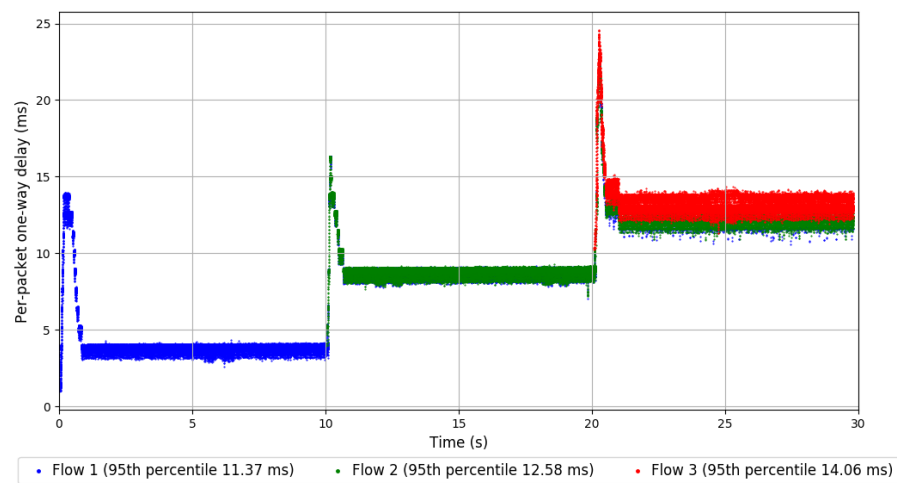
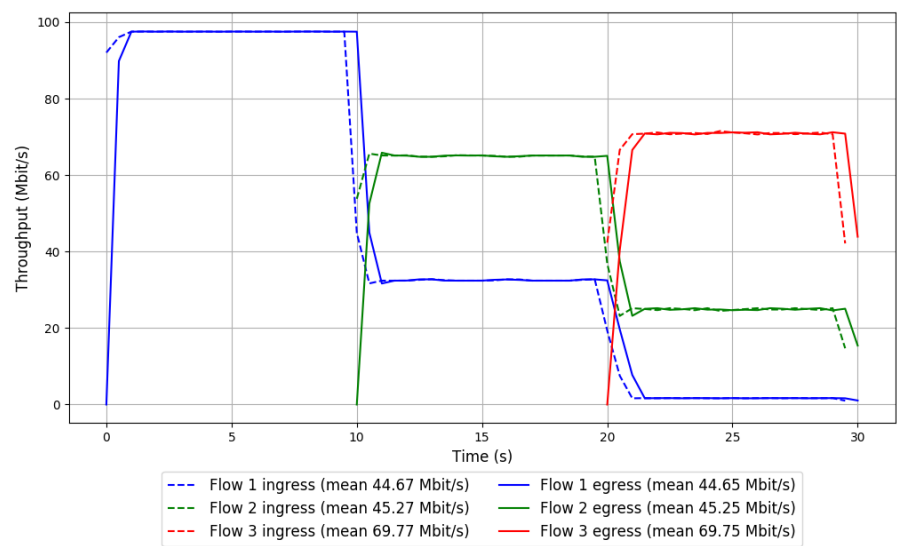


Run 10: Statistics of Indigo

Start at: 2018-06-05 14:06:30
End at: 2018-06-05 14:07:00
Local clock offset: -5.898 ms
Remote clock offset: -13.881 ms

Below is generated by plot.py at 2018-06-05 14:37:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 13.631 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.65 Mbit/s
95th percentile per-packet one-way delay: 11.373 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.25 Mbit/s
95th percentile per-packet one-way delay: 12.583 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.75 Mbit/s
95th percentile per-packet one-way delay: 14.064 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

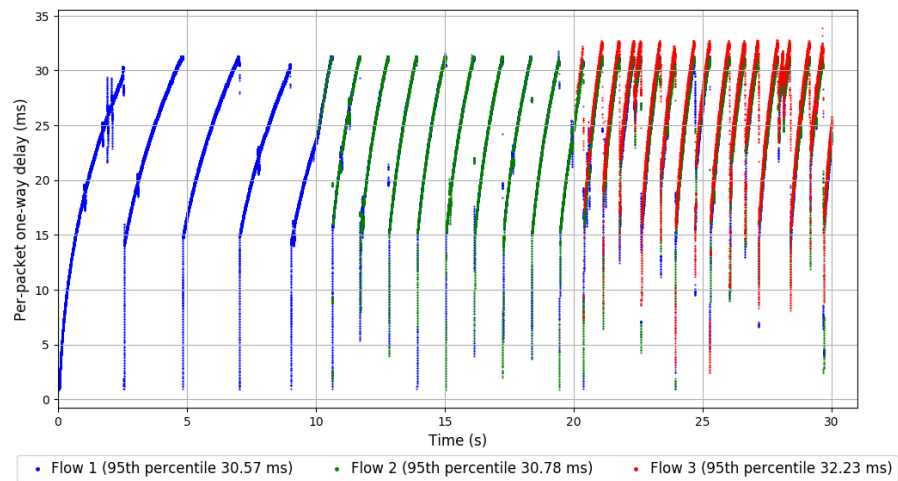
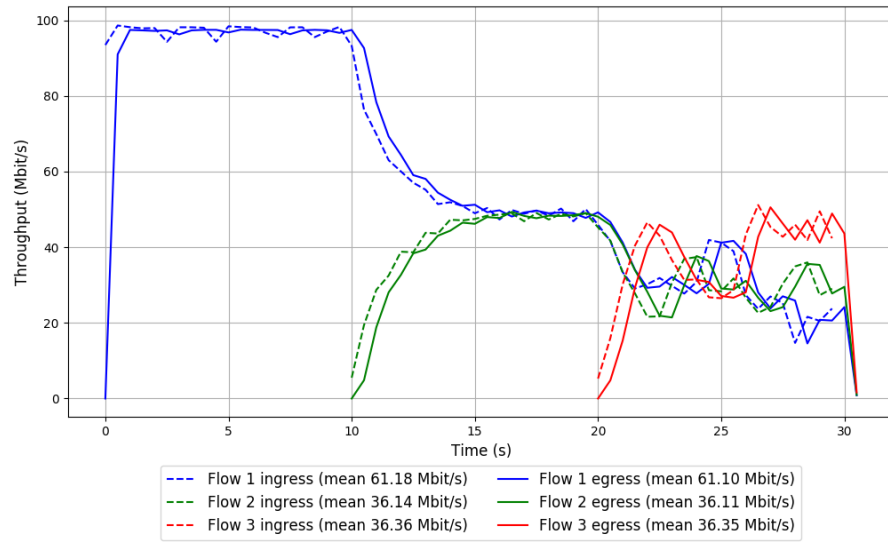


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-05 11:26:20
End at: 2018-06-05 11:26:50
Local clock offset: -5.447 ms
Remote clock offset: -7.099 ms

# Below is generated by plot.py at 2018-06-05 14:37:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 30.980 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 61.10 Mbit/s
95th percentile per-packet one-way delay: 30.568 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.11 Mbit/s
95th percentile per-packet one-way delay: 30.776 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 36.35 Mbit/s
95th percentile per-packet one-way delay: 32.226 ms
Loss rate: 0.05%
```

Run 1: Report of LEDBAT — Data Link

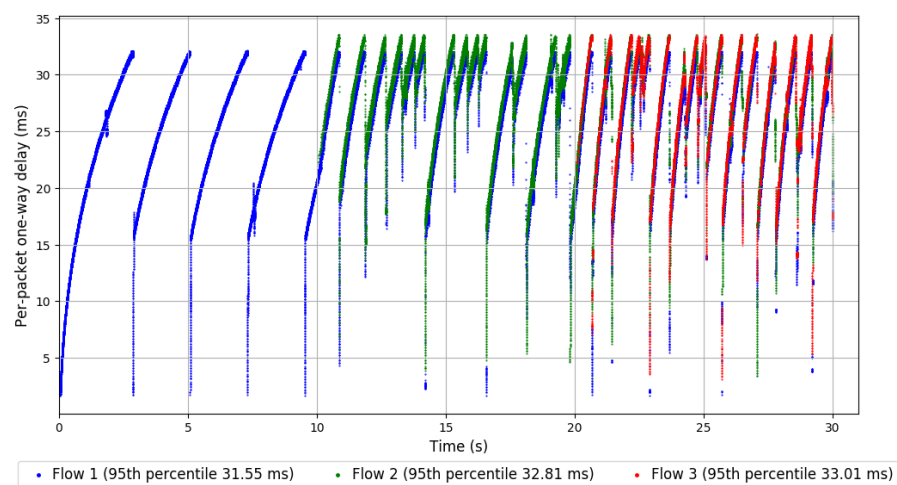
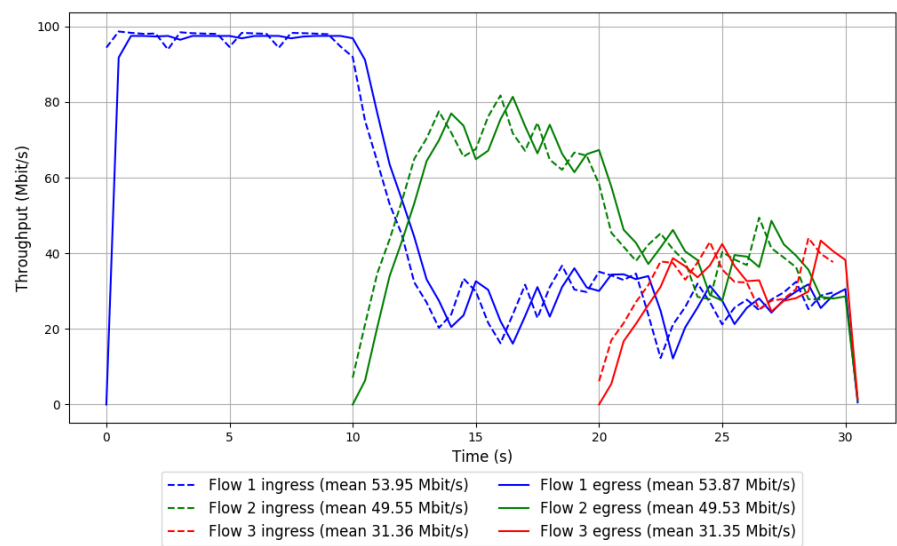


Run 2: Statistics of LEDBAT

Start at: 2018-06-05 11:44:24
End at: 2018-06-05 11:44:54
Local clock offset: -6.161 ms
Remote clock offset: -6.665 ms

Below is generated by plot.py at 2018-06-05 14:37:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 32.323 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 53.87 Mbit/s
95th percentile per-packet one-way delay: 31.551 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 49.53 Mbit/s
95th percentile per-packet one-way delay: 32.815 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 31.35 Mbit/s
95th percentile per-packet one-way delay: 33.012 ms
Loss rate: 0.06%

Run 2: Report of LEDBAT — Data Link

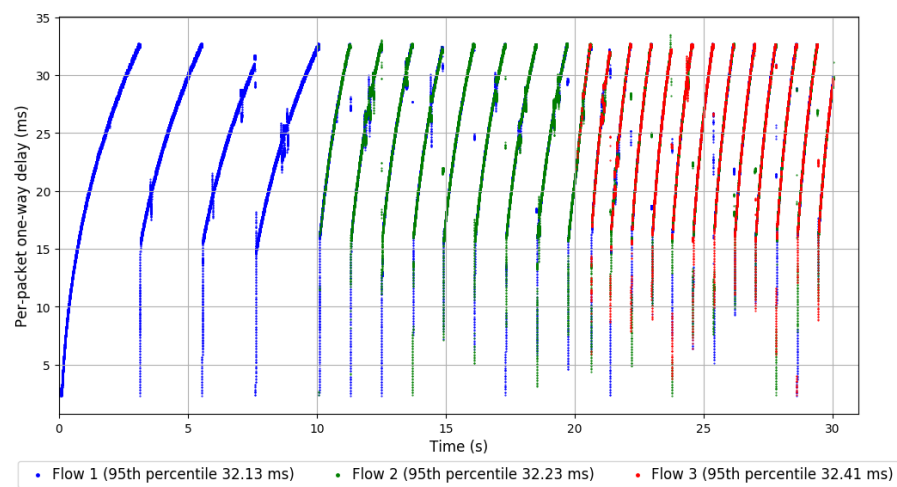
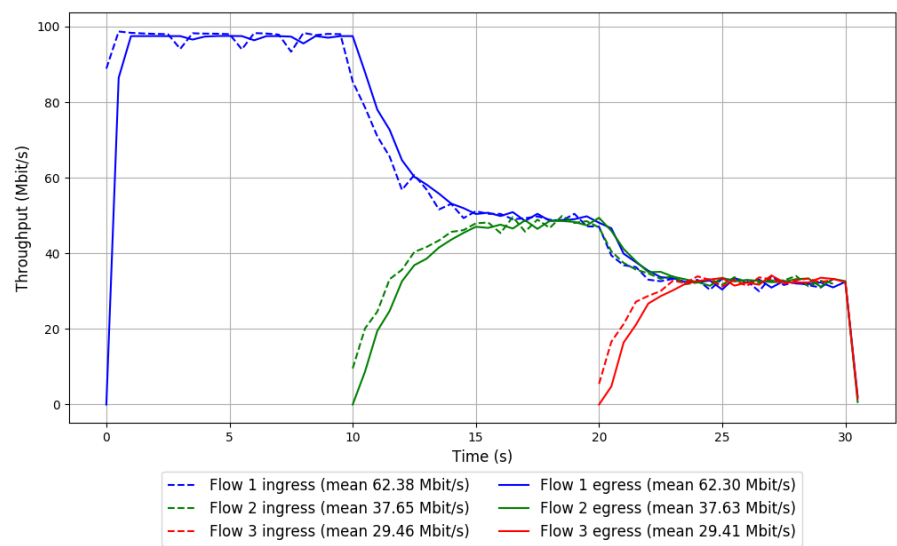


Run 3: Statistics of LEDBAT

Start at: 2018-06-05 12:02:27
End at: 2018-06-05 12:02:57
Local clock offset: -5.223 ms
Remote clock offset: -6.562 ms

Below is generated by plot.py at 2018-06-05 14:37:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.199 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 62.30 Mbit/s
95th percentile per-packet one-way delay: 32.132 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.63 Mbit/s
95th percentile per-packet one-way delay: 32.231 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 29.41 Mbit/s
95th percentile per-packet one-way delay: 32.414 ms
Loss rate: 0.09%

Run 3: Report of LEDBAT — Data Link

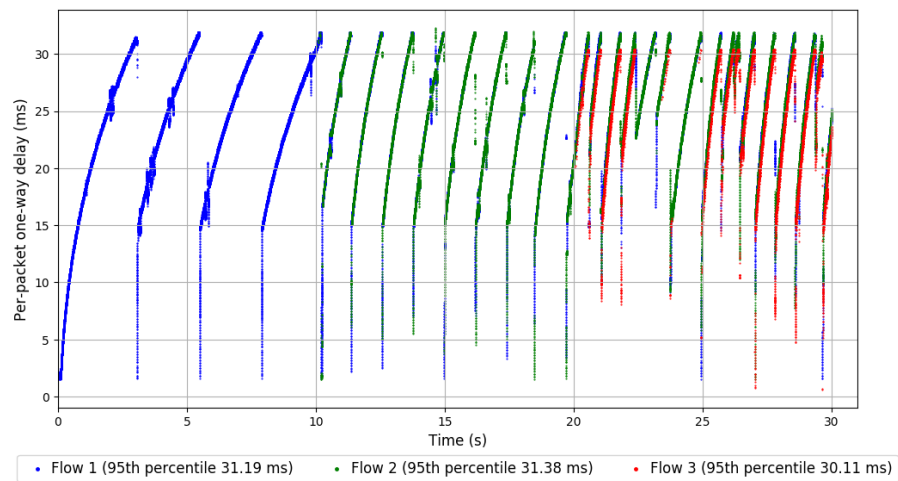
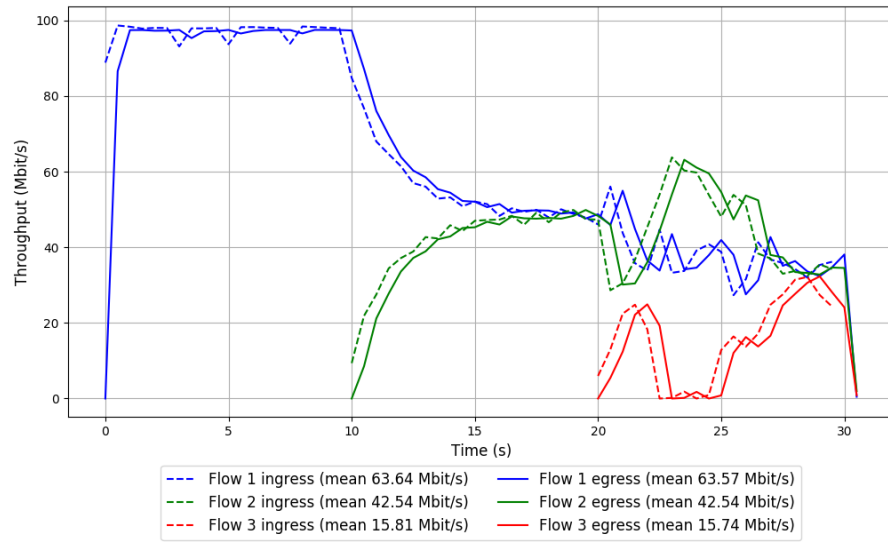


Run 4: Statistics of LEDBAT

Start at: 2018-06-05 12:20:30
End at: 2018-06-05 12:21:00
Local clock offset: -5.132 ms
Remote clock offset: -6.503 ms

Below is generated by plot.py at 2018-06-05 14:37:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 31.215 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 63.57 Mbit/s
95th percentile per-packet one-way delay: 31.192 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 42.54 Mbit/s
95th percentile per-packet one-way delay: 31.382 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 15.74 Mbit/s
95th percentile per-packet one-way delay: 30.107 ms
Loss rate: 0.42%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-06-05 12:38:33

End at: 2018-06-05 12:39:03

Local clock offset: -5.84 ms

Remote clock offset: 3.634 ms

Below is generated by plot.py at 2018-06-05 14:38:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.26 Mbit/s

95th percentile per-packet one-way delay: 30.793 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 59.12 Mbit/s

95th percentile per-packet one-way delay: 30.356 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 43.24 Mbit/s

95th percentile per-packet one-way delay: 31.800 ms

Loss rate: 0.04%

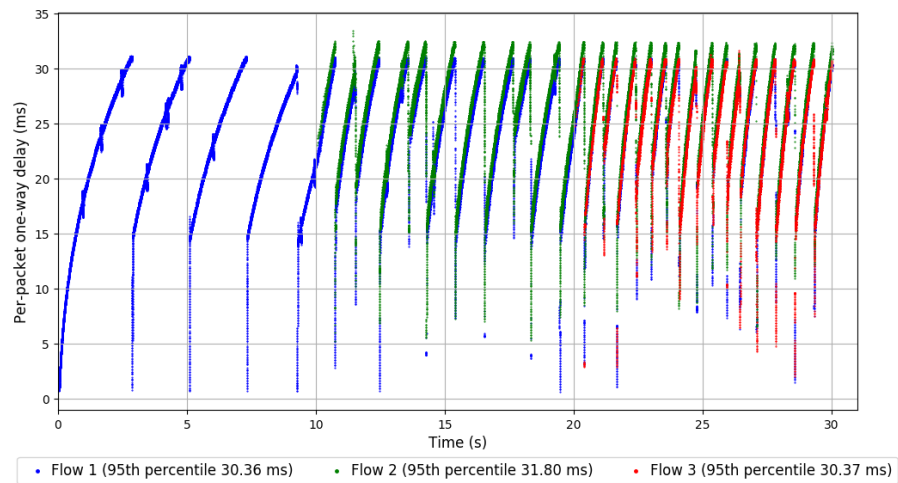
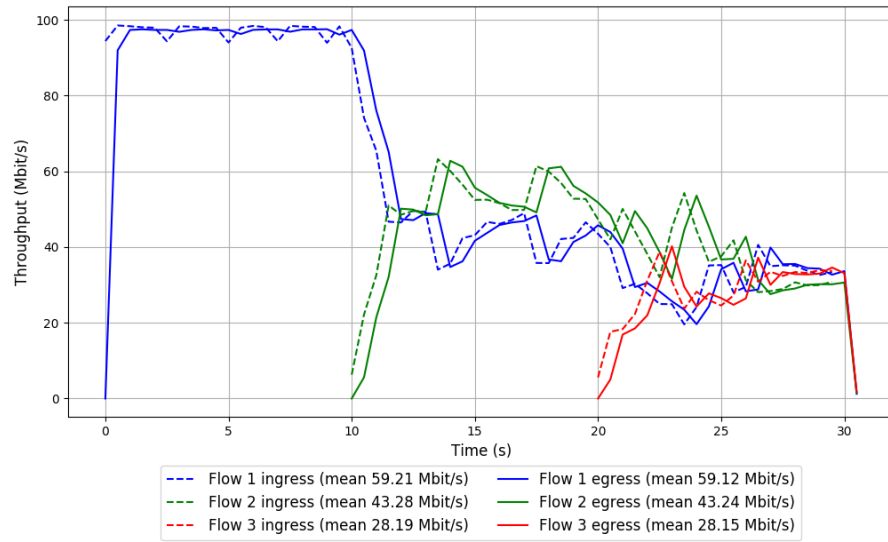
-- Flow 3:

Average throughput: 28.15 Mbit/s

95th percentile per-packet one-way delay: 30.372 ms

Loss rate: 0.10%

Run 5: Report of LEDBAT — Data Link

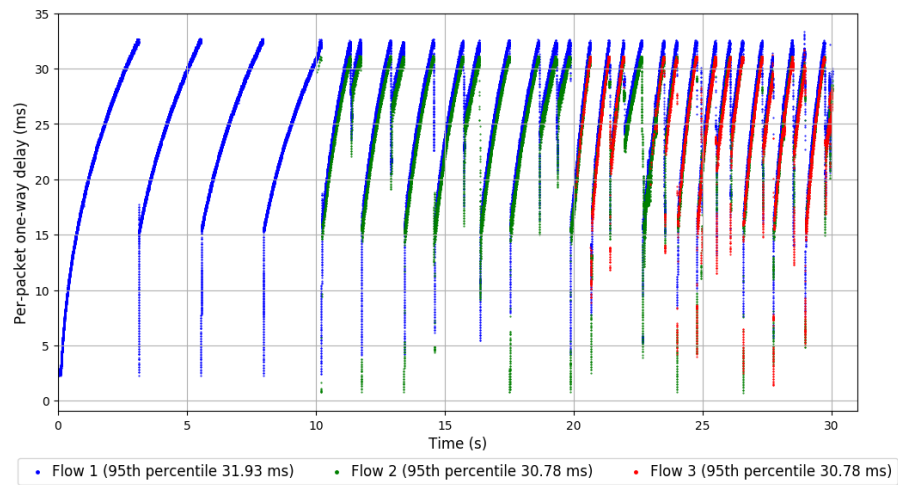
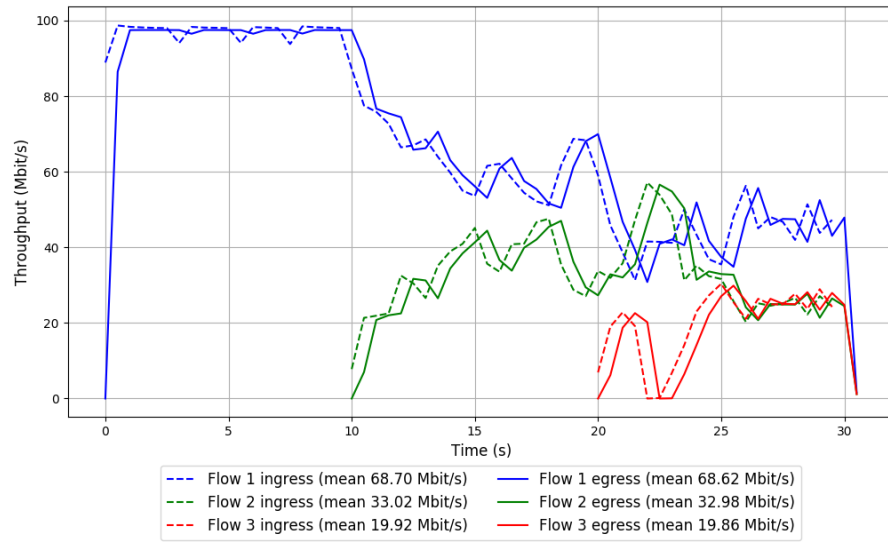


Run 6: Statistics of LEDBAT

Start at: 2018-06-05 12:56:36
End at: 2018-06-05 12:57:06
Local clock offset: -5.549 ms
Remote clock offset: 10.273 ms

Below is generated by plot.py at 2018-06-05 14:38:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 31.725 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 68.62 Mbit/s
95th percentile per-packet one-way delay: 31.931 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 32.98 Mbit/s
95th percentile per-packet one-way delay: 30.778 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 19.86 Mbit/s
95th percentile per-packet one-way delay: 30.781 ms
Loss rate: 0.19%

Run 6: Report of LEDBAT — Data Link

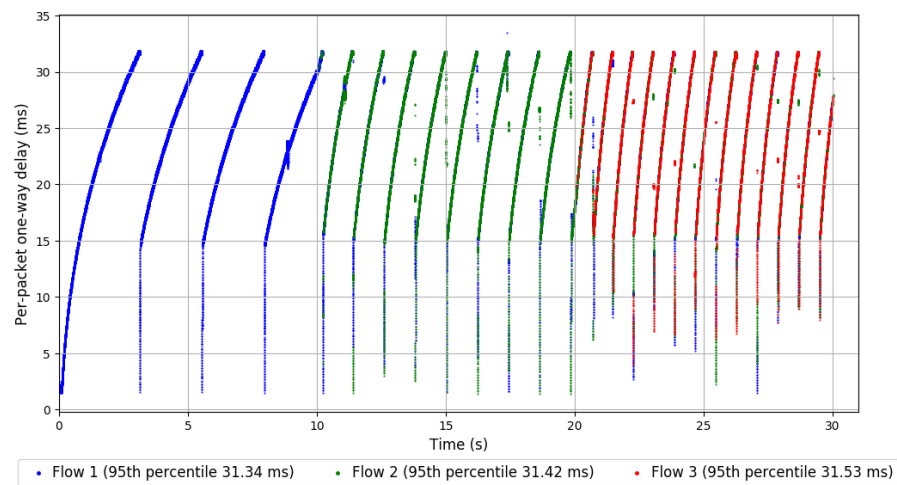
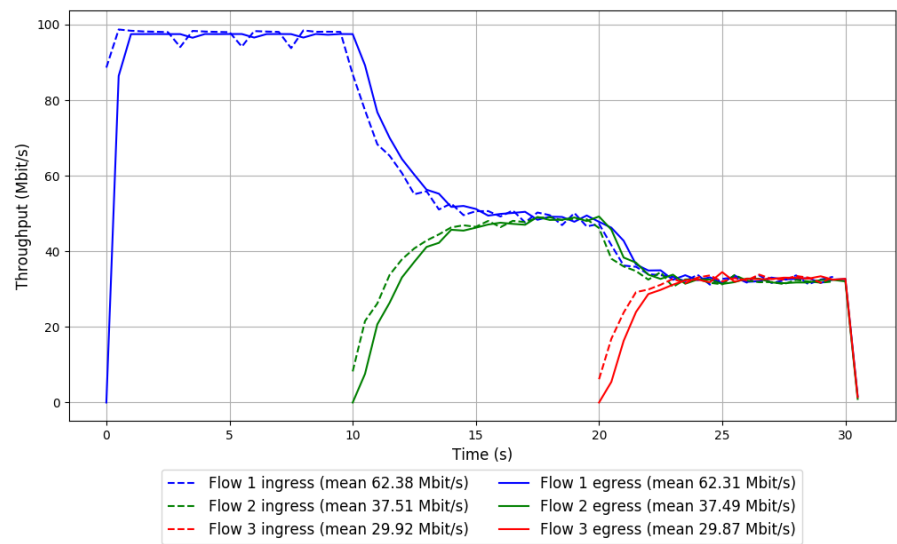


Run 7: Statistics of LEDBAT

Start at: 2018-06-05 13:14:39
End at: 2018-06-05 13:15:09
Local clock offset: -4.995 ms
Remote clock offset: 13.816 ms

Below is generated by plot.py at 2018-06-05 14:38:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 31.361 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 62.31 Mbit/s
95th percentile per-packet one-way delay: 31.342 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.49 Mbit/s
95th percentile per-packet one-way delay: 31.421 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 29.87 Mbit/s
95th percentile per-packet one-way delay: 31.528 ms
Loss rate: 0.06%

Run 7: Report of LEDBAT — Data Link

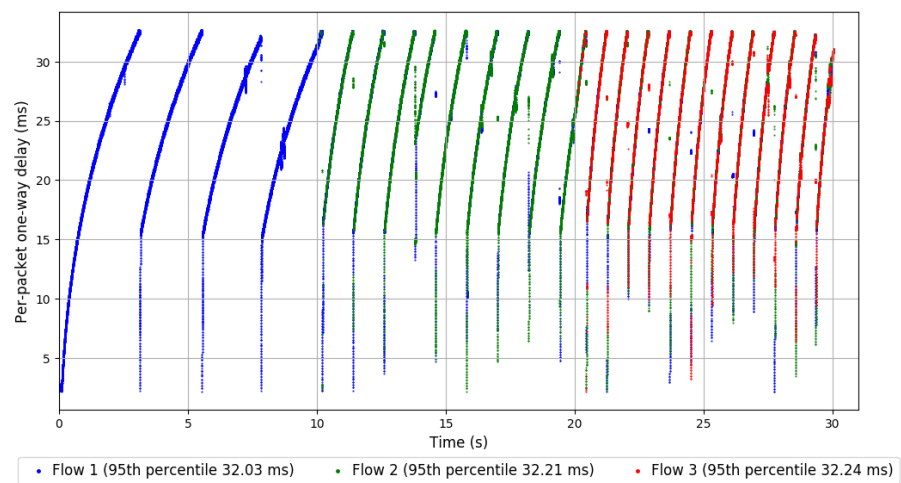
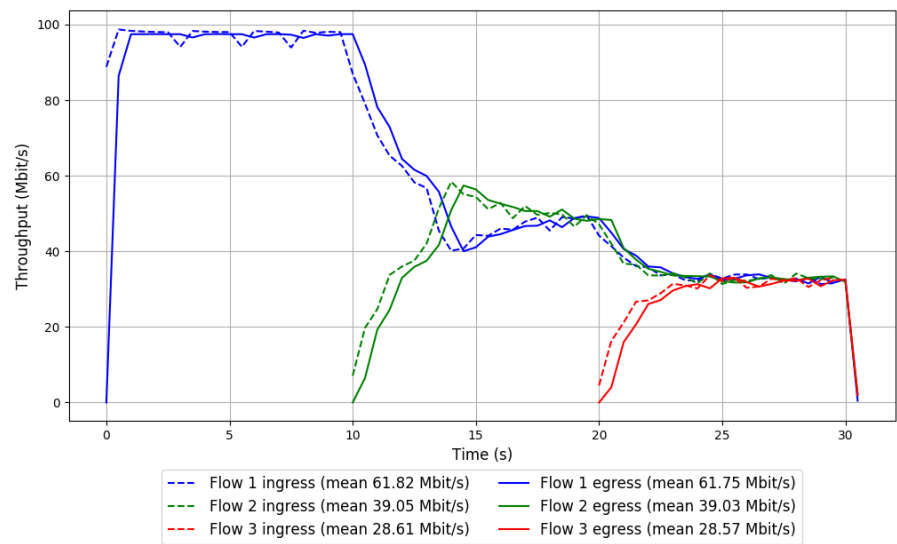


Run 8: Statistics of LEDBAT

Start at: 2018-06-05 13:32:42
End at: 2018-06-05 13:33:12
Local clock offset: -5.864 ms
Remote clock offset: 16.973 ms

Below is generated by plot.py at 2018-06-05 14:38:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 32.083 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 61.75 Mbit/s
95th percentile per-packet one-way delay: 32.035 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.03 Mbit/s
95th percentile per-packet one-way delay: 32.213 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 28.57 Mbit/s
95th percentile per-packet one-way delay: 32.239 ms
Loss rate: 0.08%

Run 8: Report of LEDBAT — Data Link

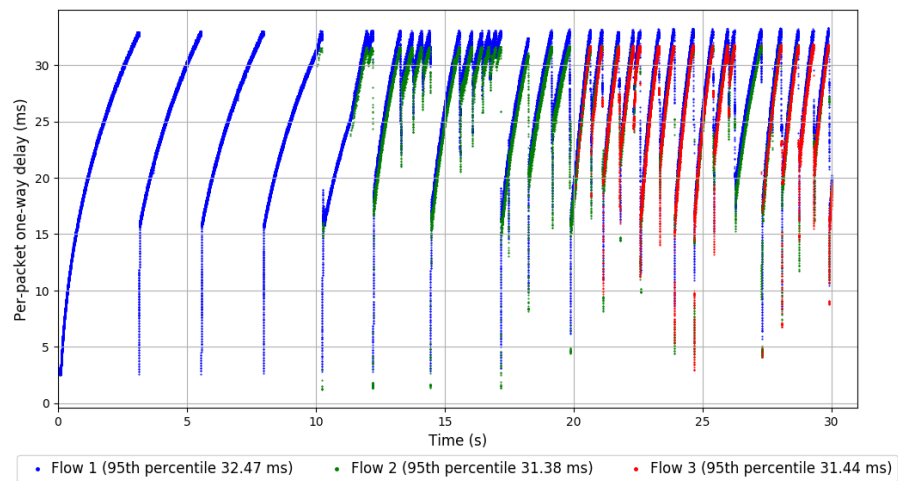
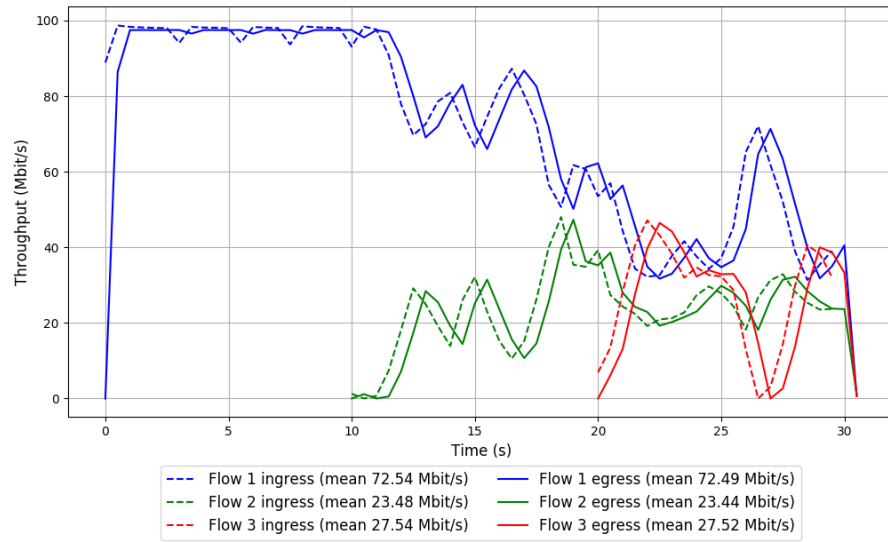


Run 9: Statistics of LEDBAT

Start at: 2018-06-05 13:50:43
End at: 2018-06-05 13:51:13
Local clock offset: -5.879 ms
Remote clock offset: -5.397 ms

Below is generated by plot.py at 2018-06-05 14:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 32.317 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 72.49 Mbit/s
95th percentile per-packet one-way delay: 32.471 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 23.44 Mbit/s
95th percentile per-packet one-way delay: 31.376 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 27.52 Mbit/s
95th percentile per-packet one-way delay: 31.438 ms
Loss rate: 0.08%

Run 9: Report of LEDBAT — Data Link

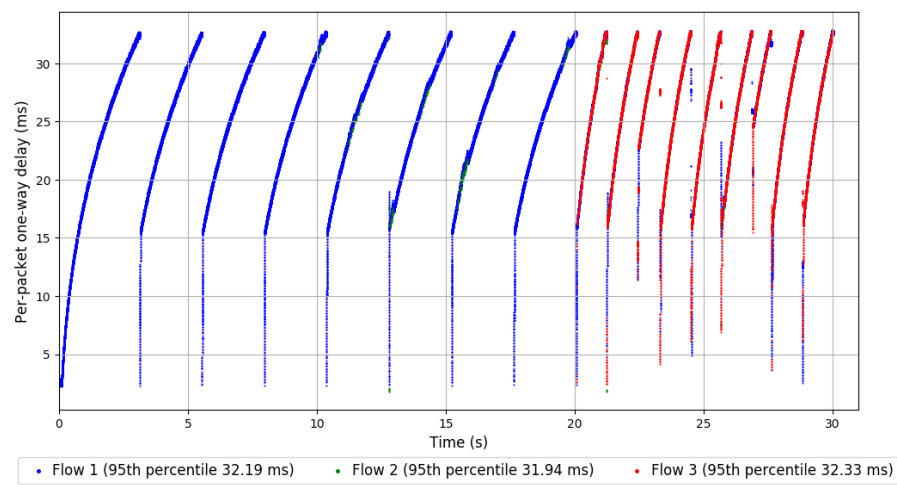
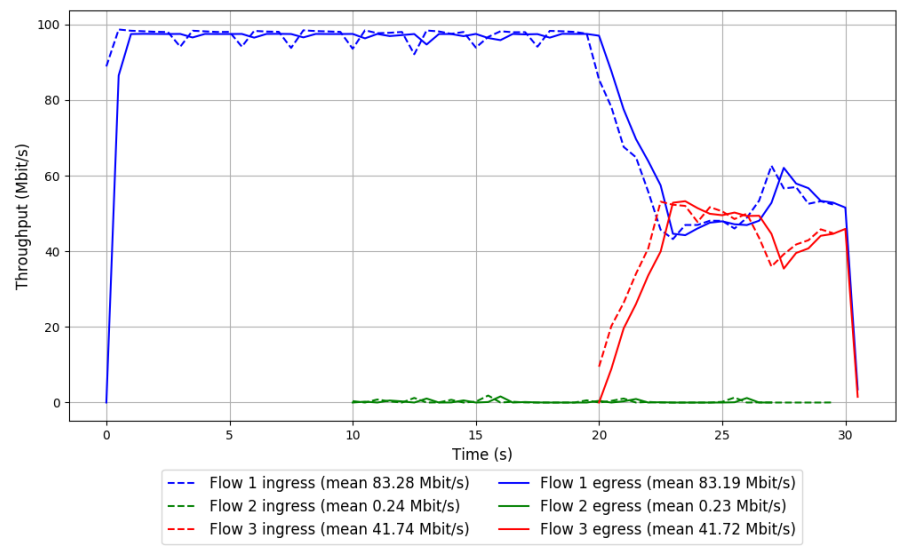


Run 10: Statistics of LEDBAT

Start at: 2018-06-05 14:08:47
End at: 2018-06-05 14:09:17
Local clock offset: -5.857 ms
Remote clock offset: -14.809 ms

Below is generated by plot.py at 2018-06-05 14:38:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 32.208 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 83.19 Mbit/s
95th percentile per-packet one-way delay: 32.185 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 31.944 ms
Loss rate: 19.47%
-- Flow 3:
Average throughput: 41.72 Mbit/s
95th percentile per-packet one-way delay: 32.334 ms
Loss rate: 0.04%

Run 10: Report of LEDBAT — Data Link

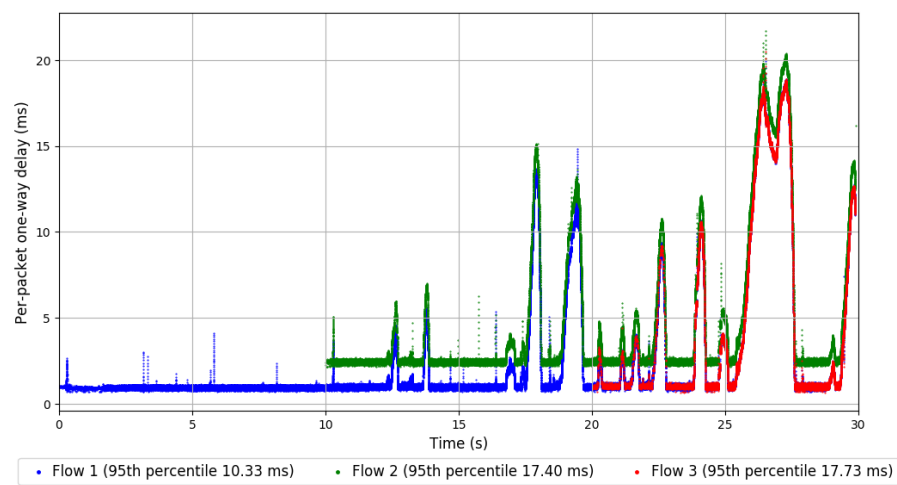
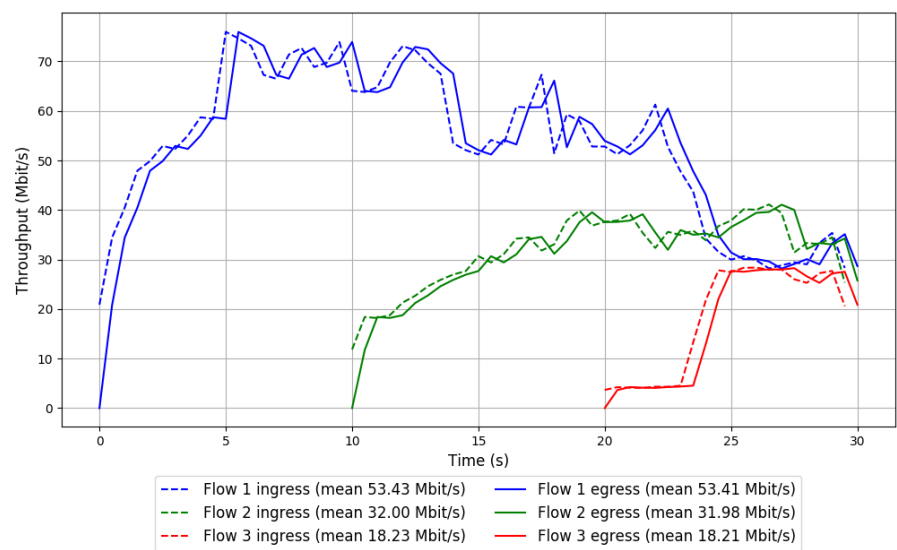


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-05 11:33:05
End at: 2018-06-05 11:33:35
Local clock offset: -5.27 ms
Remote clock offset: -6.842 ms

# Below is generated by plot.py at 2018-06-05 14:38:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.68 Mbit/s
95th percentile per-packet one-way delay: 14.655 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.41 Mbit/s
95th percentile per-packet one-way delay: 10.329 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.98 Mbit/s
95th percentile per-packet one-way delay: 17.400 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.21 Mbit/s
95th percentile per-packet one-way delay: 17.728 ms
Loss rate: 0.00%
```


Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-05 11:51:09

End at: 2018-06-05 11:51:39

Local clock offset: -5.303 ms

Remote clock offset: -6.6 ms

Below is generated by plot.py at 2018-06-05 14:38:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.47 Mbit/s

95th percentile per-packet one-way delay: 6.710 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.88 Mbit/s

95th percentile per-packet one-way delay: 5.182 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.18 Mbit/s

95th percentile per-packet one-way delay: 9.066 ms

Loss rate: 0.00%

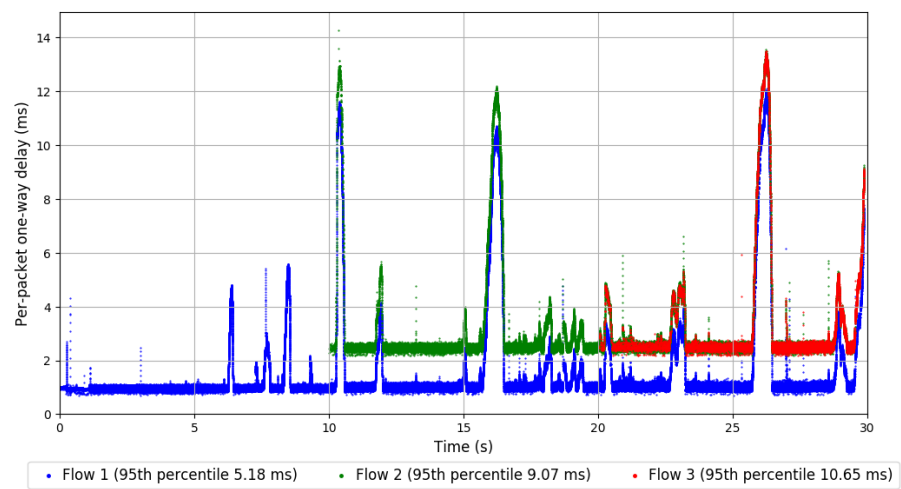
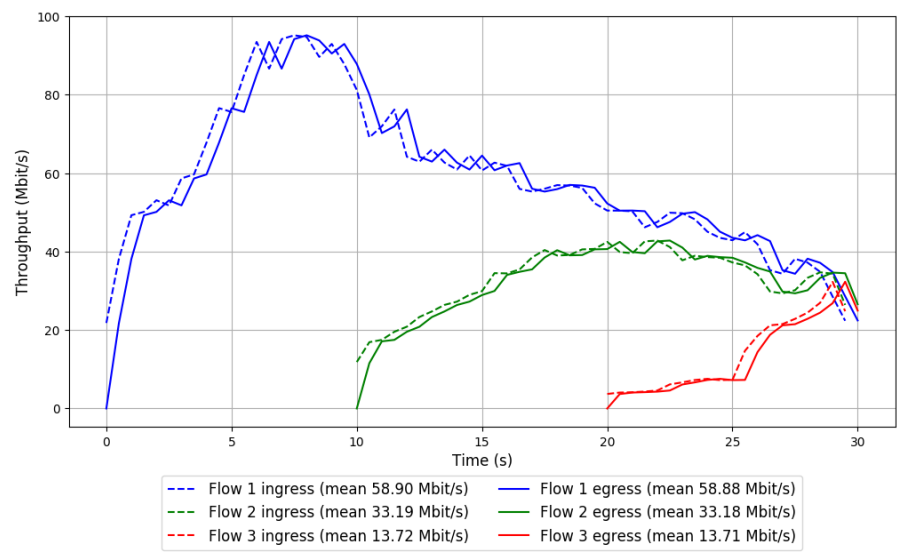
-- Flow 3:

Average throughput: 13.71 Mbit/s

95th percentile per-packet one-way delay: 10.652 ms

Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link

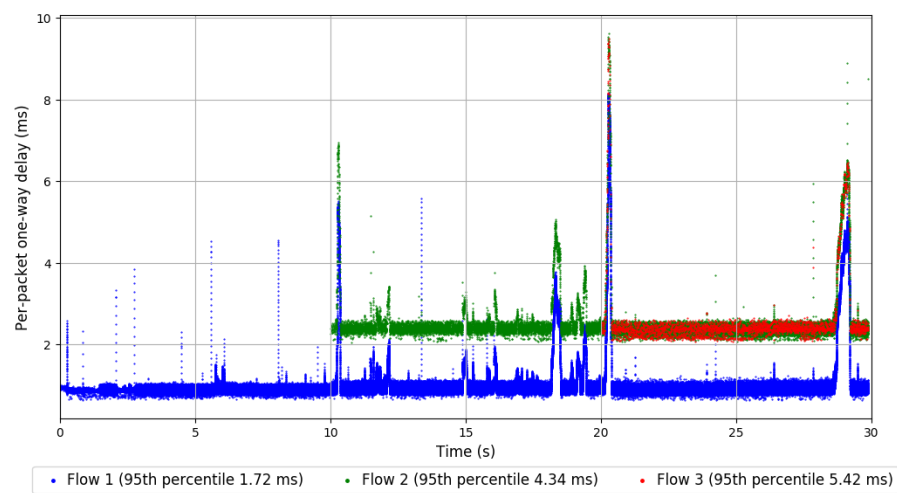
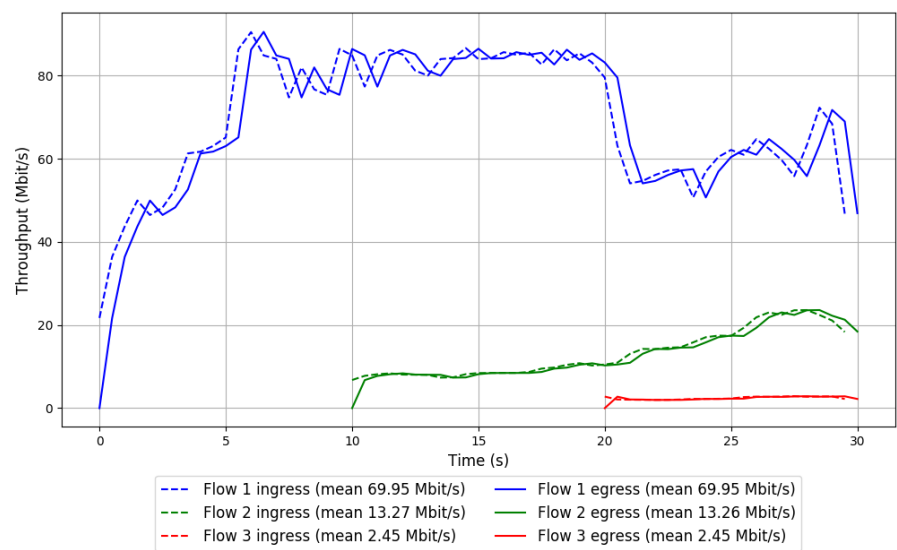


