

Pantheon Report

Generated at 2018-06-06 06:24:39 (UTC).

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

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.

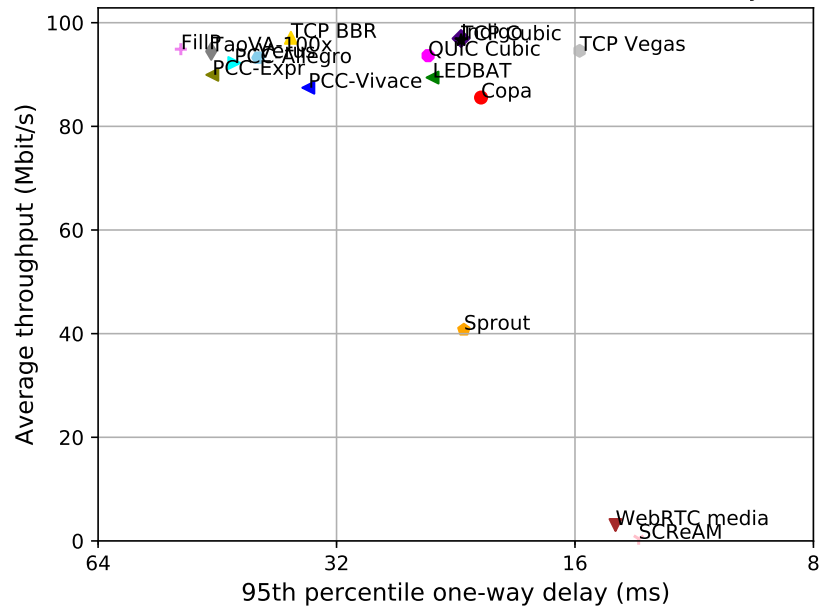
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