Run 3: Statistics of PCC-Allegro

Start at: 2018-06-05 12:09:12
End at: 2018-06-05 12:09:42
Local clock offset: -5.562 ms
Remote clock offset: -6.574 ms

Below is generated by plot.py at 2018-06-05 14:39:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.56 Mbit/s
95th percentile per-packet one-way delay: 2.551 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.95 Mbit/s
95th percentile per-packet one-way delay: 1.720 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.26 Mbit/s
95th percentile per-packet one-way delay: 4.338 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 5.423 ms
Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link

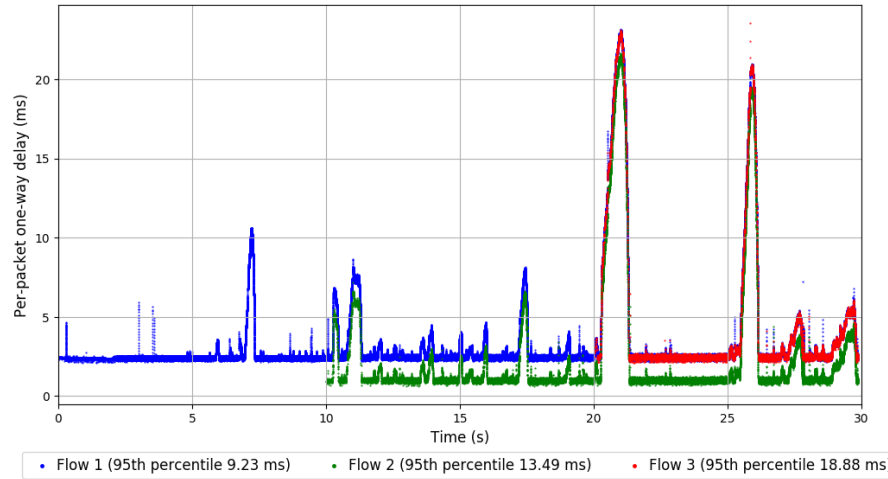
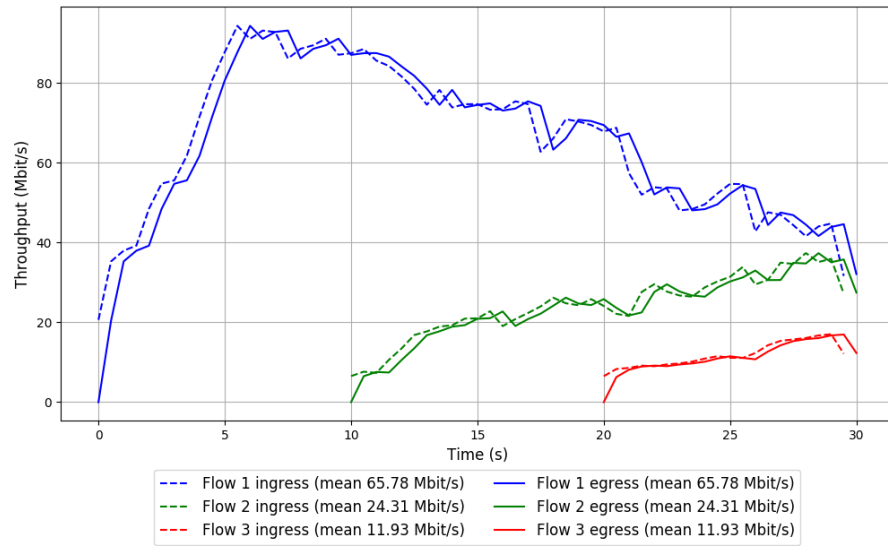


Run 4: Statistics of PCC-Allegro

Start at: 2018-06-05 12:27:15
End at: 2018-06-05 12:27:45
Local clock offset: -5.97 ms
Remote clock offset: -6.426 ms

Below is generated by plot.py at 2018-06-05 14:39:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.88 Mbit/s
95th percentile per-packet one-way delay: 10.448 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.78 Mbit/s
95th percentile per-packet one-way delay: 9.227 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 13.494 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.93 Mbit/s
95th percentile per-packet one-way delay: 18.884 ms
Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-05 12:45:18

End at: 2018-06-05 12:45:48

Local clock offset: -5.66 ms

Remote clock offset: 6.807 ms

Below is generated by plot.py at 2018-06-05 14:39:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.84 Mbit/s

95th percentile per-packet one-way delay: 2.319 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 60.25 Mbit/s

95th percentile per-packet one-way delay: 1.837 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 30.28 Mbit/s

95th percentile per-packet one-way delay: 3.383 ms

Loss rate: 0.00%

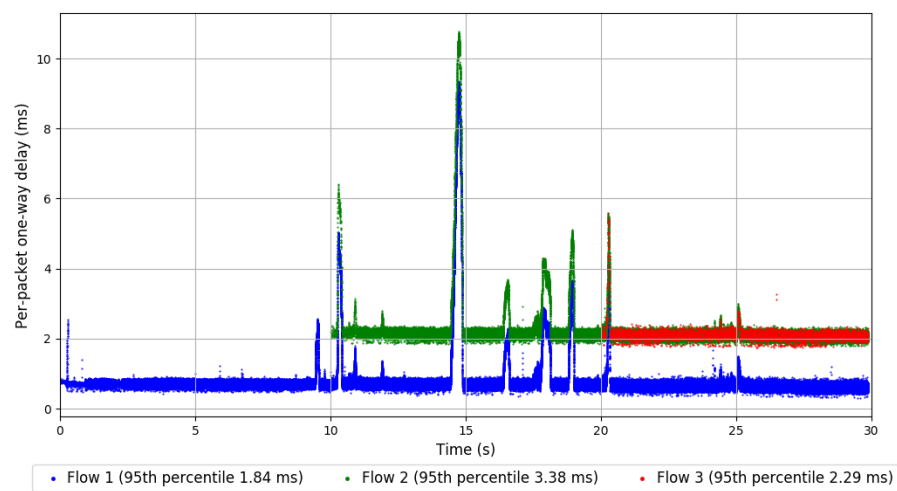
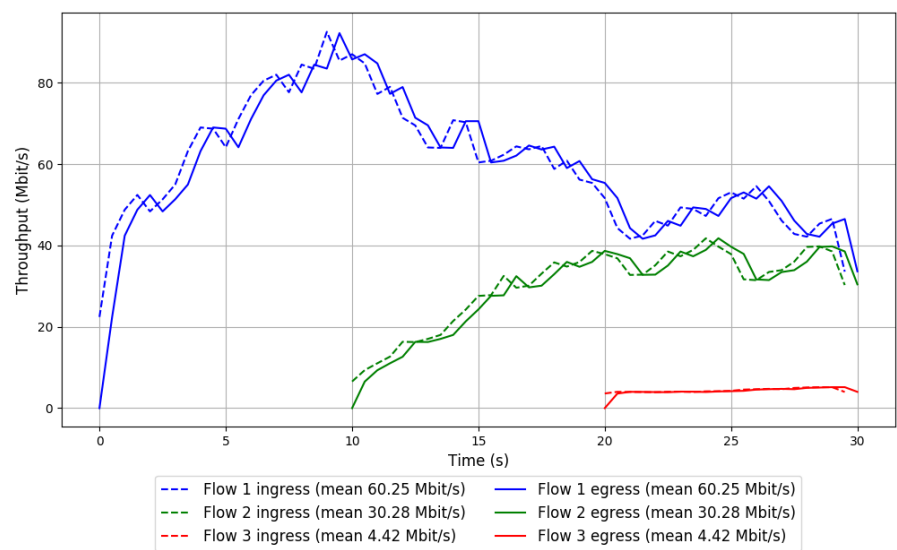
-- Flow 3:

Average throughput: 4.42 Mbit/s

95th percentile per-packet one-way delay: 2.292 ms

Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link

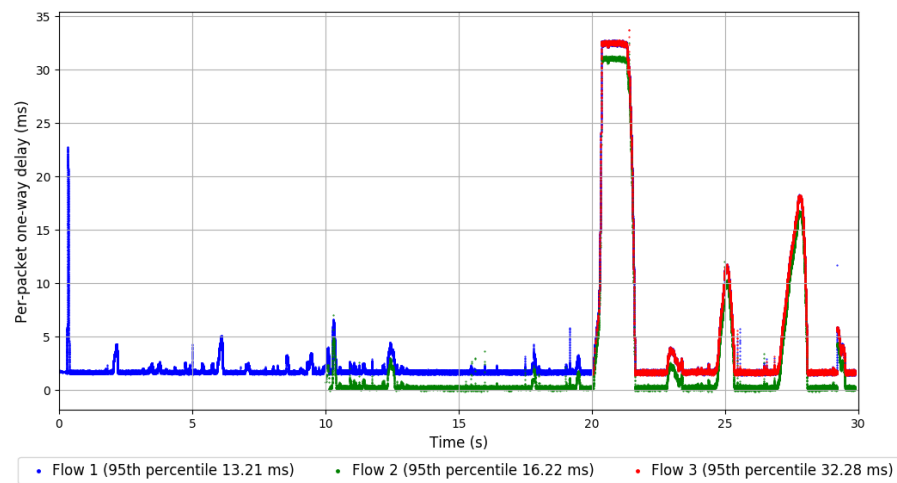
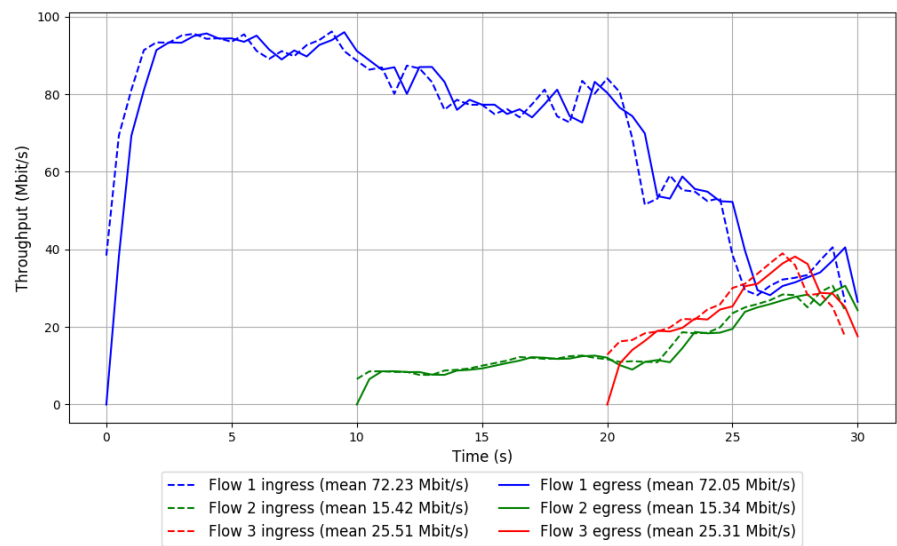


Run 6: Statistics of PCC-Allegro

Start at: 2018-06-05 13:03:21
End at: 2018-06-05 13:03:51
Local clock offset: -4.785 ms
Remote clock offset: 11.745 ms

Below is generated by plot.py at 2018-06-05 14:39:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.60 Mbit/s
95th percentile per-packet one-way delay: 16.515 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 72.05 Mbit/s
95th percentile per-packet one-way delay: 13.205 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 15.34 Mbit/s
95th percentile per-packet one-way delay: 16.216 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 25.31 Mbit/s
95th percentile per-packet one-way delay: 32.282 ms
Loss rate: 0.79%

Run 6: Report of PCC-Allegro — Data Link

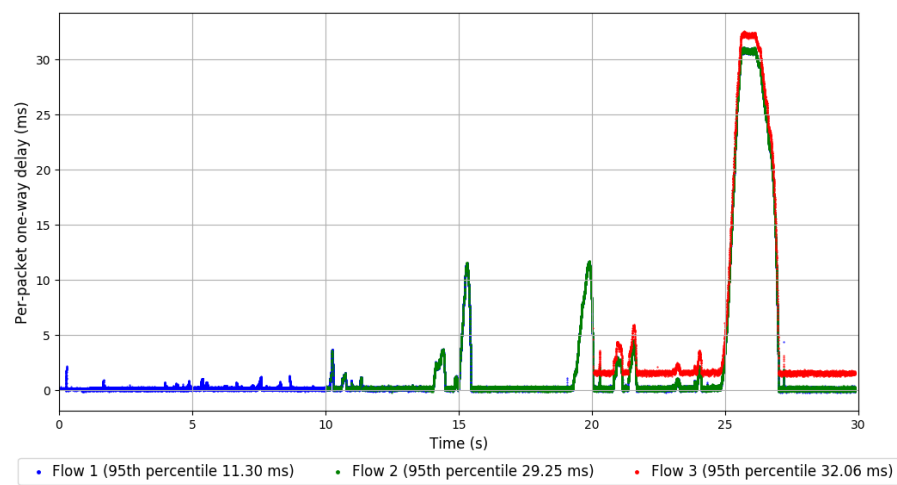
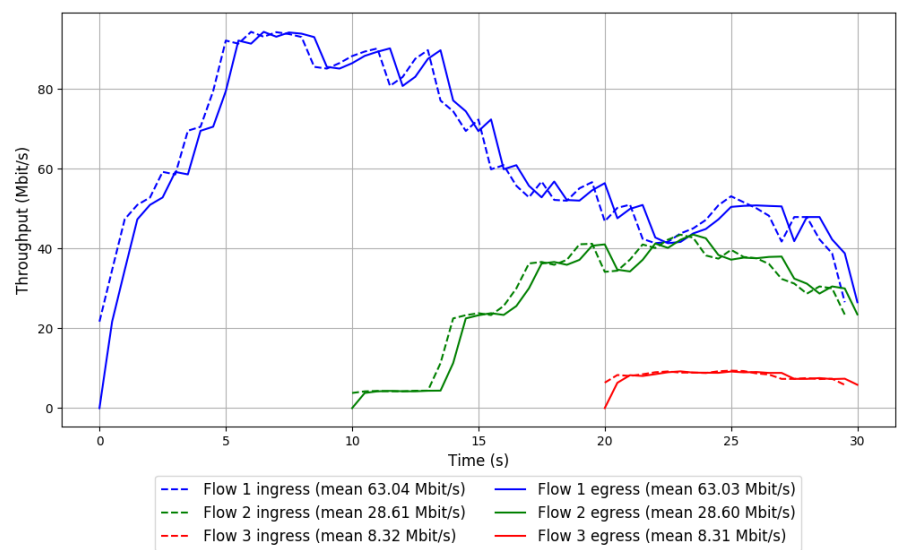


Run 7: Statistics of PCC-Allegro

Start at: 2018-06-05 13:21:24
End at: 2018-06-05 13:21:54
Local clock offset: -5.045 ms
Remote clock offset: 15.035 ms

Below is generated by plot.py at 2018-06-05 14:39:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.78 Mbit/s
95th percentile per-packet one-way delay: 22.037 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 63.03 Mbit/s
95th percentile per-packet one-way delay: 11.300 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 28.60 Mbit/s
95th percentile per-packet one-way delay: 29.252 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 8.31 Mbit/s
95th percentile per-packet one-way delay: 32.058 ms
Loss rate: 0.14%

Run 7: Report of PCC-Allegro — Data Link

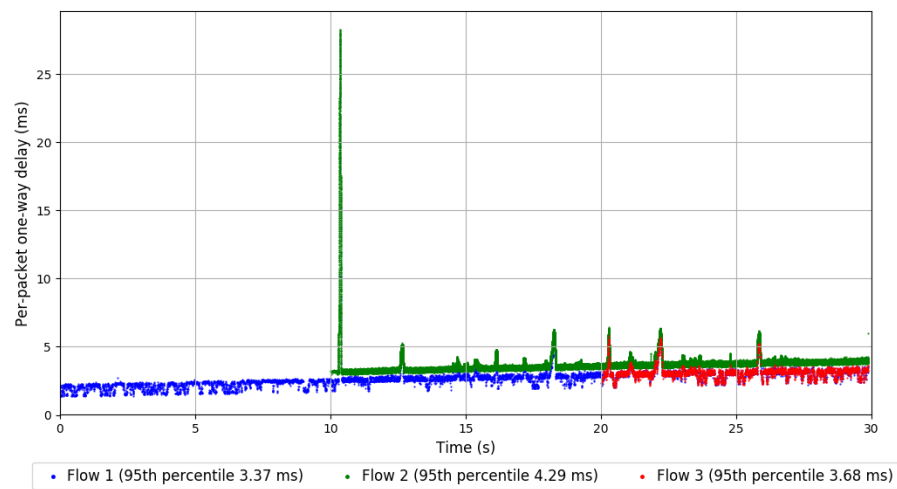
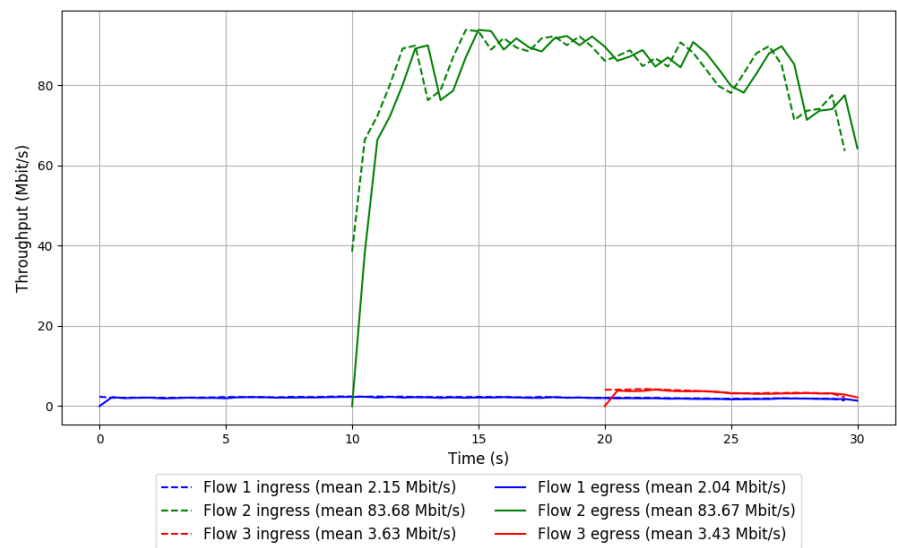


Run 8: Statistics of PCC-Allegro

Start at: 2018-06-05 13:39:27
End at: 2018-06-05 13:39:57
Local clock offset: -5.881 ms
Remote clock offset: 11.028 ms

Below is generated by plot.py at 2018-06-05 14:39:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.81 Mbit/s
95th percentile per-packet one-way delay: 4.261 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 3.372 ms
Loss rate: 4.99%
-- Flow 2:
Average throughput: 83.67 Mbit/s
95th percentile per-packet one-way delay: 4.293 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 3.681 ms
Loss rate: 5.41%

Run 8: Report of PCC-Allegro — Data Link

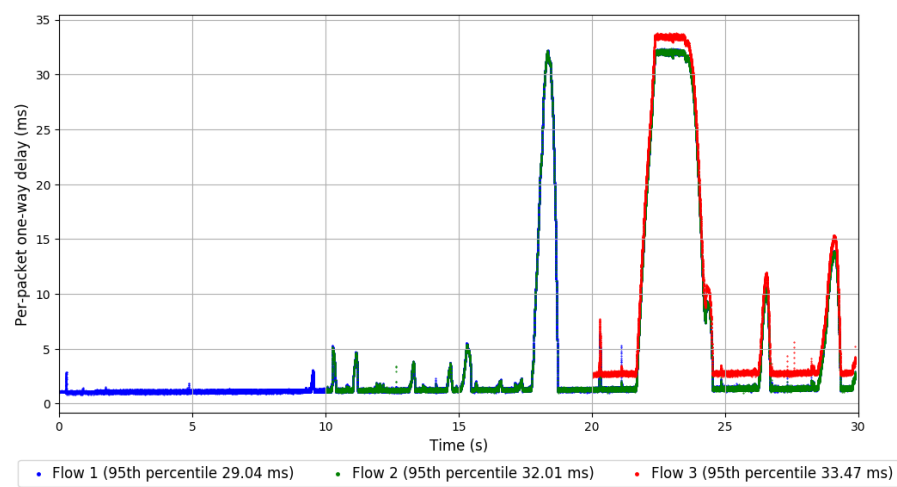
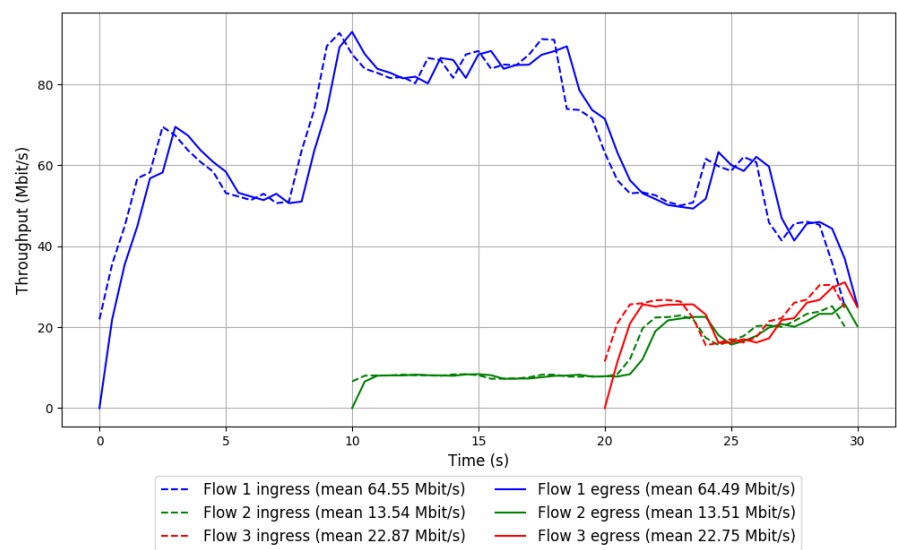


Run 9: Statistics of PCC-Allegro

Start at: 2018-06-05 13:57:28
End at: 2018-06-05 13:57:58
Local clock offset: -5.902 ms
Remote clock offset: -9.984 ms

Below is generated by plot.py at 2018-06-05 14:39:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.98 Mbit/s
95th percentile per-packet one-way delay: 31.645 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 64.49 Mbit/s
95th percentile per-packet one-way delay: 29.044 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 13.51 Mbit/s
95th percentile per-packet one-way delay: 32.008 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 22.75 Mbit/s
95th percentile per-packet one-way delay: 33.470 ms
Loss rate: 0.50%

Run 9: Report of PCC-Allegro — Data Link

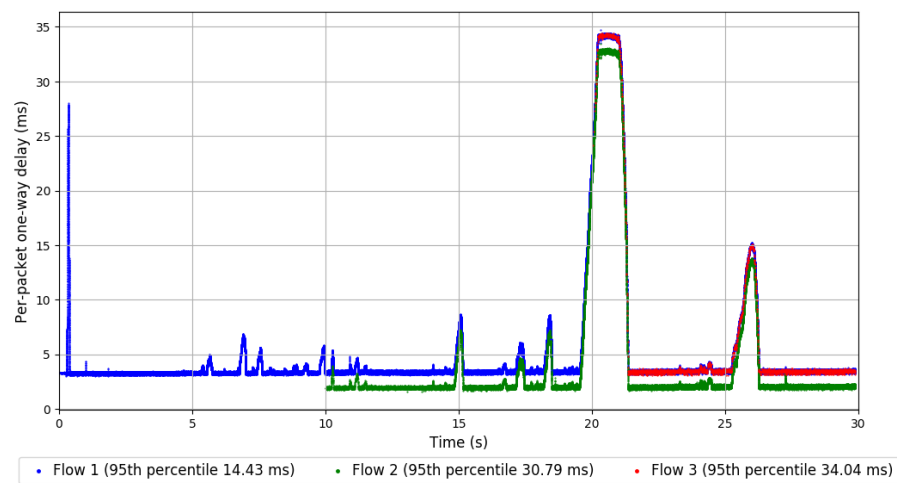
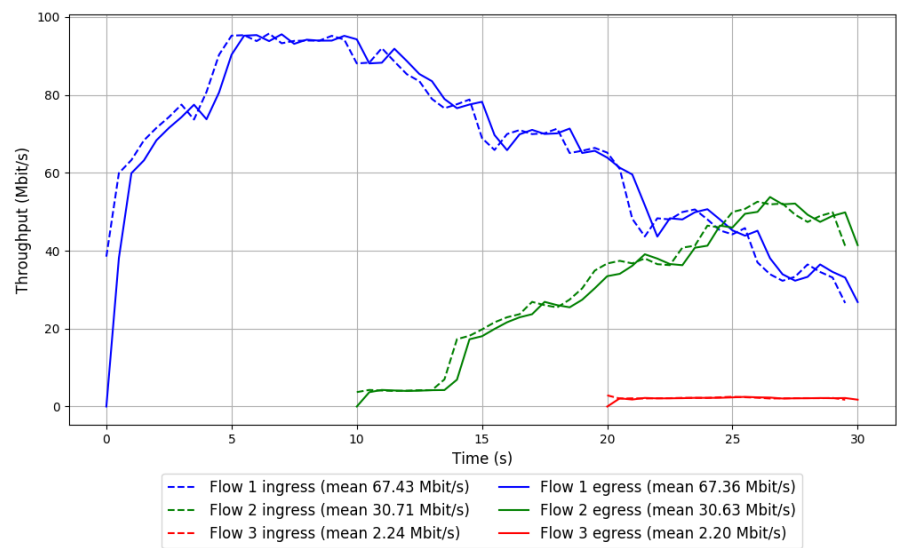


Run 10: Statistics of PCC-Allegro

Start at: 2018-06-05 14:15:32
End at: 2018-06-05 14:16:02
Local clock offset: -6.596 ms
Remote clock offset: -16.847 ms

Below is generated by plot.py at 2018-06-05 14:40:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.45 Mbit/s
95th percentile per-packet one-way delay: 18.896 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 67.36 Mbit/s
95th percentile per-packet one-way delay: 14.432 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 30.63 Mbit/s
95th percentile per-packet one-way delay: 30.787 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 34.043 ms
Loss rate: 2.03%

Run 10: Report of PCC-Allegro — Data Link

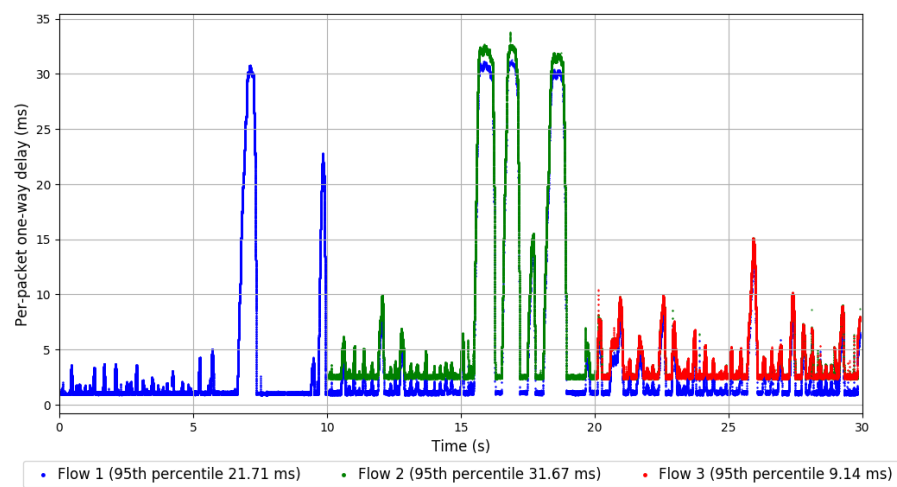
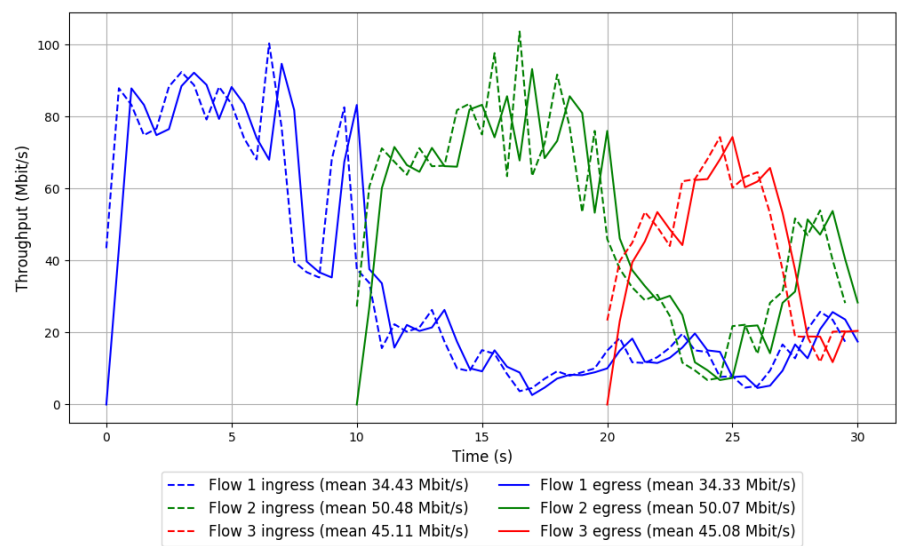


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-05 11:27:29
End at: 2018-06-05 11:27:59
Local clock offset: -5.427 ms
Remote clock offset: -7.042 ms

# Below is generated by plot.py at 2018-06-05 14:41:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.52 Mbit/s
95th percentile per-packet one-way delay: 29.900 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 34.33 Mbit/s
95th percentile per-packet one-way delay: 21.710 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 50.07 Mbit/s
95th percentile per-packet one-way delay: 31.670 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 45.08 Mbit/s
95th percentile per-packet one-way delay: 9.137 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link

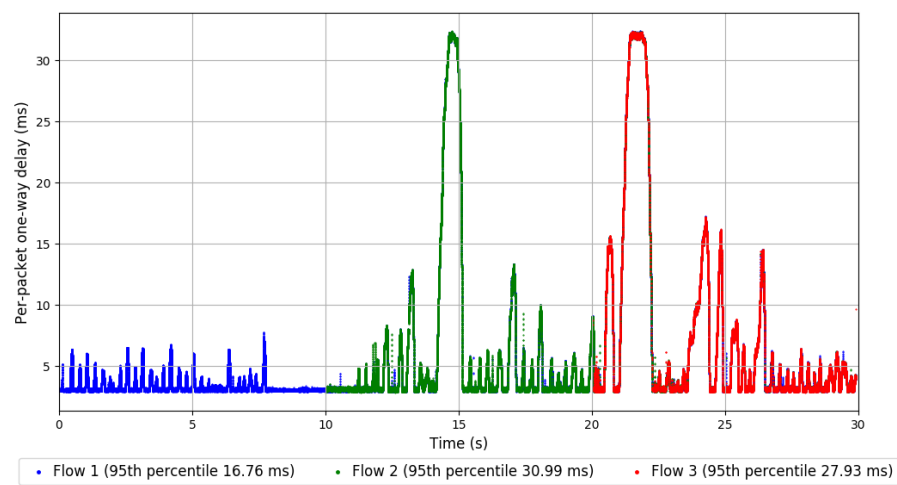
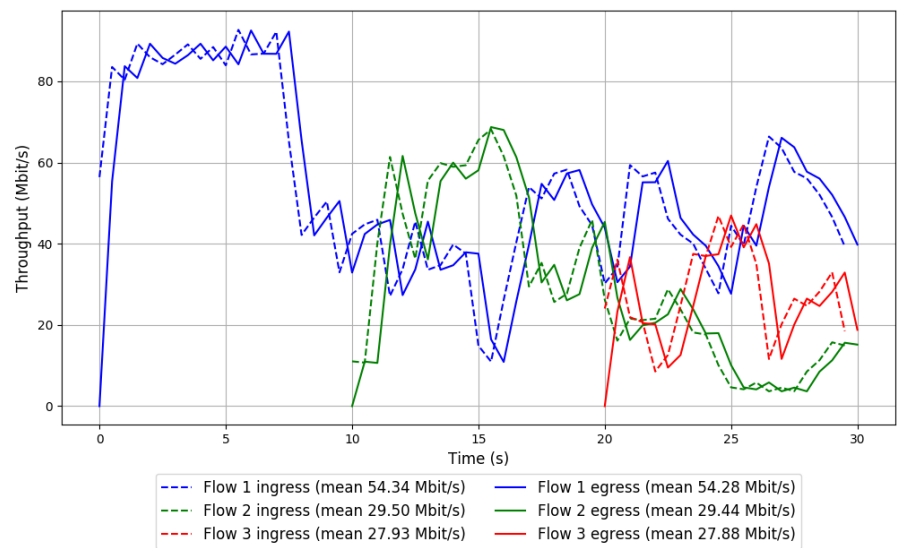


```
Run 2: Statistics of PCC-Expr

Start at: 2018-06-05 11:45:32
End at: 2018-06-05 11:46:02
Local clock offset: -6.079 ms
Remote clock offset: -6.794 ms

# Below is generated by plot.py at 2018-06-05 14:41:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.05 Mbit/s
95th percentile per-packet one-way delay: 26.262 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 54.28 Mbit/s
95th percentile per-packet one-way delay: 16.756 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 29.44 Mbit/s
95th percentile per-packet one-way delay: 30.987 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 27.88 Mbit/s
95th percentile per-packet one-way delay: 27.928 ms
Loss rate: 0.20%
```

Run 2: Report of PCC-Expr — Data Link

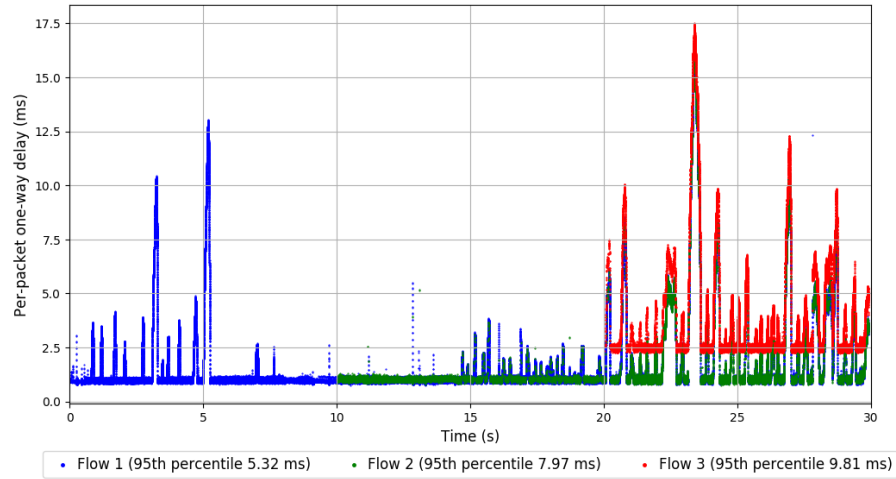
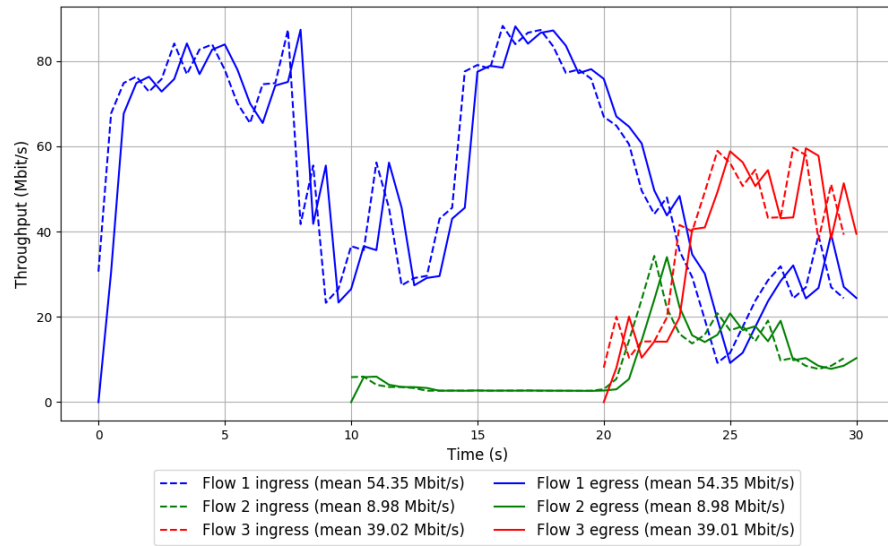


Run 3: Statistics of PCC-Expr

Start at: 2018-06-05 12:03:36
End at: 2018-06-05 12:04:06
Local clock offset: -5.221 ms
Remote clock offset: -6.566 ms

Below is generated by plot.py at 2018-06-05 14:41:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.20 Mbit/s
95th percentile per-packet one-way delay: 7.007 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.35 Mbit/s
95th percentile per-packet one-way delay: 5.322 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.98 Mbit/s
95th percentile per-packet one-way delay: 7.972 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.01 Mbit/s
95th percentile per-packet one-way delay: 9.808 ms
Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link

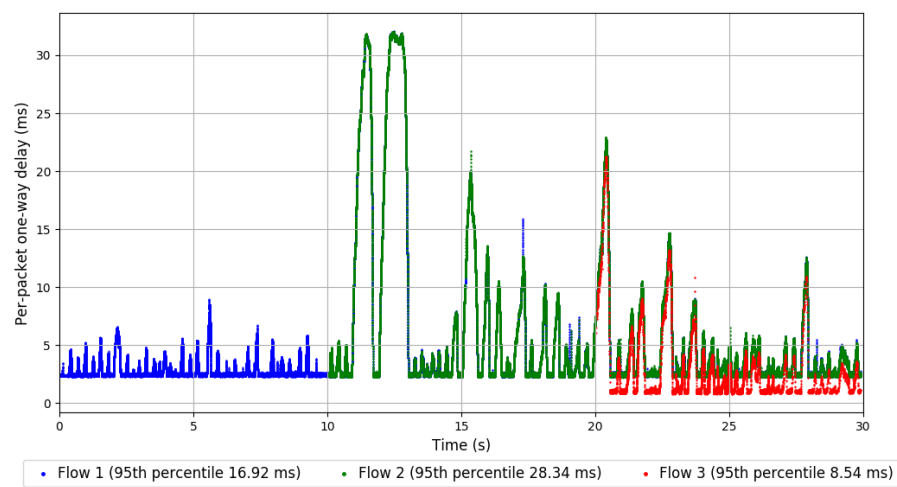
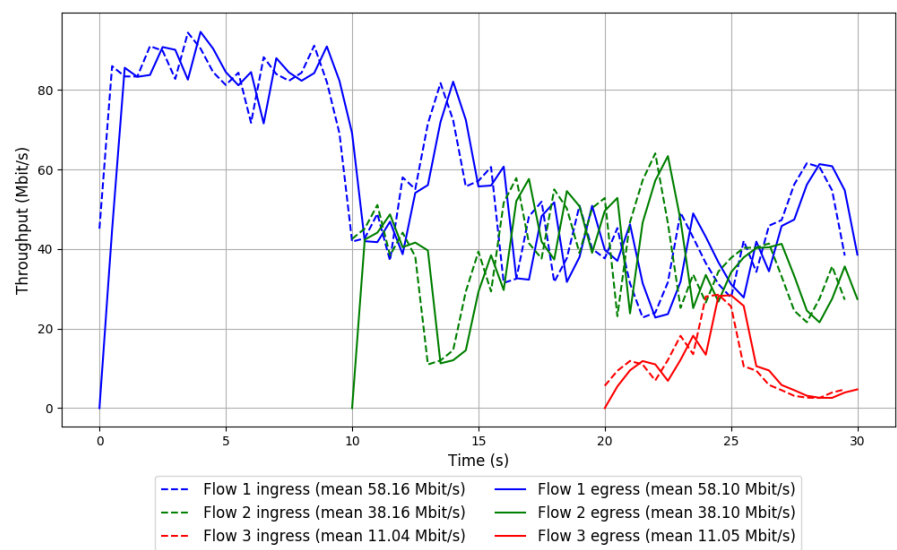


Run 4: Statistics of PCC-Expr

Start at: 2018-06-05 12:21:38
End at: 2018-06-05 12:22:08
Local clock offset: -5.906 ms
Remote clock offset: -6.453 ms

Below is generated by plot.py at 2018-06-05 14:41:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.09 Mbit/s
95th percentile per-packet one-way delay: 20.769 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: 16.924 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 38.10 Mbit/s
95th percentile per-packet one-way delay: 28.337 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 11.05 Mbit/s
95th percentile per-packet one-way delay: 8.541 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-06-05 12:39:42

End at: 2018-06-05 12:40:12

Local clock offset: -5.862 ms

Remote clock offset: 4.305 ms

Below is generated by plot.py at 2018-06-05 14:41:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.20 Mbit/s

95th percentile per-packet one-way delay: 7.100 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 38.72 Mbit/s

95th percentile per-packet one-way delay: 6.000 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 40.04 Mbit/s

95th percentile per-packet one-way delay: 9.659 ms

Loss rate: 0.00%

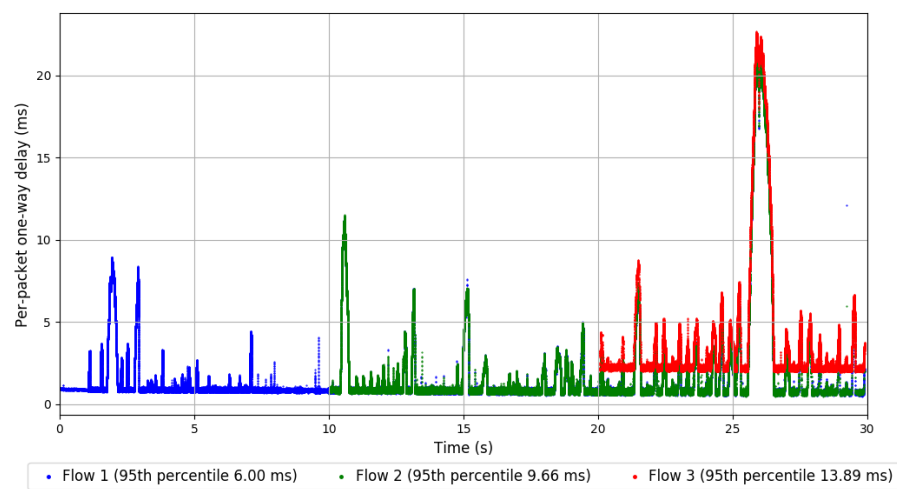
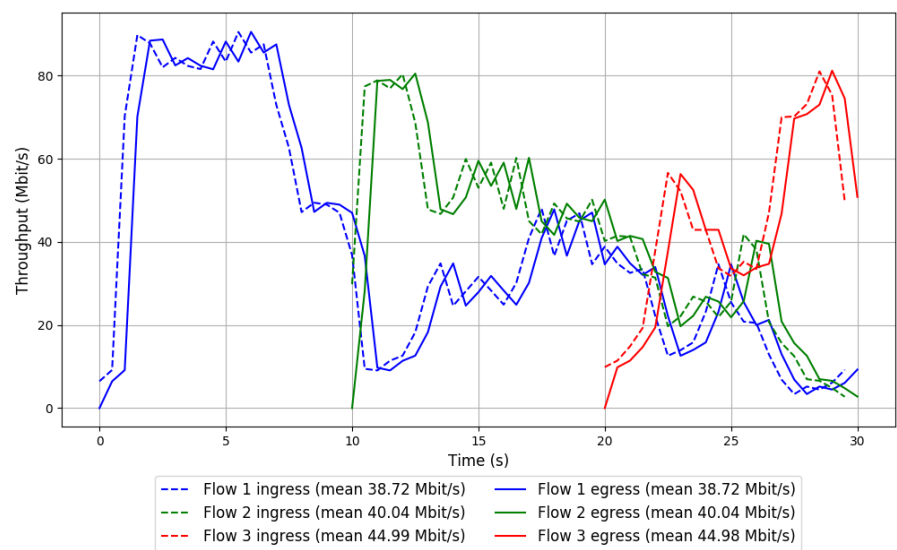
-- Flow 3:

Average throughput: 44.98 Mbit/s

95th percentile per-packet one-way delay: 13.889 ms

Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-05 12:57:45

End at: 2018-06-05 12:58:15

Local clock offset: -5.534 ms

Remote clock offset: 10.52 ms

Below is generated by plot.py at 2018-06-05 14:41:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.28 Mbit/s

95th percentile per-packet one-way delay: 24.170 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 71.33 Mbit/s

95th percentile per-packet one-way delay: 27.302 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 12.28 Mbit/s

95th percentile per-packet one-way delay: 14.993 ms

Loss rate: 0.24%

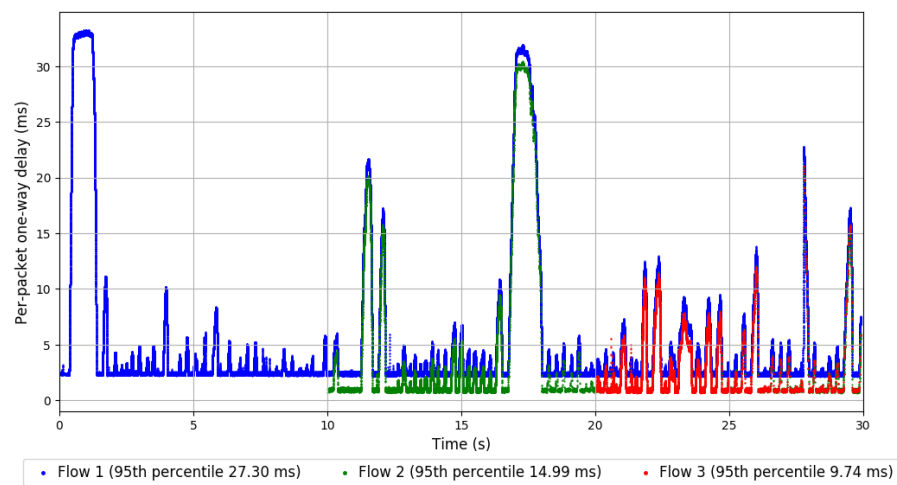
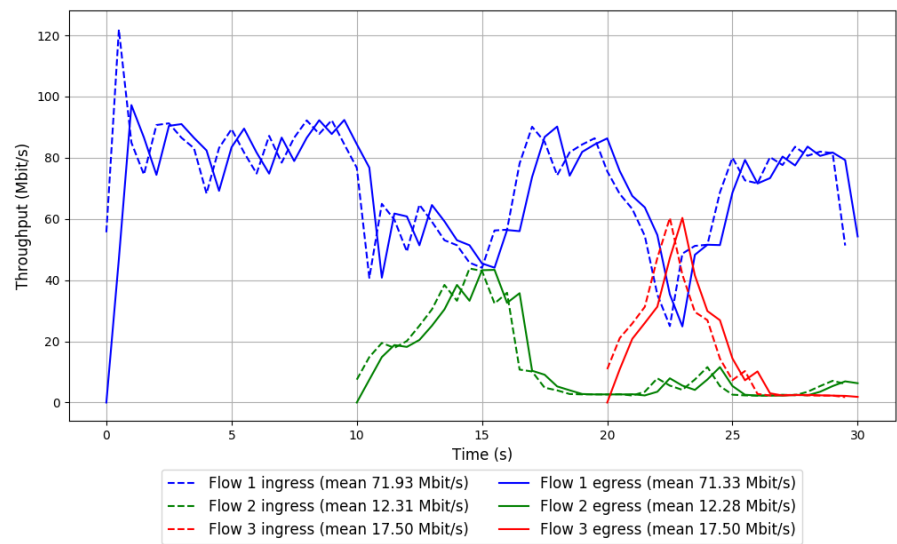
-- Flow 3:

Average throughput: 17.50 Mbit/s

95th percentile per-packet one-way delay: 9.741 ms

Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link

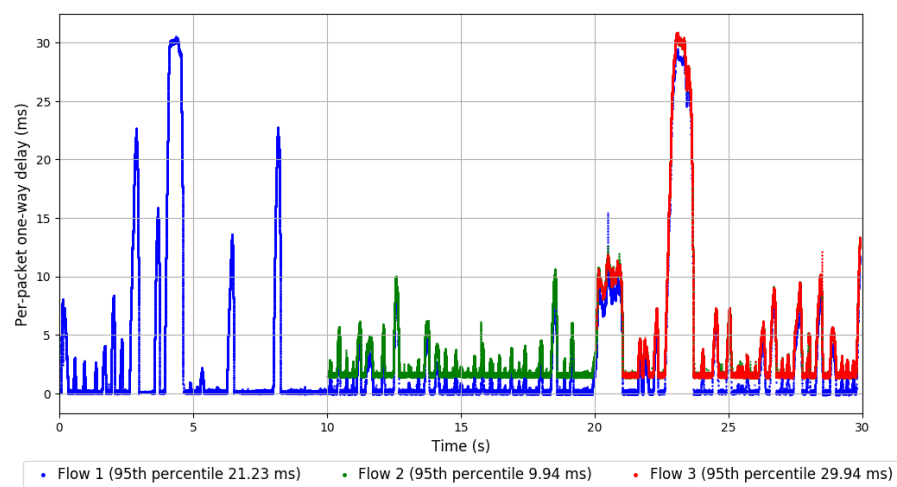
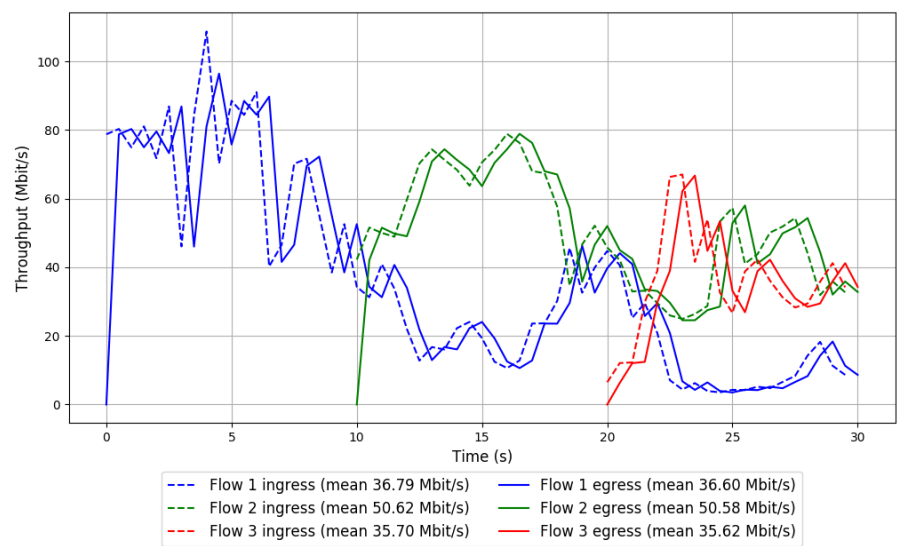


Run 7: Statistics of PCC-Expr

Start at: 2018-06-05 13:15:48
End at: 2018-06-05 13:16:18
Local clock offset: -5.004 ms
Remote clock offset: 13.984 ms

Below is generated by plot.py at 2018-06-05 14:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.03 Mbit/s
95th percentile per-packet one-way delay: 21.424 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 36.60 Mbit/s
95th percentile per-packet one-way delay: 21.234 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 50.58 Mbit/s
95th percentile per-packet one-way delay: 9.938 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 35.62 Mbit/s
95th percentile per-packet one-way delay: 29.941 ms
Loss rate: 0.14%

Run 7: Report of PCC-Expr — Data Link

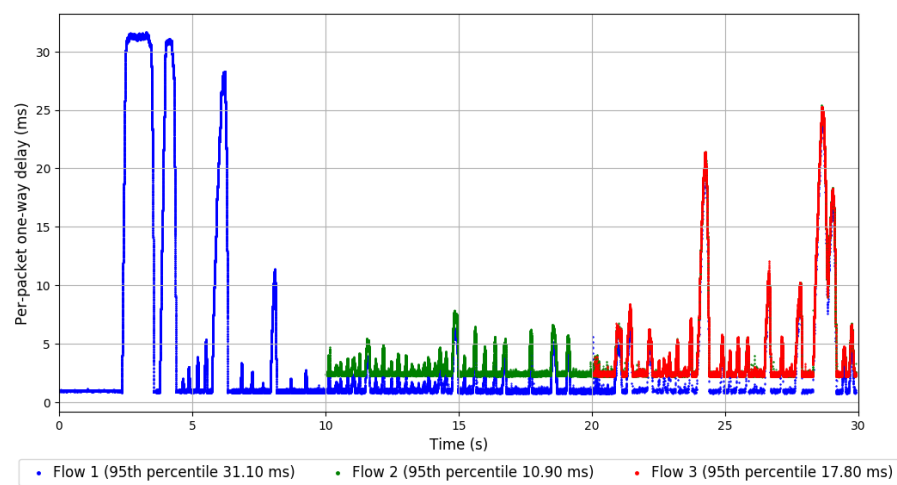
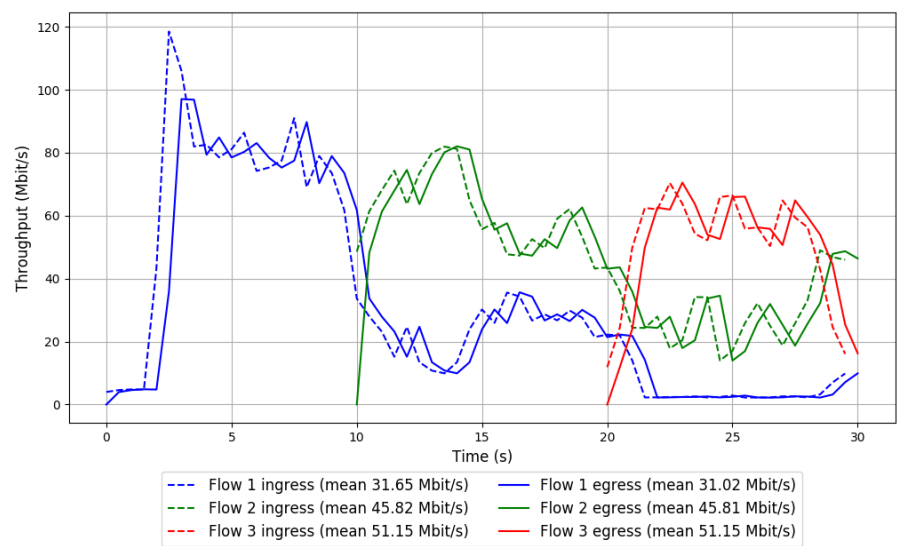


Run 8: Statistics of PCC-Expr

Start at: 2018-06-05 13:33:51
End at: 2018-06-05 13:34:21
Local clock offset: -5.868 ms
Remote clock offset: 17.255 ms

Below is generated by plot.py at 2018-06-05 14:42:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.38 Mbit/s
95th percentile per-packet one-way delay: 24.973 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 31.101 ms
Loss rate: 2.01%
-- Flow 2:
Average throughput: 45.81 Mbit/s
95th percentile per-packet one-way delay: 10.897 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.15 Mbit/s
95th percentile per-packet one-way delay: 17.797 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link

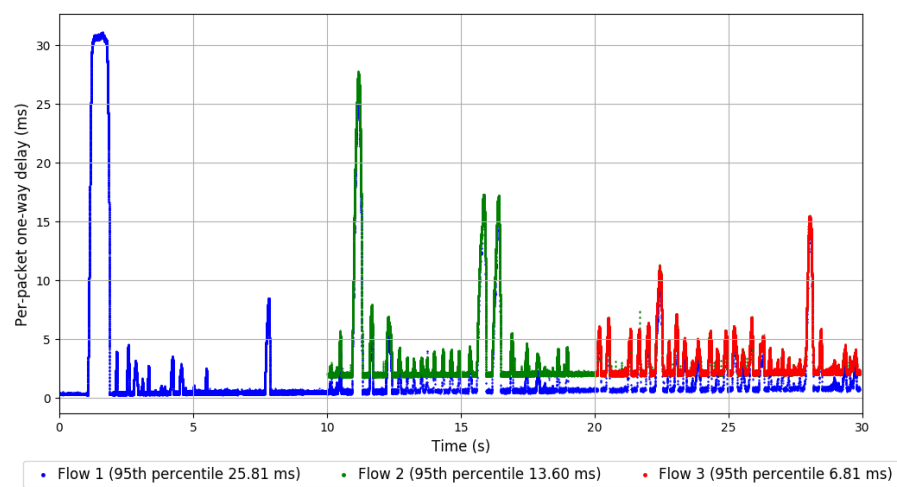
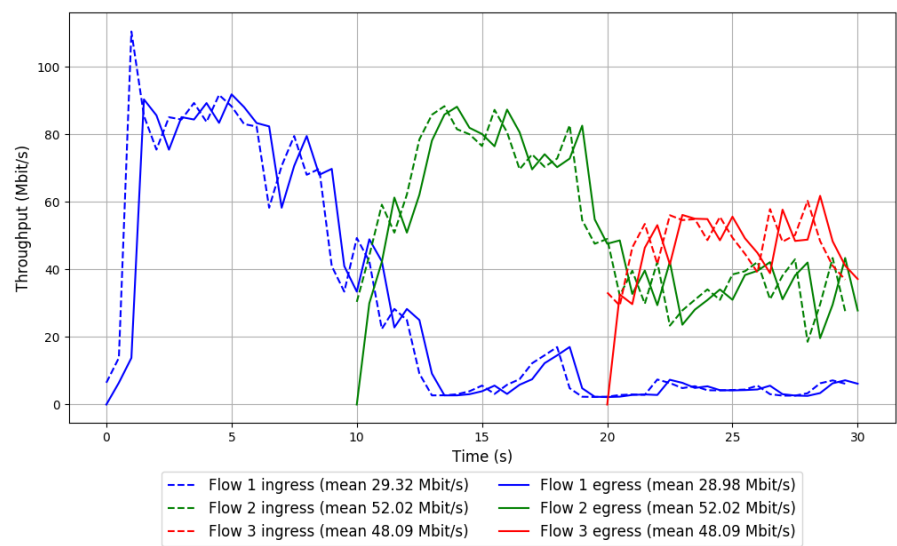


Run 9: Statistics of PCC-Expr

Start at: 2018-06-05 13:51:52
End at: 2018-06-05 13:52:22
Local clock offset: -5.176 ms
Remote clock offset: -6.453 ms

Below is generated by plot.py at 2018-06-05 14:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.46 Mbit/s
95th percentile per-packet one-way delay: 13.340 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 28.98 Mbit/s
95th percentile per-packet one-way delay: 25.809 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 52.02 Mbit/s
95th percentile per-packet one-way delay: 13.602 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.09 Mbit/s
95th percentile per-packet one-way delay: 6.811 ms
Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link

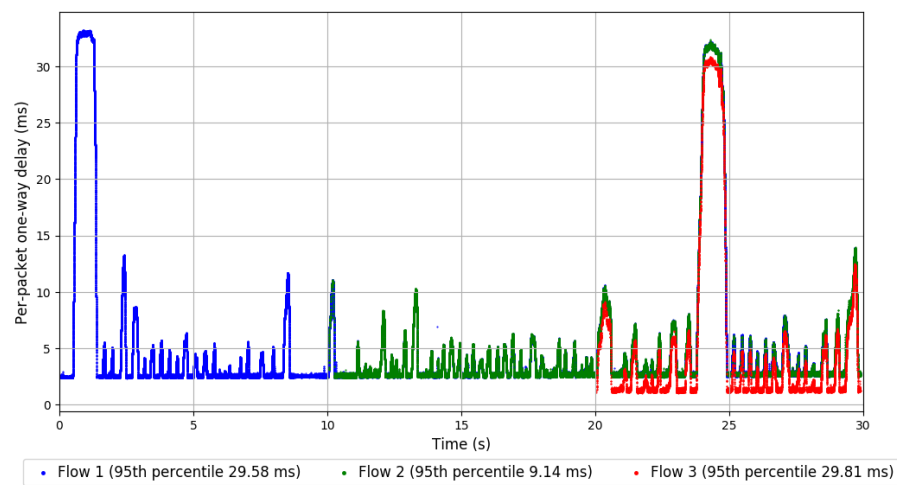
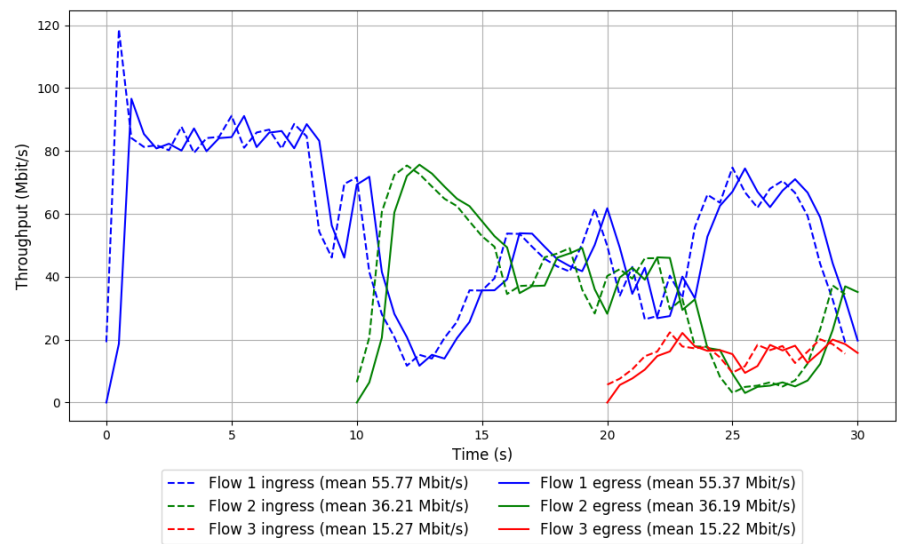


Run 10: Statistics of PCC-Expr

Start at: 2018-06-05 14:09:55
End at: 2018-06-05 14:10:26
Local clock offset: -5.846 ms
Remote clock offset: -15.05 ms

Below is generated by plot.py at 2018-06-05 14:43:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.46 Mbit/s
95th percentile per-packet one-way delay: 22.962 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 55.37 Mbit/s
95th percentile per-packet one-way delay: 29.584 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 36.19 Mbit/s
95th percentile per-packet one-way delay: 9.145 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 15.22 Mbit/s
95th percentile per-packet one-way delay: 29.810 ms
Loss rate: 0.32%

Run 10: Report of PCC-Expr — Data Link

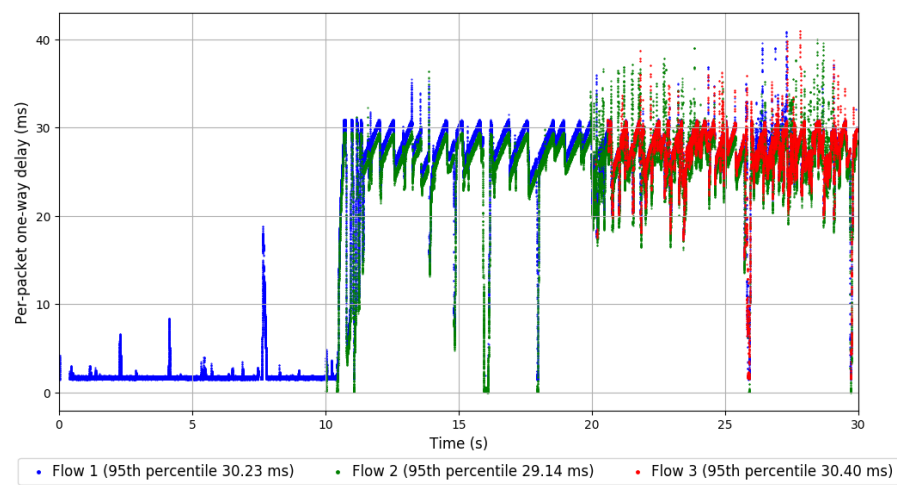
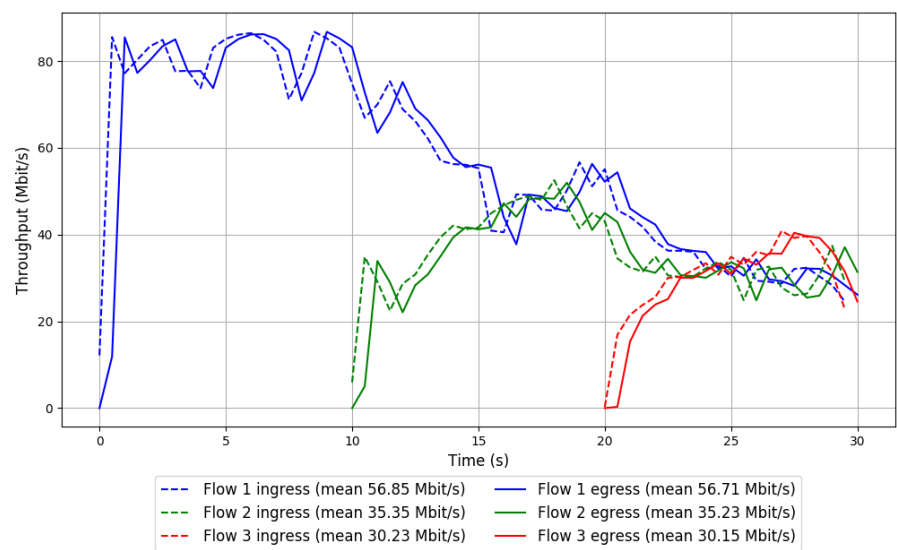


Run 1: Statistics of QUIC Cubic

Start at: 2018-06-05 11:34:11
End at: 2018-06-05 11:34:41
Local clock offset: -4.494 ms
Remote clock offset: -6.811 ms

Below is generated by plot.py at 2018-06-05 14:43:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.05 Mbit/s
95th percentile per-packet one-way delay: 30.188 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 56.71 Mbit/s
95th percentile per-packet one-way delay: 30.231 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 35.23 Mbit/s
95th percentile per-packet one-way delay: 29.136 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 30.15 Mbit/s
95th percentile per-packet one-way delay: 30.401 ms
Loss rate: 0.19%

Run 1: Report of QUIC Cubic — Data Link

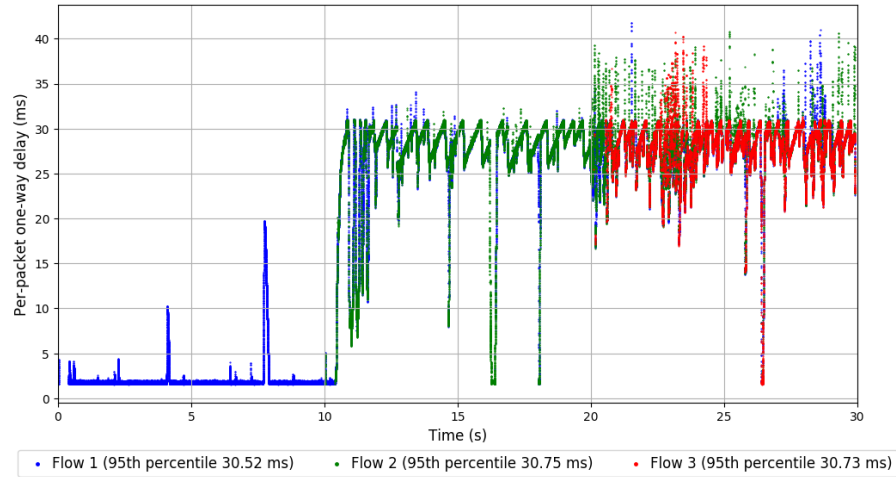
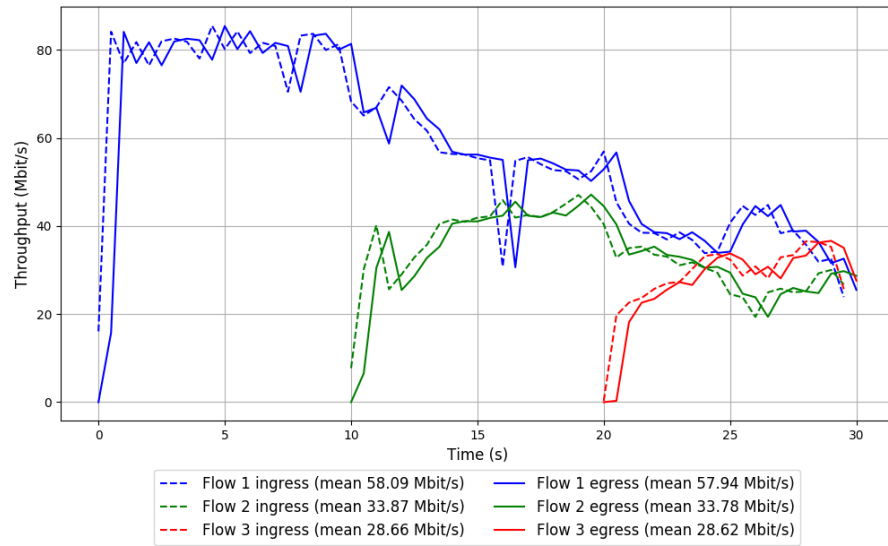


Run 2: Statistics of QUIC Cubic

Start at: 2018-06-05 11:52:15
End at: 2018-06-05 11:52:45
Local clock offset: -6.066 ms
Remote clock offset: -6.598 ms

Below is generated by plot.py at 2018-06-05 14:43:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 30.636 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.94 Mbit/s
95th percentile per-packet one-way delay: 30.518 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 33.78 Mbit/s
95th percentile per-packet one-way delay: 30.746 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 28.62 Mbit/s
95th percentile per-packet one-way delay: 30.729 ms
Loss rate: 0.19%

Run 2: Report of QUIC Cubic — Data Link

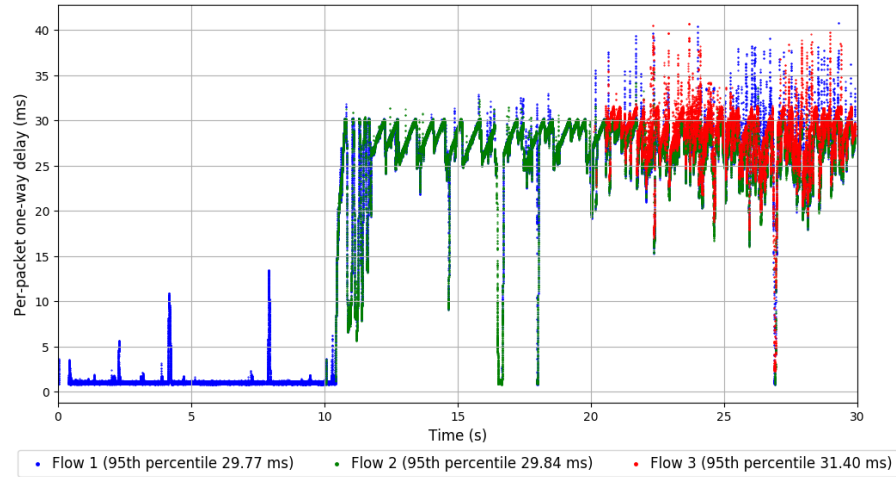
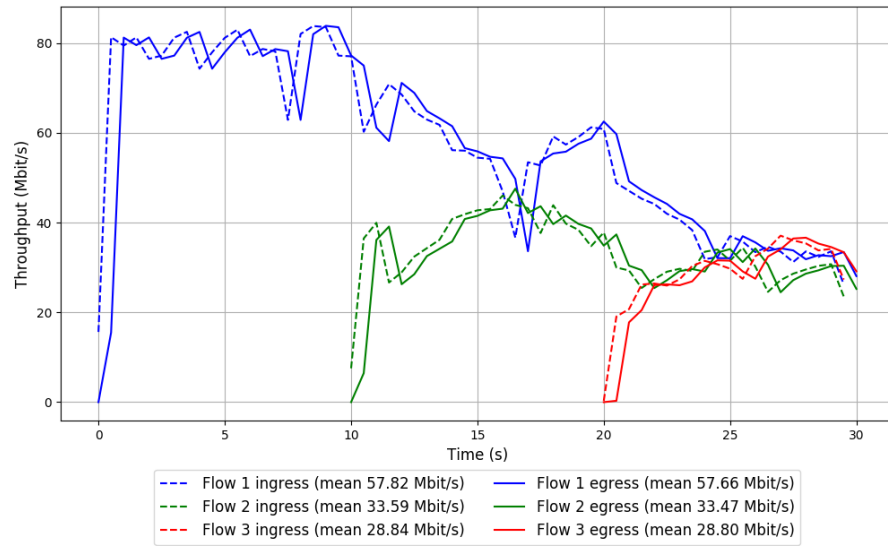


Run 3: Statistics of QUIC Cubic

Start at: 2018-06-05 12:10:18
End at: 2018-06-05 12:10:48
Local clock offset: -5.637 ms
Remote clock offset: -6.522 ms

Below is generated by plot.py at 2018-06-05 14:43:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.35 Mbit/s
95th percentile per-packet one-way delay: 29.974 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 57.66 Mbit/s
95th percentile per-packet one-way delay: 29.767 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 33.47 Mbit/s
95th percentile per-packet one-way delay: 29.836 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 28.80 Mbit/s
95th percentile per-packet one-way delay: 31.403 ms
Loss rate: 0.12%

Run 3: Report of QUIC Cubic — Data Link

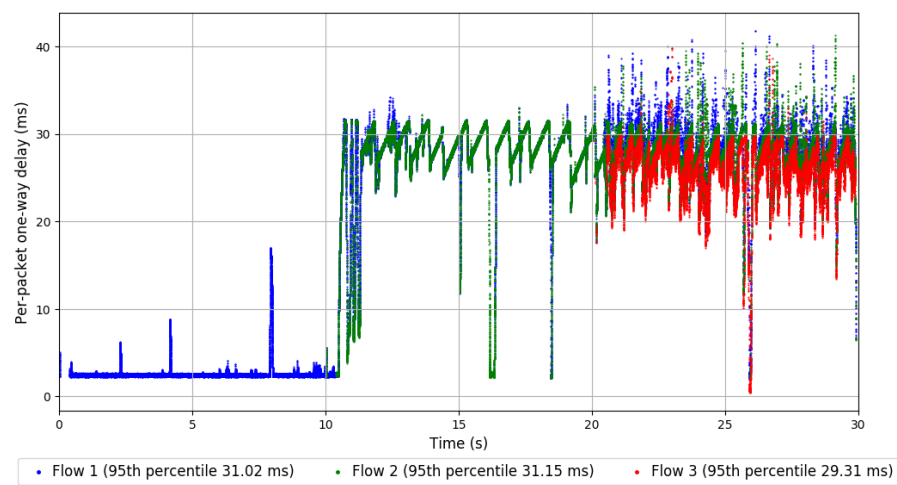
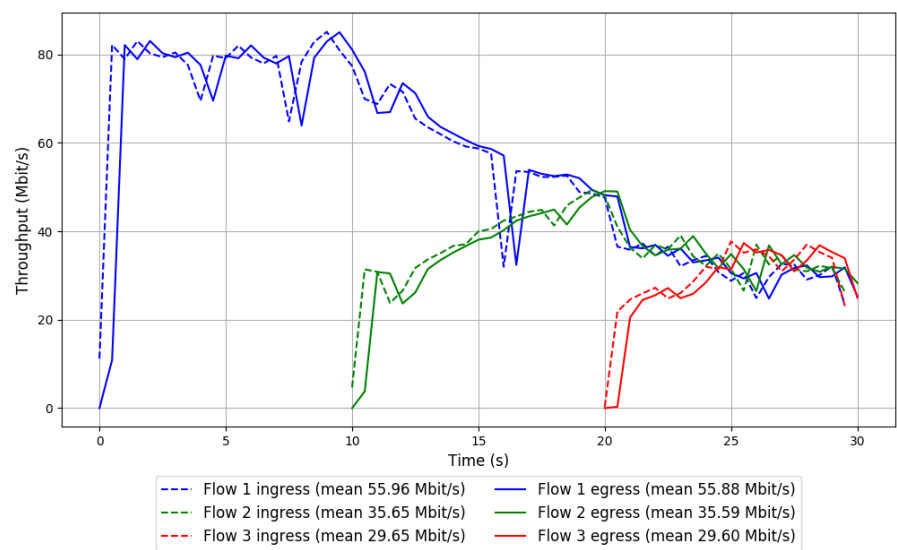


Run 4: Statistics of QUIC Cubic

Start at: 2018-06-05 12:28:21
End at: 2018-06-05 12:28:52
Local clock offset: -5.985 ms
Remote clock offset: -6.425 ms

Below is generated by plot.py at 2018-06-05 14:43:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.23 Mbit/s
95th percentile per-packet one-way delay: 31.022 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 55.88 Mbit/s
95th percentile per-packet one-way delay: 31.019 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 35.59 Mbit/s
95th percentile per-packet one-way delay: 31.153 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 29.60 Mbit/s
95th percentile per-packet one-way delay: 29.307 ms
Loss rate: 0.21%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-05 12:46:24

End at: 2018-06-05 12:46:54

Local clock offset: -4.895 ms

Remote clock offset: 7.379 ms

Below is generated by plot.py at 2018-06-05 14:43:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.36 Mbit/s

95th percentile per-packet one-way delay: 30.010 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 58.94 Mbit/s

95th percentile per-packet one-way delay: 30.135 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 35.13 Mbit/s

95th percentile per-packet one-way delay: 28.899 ms

Loss rate: 0.21%

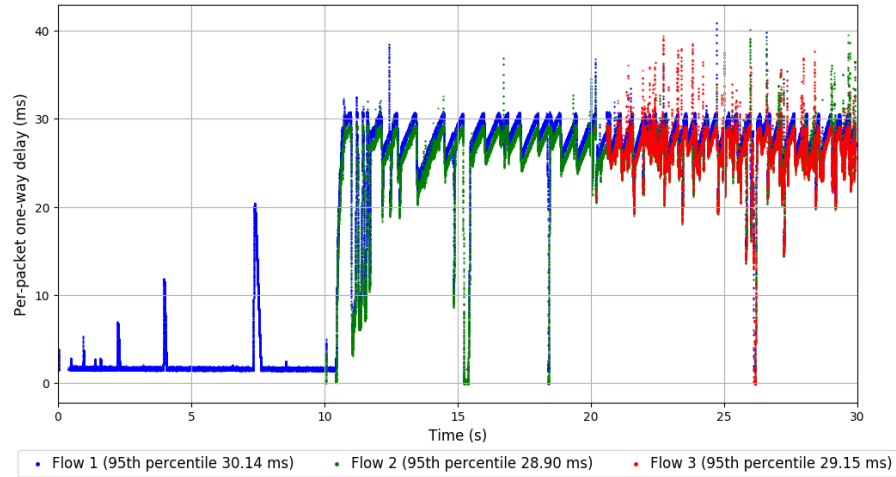
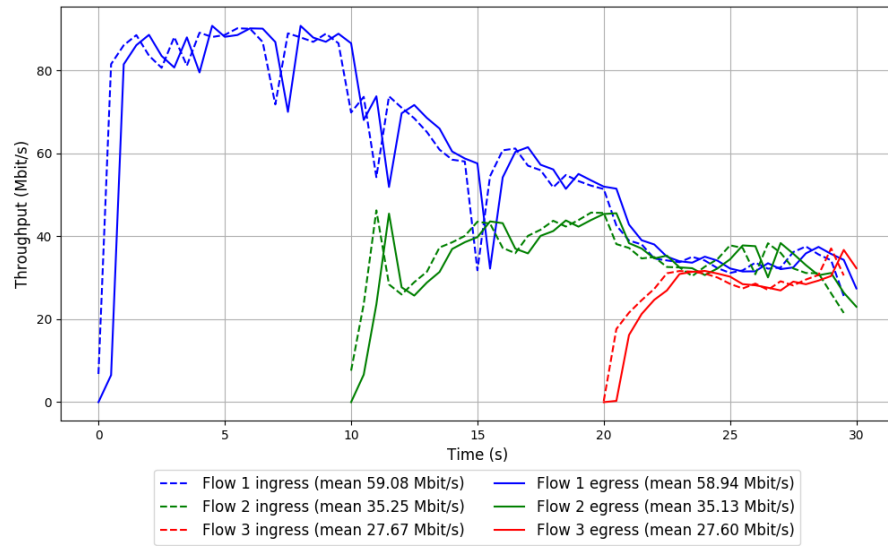
-- Flow 3:

Average throughput: 27.60 Mbit/s

95th percentile per-packet one-way delay: 29.149 ms

Loss rate: 0.26%

Run 5: Report of QUIC Cubic — Data Link

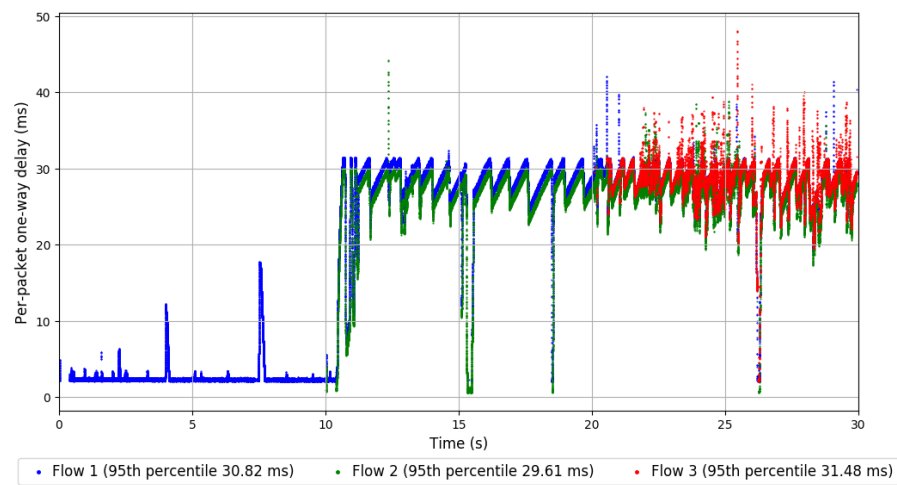
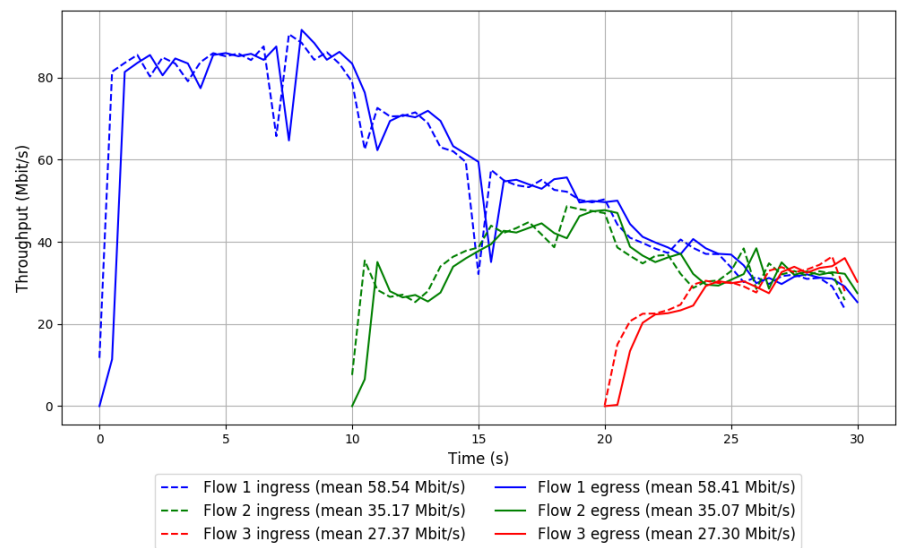


Run 6: Statistics of QUIC Cubic

Start at: 2018-06-05 13:04:28
End at: 2018-06-05 13:04:58
Local clock offset: -5.503 ms
Remote clock offset: 11.851 ms

Below is generated by plot.py at 2018-06-05 14:43:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.69 Mbit/s
95th percentile per-packet one-way delay: 30.795 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 58.41 Mbit/s
95th percentile per-packet one-way delay: 30.819 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 35.07 Mbit/s
95th percentile per-packet one-way delay: 29.612 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 27.30 Mbit/s
95th percentile per-packet one-way delay: 31.480 ms
Loss rate: 0.24%

Run 6: Report of QUIC Cubic — Data Link

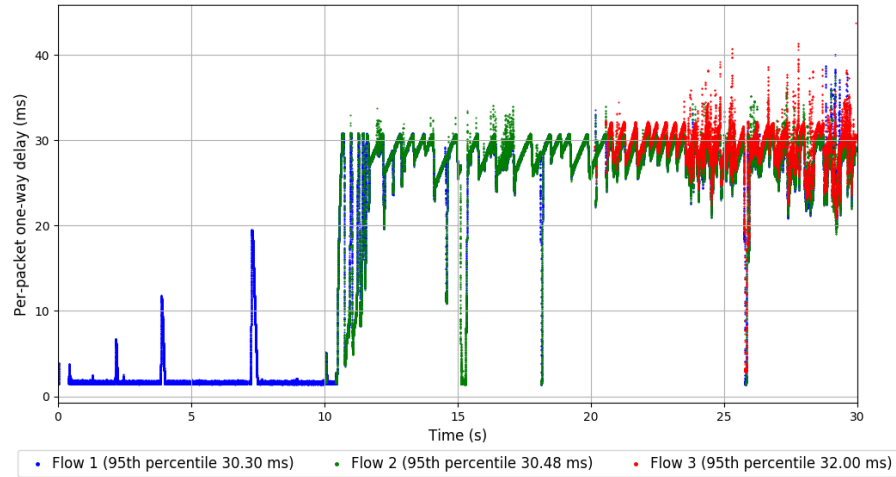
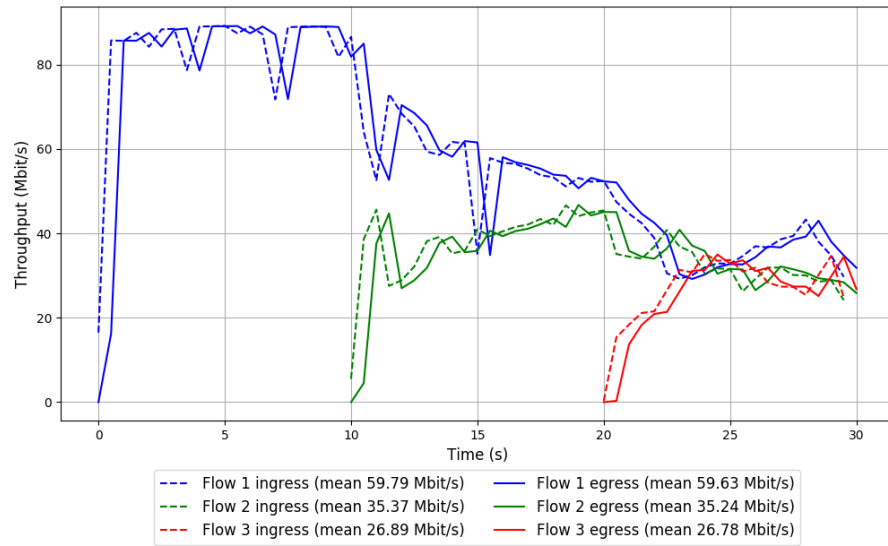


Run 7: Statistics of QUIC Cubic

Start at: 2018-06-05 13:22:30
End at: 2018-06-05 13:23:00
Local clock offset: -6.588 ms
Remote clock offset: 15.135 ms

Below is generated by plot.py at 2018-06-05 14:43:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.82 Mbit/s
95th percentile per-packet one-way delay: 30.553 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.63 Mbit/s
95th percentile per-packet one-way delay: 30.304 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 35.24 Mbit/s
95th percentile per-packet one-way delay: 30.477 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 26.78 Mbit/s
95th percentile per-packet one-way delay: 31.999 ms
Loss rate: 0.26%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-05 13:40:32

End at: 2018-06-05 13:41:02

Local clock offset: -5.108 ms

Remote clock offset: 8.506 ms

Below is generated by plot.py at 2018-06-05 14:43:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.21 Mbit/s

95th percentile per-packet one-way delay: 30.169 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 56.70 Mbit/s

95th percentile per-packet one-way delay: 29.999 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 34.40 Mbit/s

95th percentile per-packet one-way delay: 30.290 ms

Loss rate: 0.18%

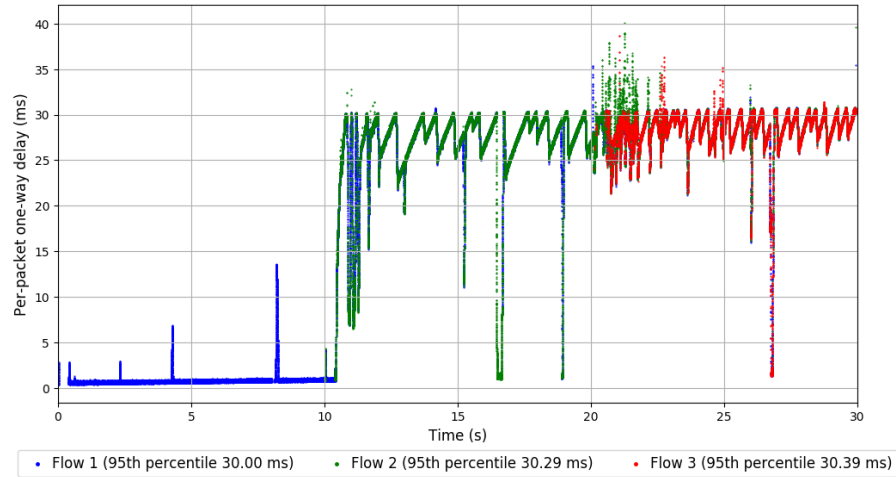
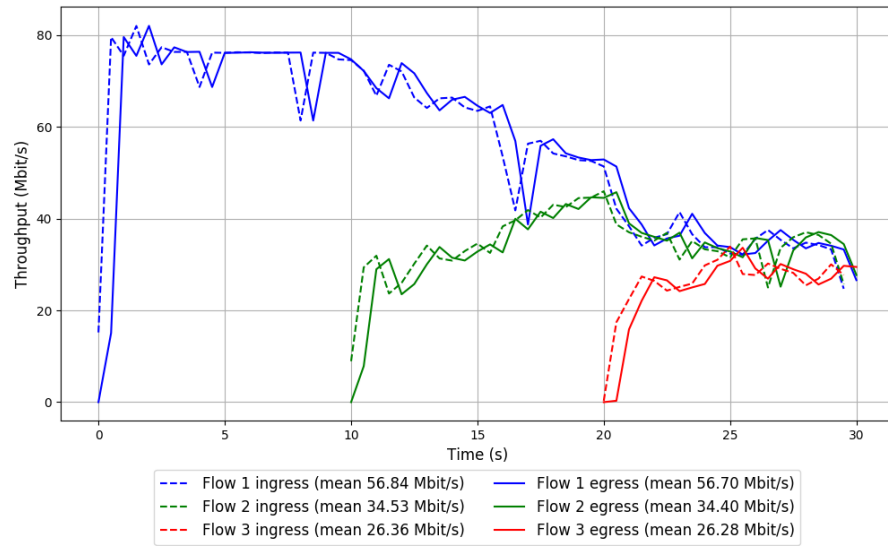
-- Flow 3:

Average throughput: 26.28 Mbit/s

95th percentile per-packet one-way delay: 30.387 ms

Loss rate: 0.24%

Run 8: Report of QUIC Cubic — Data Link

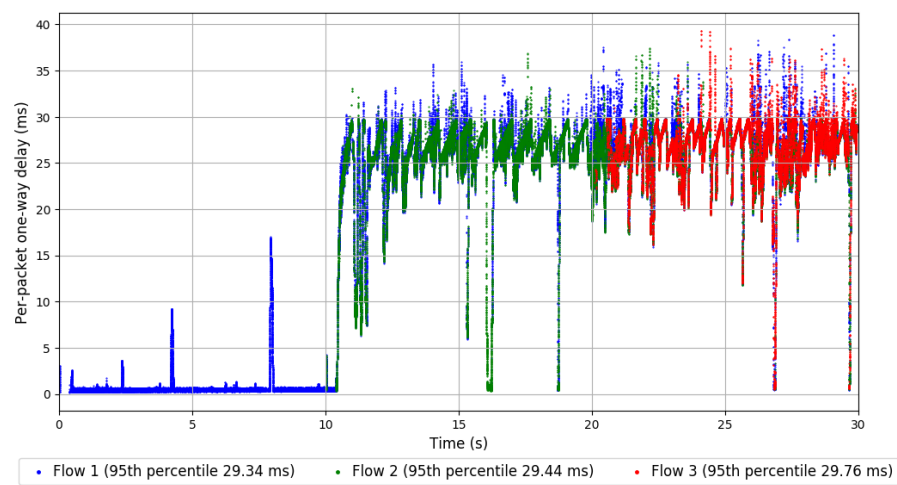
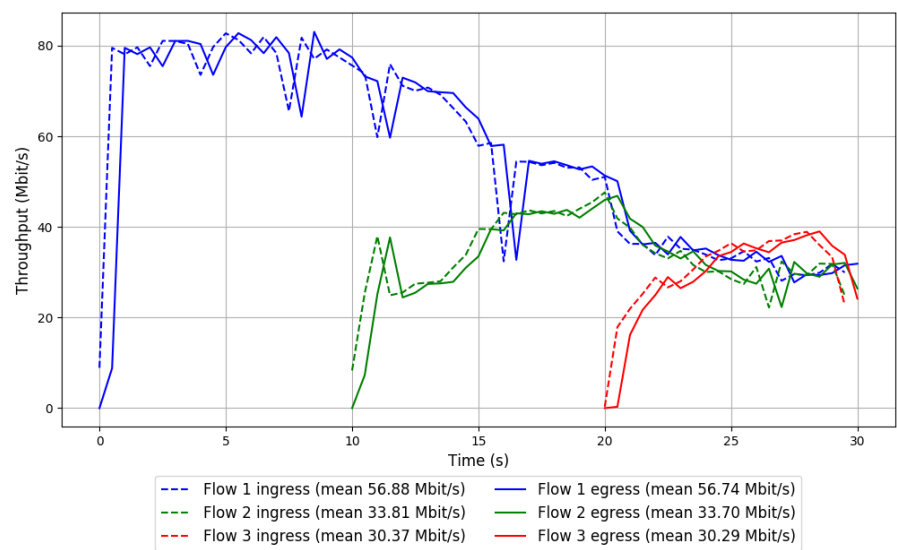


Run 9: Statistics of QUIC Cubic

Start at: 2018-06-05 13:58:34
End at: 2018-06-05 13:59:04
Local clock offset: -5.194 ms
Remote clock offset: -10.539 ms

Below is generated by plot.py at 2018-06-05 14:44:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.12 Mbit/s
95th percentile per-packet one-way delay: 29.443 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 56.74 Mbit/s
95th percentile per-packet one-way delay: 29.337 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 33.70 Mbit/s
95th percentile per-packet one-way delay: 29.443 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 30.29 Mbit/s
95th percentile per-packet one-way delay: 29.756 ms
Loss rate: 0.23%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-05 14:16:38

End at: 2018-06-05 14:17:08

Local clock offset: -5.048 ms

Remote clock offset: -17.229 ms

Below is generated by plot.py at 2018-06-05 14:44:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.80 Mbit/s

95th percentile per-packet one-way delay: 30.616 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 58.70 Mbit/s

95th percentile per-packet one-way delay: 30.529 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 36.02 Mbit/s

95th percentile per-packet one-way delay: 30.646 ms

Loss rate: 0.12%

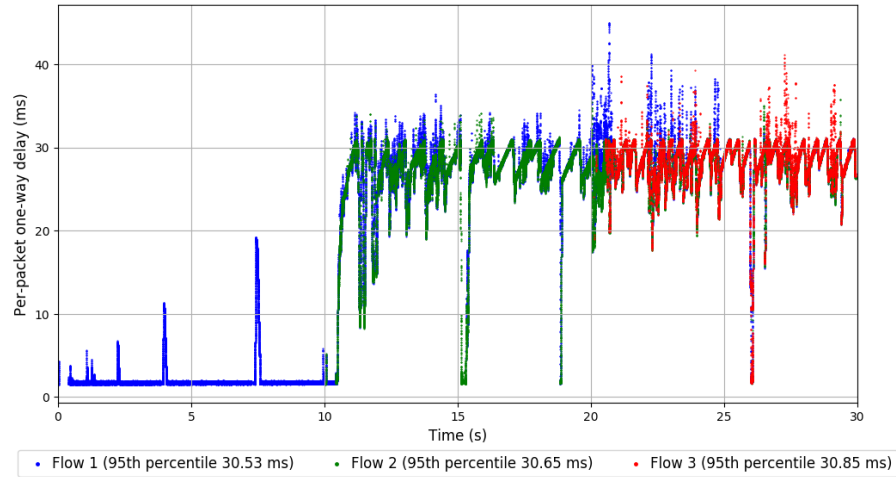
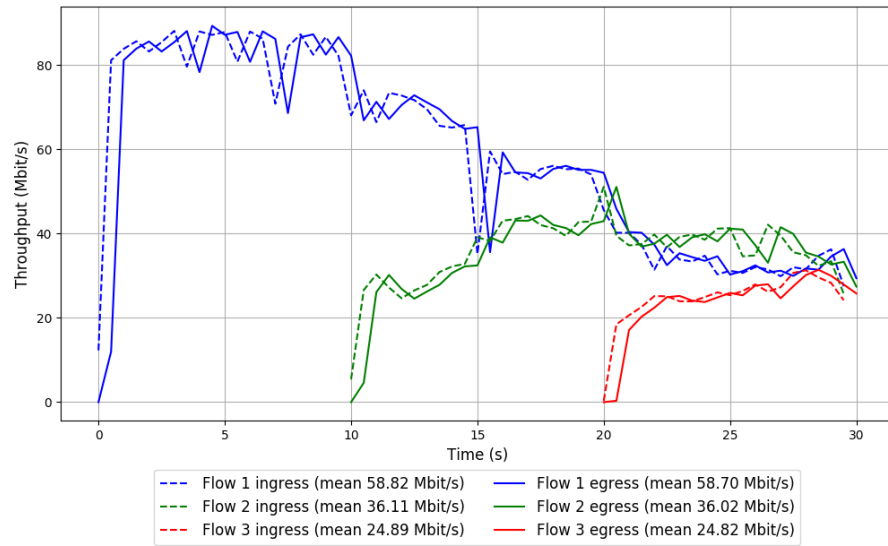
-- Flow 3:

Average throughput: 24.82 Mbit/s

95th percentile per-packet one-way delay: 30.847 ms

Loss rate: 0.23%

Run 10: Report of QUIC Cubic — Data Link

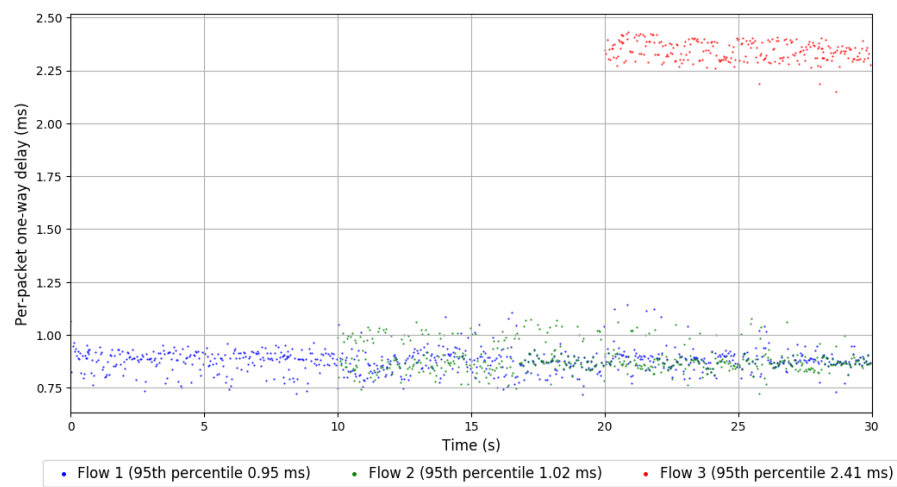
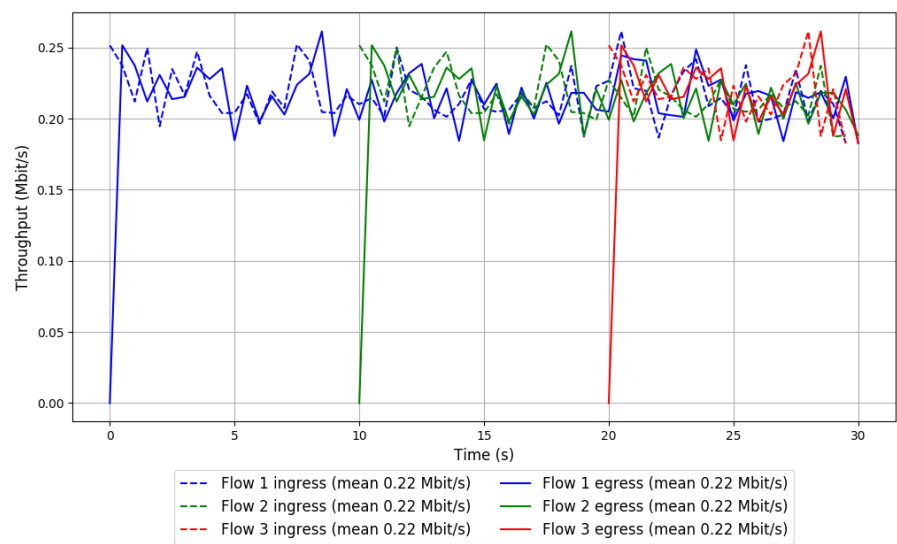


Run 1: Statistics of SReAM

Start at: 2018-06-05 11:39:55
End at: 2018-06-05 11:40:25
Local clock offset: -5.304 ms
Remote clock offset: -6.762 ms

Below is generated by plot.py at 2018-06-05 14:44:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.376 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.949 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.023 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.413 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

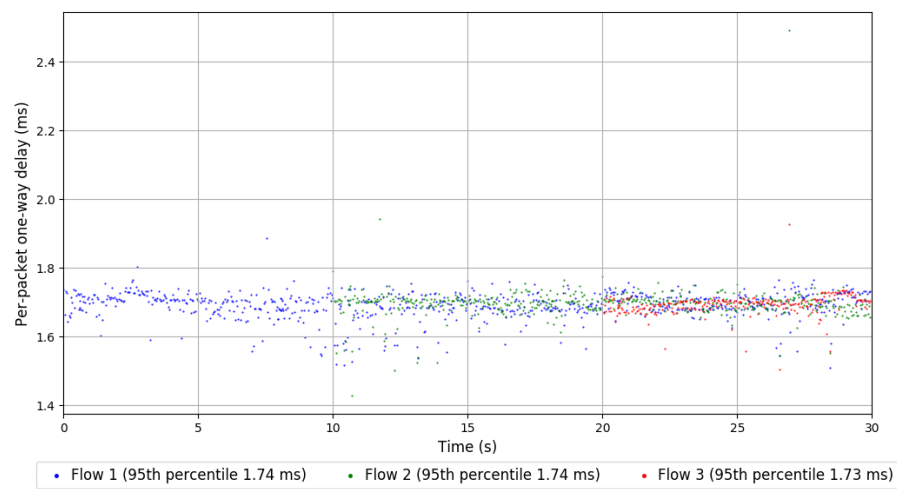
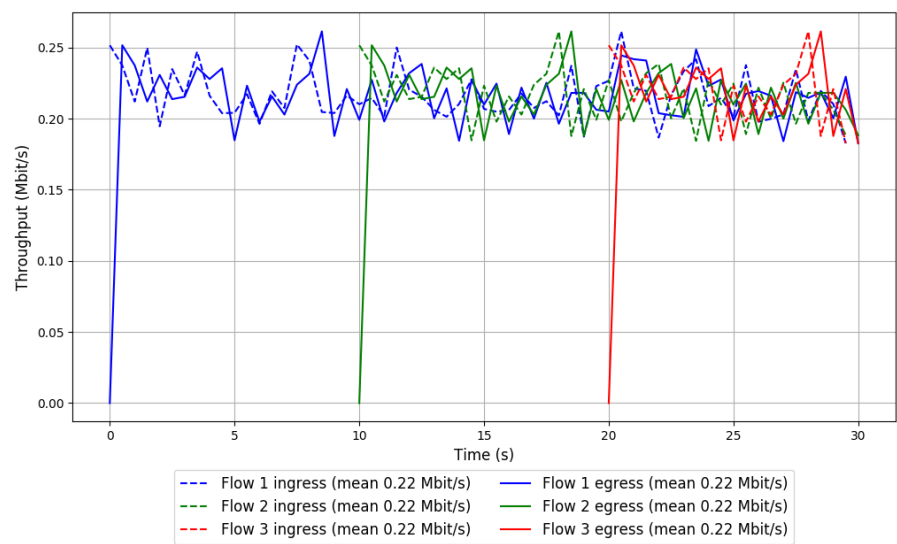


Run 2: Statistics of SReAM

Start at: 2018-06-05 11:57:58
End at: 2018-06-05 11:58:28
Local clock offset: -6.015 ms
Remote clock offset: -6.599 ms

Below is generated by plot.py at 2018-06-05 14:44:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.740 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.735 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.729 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

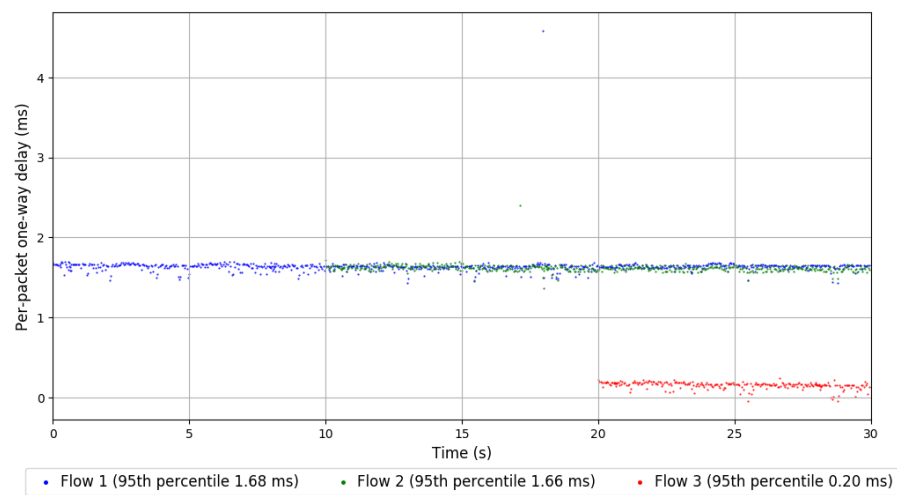
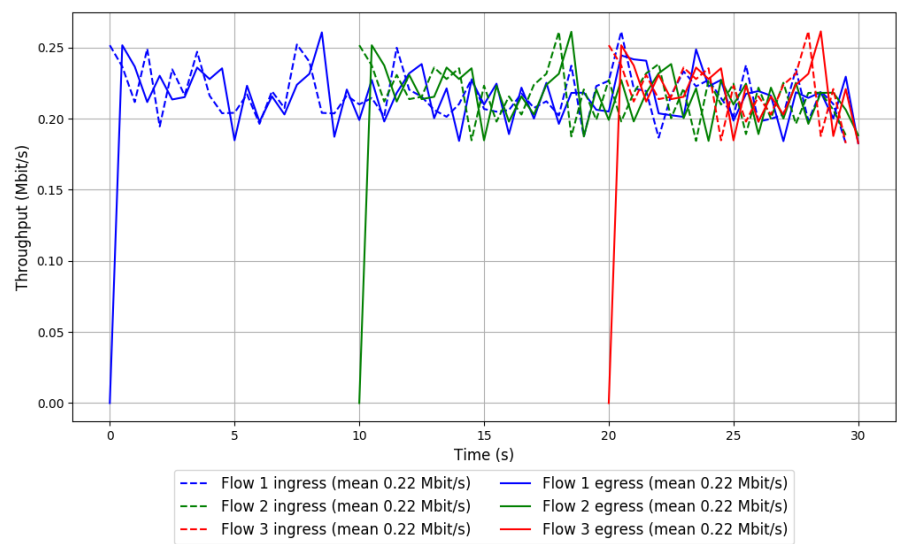


Run 3: Statistics of SReAM

Start at: 2018-06-05 12:16:01
End at: 2018-06-05 12:16:31
Local clock offset: -5.043 ms
Remote clock offset: -6.499 ms

Below is generated by plot.py at 2018-06-05 14:44:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.672 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.678 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.662 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.204 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

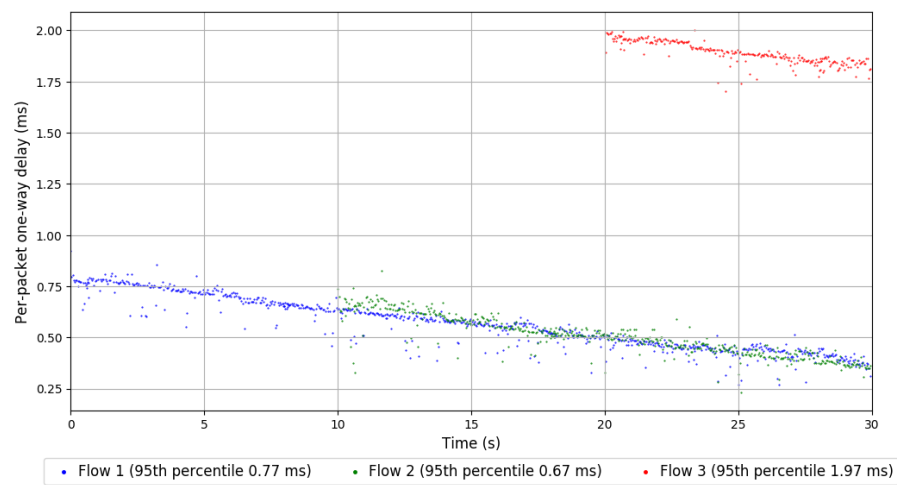
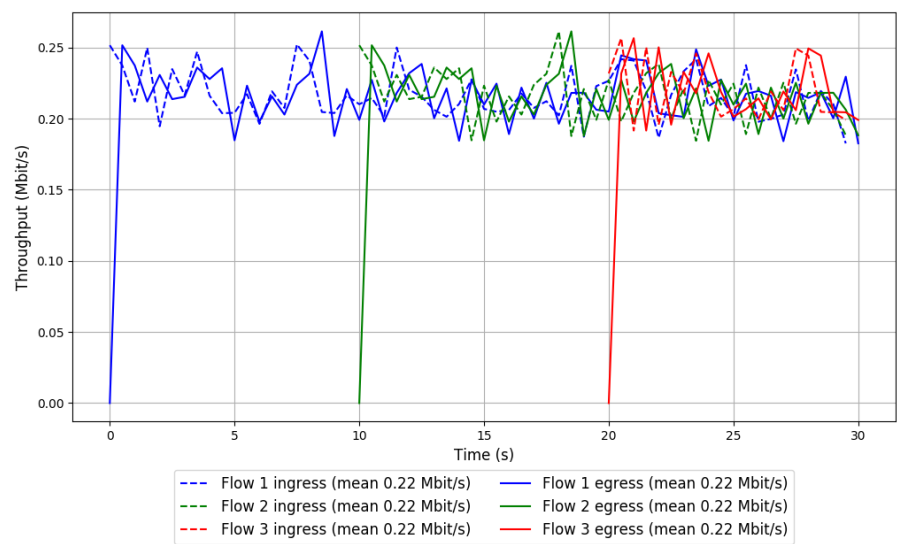


Run 4: Statistics of SReAM

Start at: 2018-06-05 12:34:05
End at: 2018-06-05 12:34:35
Local clock offset: -6.022 ms
Remote clock offset: 0.159 ms

Below is generated by plot.py at 2018-06-05 14:44:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.771 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.667 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.969 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-06-05 12:52:07

End at: 2018-06-05 12:52:37

Local clock offset: -4.811 ms

Remote clock offset: 9.165 ms

Below is generated by plot.py at 2018-06-05 14:44:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 1.589 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.185 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.599 ms

Loss rate: 0.00%

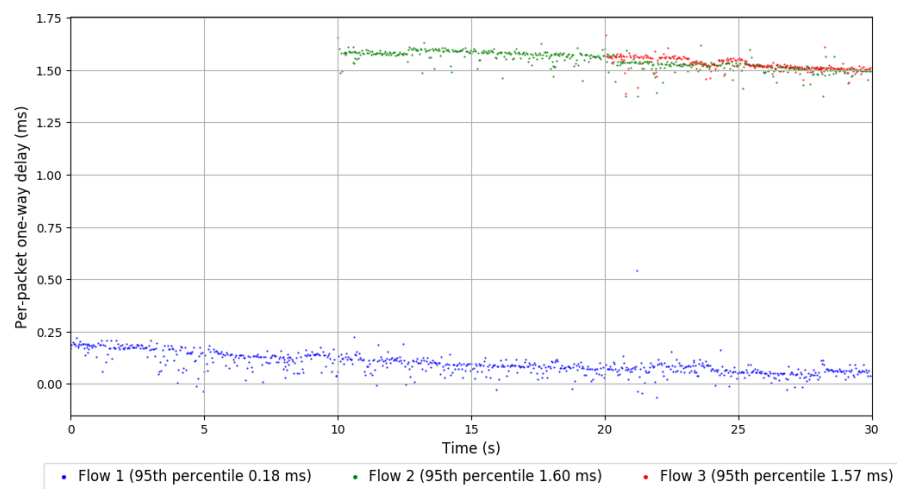
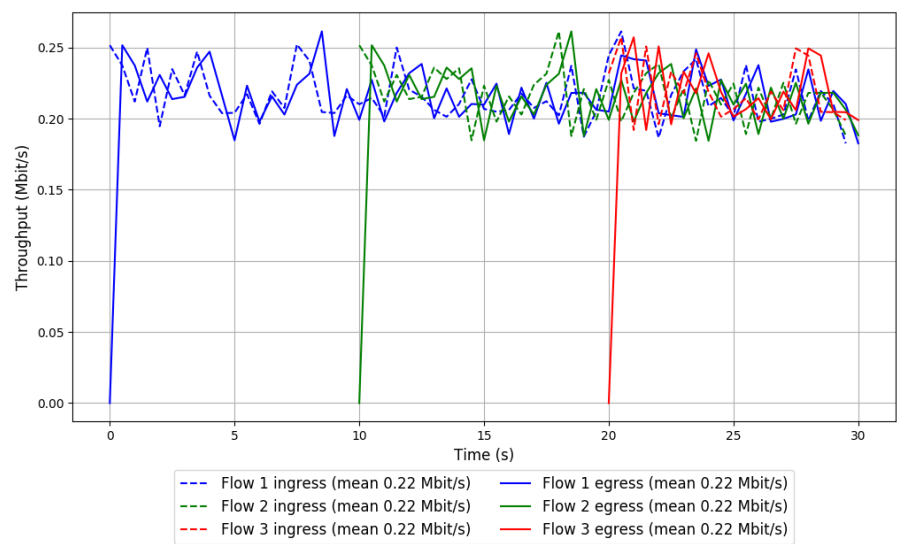
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.568 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

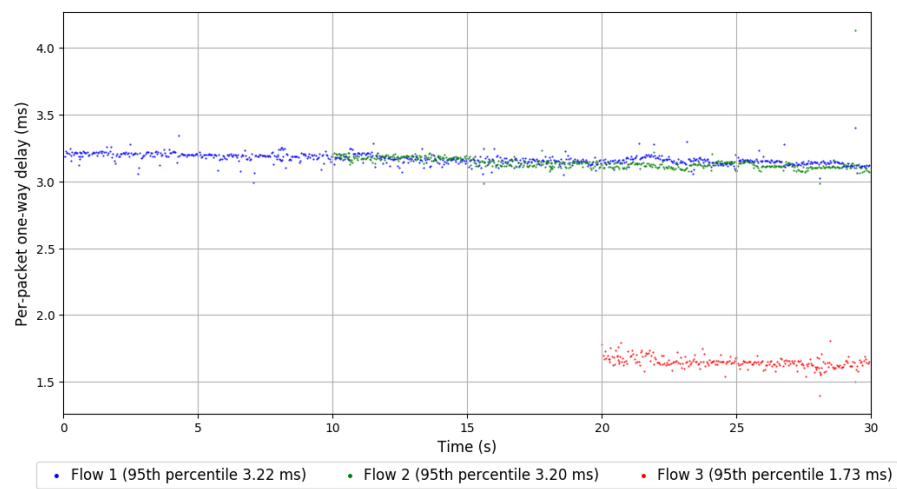
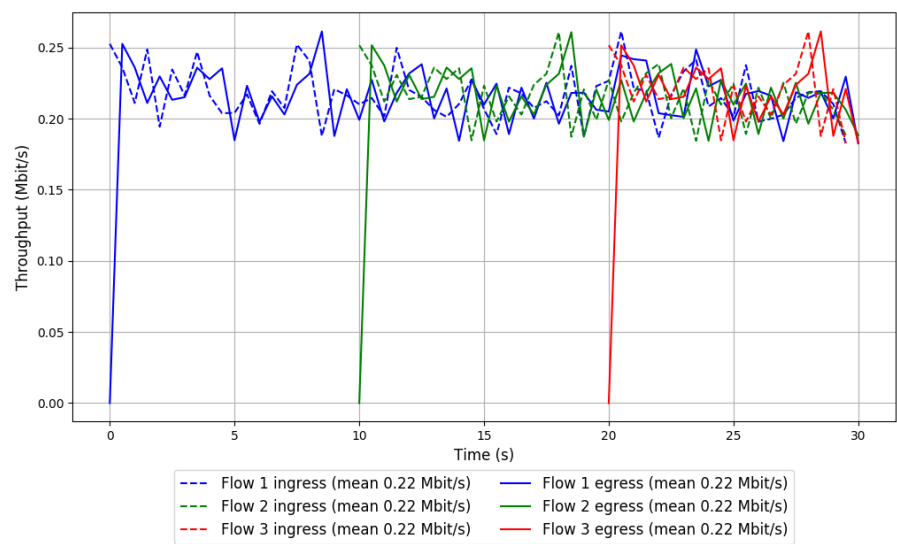


Run 6: Statistics of SReAM

Start at: 2018-06-05 13:10:11
End at: 2018-06-05 13:10:41
Local clock offset: -6.477 ms
Remote clock offset: 13.051 ms

Below is generated by plot.py at 2018-06-05 14:44:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 3.214 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.222 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.197 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.725 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

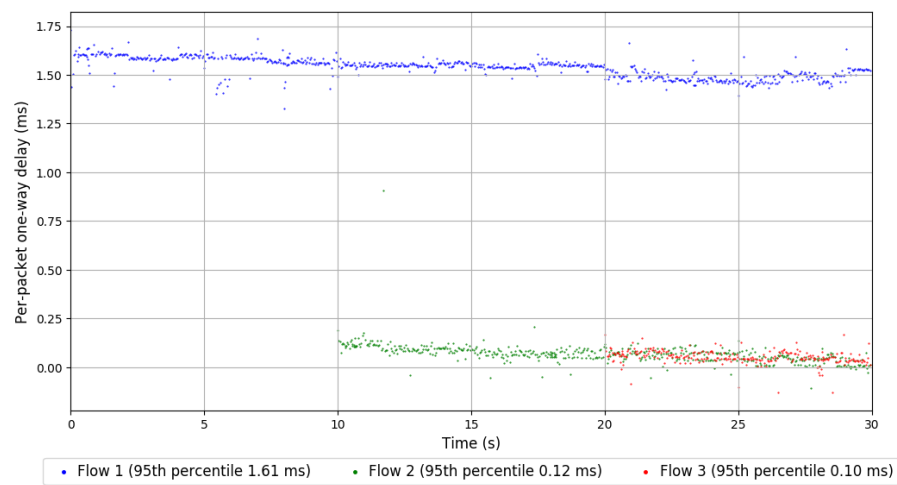
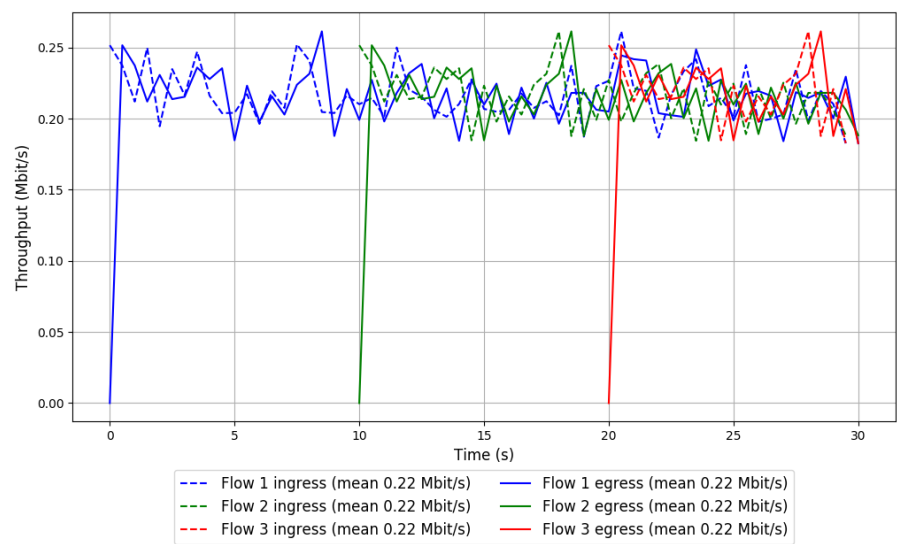


Run 7: Statistics of SReAM

Start at: 2018-06-05 13:28:14
End at: 2018-06-05 13:28:44
Local clock offset: -5.082 ms
Remote clock offset: 16.198 ms

Below is generated by plot.py at 2018-06-05 14:44:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.601 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.607 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.121 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.097 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

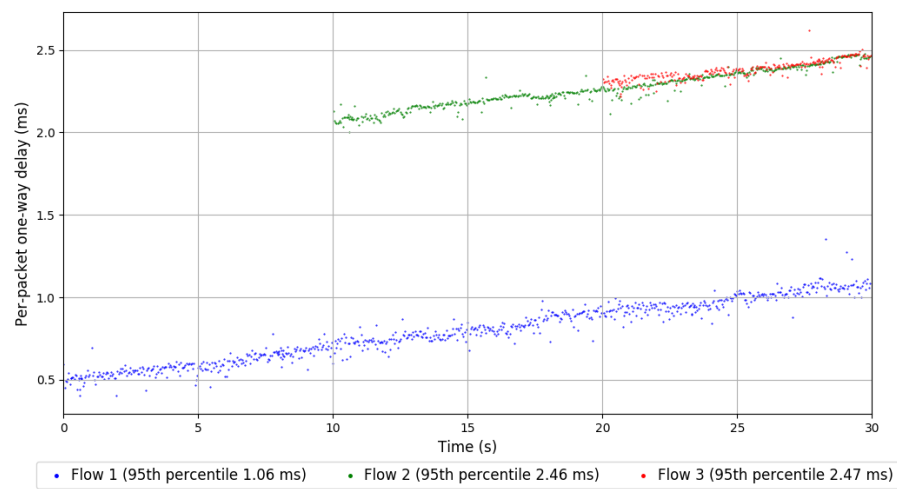
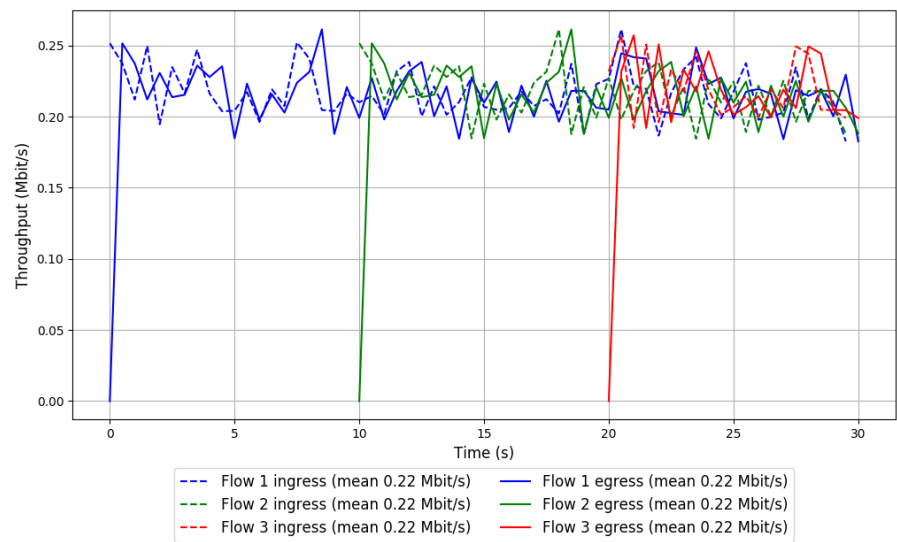


Run 8: Statistics of SReAM

Start at: 2018-06-05 13:46:15
End at: 2018-06-05 13:46:45
Local clock offset: -5.12 ms
Remote clock offset: -0.853 ms

Below is generated by plot.py at 2018-06-05 14:44:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.433 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.061 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.455 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.468 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

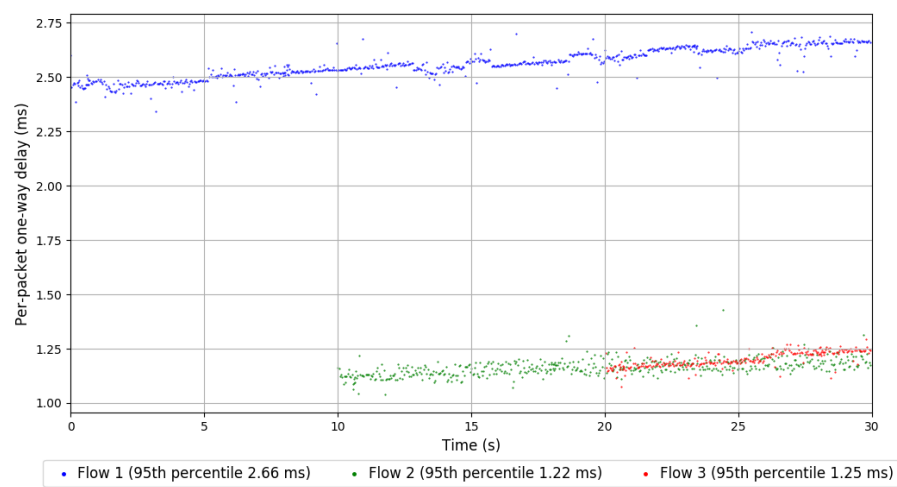
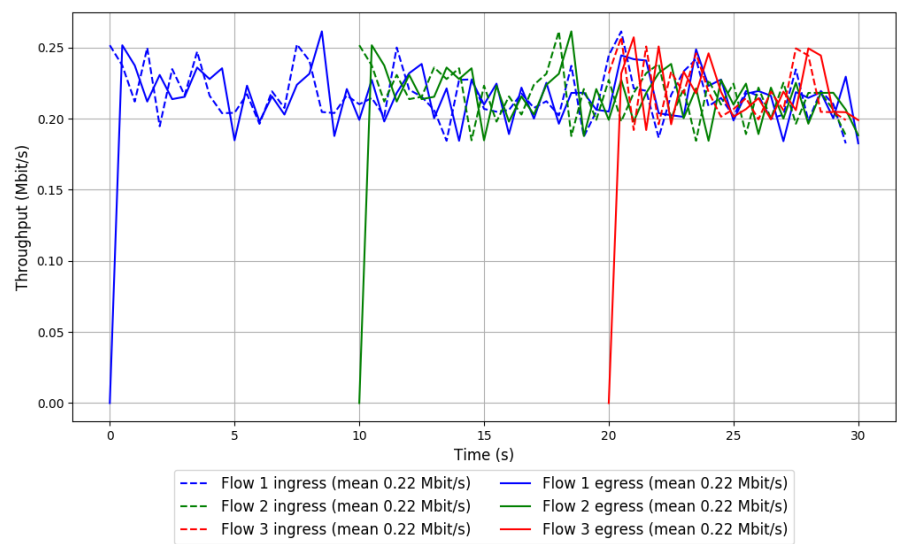


Run 9: Statistics of SReAM

Start at: 2018-06-05 14:04:17
End at: 2018-06-05 14:04:47
Local clock offset: -5.894 ms
Remote clock offset: -13.085 ms

Below is generated by plot.py at 2018-06-05 14:44:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.656 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.663 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.251 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

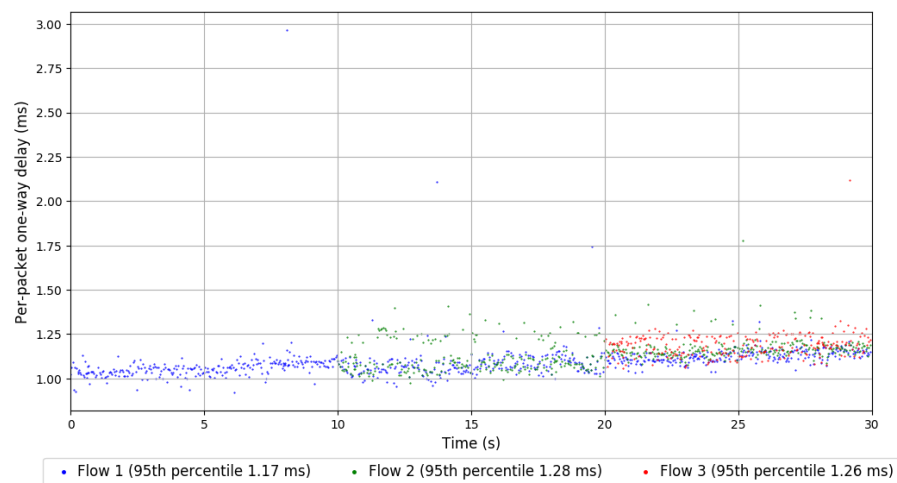
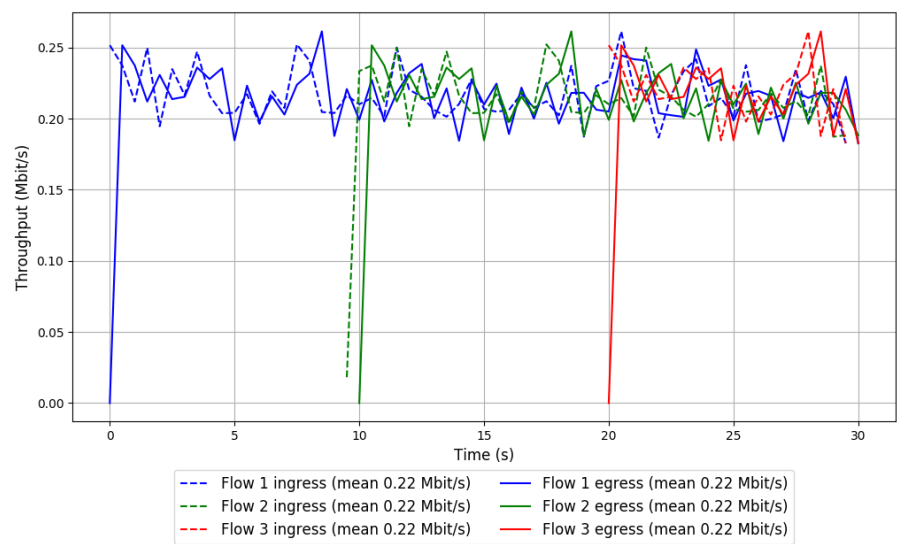


Run 10: Statistics of SReAM

Start at: 2018-06-05 14:22:20
End at: 2018-06-05 14:22:50
Local clock offset: -5.793 ms
Remote clock offset: -18.884 ms

Below is generated by plot.py at 2018-06-05 14:44:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.168 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.282 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.261 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

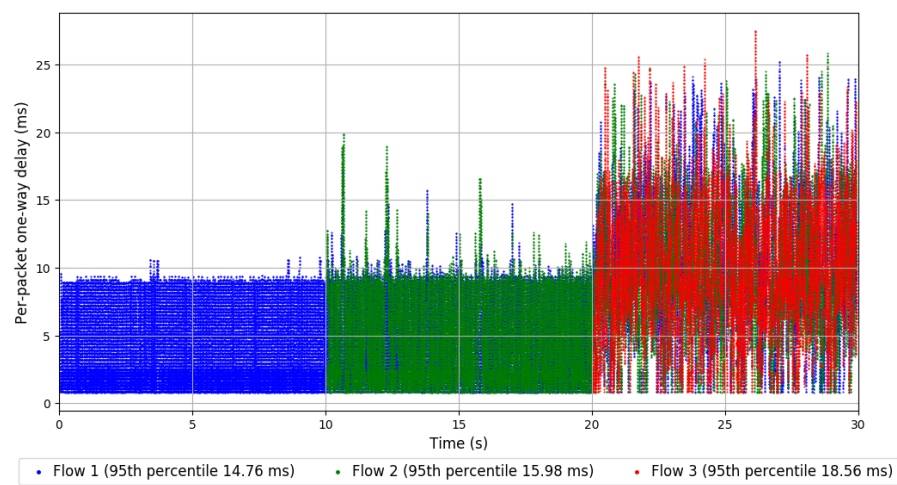
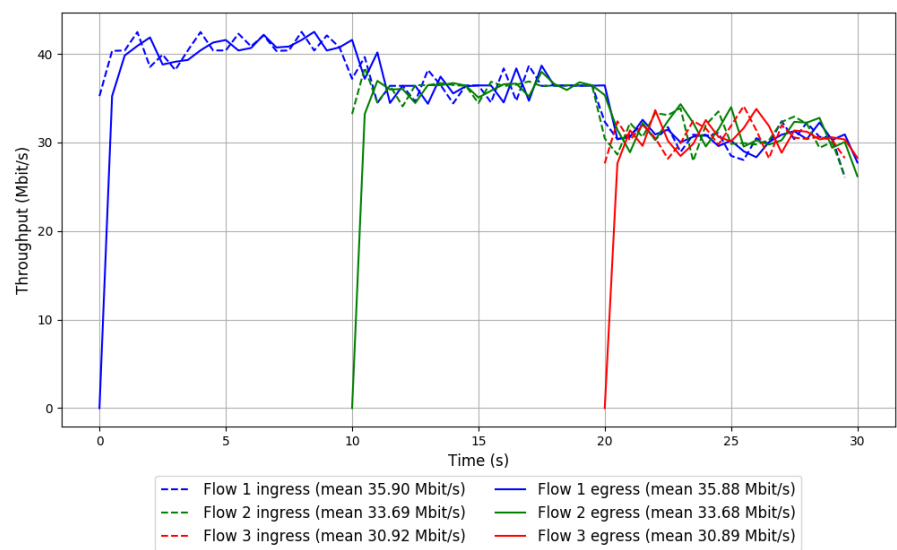


Run 1: Statistics of Sprout

Start at: 2018-06-05 11:30:50
End at: 2018-06-05 11:31:20
Local clock offset: -5.301 ms
Remote clock offset: -6.911 ms

Below is generated by plot.py at 2018-06-05 14:44:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.49 Mbit/s
95th percentile per-packet one-way delay: 15.961 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.88 Mbit/s
95th percentile per-packet one-way delay: 14.759 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.68 Mbit/s
95th percentile per-packet one-way delay: 15.980 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.89 Mbit/s
95th percentile per-packet one-way delay: 18.563 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

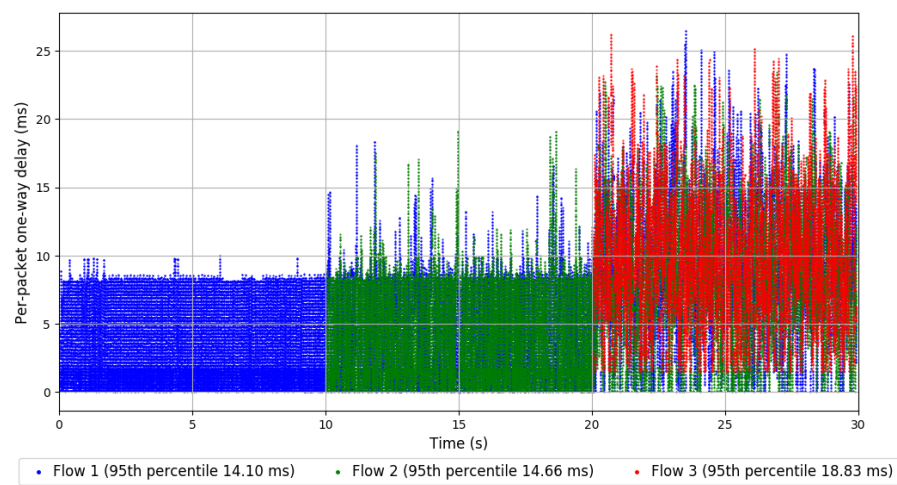
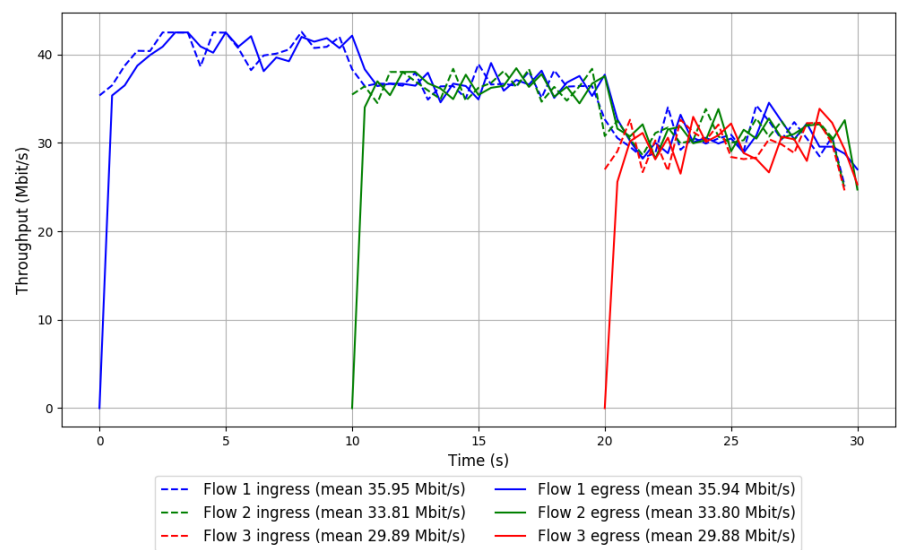


Run 2: Statistics of Sprout

Start at: 2018-06-05 11:48:54
End at: 2018-06-05 11:49:24
Local clock offset: -4.54 ms
Remote clock offset: -6.633 ms

Below is generated by plot.py at 2018-06-05 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.31 Mbit/s
95th percentile per-packet one-way delay: 15.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.94 Mbit/s
95th percentile per-packet one-way delay: 14.099 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.80 Mbit/s
95th percentile per-packet one-way delay: 14.661 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.88 Mbit/s
95th percentile per-packet one-way delay: 18.826 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

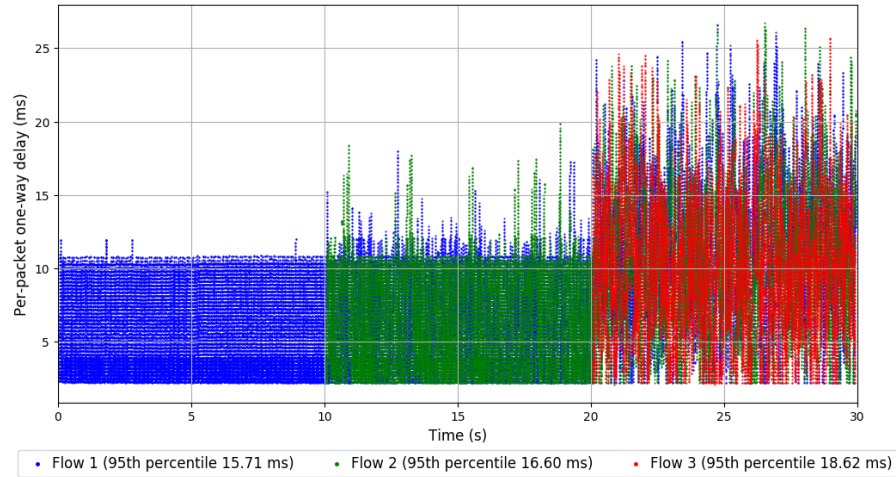
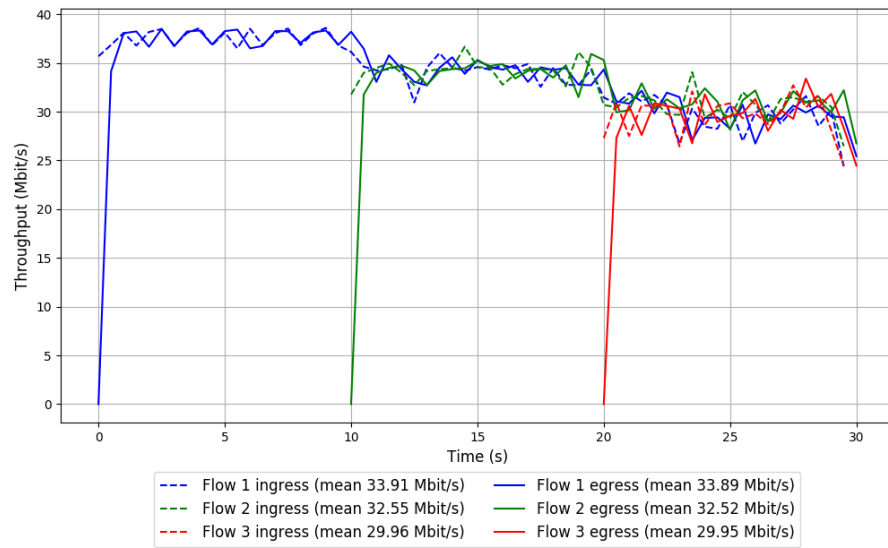