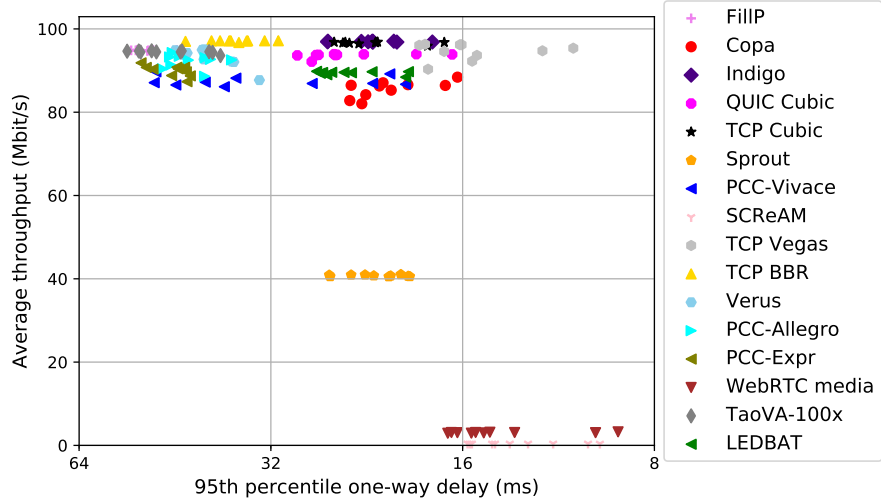
Git summary:

```
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-quirk @ 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 India to AWS India 1, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



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



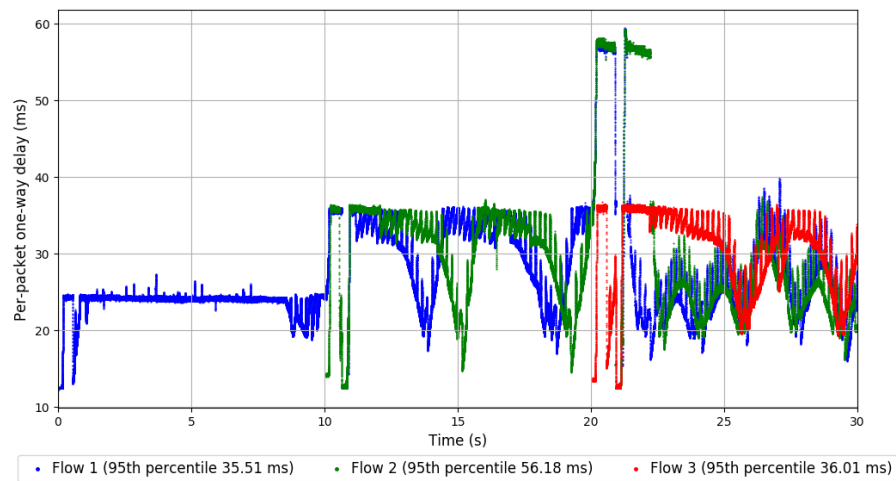
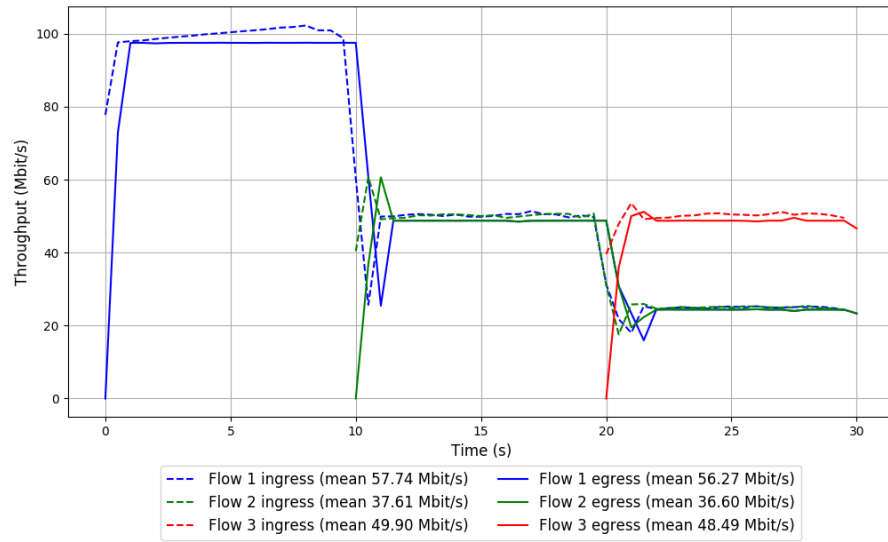
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	58.72	41.55	32.25	35.94	40.13	50.63	2.89	3.15	3.19
Copa	10	52.13	36.05	28.38	21.09	20.61	21.78	0.05	0.10	0.30
TCP Cubic	10	59.18	42.10	28.36	22.08	22.36	23.03	0.07	0.13	0.32
FillP	10	57.76	41.62	28.47	46.66	42.77	49.37	1.55	3.08	3.33
Indigo	10	58.11	42.14	33.00	19.73	21.93	21.51	0.06	0.27	0.42
LEDBAT	10	52.72	38.70	32.93	23.69	25.03	25.68	0.08	0.15	0.38
PCC-Allegro	10	58.63	39.51	22.30	42.06	35.90	30.85	2.69	1.67	0.79
PCC-Expr	10	56.19	35.71	30.35	39.43	45.62	42.99	0.41	0.86	0.85
QUIC Cubic	10	56.09	38.73	35.77	24.41	24.53	34.17	0.10	0.21	0.44
SCReAM	10	0.21	0.21	0.22	13.30	13.29	13.29	0.07	0.19	0.36
Sprout	10	20.71	20.35	19.79	21.34	22.26	23.73	0.13	0.20	0.26
TaoVA-100x	10	58.43	39.01	30.32	40.58	44.48	44.72	0.40	0.94	2.25
TCP Vegas	10	56.37	40.17	34.51	15.62	15.62	16.19	0.05	0.11	0.27
Verus	10	56.34	40.48	30.04	37.34	42.04	48.26	0.19	0.29	0.60
PCC-Vivace	10	57.49	32.80	24.74	32.40	37.91	36.05	0.48	0.63	0.63
WebRTC media	10	1.64	1.02	0.43	14.15	14.23	14.39	0.03	0.14	0.27

Run 1: Statistics of TCP BBR

Start at: 2018-06-06 03:02:18
End at: 2018-06-06 03:02:48
Local clock offset: -3.001 ms
Remote clock offset: -1.474 ms

Below is generated by plot.py at 2018-06-06 06:03:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 35.922 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 35.511 ms
Loss rate: 2.63%
-- Flow 2:
Average throughput: 36.60 Mbit/s
95th percentile per-packet one-way delay: 56.176 ms
Loss rate: 2.80%
-- Flow 3:
Average throughput: 48.49 Mbit/s
95th percentile per-packet one-way delay: 36.011 ms
Loss rate: 3.09%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-06-06 03:21:12

End at: 2018-06-06 03:21:42

Local clock offset: -1.407 ms

Remote clock offset: 0.15 ms

Below is generated by plot.py at 2018-06-06 06:03:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.15 Mbit/s

95th percentile per-packet one-way delay: 37.191 ms

Loss rate: 2.81%

-- Flow 1:

Average throughput: 59.01 Mbit/s

95th percentile per-packet one-way delay: 36.680 ms

Loss rate: 2.59%

-- Flow 2:

Average throughput: 40.86 Mbit/s

95th percentile per-packet one-way delay: 39.144 ms

Loss rate: 3.20%

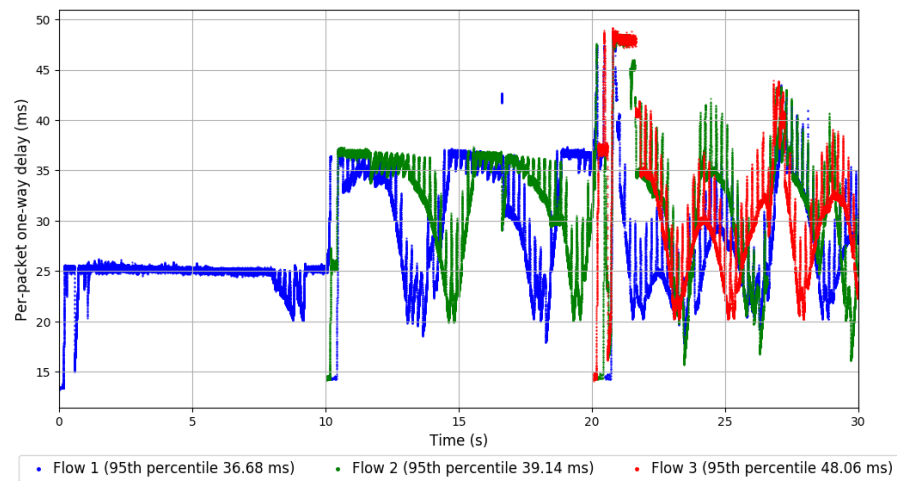
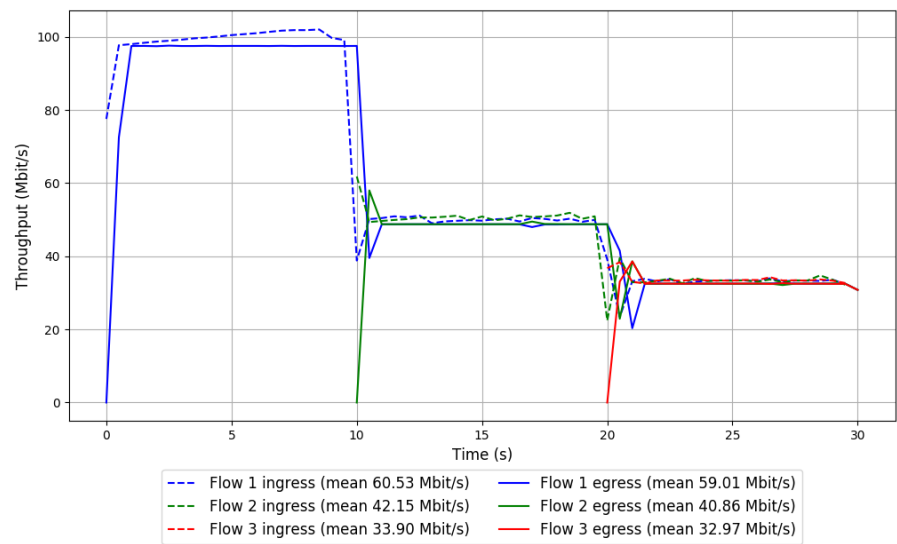
-- Flow 3:

Average throughput: 32.97 Mbit/s

95th percentile per-packet one-way delay: 48.060 ms

Loss rate: 3.02%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-06-06 03:39:57

End at: 2018-06-06 03:40:27

Local clock offset: -1.164 ms

Remote clock offset: 1.077 ms

Below is generated by plot.py at 2018-06-06 06:03:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.15 Mbit/s

95th percentile per-packet one-way delay: 38.452 ms

Loss rate: 3.14%

-- Flow 1:

Average throughput: 64.11 Mbit/s

95th percentile per-packet one-way delay: 37.927 ms

Loss rate: 3.14%

-- Flow 2:

Average throughput: 37.02 Mbit/s

95th percentile per-packet one-way delay: 42.855 ms

Loss rate: 3.15%

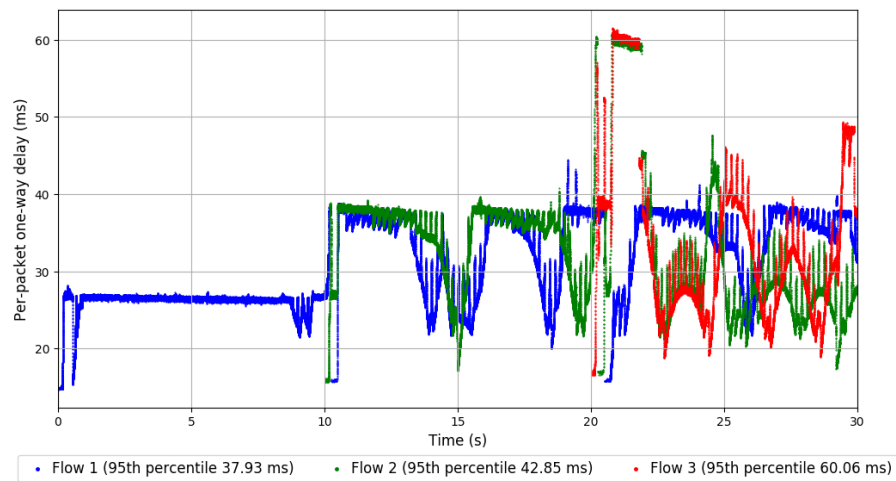
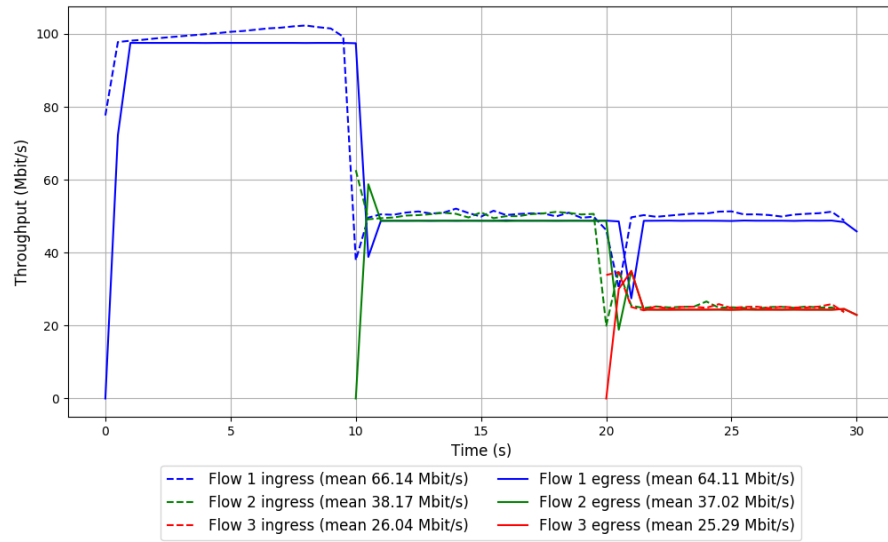
-- Flow 3:

Average throughput: 25.29 Mbit/s

95th percentile per-packet one-way delay: 60.061 ms

Loss rate: 3.10%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-06-06 03:58:42

End at: 2018-06-06 03:59:12

Local clock offset: -3.026 ms

Remote clock offset: 2.906 ms

Below is generated by plot.py at 2018-06-06 06:03:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.16 Mbit/s

95th percentile per-packet one-way delay: 36.995 ms

Loss rate: 3.14%

-- Flow 1:

Average throughput: 56.48 Mbit/s

95th percentile per-packet one-way delay: 36.835 ms

Loss rate: 3.00%

-- Flow 2:

Average throughput: 48.50 Mbit/s

95th percentile per-packet one-way delay: 36.953 ms

Loss rate: 3.37%

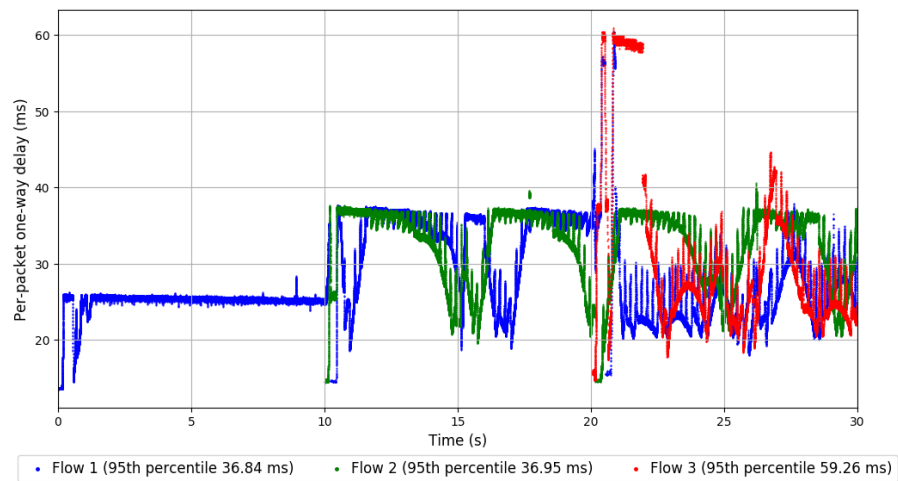
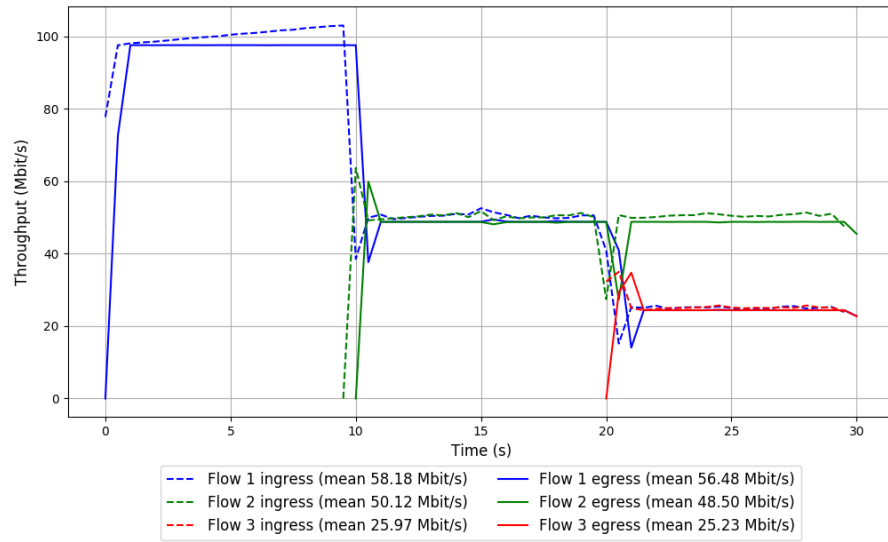
-- Flow 3:

Average throughput: 25.23 Mbit/s

95th percentile per-packet one-way delay: 59.263 ms

Loss rate: 3.14%

Run 4: Report of TCP BBR — Data Link

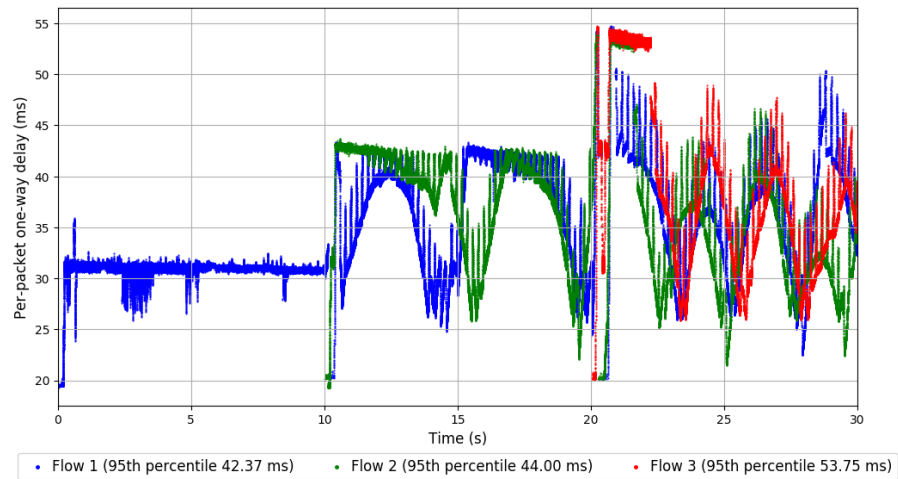
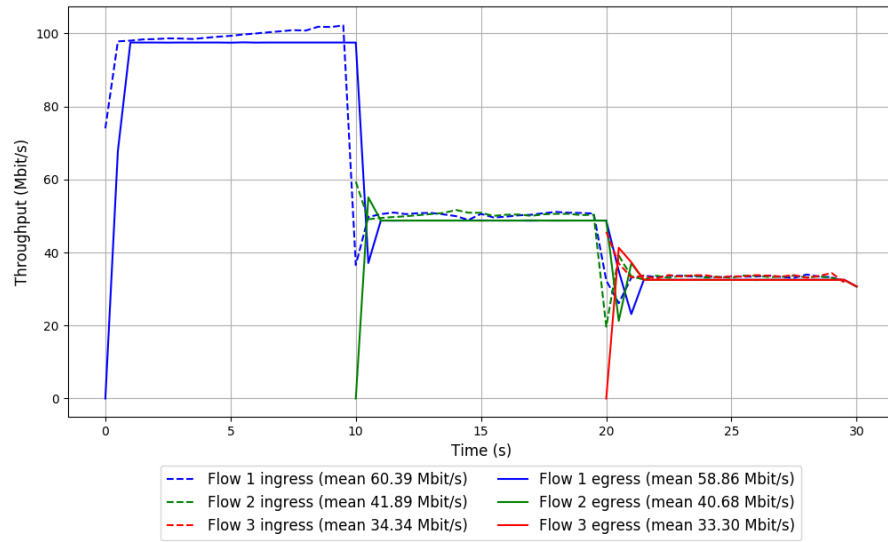


Run 5: Statistics of TCP BBR

Start at: 2018-06-06 04:17:43
End at: 2018-06-06 04:18:13
Local clock offset: 3.064 ms
Remote clock offset: -6.777 ms

Below is generated by plot.py at 2018-06-06 06:03:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 43.568 ms
Loss rate: 2.82%
-- Flow 1:
Average throughput: 58.86 Mbit/s
95th percentile per-packet one-way delay: 42.370 ms
Loss rate: 2.62%
-- Flow 2:
Average throughput: 40.68 Mbit/s
95th percentile per-packet one-way delay: 44.001 ms
Loss rate: 3.02%
-- Flow 3:
Average throughput: 33.30 Mbit/s
95th percentile per-packet one-way delay: 53.747 ms
Loss rate: 3.33%

Run 5: Report of TCP BBR — Data Link

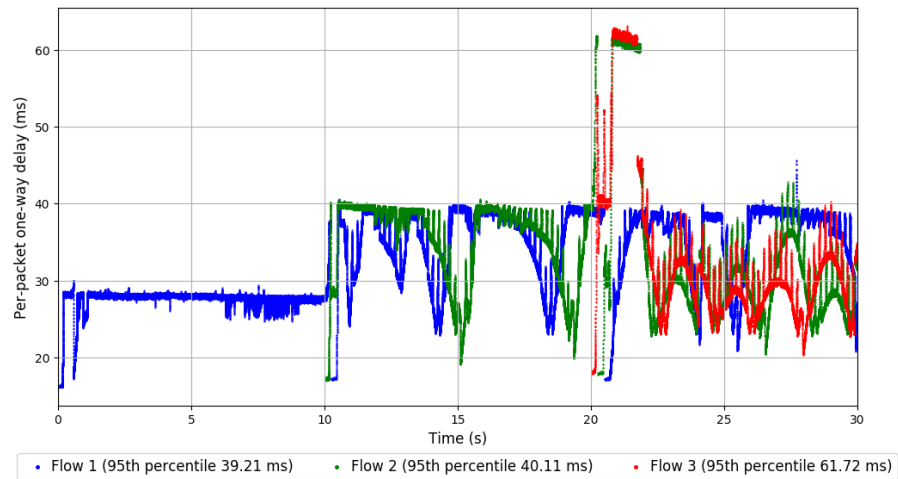
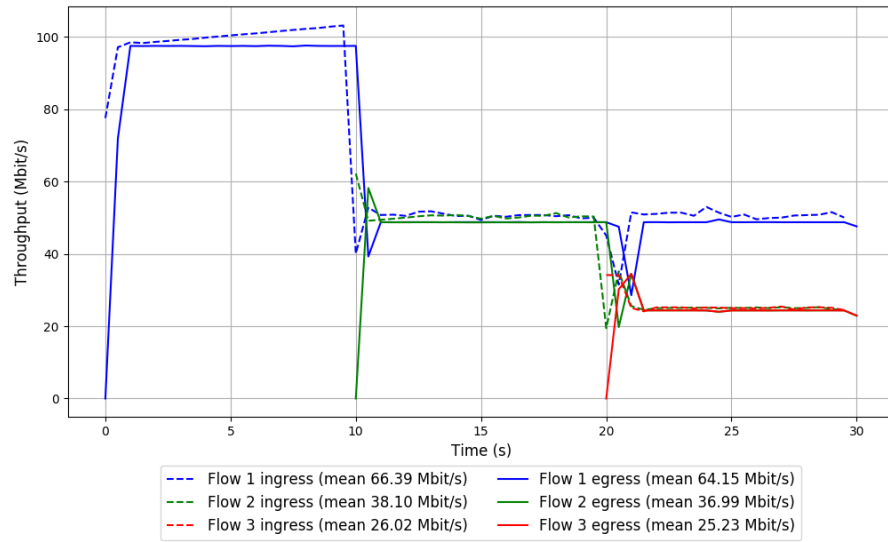


Run 6: Statistics of TCP BBR

Start at: 2018-06-06 04:36:35
End at: 2018-06-06 04:37:05
Local clock offset: 2.95 ms
Remote clock offset: -11.144 ms

Below is generated by plot.py at 2018-06-06 06:03:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 39.660 ms
Loss rate: 3.33%
-- Flow 1:
Average throughput: 64.15 Mbit/s
95th percentile per-packet one-way delay: 39.212 ms
Loss rate: 3.45%
-- Flow 2:
Average throughput: 36.99 Mbit/s
95th percentile per-packet one-way delay: 40.111 ms
Loss rate: 3.04%
-- Flow 3:
Average throughput: 25.23 Mbit/s
95th percentile per-packet one-way delay: 61.722 ms
Loss rate: 3.26%

Run 6: Report of TCP BBR — Data Link

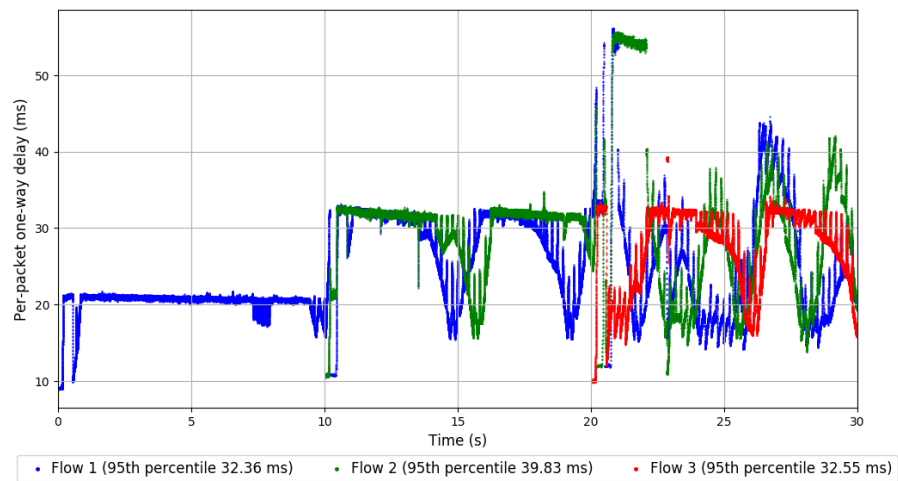
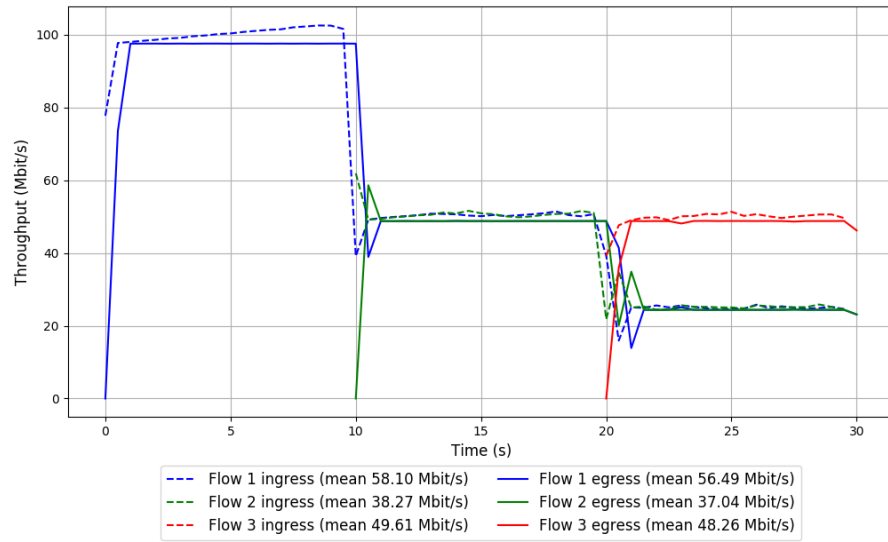


Run 7: Statistics of TCP BBR

Start at: 2018-06-06 04:55:33
End at: 2018-06-06 04:56:03
Local clock offset: -4.389 ms
Remote clock offset: -9.285 ms

Below is generated by plot.py at 2018-06-06 06:03:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 32.732 ms
Loss rate: 3.01%
-- Flow 1:
Average throughput: 56.49 Mbit/s
95th percentile per-packet one-way delay: 32.360 ms
Loss rate: 2.85%
-- Flow 2:
Average throughput: 37.04 Mbit/s
95th percentile per-packet one-way delay: 39.829 ms
Loss rate: 3.37%
-- Flow 3:
Average throughput: 48.26 Mbit/s
95th percentile per-packet one-way delay: 32.547 ms
Loss rate: 2.99%

Run 7: Report of TCP BBR — Data Link

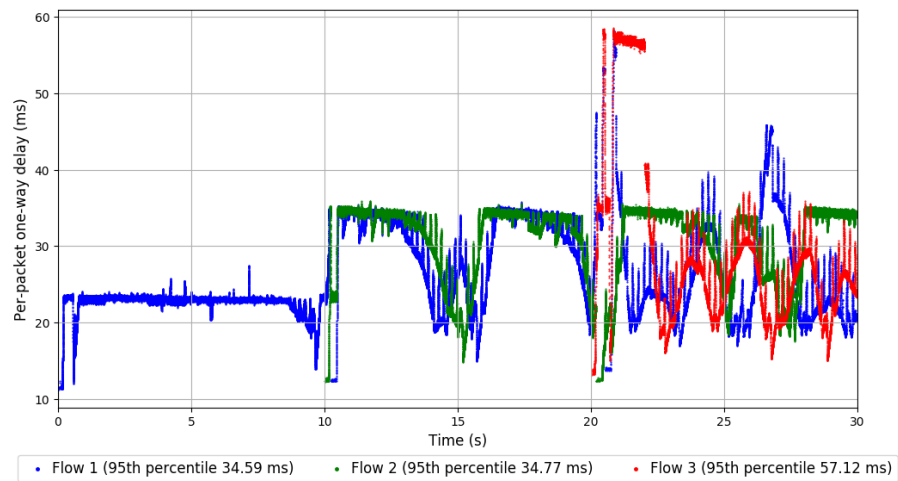
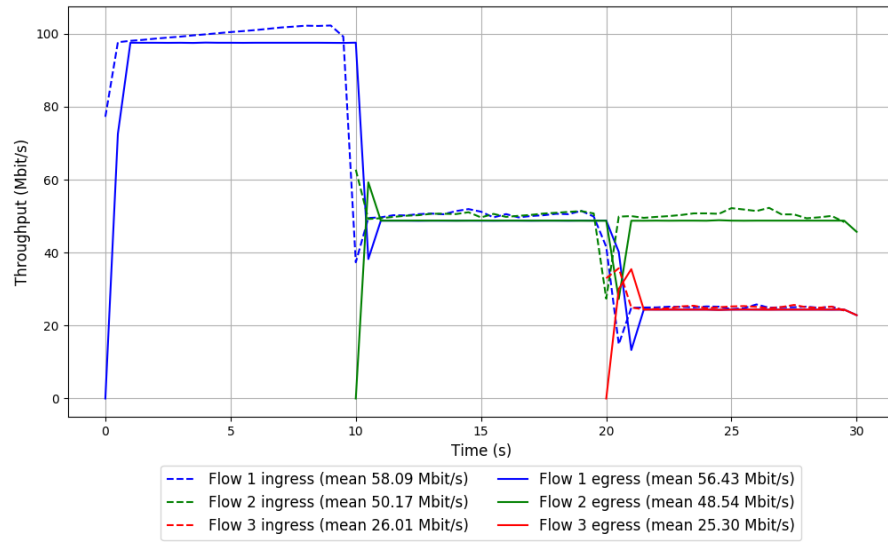


Run 8: Statistics of TCP BBR

Start at: 2018-06-06 05:14:42
End at: 2018-06-06 05:15:12
Local clock offset: -4.737 ms
Remote clock offset: -12.147 ms

Below is generated by plot.py at 2018-06-06 06:03:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 34.798 ms
Loss rate: 3.10%
-- Flow 1:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 34.588 ms
Loss rate: 2.93%
-- Flow 2:
Average throughput: 48.54 Mbit/s
95th percentile per-packet one-way delay: 34.773 ms
Loss rate: 3.42%
-- Flow 3:
Average throughput: 25.30 Mbit/s
95th percentile per-packet one-way delay: 57.123 ms
Loss rate: 3.00%

Run 8: Report of TCP BBR — Data Link

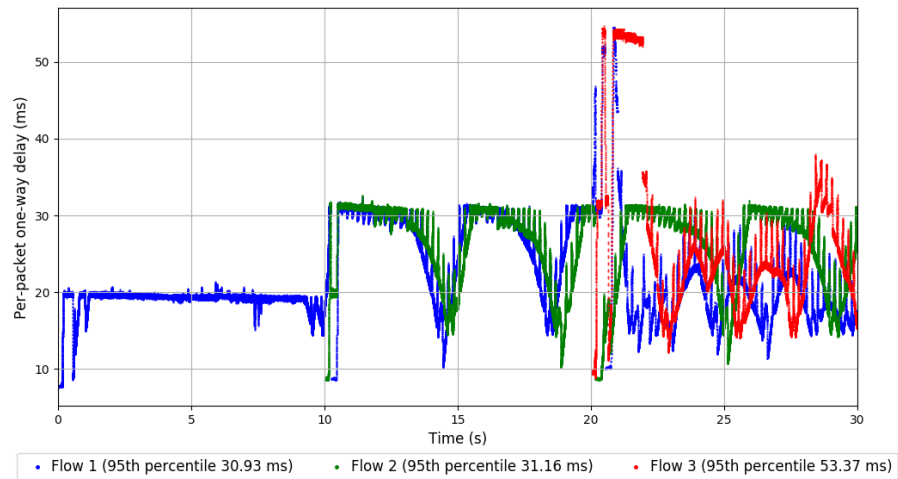
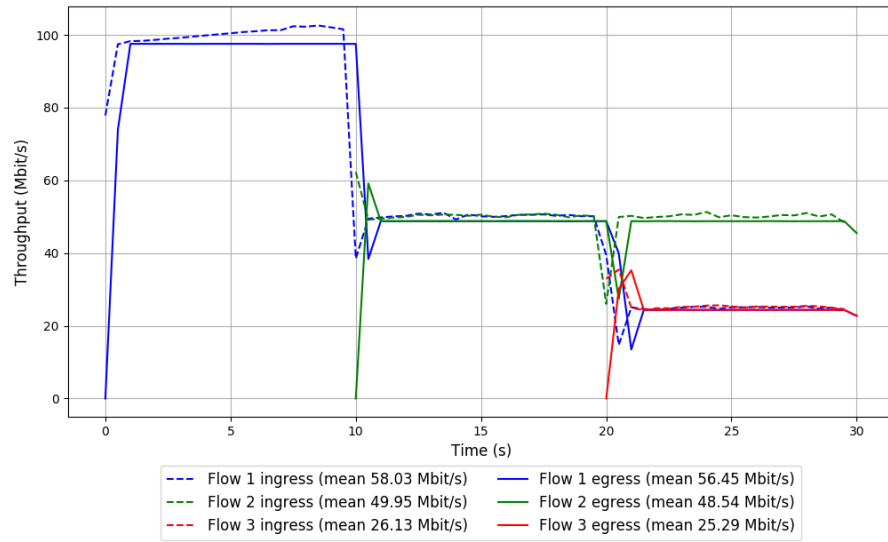


Run 9: Statistics of TCP BBR

Start at: 2018-06-06 05:33:57
End at: 2018-06-06 05:34:27
Local clock offset: -7.002 ms
Remote clock offset: -8.733 ms

Below is generated by plot.py at 2018-06-06 06:04:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 31.148 ms
Loss rate: 2.91%
-- Flow 1:
Average throughput: 56.45 Mbit/s
95th percentile per-packet one-way delay: 30.926 ms
Loss rate: 2.80%
-- Flow 2:
Average throughput: 48.54 Mbit/s
95th percentile per-packet one-way delay: 31.164 ms
Loss rate: 2.95%
-- Flow 3:
Average throughput: 25.29 Mbit/s
95th percentile per-packet one-way delay: 53.368 ms
Loss rate: 3.48%

Run 9: Report of TCP BBR — Data Link

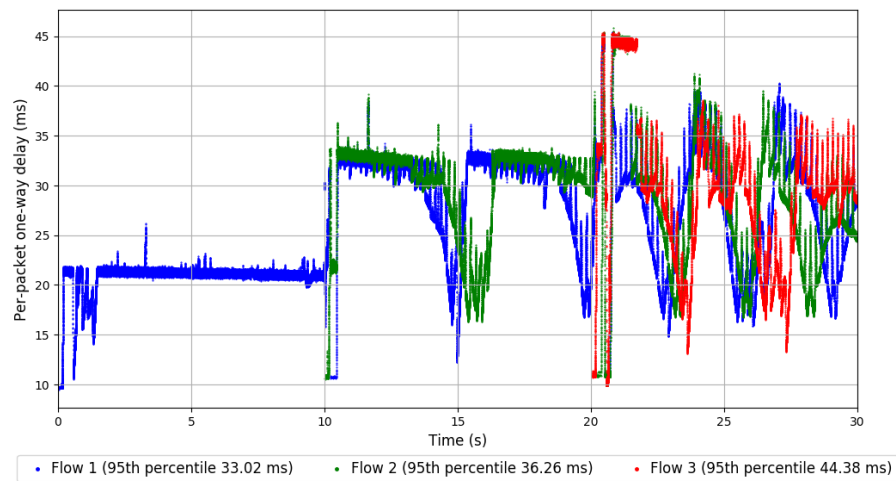
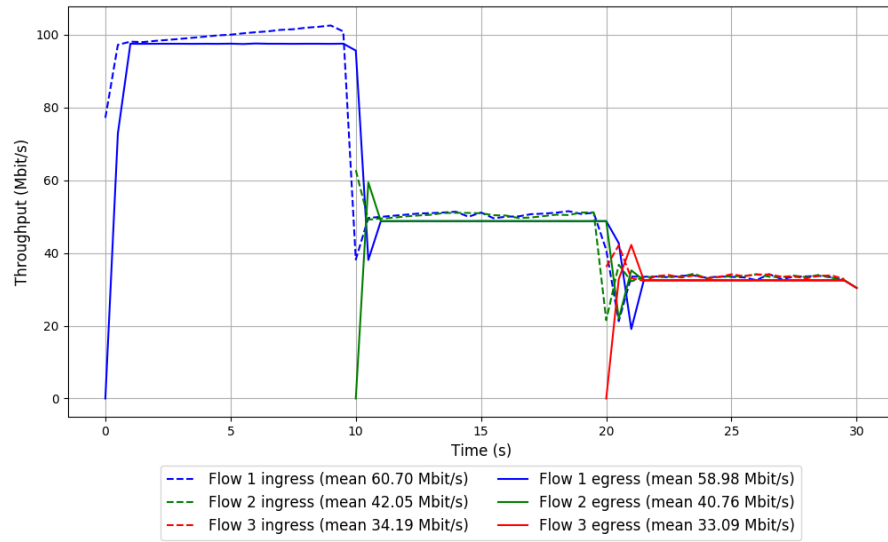


Run 10: Statistics of TCP BBR

Start at: 2018-06-06 05:53:02
End at: 2018-06-06 05:53:32
Local clock offset: -5.647 ms
Remote clock offset: -6.252 ms

Below is generated by plot.py at 2018-06-06 06:04:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 34.933 ms
Loss rate: 3.06%
-- Flow 1:
Average throughput: 58.98 Mbit/s
95th percentile per-packet one-way delay: 33.016 ms
Loss rate: 2.93%
-- Flow 2:
Average throughput: 40.76 Mbit/s
95th percentile per-packet one-way delay: 36.256 ms
Loss rate: 3.20%
-- Flow 3:
Average throughput: 33.09 Mbit/s
95th percentile per-packet one-way delay: 44.377 ms
Loss rate: 3.45%

Run 10: Report of TCP BBR — Data Link

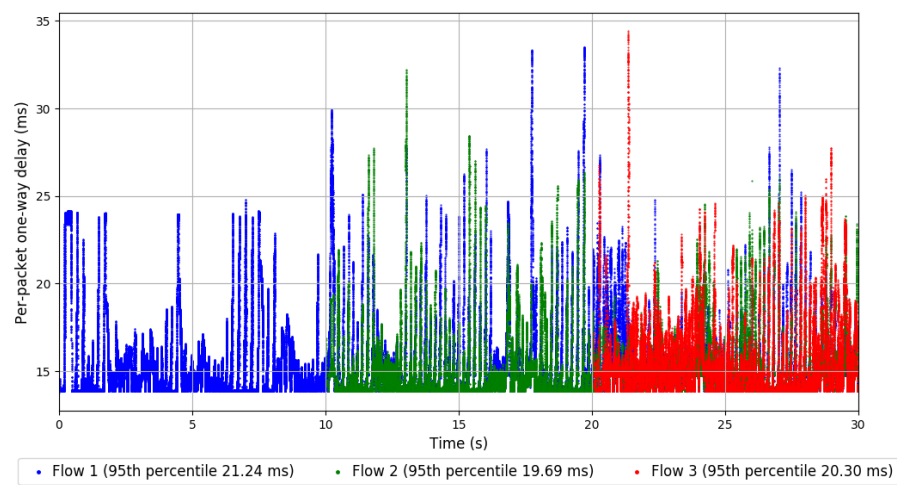
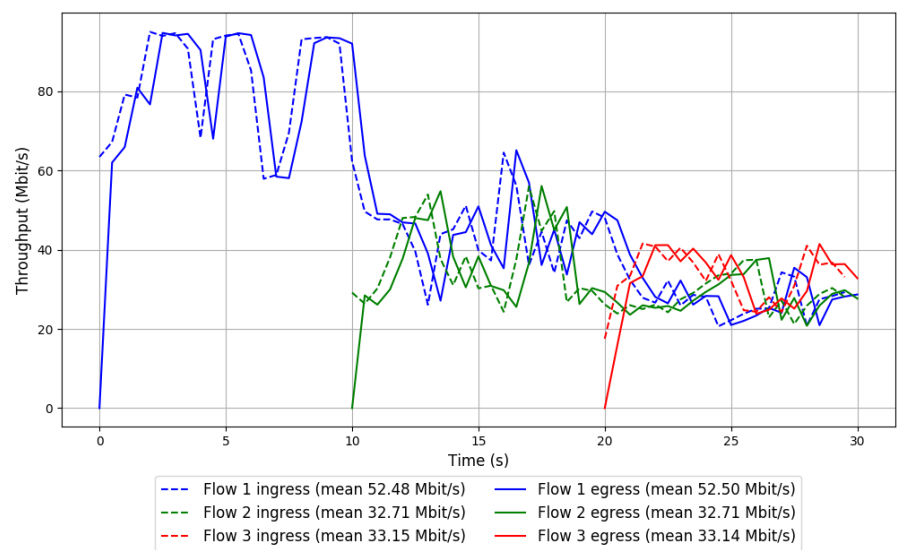


Run 1: Statistics of Copa

Start at: 2018-06-06 02:54:07
End at: 2018-06-06 02:54:37
Local clock offset: -1.864 ms
Remote clock offset: -3.986 ms

Below is generated by plot.py at 2018-06-06 06:05:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.29 Mbit/s
95th percentile per-packet one-way delay: 20.715 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 52.50 Mbit/s
95th percentile per-packet one-way delay: 21.240 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 32.71 Mbit/s
95th percentile per-packet one-way delay: 19.688 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 33.14 Mbit/s
95th percentile per-packet one-way delay: 20.305 ms
Loss rate: 0.26%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-06-06 03:12:52

End at: 2018-06-06 03:13:22

Local clock offset: 0.49 ms

Remote clock offset: -0.67 ms

Below is generated by plot.py at 2018-06-06 06:05:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.79 Mbit/s

95th percentile per-packet one-way delay: 24.062 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 48.11 Mbit/s

95th percentile per-packet one-way delay: 24.410 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 37.09 Mbit/s

95th percentile per-packet one-way delay: 22.935 ms

Loss rate: 0.11%

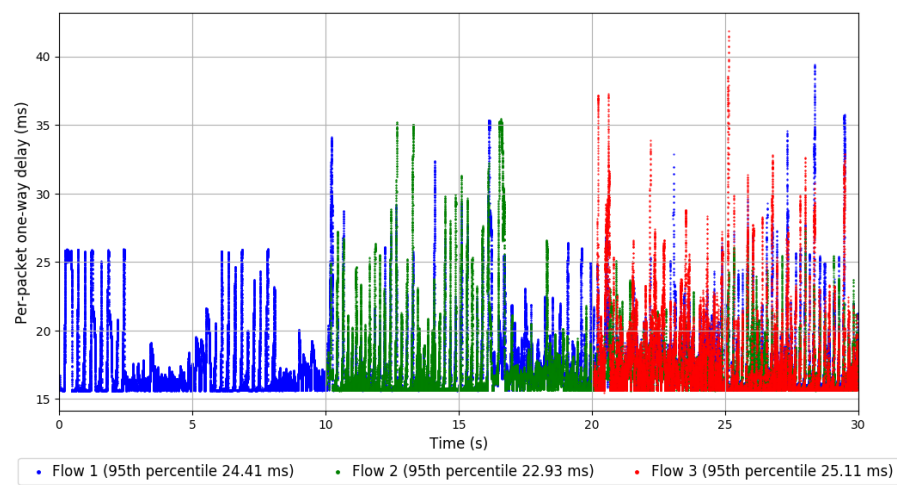
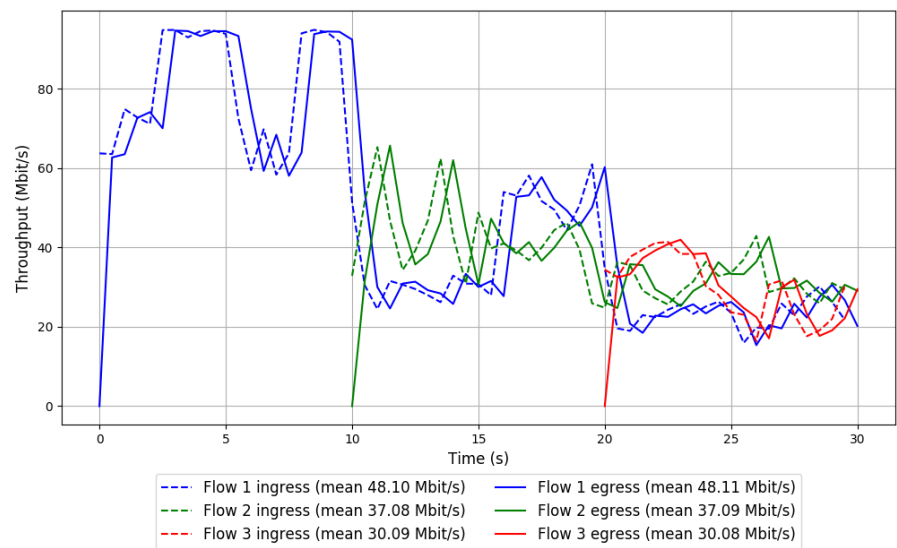
-- Flow 3:

Average throughput: 30.08 Mbit/s

95th percentile per-packet one-way delay: 25.112 ms

Loss rate: 0.27%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-06-06 03:31:46

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

Local clock offset: -0.589 ms

Remote clock offset: 2.077 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.61 Mbit/s

95th percentile per-packet one-way delay: 19.501 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 53.09 Mbit/s

95th percentile per-packet one-way delay: 19.384 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 35.09 Mbit/s

95th percentile per-packet one-way delay: 19.280 ms

Loss rate: 0.09%

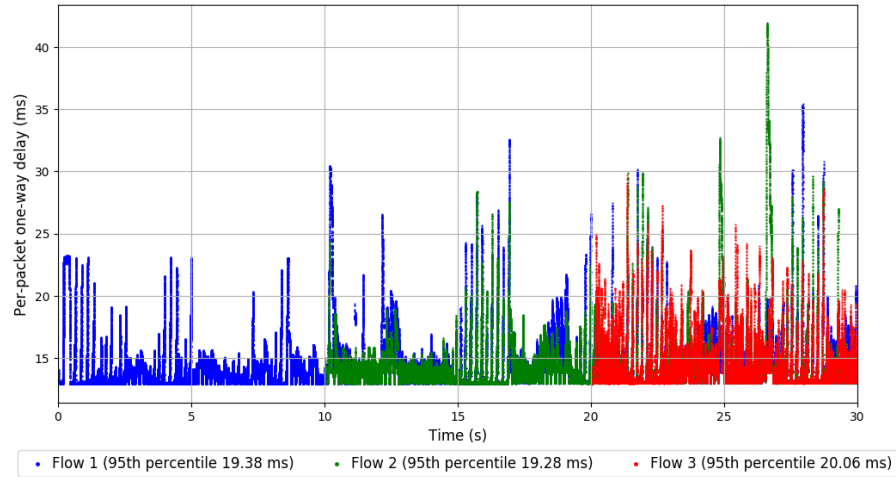
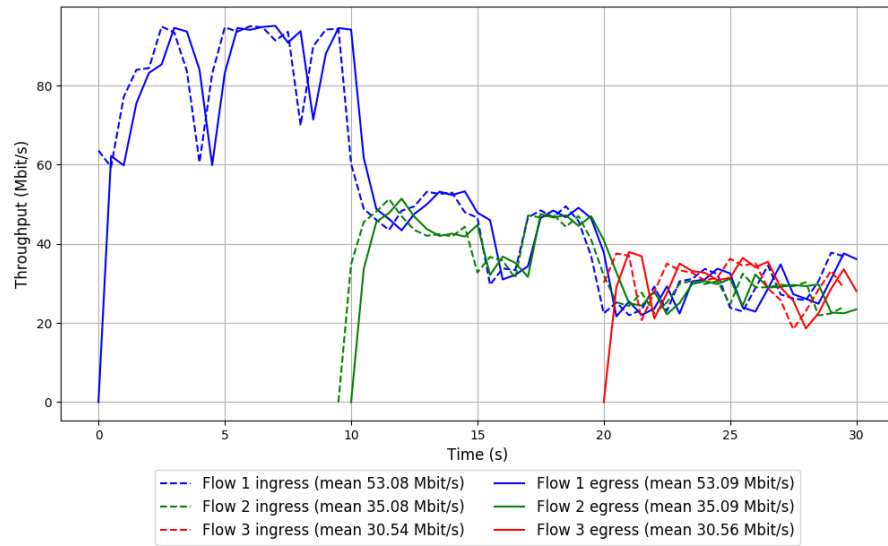
-- Flow 3:

Average throughput: 30.56 Mbit/s

95th percentile per-packet one-way delay: 20.060 ms

Loss rate: 0.20%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-06-06 03:50:34

End at: 2018-06-06 03:51:04

Local clock offset: 0.21 ms

Remote clock offset: 2.066 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.04 Mbit/s

95th percentile per-packet one-way delay: 23.034 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 50.07 Mbit/s

95th percentile per-packet one-way delay: 23.537 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 33.89 Mbit/s

95th percentile per-packet one-way delay: 23.509 ms

Loss rate: 0.10%

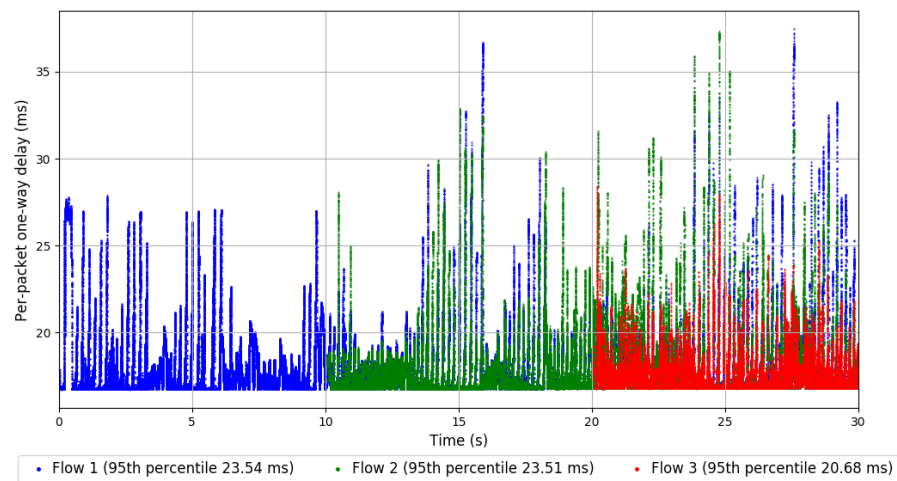
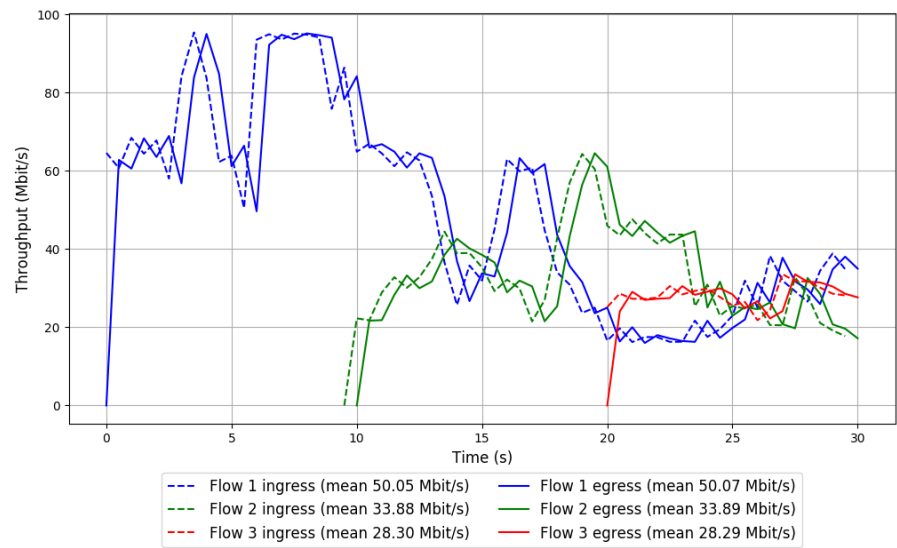
-- Flow 3:

Average throughput: 28.29 Mbit/s

95th percentile per-packet one-way delay: 20.682 ms

Loss rate: 0.28%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-06 04:09:20

End at: 2018-06-06 04:09:50

Local clock offset: 0.826 ms

Remote clock offset: 0.399 ms

Below is generated by plot.py at 2018-06-06 06:05:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.06 Mbit/s

95th percentile per-packet one-way delay: 21.334 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 53.29 Mbit/s

95th percentile per-packet one-way delay: 21.980 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 33.99 Mbit/s

95th percentile per-packet one-way delay: 19.848 ms

Loss rate: 0.11%

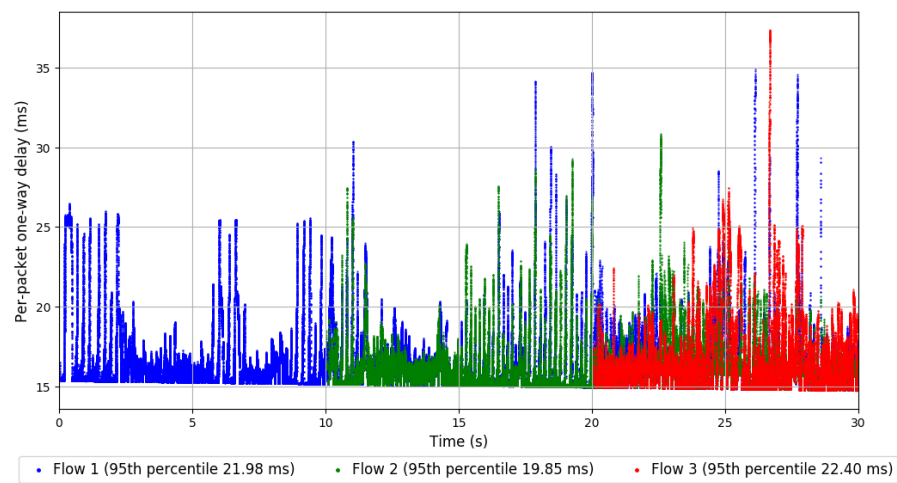
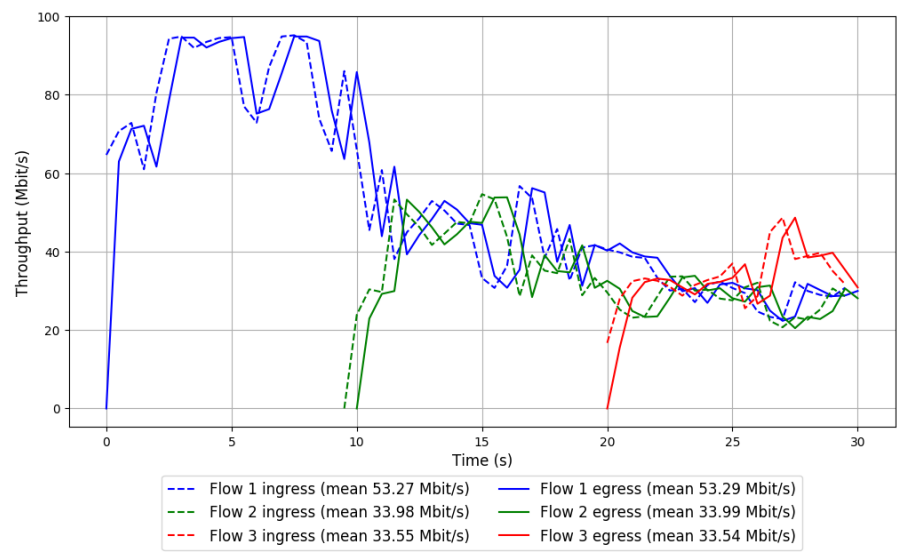
-- Flow 3:

Average throughput: 33.54 Mbit/s

95th percentile per-packet one-way delay: 22.398 ms

Loss rate: 0.27%

Run 5: Report of Copa — Data Link

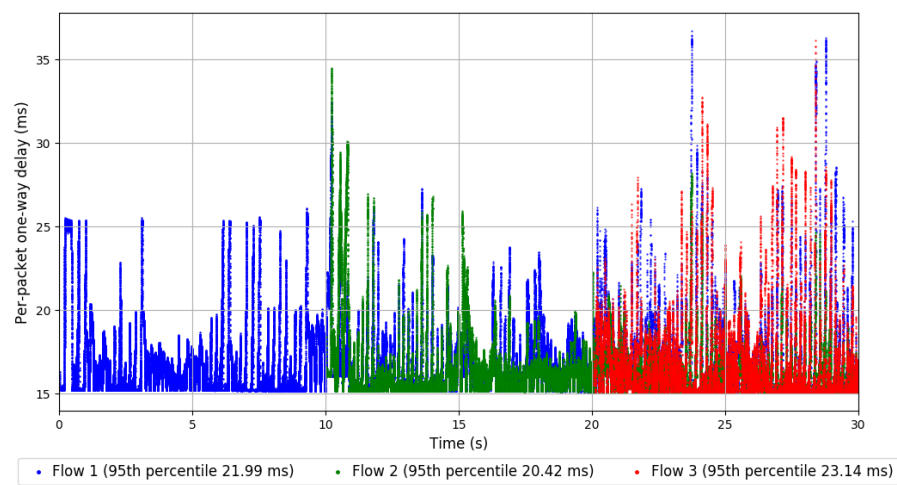
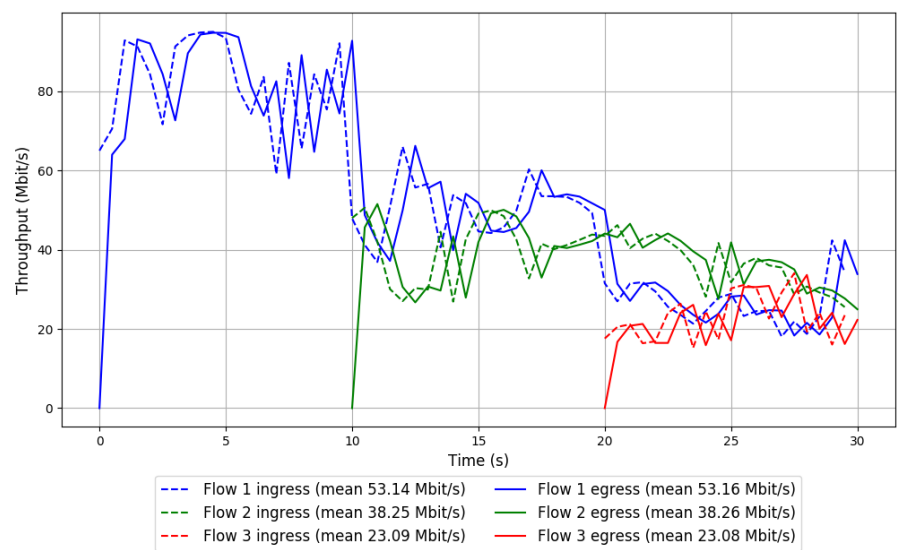


Run 6: Statistics of Copa

Start at: 2018-06-06 04:28:23
End at: 2018-06-06 04:28:53
Local clock offset: 2.258 ms
Remote clock offset: -9.386 ms

Below is generated by plot.py at 2018-06-06 06:05:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.30 Mbit/s
95th percentile per-packet one-way delay: 21.617 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 53.16 Mbit/s
95th percentile per-packet one-way delay: 21.993 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.26 Mbit/s
95th percentile per-packet one-way delay: 20.418 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 23.08 Mbit/s
95th percentile per-packet one-way delay: 23.143 ms
Loss rate: 0.34%

Run 6: Report of Copa — Data Link

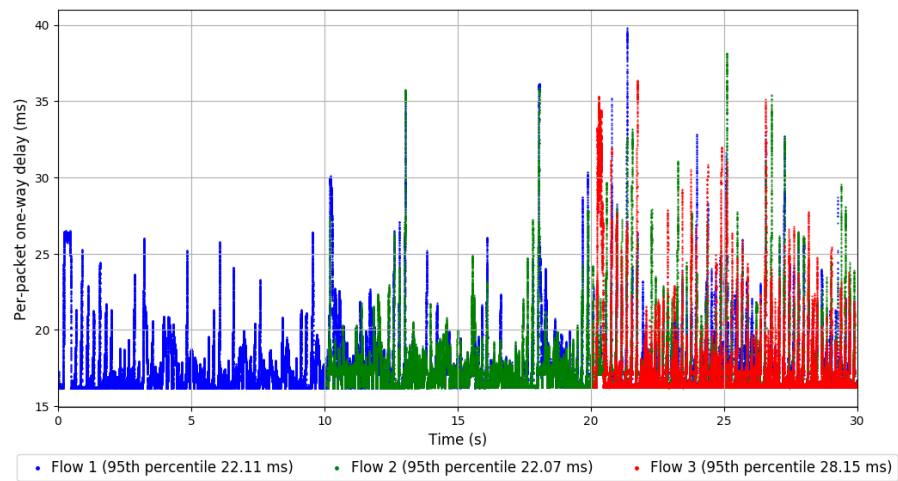
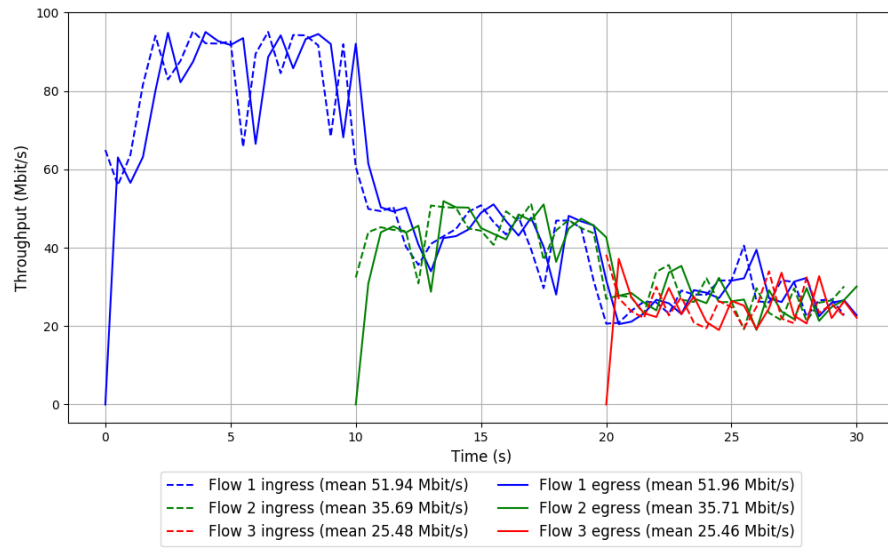


Run 7: Statistics of Copa

Start at: 2018-06-06 04:47:13
End at: 2018-06-06 04:47:43
Local clock offset: 1.939 ms
Remote clock offset: -10.62 ms

Below is generated by plot.py at 2018-06-06 06:06:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.20 Mbit/s
95th percentile per-packet one-way delay: 22.709 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 51.96 Mbit/s
95th percentile per-packet one-way delay: 22.115 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 35.71 Mbit/s
95th percentile per-packet one-way delay: 22.067 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 25.46 Mbit/s
95th percentile per-packet one-way delay: 28.151 ms
Loss rate: 0.33%

Run 7: Report of Copa — Data Link

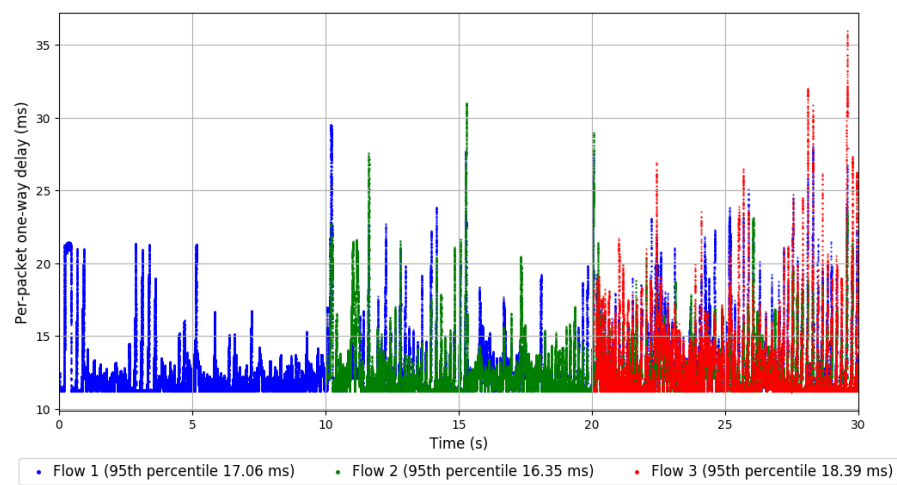
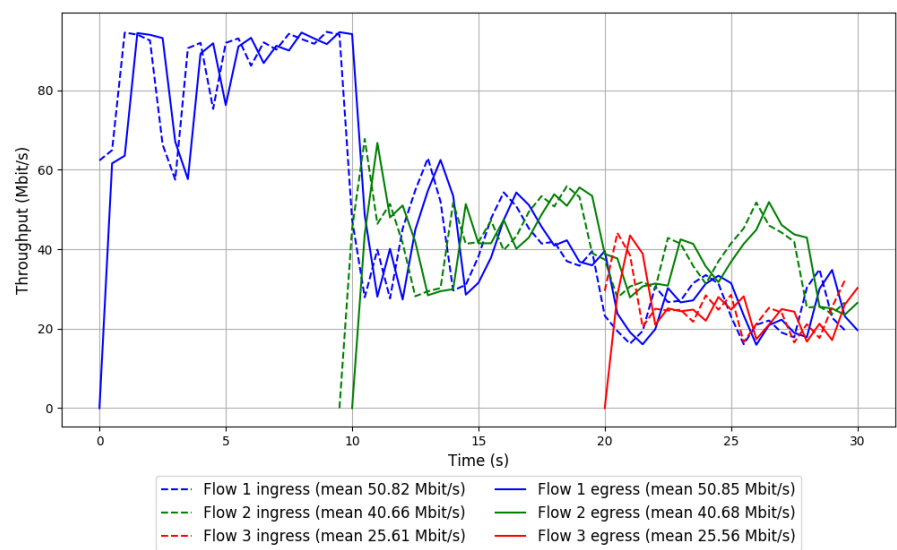


Run 8: Statistics of Copa

Start at: 2018-06-06 05:06:20
End at: 2018-06-06 05:06:50
Local clock offset: -3.428 ms
Remote clock offset: -10.643 ms

Below is generated by plot.py at 2018-06-06 06:06:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.43 Mbit/s
95th percentile per-packet one-way delay: 17.034 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 50.85 Mbit/s
95th percentile per-packet one-way delay: 17.063 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 40.68 Mbit/s
95th percentile per-packet one-way delay: 16.350 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 25.56 Mbit/s
95th percentile per-packet one-way delay: 18.391 ms
Loss rate: 0.44%

Run 8: Report of Copa — Data Link

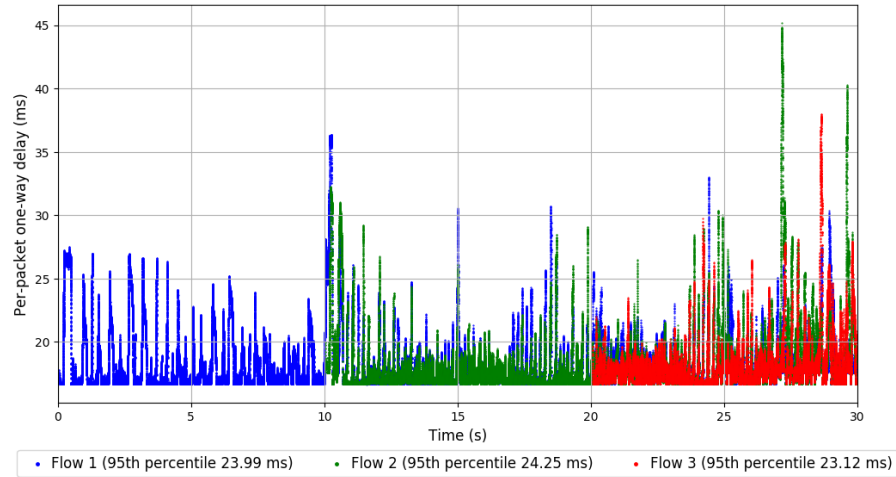
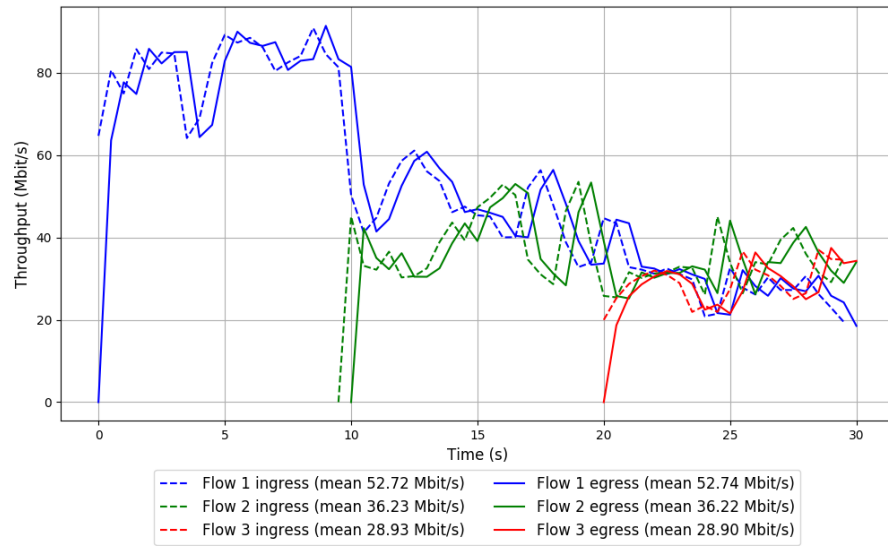


Run 9: Statistics of Copa

Start at: 2018-06-06 05:25:27
End at: 2018-06-06 05:25:57
Local clock offset: 0.983 ms
Remote clock offset: -10.055 ms

Below is generated by plot.py at 2018-06-06 06:06:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.46 Mbit/s
95th percentile per-packet one-way delay: 23.940 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 52.74 Mbit/s
95th percentile per-packet one-way delay: 23.987 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 36.22 Mbit/s
95th percentile per-packet one-way delay: 24.253 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 28.90 Mbit/s
95th percentile per-packet one-way delay: 23.122 ms
Loss rate: 0.35%

Run 9: Report of Copa — Data Link

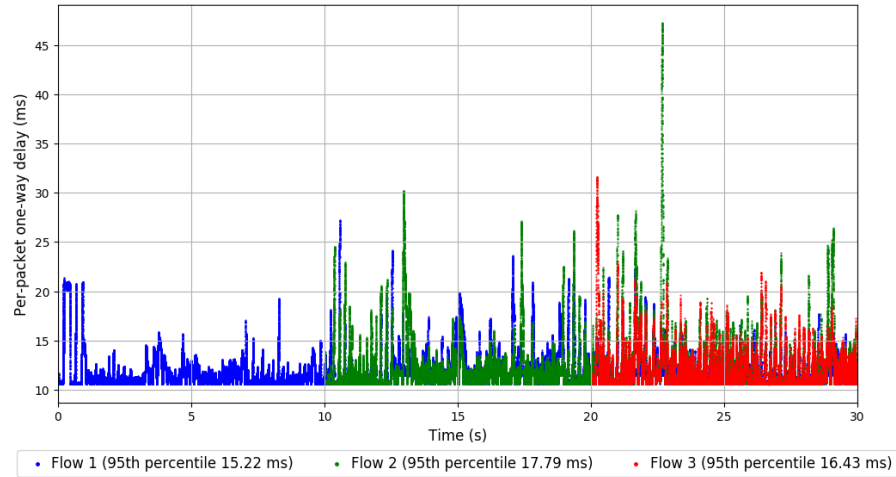
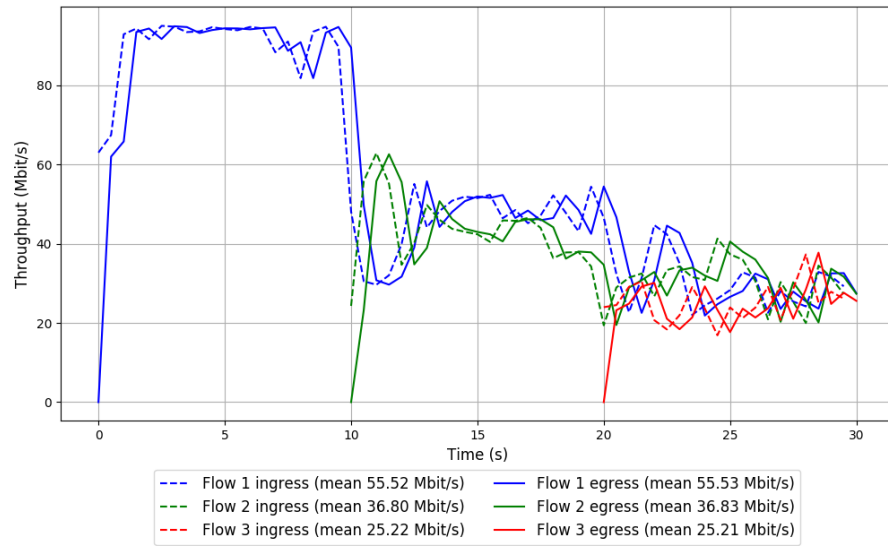


Run 10: Statistics of Copa

Start at: 2018-06-06 05:44:44
End at: 2018-06-06 05:45:14
Local clock offset: -2.022 ms
Remote clock offset: -7.311 ms

Below is generated by plot.py at 2018-06-06 06:06:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.41 Mbit/s
95th percentile per-packet one-way delay: 16.300 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 55.53 Mbit/s
95th percentile per-packet one-way delay: 15.222 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 36.83 Mbit/s
95th percentile per-packet one-way delay: 17.785 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 25.21 Mbit/s
95th percentile per-packet one-way delay: 16.429 ms
Loss rate: 0.27%

Run 10: Report of Copa — Data Link

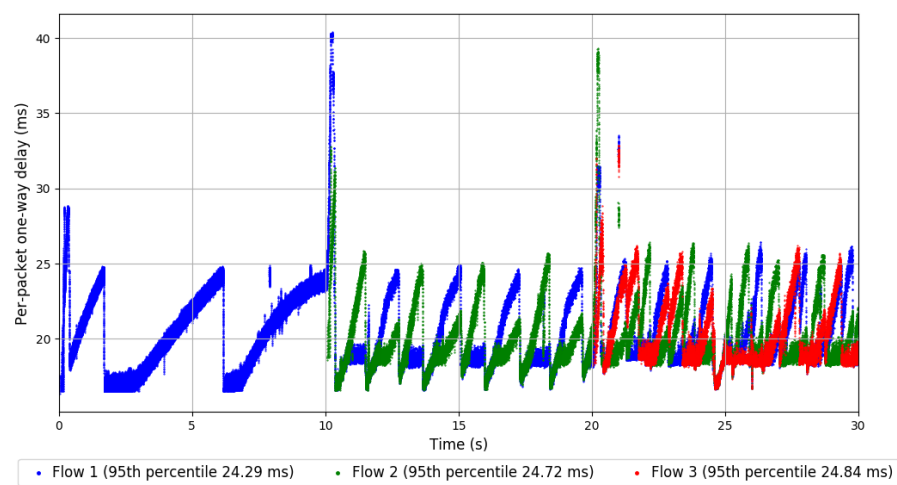
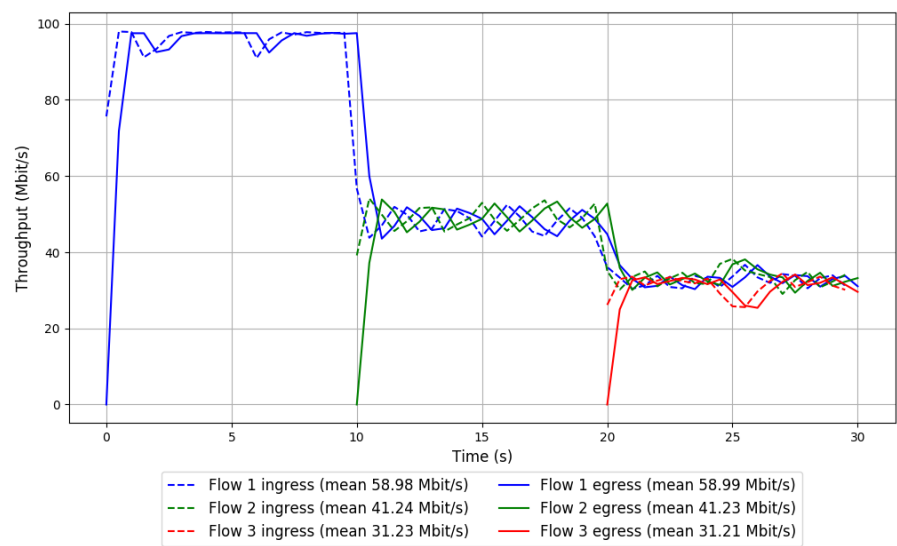


Run 1: Statistics of TCP Cubic

Start at: 2018-06-06 02:57:39
End at: 2018-06-06 02:58:09
Local clock offset: 0.152 ms
Remote clock offset: -3.902 ms

Below is generated by plot.py at 2018-06-06 06:06:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 24.449 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 58.99 Mbit/s
95th percentile per-packet one-way delay: 24.293 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 41.23 Mbit/s
95th percentile per-packet one-way delay: 24.719 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.21 Mbit/s
95th percentile per-packet one-way delay: 24.838 ms
Loss rate: 0.30%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-06-06 03:16:22

End at: 2018-06-06 03:16:52

Local clock offset: -1.095 ms

Remote clock offset: 0.045 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.70 Mbit/s

95th percentile per-packet one-way delay: 21.926 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 59.05 Mbit/s

95th percentile per-packet one-way delay: 21.670 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 40.34 Mbit/s

95th percentile per-packet one-way delay: 22.121 ms

Loss rate: 0.11%

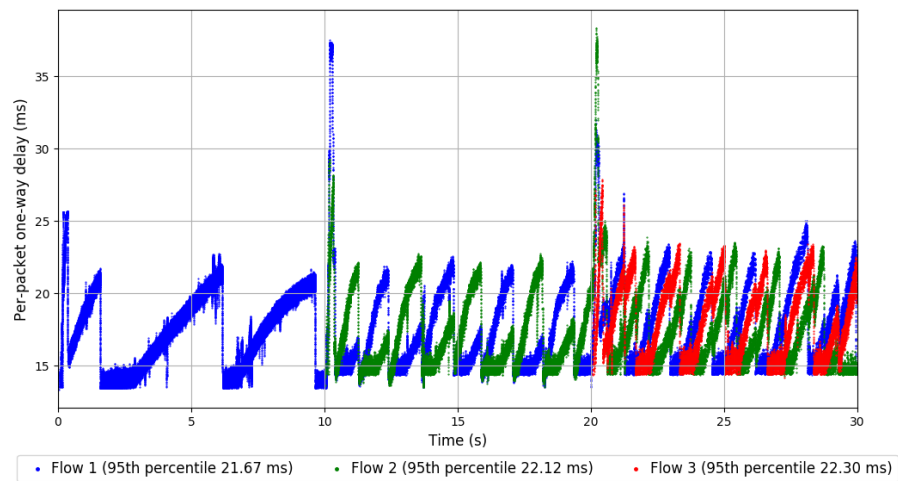
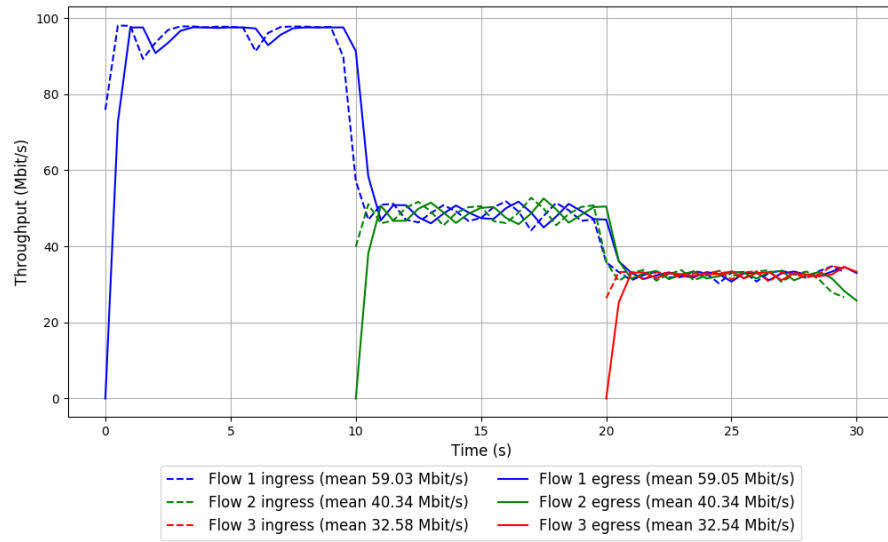
-- Flow 3:

Average throughput: 32.54 Mbit/s

95th percentile per-packet one-way delay: 22.305 ms

Loss rate: 0.37%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-06-06 03:35:16

End at: 2018-06-06 03:35:46

Local clock offset: -1.655 ms

Remote clock offset: 0.837 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.85 Mbit/s

95th percentile per-packet one-way delay: 21.759 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 64.26 Mbit/s

95th percentile per-packet one-way delay: 21.547 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 36.71 Mbit/s

95th percentile per-packet one-way delay: 21.939 ms

Loss rate: 0.13%

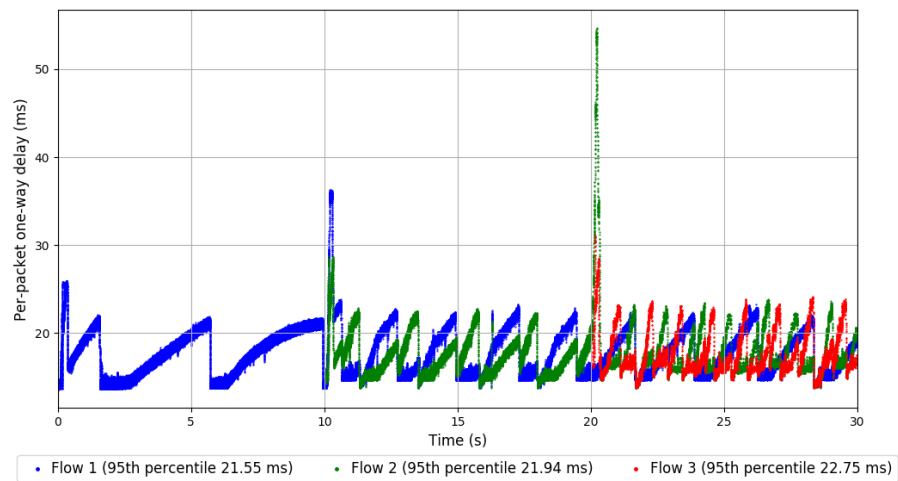
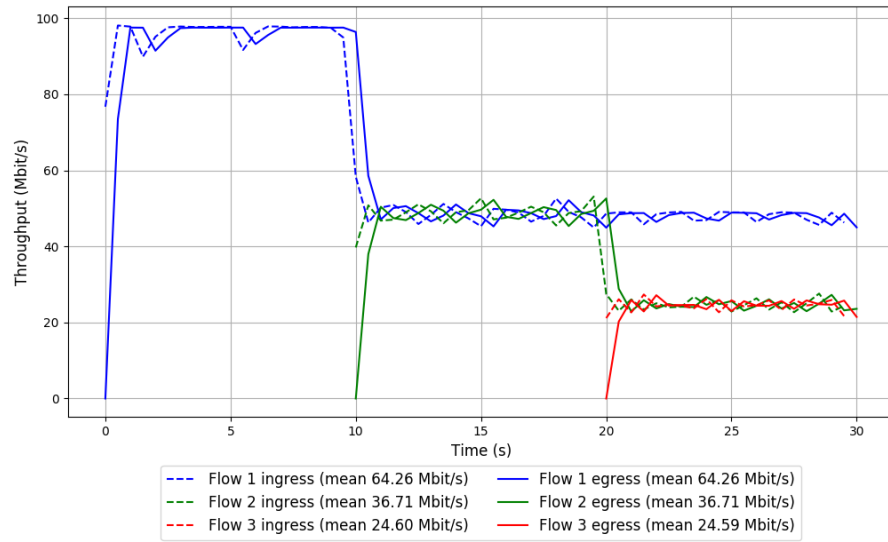
-- Flow 3:

Average throughput: 24.59 Mbit/s

95th percentile per-packet one-way delay: 22.753 ms

Loss rate: 0.31%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-06-06 03:54:04

End at: 2018-06-06 03:54:34

Local clock offset: 0.513 ms

Remote clock offset: 2.589 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.82 Mbit/s

95th percentile per-packet one-way delay: 25.454 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 64.27 Mbit/s

95th percentile per-packet one-way delay: 25.334 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 36.66 Mbit/s

95th percentile per-packet one-way delay: 25.500 ms

Loss rate: 0.13%

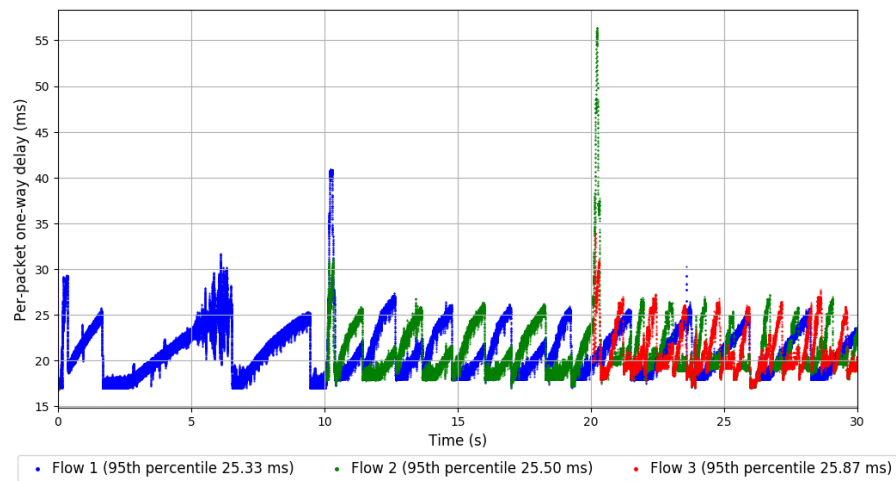
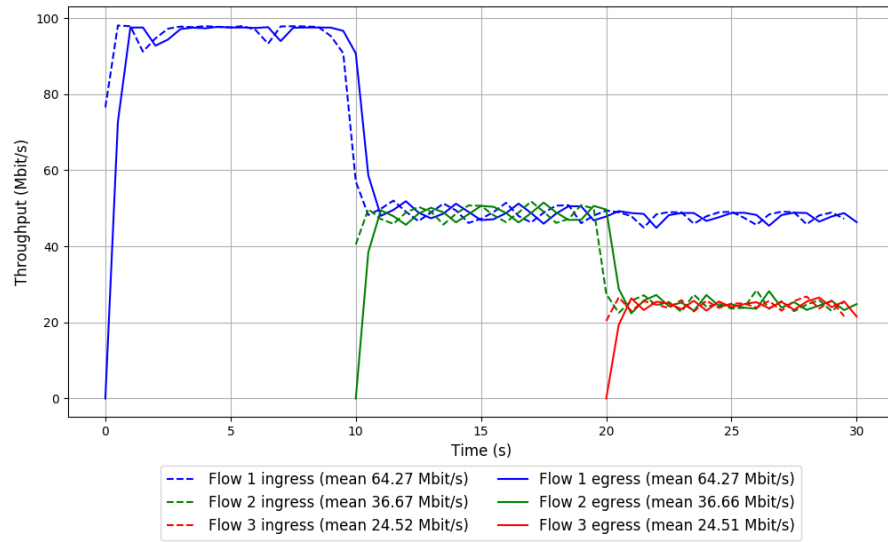
-- Flow 3:

Average throughput: 24.51 Mbit/s

95th percentile per-packet one-way delay: 25.873 ms

Loss rate: 0.30%

Run 4: Report of TCP Cubic — Data Link

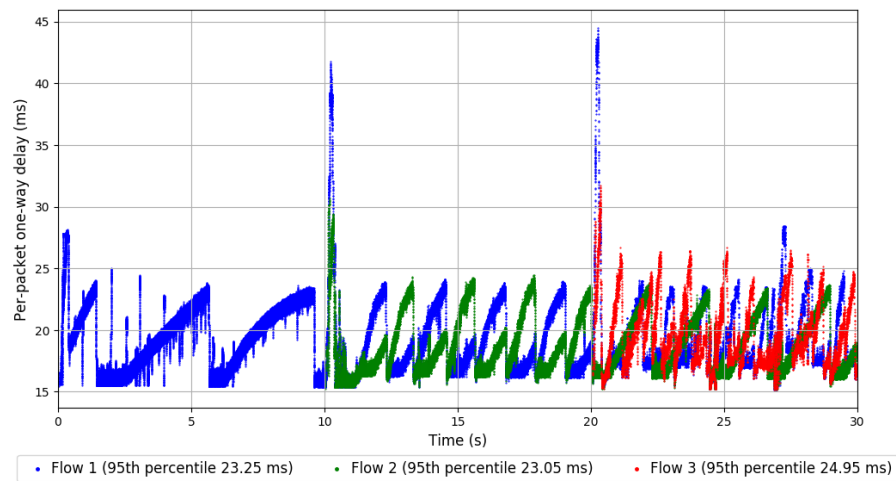
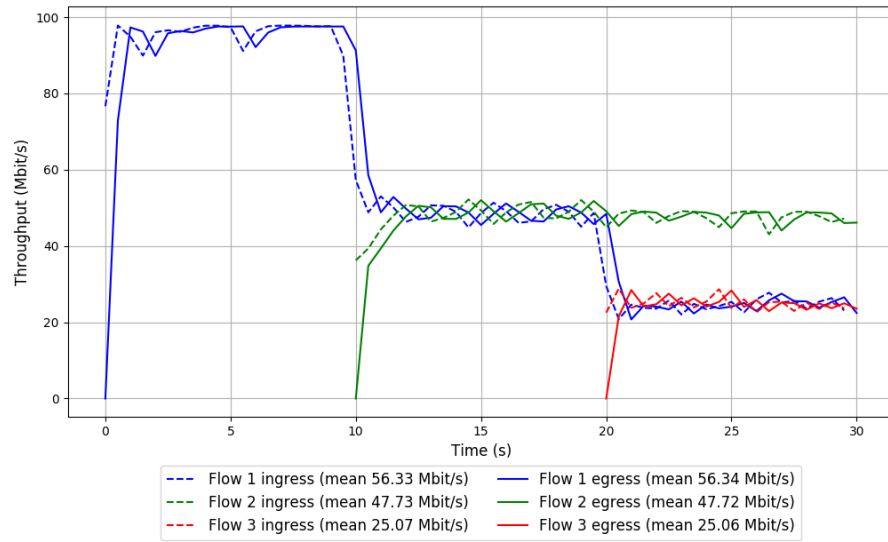


Run 5: Statistics of TCP Cubic

Start at: 2018-06-06 04:12:56
End at: 2018-06-06 04:13:26
Local clock offset: 0.66 ms
Remote clock offset: -3.713 ms

Below is generated by plot.py at 2018-06-06 06:07:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 23.281 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.34 Mbit/s
95th percentile per-packet one-way delay: 23.245 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 47.72 Mbit/s
95th percentile per-packet one-way delay: 23.046 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 25.06 Mbit/s
95th percentile per-packet one-way delay: 24.952 ms
Loss rate: 0.27%

Run 5: Report of TCP Cubic — Data Link

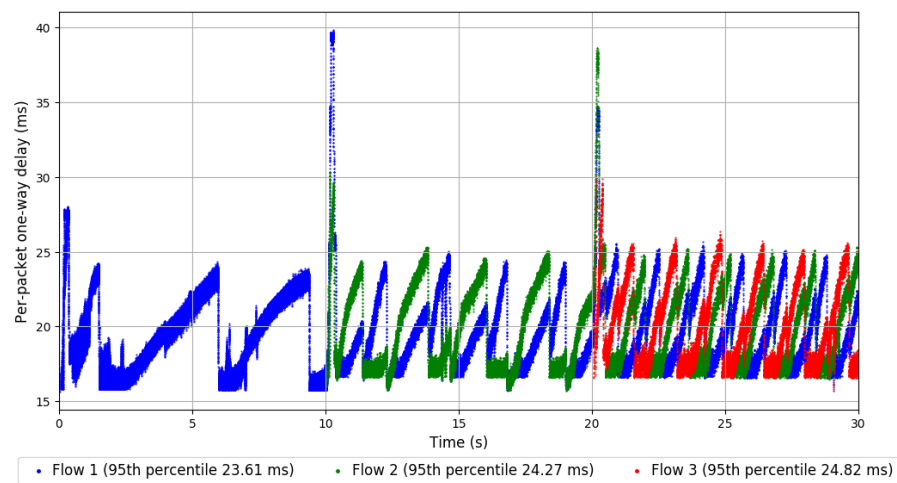
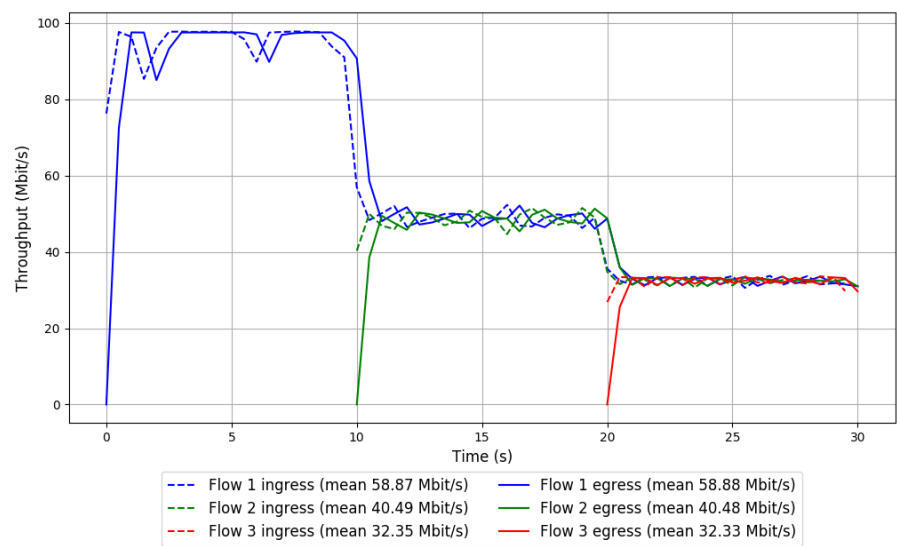


Run 6: Statistics of TCP Cubic

Start at: 2018-06-06 04:31:55
End at: 2018-06-06 04:32:25
Local clock offset: 2.712 ms
Remote clock offset: -10.43 ms

Below is generated by plot.py at 2018-06-06 06:07:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: 24.092 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 58.88 Mbit/s
95th percentile per-packet one-way delay: 23.612 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.48 Mbit/s
95th percentile per-packet one-way delay: 24.273 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.33 Mbit/s
95th percentile per-packet one-way delay: 24.821 ms
Loss rate: 0.29%

Run 6: Report of TCP Cubic — Data Link

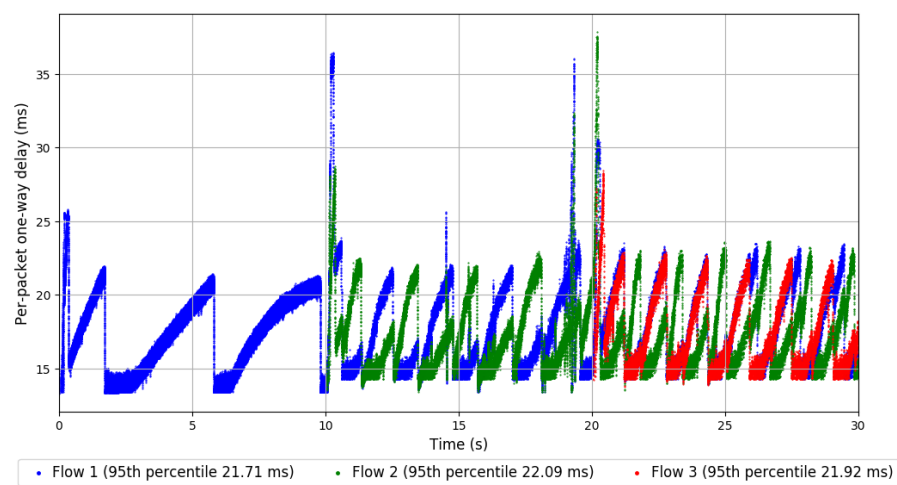
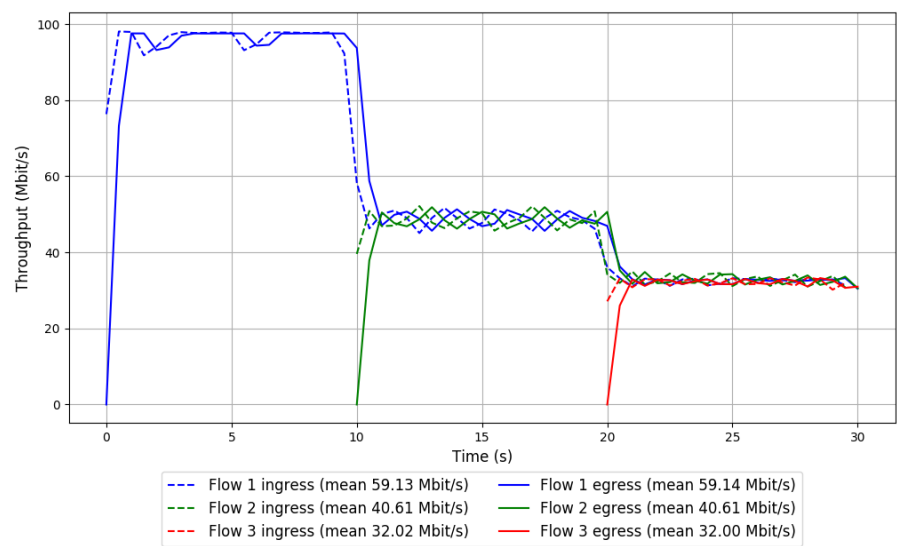


Run 7: Statistics of TCP Cubic

Start at: 2018-06-06 04:50:51
End at: 2018-06-06 04:51:21
Local clock offset: -0.746 ms
Remote clock offset: -10.148 ms

Below is generated by plot.py at 2018-06-06 06:07:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.80 Mbit/s
95th percentile per-packet one-way delay: 21.901 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.14 Mbit/s
95th percentile per-packet one-way delay: 21.711 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.61 Mbit/s
95th percentile per-packet one-way delay: 22.093 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.00 Mbit/s
95th percentile per-packet one-way delay: 21.916 ms
Loss rate: 0.33%

Run 7: Report of TCP Cubic — Data Link

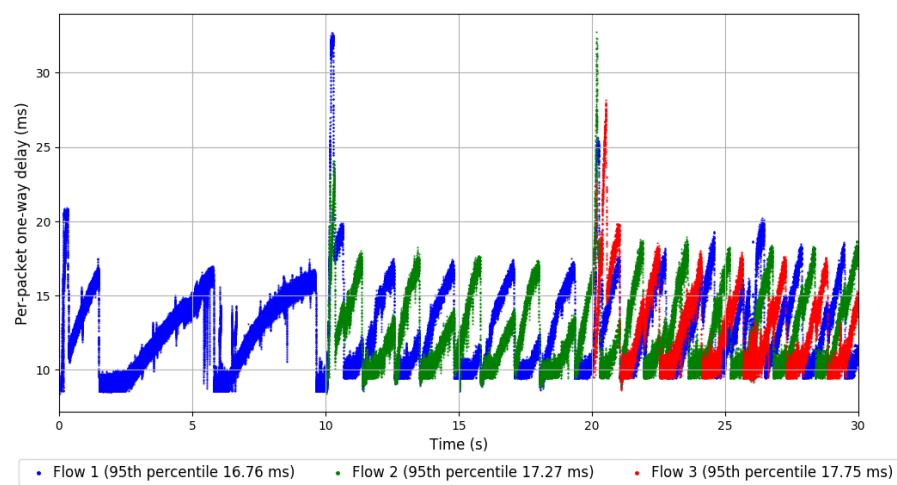
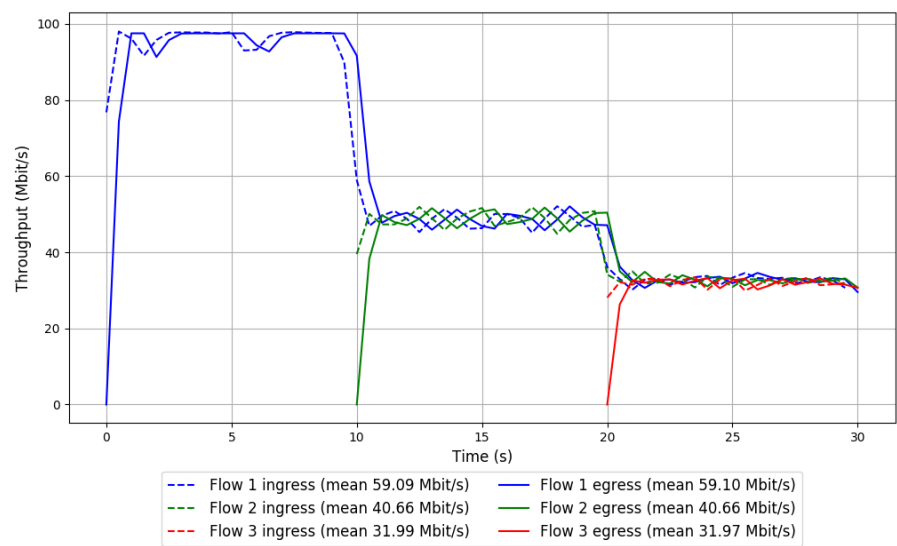


Run 8: Statistics of TCP Cubic

Start at: 2018-06-06 05:09:55
End at: 2018-06-06 05:10:25
Local clock offset: -6.296 ms
Remote clock offset: -10.809 ms

Below is generated by plot.py at 2018-06-06 06:07:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 17.097 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.10 Mbit/s
95th percentile per-packet one-way delay: 16.763 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: 17.267 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.97 Mbit/s
95th percentile per-packet one-way delay: 17.750 ms
Loss rate: 0.34%

Run 8: Report of TCP Cubic — Data Link

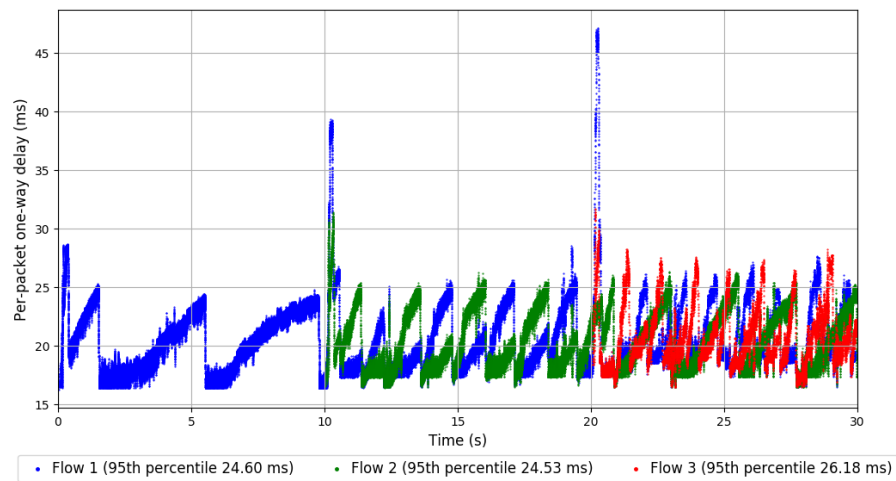
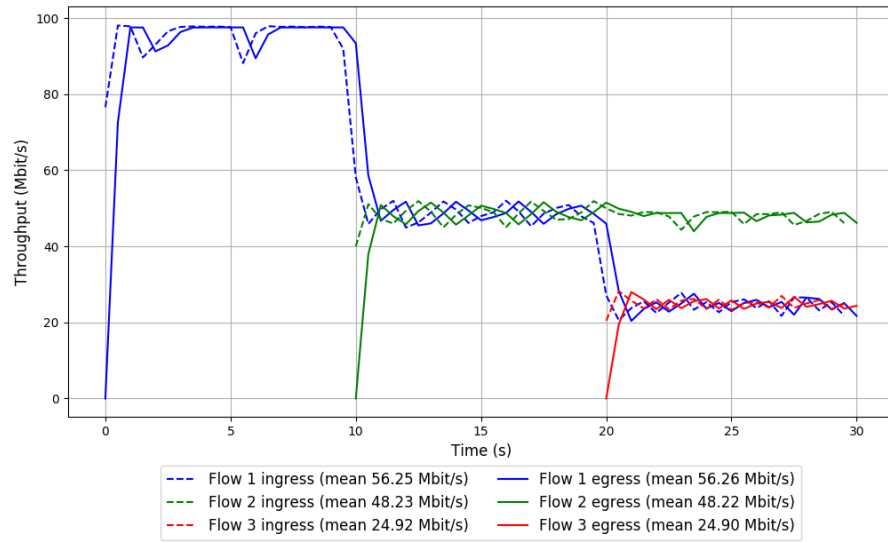


Run 9: Statistics of TCP Cubic

Start at: 2018-06-06 05:29:06
End at: 2018-06-06 05:29:36
Local clock offset: 0.845 ms
Remote clock offset: -9.742 ms

Below is generated by plot.py at 2018-06-06 06:07:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 24.669 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.26 Mbit/s
95th percentile per-packet one-way delay: 24.602 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 48.22 Mbit/s
95th percentile per-packet one-way delay: 24.532 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 24.90 Mbit/s
95th percentile per-packet one-way delay: 26.183 ms
Loss rate: 0.35%

Run 9: Report of TCP Cubic — Data Link

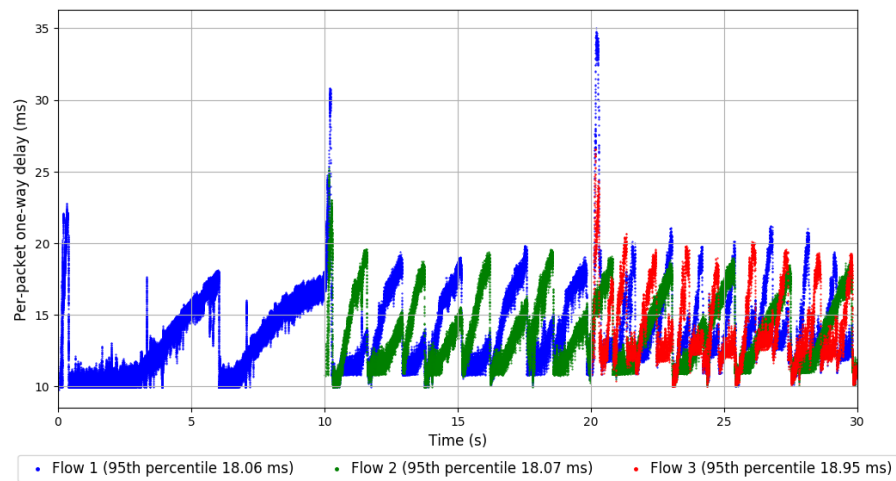
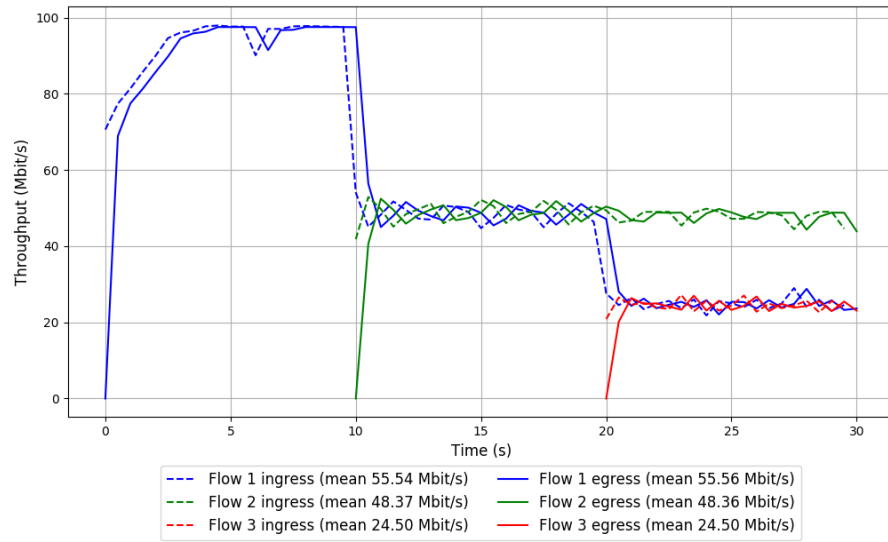


Run 10: Statistics of TCP Cubic

Start at: 2018-06-06 05:48:20
End at: 2018-06-06 05:48:50
Local clock offset: -5.205 ms
Remote clock offset: -9.977 ms

Below is generated by plot.py at 2018-06-06 06:07:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.90 Mbit/s
95th percentile per-packet one-way delay: 18.166 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 55.56 Mbit/s
95th percentile per-packet one-way delay: 18.058 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 48.36 Mbit/s
95th percentile per-packet one-way delay: 18.071 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 18.949 ms
Loss rate: 0.29%

Run 10: Report of TCP Cubic — Data Link

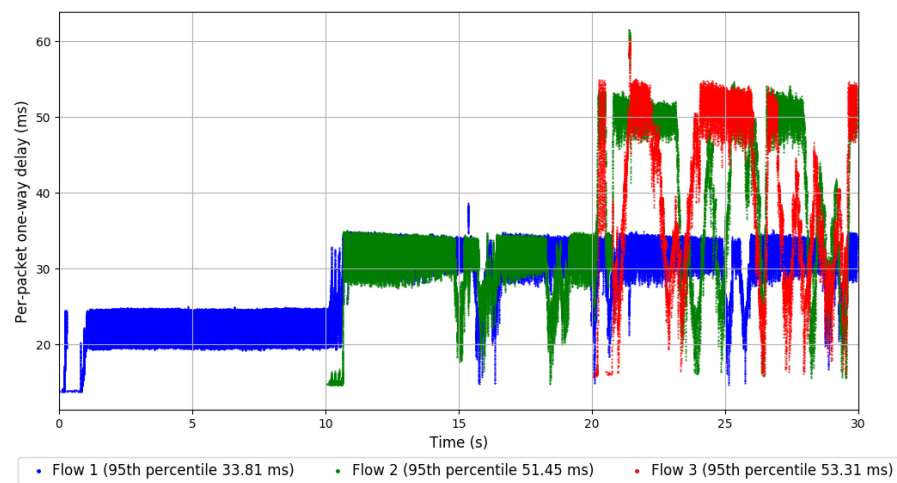
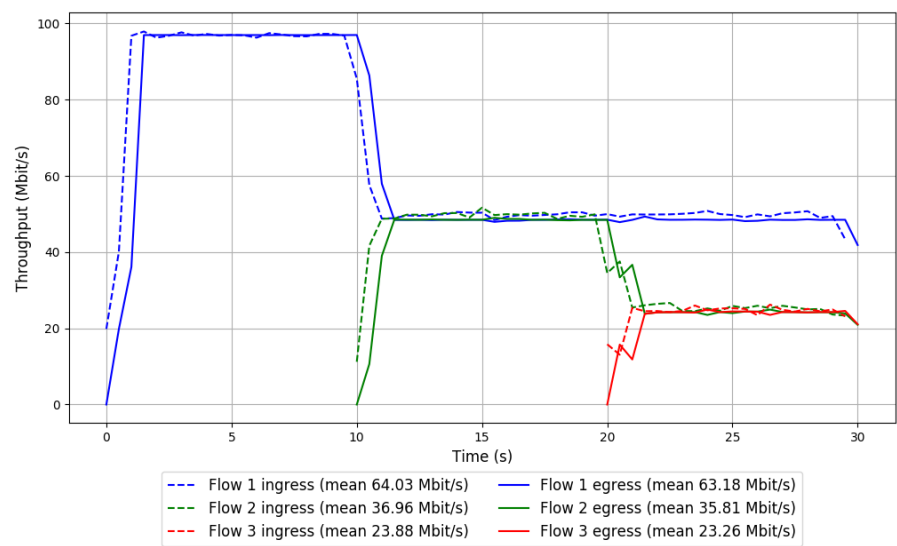


Run 1: Statistics of FillP

Start at: 2018-06-06 03:05:43
End at: 2018-06-06 03:06:13
Local clock offset: -2.171 ms
Remote clock offset: -1.912 ms

Below is generated by plot.py at 2018-06-06 06:08:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.70 Mbit/s
95th percentile per-packet one-way delay: 50.005 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 63.18 Mbit/s
95th percentile per-packet one-way delay: 33.811 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 35.81 Mbit/s
95th percentile per-packet one-way delay: 51.450 ms
Loss rate: 3.32%
-- Flow 3:
Average throughput: 23.26 Mbit/s
95th percentile per-packet one-way delay: 53.314 ms
Loss rate: 2.96%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-06-06 03:24:39

End at: 2018-06-06 03:25:09

Local clock offset: -0.269 ms

Remote clock offset: 1.408 ms

Below is generated by plot.py at 2018-06-06 06:08:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.87 Mbit/s

95th percentile per-packet one-way delay: 49.825 ms

Loss rate: 2.24%

-- Flow 1:

Average throughput: 55.81 Mbit/s

95th percentile per-packet one-way delay: 49.598 ms

Loss rate: 1.88%

-- Flow 2:

Average throughput: 47.11 Mbit/s

95th percentile per-packet one-way delay: 33.626 ms

Loss rate: 2.57%

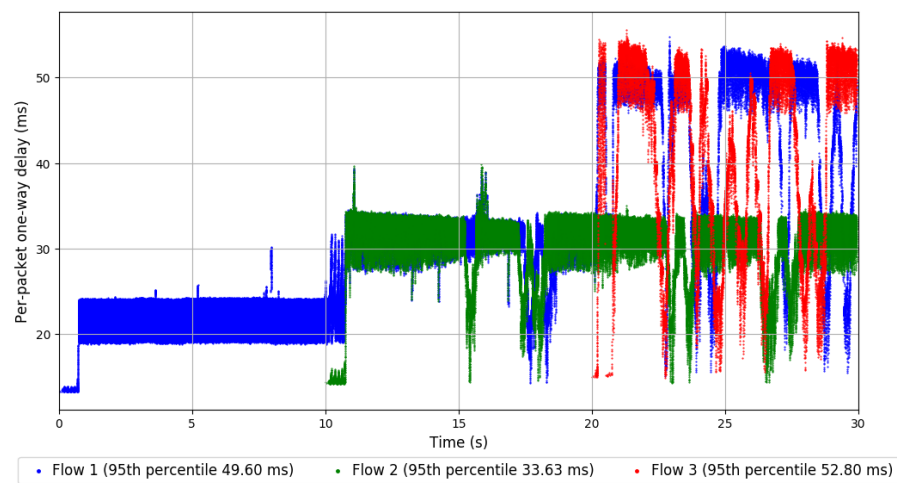
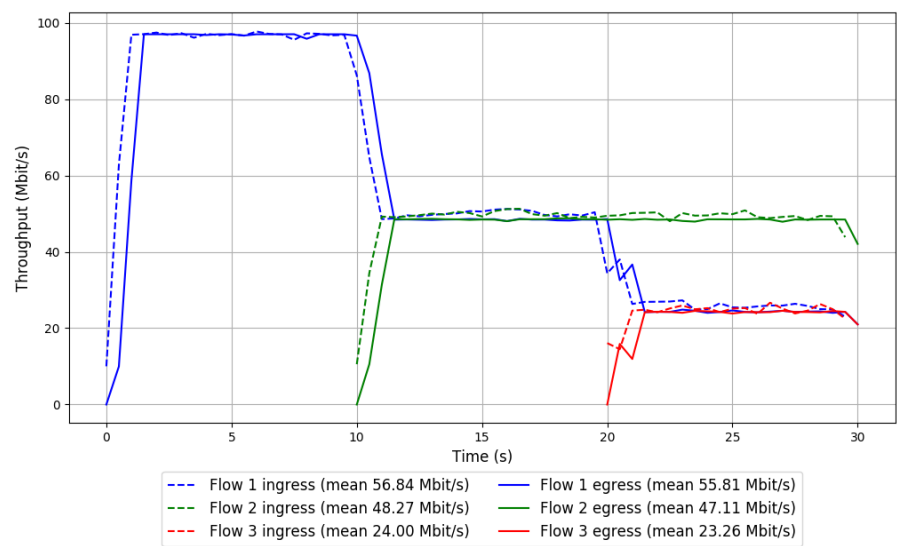
-- Flow 3:

Average throughput: 23.26 Mbit/s

95th percentile per-packet one-way delay: 52.798 ms

Loss rate: 3.50%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-06-06 03:43:27

End at: 2018-06-06 03:43:57

Local clock offset: 0.647 ms

Remote clock offset: 2.086 ms

Below is generated by plot.py at 2018-06-06 06:08:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.85 Mbit/s

95th percentile per-packet one-way delay: 52.144 ms

Loss rate: 2.44%

-- Flow 1:

Average throughput: 55.82 Mbit/s

95th percentile per-packet one-way delay: 51.852 ms

Loss rate: 1.70%

-- Flow 2:

Average throughput: 35.72 Mbit/s

95th percentile per-packet one-way delay: 53.355 ms

Loss rate: 3.69%

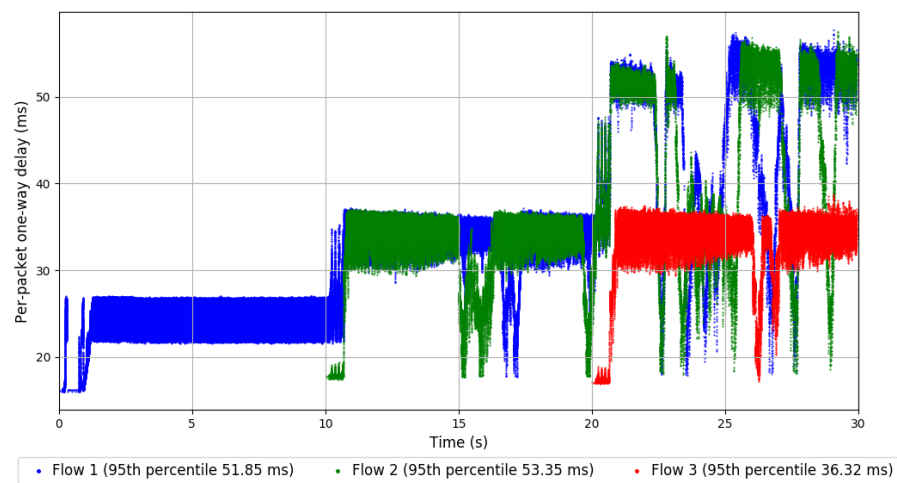
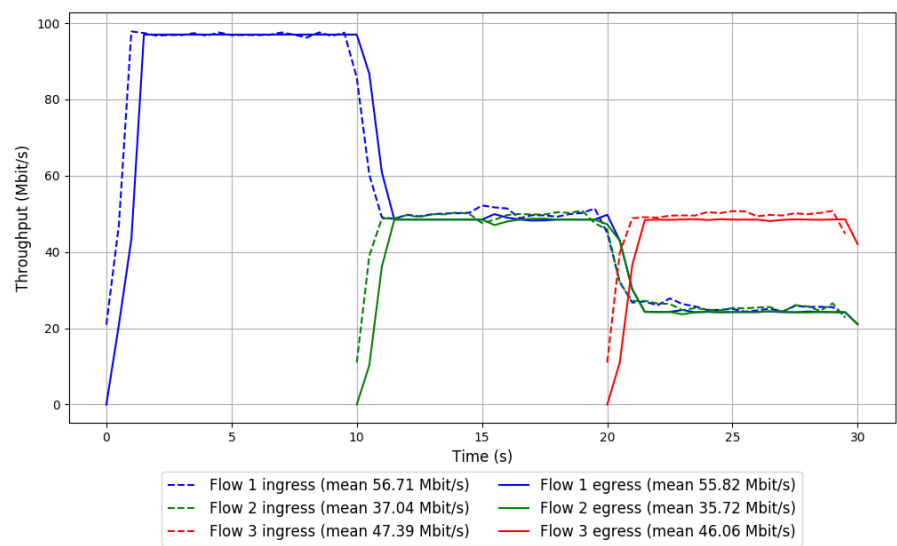
-- Flow 3:

Average throughput: 46.06 Mbit/s

95th percentile per-packet one-way delay: 36.319 ms

Loss rate: 3.11%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-06-06 04:02:09

End at: 2018-06-06 04:02:39

Local clock offset: -2.086 ms

Remote clock offset: 3.384 ms