Run 3: Statistics of Sprout

Start at: 2018-06-05 12:06:57
End at: 2018-06-05 12:07:27
Local clock offset: -5.425 ms
Remote clock offset: -6.567 ms

```
# Below is generated by plot.py at 2018-06-05 14:44:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.41 Mbit/s
95th percentile per-packet one-way delay: 16.665 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.89 Mbit/s
95th percentile per-packet one-way delay: 15.714 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.52 Mbit/s
95th percentile per-packet one-way delay: 16.604 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 18.620 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

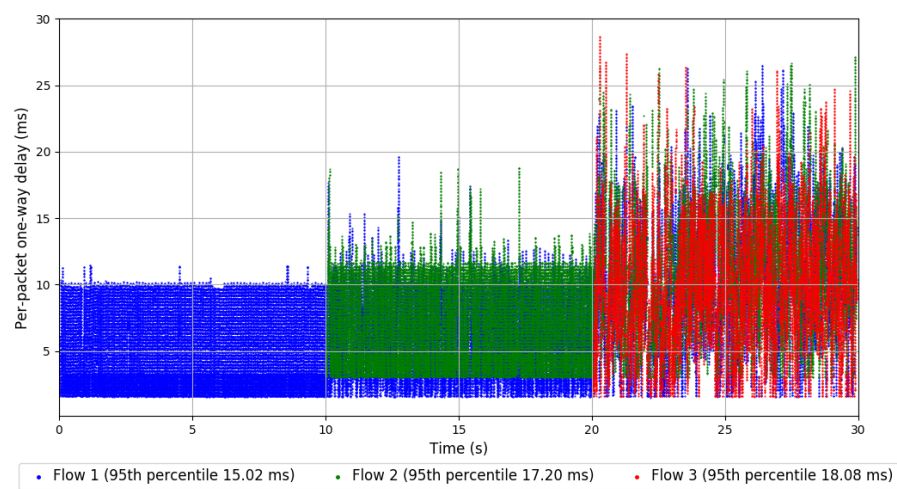
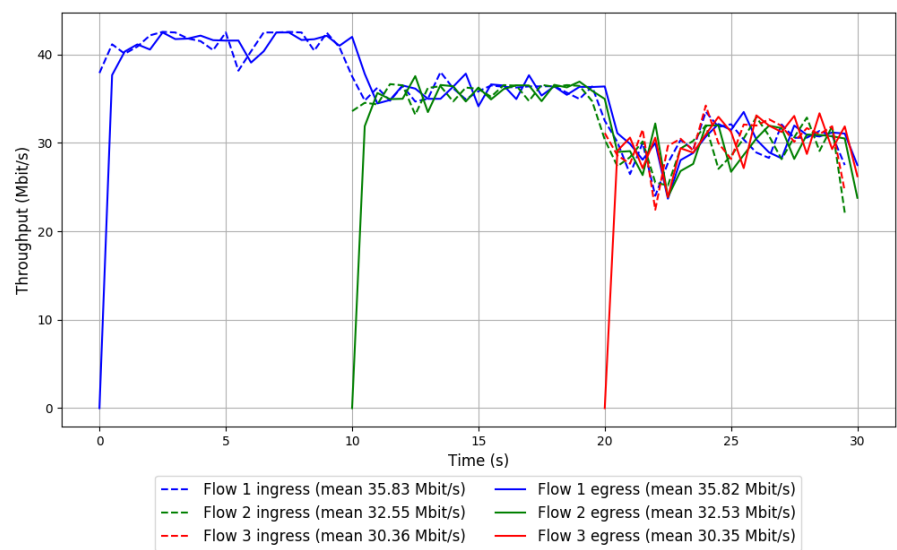


Run 4: Statistics of Sprout

Start at: 2018-06-05 12:25:00
End at: 2018-06-05 12:25:30
Local clock offset: -6.777 ms
Remote clock offset: -6.48 ms

Below is generated by plot.py at 2018-06-05 14:44:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.49 Mbit/s
95th percentile per-packet one-way delay: 16.421 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.82 Mbit/s
95th percentile per-packet one-way delay: 15.016 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.53 Mbit/s
95th percentile per-packet one-way delay: 17.197 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.35 Mbit/s
95th percentile per-packet one-way delay: 18.080 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

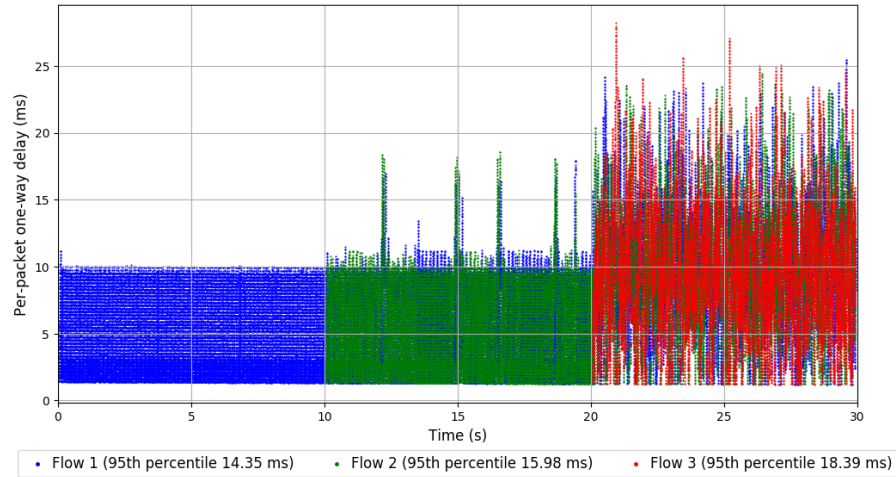
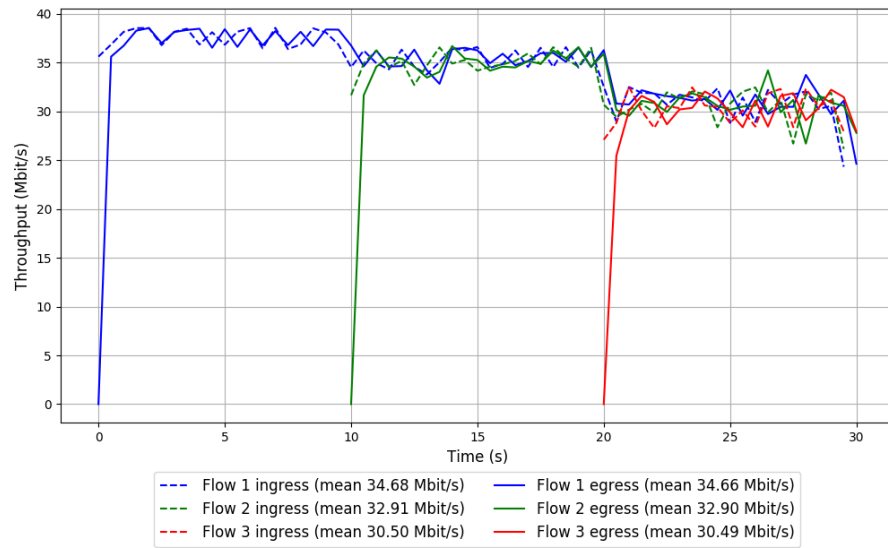


Run 5: Statistics of Sprout

Start at: 2018-06-05 12:43:03
End at: 2018-06-05 12:43:33
Local clock offset: -4.952 ms
Remote clock offset: 5.995 ms

Below is generated by plot.py at 2018-06-05 14:44:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.62 Mbit/s
95th percentile per-packet one-way delay: 15.790 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.66 Mbit/s
95th percentile per-packet one-way delay: 14.351 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.90 Mbit/s
95th percentile per-packet one-way delay: 15.976 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.49 Mbit/s
95th percentile per-packet one-way delay: 18.393 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

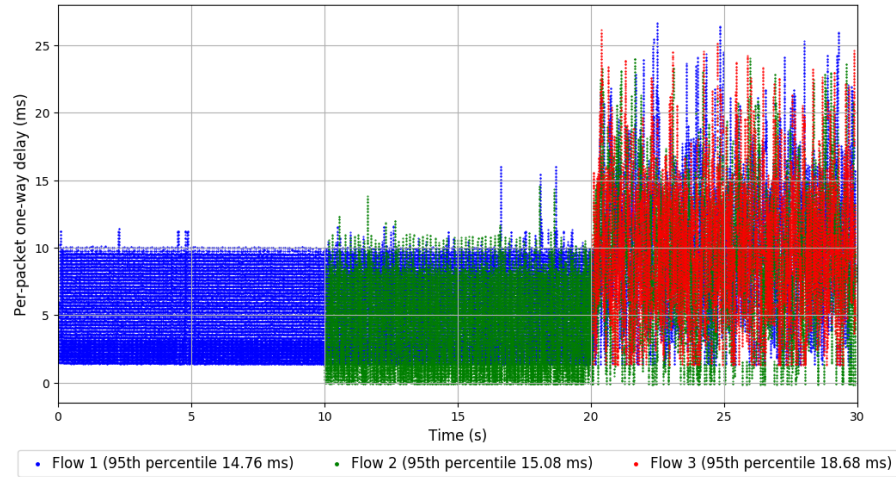
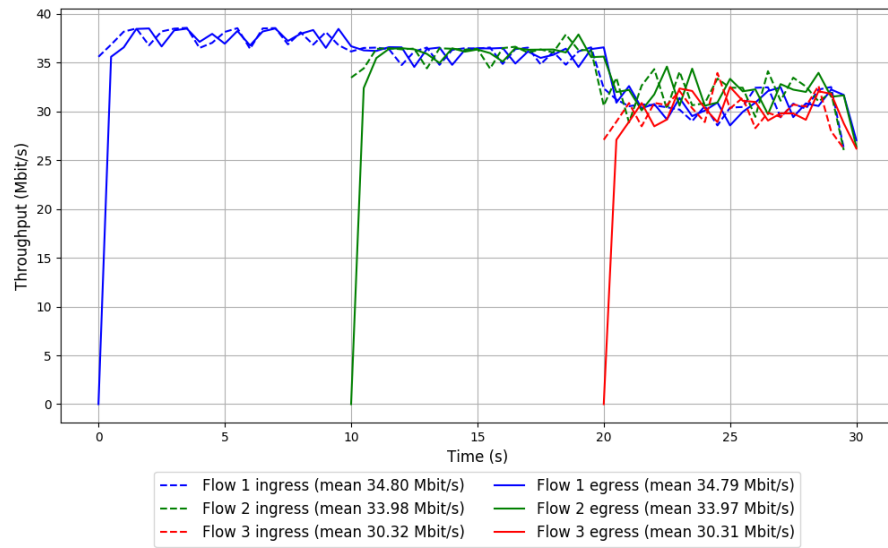


Run 6: Statistics of Sprout

Start at: 2018-06-05 13:01:06
End at: 2018-06-05 13:01:36
Local clock offset: -4.759 ms
Remote clock offset: 11.188 ms

Below is generated by plot.py at 2018-06-05 14:44:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.40 Mbit/s
95th percentile per-packet one-way delay: 15.718 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.79 Mbit/s
95th percentile per-packet one-way delay: 14.756 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.97 Mbit/s
95th percentile per-packet one-way delay: 15.083 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.31 Mbit/s
95th percentile per-packet one-way delay: 18.684 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

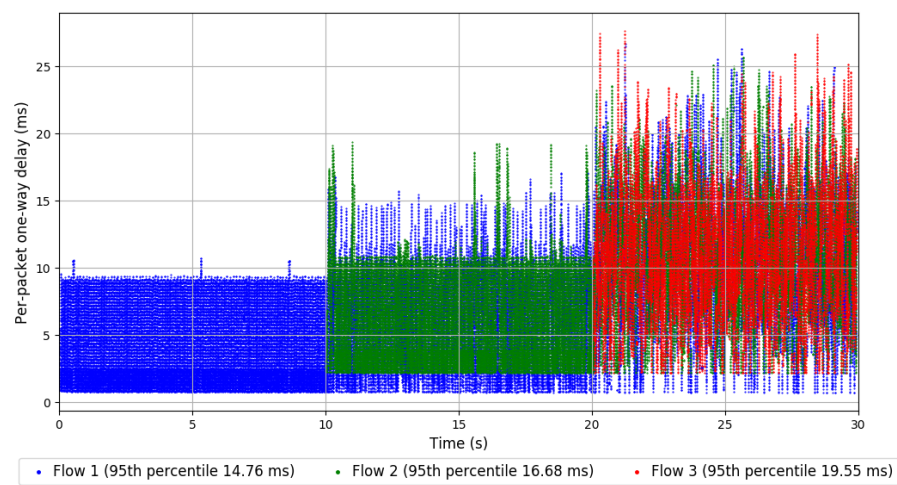
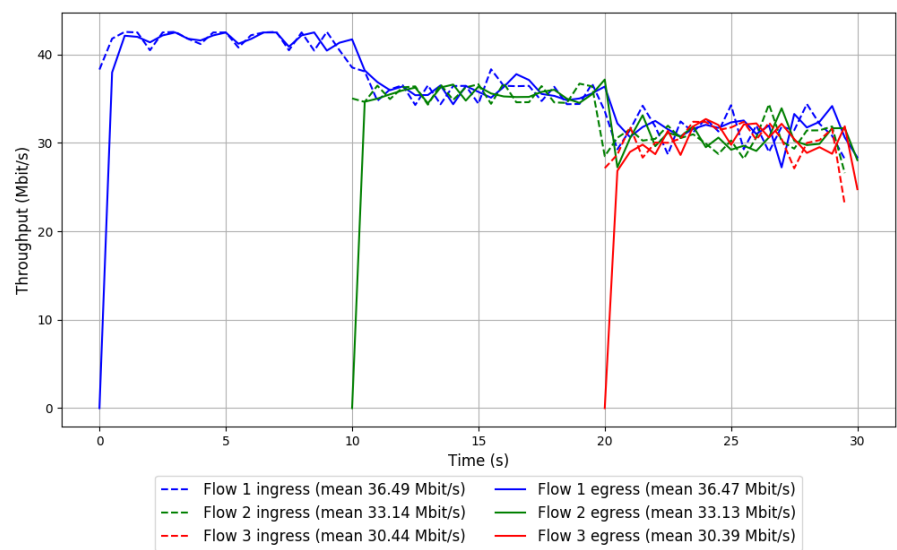


Run 7: Statistics of Sprout

Start at: 2018-06-05 13:19:09
End at: 2018-06-05 13:19:39
Local clock offset: -5.81 ms
Remote clock offset: 14.653 ms

Below is generated by plot.py at 2018-06-05 14:44:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.56 Mbit/s
95th percentile per-packet one-way delay: 16.514 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 14.755 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.13 Mbit/s
95th percentile per-packet one-way delay: 16.685 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.39 Mbit/s
95th percentile per-packet one-way delay: 19.554 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

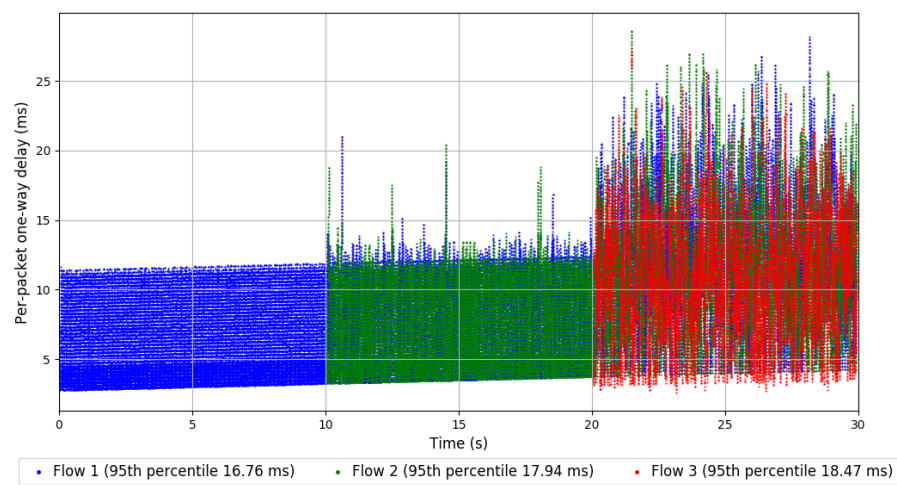
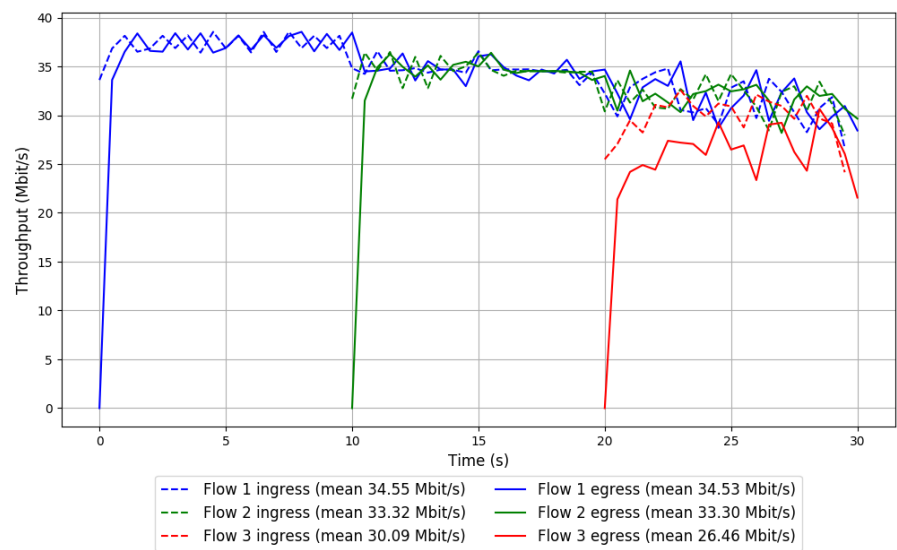


Run 8: Statistics of Sprout

Start at: 2018-06-05 13:37:12
End at: 2018-06-05 13:37:42
Local clock offset: -5.946 ms
Remote clock offset: 17.136 ms

Below is generated by plot.py at 2018-06-05 14:44:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.45 Mbit/s
95th percentile per-packet one-way delay: 17.531 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 34.53 Mbit/s
95th percentile per-packet one-way delay: 16.759 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.30 Mbit/s
95th percentile per-packet one-way delay: 17.940 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.46 Mbit/s
95th percentile per-packet one-way delay: 18.467 ms
Loss rate: 11.95%

Run 8: Report of Sprout — Data Link

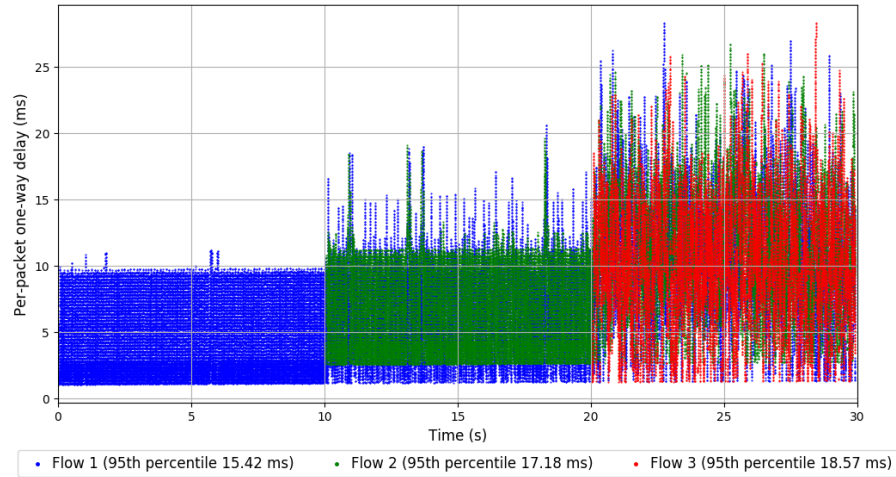
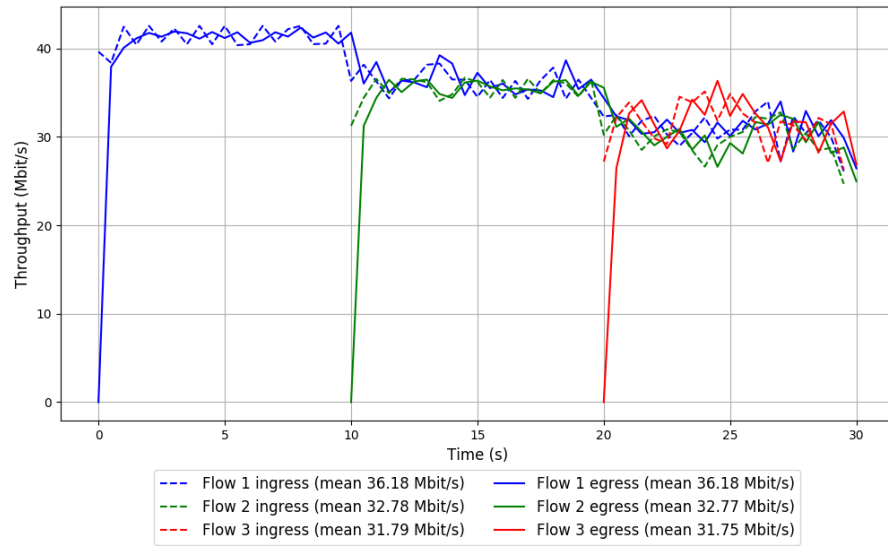


Run 9: Statistics of Sprout

Start at: 2018-06-05 13:55:13
End at: 2018-06-05 13:55:43
Local clock offset: -5.954 ms
Remote clock offset: -8.651 ms

Below is generated by plot.py at 2018-06-05 14:45:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.48 Mbit/s
95th percentile per-packet one-way delay: 16.737 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.18 Mbit/s
95th percentile per-packet one-way delay: 15.420 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.77 Mbit/s
95th percentile per-packet one-way delay: 17.176 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.75 Mbit/s
95th percentile per-packet one-way delay: 18.575 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

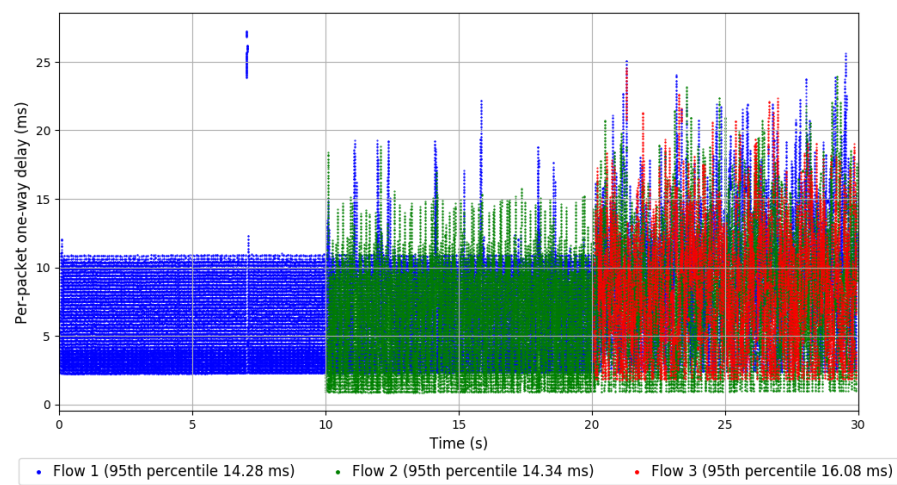
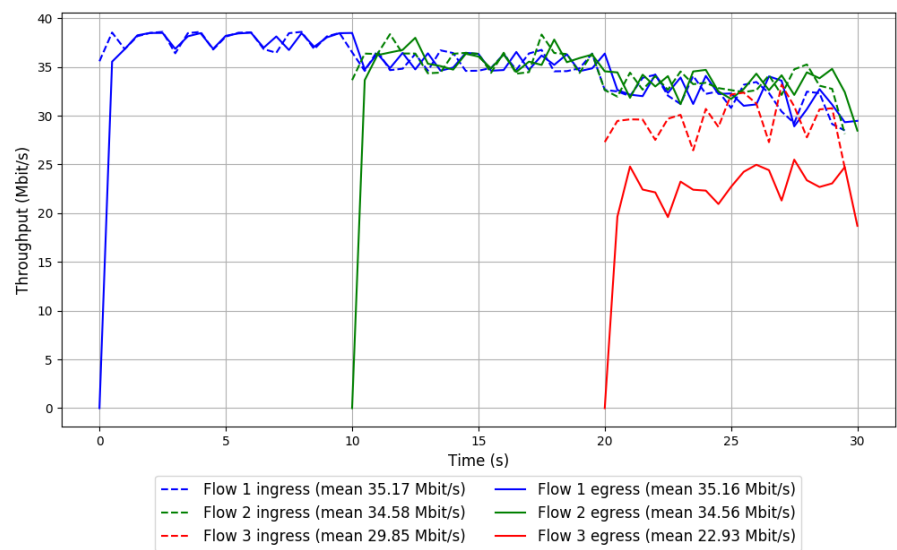


Run 10: Statistics of Sprout

Start at: 2018-06-05 14:13:17
End at: 2018-06-05 14:13:47
Local clock offset: -5.836 ms
Remote clock offset: -16.249 ms

Below is generated by plot.py at 2018-06-05 14:45:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.72 Mbit/s
95th percentile per-packet one-way delay: 14.636 ms
Loss rate: 3.37%
-- Flow 1:
Average throughput: 35.16 Mbit/s
95th percentile per-packet one-way delay: 14.280 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.56 Mbit/s
95th percentile per-packet one-way delay: 14.341 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.93 Mbit/s
95th percentile per-packet one-way delay: 16.078 ms
Loss rate: 23.24%

Run 10: Report of Sprout — Data Link

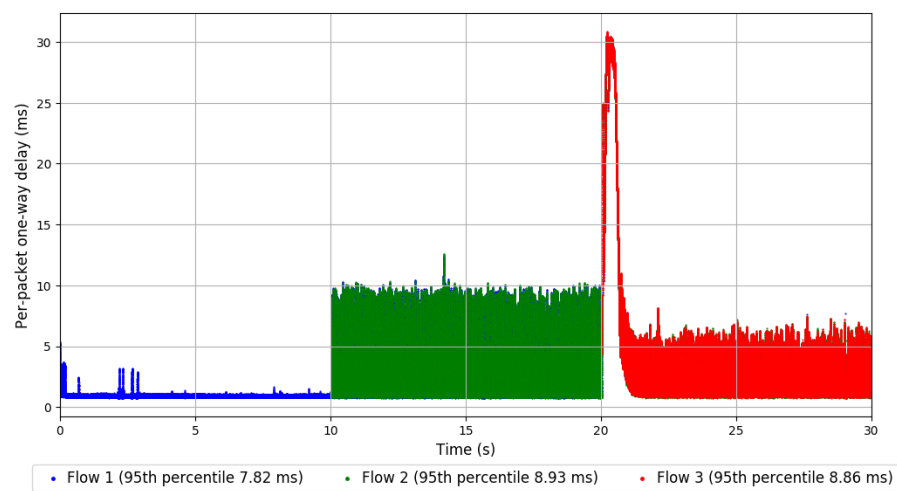
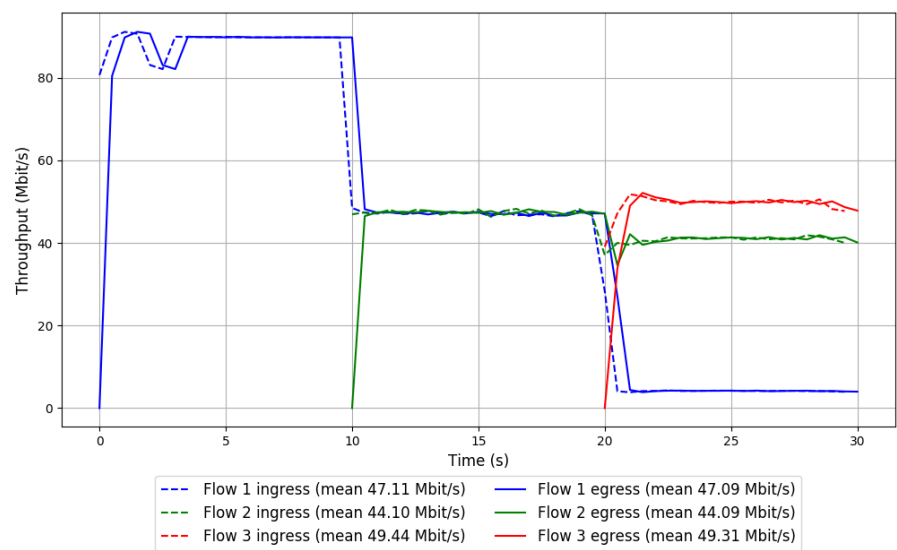


Run 1: Statistics of TaoVA-100x

Start at: 2018-06-05 11:35:19
End at: 2018-06-05 11:35:49
Local clock offset: -5.275 ms
Remote clock offset: -6.822 ms

Below is generated by plot.py at 2018-06-05 14:46:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 8.374 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 47.09 Mbit/s
95th percentile per-packet one-way delay: 7.817 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 44.09 Mbit/s
95th percentile per-packet one-way delay: 8.928 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 49.31 Mbit/s
95th percentile per-packet one-way delay: 8.861 ms
Loss rate: 0.30%

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

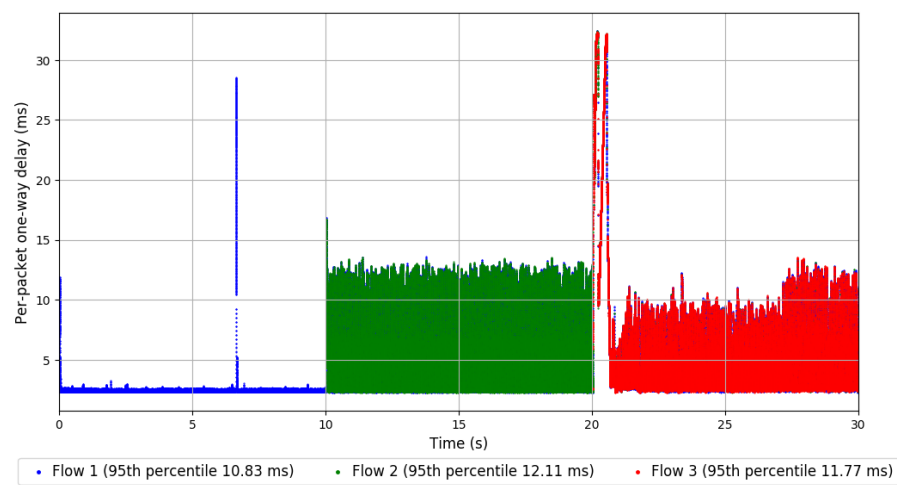
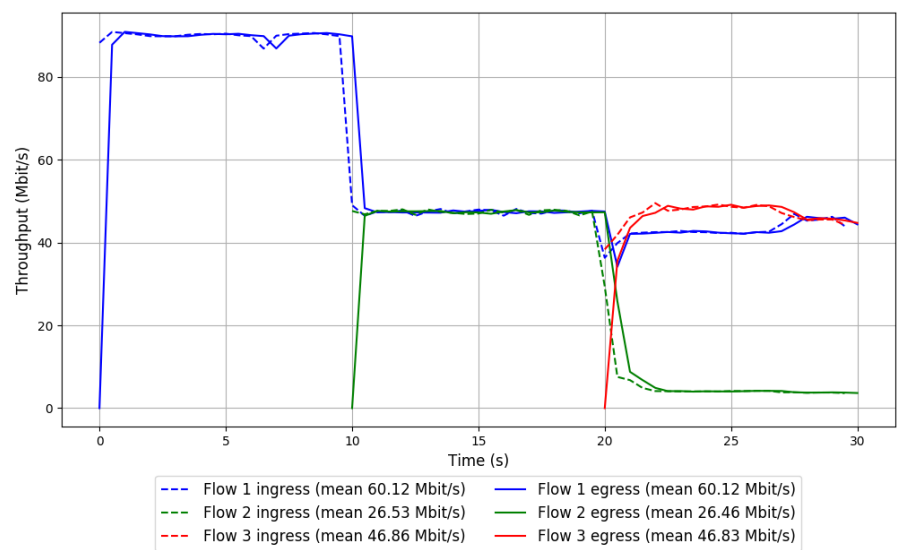


Run 2: Statistics of TaoVA-100x

Start at: 2018-06-05 11:53:22
End at: 2018-06-05 11:53:52
Local clock offset: -5.294 ms
Remote clock offset: -6.588 ms

Below is generated by plot.py at 2018-06-05 14:46:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.31 Mbit/s
95th percentile per-packet one-way delay: 11.421 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 60.12 Mbit/s
95th percentile per-packet one-way delay: 10.828 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 26.46 Mbit/s
95th percentile per-packet one-way delay: 12.106 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 46.83 Mbit/s
95th percentile per-packet one-way delay: 11.774 ms
Loss rate: 0.06%

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

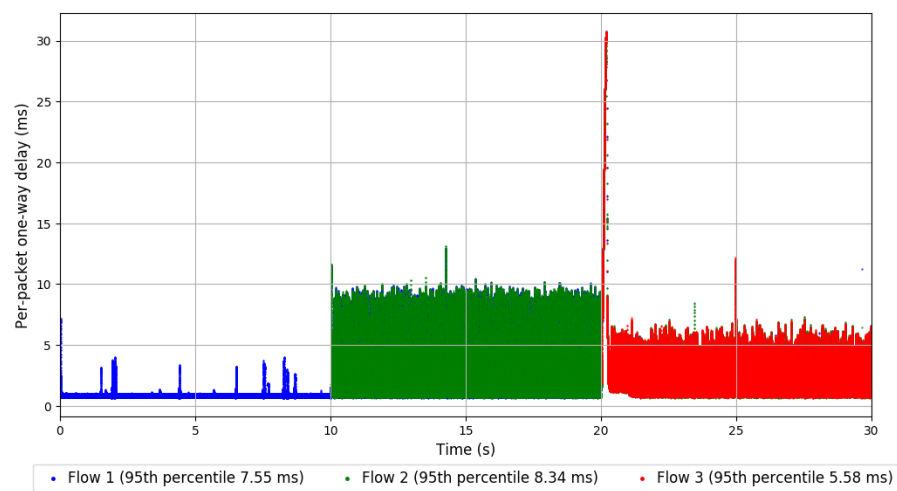
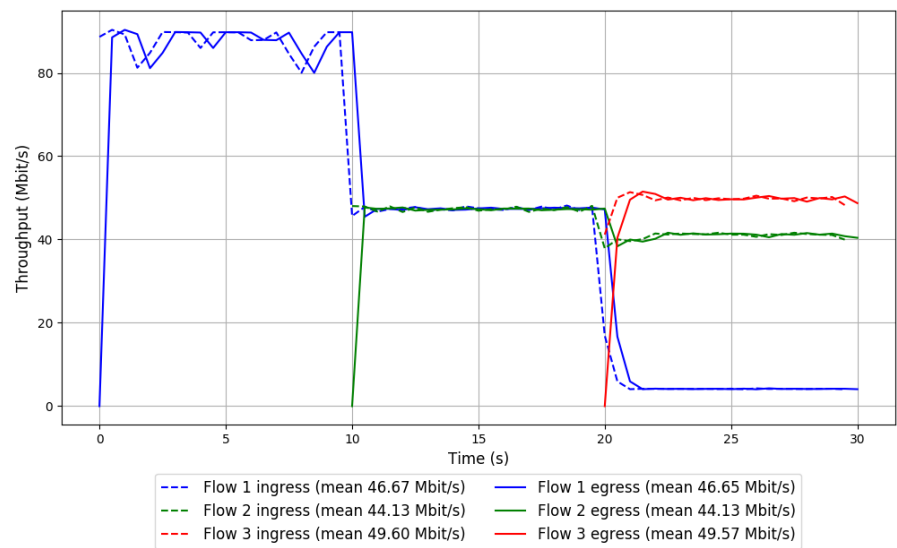


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-05 12:11:25
End at: 2018-06-05 12:11:55
Local clock offset: -5.658 ms
Remote clock offset: -6.639 ms

Below is generated by plot.py at 2018-06-05 14:46:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.51 Mbit/s
95th percentile per-packet one-way delay: 7.688 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 46.65 Mbit/s
95th percentile per-packet one-way delay: 7.549 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 44.13 Mbit/s
95th percentile per-packet one-way delay: 8.344 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 49.57 Mbit/s
95th percentile per-packet one-way delay: 5.582 ms
Loss rate: 0.06%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-06-05 12:29:29

End at: 2018-06-05 12:29:59

Local clock offset: -5.987 ms

Remote clock offset: -5.37 ms

Below is generated by plot.py at 2018-06-05 14:46:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.92 Mbit/s

95th percentile per-packet one-way delay: 10.182 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 60.62 Mbit/s

95th percentile per-packet one-way delay: 9.370 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 26.60 Mbit/s

95th percentile per-packet one-way delay: 11.309 ms

Loss rate: 0.22%

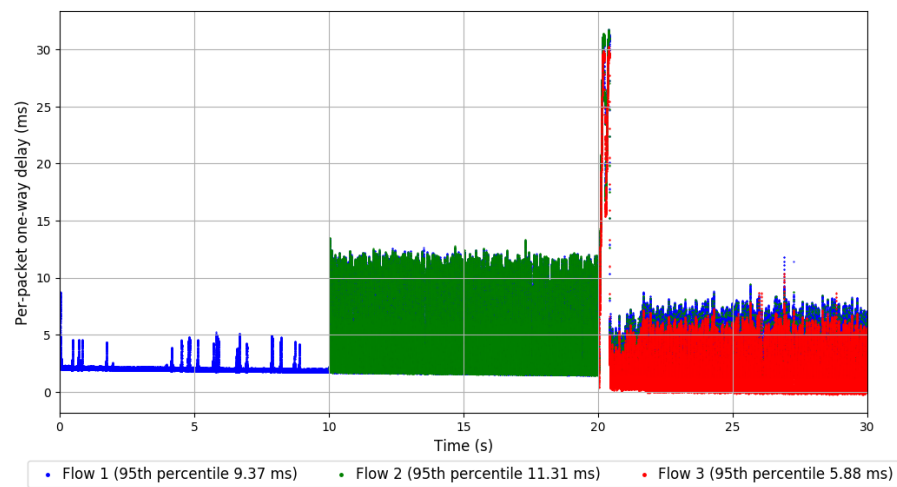
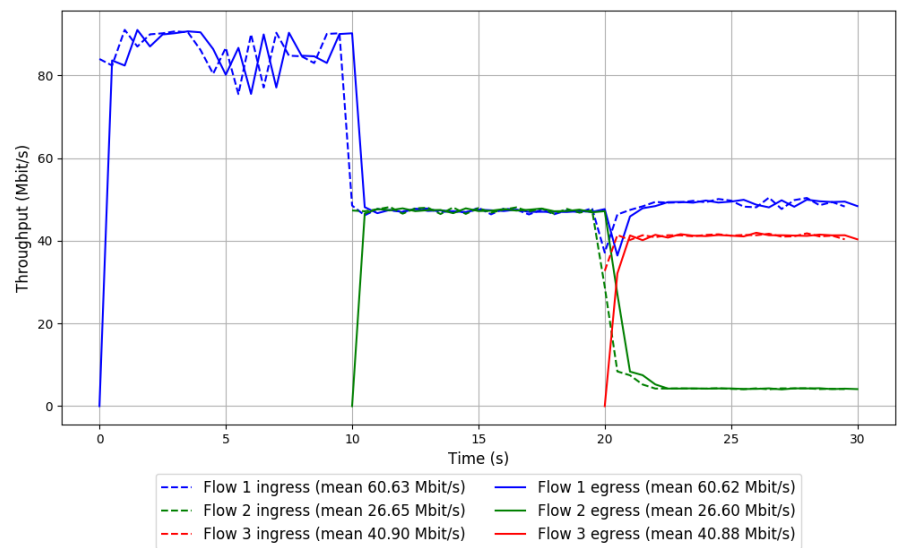
-- Flow 3:

Average throughput: 40.88 Mbit/s

95th percentile per-packet one-way delay: 5.880 ms

Loss rate: 0.06%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-05 12:47:32

End at: 2018-06-05 12:48:02

Local clock offset: -5.641 ms

Remote clock offset: 7.772 ms

Below is generated by plot.py at 2018-06-05 14:47:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.31 Mbit/s

95th percentile per-packet one-way delay: 7.936 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 59.21 Mbit/s

95th percentile per-packet one-way delay: 7.123 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 26.10 Mbit/s

95th percentile per-packet one-way delay: 8.866 ms

Loss rate: 0.02%

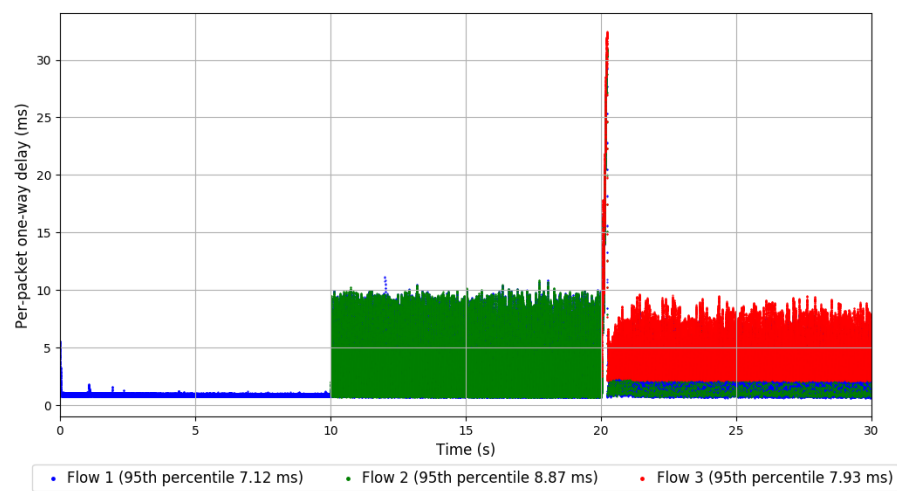
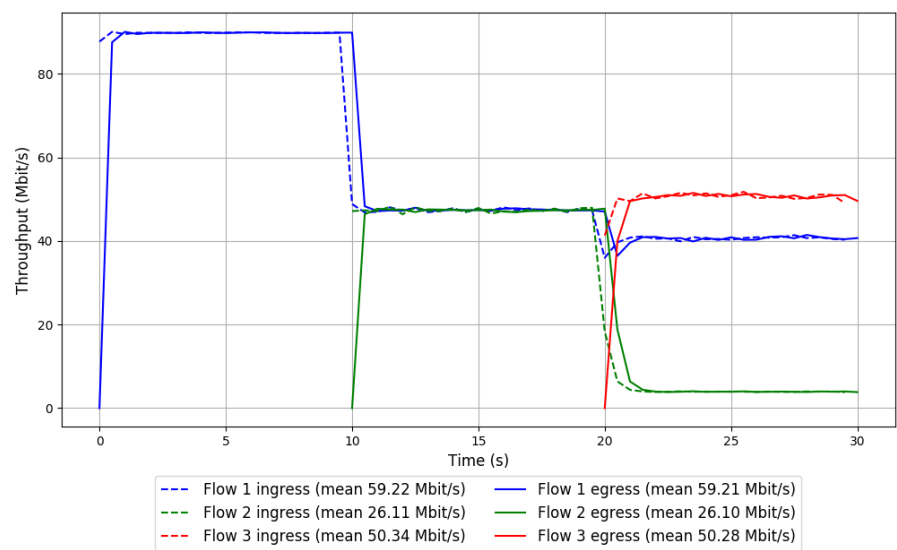
-- Flow 3:

Average throughput: 50.28 Mbit/s

95th percentile per-packet one-way delay: 7.931 ms

Loss rate: 0.11%

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

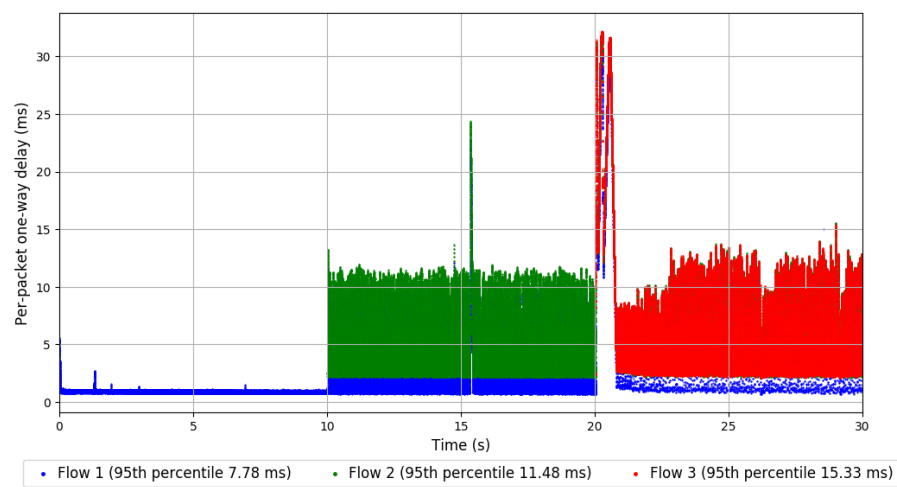
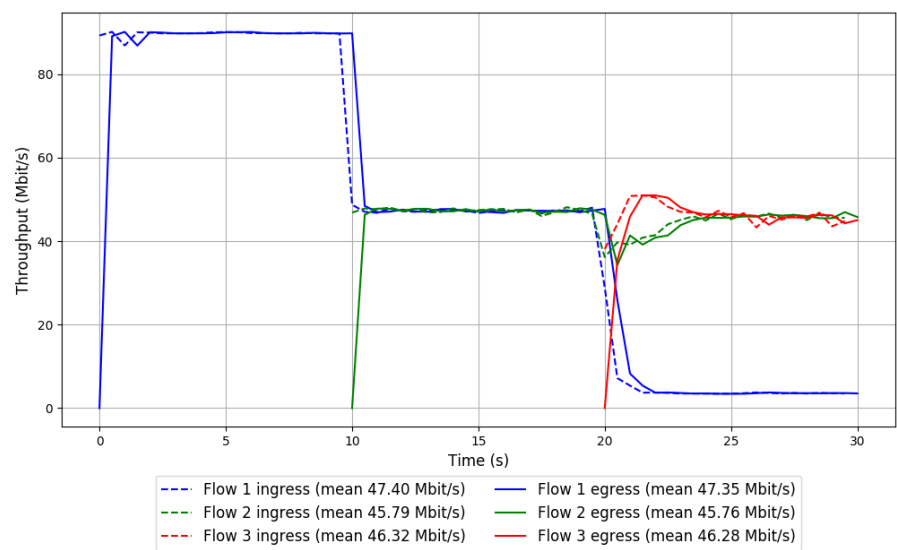


Run 6: Statistics of TaoVA-100x

Start at: 2018-06-05 13:05:35
End at: 2018-06-05 13:06:05
Local clock offset: -5.556 ms
Remote clock offset: 12.114 ms

Below is generated by plot.py at 2018-06-05 14:47:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.22 Mbit/s
95th percentile per-packet one-way delay: 10.880 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 47.35 Mbit/s
95th percentile per-packet one-way delay: 7.776 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 45.76 Mbit/s
95th percentile per-packet one-way delay: 11.480 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 46.28 Mbit/s
95th percentile per-packet one-way delay: 15.334 ms
Loss rate: 0.05%

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

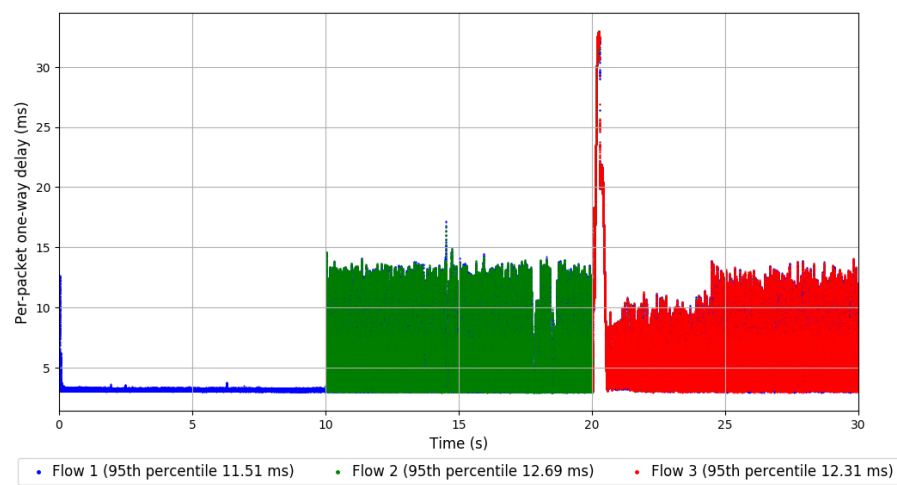
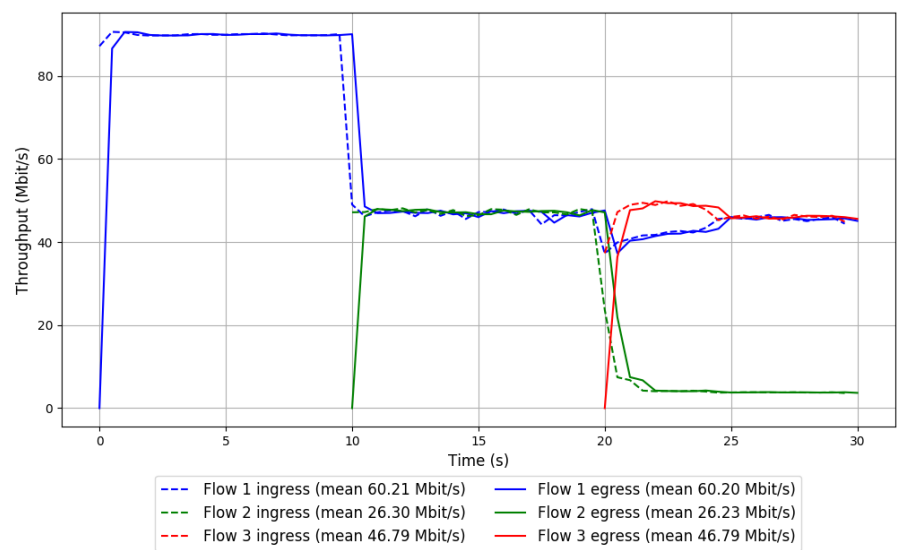


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-05 13:23:38
End at: 2018-06-05 13:24:08
Local clock offset: -6.612 ms
Remote clock offset: 15.404 ms

Below is generated by plot.py at 2018-06-05 14:47:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.22 Mbit/s
95th percentile per-packet one-way delay: 12.037 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 60.20 Mbit/s
95th percentile per-packet one-way delay: 11.514 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 26.23 Mbit/s
95th percentile per-packet one-way delay: 12.687 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 46.79 Mbit/s
95th percentile per-packet one-way delay: 12.311 ms
Loss rate: 0.02%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-05 13:41:40

End at: 2018-06-05 13:42:10

Local clock offset: -5.165 ms

Remote clock offset: 6.064 ms

Below is generated by plot.py at 2018-06-05 14:47:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.35 Mbit/s

95th percentile per-packet one-way delay: 9.116 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 58.86 Mbit/s

95th percentile per-packet one-way delay: 7.153 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 47.65 Mbit/s

95th percentile per-packet one-way delay: 10.449 ms

Loss rate: 0.01%

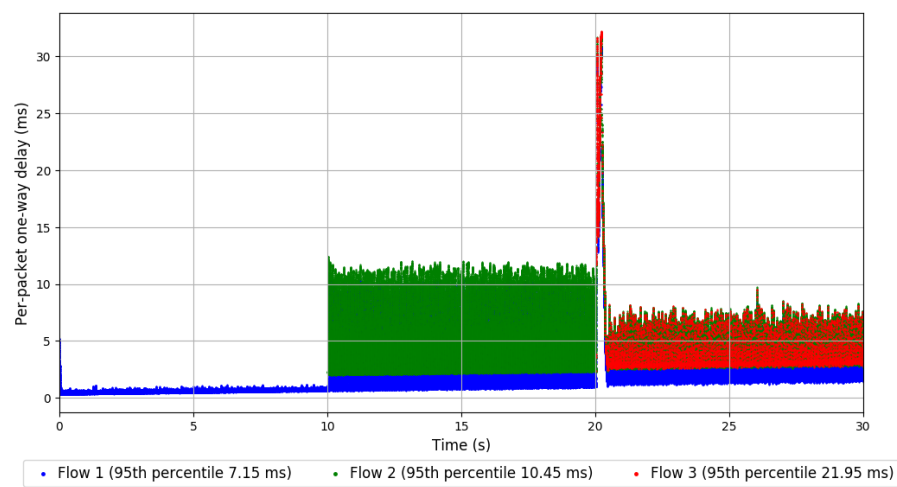
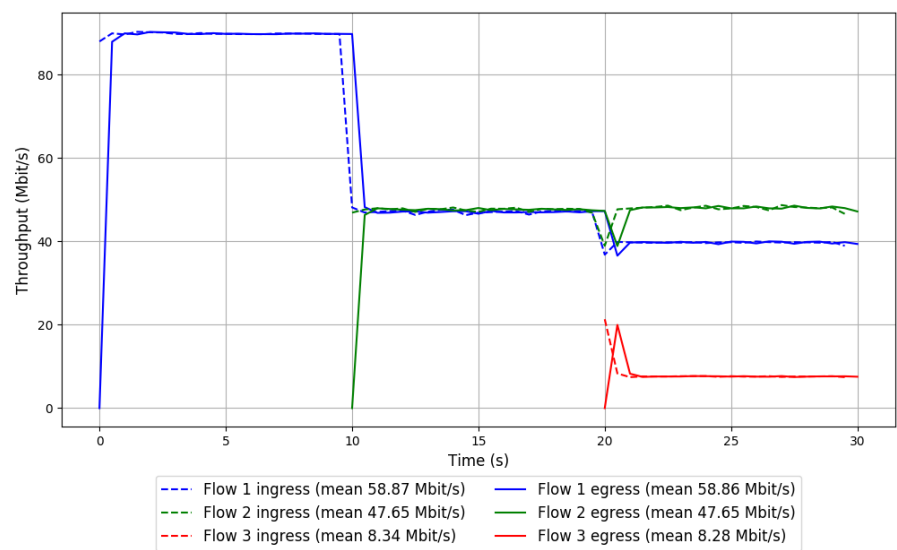
-- Flow 3:

Average throughput: 8.28 Mbit/s

95th percentile per-packet one-way delay: 21.949 ms

Loss rate: 0.78%

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

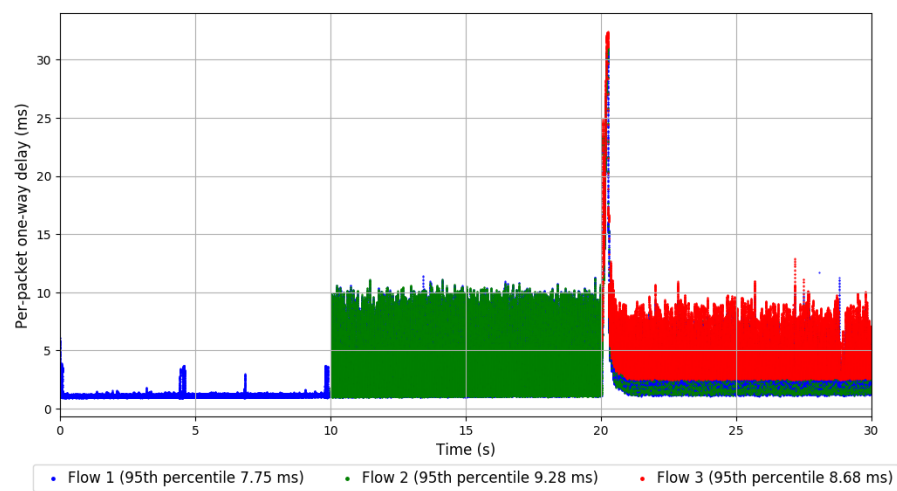
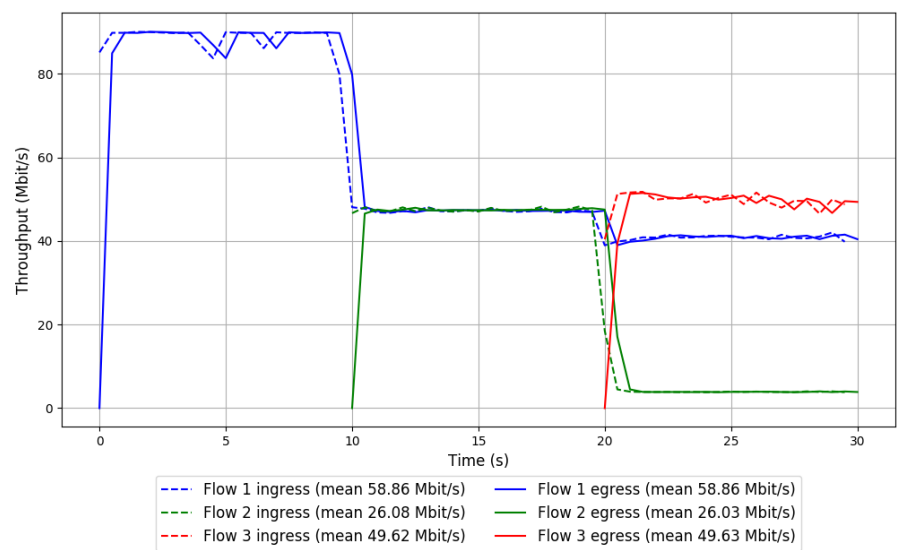


Run 9: Statistics of TaoVA-100x

Start at: 2018-06-05 13:59:42
End at: 2018-06-05 14:00:12
Local clock offset: -5.898 ms
Remote clock offset: -11.146 ms

Below is generated by plot.py at 2018-06-05 14:48:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.67 Mbit/s
95th percentile per-packet one-way delay: 8.506 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 58.86 Mbit/s
95th percentile per-packet one-way delay: 7.749 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 26.03 Mbit/s
95th percentile per-packet one-way delay: 9.280 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 49.63 Mbit/s
95th percentile per-packet one-way delay: 8.682 ms
Loss rate: 0.06%

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

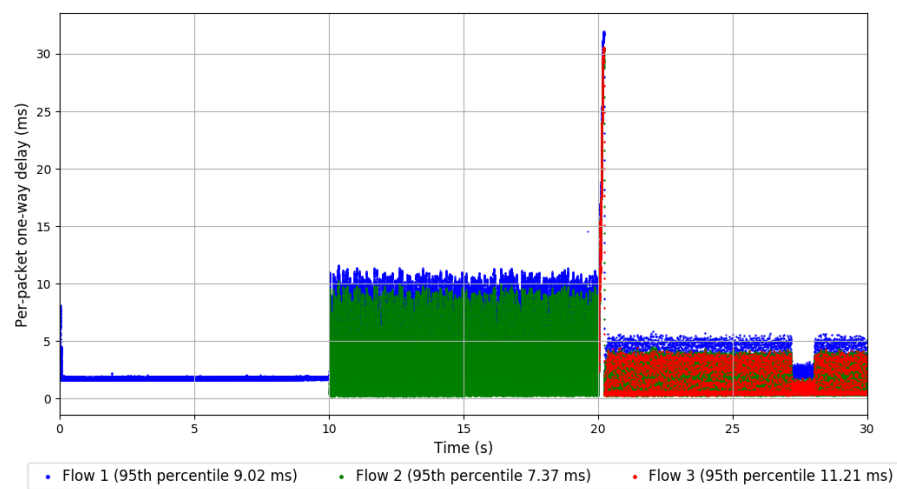
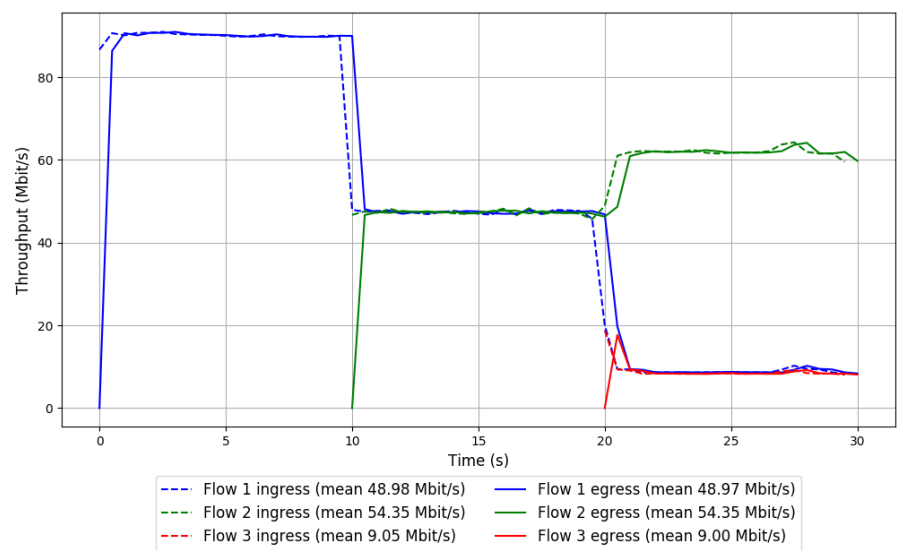


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-06-05 14:17:46
End at: 2018-06-05 14:18:16
Local clock offset: -5.04 ms
Remote clock offset: -17.514 ms

# Below is generated by plot.py at 2018-06-05 14:48:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.16 Mbit/s
95th percentile per-packet one-way delay: 8.362 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 48.97 Mbit/s
95th percentile per-packet one-way delay: 9.016 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 54.35 Mbit/s
95th percentile per-packet one-way delay: 7.367 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 9.00 Mbit/s
95th percentile per-packet one-way delay: 11.205 ms
Loss rate: 0.61%
```