Below is generated by plot.py at 2018-06-06 06:08:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.96 Mbit/s

95th percentile per-packet one-way delay: 51.826 ms

Loss rate: 2.11%

-- Flow 1:

Average throughput: 55.82 Mbit/s

95th percentile per-packet one-way delay: 51.308 ms

Loss rate: 1.38%

-- Flow 2:

Average throughput: 47.09 Mbit/s

95th percentile per-packet one-way delay: 34.578 ms

Loss rate: 2.84%

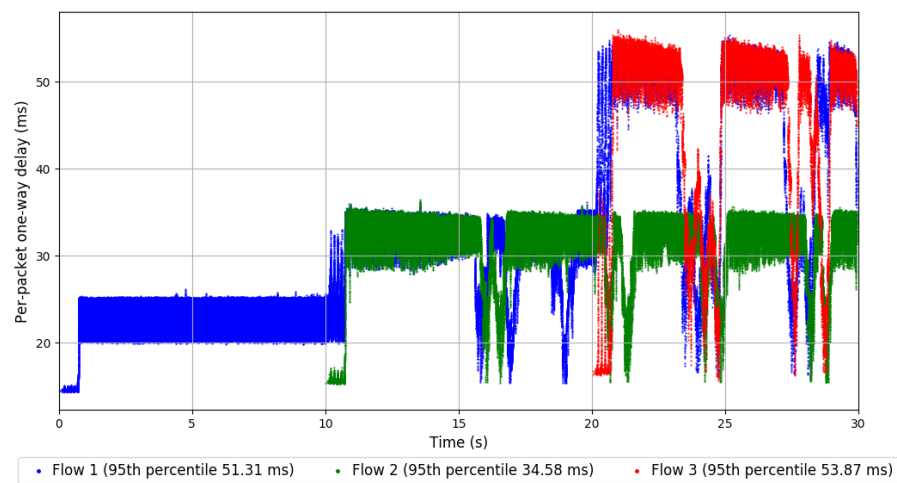
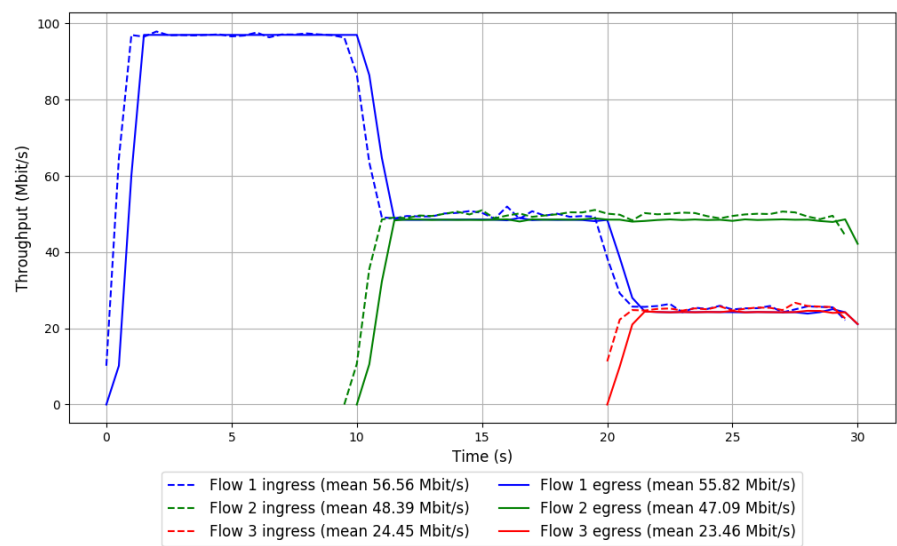
-- Flow 3:

Average throughput: 23.46 Mbit/s

95th percentile per-packet one-way delay: 53.874 ms

Loss rate: 4.27%

Run 4: Report of FillP — Data Link

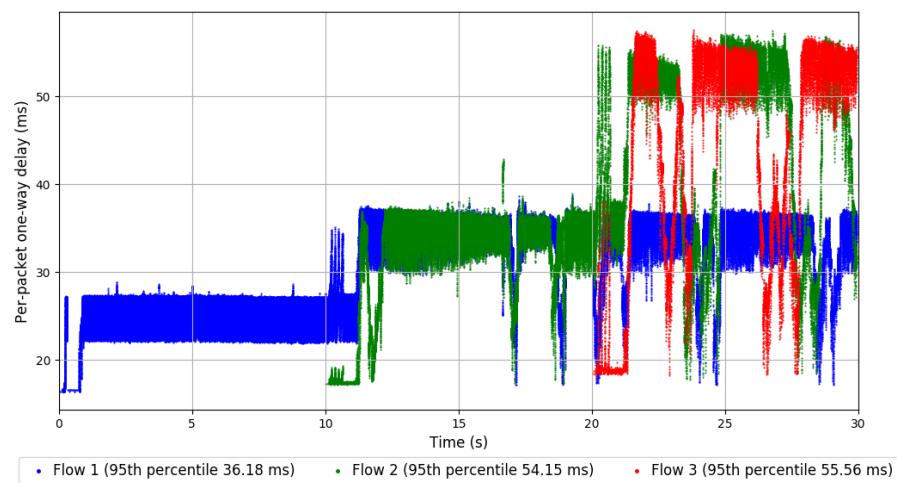
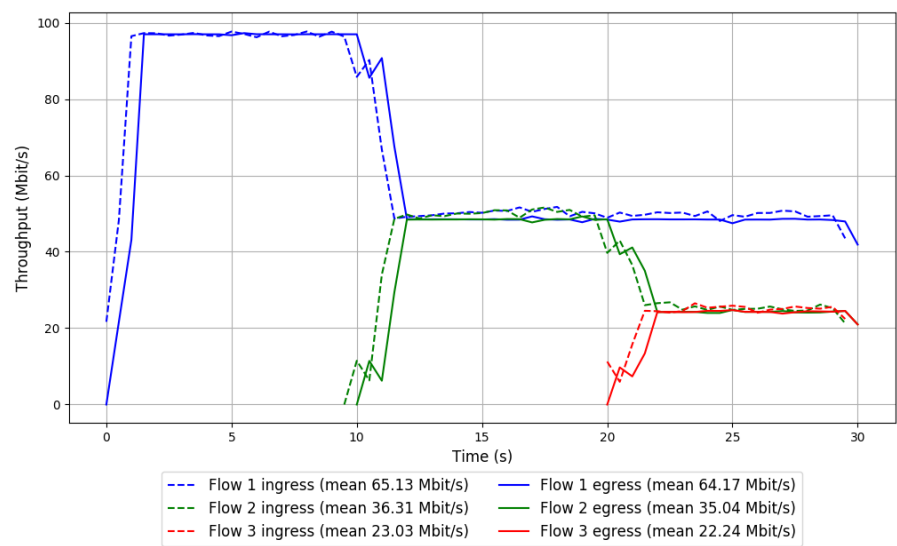


Run 5: Statistics of FillP

Start at: 2018-06-06 04:21:14
End at: 2018-06-06 04:21:44
Local clock offset: 0.294 ms
Remote clock offset: -8.406 ms

Below is generated by plot.py at 2018-06-06 06:08:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.86 Mbit/s
95th percentile per-packet one-way delay: 53.022 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 64.17 Mbit/s
95th percentile per-packet one-way delay: 36.181 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 35.04 Mbit/s
95th percentile per-packet one-way delay: 54.152 ms
Loss rate: 3.62%
-- Flow 3:
Average throughput: 22.24 Mbit/s
95th percentile per-packet one-way delay: 55.565 ms
Loss rate: 3.68%

Run 5: Report of FillP — Data Link

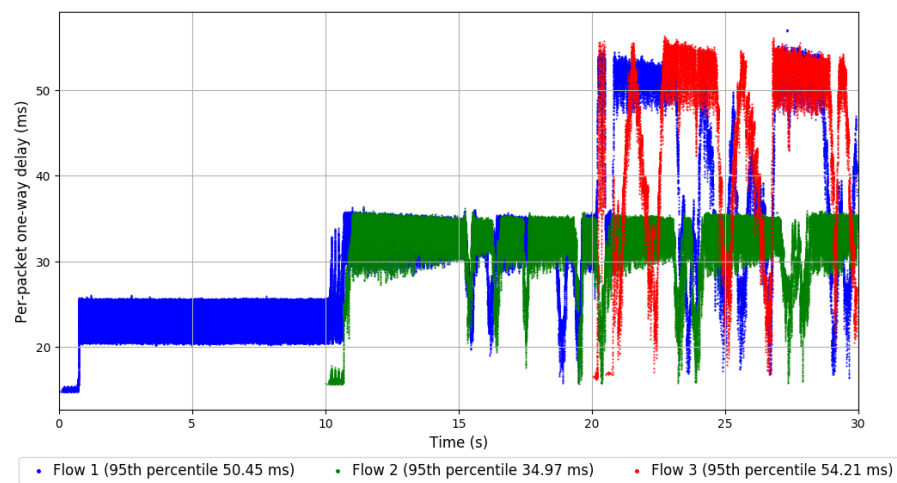
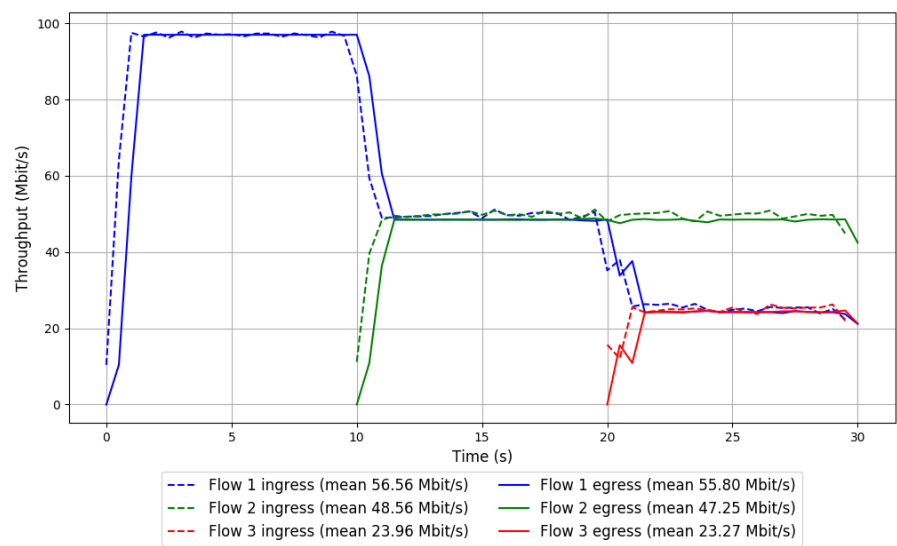


Run 6: Statistics of FillP

Start at: 2018-06-06 04:40:06
End at: 2018-06-06 04:40:36
Local clock offset: 0.658 ms
Remote clock offset: -12.441 ms

Below is generated by plot.py at 2018-06-06 06:08:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 51.361 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 55.80 Mbit/s
95th percentile per-packet one-way delay: 50.452 ms
Loss rate: 1.41%
-- Flow 2:
Average throughput: 47.25 Mbit/s
95th percentile per-packet one-way delay: 34.965 ms
Loss rate: 2.85%
-- Flow 3:
Average throughput: 23.27 Mbit/s
95th percentile per-packet one-way delay: 54.212 ms
Loss rate: 3.07%

Run 6: Report of FillP — Data Link

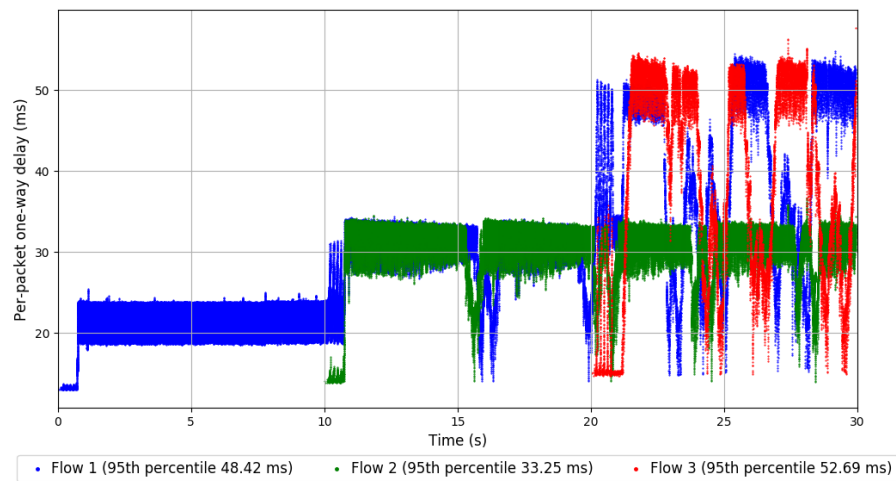
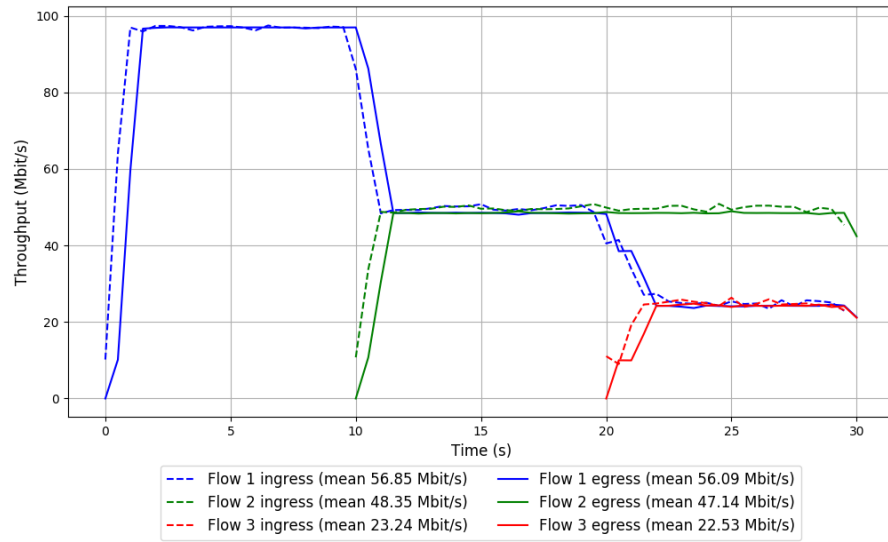


Run 7: Statistics of FillP

Start at: 2018-06-06 04:59:04
End at: 2018-06-06 04:59:34
Local clock offset: -6.072 ms
Remote clock offset: -15.11 ms

Below is generated by plot.py at 2018-06-06 06:08:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.91 Mbit/s
95th percentile per-packet one-way delay: 49.202 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 56.09 Mbit/s
95th percentile per-packet one-way delay: 48.423 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 47.14 Mbit/s
95th percentile per-packet one-way delay: 33.247 ms
Loss rate: 2.67%
-- Flow 3:
Average throughput: 22.53 Mbit/s
95th percentile per-packet one-way delay: 52.692 ms
Loss rate: 3.18%

Run 7: Report of FillP — Data Link

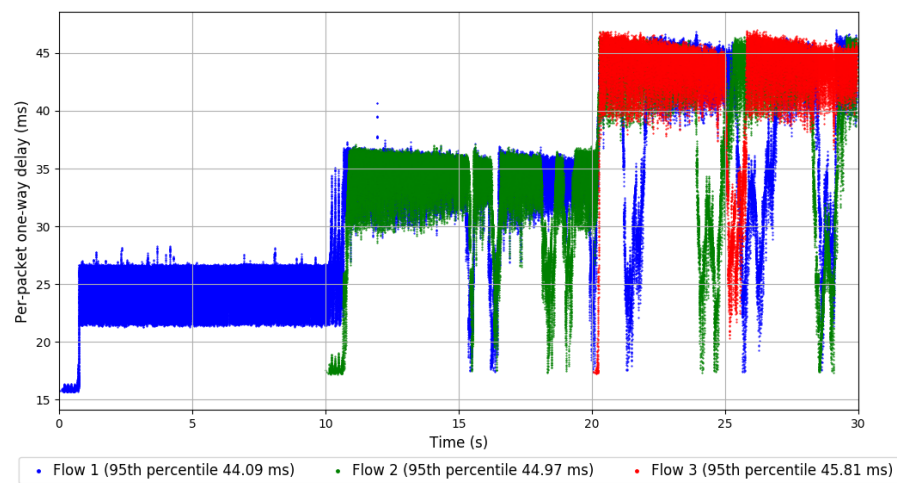
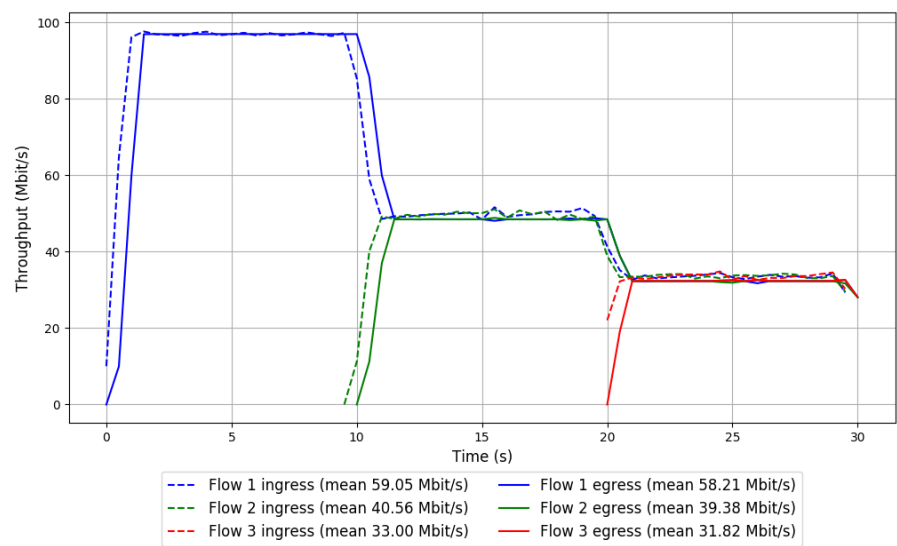


Run 8: Statistics of FillP

Start at: 2018-06-06 05:18:12
End at: 2018-06-06 05:18:42
Local clock offset: 0.275 ms
Remote clock offset: -10.79 ms

Below is generated by plot.py at 2018-06-06 06:08:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.95 Mbit/s
95th percentile per-packet one-way delay: 44.972 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 58.21 Mbit/s
95th percentile per-packet one-way delay: 44.088 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 39.38 Mbit/s
95th percentile per-packet one-way delay: 44.974 ms
Loss rate: 3.12%
-- Flow 3:
Average throughput: 31.82 Mbit/s
95th percentile per-packet one-way delay: 45.808 ms
Loss rate: 3.96%

Run 8: Report of FillP — Data Link

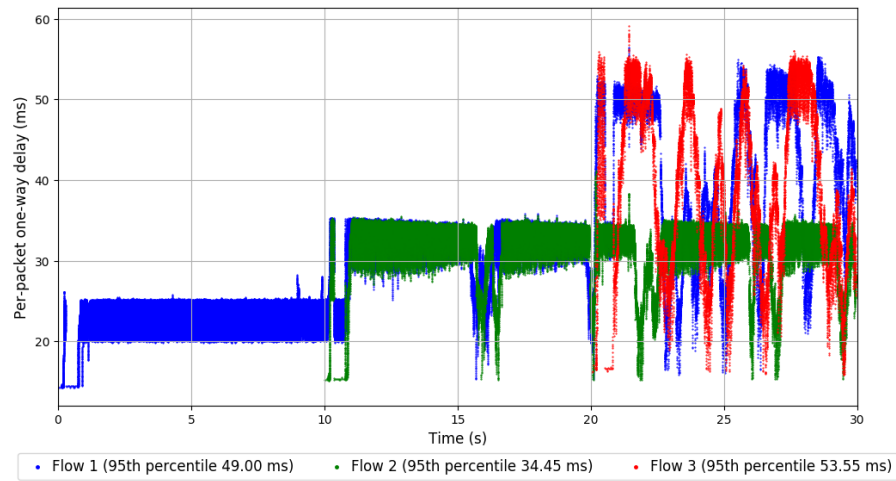
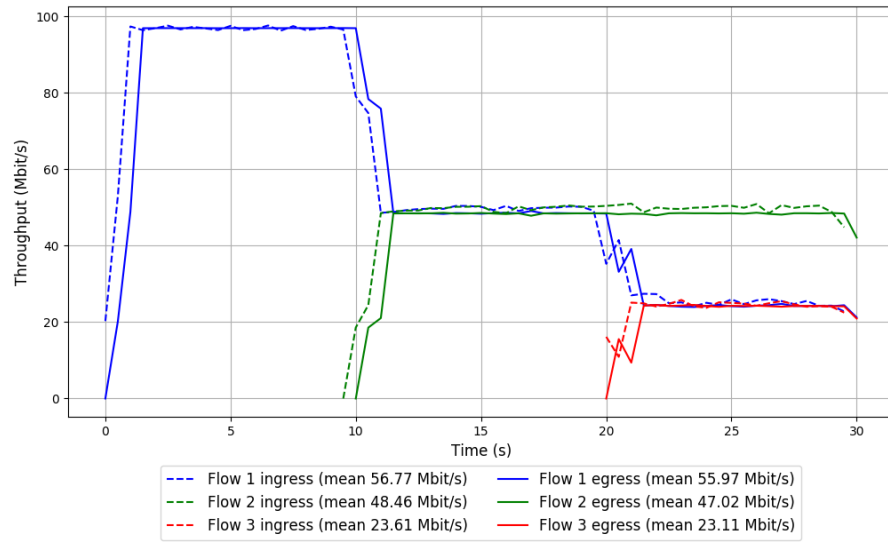


Run 9: Statistics of FillP

Start at: 2018-06-06 05:37:31
End at: 2018-06-06 05:38:01
Local clock offset: -0.21 ms
Remote clock offset: -8.927 ms

Below is generated by plot.py at 2018-06-06 06:09:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 48.980 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 55.97 Mbit/s
95th percentile per-packet one-way delay: 49.003 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 47.02 Mbit/s
95th percentile per-packet one-way delay: 34.451 ms
Loss rate: 3.09%
-- Flow 3:
Average throughput: 23.11 Mbit/s
95th percentile per-packet one-way delay: 53.546 ms
Loss rate: 2.29%

Run 9: Report of FillP — Data Link

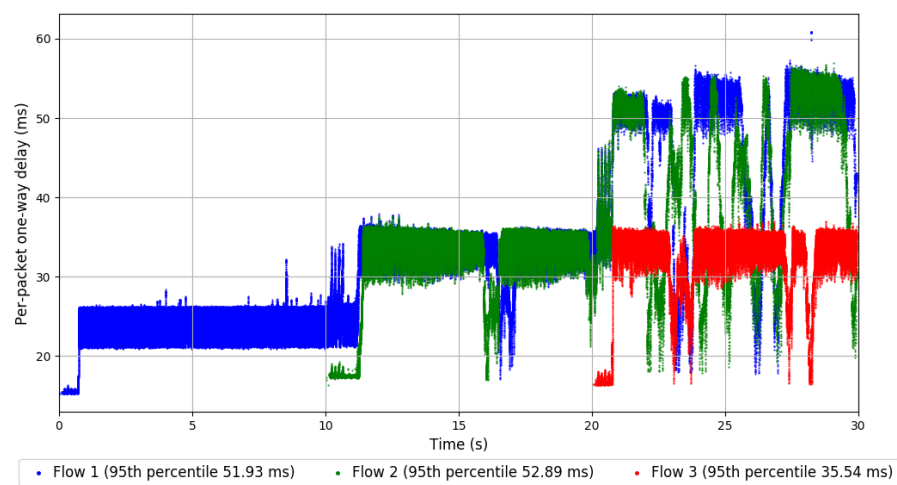
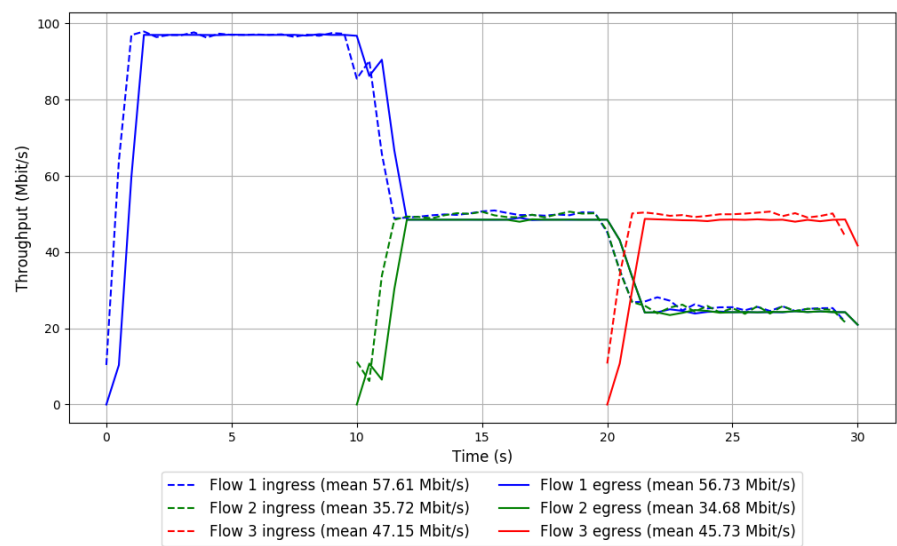


Run 10: Statistics of FillP

Start at: 2018-06-06 05:56:30
End at: 2018-06-06 05:57:00
Local clock offset: -0.24 ms
Remote clock offset: -4.492 ms

Below is generated by plot.py at 2018-06-06 06:09:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 51.839 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 56.73 Mbit/s
95th percentile per-packet one-way delay: 51.926 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 34.68 Mbit/s
95th percentile per-packet one-way delay: 52.886 ms
Loss rate: 3.01%
-- Flow 3:
Average throughput: 45.73 Mbit/s
95th percentile per-packet one-way delay: 35.543 ms
Loss rate: 3.29%

Run 10: Report of FillP — Data Link

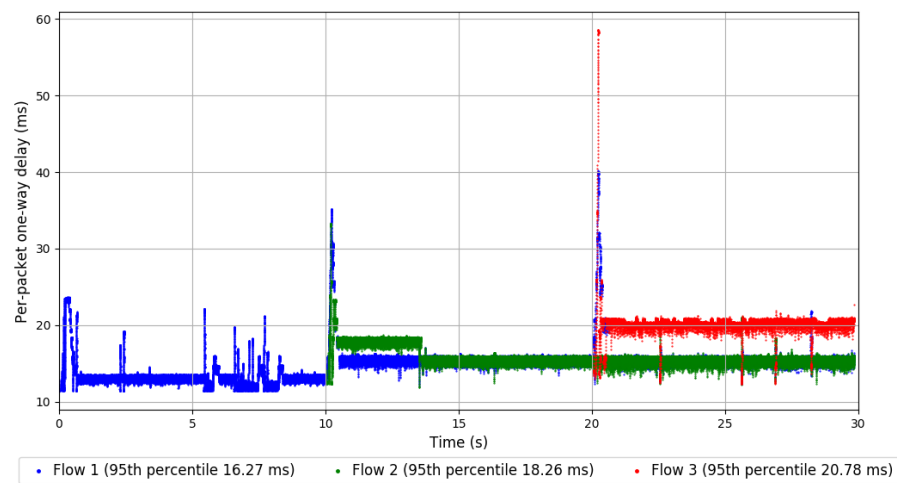
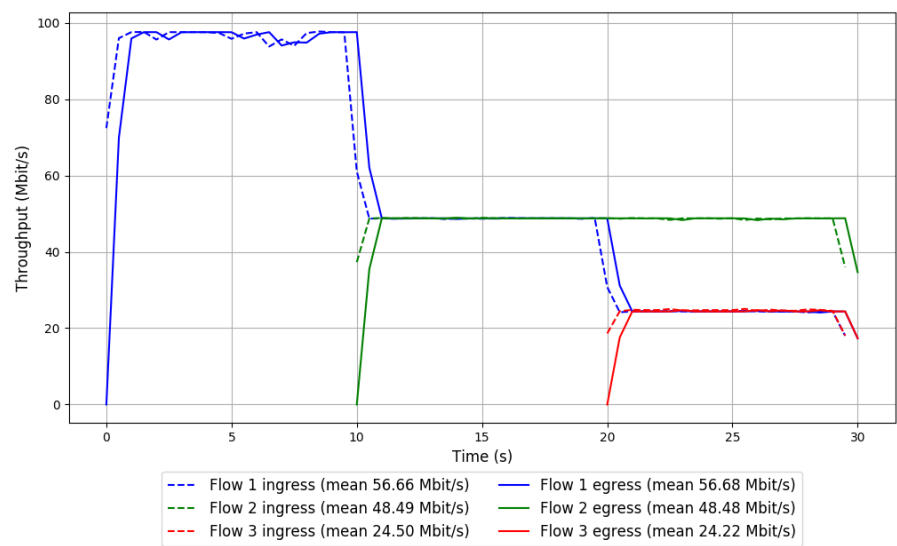


Run 1: Statistics of Indigo

Start at: 2018-06-06 03:06:52
End at: 2018-06-06 03:07:22
Local clock offset: -3.53 ms
Remote clock offset: -0.703 ms

Below is generated by plot.py at 2018-06-06 06:09:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 20.294 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 56.68 Mbit/s
95th percentile per-packet one-way delay: 16.268 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 48.48 Mbit/s
95th percentile per-packet one-way delay: 18.257 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 20.779 ms
Loss rate: 1.35%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-06-06 03:25:48

End at: 2018-06-06 03:26:18

Local clock offset: 2.041 ms

Remote clock offset: 0.684 ms

Below is generated by plot.py at 2018-06-06 06:09:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.05 Mbit/s

95th percentile per-packet one-way delay: 26.038 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 56.89 Mbit/s

95th percentile per-packet one-way delay: 21.894 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 36.56 Mbit/s

95th percentile per-packet one-way delay: 26.719 ms

Loss rate: 1.13%

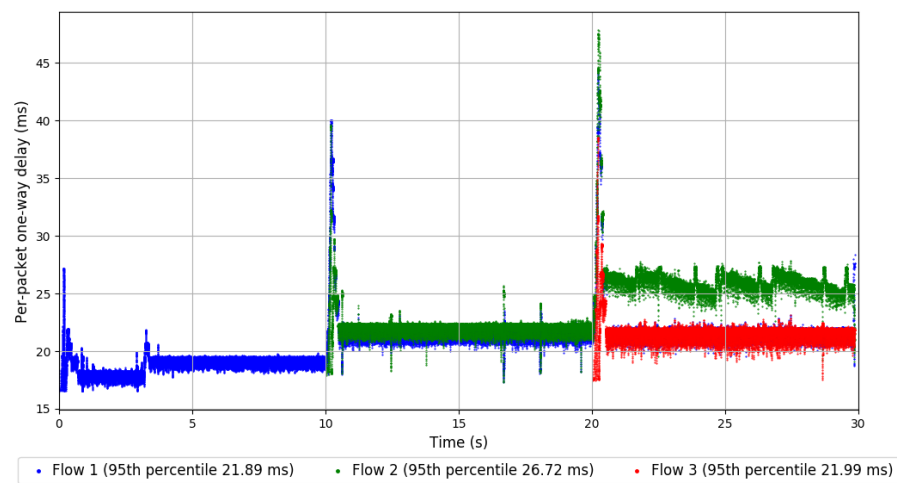
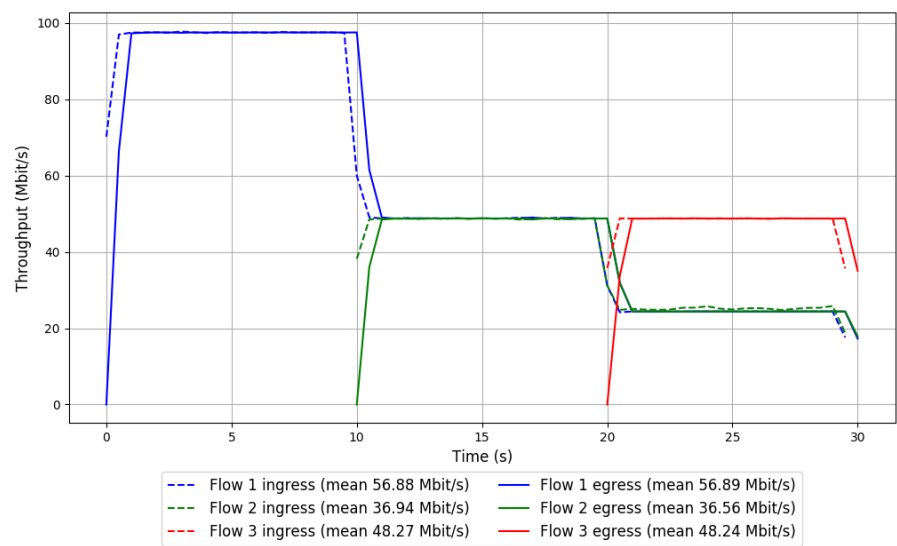
-- Flow 3:

Average throughput: 48.24 Mbit/s

95th percentile per-packet one-way delay: 21.993 ms

Loss rate: 0.29%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-06-06 03:44:40

End at: 2018-06-06 03:45:10

Local clock offset: -4.438 ms

Remote clock offset: -1.82 ms

Below is generated by plot.py at 2018-06-06 06:09:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.04 Mbit/s

95th percentile per-packet one-way delay: 20.519 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 56.88 Mbit/s

95th percentile per-packet one-way delay: 20.483 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 48.48 Mbit/s

95th percentile per-packet one-way delay: 20.522 ms

Loss rate: 0.15%

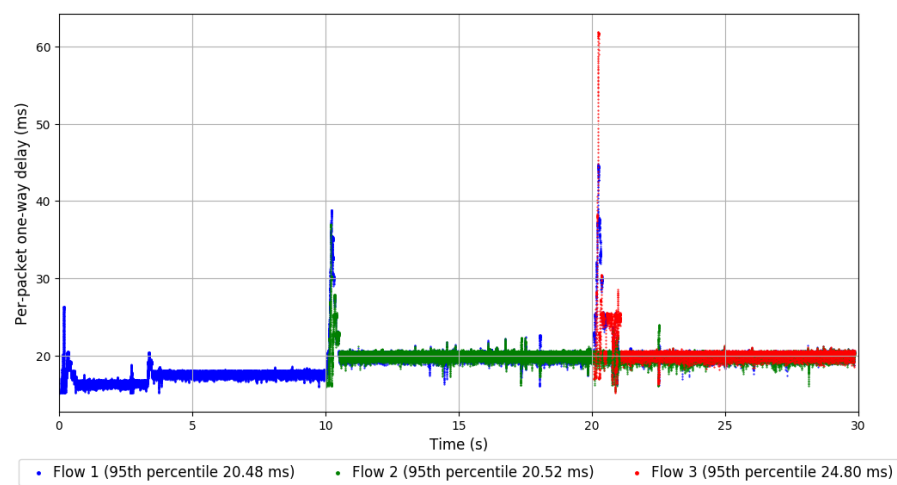
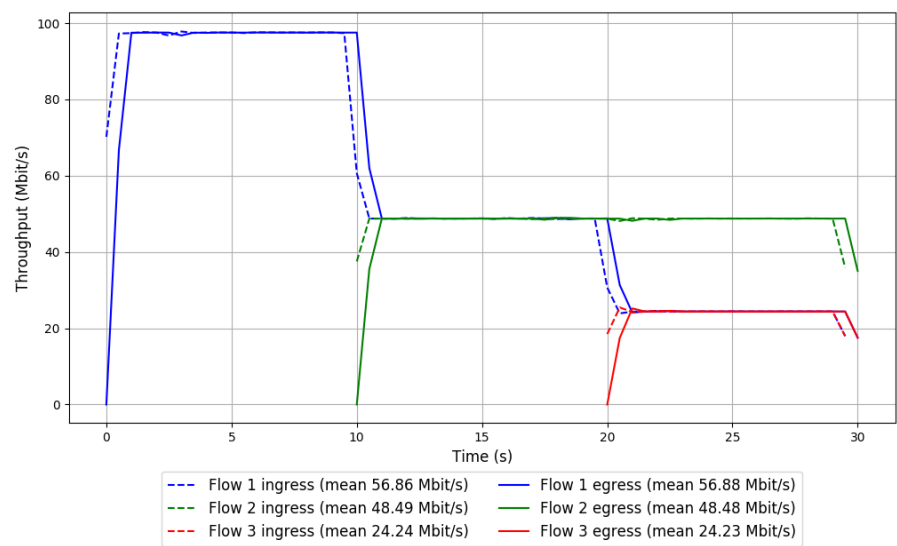
-- Flow 3:

Average throughput: 24.23 Mbit/s

95th percentile per-packet one-way delay: 24.800 ms

Loss rate: 0.32%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-06-06 04:03:19

End at: 2018-06-06 04:03:49

Local clock offset: -1.283 ms

Remote clock offset: 3.657 ms

Below is generated by plot.py at 2018-06-06 06:09:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.05 Mbit/s

95th percentile per-packet one-way delay: 22.136 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 59.51 Mbit/s

95th percentile per-packet one-way delay: 20.414 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 40.54 Mbit/s

95th percentile per-packet one-way delay: 20.841 ms

Loss rate: 0.12%

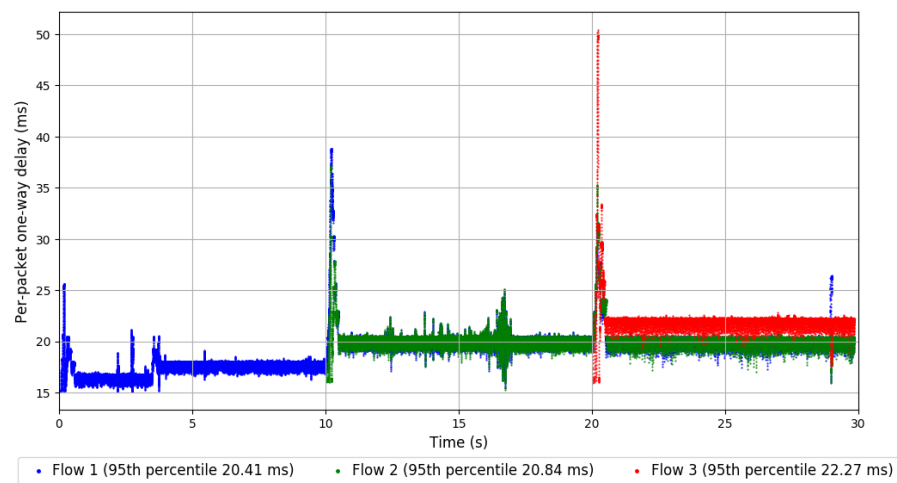
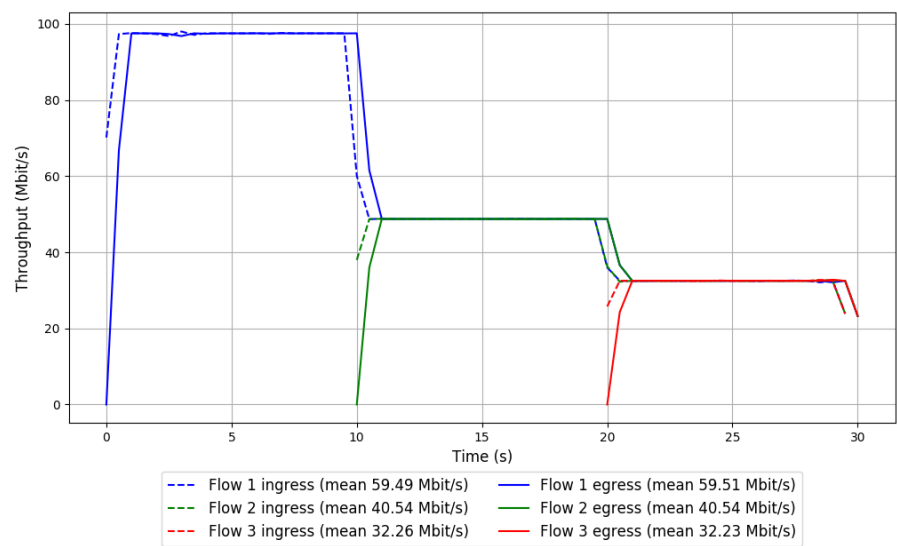
-- Flow 3:

Average throughput: 32.23 Mbit/s

95th percentile per-packet one-way delay: 22.268 ms

Loss rate: 0.32%

Run 4: Report of Indigo — Data Link

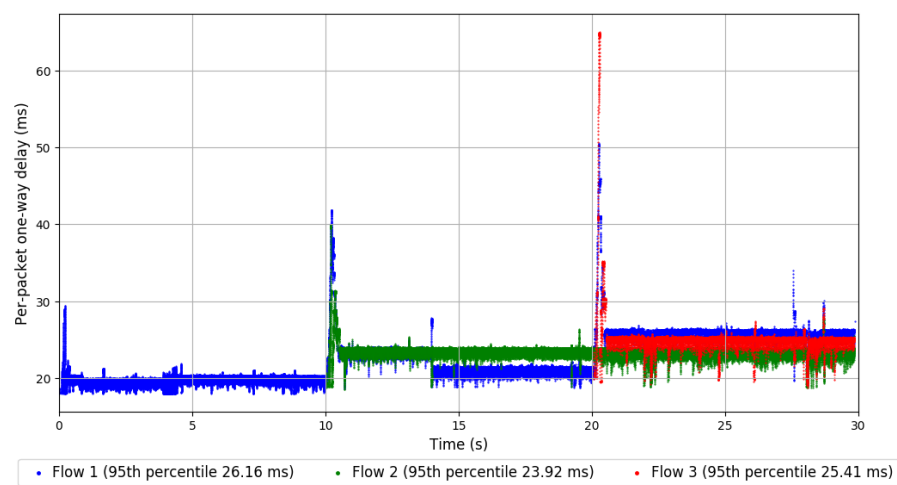
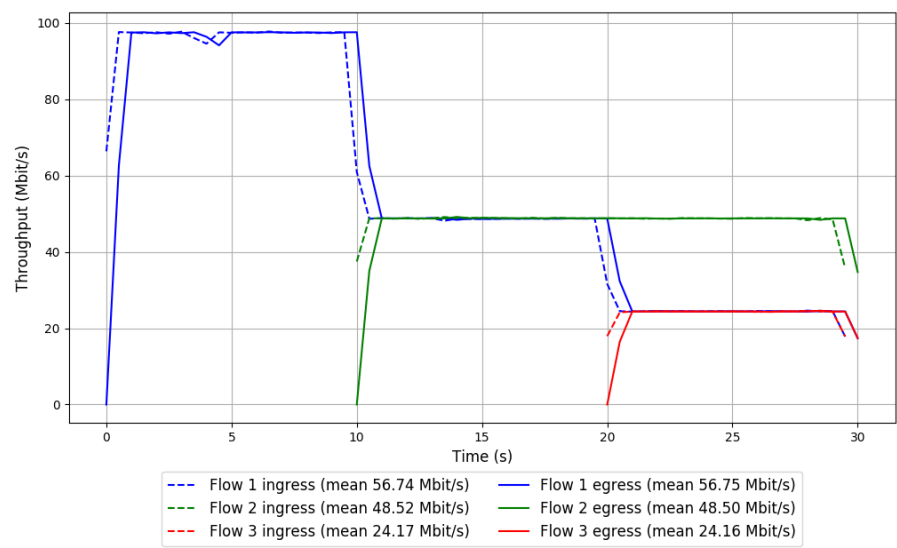


Run 5: Statistics of Indigo

Start at: 2018-06-06 04:22:25
End at: 2018-06-06 04:22:55
Local clock offset: 1.632 ms
Remote clock offset: -9.061 ms

Below is generated by plot.py at 2018-06-06 06:09:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 26.073 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.75 Mbit/s
95th percentile per-packet one-way delay: 26.159 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 48.50 Mbit/s
95th percentile per-packet one-way delay: 23.924 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 25.413 ms
Loss rate: 0.34%

Run 5: Report of Indigo — Data Link

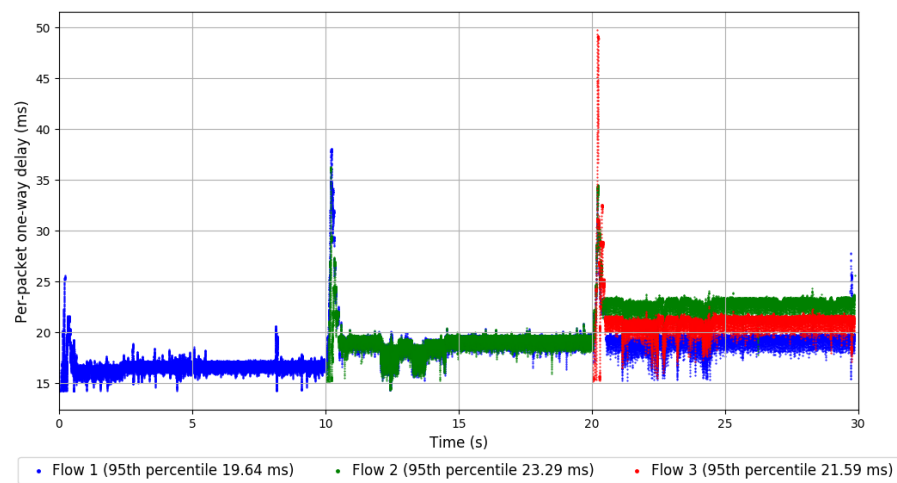
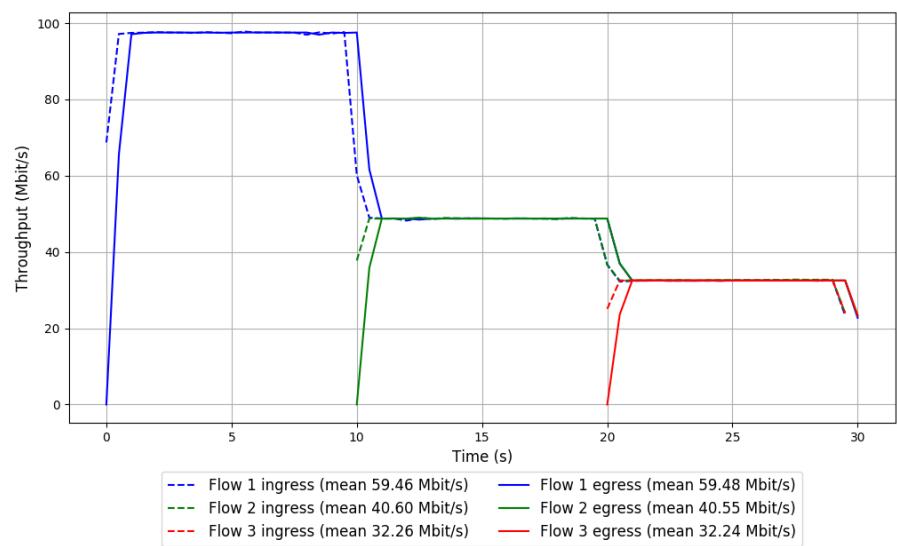


Run 6: Statistics of Indigo

Start at: 2018-06-06 04:41:15
End at: 2018-06-06 04:41:45
Local clock offset: -0.439 ms
Remote clock offset: -12.531 ms

Below is generated by plot.py at 2018-06-06 06:10:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 23.074 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 59.48 Mbit/s
95th percentile per-packet one-way delay: 19.644 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 23.288 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 32.24 Mbit/s
95th percentile per-packet one-way delay: 21.594 ms
Loss rate: 0.33%

Run 6: Report of Indigo — Data Link

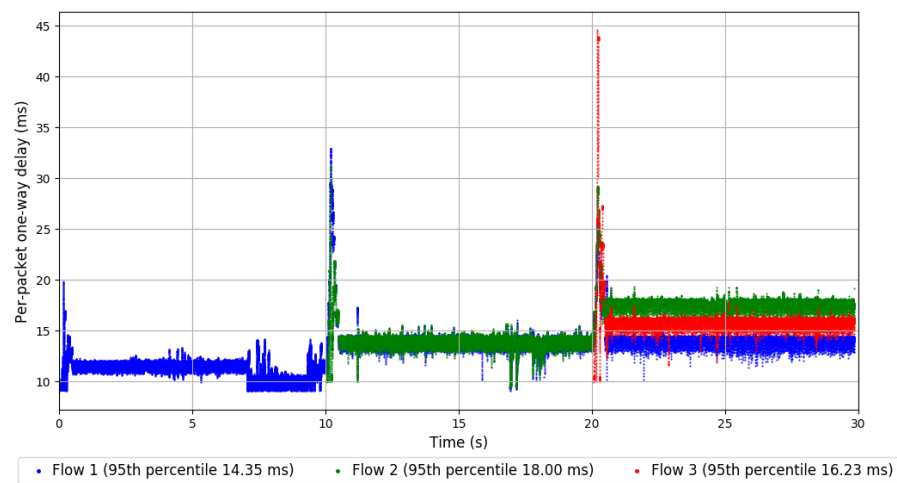
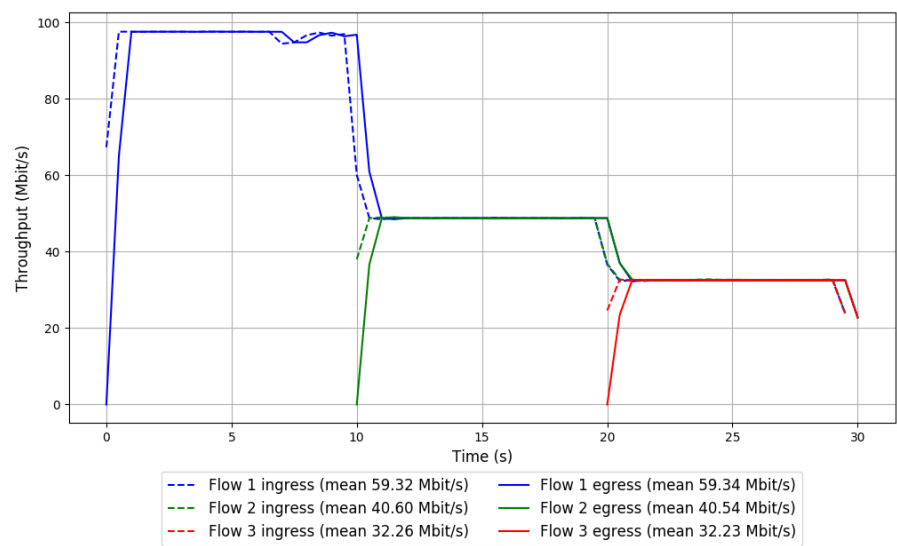


Run 7: Statistics of Indigo

Start at: 2018-06-06 05:00:14
End at: 2018-06-06 05:00:44
Local clock offset: -5.514 ms
Remote clock offset: -10.523 ms

Below is generated by plot.py at 2018-06-06 06:10:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 17.849 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 59.34 Mbit/s
95th percentile per-packet one-way delay: 14.346 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 17.999 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 16.229 ms
Loss rate: 0.33%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-06 05:19:22

End at: 2018-06-06 05:19:52

Local clock offset: 0.24 ms

Remote clock offset: -9.69 ms

Below is generated by plot.py at 2018-06-06 06:10:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.91 Mbit/s

95th percentile per-packet one-way delay: 22.515 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 56.78 Mbit/s

95th percentile per-packet one-way delay: 20.176 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 36.63 Mbit/s

95th percentile per-packet one-way delay: 22.669 ms

Loss rate: 0.11%

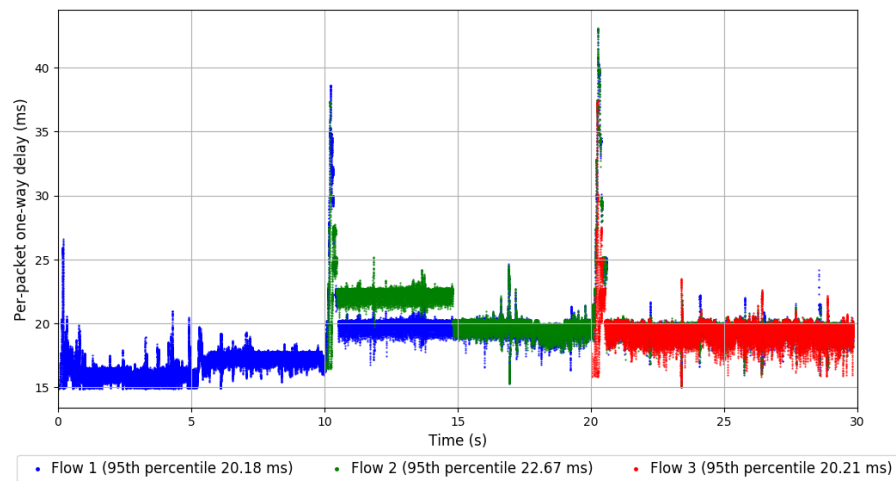
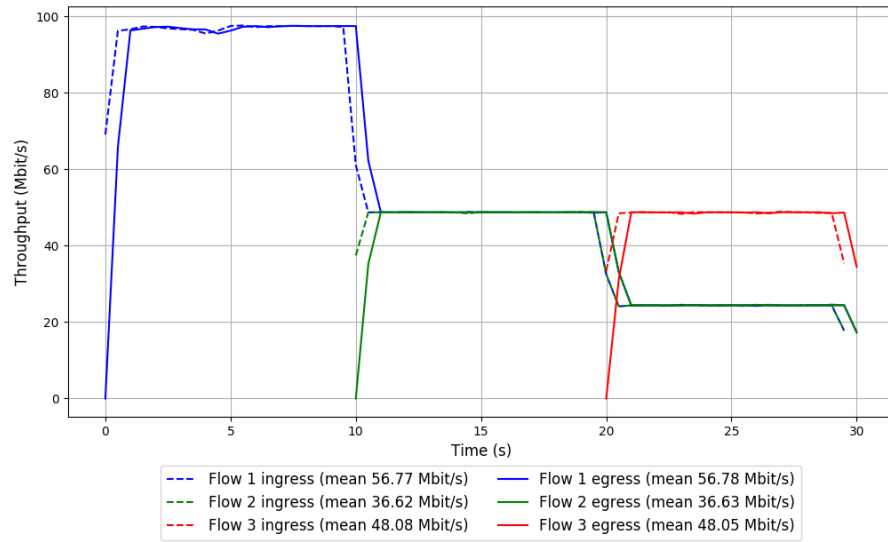
-- Flow 3:

Average throughput: 48.05 Mbit/s

95th percentile per-packet one-way delay: 20.209 ms

Loss rate: 0.30%

Run 8: Report of Indigo — Data Link

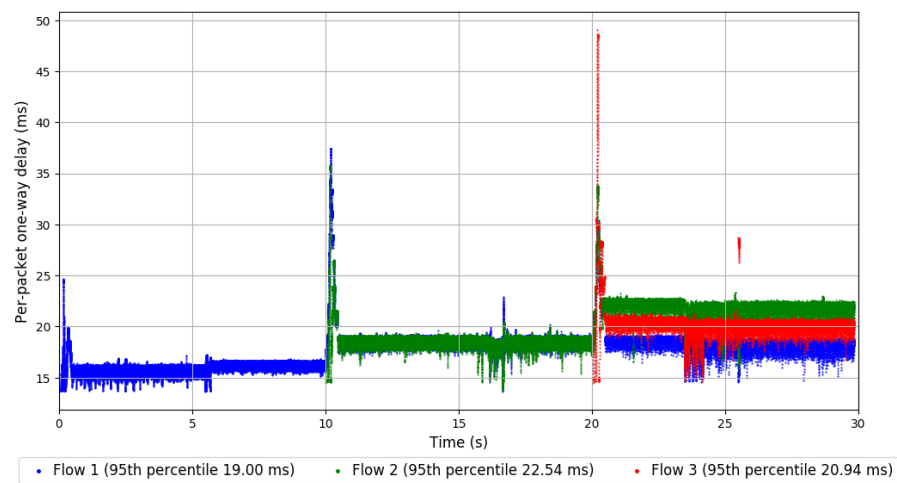
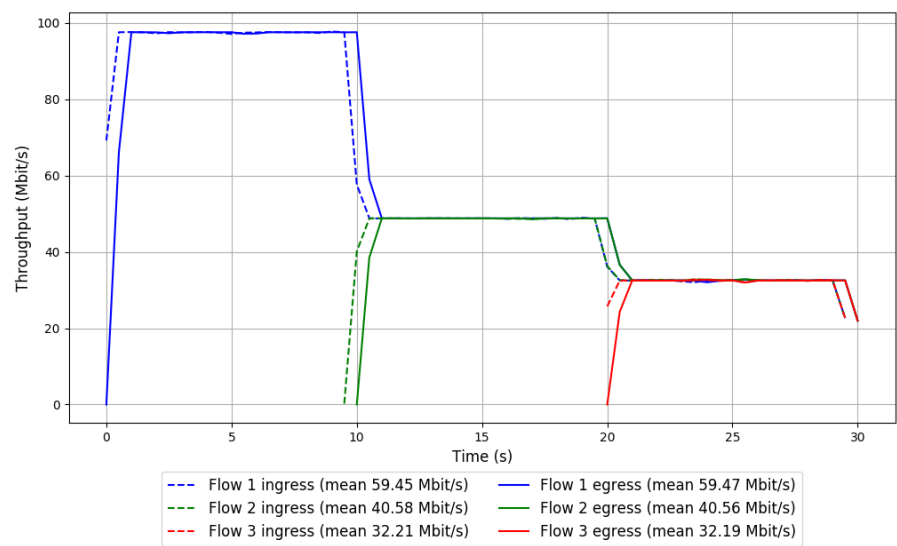


Run 9: Statistics of Indigo

Start at: 2018-06-06 05:38:43
End at: 2018-06-06 05:39:13
Local clock offset: -1.886 ms
Remote clock offset: -9.911 ms

Below is generated by plot.py at 2018-06-06 06:10:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.02 Mbit/s
95th percentile per-packet one-way delay: 22.195 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.47 Mbit/s
95th percentile per-packet one-way delay: 19.003 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 22.538 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 20.939 ms
Loss rate: 0.31%

Run 9: Report of Indigo — Data Link

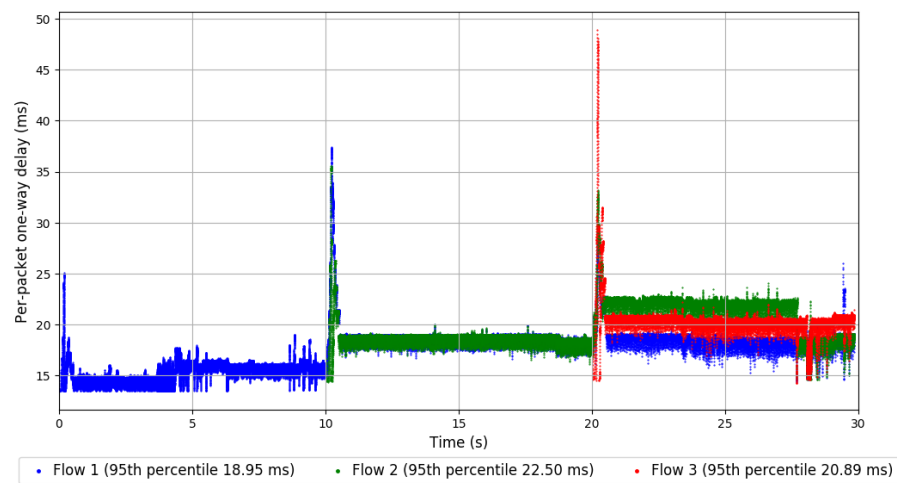
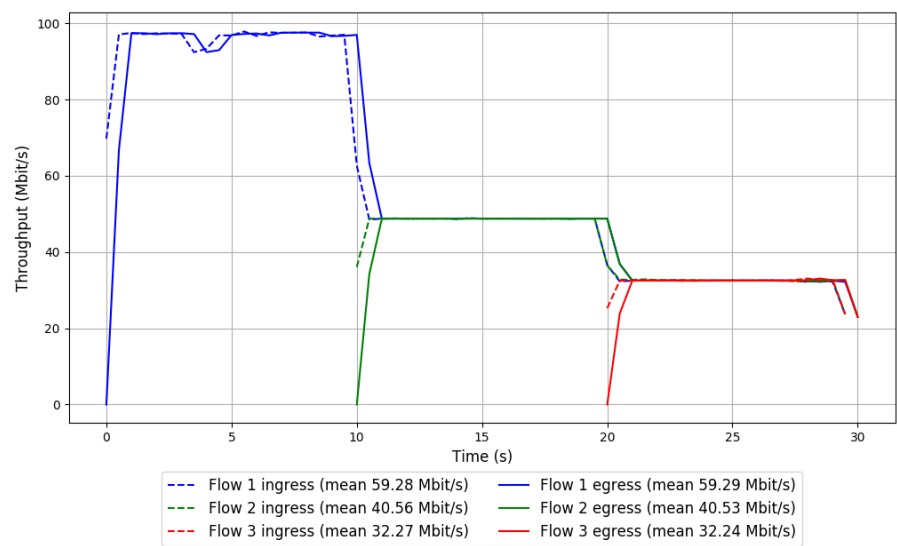


Run 10: Statistics of Indigo

Start at: 2018-06-06 05:57:40
End at: 2018-06-06 05:58:10
Local clock offset: -0.84 ms
Remote clock offset: -2.606 ms

Below is generated by plot.py at 2018-06-06 06:11:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 22.143 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.29 Mbit/s
95th percentile per-packet one-way delay: 18.945 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.53 Mbit/s
95th percentile per-packet one-way delay: 22.504 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 32.24 Mbit/s
95th percentile per-packet one-way delay: 20.887 ms
Loss rate: 0.32%

Run 10: Report of Indigo — Data Link

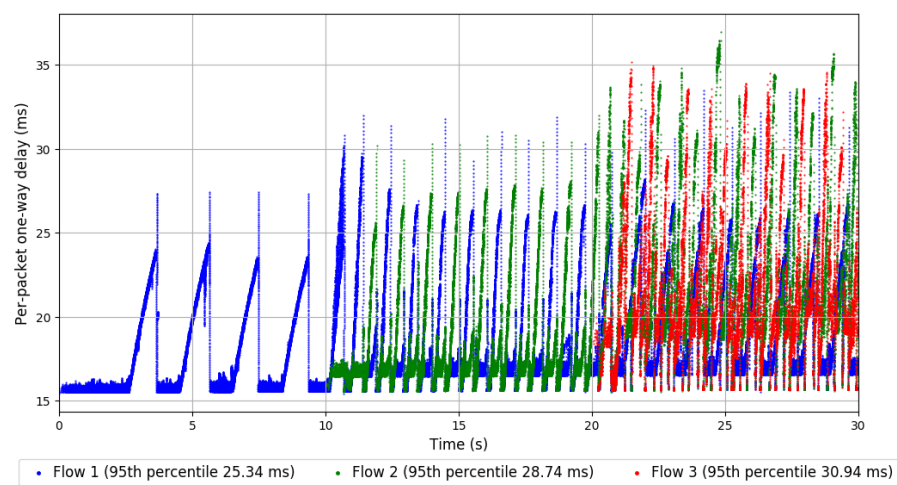
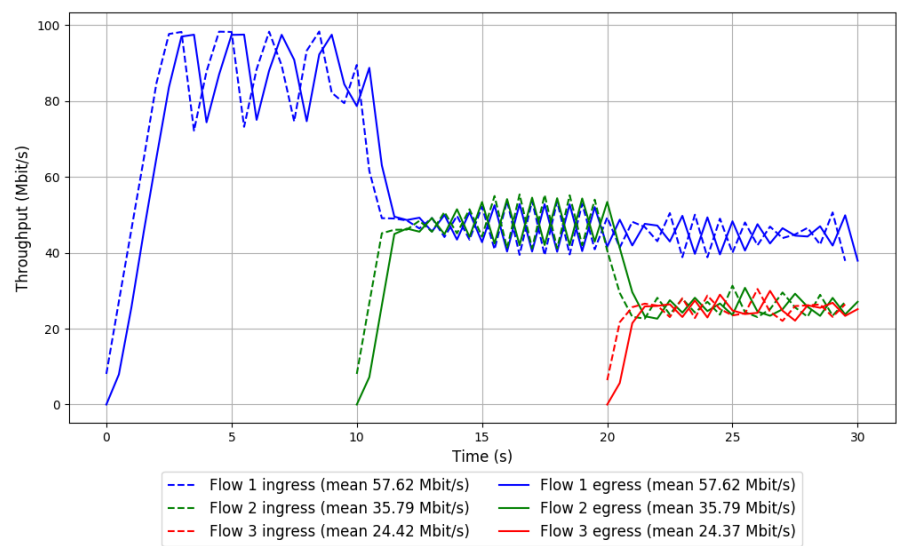


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-06 02:58:49
End at: 2018-06-06 02:59:19
Local clock offset: 0.089 ms
Remote clock offset: -2.577 ms

# Below is generated by plot.py at 2018-06-06 06:11:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.53 Mbit/s
95th percentile per-packet one-way delay: 26.543 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 57.62 Mbit/s
95th percentile per-packet one-way delay: 25.345 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 35.79 Mbit/s
95th percentile per-packet one-way delay: 28.744 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 30.938 ms
Loss rate: 0.46%
```

Run 1: Report of LEDBAT — Data Link

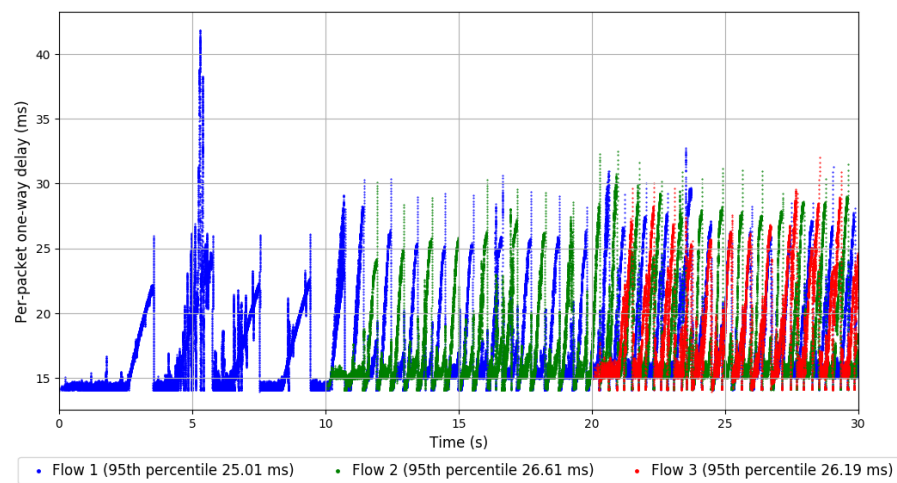
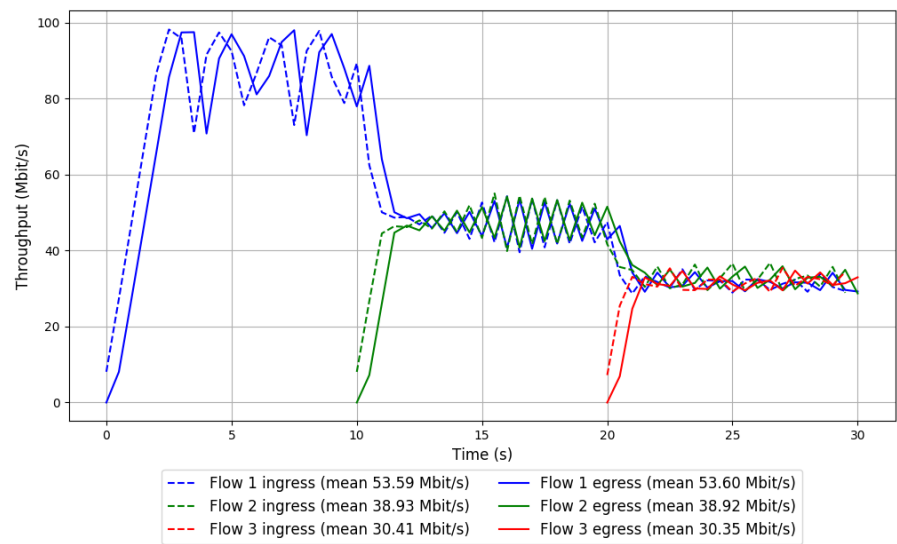


```
Run 2: Statistics of LEDBAT

Start at: 2018-06-06 03:17:34
End at: 2018-06-06 03:18:04
Local clock offset: -0.425 ms
Remote clock offset: 0.188 ms

# Below is generated by plot.py at 2018-06-06 06:11:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.58 Mbit/s
95th percentile per-packet one-way delay: 25.684 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 53.60 Mbit/s
95th percentile per-packet one-way delay: 25.010 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.92 Mbit/s
95th percentile per-packet one-way delay: 26.608 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 30.35 Mbit/s
95th percentile per-packet one-way delay: 26.188 ms
Loss rate: 0.44%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-06-06 03:36:25

End at: 2018-06-06 03:36:55

Local clock offset: -1.617 ms

Remote clock offset: 1.132 ms

Below is generated by plot.py at 2018-06-06 06:11:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.56 Mbit/s

95th percentile per-packet one-way delay: 24.571 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 53.98 Mbit/s

95th percentile per-packet one-way delay: 23.725 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 38.30 Mbit/s

95th percentile per-packet one-way delay: 24.757 ms

Loss rate: 0.12%

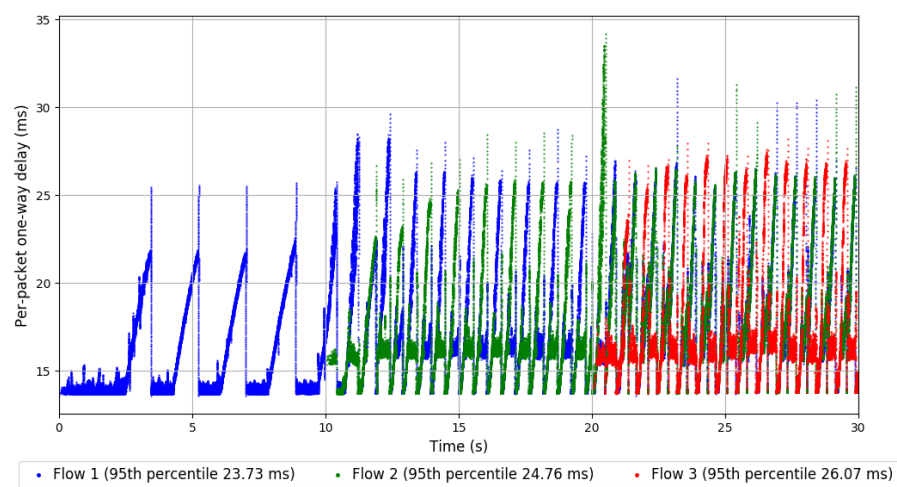
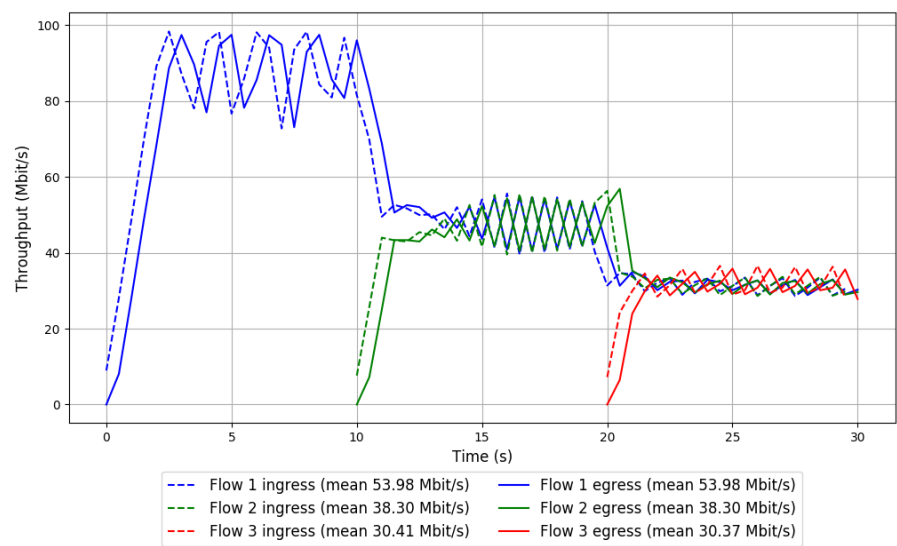
-- Flow 3:

Average throughput: 30.37 Mbit/s

95th percentile per-packet one-way delay: 26.071 ms

Loss rate: 0.38%

Run 3: Report of LEDBAT — Data Link

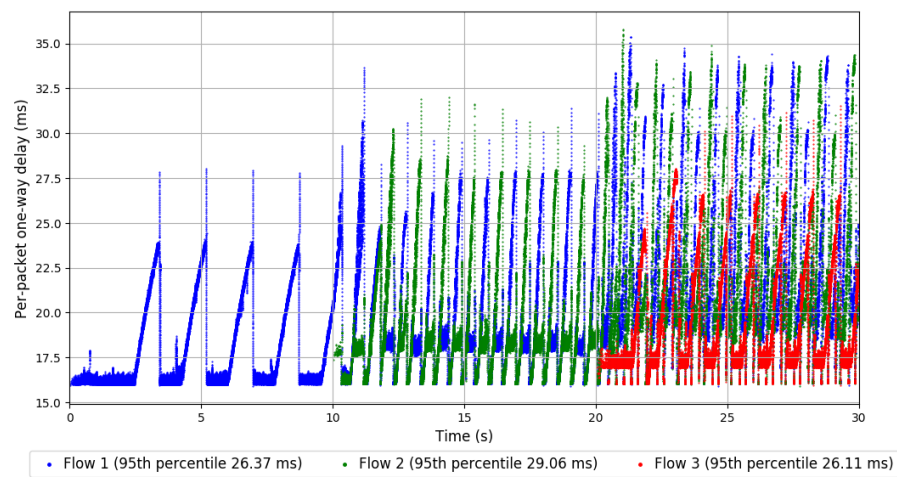
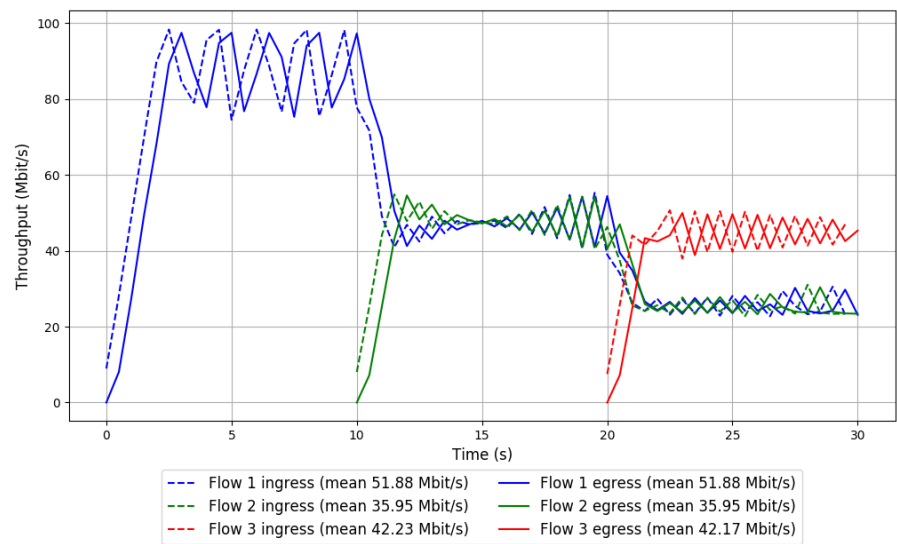


Run 4: Statistics of LEDBAT

Start at: 2018-06-06 03:55:13
End at: 2018-06-06 03:55:43
Local clock offset: -0.705 ms
Remote clock offset: 2.49 ms

Below is generated by plot.py at 2018-06-06 06:11:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.81 Mbit/s
95th percentile per-packet one-way delay: 27.128 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 51.88 Mbit/s
95th percentile per-packet one-way delay: 26.373 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 35.95 Mbit/s
95th percentile per-packet one-way delay: 29.056 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 42.17 Mbit/s
95th percentile per-packet one-way delay: 26.106 ms
Loss rate: 0.40%

Run 4: Report of LEDBAT — Data Link

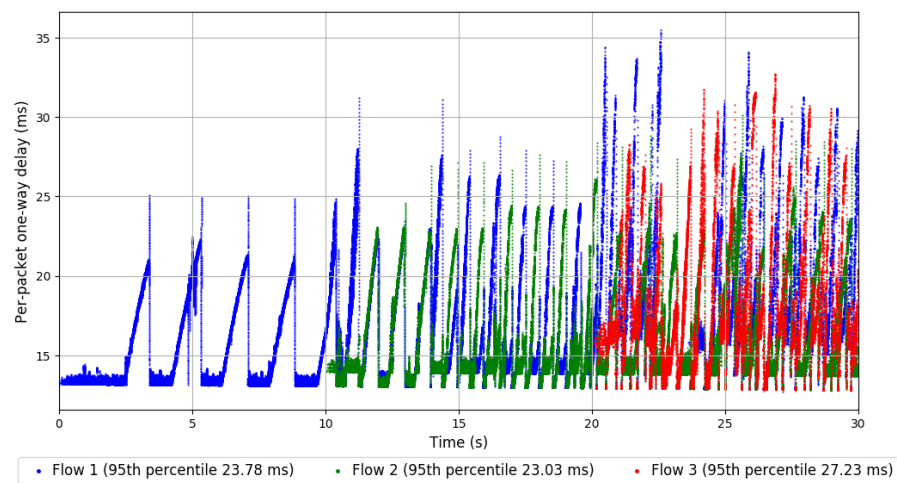
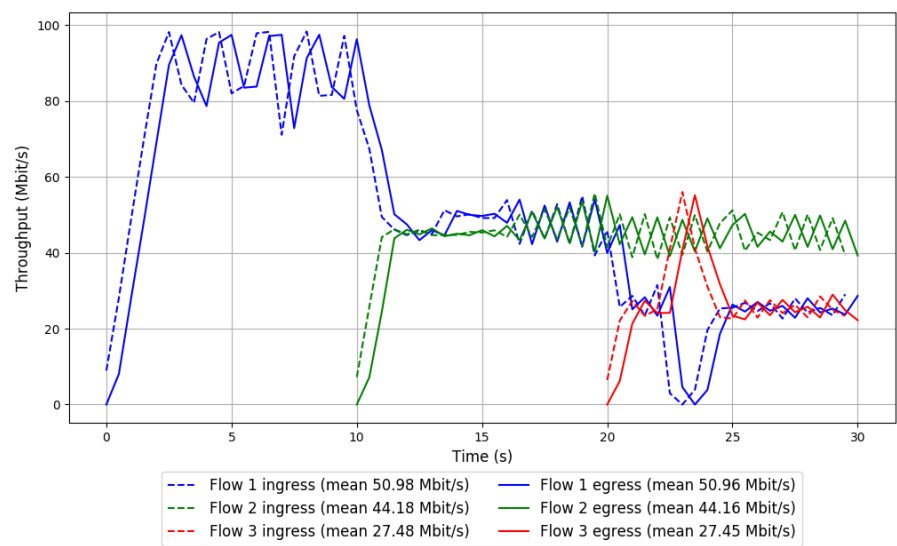


Run 5: Statistics of LEDBAT

Start at: 2018-06-06 04:14:07
End at: 2018-06-06 04:14:37
Local clock offset: -0.635 ms
Remote clock offset: -3.636 ms

Below is generated by plot.py at 2018-06-06 06:11:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.48 Mbit/s
95th percentile per-packet one-way delay: 23.917 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 50.96 Mbit/s
95th percentile per-packet one-way delay: 23.784 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 44.16 Mbit/s
95th percentile per-packet one-way delay: 23.031 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 27.45 Mbit/s
95th percentile per-packet one-way delay: 27.230 ms
Loss rate: 0.37%

Run 5: Report of LEDBAT — Data Link

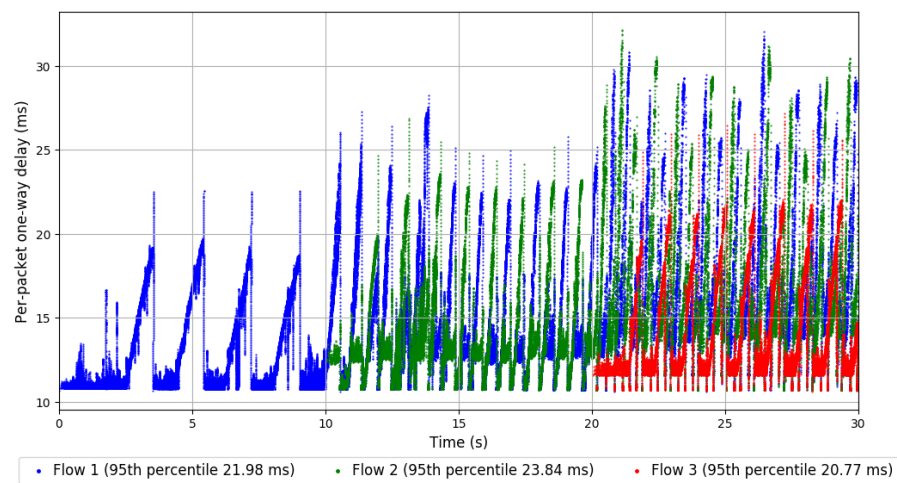
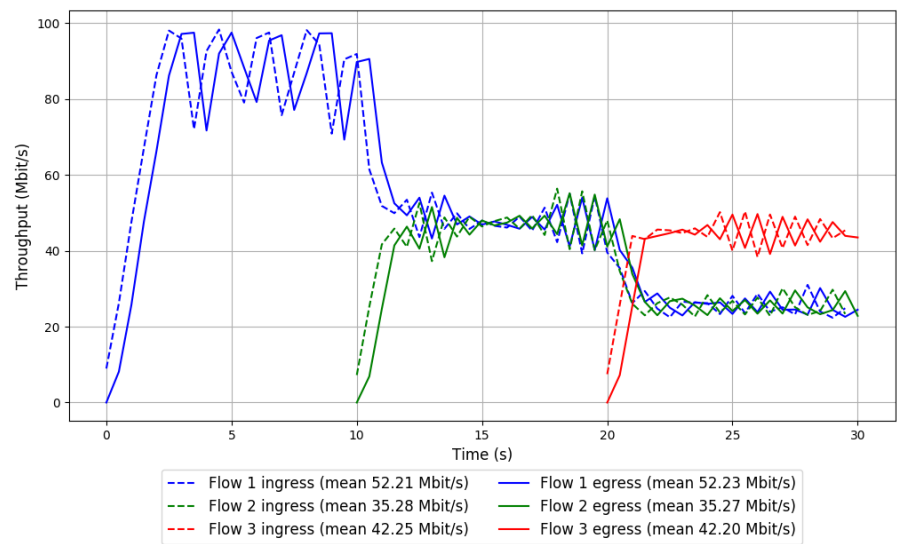


Run 6: Statistics of LEDBAT

Start at: 2018-06-06 04:33:04
End at: 2018-06-06 04:33:34
Local clock offset: -1.995 ms
Remote clock offset: -10.429 ms

Below is generated by plot.py at 2018-06-06 06:11:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.71 Mbit/s
95th percentile per-packet one-way delay: 22.200 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 52.23 Mbit/s
95th percentile per-packet one-way delay: 21.975 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 35.27 Mbit/s
95th percentile per-packet one-way delay: 23.843 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 42.20 Mbit/s
95th percentile per-packet one-way delay: 20.767 ms
Loss rate: 0.36%

Run 6: Report of LEDBAT — Data Link

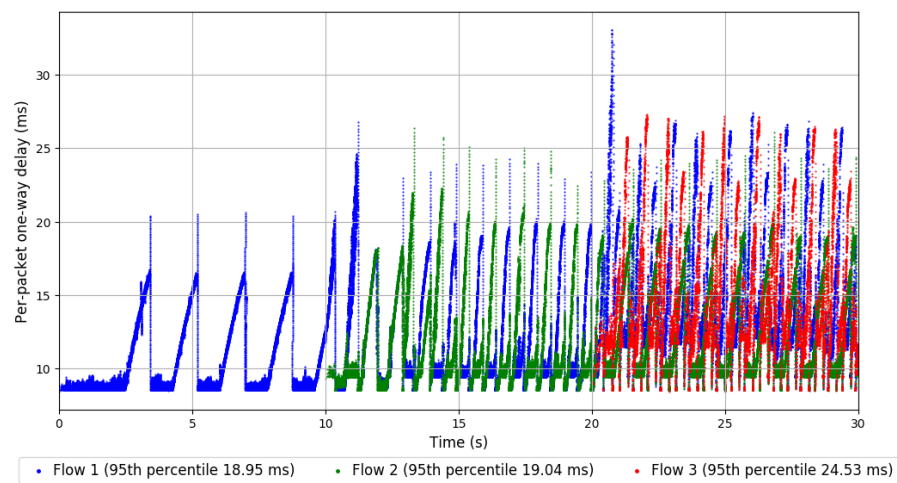
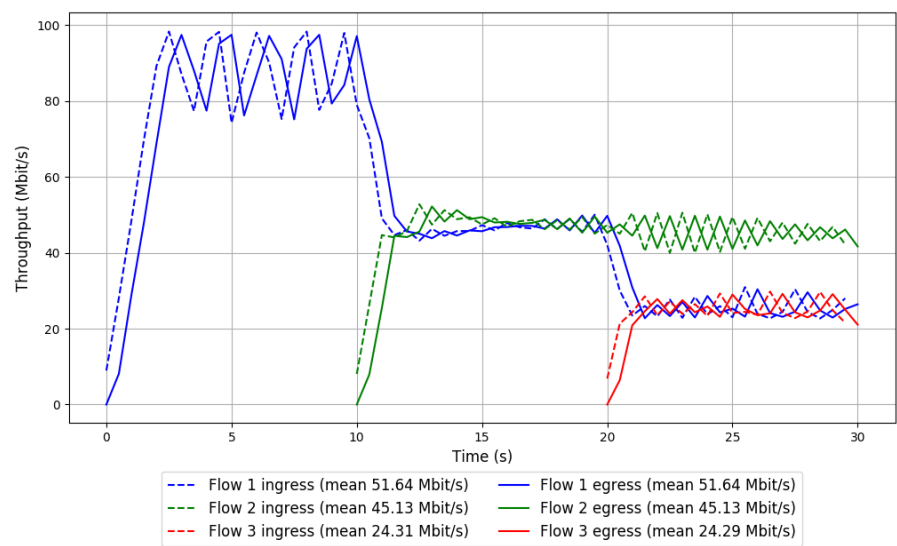


Run 7: Statistics of LEDBAT

Start at: 2018-06-06 04:52:02
End at: 2018-06-06 04:52:32
Local clock offset: -6.242 ms
Remote clock offset: -10.728 ms

Below is generated by plot.py at 2018-06-06 06:11:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.74 Mbit/s
95th percentile per-packet one-way delay: 19.466 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 51.64 Mbit/s
95th percentile per-packet one-way delay: 18.951 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 45.13 Mbit/s
95th percentile per-packet one-way delay: 19.041 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 24.527 ms
Loss rate: 0.36%

Run 7: Report of LEDBAT — Data Link

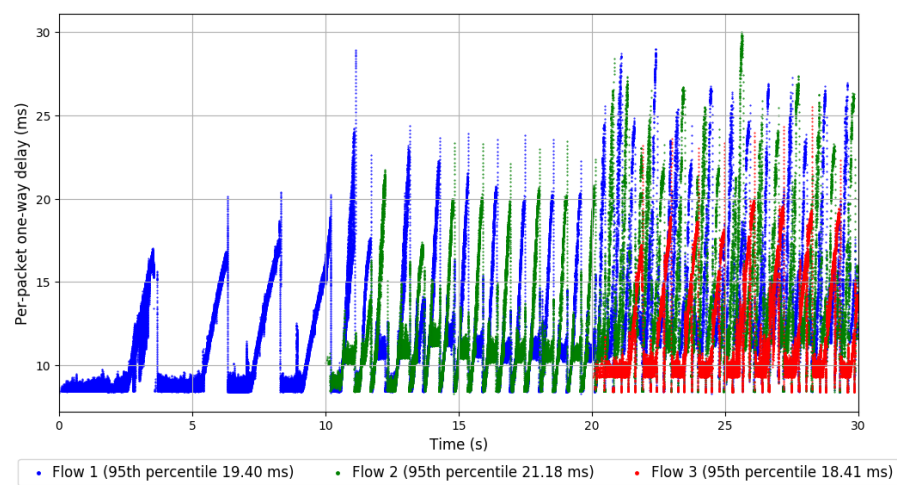
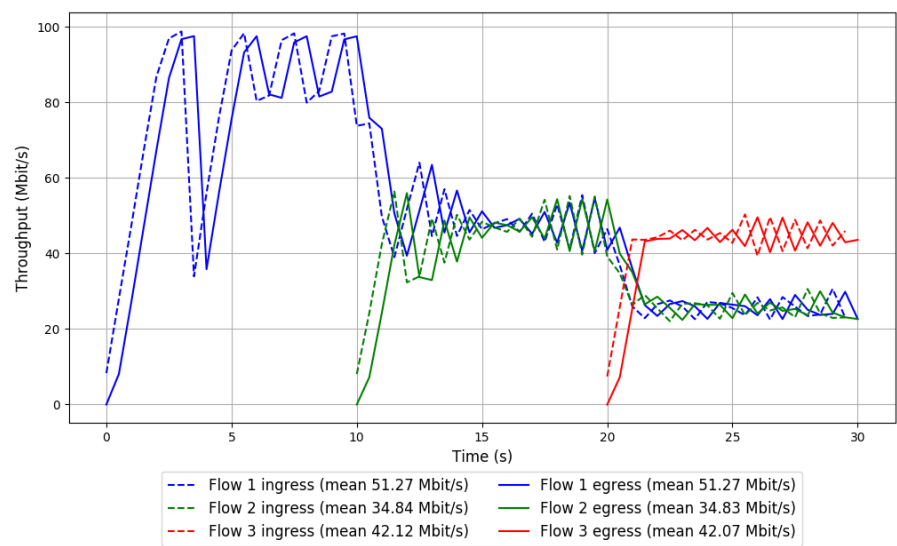


Run 8: Statistics of LEDBAT

Start at: 2018-06-06 05:11:05
End at: 2018-06-06 05:11:35
Local clock offset: -6.934 ms
Remote clock offset: -11.371 ms

Below is generated by plot.py at 2018-06-06 06:11:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.42 Mbit/s
95th percentile per-packet one-way delay: 19.663 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 51.27 Mbit/s
95th percentile per-packet one-way delay: 19.400 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 34.83 Mbit/s
95th percentile per-packet one-way delay: 21.184 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 42.07 Mbit/s
95th percentile per-packet one-way delay: 18.409 ms
Loss rate: 0.37%

Run 8: Report of LEDBAT — Data Link

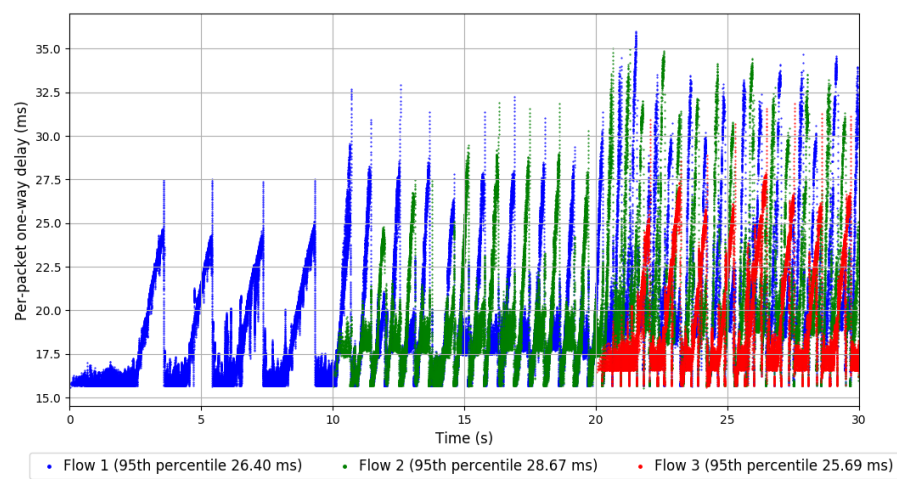
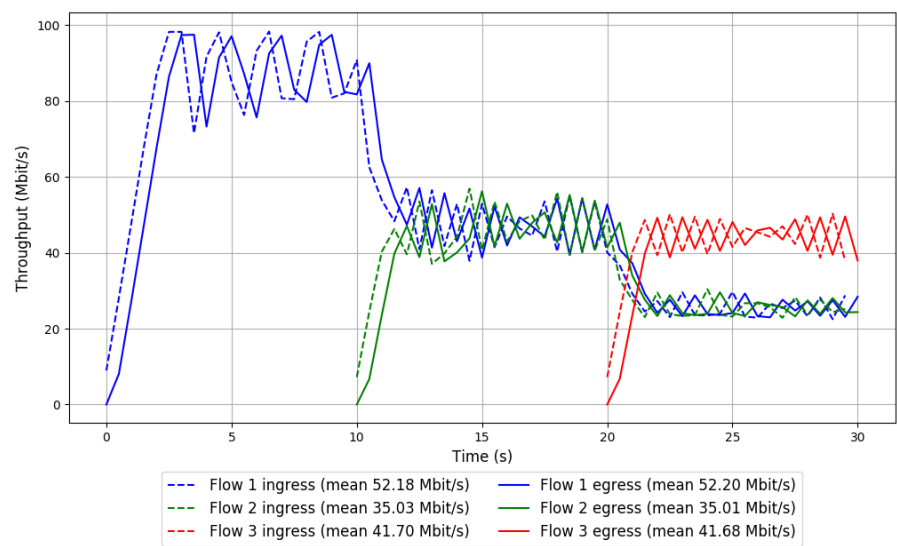


Run 9: Statistics of LEDBAT

Start at: 2018-06-06 05:30:22
End at: 2018-06-06 05:30:52
Local clock offset: 0.494 ms
Remote clock offset: -9.298 ms

Below is generated by plot.py at 2018-06-06 06:12:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.34 Mbit/s
95th percentile per-packet one-way delay: 26.764 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 52.20 Mbit/s
95th percentile per-packet one-way delay: 26.396 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 35.01 Mbit/s
95th percentile per-packet one-way delay: 28.674 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 41.68 Mbit/s
95th percentile per-packet one-way delay: 25.687 ms
Loss rate: 0.30%

Run 9: Report of LEDBAT — Data Link

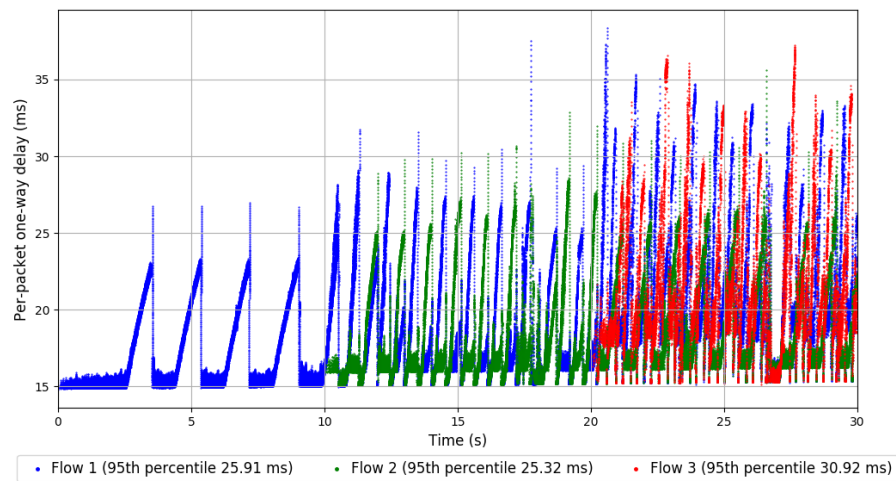
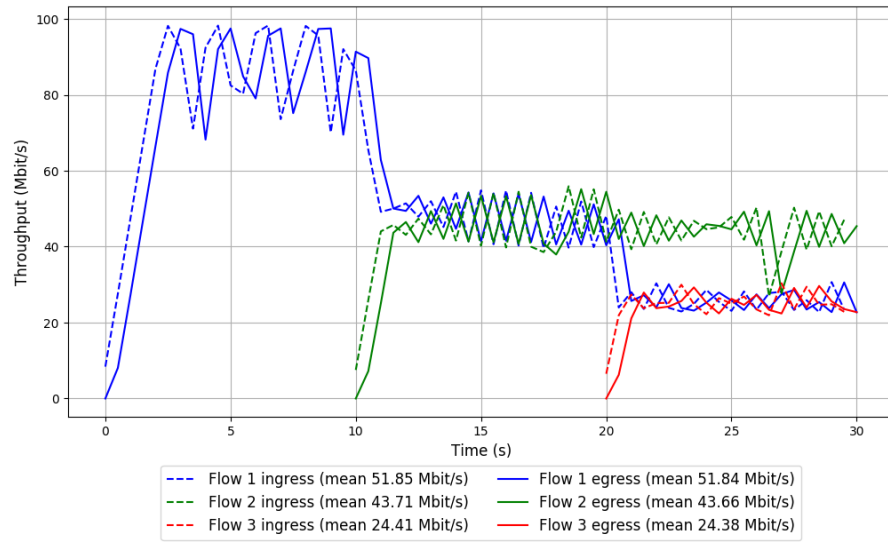


Run 10: Statistics of LEDBAT

Start at: 2018-06-06 05:49:31
End at: 2018-06-06 05:50:01
Local clock offset: -0.352 ms
Remote clock offset: -9.168 ms

Below is generated by plot.py at 2018-06-06 06:12:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.00 Mbit/s
95th percentile per-packet one-way delay: 26.139 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 51.84 Mbit/s
95th percentile per-packet one-way delay: 25.909 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 43.66 Mbit/s
95th percentile per-packet one-way delay: 25.321 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 30.917 ms
Loss rate: 0.38%

Run 10: Report of LEDBAT — Data Link

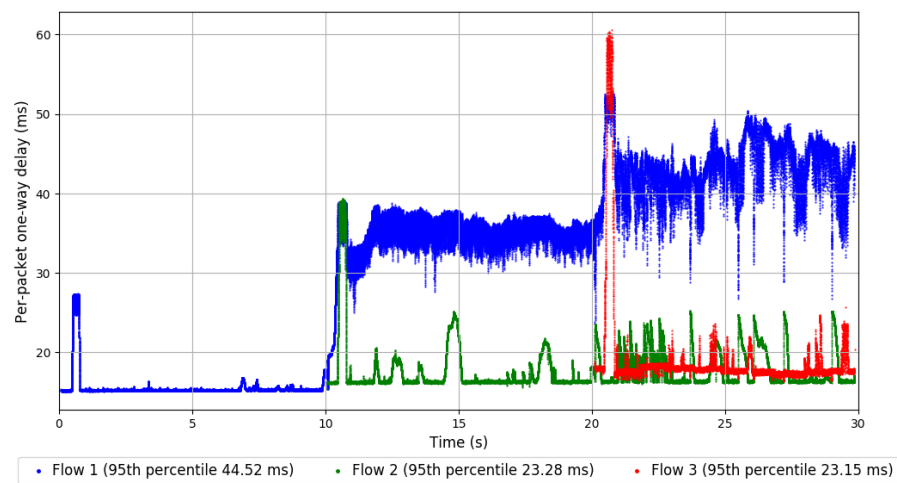
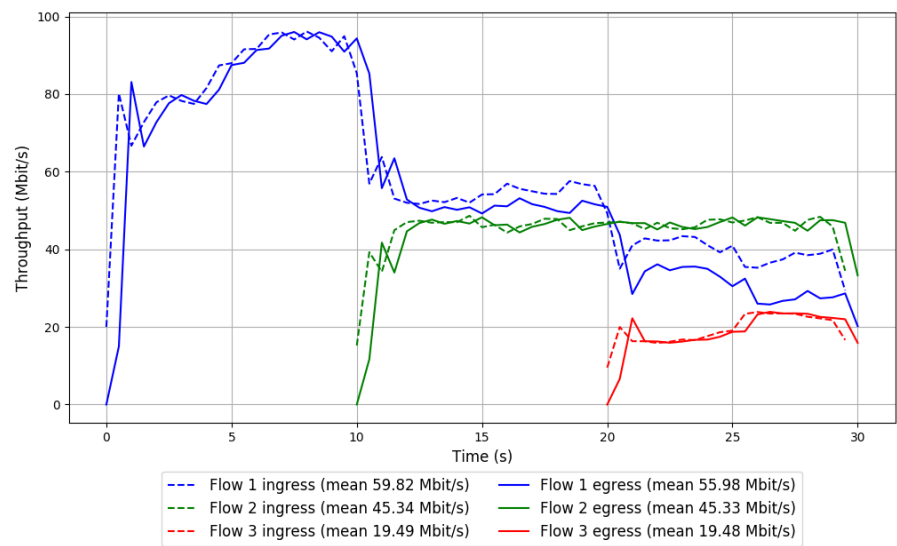


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-06 02:59:59
End at: 2018-06-06 03:00:29
Local clock offset: -0.807 ms
Remote clock offset: -2.79 ms

# Below is generated by plot.py at 2018-06-06 06:12:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.51 Mbit/s
95th percentile per-packet one-way delay: 43.121 ms
Loss rate: 4.12%
-- Flow 1:
Average throughput: 55.98 Mbit/s
95th percentile per-packet one-way delay: 44.519 ms
Loss rate: 6.52%
-- Flow 2:
Average throughput: 45.33 Mbit/s
95th percentile per-packet one-way delay: 23.283 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 19.48 Mbit/s
95th percentile per-packet one-way delay: 23.148 ms
Loss rate: 0.35%
```


Run 1: Report of PCC-Allegro — Data Link

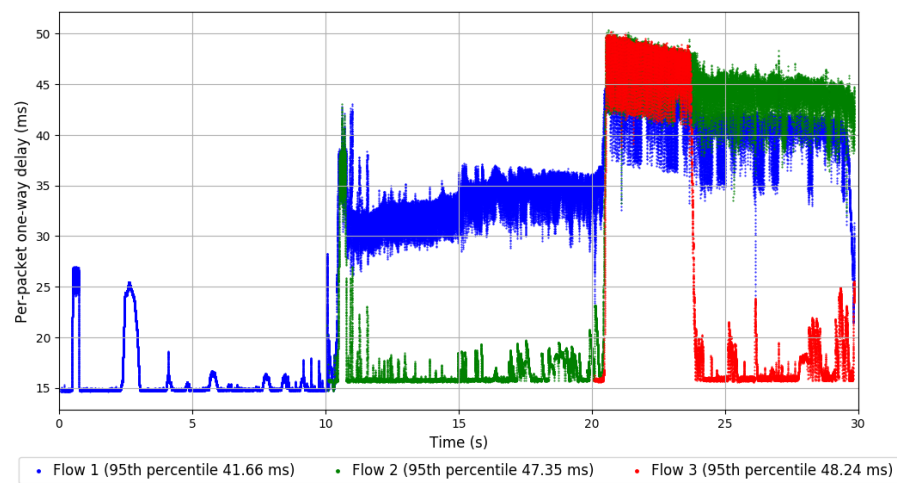
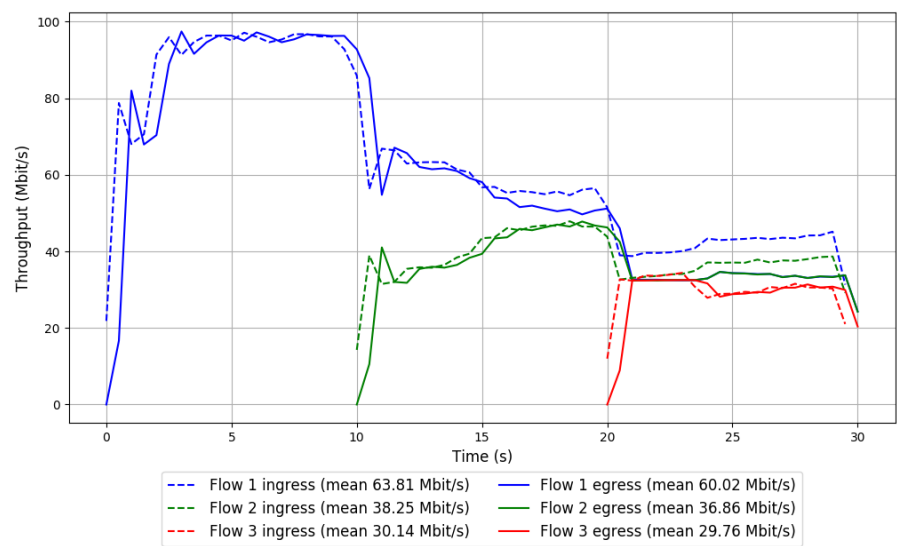


Run 2: Statistics of PCC-Allegro

Start at: 2018-06-06 03:18:48
End at: 2018-06-06 03:19:18
Local clock offset: -0.009 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-06-06 06:12:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.31 Mbit/s
95th percentile per-packet one-way delay: 45.708 ms
Loss rate: 5.00%
-- Flow 1:
Average throughput: 60.02 Mbit/s
95th percentile per-packet one-way delay: 41.657 ms
Loss rate: 6.02%
-- Flow 2:
Average throughput: 36.86 Mbit/s
95th percentile per-packet one-way delay: 47.353 ms
Loss rate: 3.81%
-- Flow 3:
Average throughput: 29.76 Mbit/s
95th percentile per-packet one-way delay: 48.237 ms
Loss rate: 1.49%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-06 03:37:35

End at: 2018-06-06 03:38:05

Local clock offset: -1.551 ms

Remote clock offset: 2.367 ms

Below is generated by plot.py at 2018-06-06 06:13:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.43 Mbit/s

95th percentile per-packet one-way delay: 44.556 ms

Loss rate: 2.06%

-- Flow 1:

Average throughput: 60.72 Mbit/s

95th percentile per-packet one-way delay: 42.974 ms

Loss rate: 2.54%

-- Flow 2:

Average throughput: 34.81 Mbit/s

95th percentile per-packet one-way delay: 45.060 ms

Loss rate: 1.10%

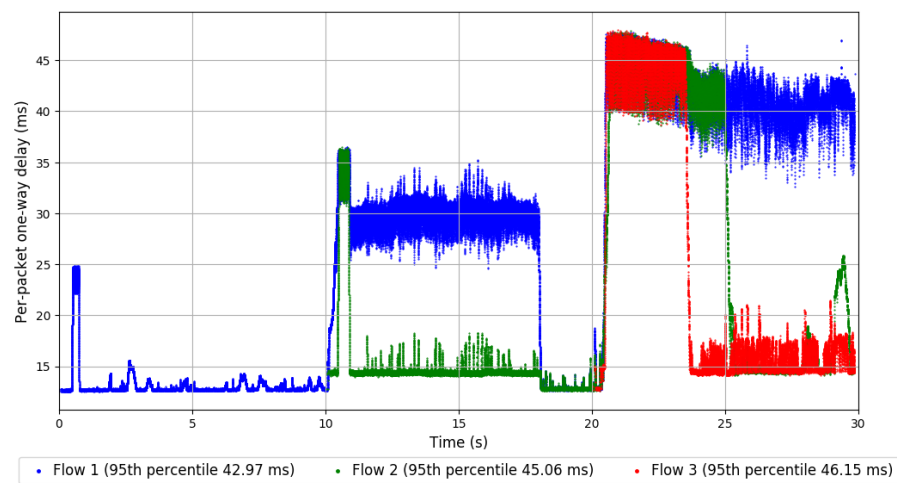
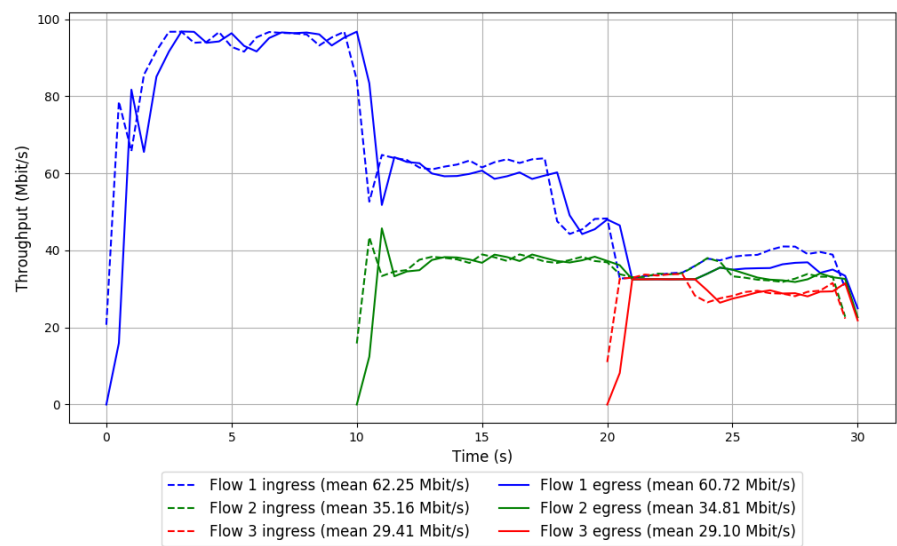
-- Flow 3:

Average throughput: 29.10 Mbit/s

95th percentile per-packet one-way delay: 46.154 ms

Loss rate: 1.32%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-06 03:56:24

End at: 2018-06-06 03:56:54

Local clock offset: -2.098 ms

Remote clock offset: 2.73 ms

Below is generated by plot.py at 2018-06-06 06:13:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.08 Mbit/s

95th percentile per-packet one-way delay: 40.580 ms

Loss rate: 1.21%

-- Flow 1:

Average throughput: 60.31 Mbit/s

95th percentile per-packet one-way delay: 42.475 ms

Loss rate: 1.67%

-- Flow 2:

Average throughput: 41.53 Mbit/s

95th percentile per-packet one-way delay: 36.433 ms

Loss rate: 0.35%

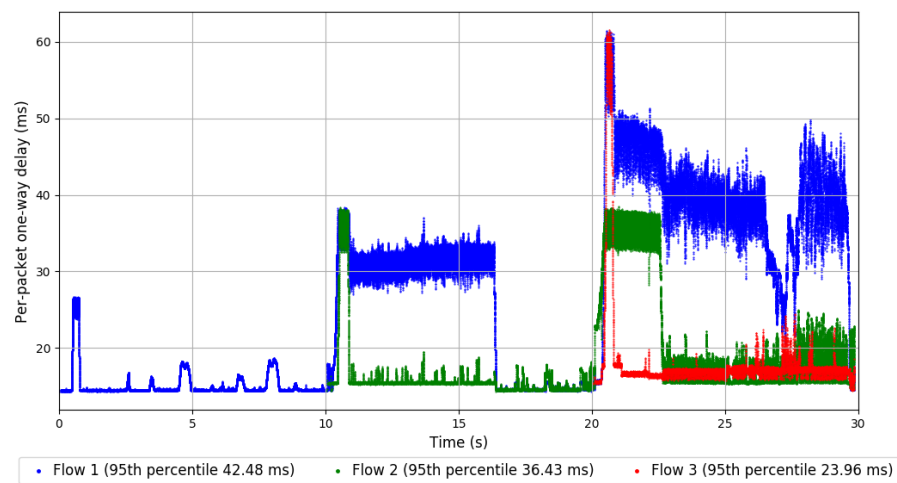
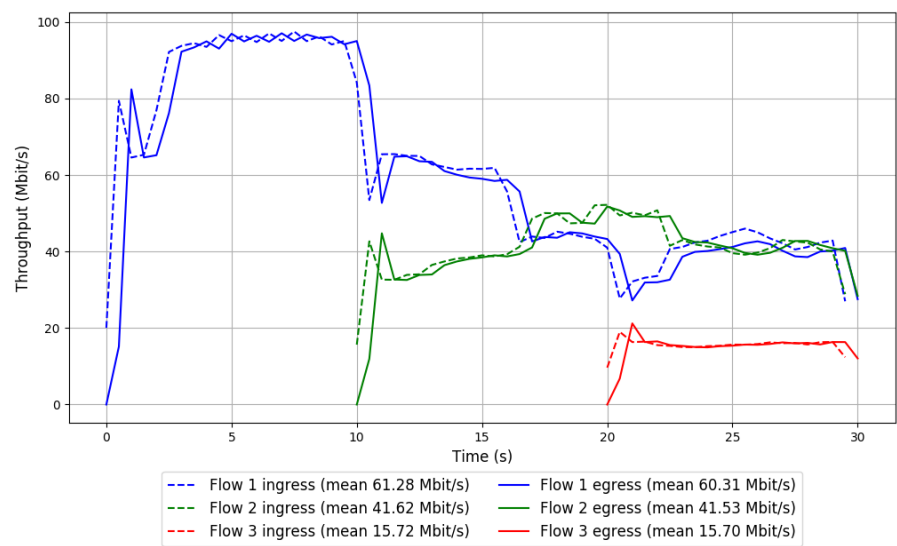
-- Flow 3:

Average throughput: 15.70 Mbit/s

95th percentile per-packet one-way delay: 23.957 ms

Loss rate: 0.31%

Run 4: Report of PCC-Allegro — Data Link

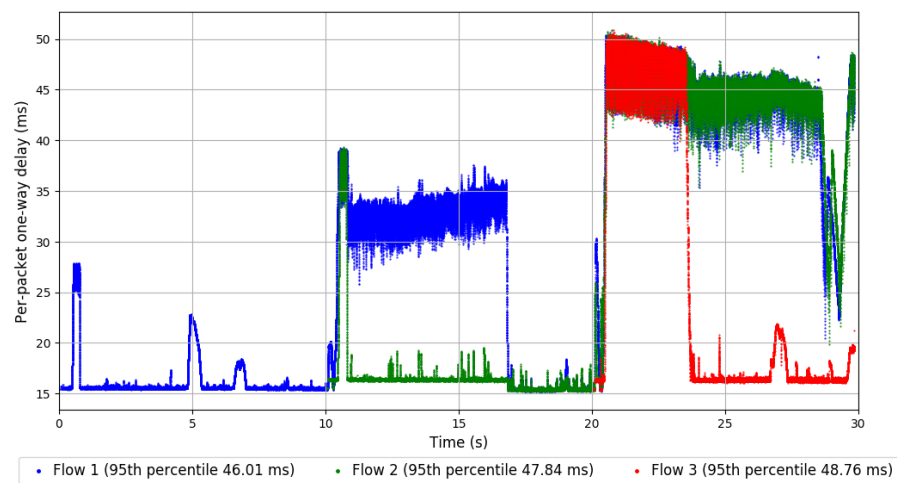
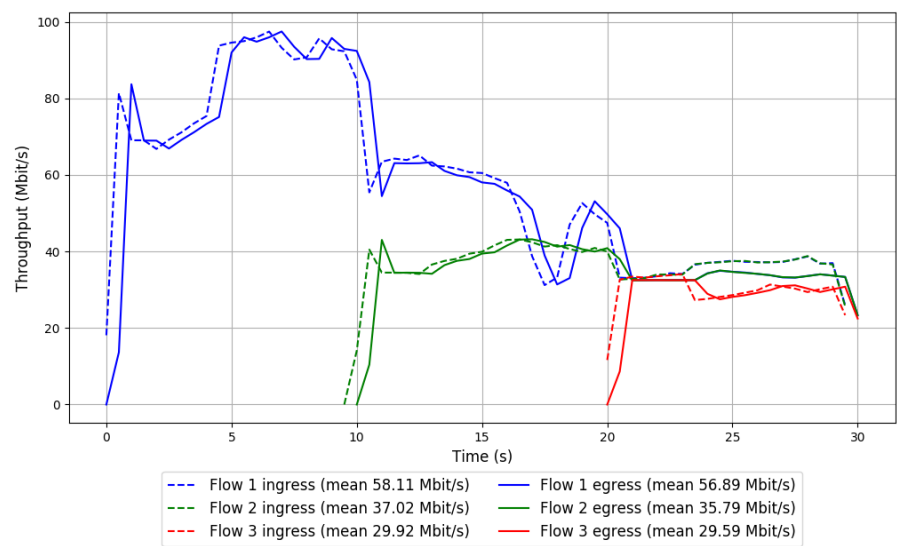


Run 5: Statistics of PCC-Allegro

Start at: 2018-06-06 04:15:19
End at: 2018-06-06 04:15:49
Local clock offset: -0.664 ms
Remote clock offset: -5.186 ms

Below is generated by plot.py at 2018-06-06 06:13:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.42 Mbit/s
95th percentile per-packet one-way delay: 47.350 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 56.89 Mbit/s
95th percentile per-packet one-way delay: 46.007 ms
Loss rate: 2.22%
-- Flow 2:
Average throughput: 35.79 Mbit/s
95th percentile per-packet one-way delay: 47.845 ms
Loss rate: 3.50%
-- Flow 3:
Average throughput: 29.59 Mbit/s
95th percentile per-packet one-way delay: 48.762 ms
Loss rate: 1.37%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-06 04:34:14

End at: 2018-06-06 04:34:44

Local clock offset: 1.339 ms

Remote clock offset: -11.264 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.70 Mbit/s

95th percentile per-packet one-way delay: 39.800 ms

Loss rate: 1.38%

-- Flow 1:

Average throughput: 60.25 Mbit/s

95th percentile per-packet one-way delay: 32.644 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 40.39 Mbit/s

95th percentile per-packet one-way delay: 40.906 ms

Loss rate: 3.53%

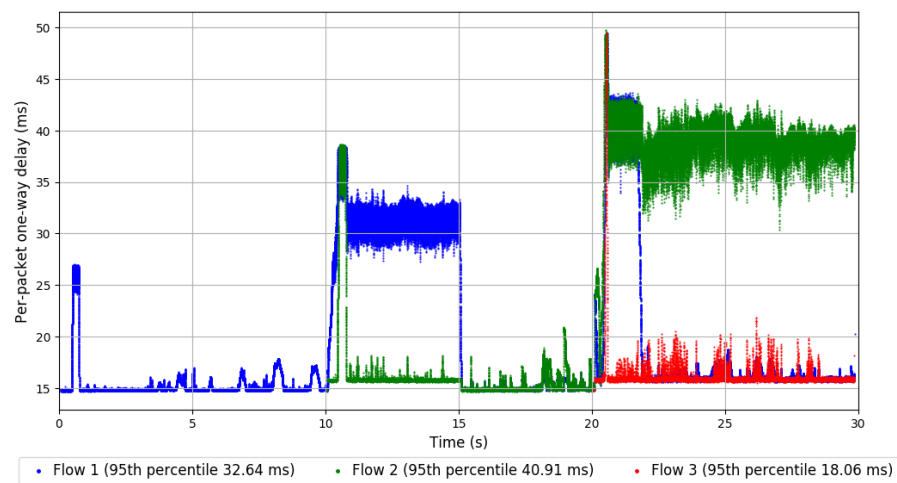
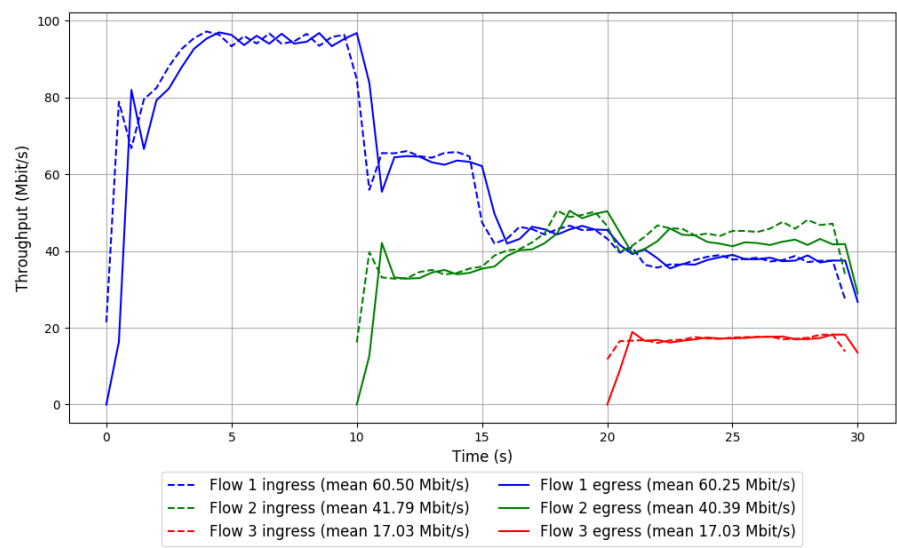
-- Flow 3:

Average throughput: 17.03 Mbit/s

95th percentile per-packet one-way delay: 18.061 ms

Loss rate: 0.27%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-06 04:53:14

End at: 2018-06-06 04:53:44

Local clock offset: 1.186 ms

Remote clock offset: -10.813 ms

Below is generated by plot.py at 2018-06-06 06:13:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.33 Mbit/s

95th percentile per-packet one-way delay: 45.927 ms

Loss rate: 1.42%

-- Flow 1:

Average throughput: 58.10 Mbit/s

95th percentile per-packet one-way delay: 47.016 ms

Loss rate: 2.12%

-- Flow 2:

Average throughput: 41.43 Mbit/s

95th percentile per-packet one-way delay: 20.372 ms

Loss rate: 0.15%

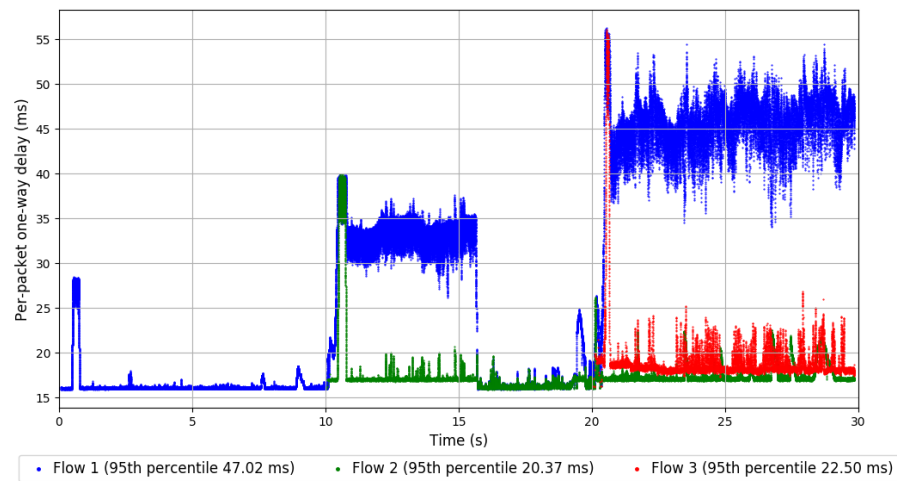
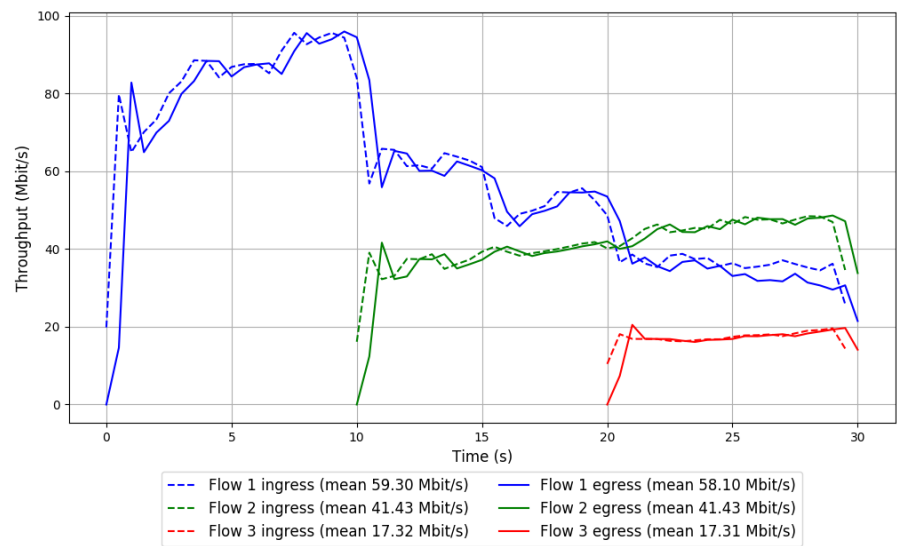
-- Flow 3:

Average throughput: 17.31 Mbit/s

95th percentile per-packet one-way delay: 22.495 ms

Loss rate: 0.31%

Run 7: Report of PCC-Allegro — Data Link

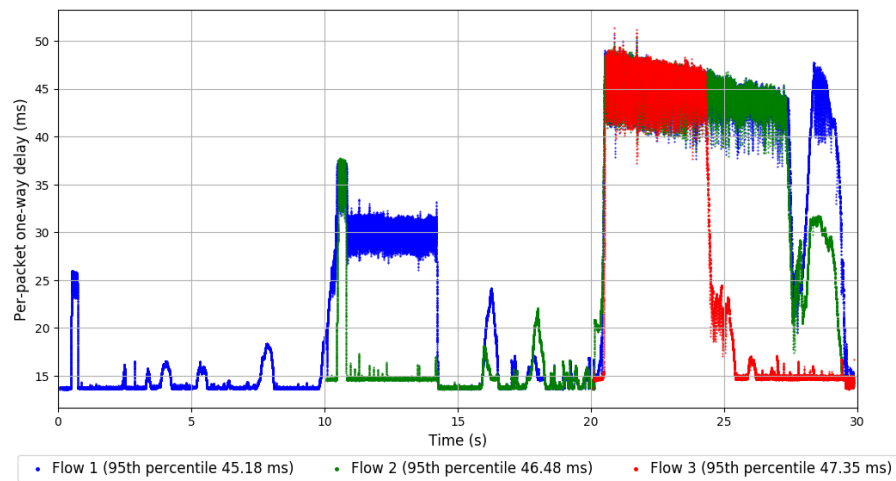
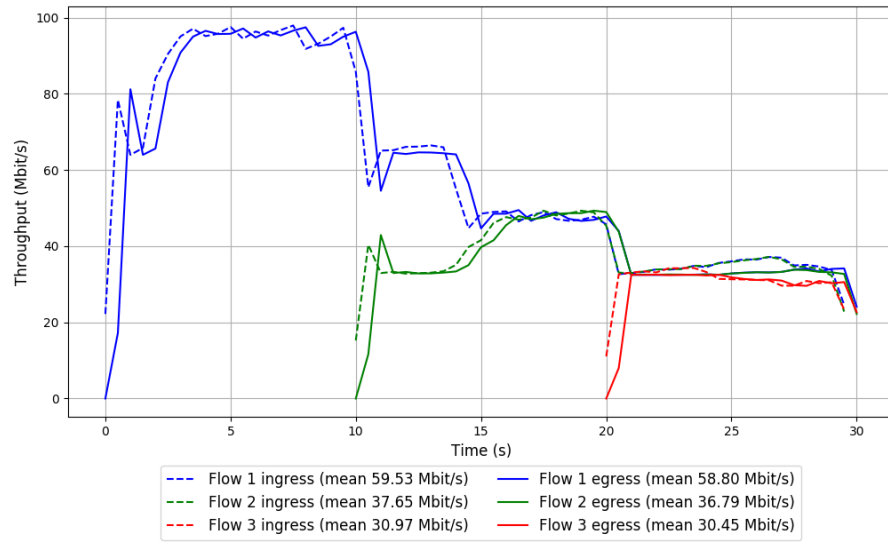


Run 8: Statistics of PCC-Allegro

Start at: 2018-06-06 05:12:18
End at: 2018-06-06 05:12:48
Local clock offset: -1.442 ms
Remote clock offset: -11.251 ms

Below is generated by plot.py at 2018-06-06 06:13:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.26 Mbit/s
95th percentile per-packet one-way delay: 46.145 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 58.80 Mbit/s
95th percentile per-packet one-way delay: 45.181 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 36.79 Mbit/s
95th percentile per-packet one-way delay: 46.477 ms
Loss rate: 2.40%
-- Flow 3:
Average throughput: 30.45 Mbit/s
95th percentile per-packet one-way delay: 47.353 ms
Loss rate: 1.91%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-06 05:31:35

End at: 2018-06-06 05:32:05

Local clock offset: -2.107 ms

Remote clock offset: -10.057 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.62 Mbit/s

95th percentile per-packet one-way delay: 40.663 ms

Loss rate: 1.25%

-- Flow 1:

Average throughput: 55.84 Mbit/s

95th percentile per-packet one-way delay: 40.369 ms

Loss rate: 1.22%

-- Flow 2:

Average throughput: 40.42 Mbit/s

95th percentile per-packet one-way delay: 41.085 ms

Loss rate: 1.53%

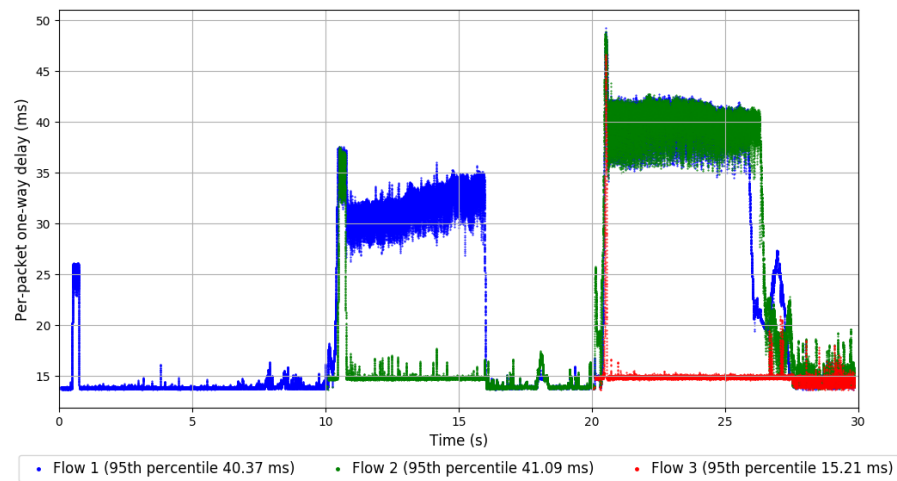
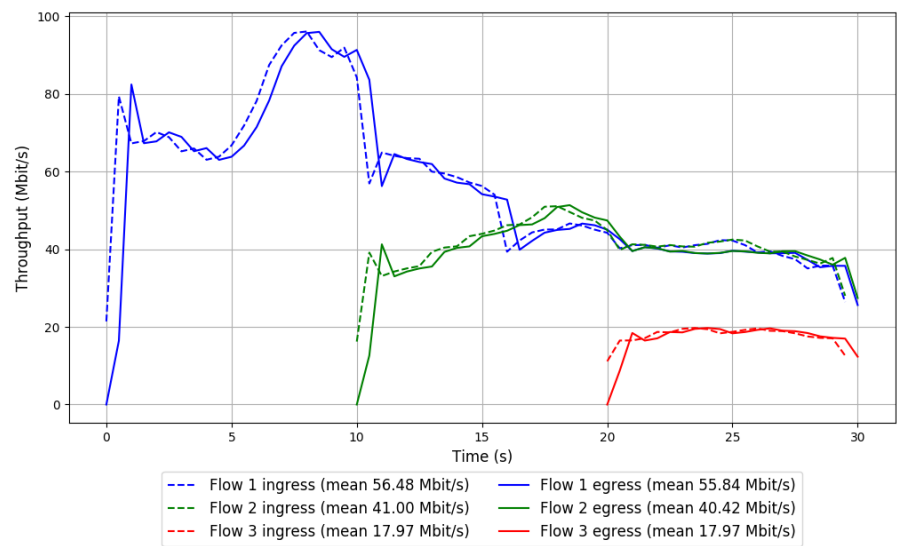
-- Flow 3:

Average throughput: 17.97 Mbit/s

95th percentile per-packet one-way delay: 15.208 ms

Loss rate: 0.23%

Run 9: Report of PCC-Allegro — Data Link

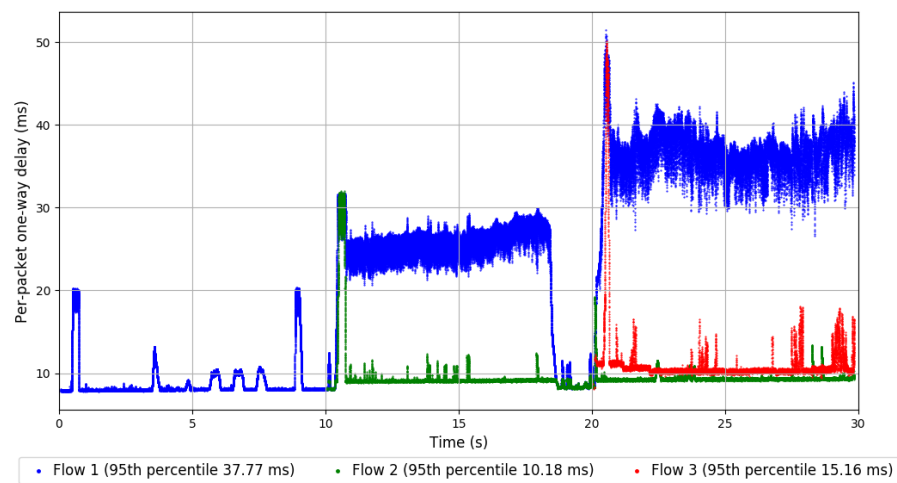
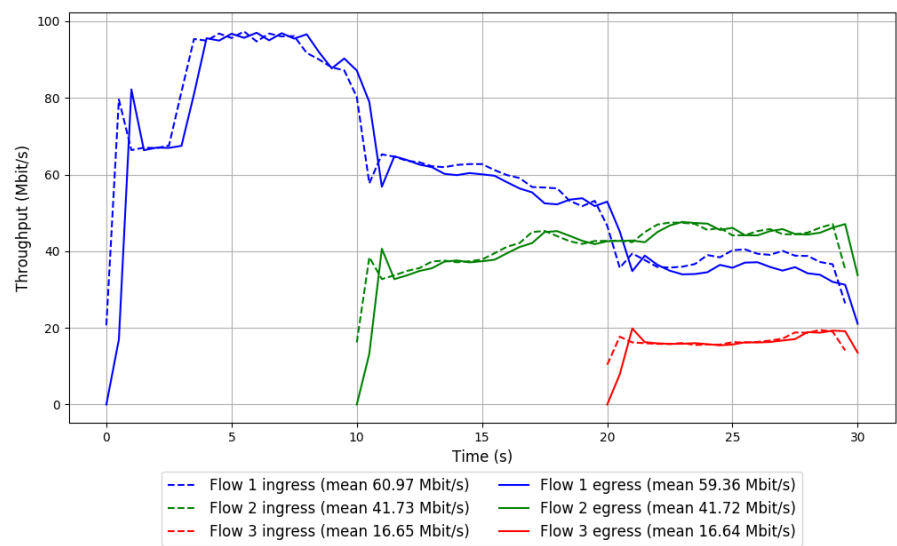


Run 10: Statistics of PCC-Allegro

Start at: 2018-06-06 05:50:42
End at: 2018-06-06 05:51:12
Local clock offset: -5.904 ms
Remote clock offset: -6.694 ms

Below is generated by plot.py at 2018-06-06 06:13:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: 36.881 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 59.36 Mbit/s
95th percentile per-packet one-way delay: 37.767 ms
Loss rate: 2.76%
-- Flow 2:
Average throughput: 41.72 Mbit/s
95th percentile per-packet one-way delay: 10.178 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 16.64 Mbit/s
95th percentile per-packet one-way delay: 15.162 ms
Loss rate: 0.32%

Run 10: Report of PCC-Allegro — Data Link

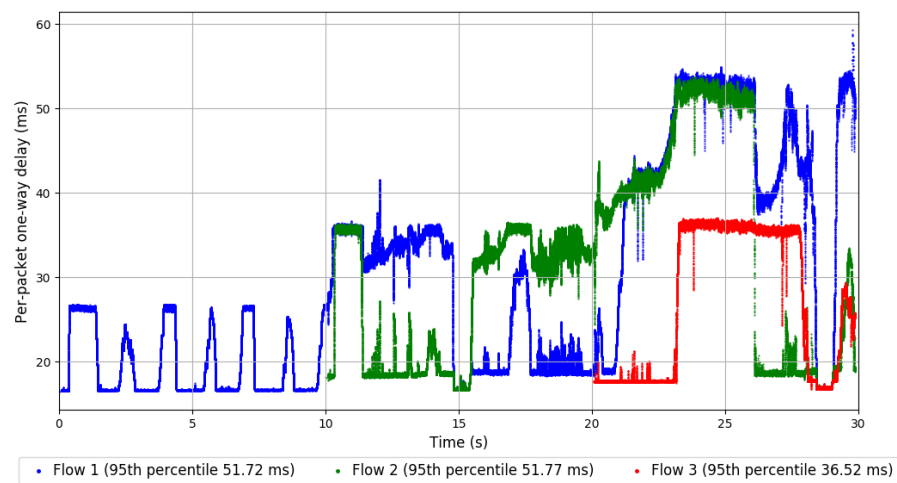
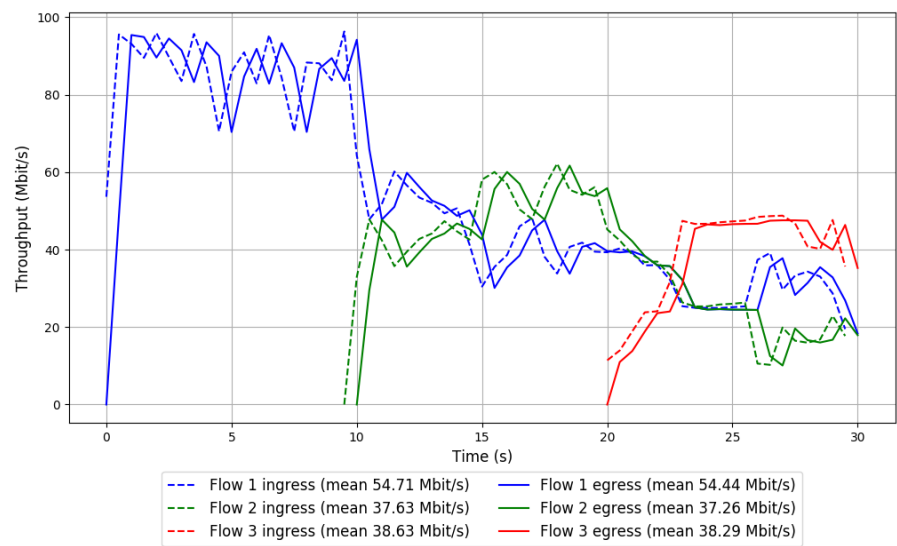


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-06 02:56:26
End at: 2018-06-06 02:56:56
Local clock offset: 0.651 ms
Remote clock offset: -3.98 ms

# Below is generated by plot.py at 2018-06-06 06:14:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.85 Mbit/s
95th percentile per-packet one-way delay: 51.166 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 54.44 Mbit/s
95th percentile per-packet one-way delay: 51.720 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 37.26 Mbit/s
95th percentile per-packet one-way delay: 51.772 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 38.29 Mbit/s
95th percentile per-packet one-way delay: 36.515 ms
Loss rate: 1.21%
```

Run 1: Report of PCC-Expr — Data Link

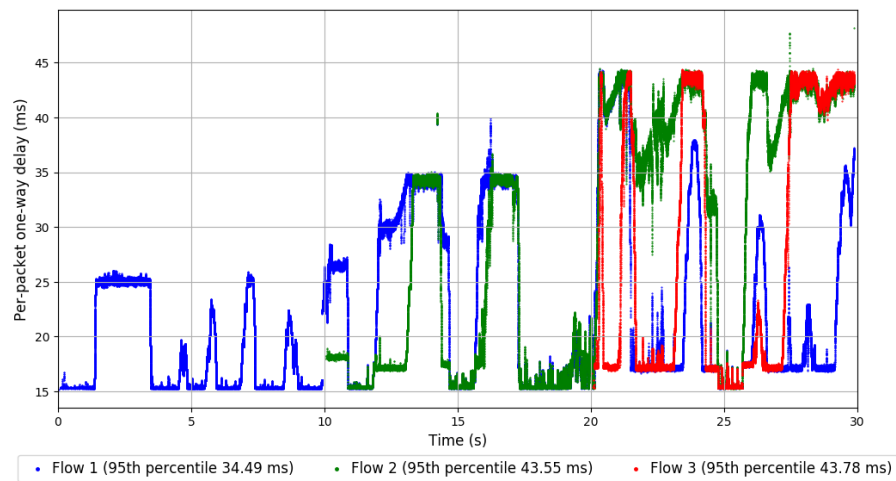
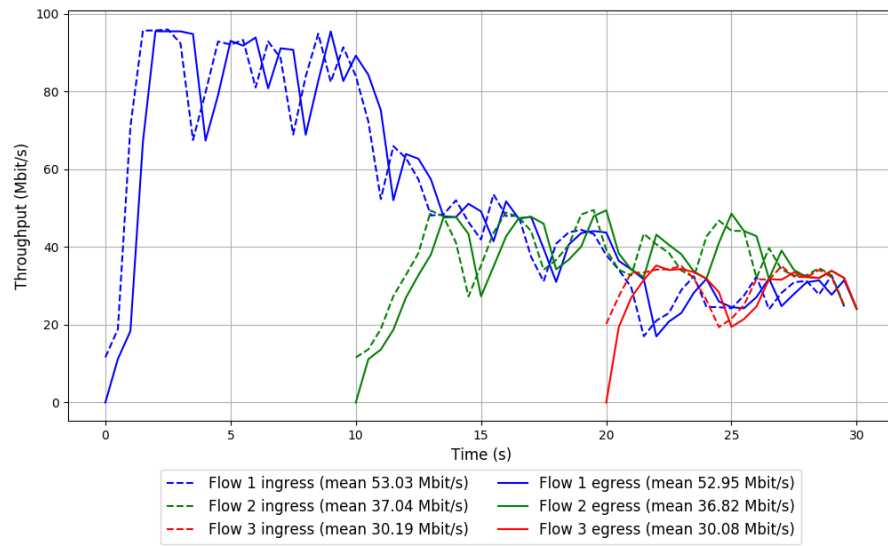


```
Run 2: Statistics of PCC-Expr

Start at: 2018-06-06 03:15:09
End at: 2018-06-06 03:15:39
Local clock offset: 0.745 ms
Remote clock offset: 0.02 ms

# Below is generated by plot.py at 2018-06-06 06:14:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.34 Mbit/s
95th percentile per-packet one-way delay: 43.334 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 52.95 Mbit/s
95th percentile per-packet one-way delay: 34.487 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 43.551 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 30.08 Mbit/s
95th percentile per-packet one-way delay: 43.781 ms
Loss rate: 0.76%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-06-06 03:34:03

End at: 2018-06-06 03:34:33

Local clock offset: -0.323 ms

Remote clock offset: 0.865 ms

Below is generated by plot.py at 2018-06-06 06:14:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.76 Mbit/s

95th percentile per-packet one-way delay: 50.214 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 53.69 Mbit/s

95th percentile per-packet one-way delay: 49.503 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 43.26 Mbit/s

95th percentile per-packet one-way delay: 33.944 ms

Loss rate: 0.26%

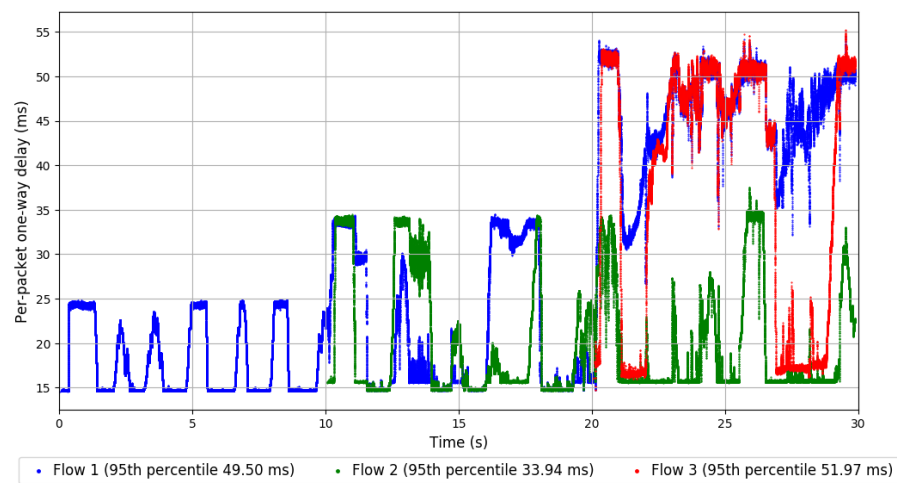
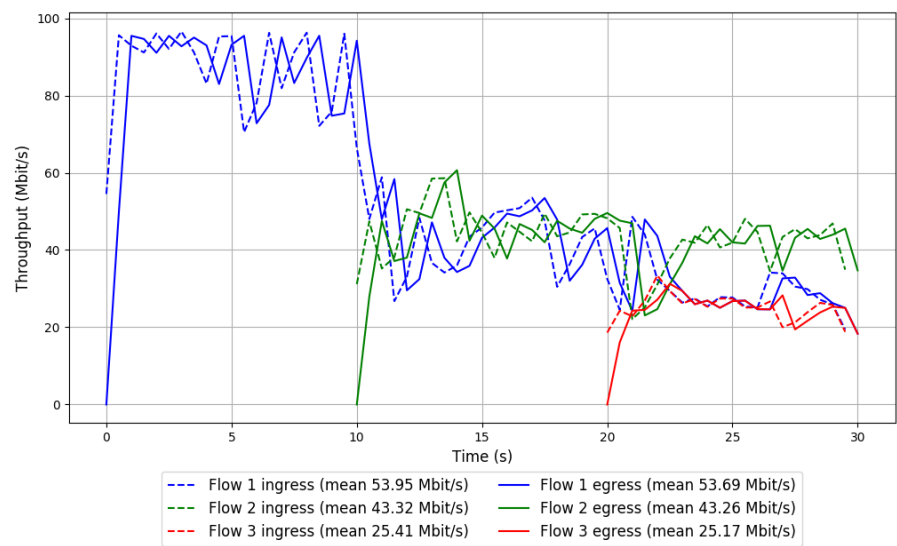
-- Flow 3:

Average throughput: 25.17 Mbit/s

95th percentile per-packet one-way delay: 51.970 ms

Loss rate: 1.31%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-06-06 03:52:51

End at: 2018-06-06 03:53:21

Local clock offset: -0.479 ms

Remote clock offset: 2.892 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.70 Mbit/s

95th percentile per-packet one-way delay: 43.444 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 54.63 Mbit/s

95th percentile per-packet one-way delay: 42.733 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 38.08 Mbit/s

95th percentile per-packet one-way delay: 43.646 ms

Loss rate: 0.46%

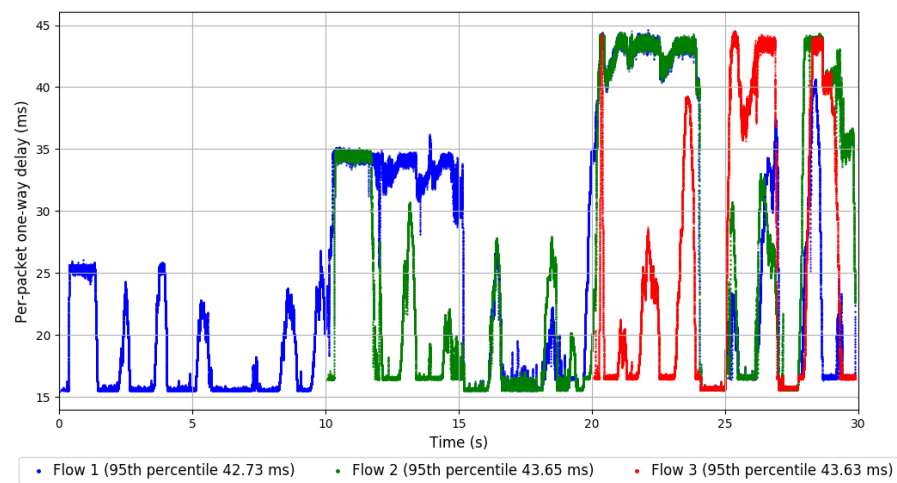
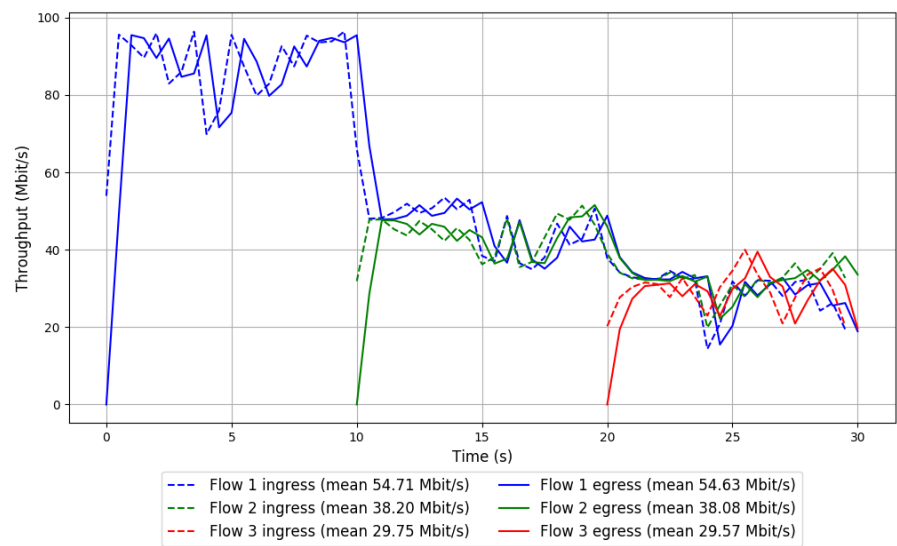
-- Flow 3:

Average throughput: 29.57 Mbit/s

95th percentile per-packet one-way delay: 43.630 ms

Loss rate: 0.86%

Run 4: Report of PCC-Expr — Data Link

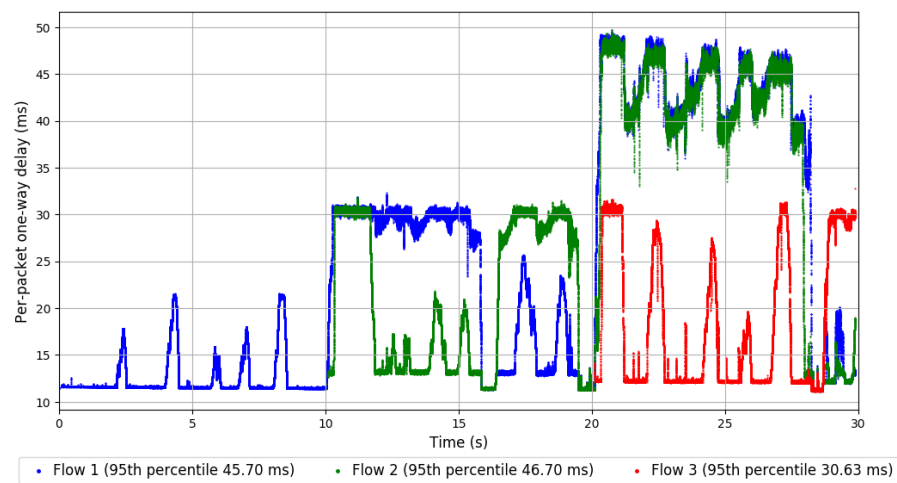
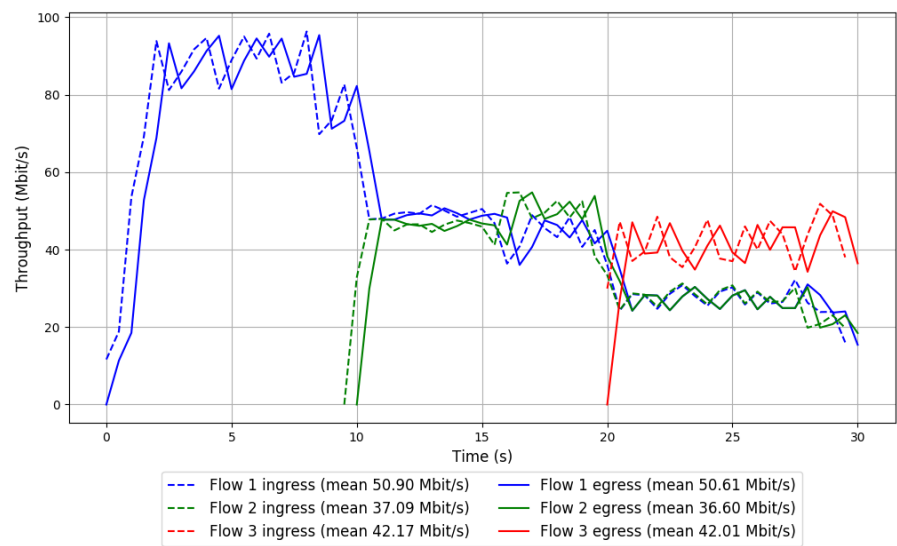


Run 5: Statistics of PCC-Expr

Start at: 2018-06-06 04:11:39
End at: 2018-06-06 04:12:09
Local clock offset: -1.734 ms
Remote clock offset: -0.984 ms

Below is generated by plot.py at 2018-06-06 06:14:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.80 Mbit/s
95th percentile per-packet one-way delay: 45.818 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 50.61 Mbit/s
95th percentile per-packet one-way delay: 45.699 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 36.60 Mbit/s
95th percentile per-packet one-way delay: 46.699 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 42.01 Mbit/s
95th percentile per-packet one-way delay: 30.631 ms
Loss rate: 0.69%

Run 5: Report of PCC-Expr — Data Link

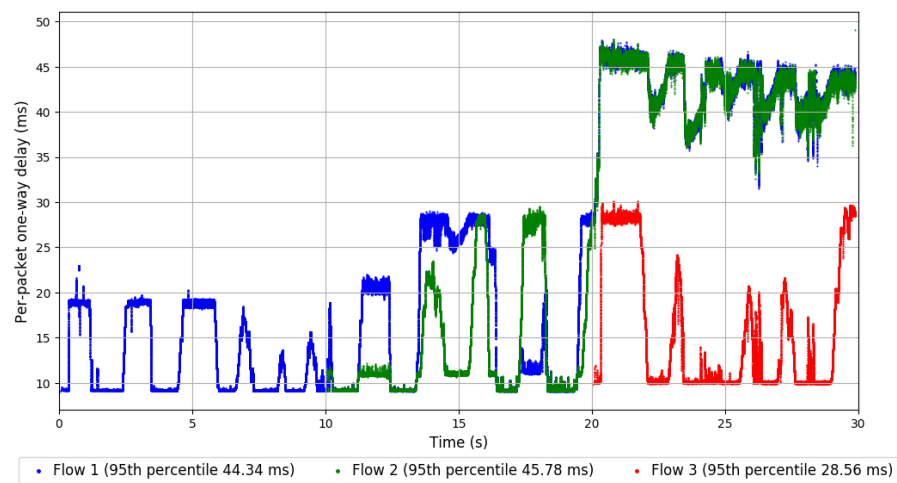
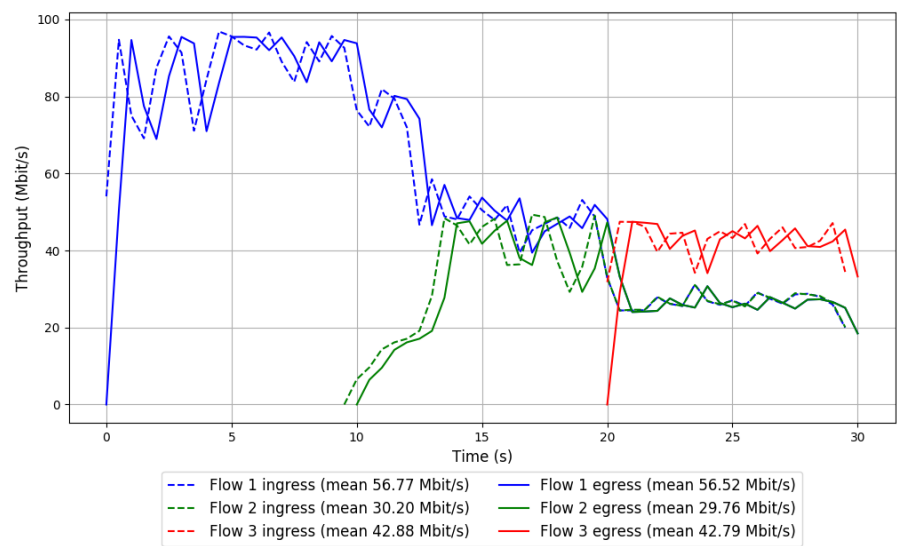


Run 6: Statistics of PCC-Expr

Start at: 2018-06-06 04:30:41
End at: 2018-06-06 04:31:11
Local clock offset: -4.469 ms
Remote clock offset: -10.683 ms

Below is generated by plot.py at 2018-06-06 06:15:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.42 Mbit/s
95th percentile per-packet one-way delay: 44.735 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 56.52 Mbit/s
95th percentile per-packet one-way delay: 44.338 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 29.76 Mbit/s
95th percentile per-packet one-way delay: 45.779 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 42.79 Mbit/s
95th percentile per-packet one-way delay: 28.559 ms
Loss rate: 0.57%