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

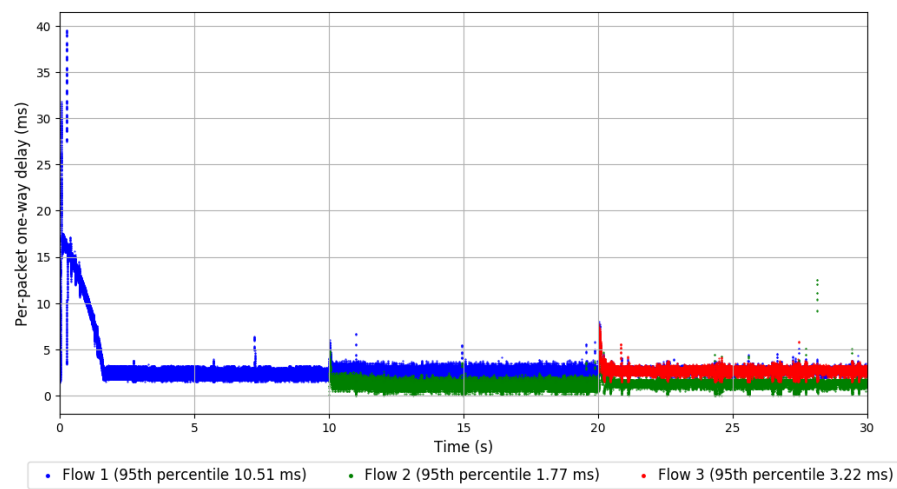
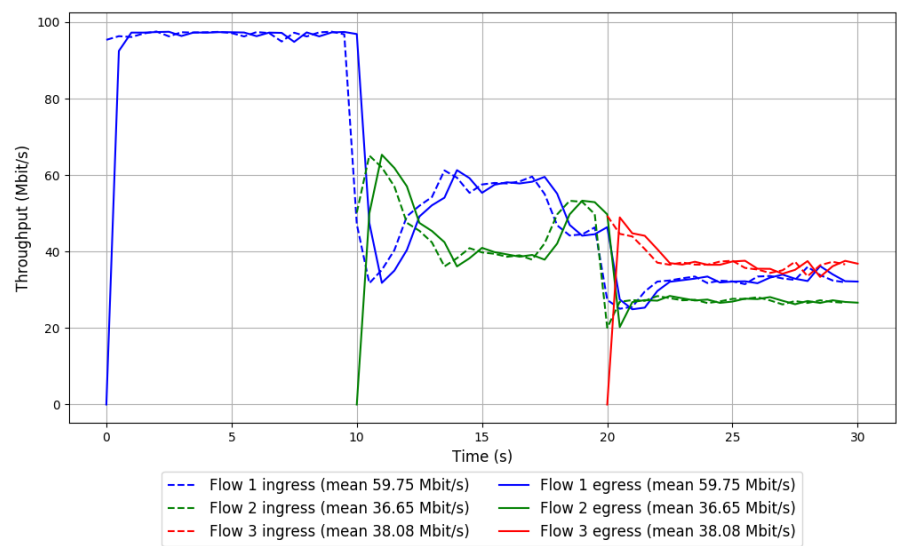


Run 1: Statistics of TCP Vegas

Start at: 2018-06-05 11:31:58
End at: 2018-06-05 11:32:28
Local clock offset: -4.518 ms
Remote clock offset: -6.883 ms

Below is generated by plot.py at 2018-06-05 14:48:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 4.954 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.75 Mbit/s
95th percentile per-packet one-way delay: 10.513 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.65 Mbit/s
95th percentile per-packet one-way delay: 1.769 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.08 Mbit/s
95th percentile per-packet one-way delay: 3.223 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

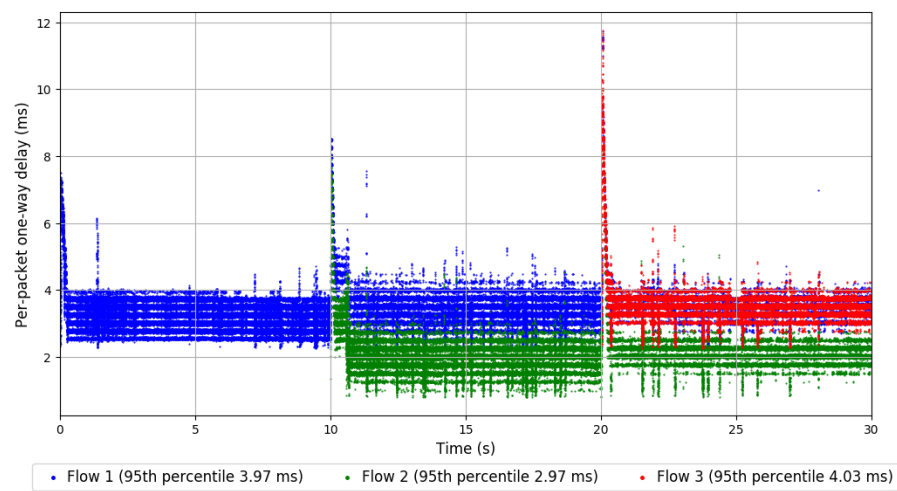
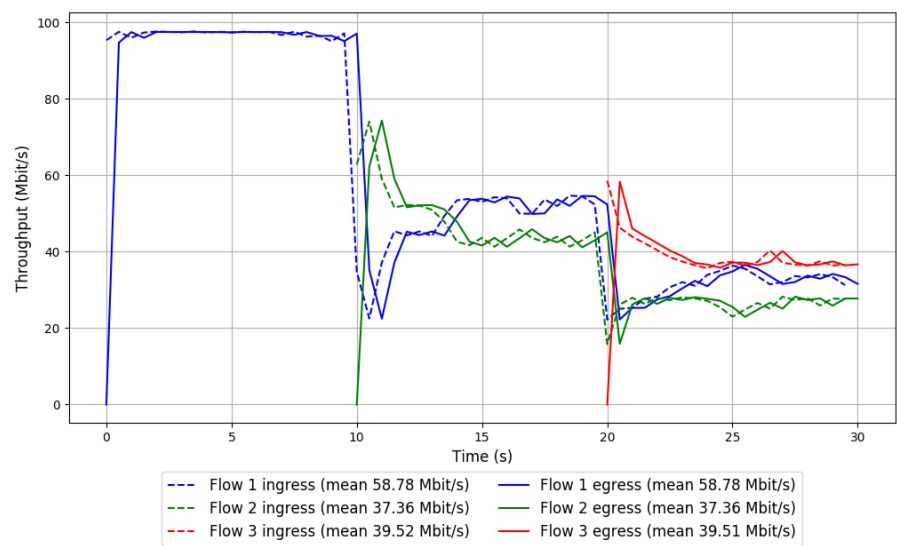


Run 2: Statistics of TCP Vegas

Start at: 2018-06-05 11:50:01
End at: 2018-06-05 11:50:31
Local clock offset: -5.31 ms
Remote clock offset: -6.618 ms

Below is generated by plot.py at 2018-06-05 14:48:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.80 Mbit/s
95th percentile per-packet one-way delay: 3.891 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.78 Mbit/s
95th percentile per-packet one-way delay: 3.968 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.36 Mbit/s
95th percentile per-packet one-way delay: 2.973 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 4.025 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

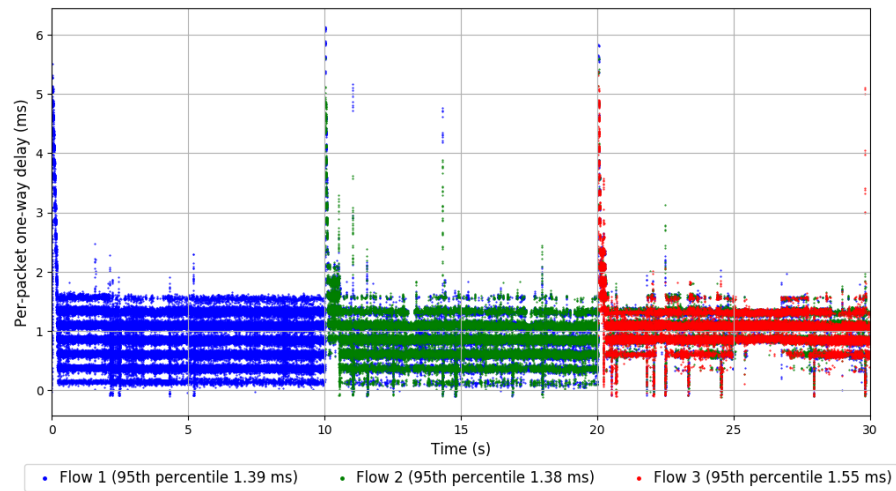
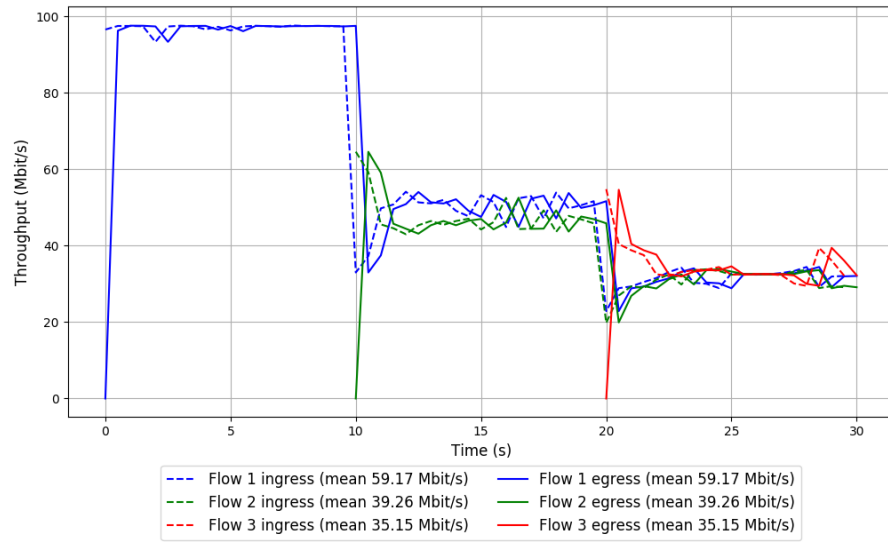


Run 3: Statistics of TCP Vegas

Start at: 2018-06-05 12:08:04
End at: 2018-06-05 12:08:34
Local clock offset: -4.719 ms
Remote clock offset: -6.635 ms

Below is generated by plot.py at 2018-06-05 14:48:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.00 Mbit/s
95th percentile per-packet one-way delay: 1.391 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.17 Mbit/s
95th percentile per-packet one-way delay: 1.389 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.26 Mbit/s
95th percentile per-packet one-way delay: 1.383 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.15 Mbit/s
95th percentile per-packet one-way delay: 1.550 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

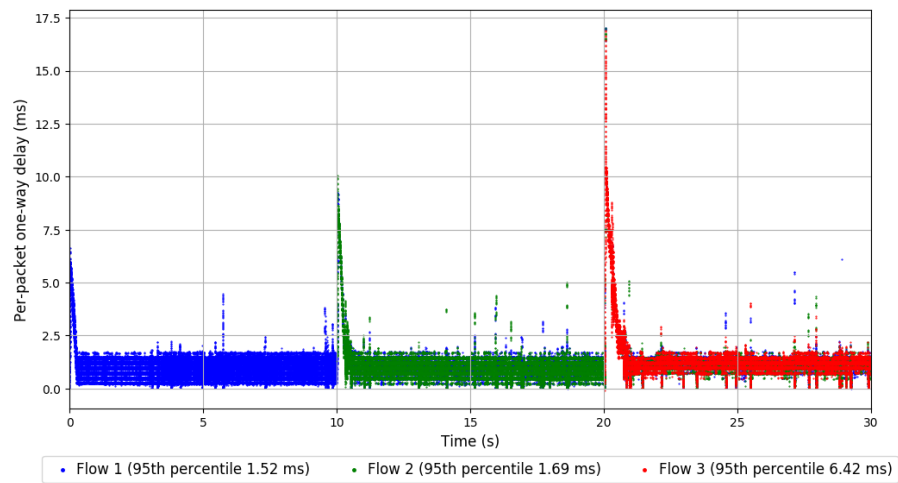
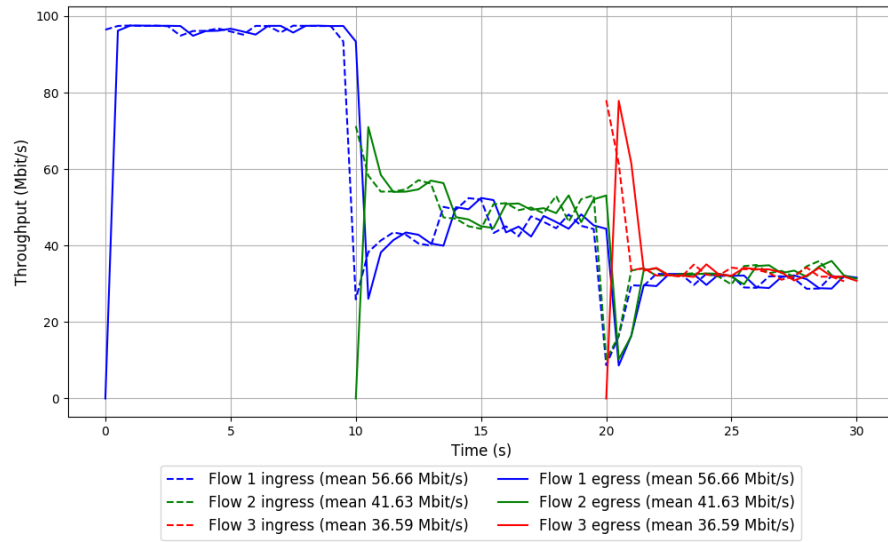


Run 4: Statistics of TCP Vegas

Start at: 2018-06-05 12:26:08
End at: 2018-06-05 12:26:38
Local clock offset: -5.199 ms
Remote clock offset: -6.433 ms

Below is generated by plot.py at 2018-06-05 14:48:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 1.715 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.66 Mbit/s
95th percentile per-packet one-way delay: 1.517 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.63 Mbit/s
95th percentile per-packet one-way delay: 1.688 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.59 Mbit/s
95th percentile per-packet one-way delay: 6.419 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-06-05 12:44:11

End at: 2018-06-05 12:44:41

Local clock offset: -5.688 ms

Remote clock offset: 6.442 ms

Below is generated by plot.py at 2018-06-05 14:48:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 2.743 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.86 Mbit/s

95th percentile per-packet one-way delay: 2.740 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 52.81 Mbit/s

95th percentile per-packet one-way delay: 2.740 ms

Loss rate: 0.00%

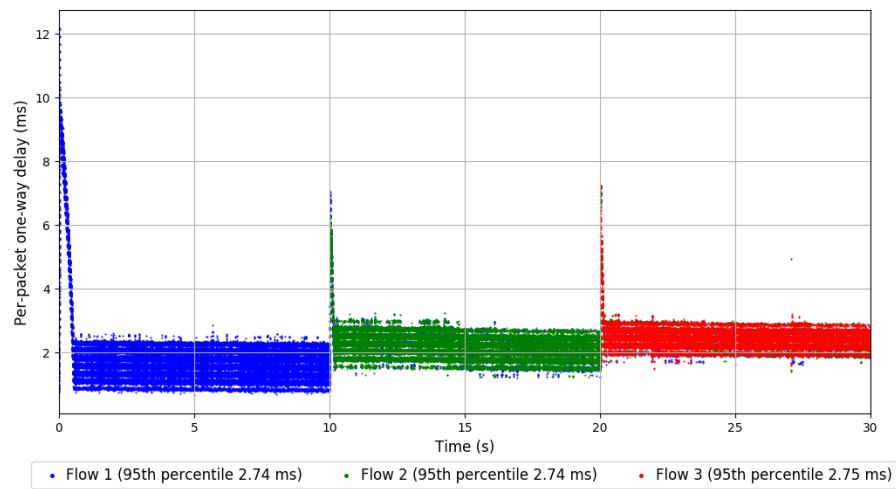
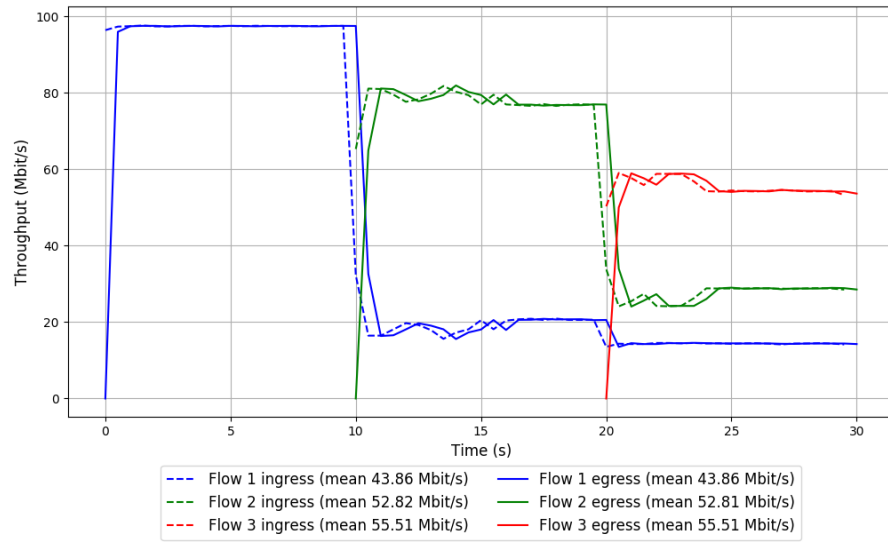
-- Flow 3:

Average throughput: 55.51 Mbit/s

95th percentile per-packet one-way delay: 2.755 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

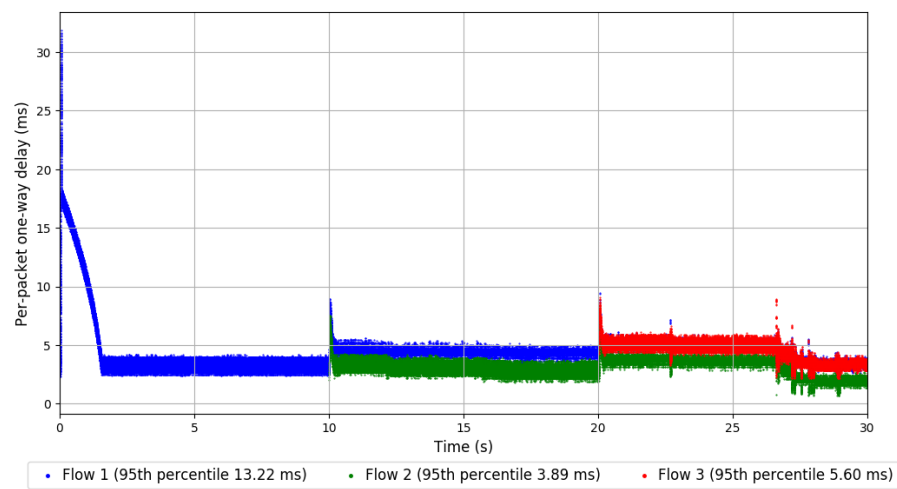
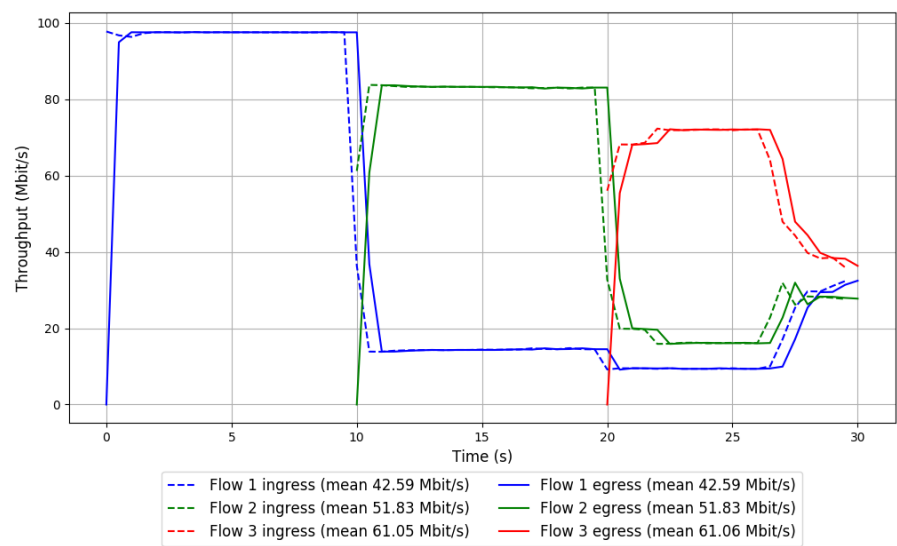


Run 6: Statistics of TCP Vegas

Start at: 2018-06-05 13:02:14
End at: 2018-06-05 13:02:44
Local clock offset: -5.512 ms
Remote clock offset: 11.471 ms

Below is generated by plot.py at 2018-06-05 14:48:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 5.926 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.59 Mbit/s
95th percentile per-packet one-way delay: 13.218 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.83 Mbit/s
95th percentile per-packet one-way delay: 3.892 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 61.06 Mbit/s
95th percentile per-packet one-way delay: 5.603 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

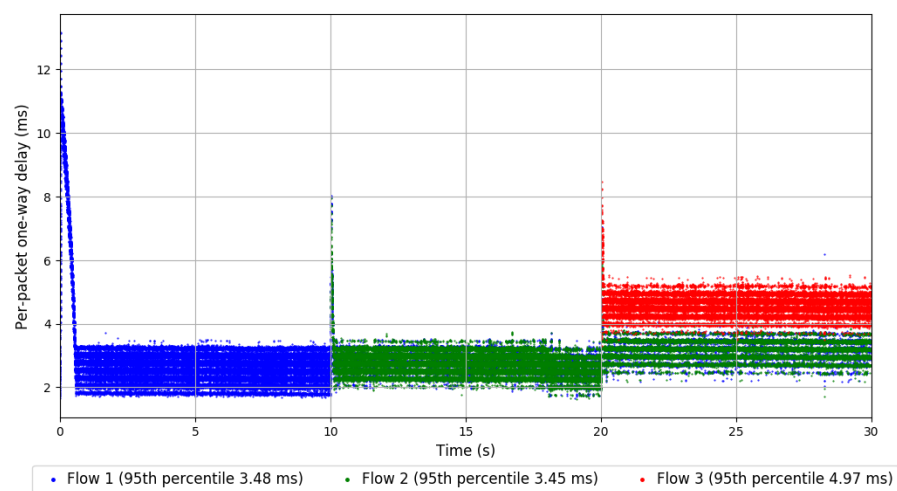
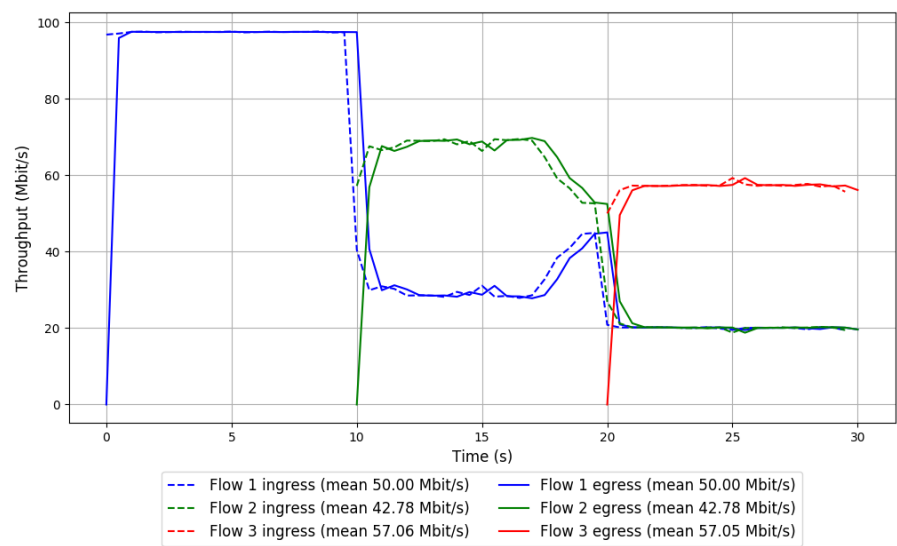


Run 7: Statistics of TCP Vegas

Start at: 2018-06-05 13:20:17
End at: 2018-06-05 13:20:47
Local clock offset: -6.655 ms
Remote clock offset: 14.816 ms

Below is generated by plot.py at 2018-06-05 14:49:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 4.760 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.00 Mbit/s
95th percentile per-packet one-way delay: 3.482 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.78 Mbit/s
95th percentile per-packet one-way delay: 3.448 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 57.05 Mbit/s
95th percentile per-packet one-way delay: 4.970 ms
Loss rate: 0.01%

Run 7: Report of TCP Vegas — Data Link

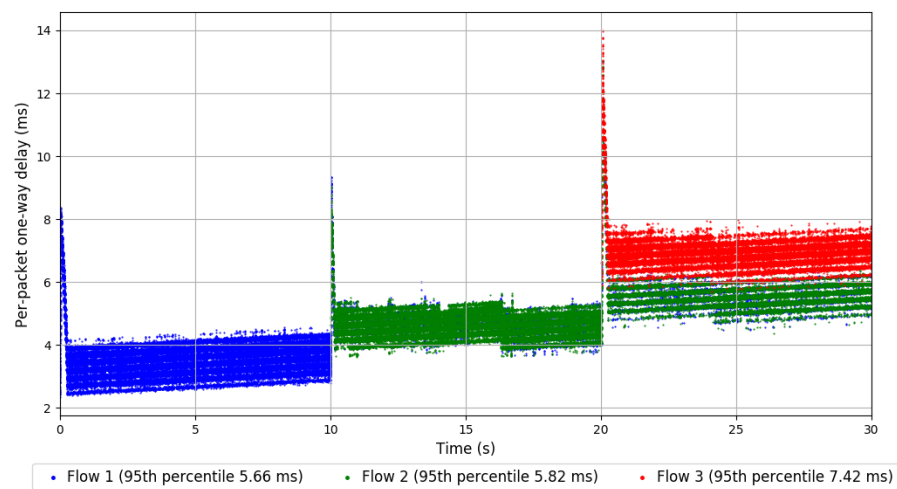
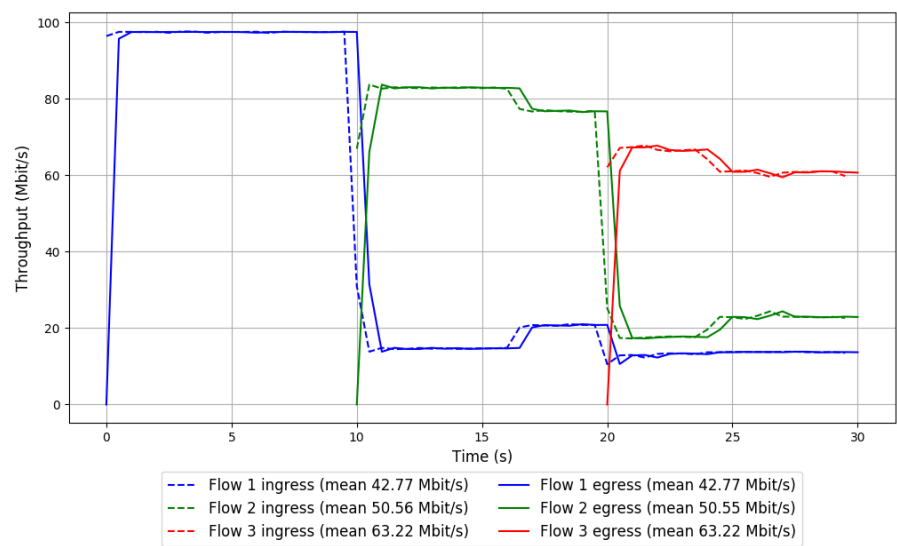


Run 8: Statistics of TCP Vegas

Start at: 2018-06-05 13:38:19
End at: 2018-06-05 13:38:49
Local clock offset: -6.694 ms
Remote clock offset: 14.124 ms

Below is generated by plot.py at 2018-06-05 14:49:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 7.156 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.77 Mbit/s
95th percentile per-packet one-way delay: 5.657 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.55 Mbit/s
95th percentile per-packet one-way delay: 5.820 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.22 Mbit/s
95th percentile per-packet one-way delay: 7.425 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

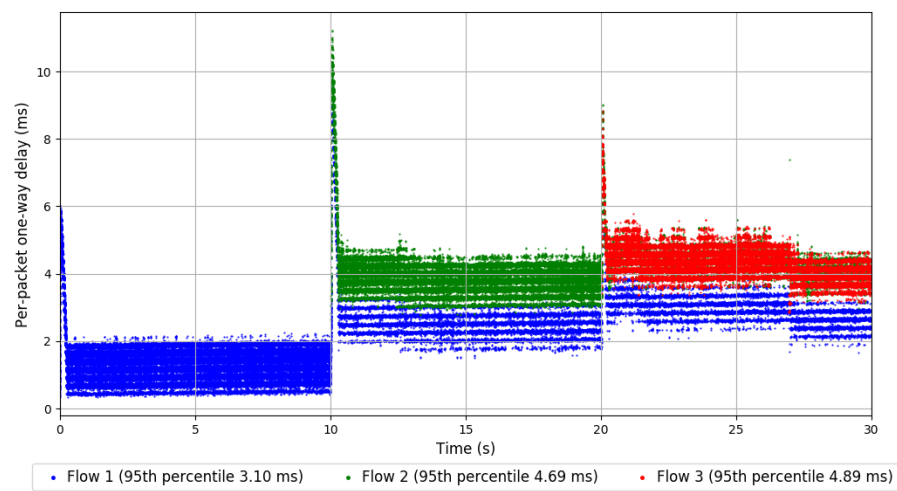
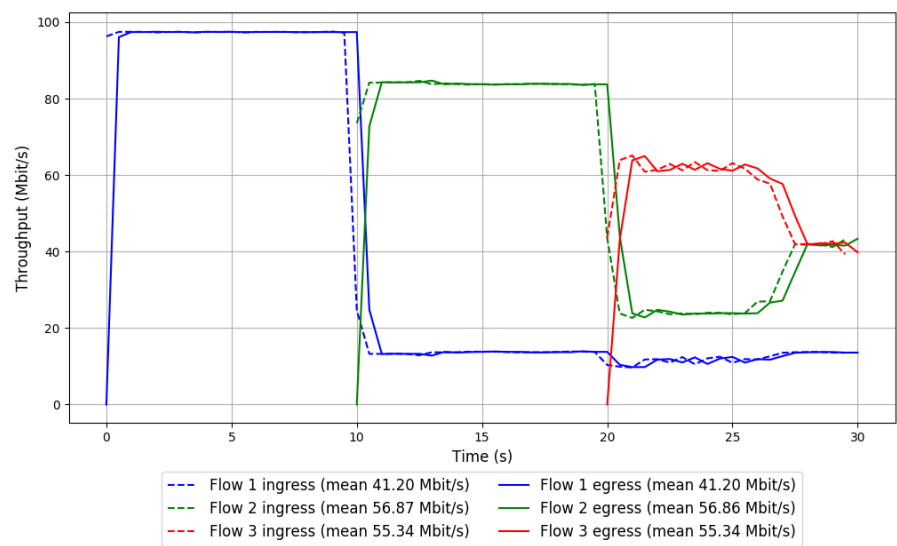


Run 9: Statistics of TCP Vegas

Start at: 2018-06-05 13:56:20
End at: 2018-06-05 13:56:50
Local clock offset: -5.131 ms
Remote clock offset: -9.287 ms

Below is generated by plot.py at 2018-06-05 14:49:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 4.726 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.20 Mbit/s
95th percentile per-packet one-way delay: 3.100 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 56.86 Mbit/s
95th percentile per-packet one-way delay: 4.687 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.34 Mbit/s
95th percentile per-packet one-way delay: 4.894 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

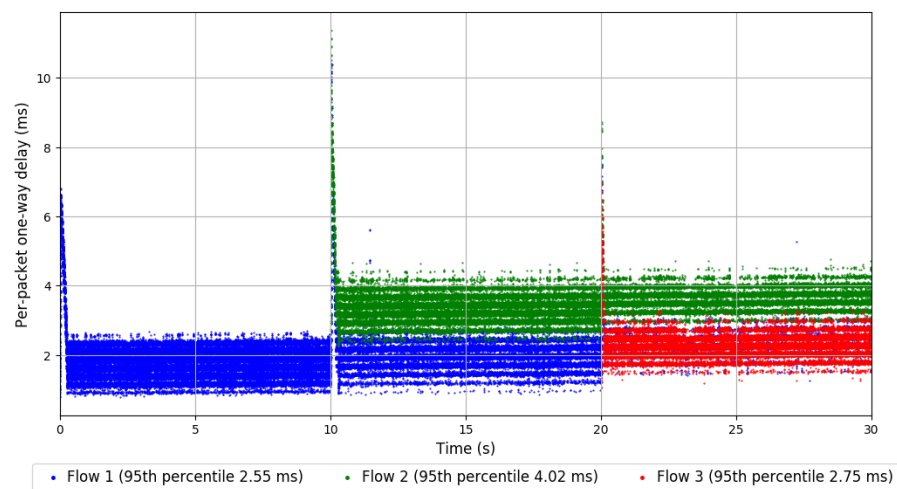
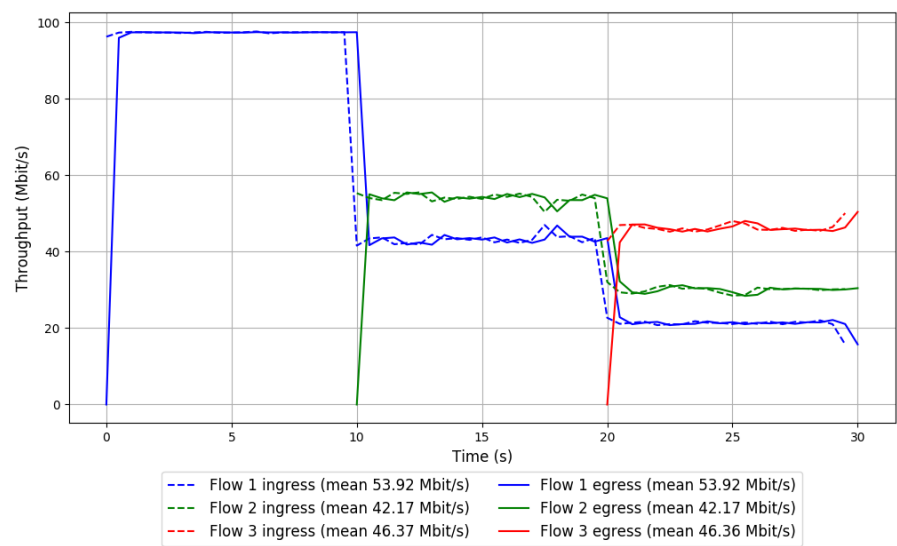


Run 10: Statistics of TCP Vegas

Start at: 2018-06-05 14:14:24
End at: 2018-06-05 14:14:54
Local clock offset: -5.828 ms
Remote clock offset: -16.694 ms

Below is generated by plot.py at 2018-06-05 14:49:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 3.791 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.92 Mbit/s
95th percentile per-packet one-way delay: 2.547 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.17 Mbit/s
95th percentile per-packet one-way delay: 4.017 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.36 Mbit/s
95th percentile per-packet one-way delay: 2.749 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

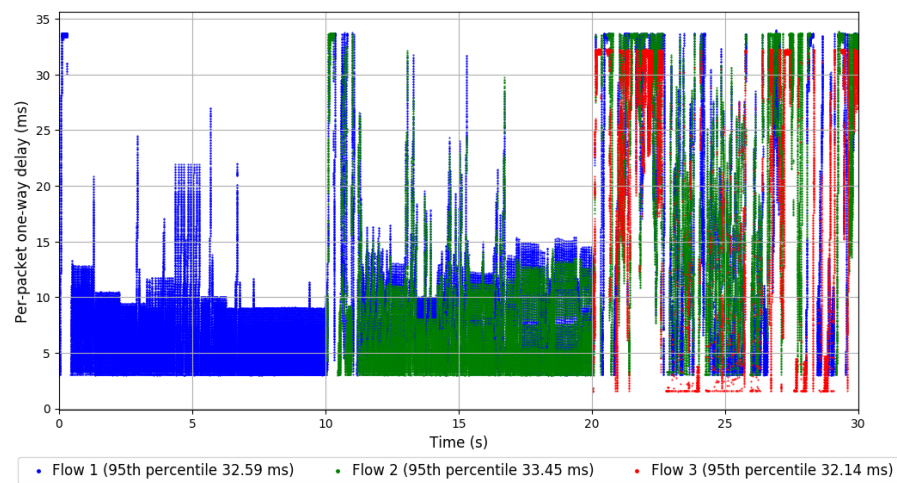
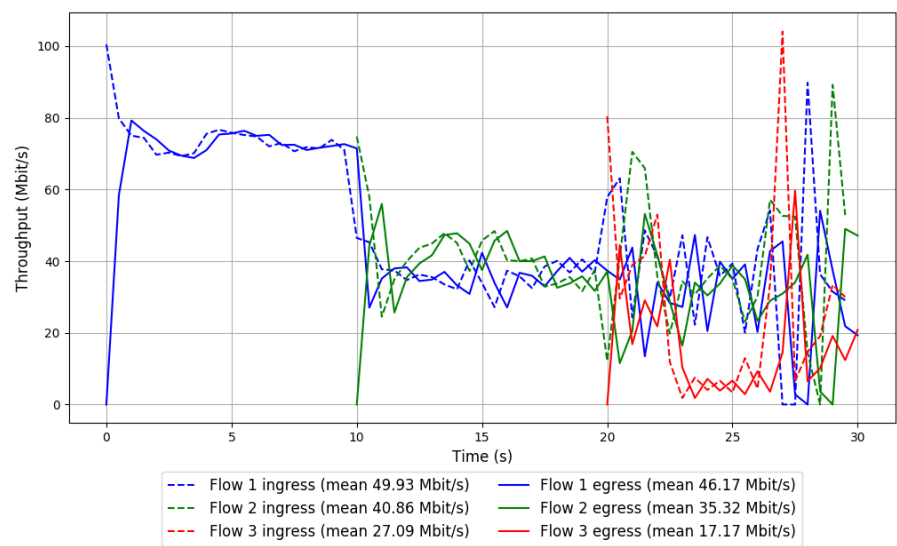


Run 1: Statistics of Verus

Start at: 2018-06-05 11:25:12
End at: 2018-06-05 11:25:42
Local clock offset: -6.175 ms
Remote clock offset: -7.201 ms

Below is generated by plot.py at 2018-06-05 14:49:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.36 Mbit/s
95th percentile per-packet one-way delay: 33.186 ms
Loss rate: 12.37%
-- Flow 1:
Average throughput: 46.17 Mbit/s
95th percentile per-packet one-way delay: 32.589 ms
Loss rate: 7.45%
-- Flow 2:
Average throughput: 35.32 Mbit/s
95th percentile per-packet one-way delay: 33.447 ms
Loss rate: 13.46%
-- Flow 3:
Average throughput: 17.17 Mbit/s
95th percentile per-packet one-way delay: 32.137 ms
Loss rate: 36.48%

Run 1: Report of Verus — Data Link

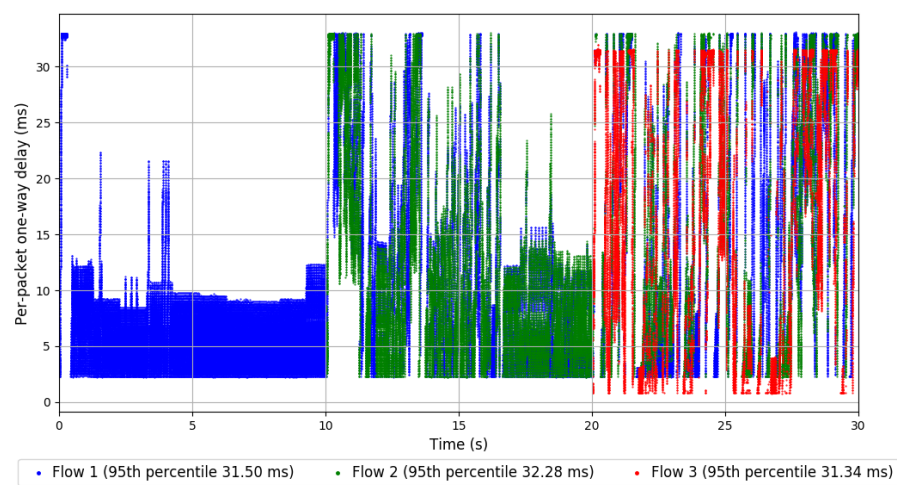
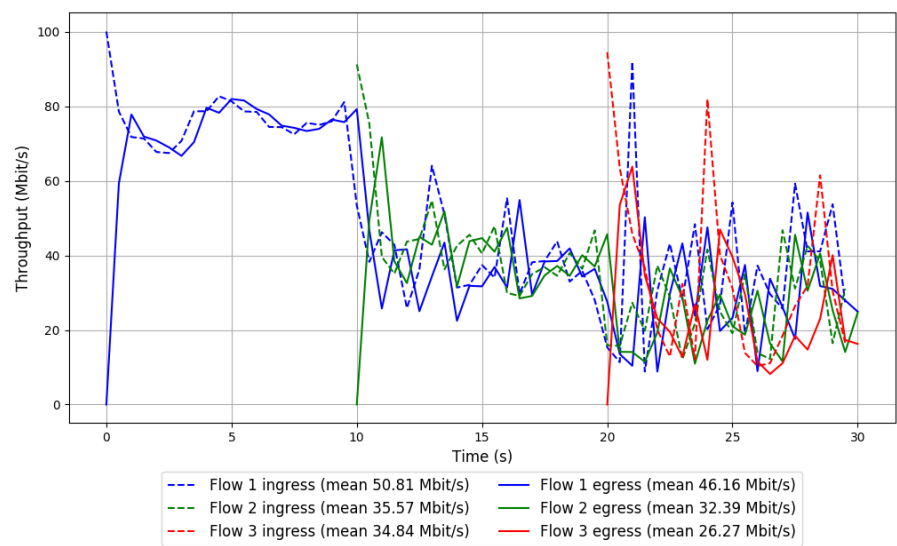