Run 6: Report of PCC-Expr — Data Link

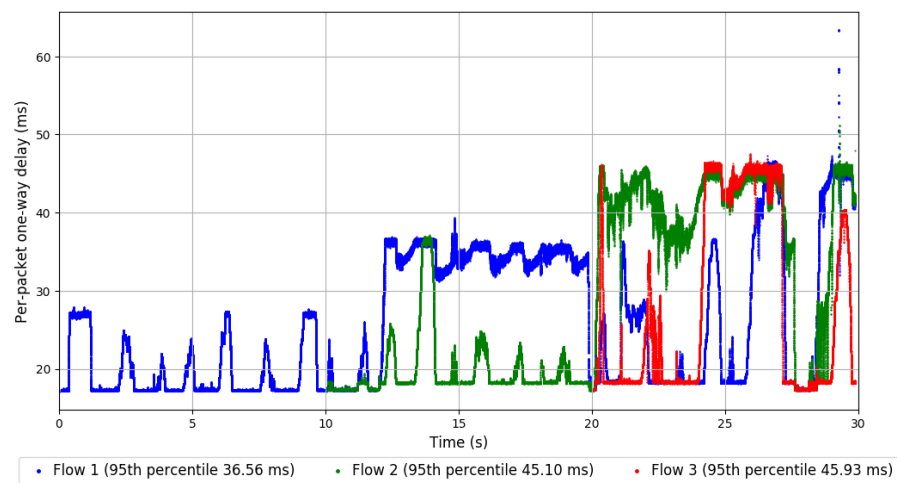
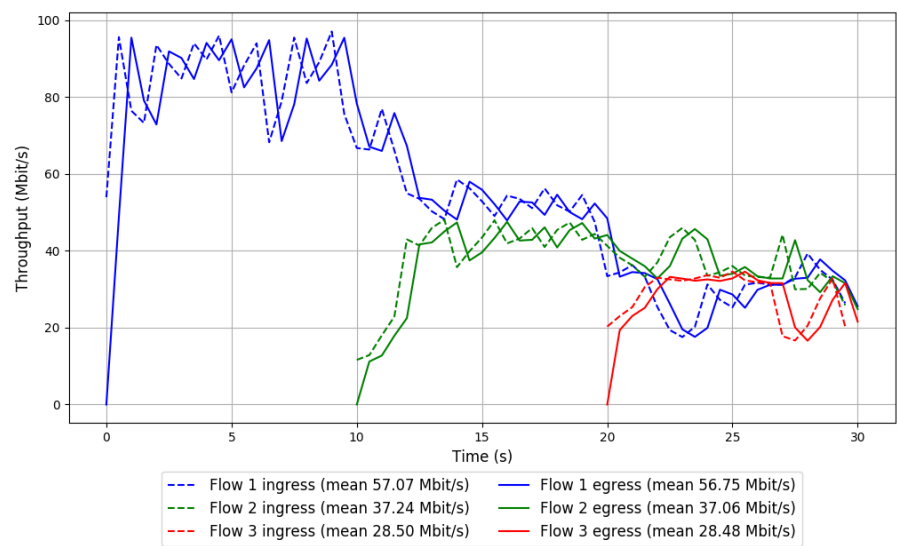


```
Run 7: Statistics of PCC-Expr

Start at: 2018-06-06 04:49:36
End at: 2018-06-06 04:50:06
Local clock offset: 2.179 ms
Remote clock offset: -11.171 ms

# Below is generated by plot.py at 2018-06-06 06:15:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.78 Mbit/s
95th percentile per-packet one-way delay: 44.949 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 56.75 Mbit/s
95th percentile per-packet one-way delay: 36.565 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 37.06 Mbit/s
95th percentile per-packet one-way delay: 45.099 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 28.48 Mbit/s
95th percentile per-packet one-way delay: 45.933 ms
Loss rate: 0.32%
```


Run 7: Report of PCC-Expr — Data Link

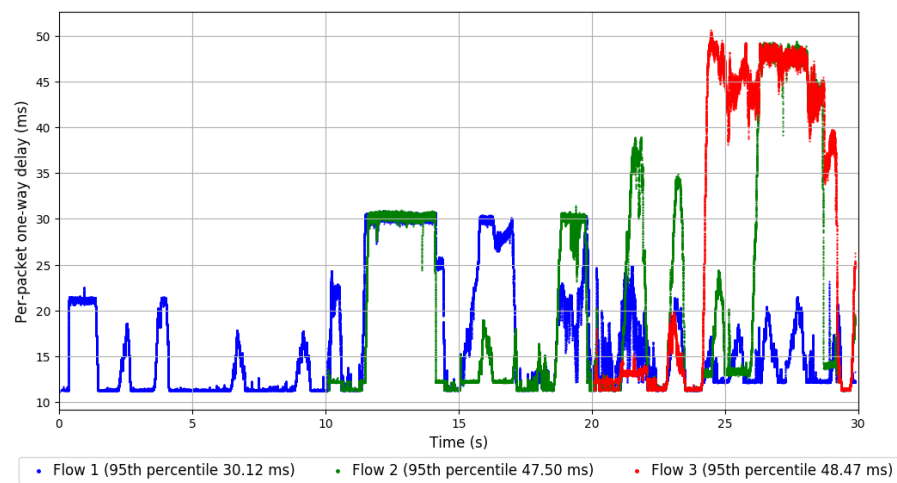
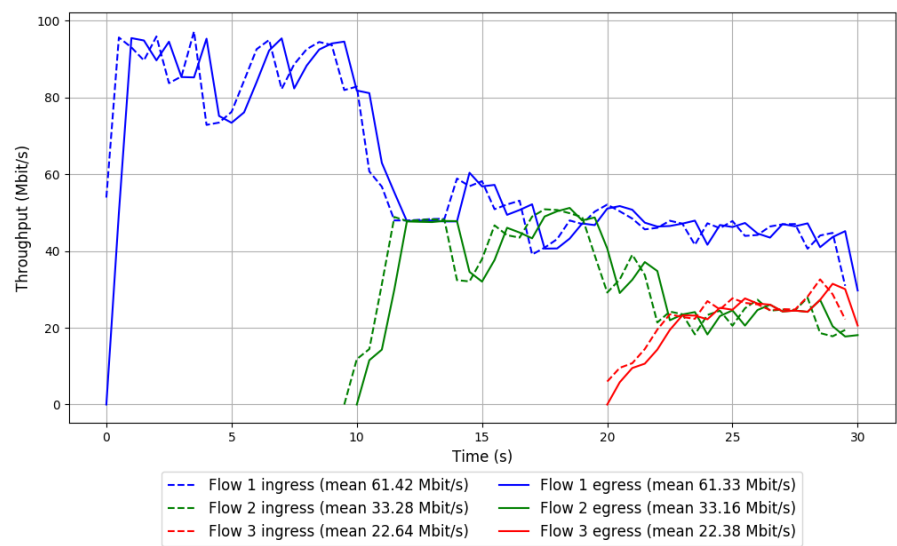


Run 8: Statistics of PCC-Expr

Start at: 2018-06-06 05:08:40
End at: 2018-06-06 05:09:10
Local clock offset: -3.87 ms
Remote clock offset: -11.171 ms

Below is generated by plot.py at 2018-06-06 06:15:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.76 Mbit/s
95th percentile per-packet one-way delay: 43.705 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 61.33 Mbit/s
95th percentile per-packet one-way delay: 30.119 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 33.16 Mbit/s
95th percentile per-packet one-way delay: 47.496 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 22.38 Mbit/s
95th percentile per-packet one-way delay: 48.469 ms
Loss rate: 1.41%

Run 8: Report of PCC-Expr — Data Link

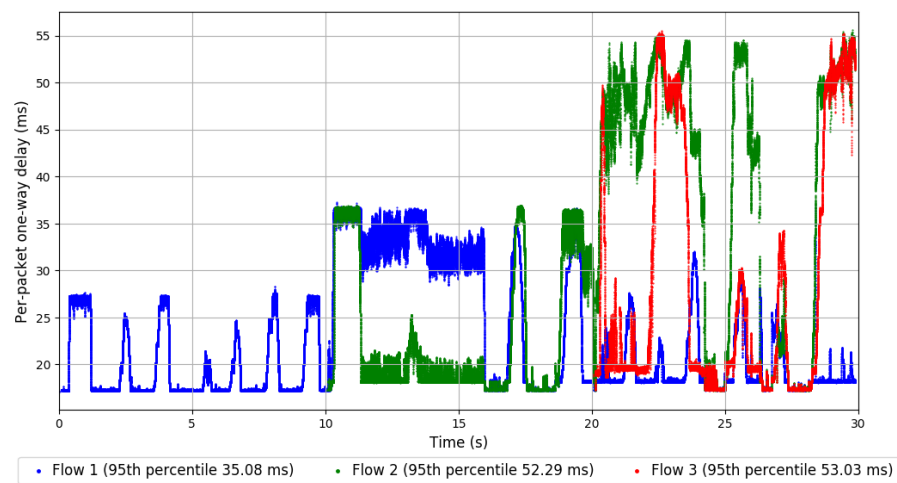
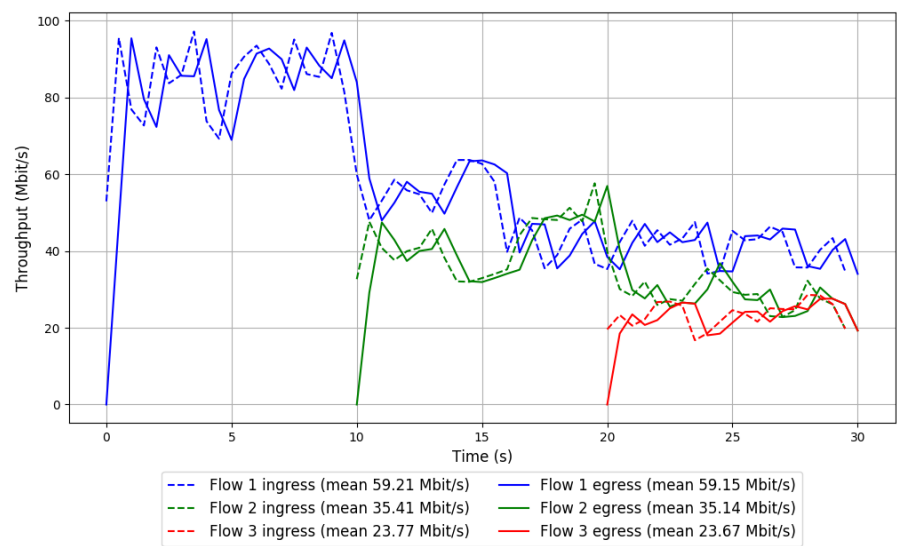


Run 9: Statistics of PCC-Expr

Start at: 2018-06-06 05:27:49
End at: 2018-06-06 05:28:19
Local clock offset: 1.63 ms
Remote clock offset: -9.833 ms

Below is generated by plot.py at 2018-06-06 06:16:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.33 Mbit/s
95th percentile per-packet one-way delay: 49.002 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 59.15 Mbit/s
95th percentile per-packet one-way delay: 35.083 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 35.14 Mbit/s
95th percentile per-packet one-way delay: 52.290 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 23.67 Mbit/s
95th percentile per-packet one-way delay: 53.029 ms
Loss rate: 0.78%

Run 9: Report of PCC-Expr — Data Link

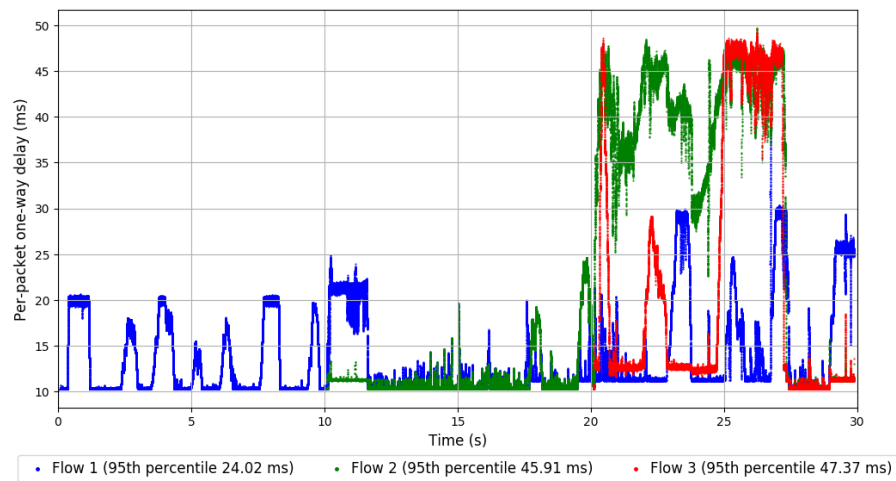
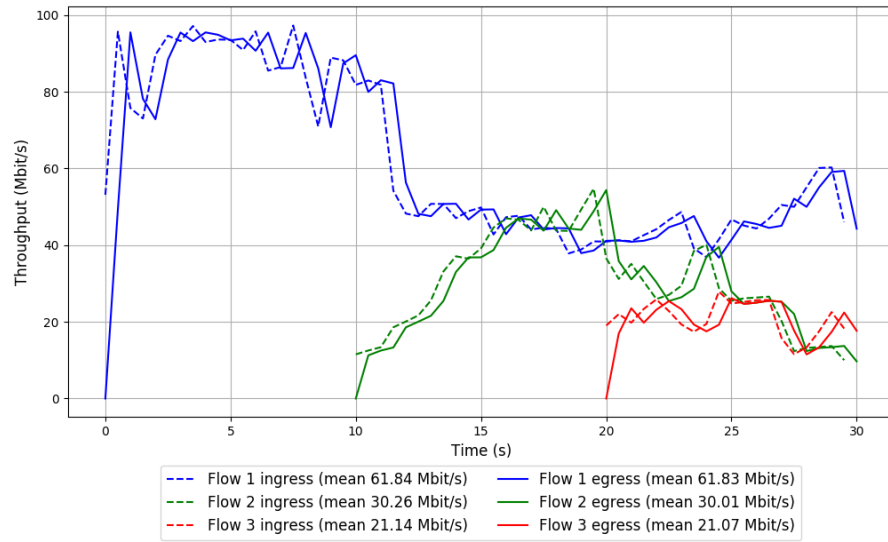


Run 10: Statistics of PCC-Expr

Start at: 2018-06-06 05:47:04
End at: 2018-06-06 05:47:34
Local clock offset: -5.241 ms
Remote clock offset: -10.369 ms

Below is generated by plot.py at 2018-06-06 06:16:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.72 Mbit/s
95th percentile per-packet one-way delay: 42.822 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 61.83 Mbit/s
95th percentile per-packet one-way delay: 24.022 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 30.01 Mbit/s
95th percentile per-packet one-way delay: 45.913 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 21.07 Mbit/s
95th percentile per-packet one-way delay: 47.369 ms
Loss rate: 0.57%

Run 10: Report of PCC-Expr — Data Link

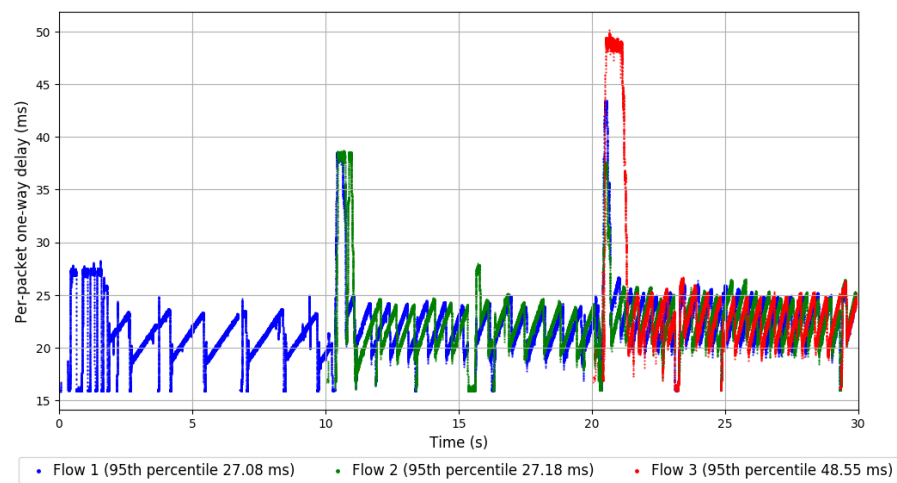
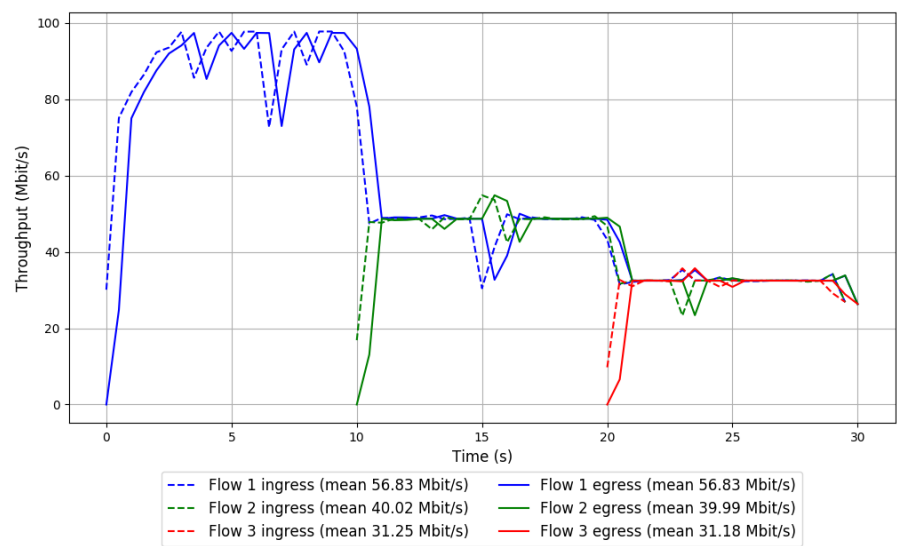


Run 1: Statistics of QUIC Cubic

Start at: 2018-06-06 03:04:34
End at: 2018-06-06 03:05:04
Local clock offset: 0.161 ms
Remote clock offset: -1.591 ms

Below is generated by plot.py at 2018-06-06 06:16:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.71 Mbit/s
95th percentile per-packet one-way delay: 27.180 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 56.83 Mbit/s
95th percentile per-packet one-way delay: 27.080 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.99 Mbit/s
95th percentile per-packet one-way delay: 27.180 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 31.18 Mbit/s
95th percentile per-packet one-way delay: 48.554 ms
Loss rate: 0.50%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

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

End at: 2018-06-06 03:23:59

Local clock offset: -0.267 ms

Remote clock offset: 0.39 ms

Below is generated by plot.py at 2018-06-06 06:16:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.93 Mbit/s

95th percentile per-packet one-way delay: 25.463 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 62.22 Mbit/s

95th percentile per-packet one-way delay: 24.922 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 36.05 Mbit/s

95th percentile per-packet one-way delay: 24.878 ms

Loss rate: 0.19%

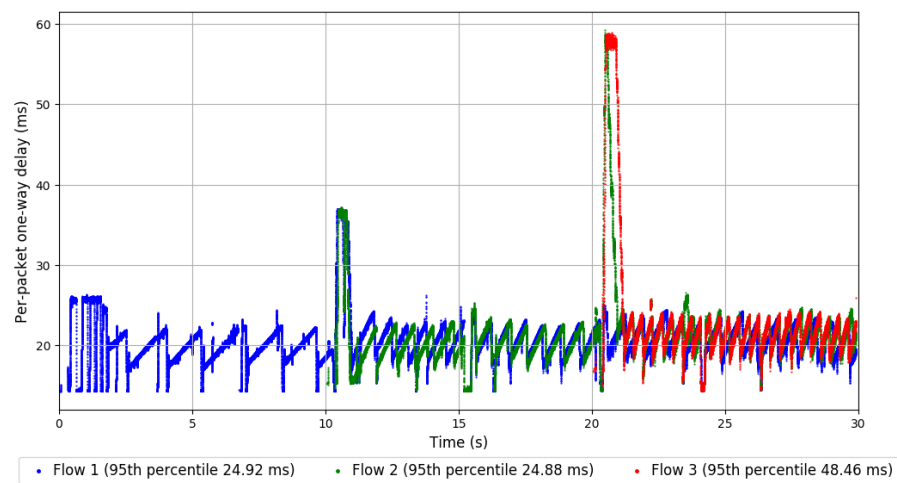
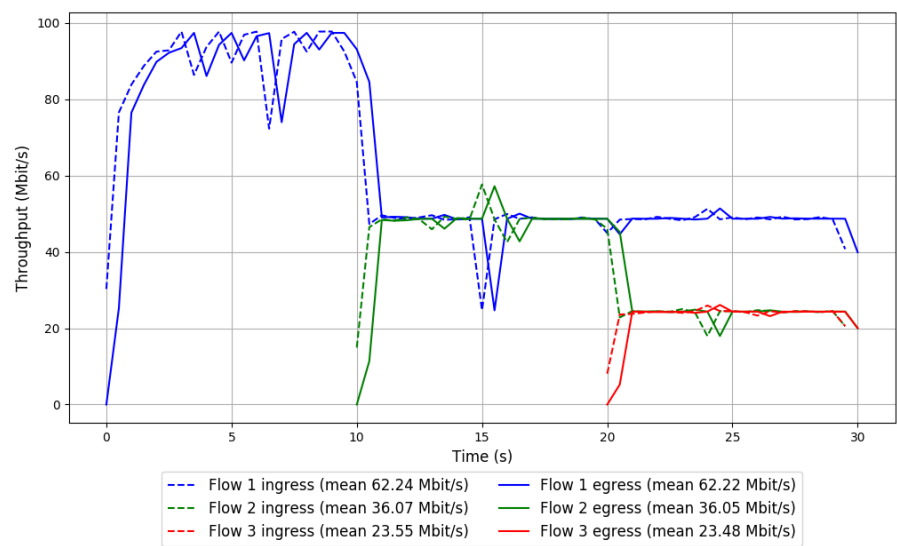
-- Flow 3:

Average throughput: 23.48 Mbit/s

95th percentile per-packet one-way delay: 48.458 ms

Loss rate: 0.54%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-06 03:42:16

End at: 2018-06-06 03:42:46

Local clock offset: -2.002 ms

Remote clock offset: 1.491 ms

Below is generated by plot.py at 2018-06-06 06:16:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.80 Mbit/s

95th percentile per-packet one-way delay: 25.204 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 54.43 Mbit/s

95th percentile per-packet one-way delay: 25.188 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 36.03 Mbit/s

95th percentile per-packet one-way delay: 24.761 ms

Loss rate: 0.20%

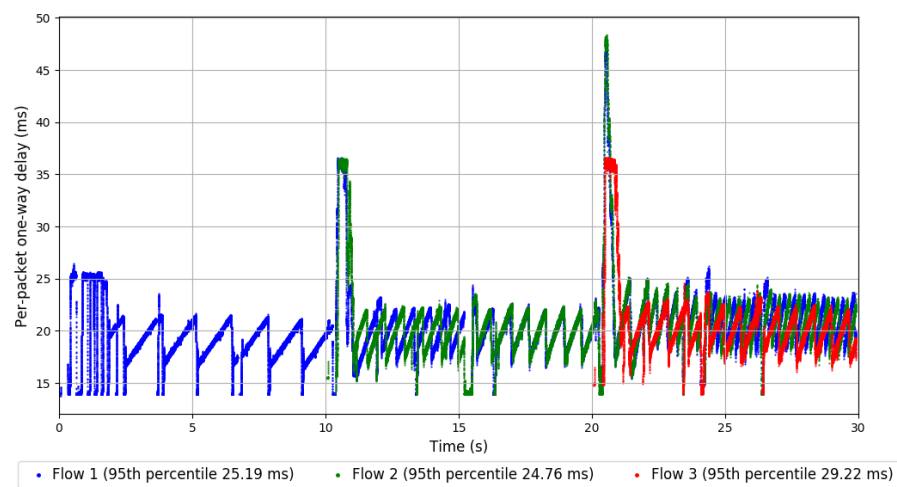
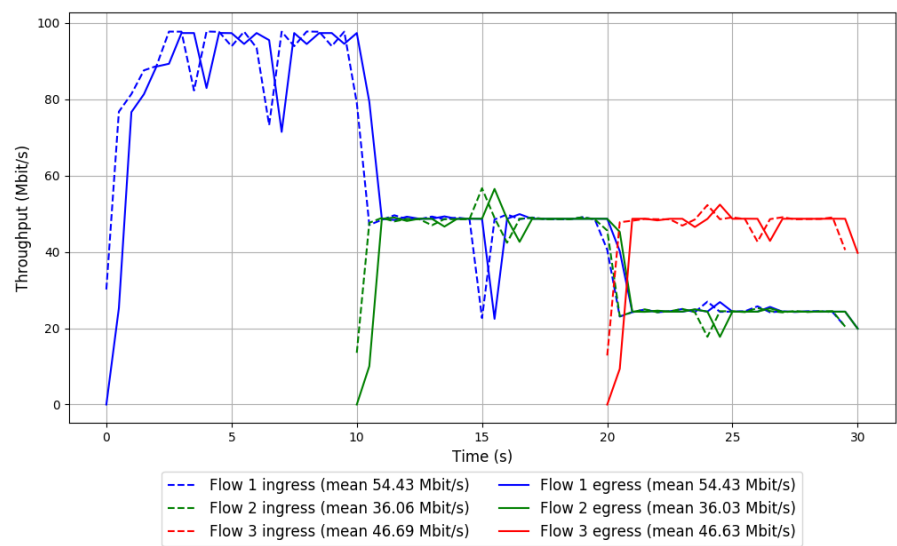
-- Flow 3:

Average throughput: 46.63 Mbit/s

95th percentile per-packet one-way delay: 29.221 ms

Loss rate: 0.37%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-06 04:00:57

End at: 2018-06-06 04:01:27

Local clock offset: -0.815 ms

Remote clock offset: 3.183 ms

Below is generated by plot.py at 2018-06-06 06:16:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.77 Mbit/s

95th percentile per-packet one-way delay: 26.935 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 62.01 Mbit/s

95th percentile per-packet one-way delay: 26.302 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 36.11 Mbit/s

95th percentile per-packet one-way delay: 27.594 ms

Loss rate: 0.20%

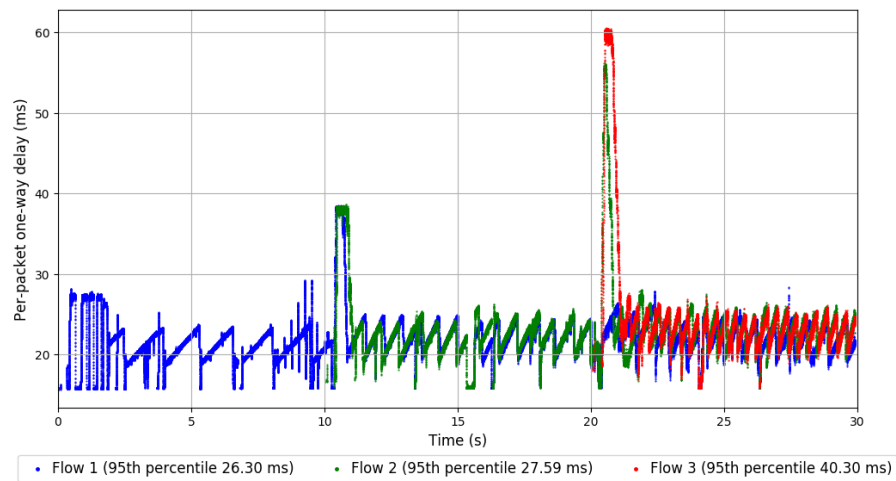
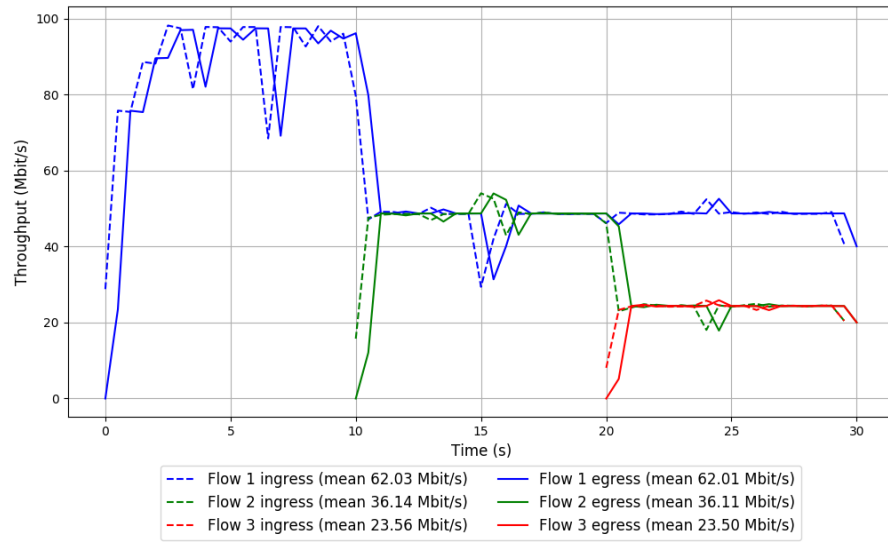
-- Flow 3:

Average throughput: 23.50 Mbit/s

95th percentile per-packet one-way delay: 40.296 ms

Loss rate: 0.52%

Run 4: Report of QUIC Cubic — Data Link

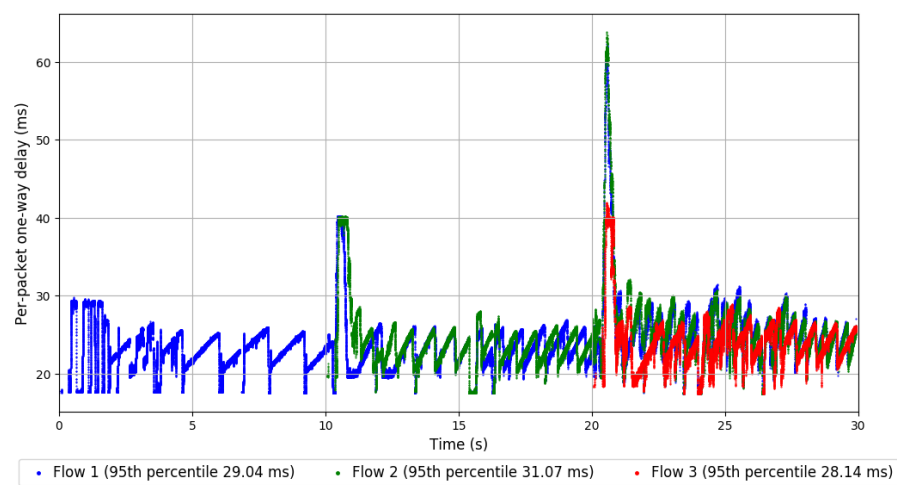
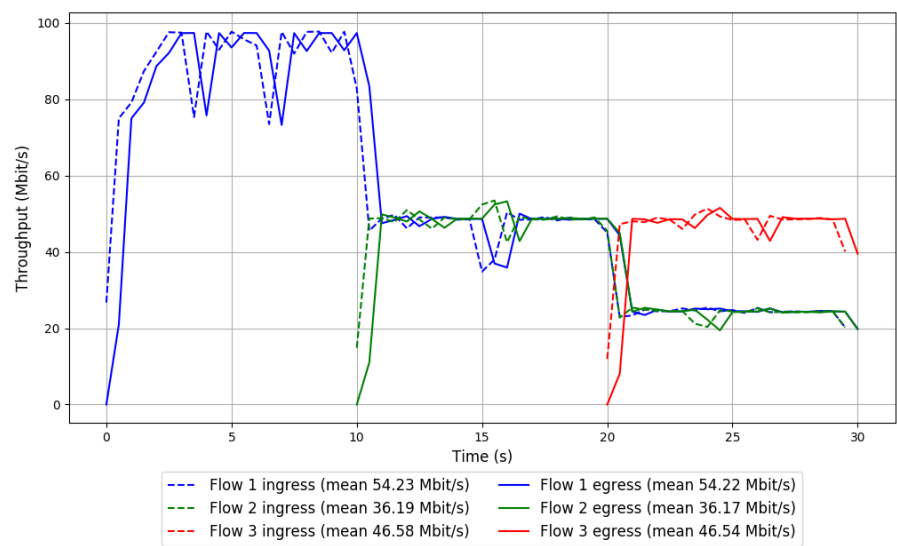


Run 5: Statistics of QUIC Cubic

Start at: 2018-06-06 04:20:01
End at: 2018-06-06 04:20:31
Local clock offset: 1.142 ms
Remote clock offset: -8.163 ms

Below is generated by plot.py at 2018-06-06 06:16:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 29.084 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 54.22 Mbit/s
95th percentile per-packet one-way delay: 29.044 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 36.17 Mbit/s
95th percentile per-packet one-way delay: 31.074 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 46.54 Mbit/s
95th percentile per-packet one-way delay: 28.136 ms
Loss rate: 0.35%

Run 5: Report of QUIC Cubic — Data Link

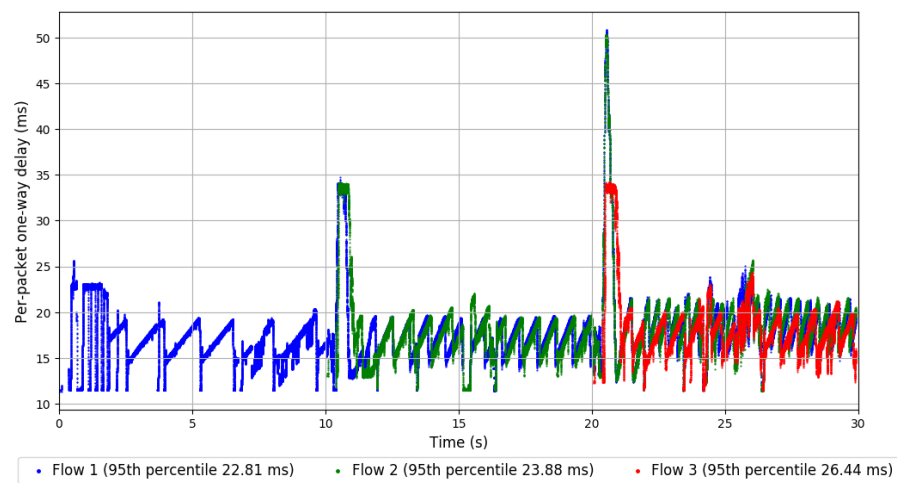
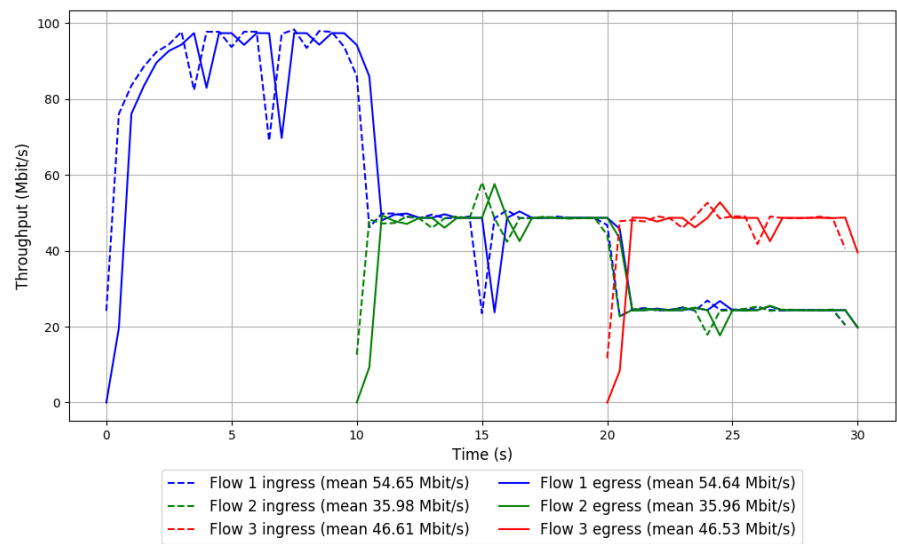


Run 6: Statistics of QUIC Cubic

Start at: 2018-06-06 04:38:53
End at: 2018-06-06 04:39:23
Local clock offset: -2.227 ms
Remote clock offset: -11.778 ms

Below is generated by plot.py at 2018-06-06 06:17:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 22.869 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 54.64 Mbit/s
95th percentile per-packet one-way delay: 22.812 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 35.96 Mbit/s
95th percentile per-packet one-way delay: 23.881 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 46.53 Mbit/s
95th percentile per-packet one-way delay: 26.440 ms
Loss rate: 0.36%

Run 6: Report of QUIC Cubic — Data Link

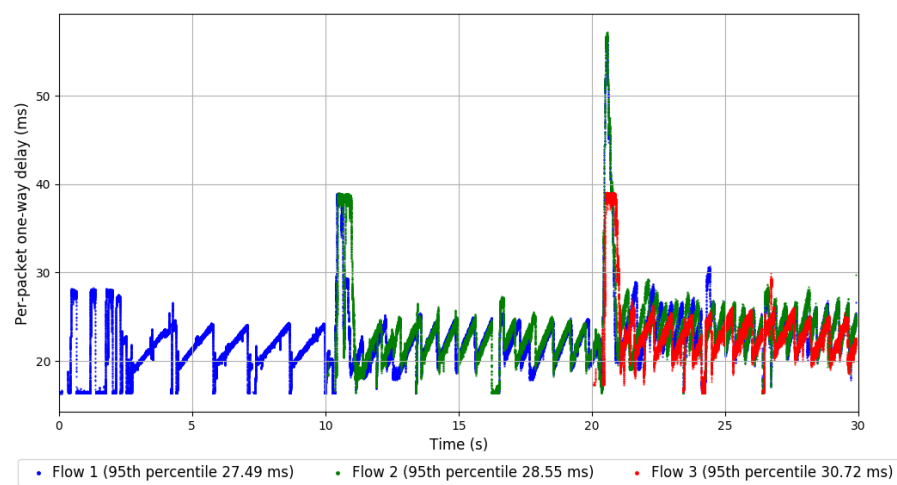
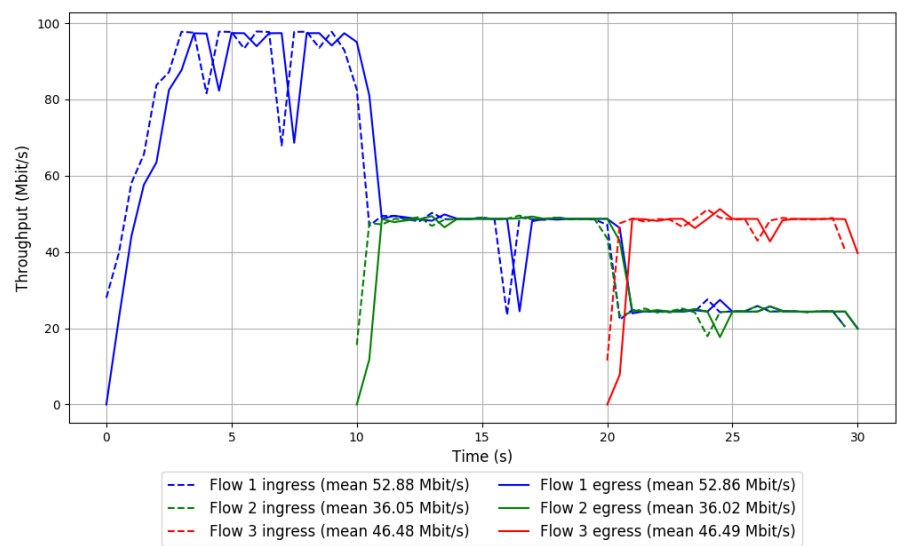


Run 7: Statistics of QUIC Cubic

Start at: 2018-06-06 04:57:52
End at: 2018-06-06 04:58:22
Local clock offset: 1.983 ms
Remote clock offset: -10.319 ms

Below is generated by plot.py at 2018-06-06 06:17:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.14 Mbit/s
95th percentile per-packet one-way delay: 27.608 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 52.86 Mbit/s
95th percentile per-packet one-way delay: 27.491 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 36.02 Mbit/s
95th percentile per-packet one-way delay: 28.550 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 46.49 Mbit/s
95th percentile per-packet one-way delay: 30.719 ms
Loss rate: 0.38%

Run 7: Report of QUIC Cubic — Data Link

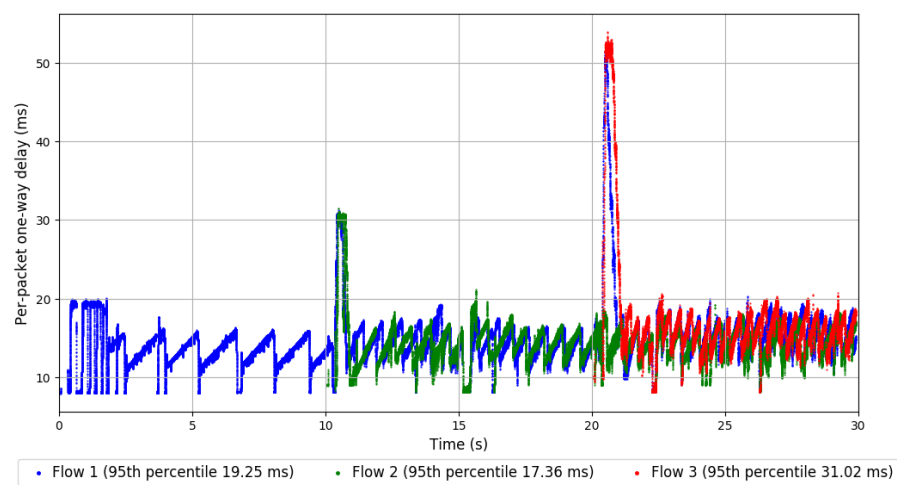
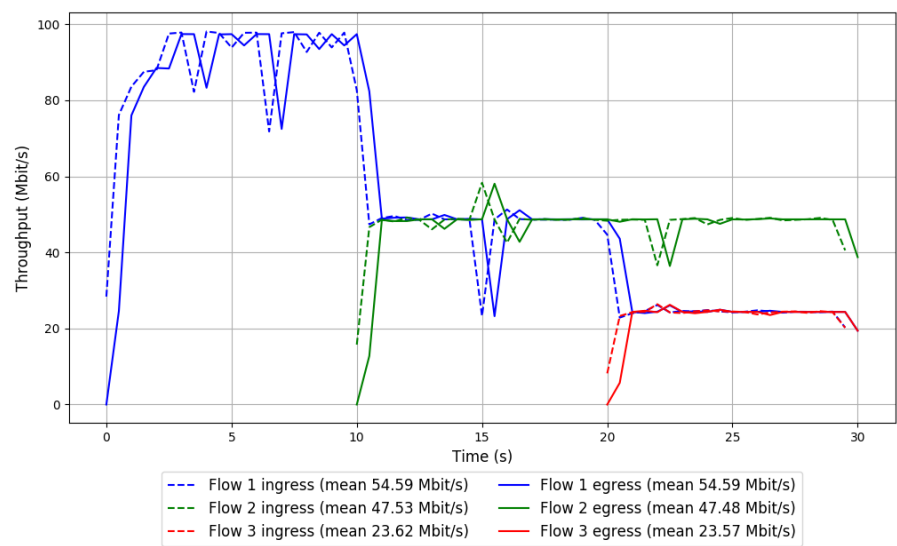


Run 8: Statistics of QUIC Cubic

Start at: 2018-06-06 05:16:59
End at: 2018-06-06 05:17:29
Local clock offset: -6.885 ms
Remote clock offset: -10.425 ms

Below is generated by plot.py at 2018-06-06 06:17:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.94 Mbit/s
95th percentile per-packet one-way delay: 18.914 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 54.59 Mbit/s
95th percentile per-packet one-way delay: 19.248 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 47.48 Mbit/s
95th percentile per-packet one-way delay: 17.362 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 23.57 Mbit/s
95th percentile per-packet one-way delay: 31.023 ms
Loss rate: 0.48%

Run 8: Report of QUIC Cubic — Data Link

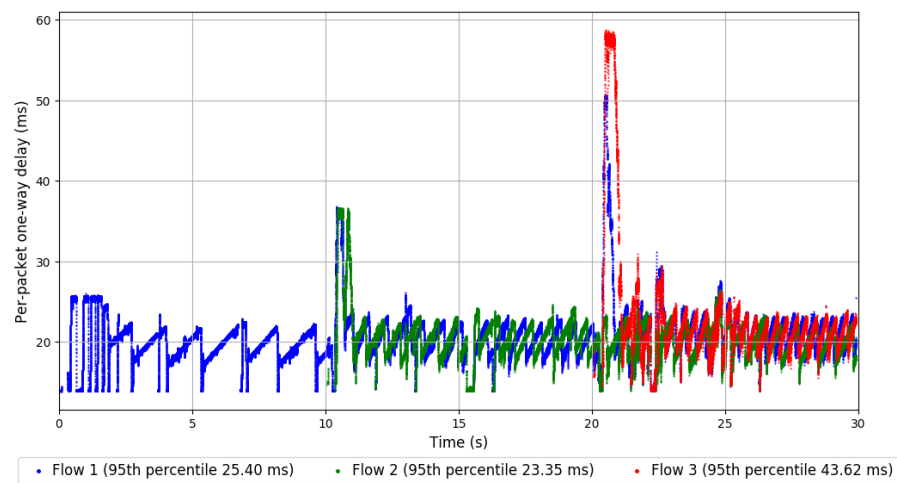
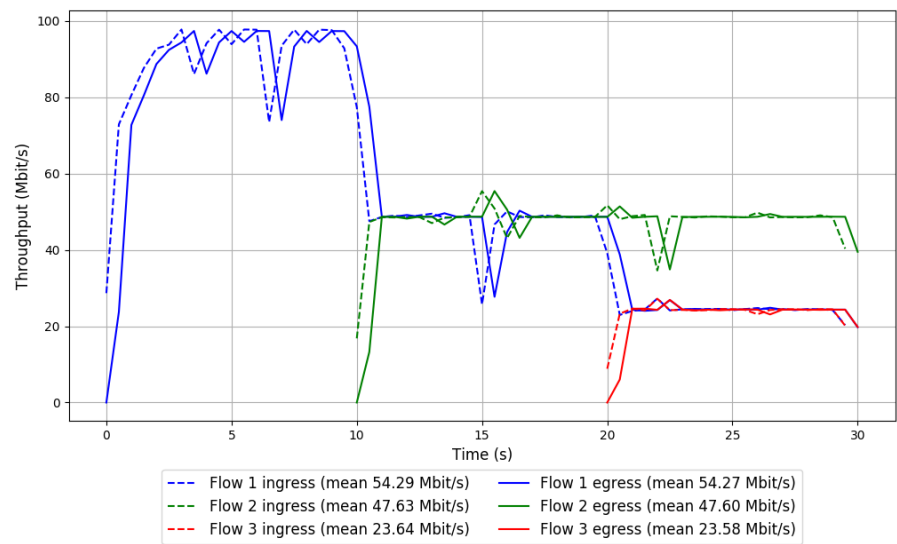


Run 9: Statistics of QUIC Cubic

Start at: 2018-06-06 05:36:18
End at: 2018-06-06 05:36:48
Local clock offset: -1.551 ms
Remote clock offset: -9.762 ms