Run 2: Statistics of Verus

Start at: 2018-06-05 11:43:16
End at: 2018-06-05 11:43:46
Local clock offset: -5.322 ms
Remote clock offset: -6.731 ms

Below is generated by plot.py at 2018-06-05 14:49:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.45 Mbit/s
95th percentile per-packet one-way delay: 31.503 ms
Loss rate: 11.05%
-- Flow 1:
Average throughput: 46.16 Mbit/s
95th percentile per-packet one-way delay: 31.504 ms
Loss rate: 9.06%
-- Flow 2:
Average throughput: 32.39 Mbit/s
95th percentile per-packet one-way delay: 32.285 ms
Loss rate: 8.81%
-- Flow 3:
Average throughput: 26.27 Mbit/s
95th percentile per-packet one-way delay: 31.343 ms
Loss rate: 24.36%

Run 2: Report of Verus — Data Link

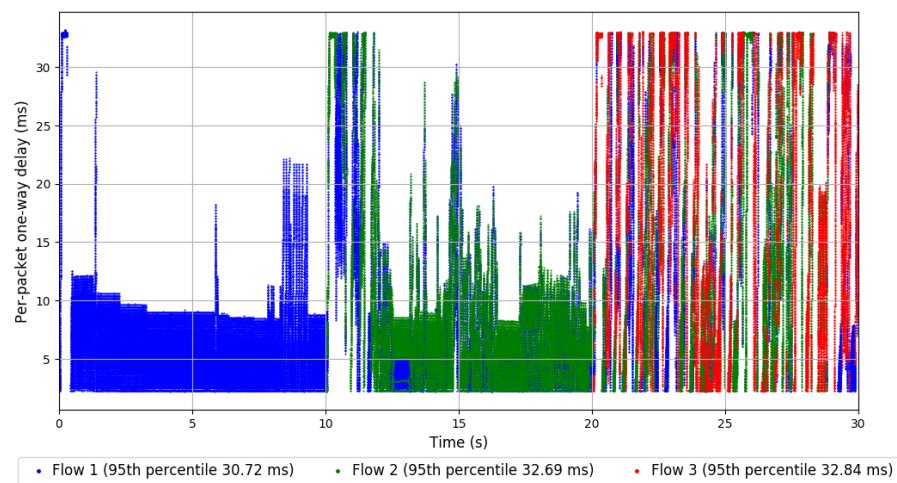
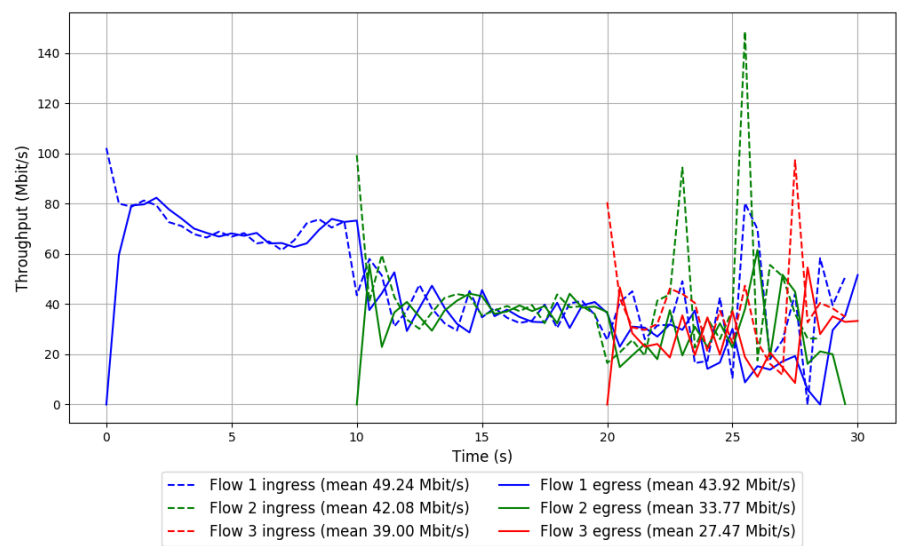


Run 3: Statistics of Verus

Start at: 2018-06-05 12:01:19
End at: 2018-06-05 12:01:49
Local clock offset: -5.24 ms
Remote clock offset: -6.622 ms

Below is generated by plot.py at 2018-06-05 14:49:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.44 Mbit/s
95th percentile per-packet one-way delay: 32.637 ms
Loss rate: 16.13%
-- Flow 1:
Average throughput: 43.92 Mbit/s
95th percentile per-packet one-way delay: 30.719 ms
Loss rate: 10.73%
-- Flow 2:
Average throughput: 33.77 Mbit/s
95th percentile per-packet one-way delay: 32.691 ms
Loss rate: 19.67%
-- Flow 3:
Average throughput: 27.47 Mbit/s
95th percentile per-packet one-way delay: 32.838 ms
Loss rate: 29.40%

Run 3: Report of Verus — Data Link

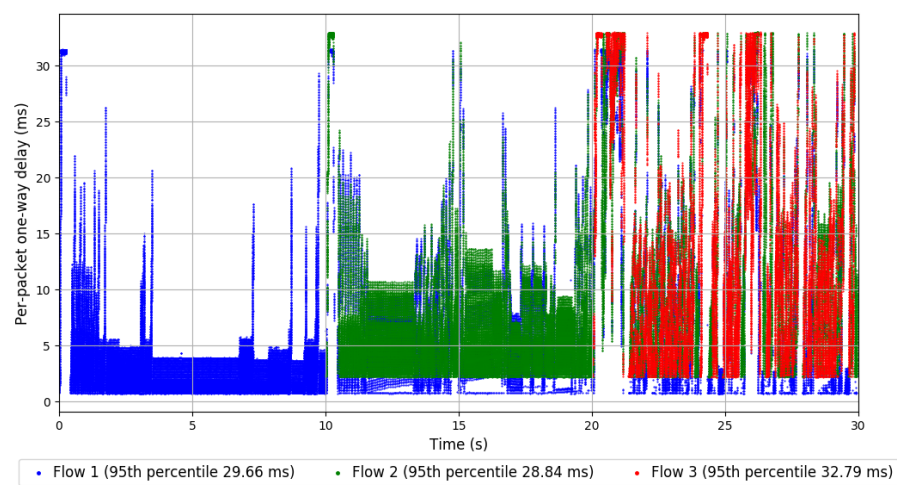
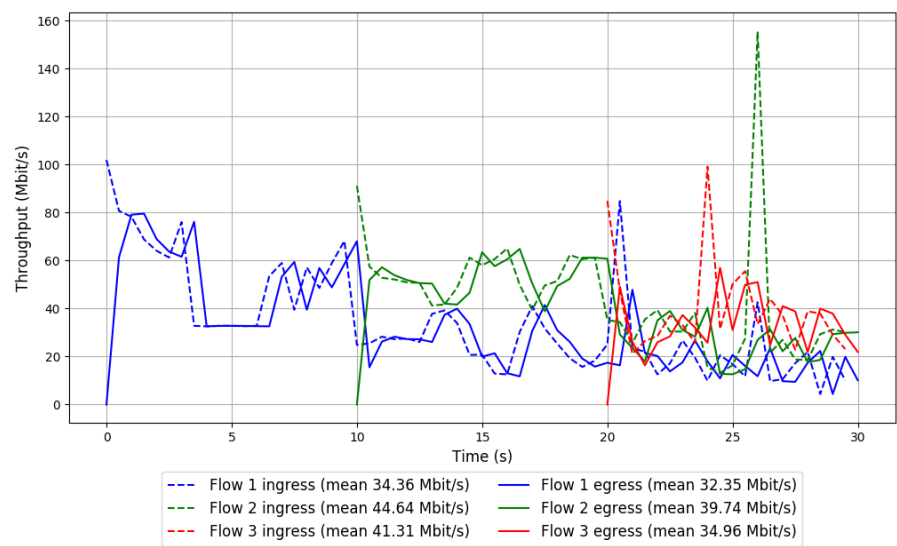


Run 4: Statistics of Verus

Start at: 2018-06-05 12:19:22
End at: 2018-06-05 12:19:52
Local clock offset: -5.867 ms
Remote clock offset: -6.533 ms

Below is generated by plot.py at 2018-06-05 14:49:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.24 Mbit/s
95th percentile per-packet one-way delay: 31.172 ms
Loss rate: 9.40%
-- Flow 1:
Average throughput: 32.35 Mbit/s
95th percentile per-packet one-way delay: 29.665 ms
Loss rate: 5.82%
-- Flow 2:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 28.836 ms
Loss rate: 10.94%
-- Flow 3:
Average throughput: 34.96 Mbit/s
95th percentile per-packet one-way delay: 32.788 ms
Loss rate: 15.11%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-06-05 12:37:26

End at: 2018-06-05 12:37:56

Local clock offset: -5.184 ms

Remote clock offset: 2.851 ms

Below is generated by plot.py at 2018-06-05 14:50:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.53 Mbit/s

95th percentile per-packet one-way delay: 28.936 ms

Loss rate: 9.22%

-- Flow 1:

Average throughput: 34.54 Mbit/s

95th percentile per-packet one-way delay: 26.951 ms

Loss rate: 7.36%

-- Flow 2:

Average throughput: 22.69 Mbit/s

95th percentile per-packet one-way delay: 29.892 ms

Loss rate: 13.38%

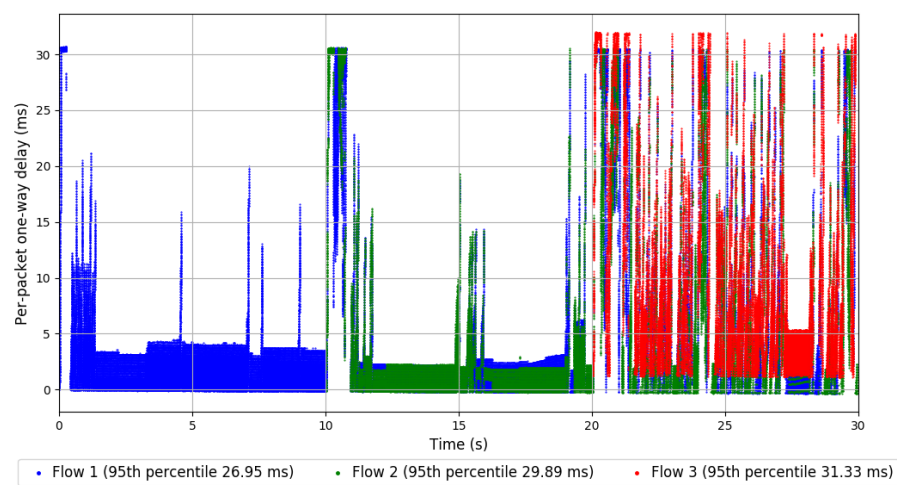
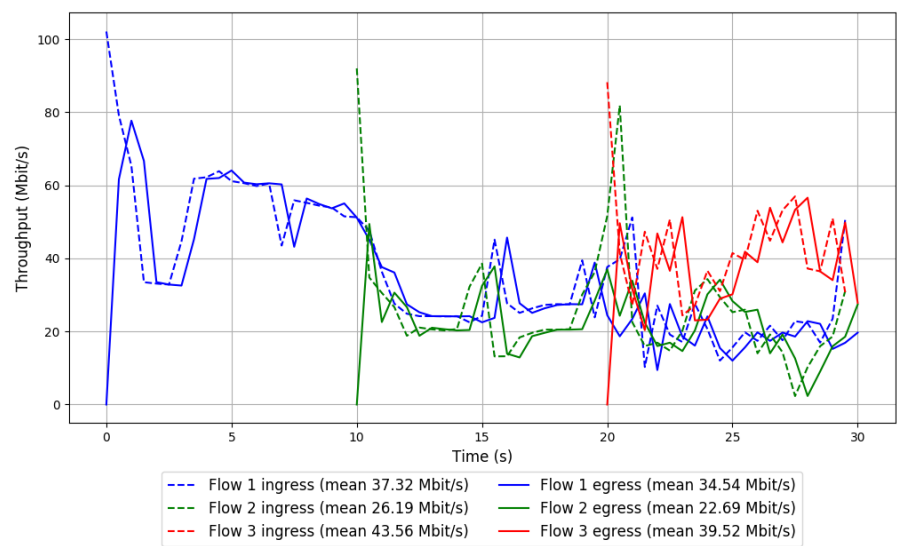
-- Flow 3:

Average throughput: 39.52 Mbit/s

95th percentile per-packet one-way delay: 31.329 ms

Loss rate: 8.98%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-06-05 12:55:28

End at: 2018-06-05 12:55:58

Local clock offset: -4.785 ms

Remote clock offset: 9.999 ms

Below is generated by plot.py at 2018-06-05 14:50:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.88 Mbit/s

95th percentile per-packet one-way delay: 30.507 ms

Loss rate: 9.90%

-- Flow 1:

Average throughput: 32.01 Mbit/s

95th percentile per-packet one-way delay: 29.839 ms

Loss rate: 9.87%

-- Flow 2:

Average throughput: 37.56 Mbit/s

95th percentile per-packet one-way delay: 30.538 ms

Loss rate: 7.07%

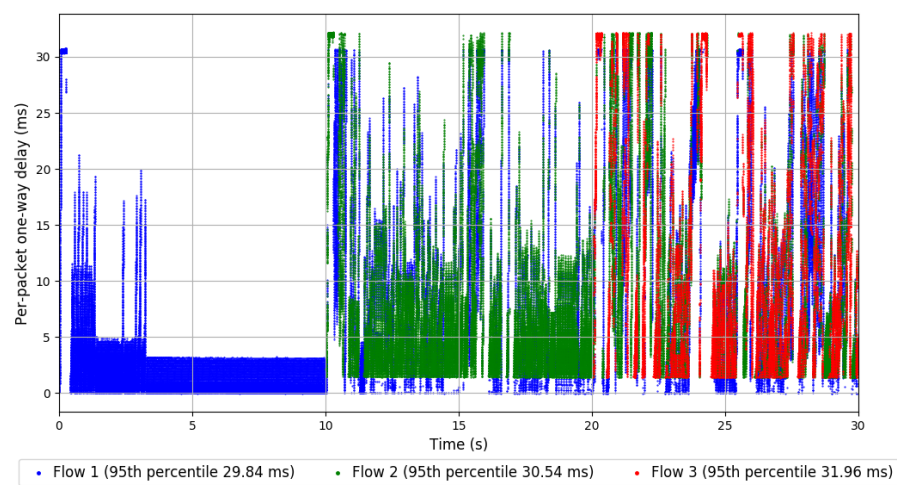
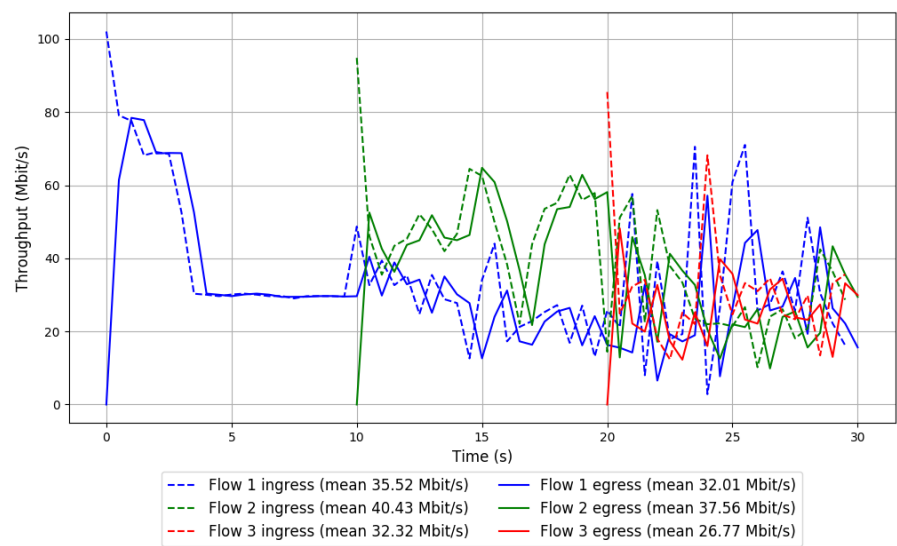
-- Flow 3:

Average throughput: 26.77 Mbit/s

95th percentile per-packet one-way delay: 31.964 ms

Loss rate: 17.15%

Run 6: Report of Verus — Data Link

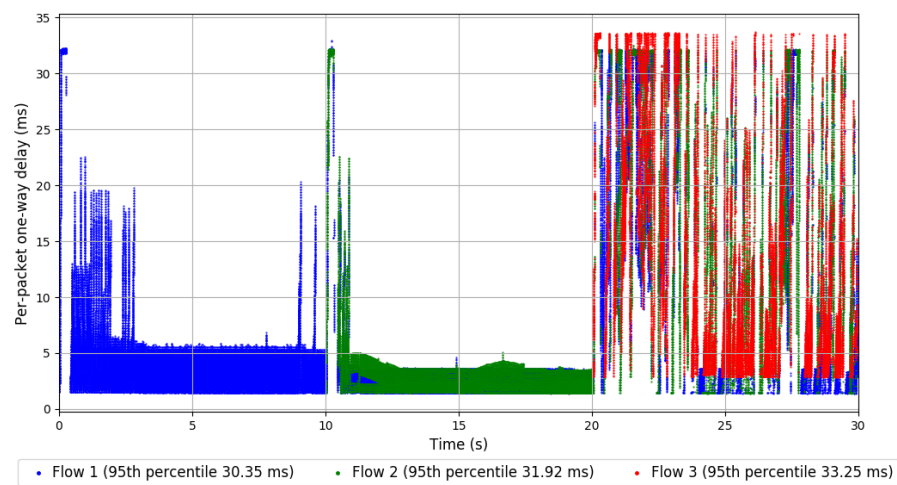
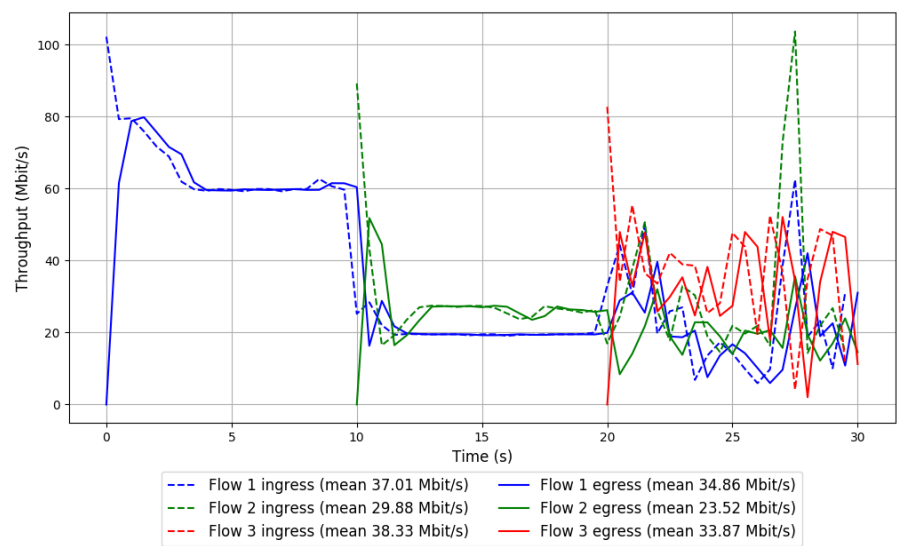


Run 7: Statistics of Verus

Start at: 2018-06-05 13:13:32
End at: 2018-06-05 13:14:02
Local clock offset: -6.511 ms
Remote clock offset: 13.539 ms

Below is generated by plot.py at 2018-06-05 14:50:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.74 Mbit/s
95th percentile per-packet one-way delay: 31.824 ms
Loss rate: 11.28%
-- Flow 1:
Average throughput: 34.86 Mbit/s
95th percentile per-packet one-way delay: 30.352 ms
Loss rate: 5.78%
-- Flow 2:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 31.922 ms
Loss rate: 21.27%
-- Flow 3:
Average throughput: 33.87 Mbit/s
95th percentile per-packet one-way delay: 33.247 ms
Loss rate: 11.65%

Run 7: Report of Verus — Data Link

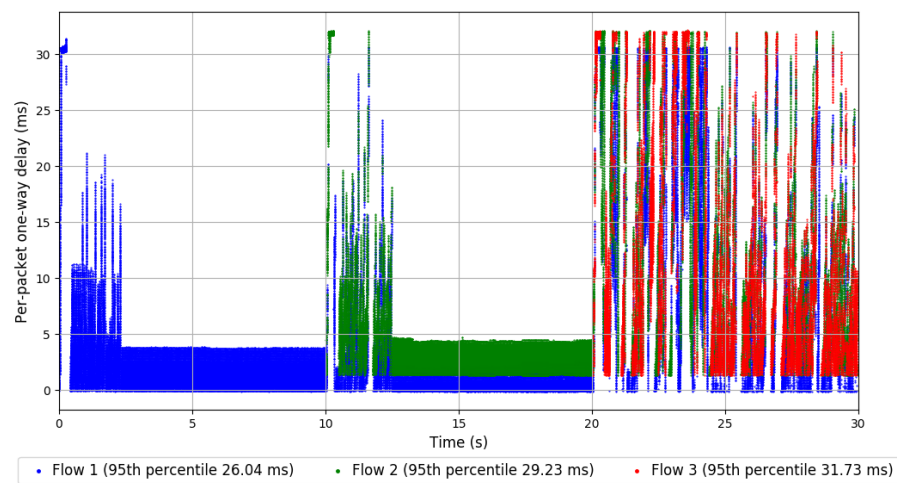
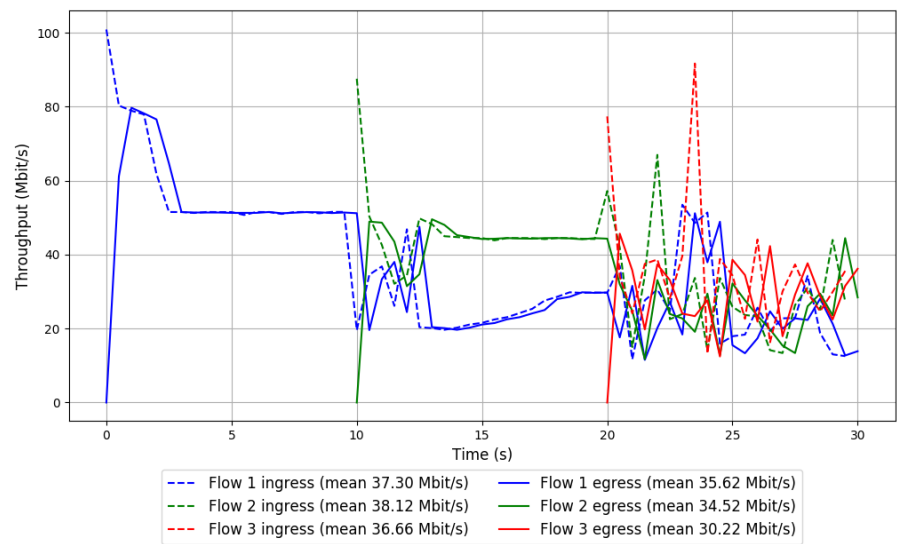


Run 8: Statistics of Verus

Start at: 2018-06-05 13:31:35
End at: 2018-06-05 13:32:05
Local clock offset: -5.098 ms
Remote clock offset: 16.715 ms

Below is generated by plot.py at 2018-06-05 14:50:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.60 Mbit/s
95th percentile per-packet one-way delay: 28.853 ms
Loss rate: 8.31%
-- Flow 1:
Average throughput: 35.62 Mbit/s
95th percentile per-packet one-way delay: 26.044 ms
Loss rate: 4.52%
-- Flow 2:
Average throughput: 34.52 Mbit/s
95th percentile per-packet one-way delay: 29.226 ms
Loss rate: 9.47%
-- Flow 3:
Average throughput: 30.22 Mbit/s
95th percentile per-packet one-way delay: 31.733 ms
Loss rate: 17.56%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-06-05 13:49:35

End at: 2018-06-05 13:50:05

Local clock offset: -5.177 ms

Remote clock offset: -4.43 ms

Below is generated by plot.py at 2018-06-05 14:50:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.83 Mbit/s

95th percentile per-packet one-way delay: 30.960 ms

Loss rate: 10.57%

-- Flow 1:

Average throughput: 44.86 Mbit/s

95th percentile per-packet one-way delay: 28.715 ms

Loss rate: 11.10%

-- Flow 2:

Average throughput: 30.47 Mbit/s

95th percentile per-packet one-way delay: 31.316 ms

Loss rate: 8.58%

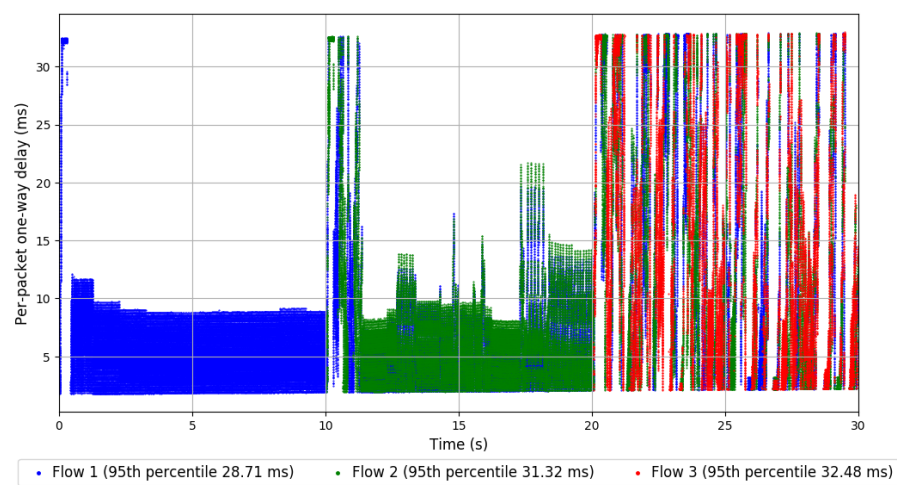
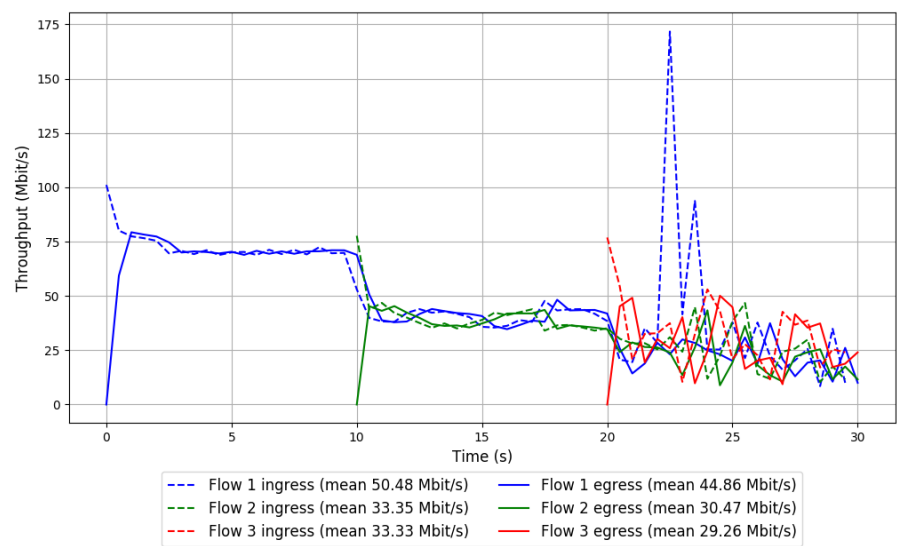
-- Flow 3:

Average throughput: 29.26 Mbit/s

95th percentile per-packet one-way delay: 32.479 ms

Loss rate: 12.14%

Run 9: Report of Verus — Data Link

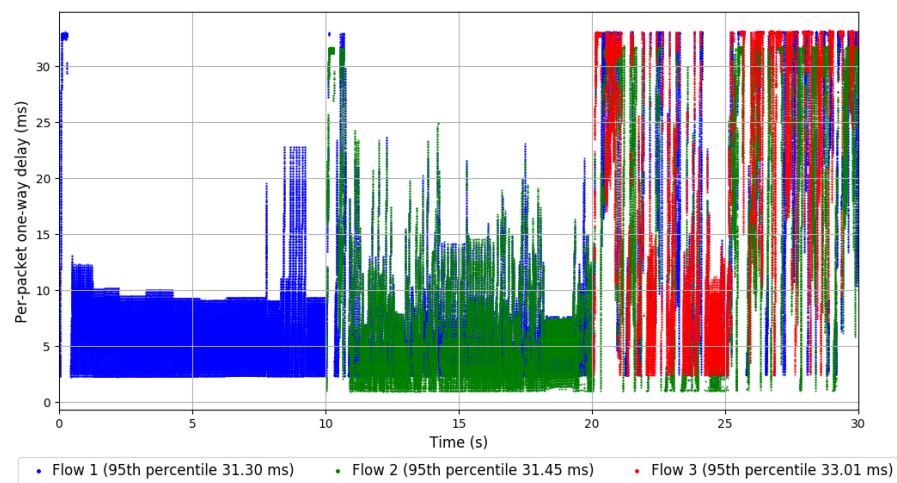
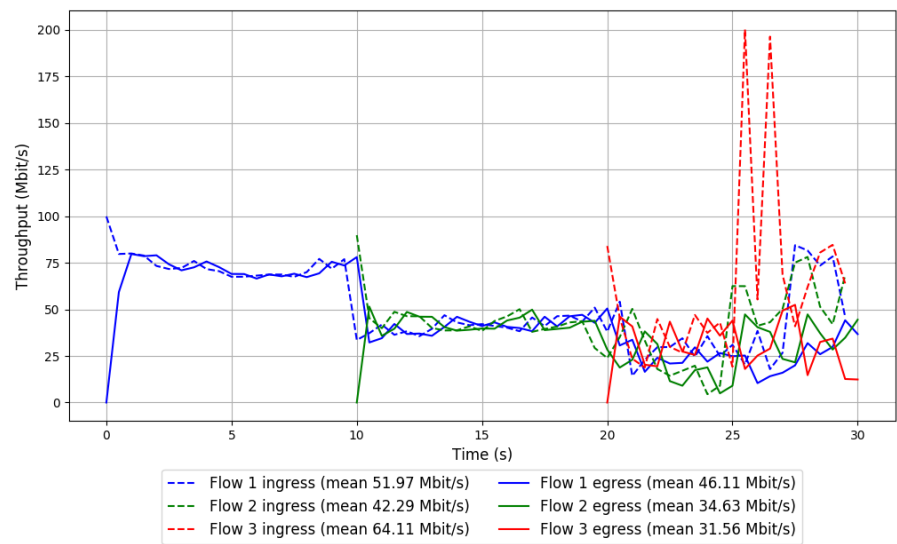


Run 10: Statistics of Verus

Start at: 2018-06-05 14:07:39
End at: 2018-06-05 14:08:09
Local clock offset: -5.865 ms
Remote clock offset: -14.38 ms

Below is generated by plot.py at 2018-06-05 14:50:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.66 Mbit/s
95th percentile per-packet one-way delay: 32.127 ms
Loss rate: 21.33%
-- Flow 1:
Average throughput: 46.11 Mbit/s
95th percentile per-packet one-way delay: 31.295 ms
Loss rate: 11.18%
-- Flow 2:
Average throughput: 34.63 Mbit/s
95th percentile per-packet one-way delay: 31.448 ms
Loss rate: 17.98%
-- Flow 3:
Average throughput: 31.56 Mbit/s
95th percentile per-packet one-way delay: 33.014 ms
Loss rate: 50.61%

Run 10: Report of Verus — Data Link

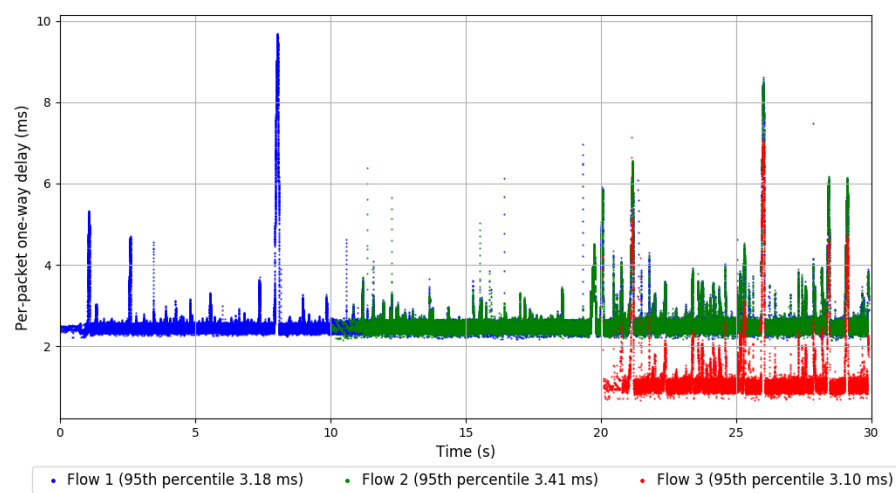
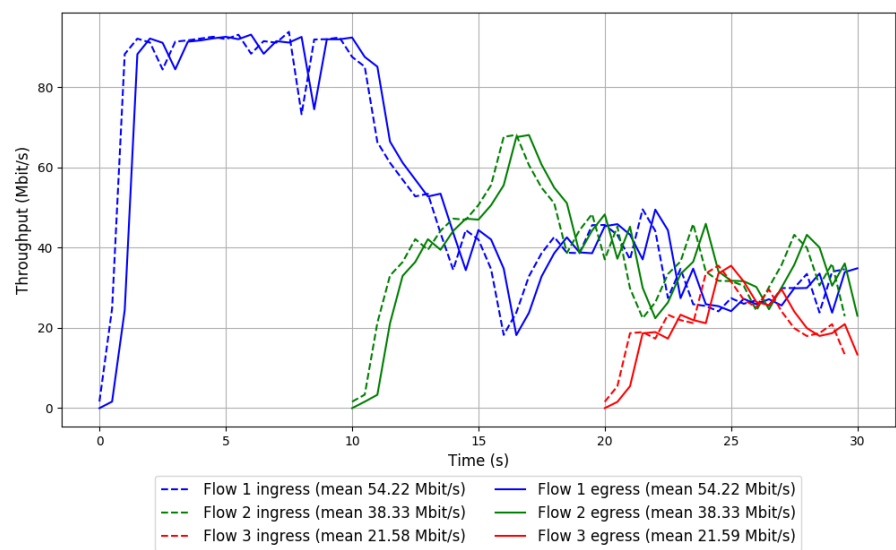


Run 1: Statistics of PCC-Vivace

Start at: 2018-06-05 11:40:58
End at: 2018-06-05 11:41:28
Local clock offset: -5.385 ms
Remote clock offset: -6.751 ms

Below is generated by plot.py at 2018-06-05 14:51:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.84 Mbit/s
95th percentile per-packet one-way delay: 3.267 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.22 Mbit/s
95th percentile per-packet one-way delay: 3.184 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: 3.410 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.59 Mbit/s
95th percentile per-packet one-way delay: 3.101 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

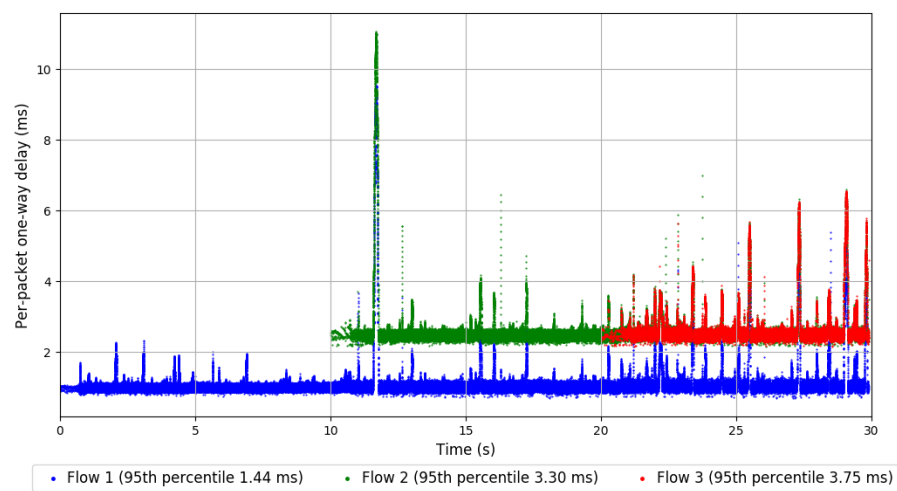
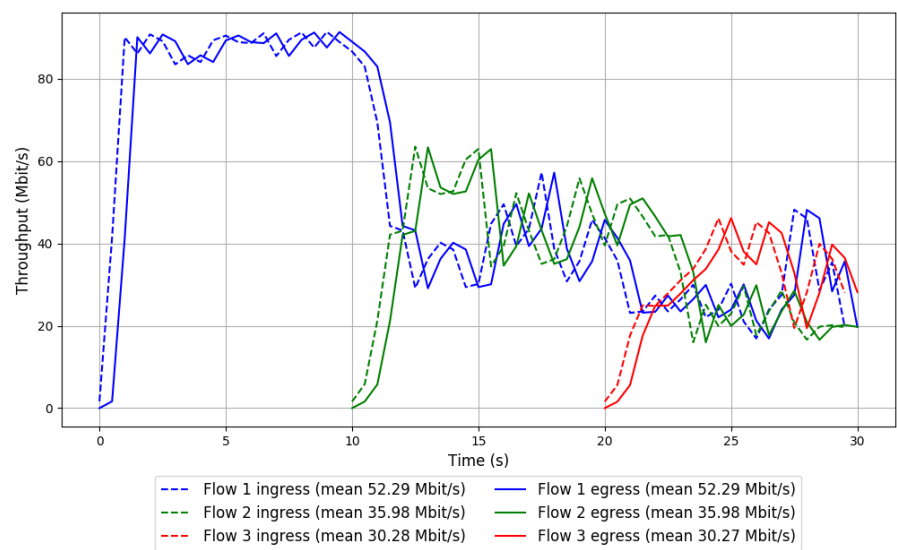


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-05 11:59:02
End at: 2018-06-05 11:59:32
Local clock offset: -5.328 ms
Remote clock offset: -6.642 ms

Below is generated by plot.py at 2018-06-05 14:51:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.21 Mbit/s
95th percentile per-packet one-way delay: 2.803 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.29 Mbit/s
95th percentile per-packet one-way delay: 1.442 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.98 Mbit/s
95th percentile per-packet one-way delay: 3.304 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.27 Mbit/s
95th percentile per-packet one-way delay: 3.749 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

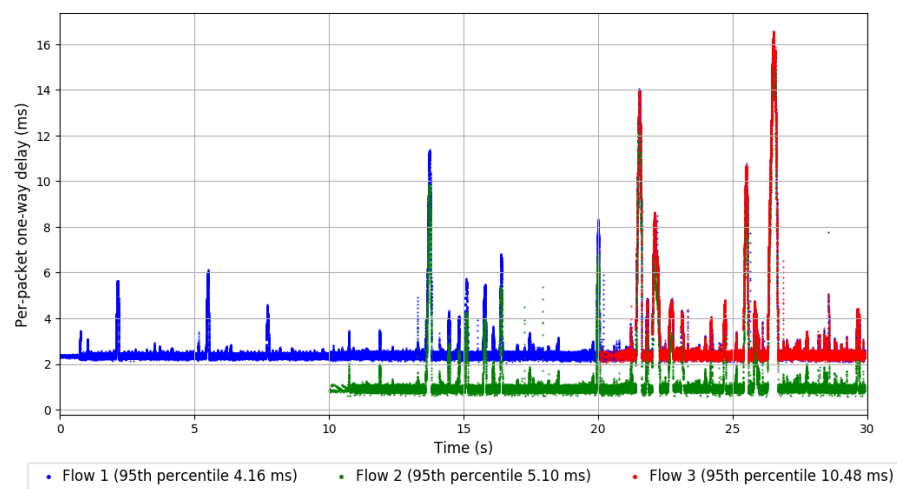
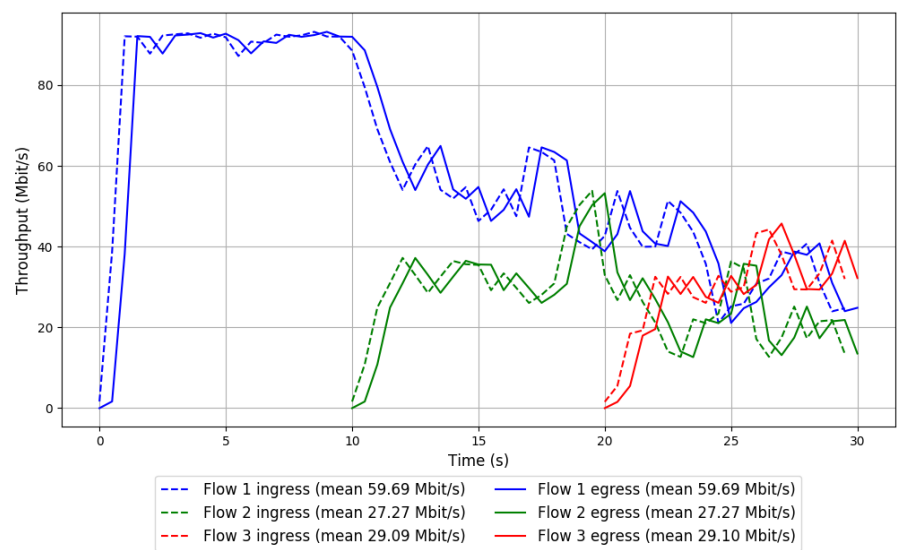


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-05 12:17:05
End at: 2018-06-05 12:17:35
Local clock offset: -5.828 ms
Remote clock offset: -6.539 ms

Below is generated by plot.py at 2018-06-05 14:51:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.44 Mbit/s
95th percentile per-packet one-way delay: 4.783 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.69 Mbit/s
95th percentile per-packet one-way delay: 4.158 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.27 Mbit/s
95th percentile per-packet one-way delay: 5.101 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.10 Mbit/s
95th percentile per-packet one-way delay: 10.479 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-06-05 12:35:09

End at: 2018-06-05 12:35:39

Local clock offset: -5.995 ms

Remote clock offset: 1.265 ms

Below is generated by plot.py at 2018-06-05 14:51:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.29 Mbit/s

95th percentile per-packet one-way delay: 2.336 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 50.22 Mbit/s

95th percentile per-packet one-way delay: 1.384 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.82 Mbit/s

95th percentile per-packet one-way delay: 2.228 ms

Loss rate: 0.00%

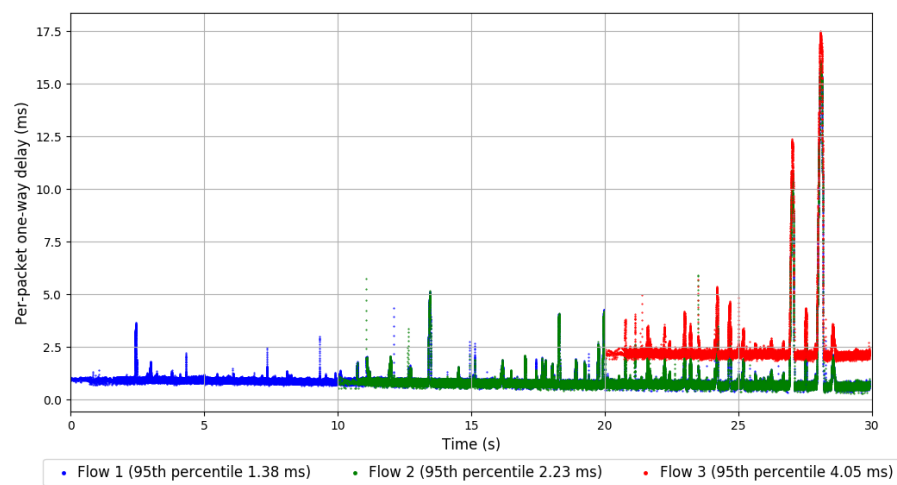
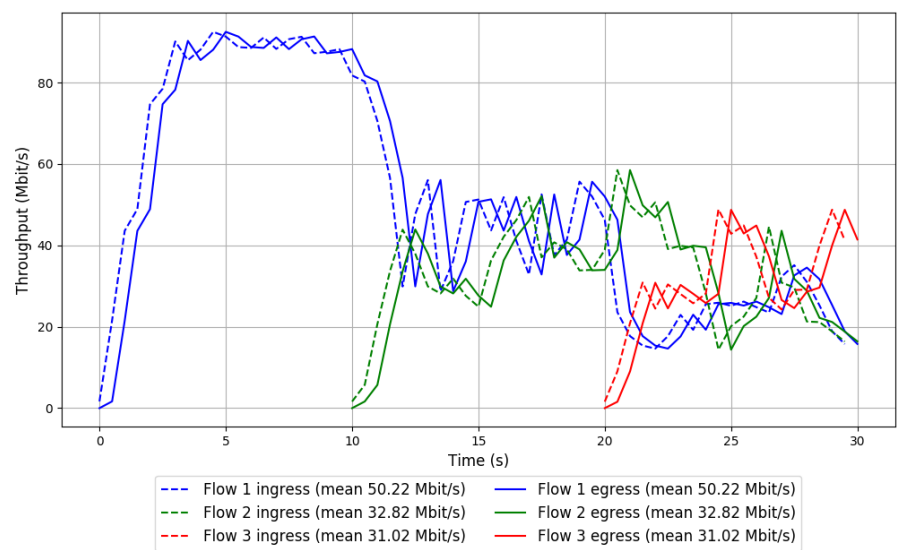
-- Flow 3:

Average throughput: 31.02 Mbit/s

95th percentile per-packet one-way delay: 4.048 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-05 12:53:11

End at: 2018-06-05 12:53:41

Local clock offset: -5.569 ms

Remote clock offset: 9.472 ms

Below is generated by plot.py at 2018-06-05 14:51:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.93 Mbit/s

95th percentile per-packet one-way delay: 3.434 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 46.23 Mbit/s

95th percentile per-packet one-way delay: 1.641 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.91 Mbit/s

95th percentile per-packet one-way delay: 4.336 ms

Loss rate: 0.00%

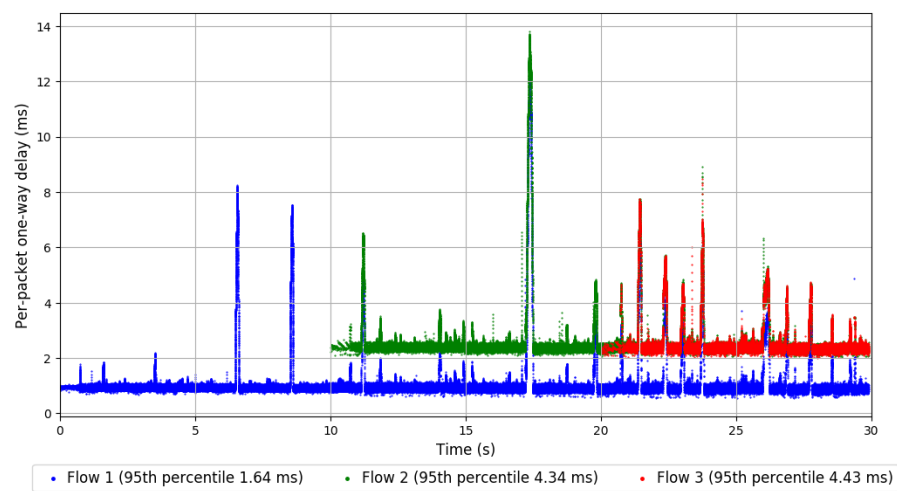
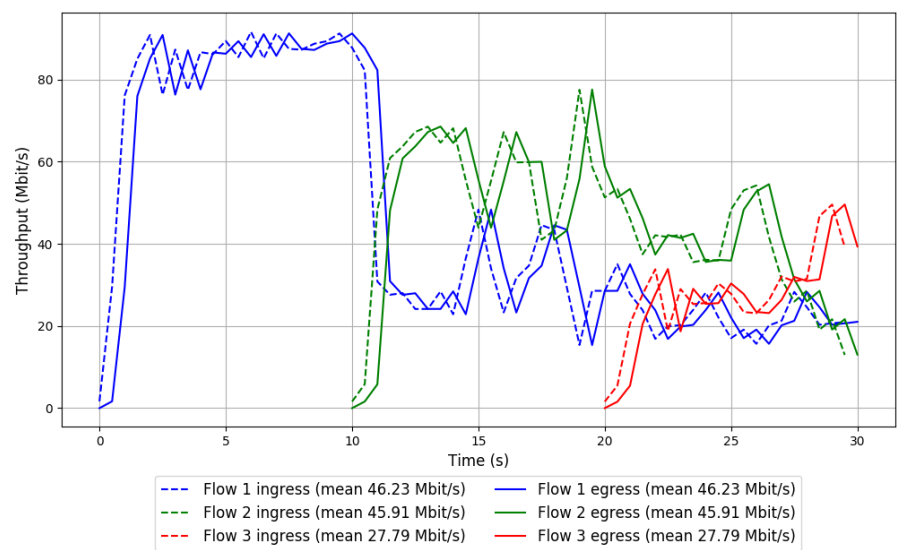
-- Flow 3:

Average throughput: 27.79 Mbit/s

95th percentile per-packet one-way delay: 4.429 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

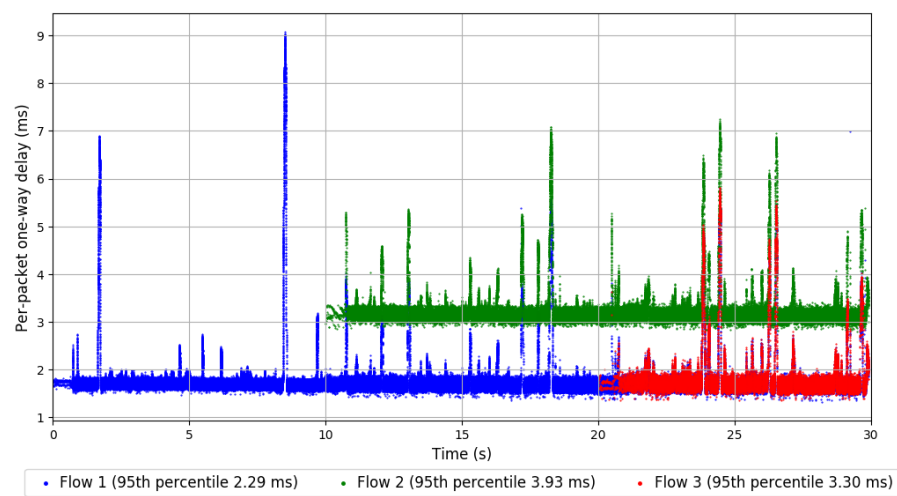
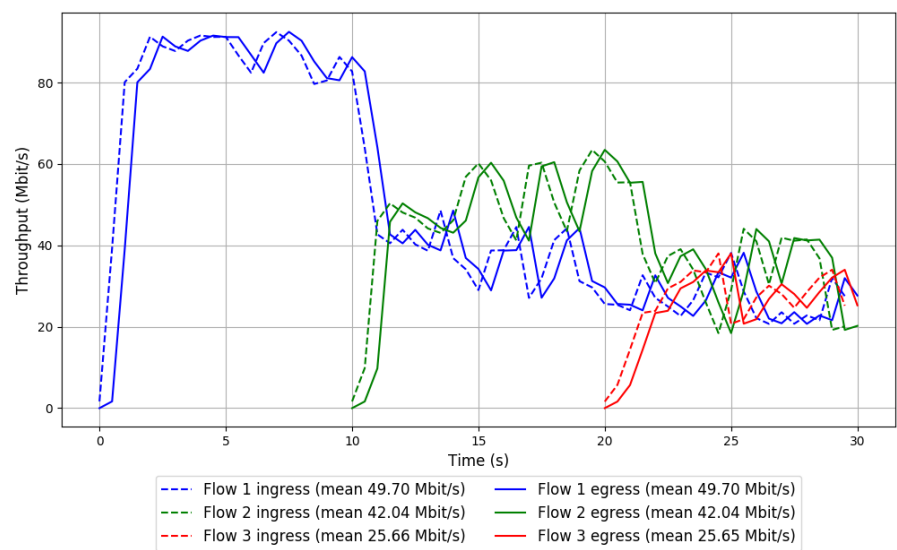


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-05 13:11:15
End at: 2018-06-05 13:11:45
Local clock offset: -6.472 ms
Remote clock offset: 13.246 ms

Below is generated by plot.py at 2018-06-05 14:51:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.15 Mbit/s
95th percentile per-packet one-way delay: 3.418 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.70 Mbit/s
95th percentile per-packet one-way delay: 2.294 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.04 Mbit/s
95th percentile per-packet one-way delay: 3.928 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.65 Mbit/s
95th percentile per-packet one-way delay: 3.299 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-06-05 13:29:18

End at: 2018-06-05 13:29:48

Local clock offset: -5.144 ms

Remote clock offset: 16.42 ms

Below is generated by plot.py at 2018-06-05 14:51:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.63 Mbit/s

95th percentile per-packet one-way delay: 1.838 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 47.40 Mbit/s

95th percentile per-packet one-way delay: 0.492 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 44.27 Mbit/s

95th percentile per-packet one-way delay: 2.450 ms

Loss rate: 0.00%

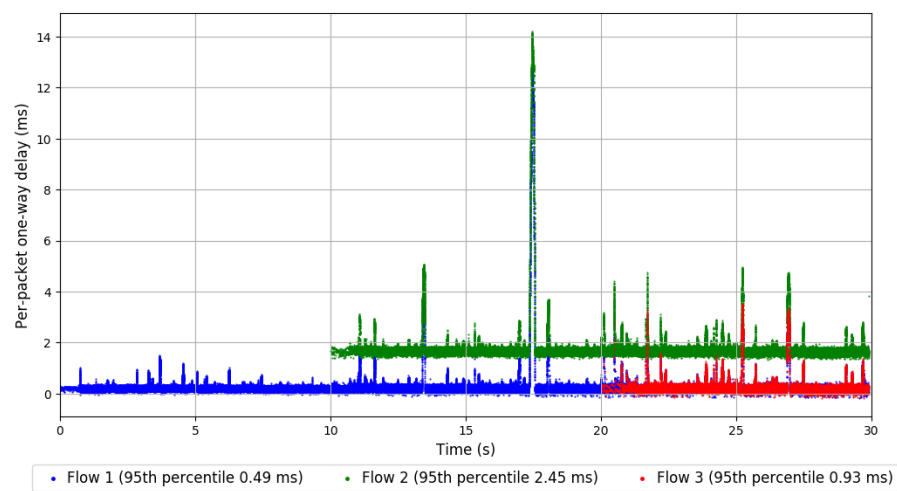
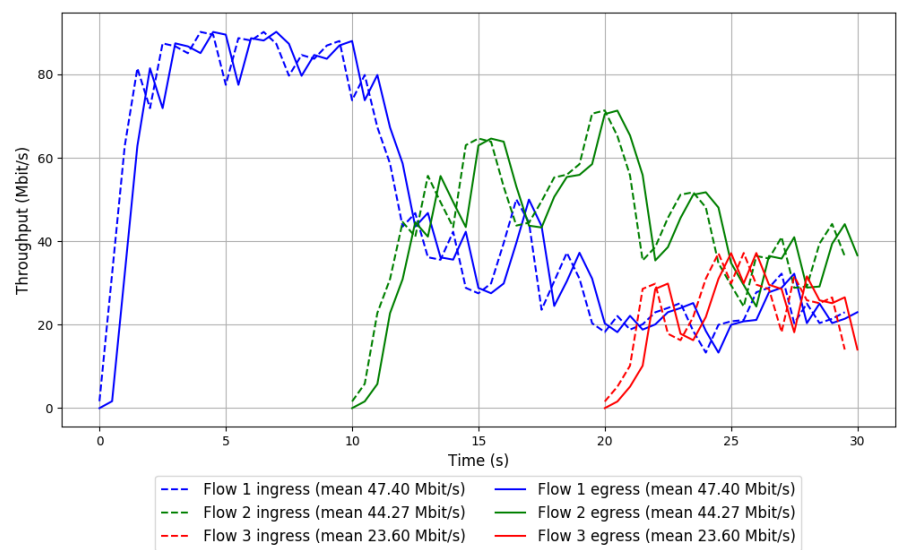
-- Flow 3:

Average throughput: 23.60 Mbit/s

95th percentile per-packet one-way delay: 0.925 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

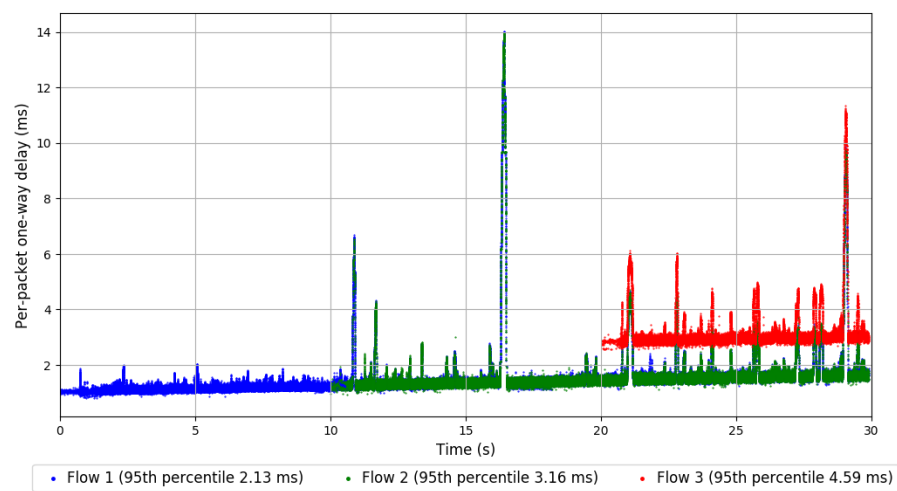
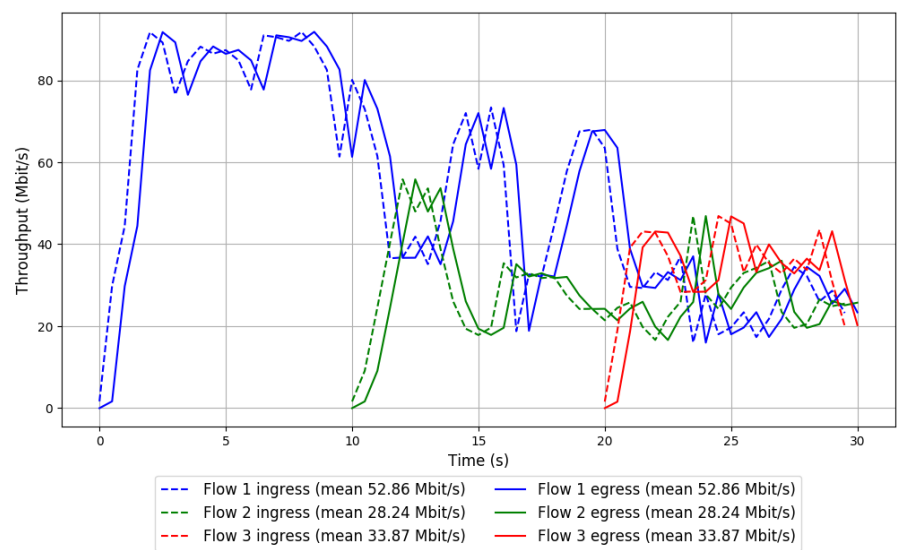


Run 8: Statistics of PCC-Vivace

Start at: 2018-06-05 13:47:18
End at: 2018-06-05 13:47:48
Local clock offset: -5.886 ms
Remote clock offset: -2.288 ms

Below is generated by plot.py at 2018-06-05 14:51:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.83 Mbit/s
95th percentile per-packet one-way delay: 3.203 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.86 Mbit/s
95th percentile per-packet one-way delay: 2.130 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.24 Mbit/s
95th percentile per-packet one-way delay: 3.160 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.87 Mbit/s
95th percentile per-packet one-way delay: 4.589 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

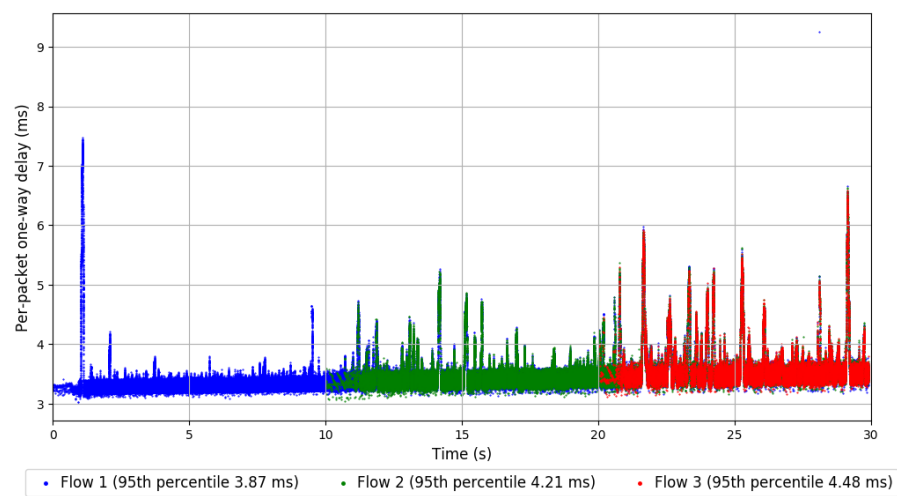
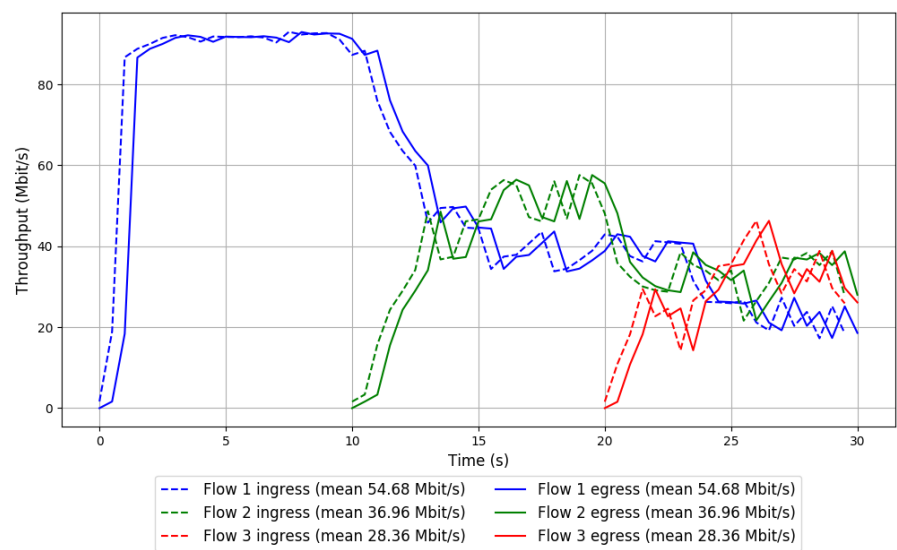


Run 9: Statistics of PCC-Vivace

Start at: 2018-06-05 14:05:21
End at: 2018-06-05 14:05:51
Local clock offset: -6.706 ms
Remote clock offset: -13.484 ms

Below is generated by plot.py at 2018-06-05 14:51:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.63 Mbit/s
95th percentile per-packet one-way delay: 4.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.68 Mbit/s
95th percentile per-packet one-way delay: 3.866 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 4.205 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.36 Mbit/s
95th percentile per-packet one-way delay: 4.481 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-05 14:23:24

End at: 2018-06-05 14:23:54

Local clock offset: -5.803 ms

Remote clock offset: -19.209 ms

Below is generated by plot.py at 2018-06-05 14:51:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.16 Mbit/s

95th percentile per-packet one-way delay: 2.951 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.46 Mbit/s

95th percentile per-packet one-way delay: 3.027 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 27.67 Mbit/s

95th percentile per-packet one-way delay: 2.663 ms

Loss rate: 0.00%

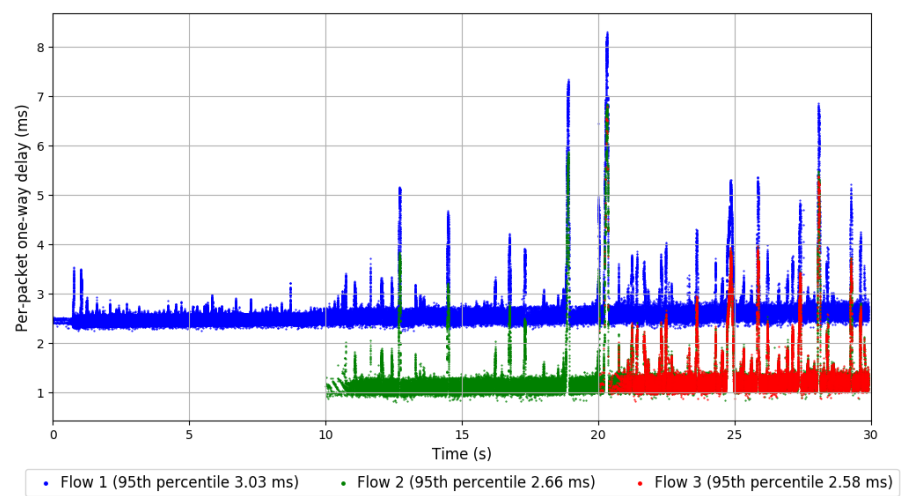
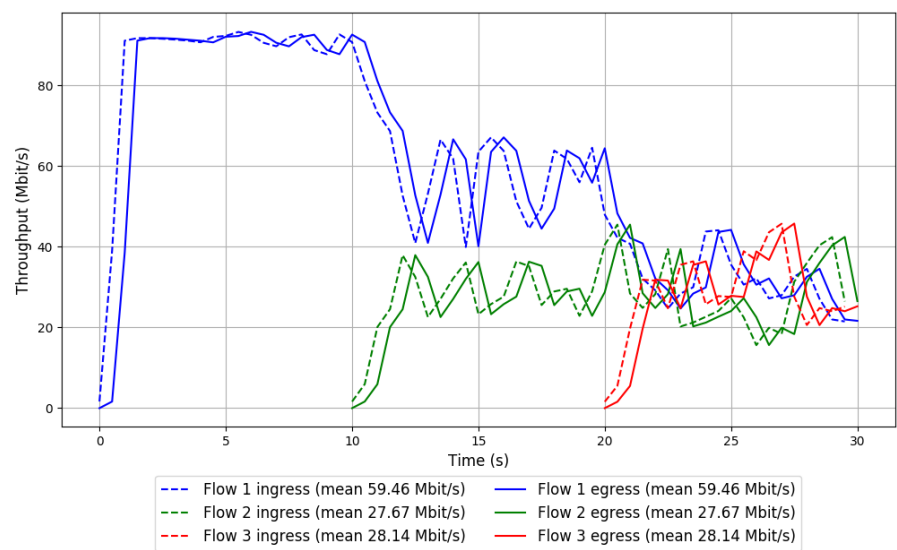
-- Flow 3:

Average throughput: 28.14 Mbit/s

95th percentile per-packet one-way delay: 2.581 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

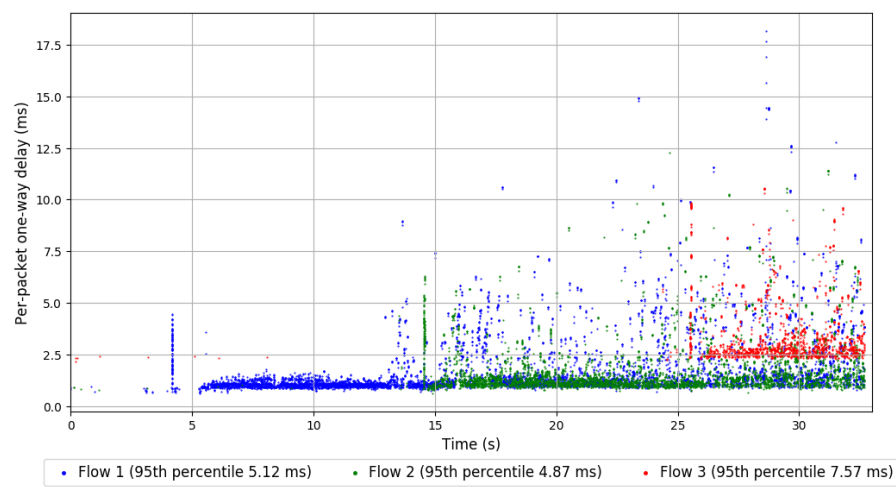
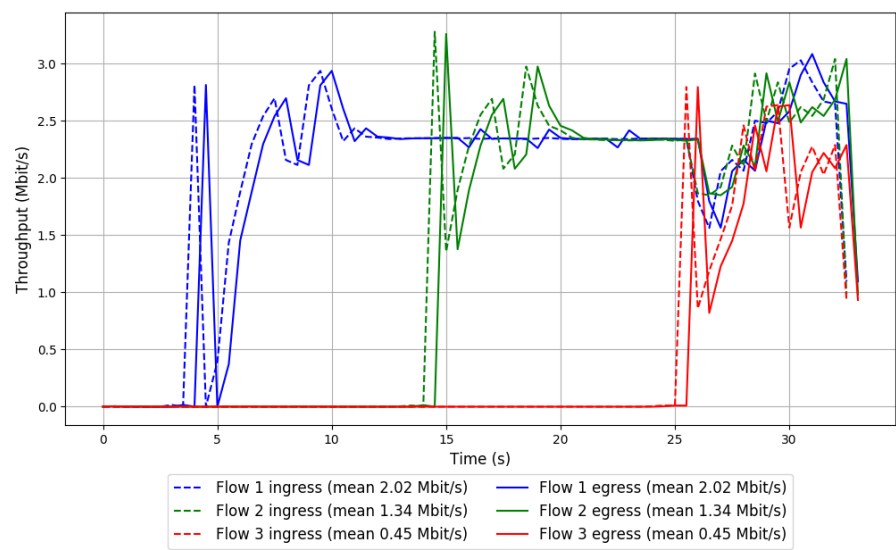


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-05 11:29:46
End at: 2018-06-05 11:30:16
Local clock offset: -5.321 ms
Remote clock offset: -7.013 ms

# Below is generated by plot.py at 2018-06-05 14:51:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 5.371 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 5.124 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 4.869 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 7.574 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

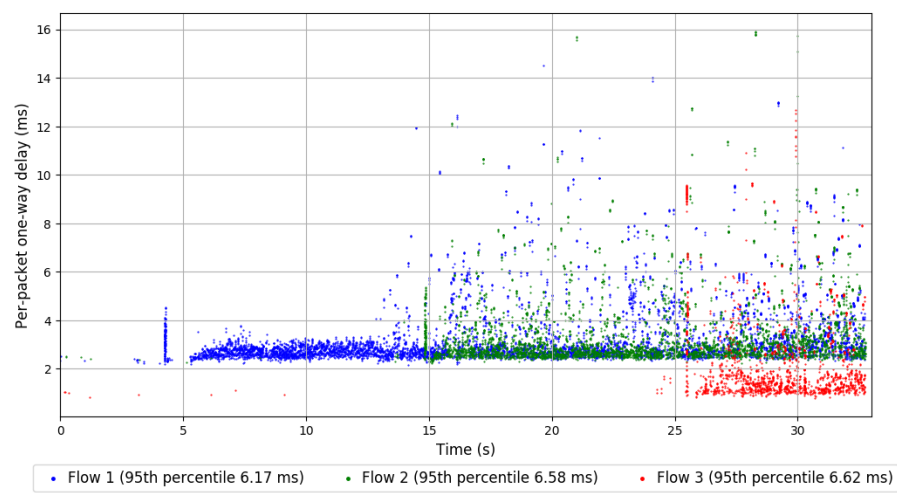
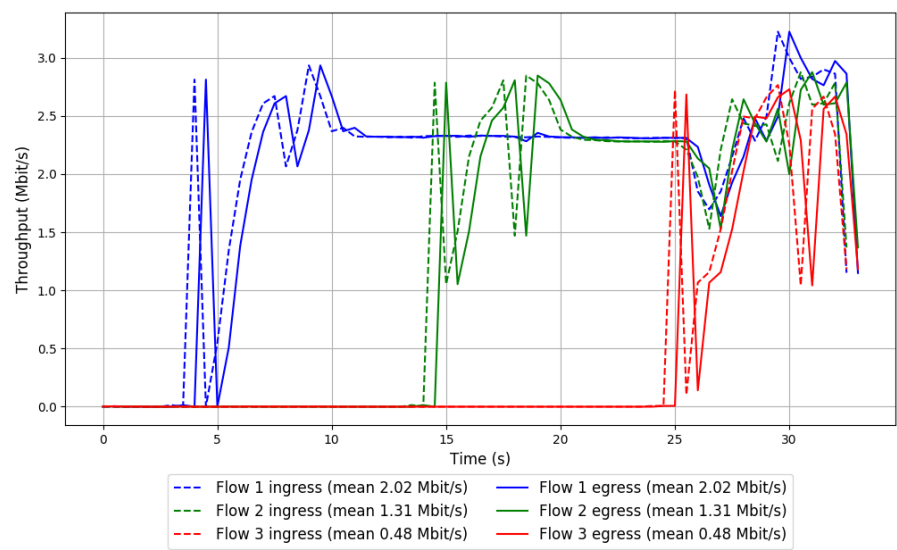


Run 2: Statistics of WebRTC media

Start at: 2018-06-05 11:47:50
End at: 2018-06-05 11:48:20
Local clock offset: -5.372 ms
Remote clock offset: -6.692 ms

Below is generated by plot.py at 2018-06-05 14:51:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 6.326 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 6.165 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 6.580 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 6.617 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

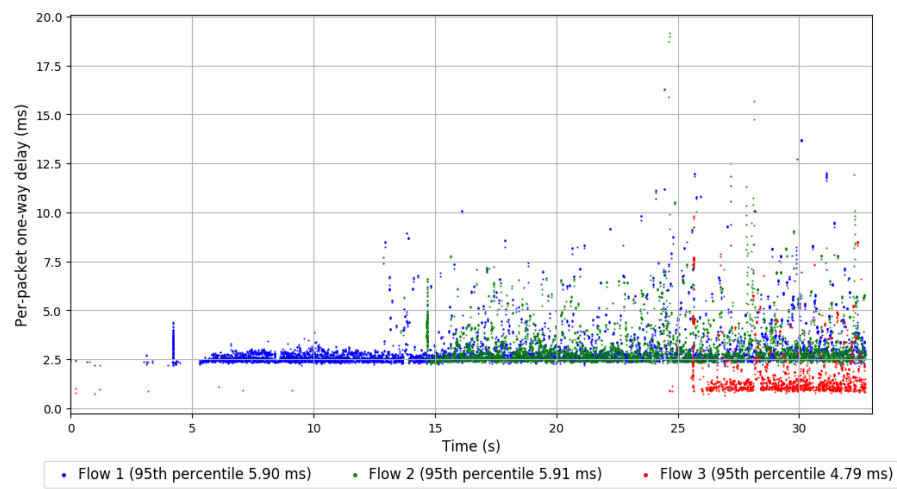
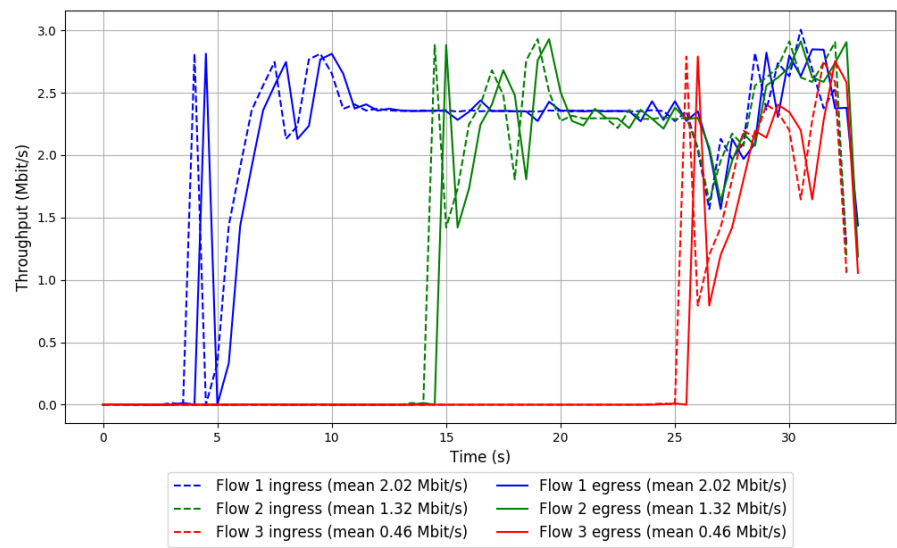


Run 3: Statistics of WebRTC media

Start at: 2018-06-05 12:05:53
End at: 2018-06-05 12:06:23
Local clock offset: -5.342 ms
Remote clock offset: -6.556 ms

Below is generated by plot.py at 2018-06-05 14:51:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 5.813 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 5.899 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 5.912 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 4.790 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

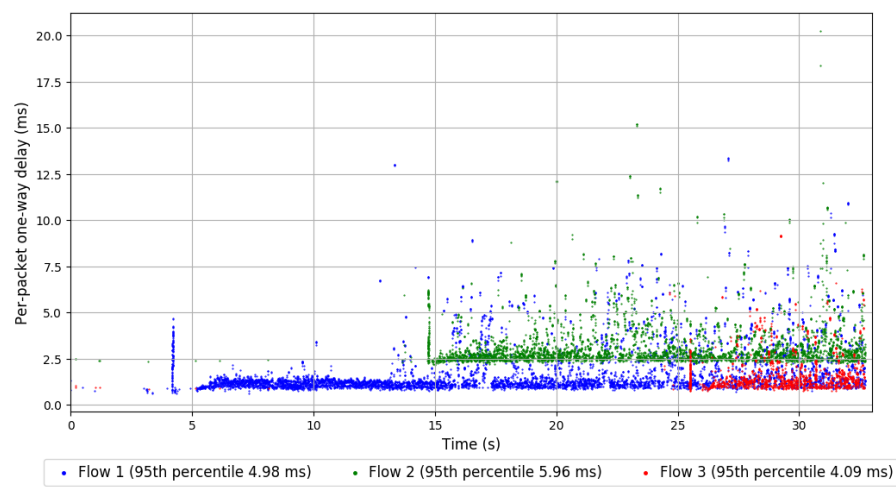
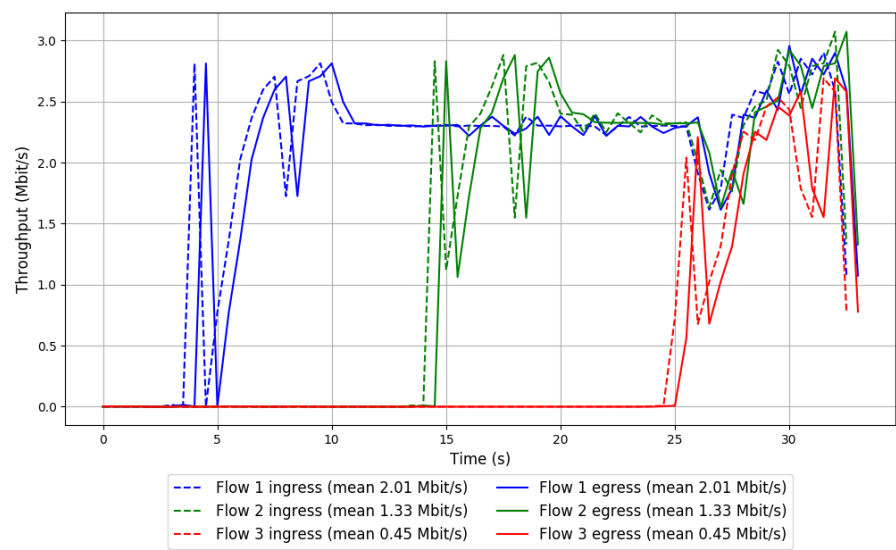


Run 4: Statistics of WebRTC media

Start at: 2018-06-05 12:23:56
End at: 2018-06-05 12:24:26
Local clock offset: -5.943 ms
Remote clock offset: -6.502 ms

Below is generated by plot.py at 2018-06-05 14:51:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 5.288 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 4.982 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 5.955 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 4.091 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-06-05 12:41:59

End at: 2018-06-05 12:42:29

Local clock offset: -6.578 ms

Remote clock offset: 5.582 ms

Below is generated by plot.py at 2018-06-05 14:51:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.76 Mbit/s

95th percentile per-packet one-way delay: 5.588 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 4.530 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 6.208 ms

Loss rate: 0.00%

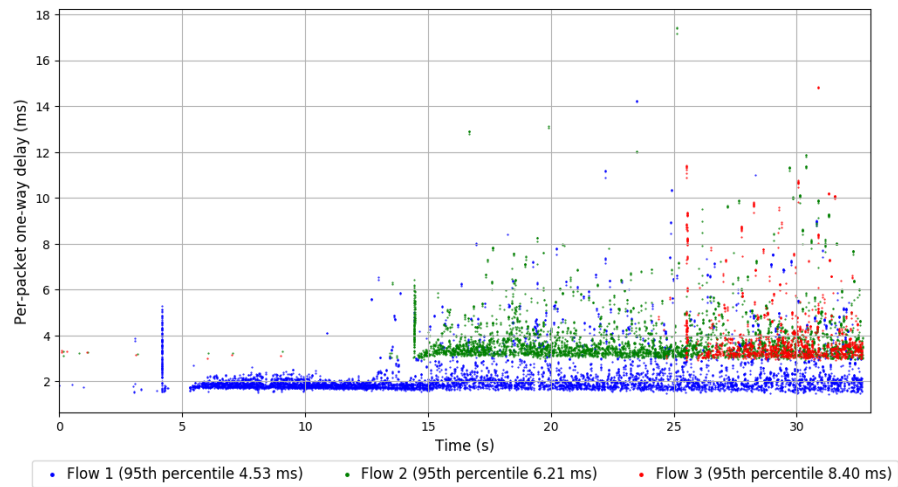
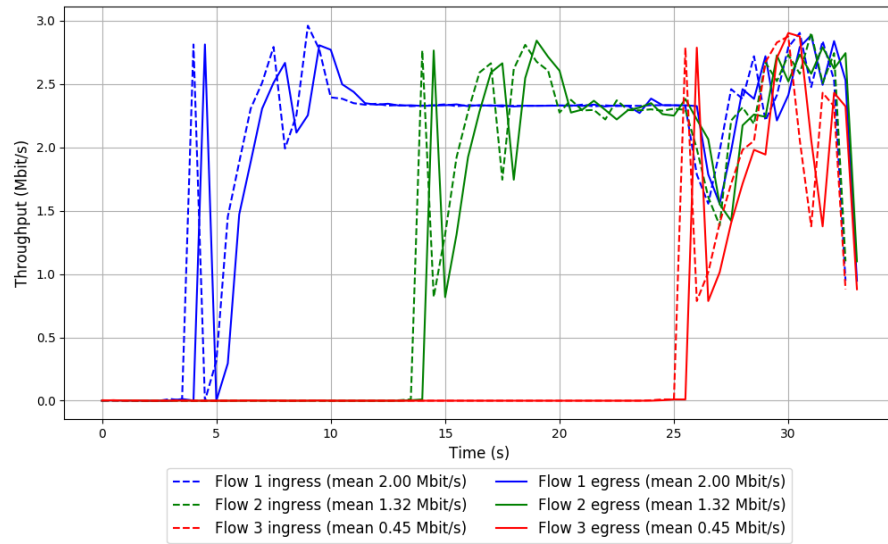
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 8.403 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

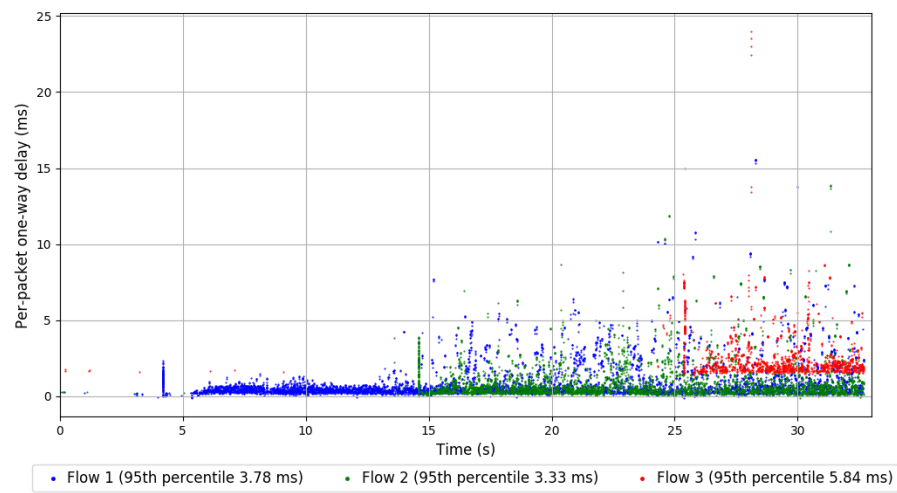
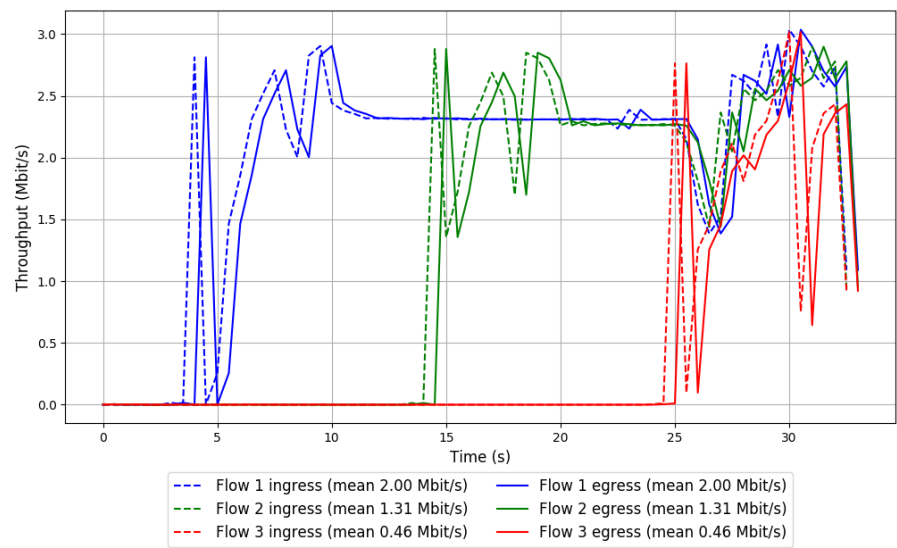


Run 6: Statistics of WebRTC media

Start at: 2018-06-05 13:00:02
End at: 2018-06-05 13:00:32
Local clock offset: -4.761 ms
Remote clock offset: 11.029 ms

Below is generated by plot.py at 2018-06-05 14:51:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 4.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 3.779 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 3.325 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 5.836 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

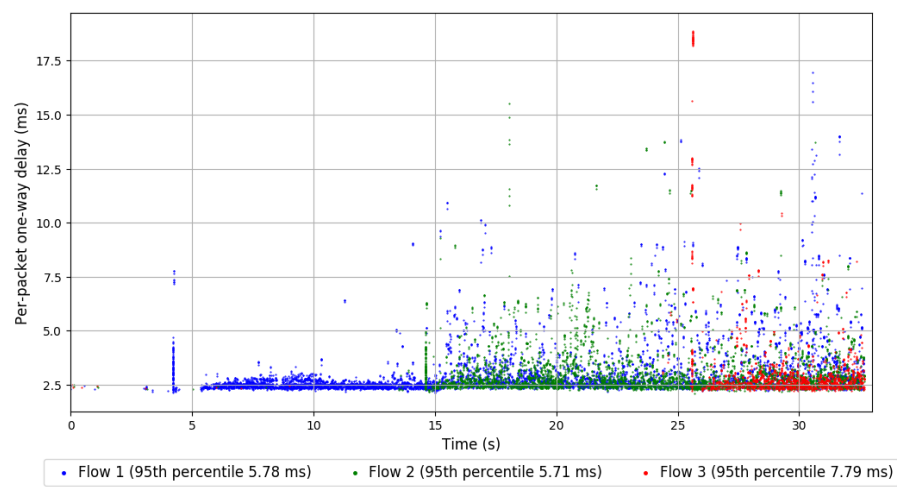
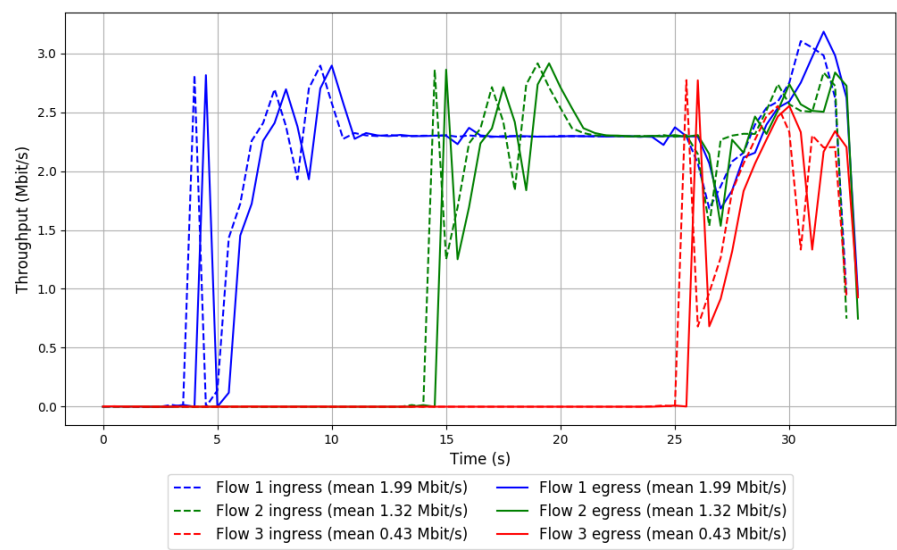


Run 7: Statistics of WebRTC media

Start at: 2018-06-05 13:18:05
End at: 2018-06-05 13:18:35
Local clock offset: -5.8 ms
Remote clock offset: 14.422 ms

Below is generated by plot.py at 2018-06-05 14:51:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.73 Mbit/s
95th percentile per-packet one-way delay: 5.861 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 5.782 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 5.705 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 7.790 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

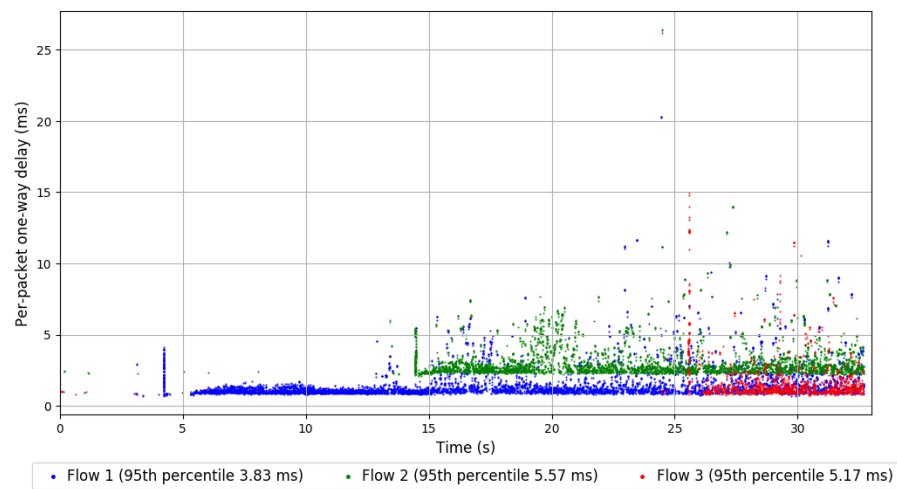
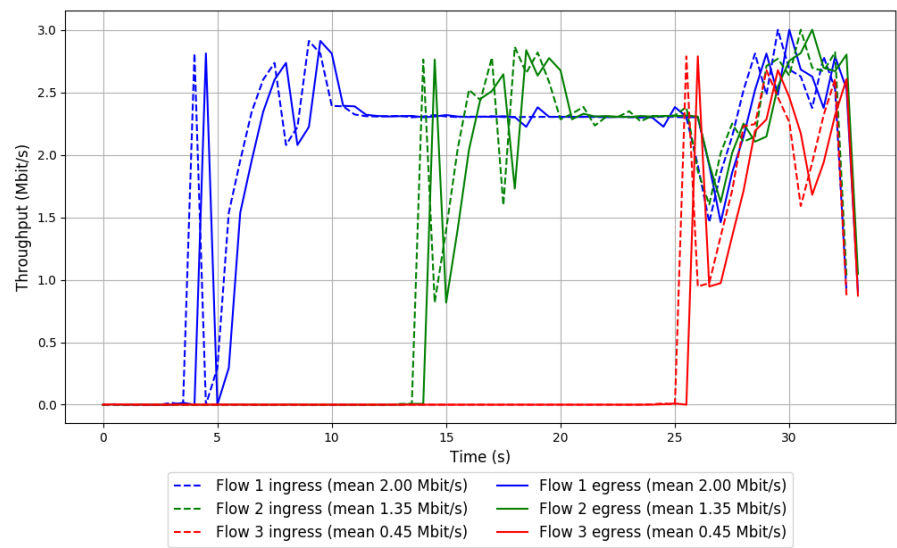


Run 8: Statistics of WebRTC media

Start at: 2018-06-05 13:36:08
End at: 2018-06-05 13:36:38
Local clock offset: -5.947 ms
Remote clock offset: 17.474 ms

Below is generated by plot.py at 2018-06-05 14:51:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.78 Mbit/s
95th percentile per-packet one-way delay: 5.013 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 3.832 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 5.570 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 5.165 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

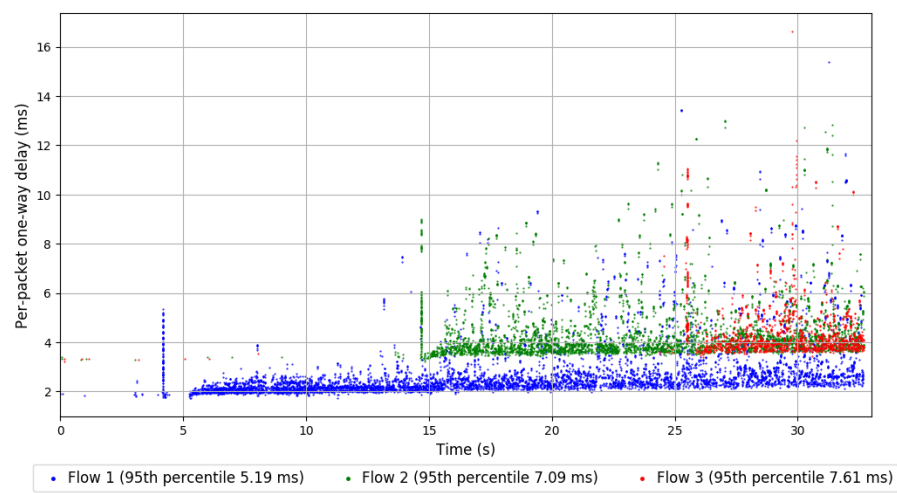
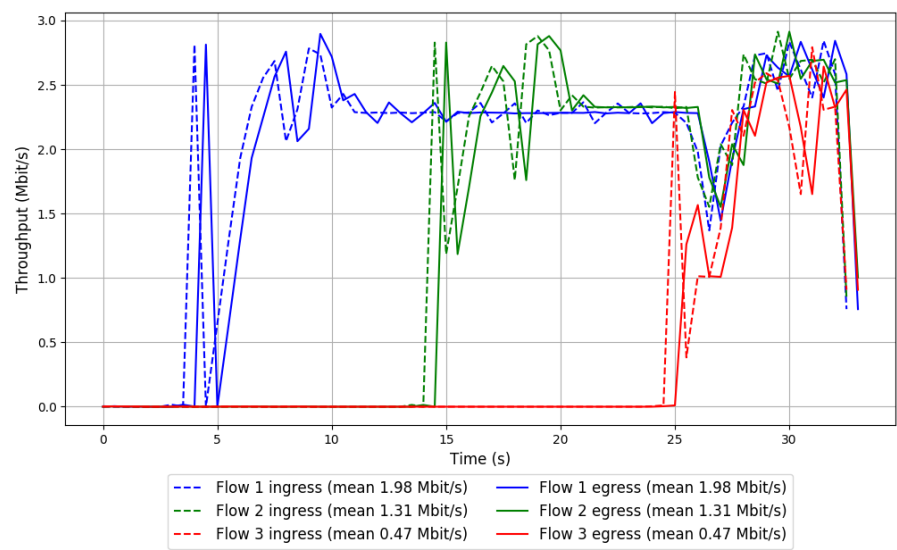


Run 9: Statistics of WebRTC media

Start at: 2018-06-05 13:54:09
End at: 2018-06-05 13:54:39
Local clock offset: -6.726 ms
Remote clock offset: -8.064 ms

Below is generated by plot.py at 2018-06-05 14:51:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 6.314 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 5.193 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 7.092 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 7.607 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-05 14:12:13
End at: 2018-06-05 14:12:43
Local clock offset: -5.907 ms
Remote clock offset: -15.854 ms

Below is generated by plot.py at 2018-06-05 14:51:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.74 Mbit/s
95th percentile per-packet one-way delay: 4.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 4.500 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 4.520 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 5.078 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