Below is generated by plot.py at 2018-06-06 06:17:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.71 Mbit/s
95th percentile per-packet one-way delay: 25.337 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 54.27 Mbit/s
95th percentile per-packet one-way delay: 25.404 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 47.60 Mbit/s
95th percentile per-packet one-way delay: 23.350 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 23.58 Mbit/s
95th percentile per-packet one-way delay: 43.624 ms
Loss rate: 0.49%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-06 05:55:18

End at: 2018-06-06 05:55:48

Local clock offset: -1.095 ms

Remote clock offset: 4.0 ms

Below is generated by plot.py at 2018-06-06 06:17:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.87 Mbit/s

95th percentile per-packet one-way delay: 16.619 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 54.78 Mbit/s

95th percentile per-packet one-way delay: 16.634 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 35.84 Mbit/s

95th percentile per-packet one-way delay: 16.682 ms

Loss rate: 0.30%

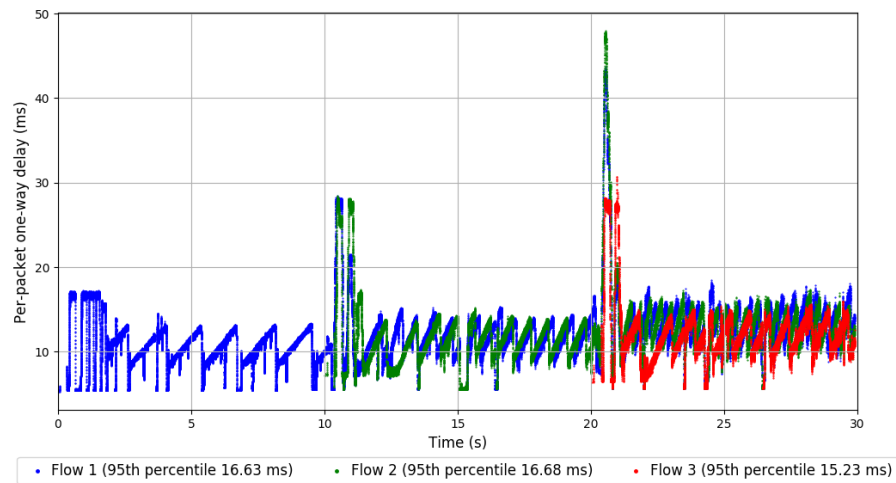
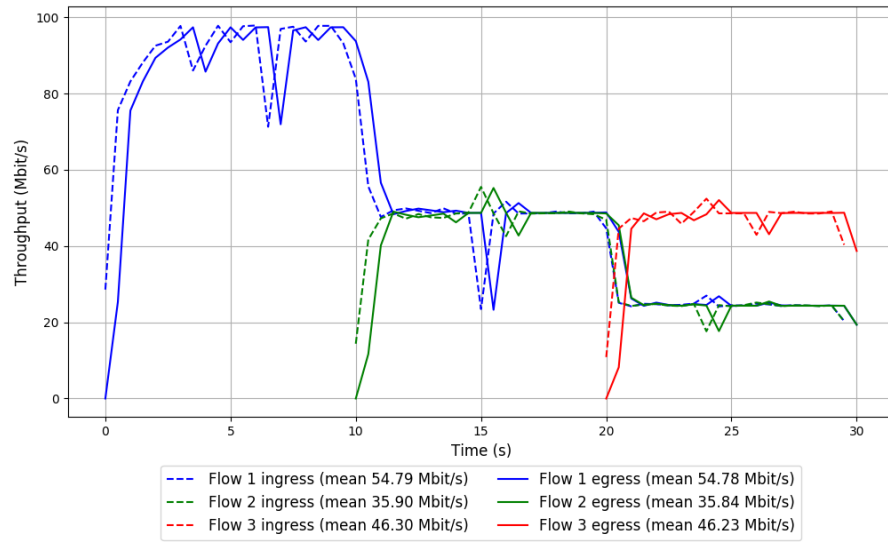
-- Flow 3:

Average throughput: 46.23 Mbit/s

95th percentile per-packet one-way delay: 15.231 ms

Loss rate: 0.39%

Run 10: Report of QUIC Cubic — Data Link

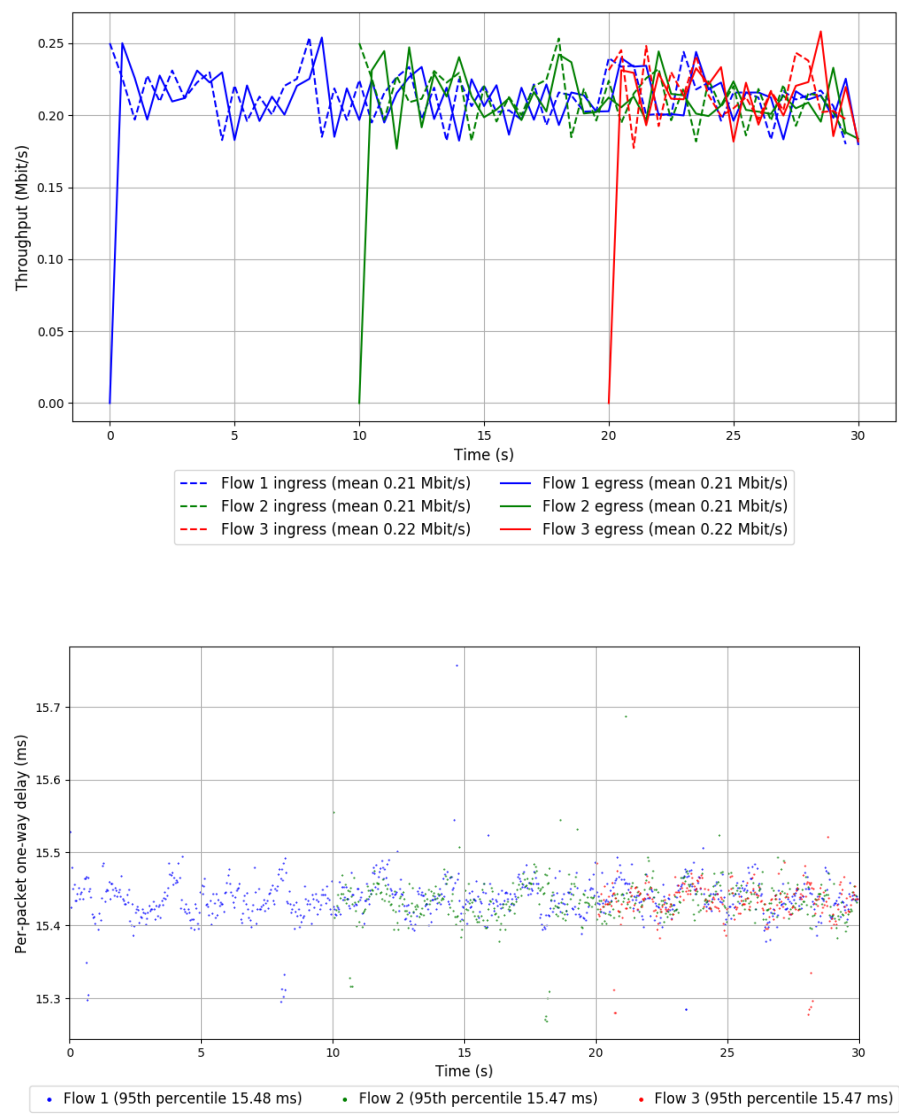


Run 1: Statistics of SReAM

Start at: 2018-06-06 03:03:29
End at: 2018-06-06 03:03:59
Local clock offset: -0.741 ms
Remote clock offset: -1.988 ms

Below is generated by plot.py at 2018-06-06 06:17:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 15.473 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.477 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.471 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.467 ms
Loss rate: 0.36%

Run 1: Report of SReAM — Data Link

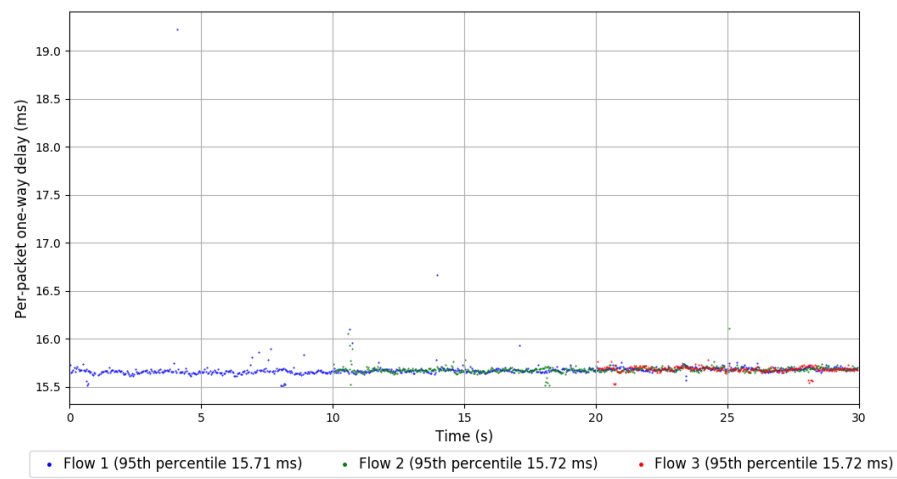
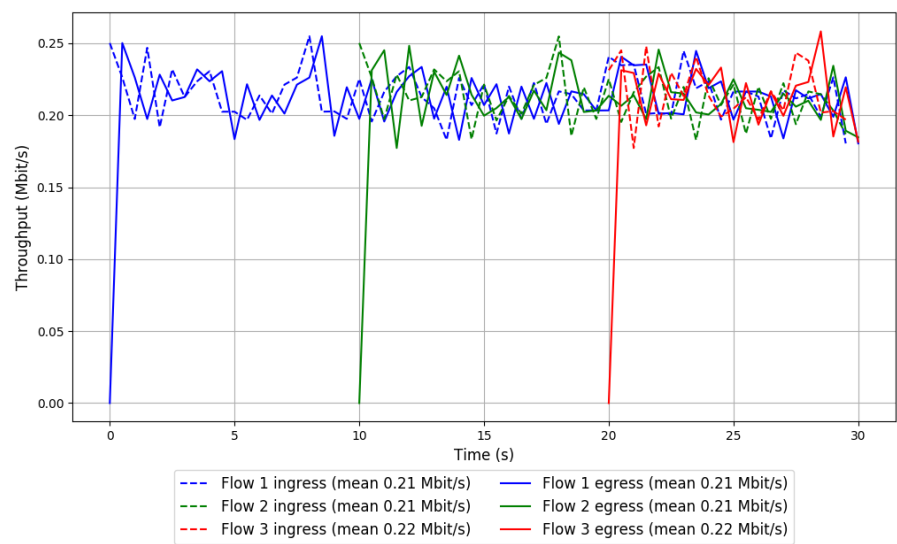


```
Run 2: Statistics of SReAM

Start at: 2018-06-06 03:22:24
End at: 2018-06-06 03:22:54
Local clock offset: 1.171 ms
Remote clock offset: 0.467 ms

# Below is generated by plot.py at 2018-06-06 06:17:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 15.717 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.710 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.717 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.721 ms
Loss rate: 0.36%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-06-06 03:41:11

End at: 2018-06-06 03:41:41

Local clock offset: -1.205 ms

Remote clock offset: 1.72 ms

Below is generated by plot.py at 2018-06-06 06:17:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 14.384 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 14.381 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 14.380 ms

Loss rate: 0.19%

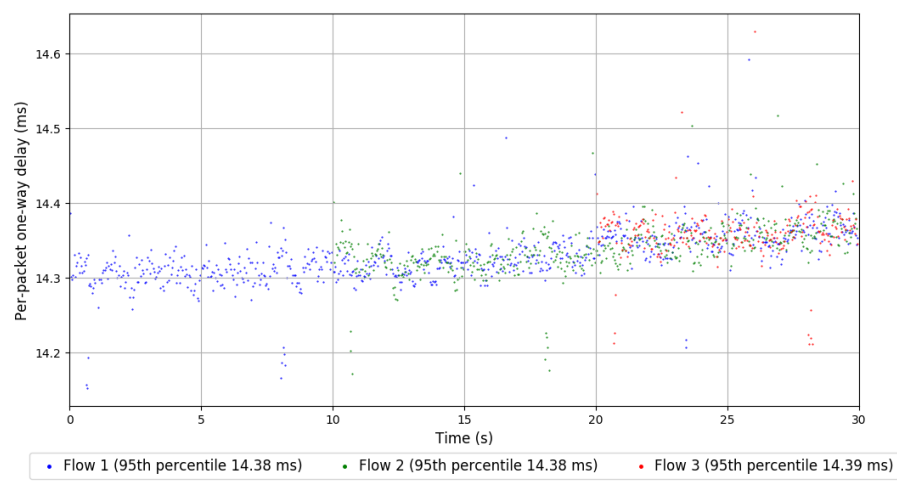
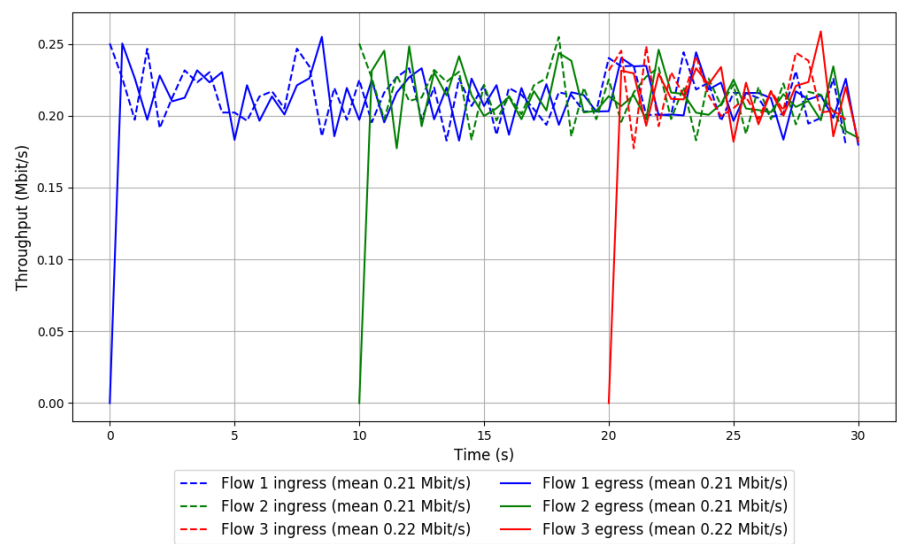
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 14.392 ms

Loss rate: 0.36%

Run 3: Report of SReAM — Data Link

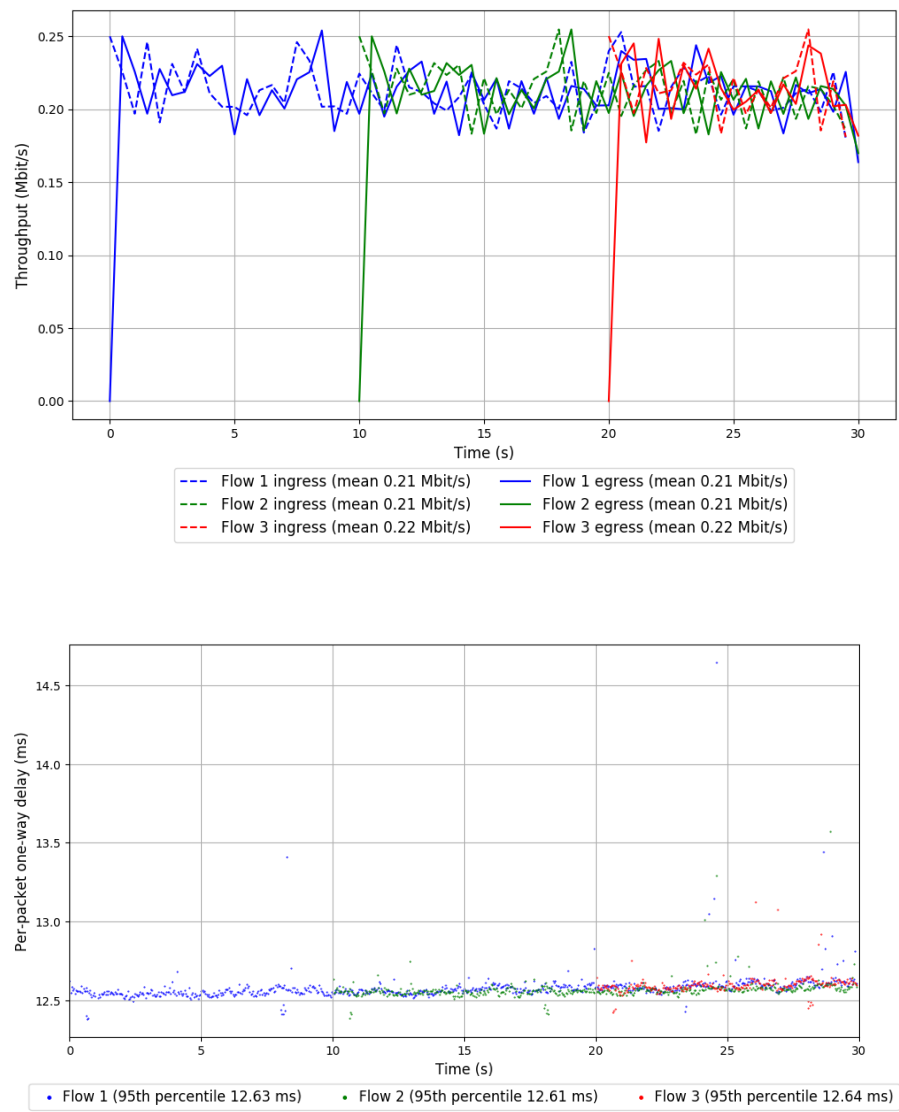


Run 4: Statistics of SReAM

Start at: 2018-06-06 03:59:52
End at: 2018-06-06 04:00:22
Local clock offset: -2.841 ms
Remote clock offset: 4.29 ms

```
# Below is generated by plot.py at 2018-06-06 06:17:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 12.632 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.631 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.606 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 12.641 ms
Loss rate: 0.35%
```

Run 4: Report of SReAM — Data Link

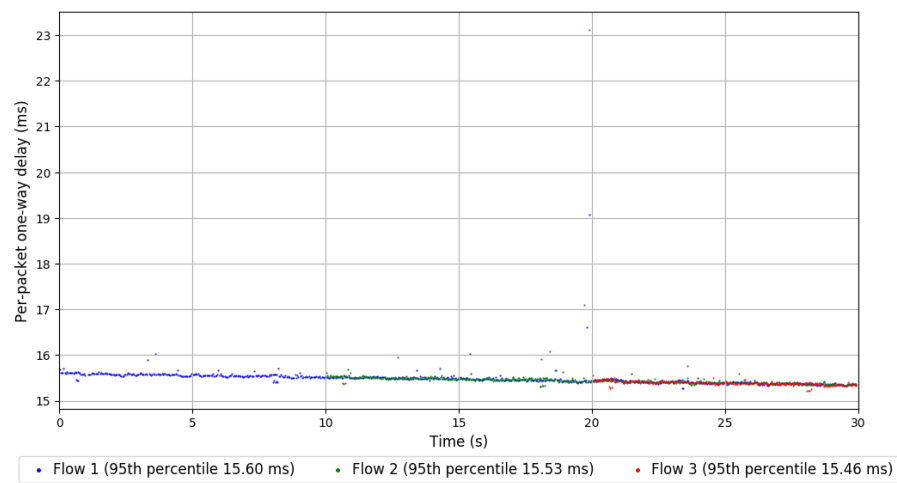
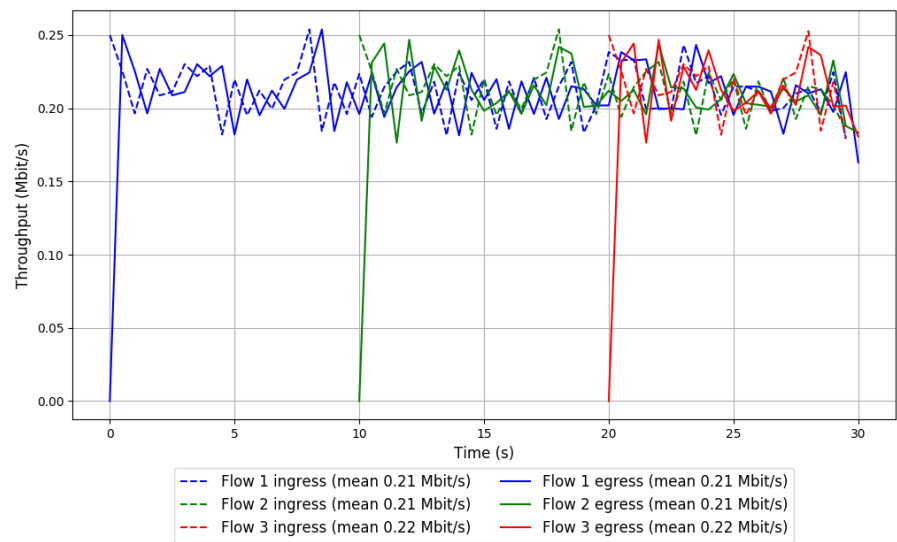


Run 5: Statistics of SReAM

Start at: 2018-06-06 04:18:56
End at: 2018-06-06 04:19:26
Local clock offset: -0.601 ms
Remote clock offset: -7.317 ms

Below is generated by plot.py at 2018-06-06 06:17:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 15.587 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.600 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.532 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.455 ms
Loss rate: 0.35%

Run 5: Report of SReAM — Data Link

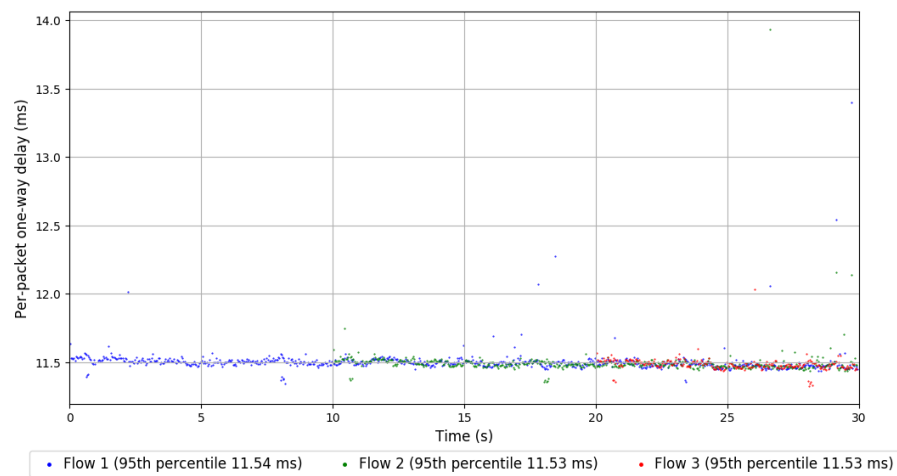
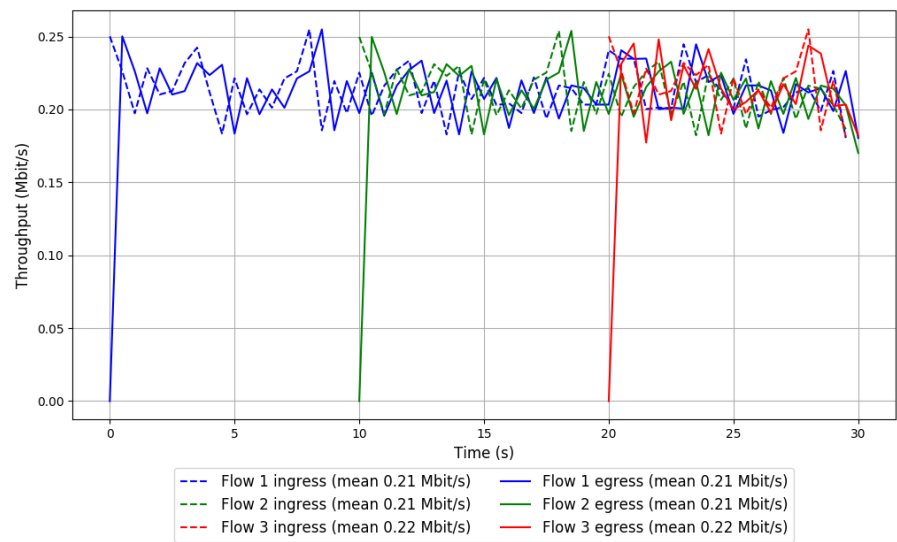


Run 6: Statistics of SReAM

Start at: 2018-06-06 04:37:48
End at: 2018-06-06 04:38:18
Local clock offset: -2.345 ms
Remote clock offset: -11.845 ms

Below is generated by plot.py at 2018-06-06 06:17:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 11.537 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.540 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.534 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 11.528 ms
Loss rate: 0.36%

Run 6: Report of SReAM — Data Link

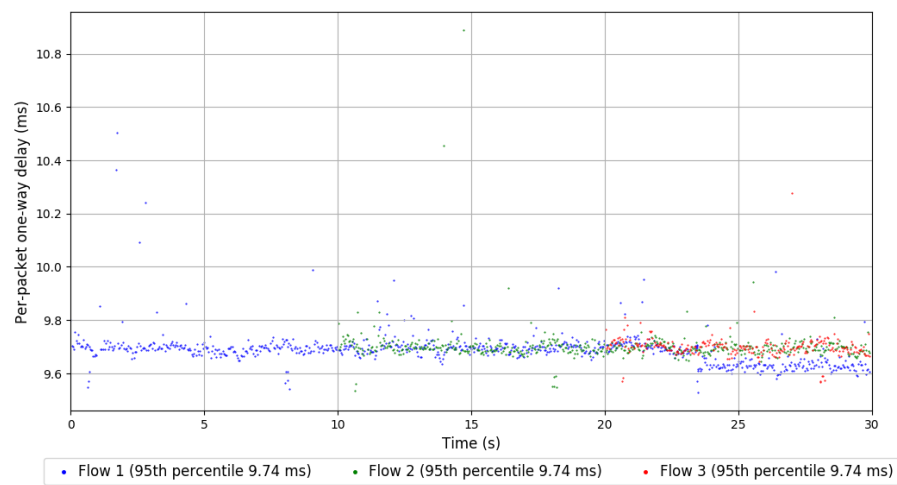
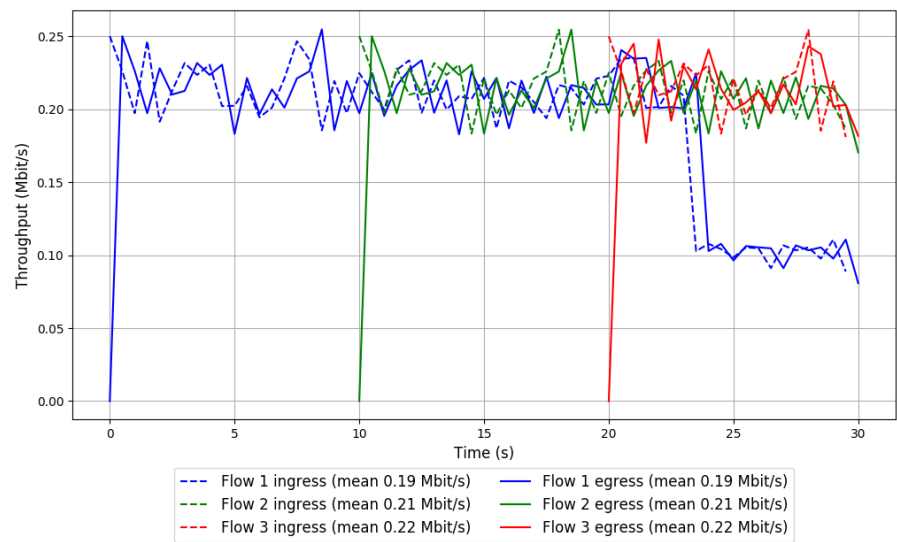


Run 7: Statistics of SReAM

Start at: 2018-06-06 04:56:47
End at: 2018-06-06 04:57:17
Local clock offset: -4.841 ms
Remote clock offset: -10.445 ms

Below is generated by plot.py at 2018-06-06 06:17:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 9.742 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 9.742 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.738 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 9.745 ms
Loss rate: 0.36%

Run 7: Report of SReAM — Data Link

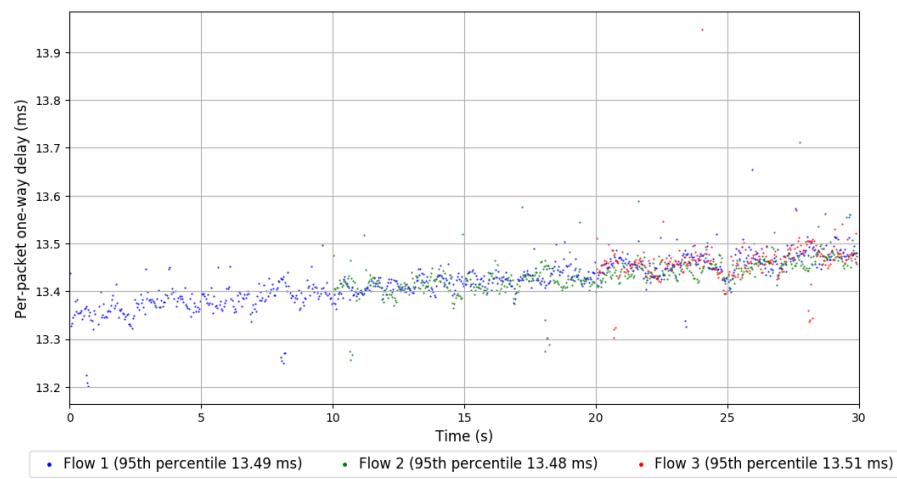
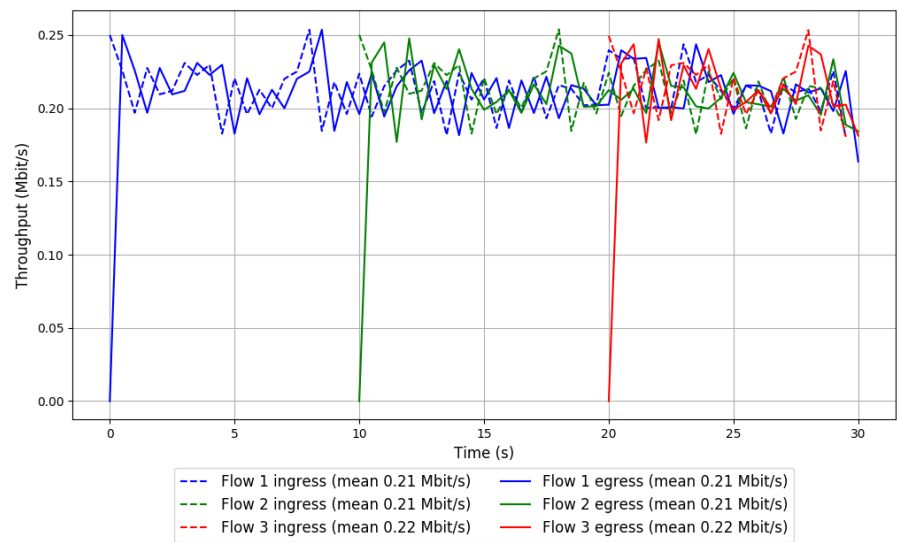


Run 8: Statistics of SReAM

Start at: 2018-06-06 05:15:55
End at: 2018-06-06 05:16:25
Local clock offset: -1.316 ms
Remote clock offset: -10.399 ms

Below is generated by plot.py at 2018-06-06 06:17:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 13.492 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.488 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.480 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 13.505 ms
Loss rate: 0.36%

Run 8: Report of SReAM — Data Link

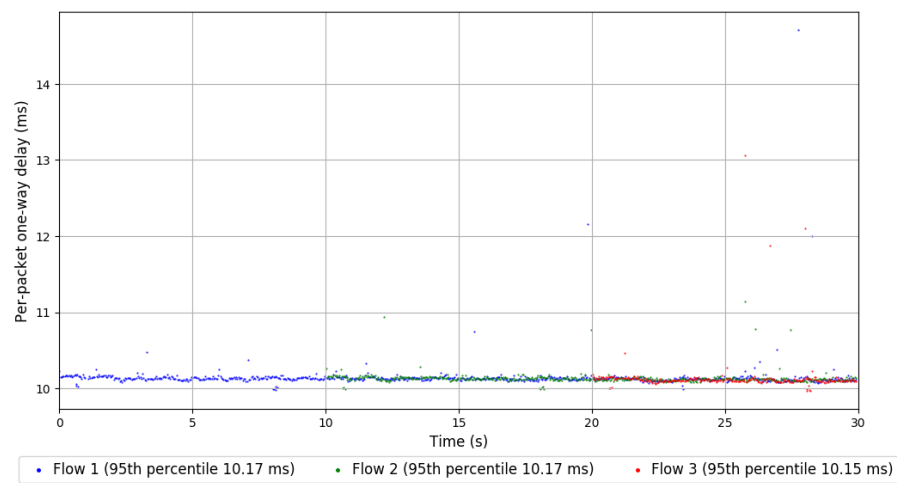
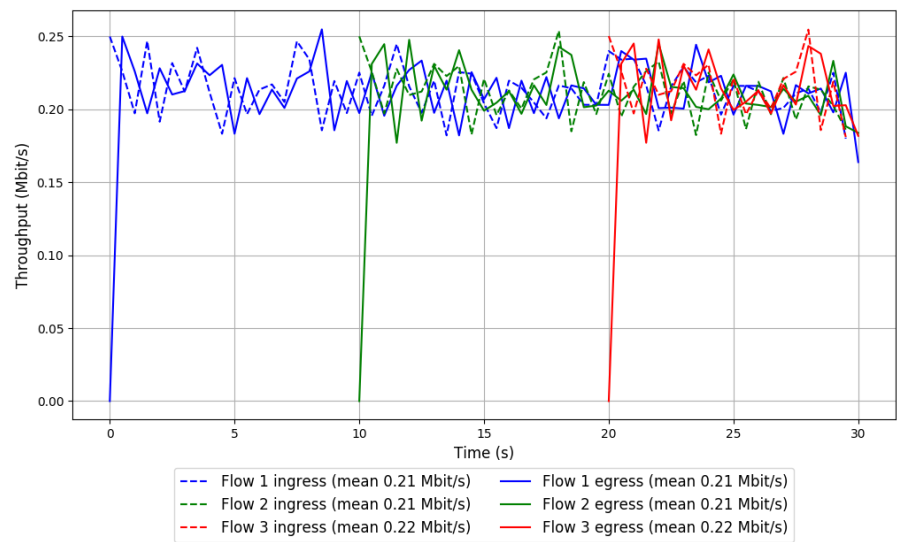


Run 9: Statistics of SReAM

Start at: 2018-06-06 05:35:13
End at: 2018-06-06 05:35:43
Local clock offset: -5.138 ms
Remote clock offset: -9.468 ms

Below is generated by plot.py at 2018-06-06 06:17:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 10.170 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.174 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.169 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.155 ms
Loss rate: 0.36%

Run 9: Report of SReAM — Data Link

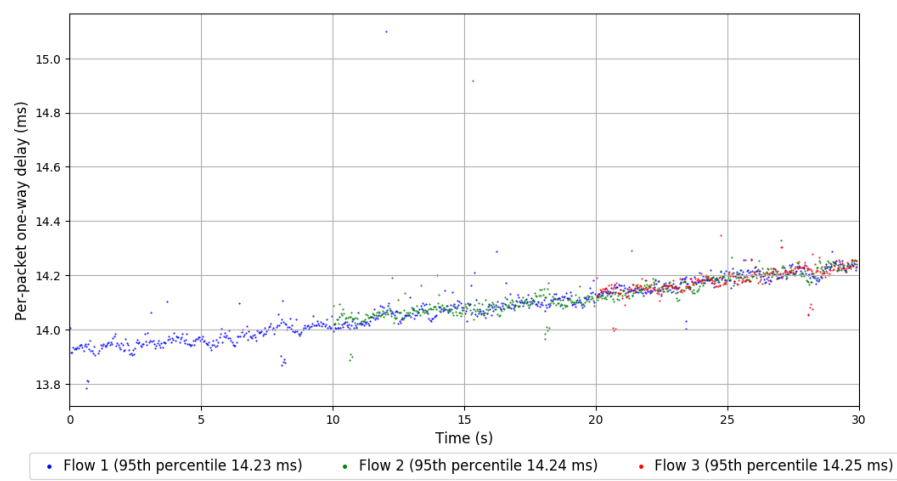
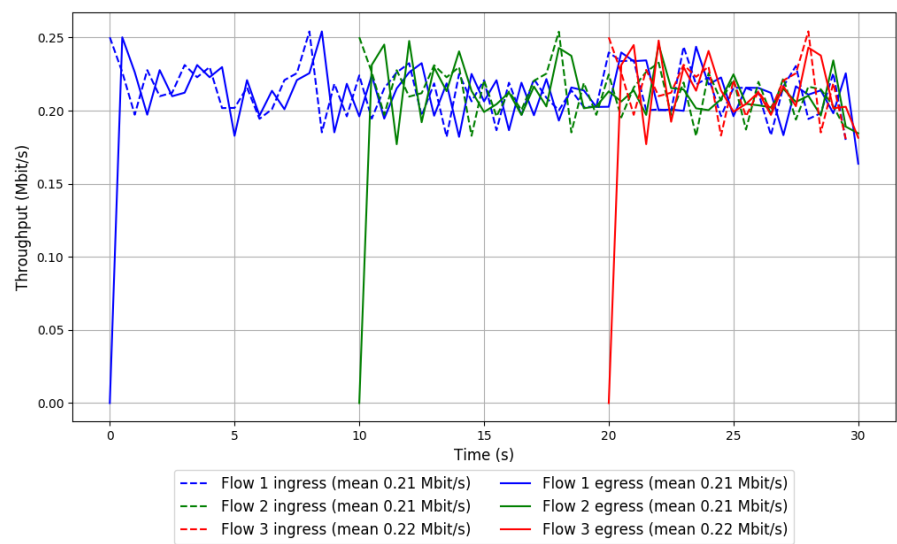


Run 10: Statistics of SReAM

Start at: 2018-06-06 05:54:14
End at: 2018-06-06 05:54:44
Local clock offset: 0.002 ms
Remote clock offset: -4.129 ms

Below is generated by plot.py at 2018-06-06 06:17:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 14.234 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.227 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.236 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 14.249 ms
Loss rate: 0.36%

Run 10: Report of SReAM — Data Link

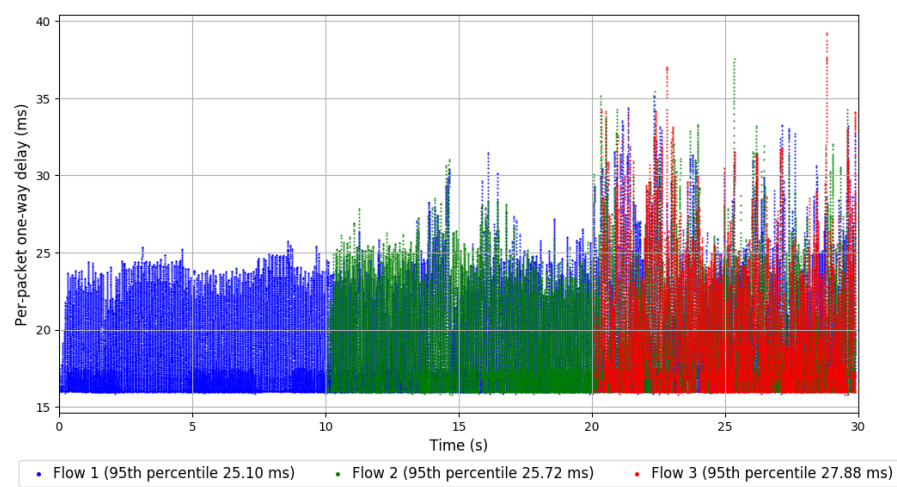
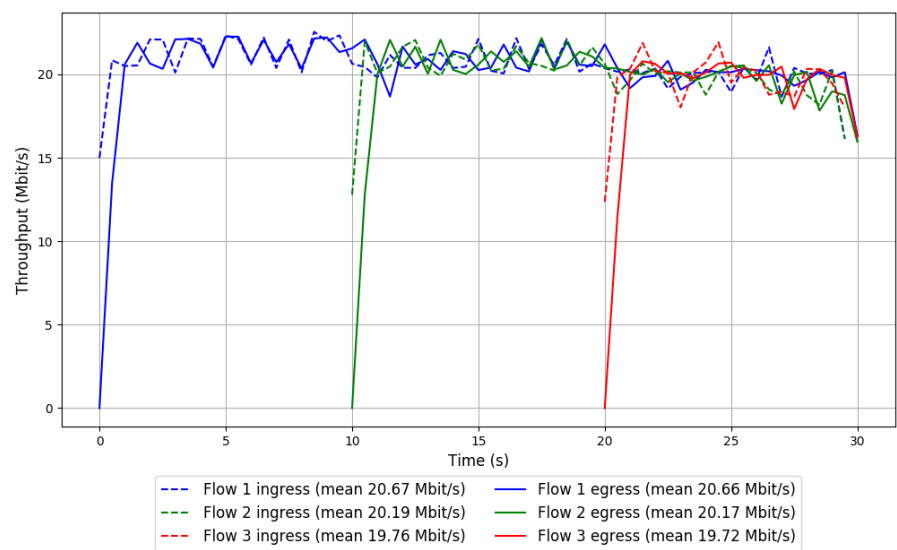


Run 1: Statistics of Sprout

Start at: 2018-06-06 02:50:35
End at: 2018-06-06 02:51:05
Local clock offset: -0.048 ms
Remote clock offset: -4.349 ms

Below is generated by plot.py at 2018-06-06 06:17:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 25.827 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 20.66 Mbit/s
95th percentile per-packet one-way delay: 25.097 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 20.17 Mbit/s
95th percentile per-packet one-way delay: 25.717 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 19.72 Mbit/s
95th percentile per-packet one-way delay: 27.883 ms
Loss rate: 0.45%

Run 1: Report of Sprout — Data Link

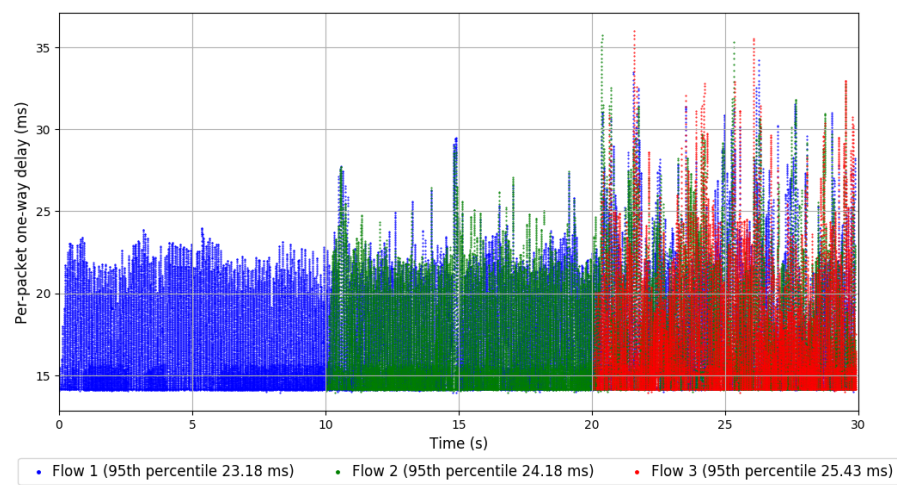
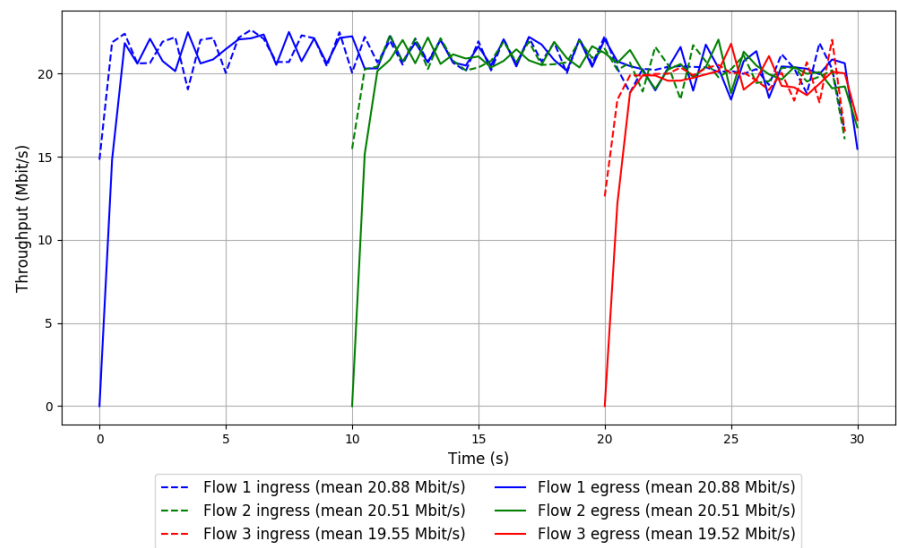


Run 2: Statistics of Sprout

Start at: 2018-06-06 03:09:14
End at: 2018-06-06 03:09:44
Local clock offset: -0.978 ms
Remote clock offset: -0.785 ms

```
# Below is generated by plot.py at 2018-06-06 06:17:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.93 Mbit/s
95th percentile per-packet one-way delay: 23.941 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 20.88 Mbit/s
95th percentile per-packet one-way delay: 23.177 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 20.51 Mbit/s
95th percentile per-packet one-way delay: 24.185 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 19.52 Mbit/s
95th percentile per-packet one-way delay: 25.431 ms
Loss rate: 0.35%
```

Run 2: Report of Sprout — Data Link

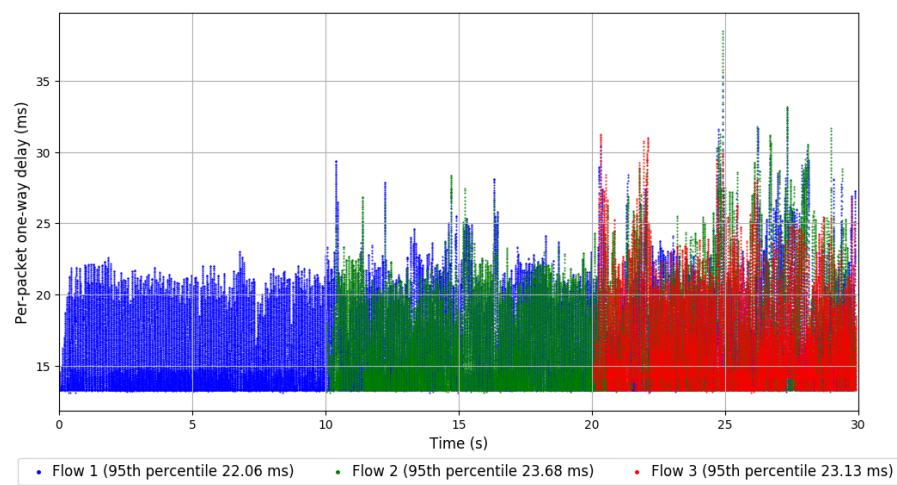
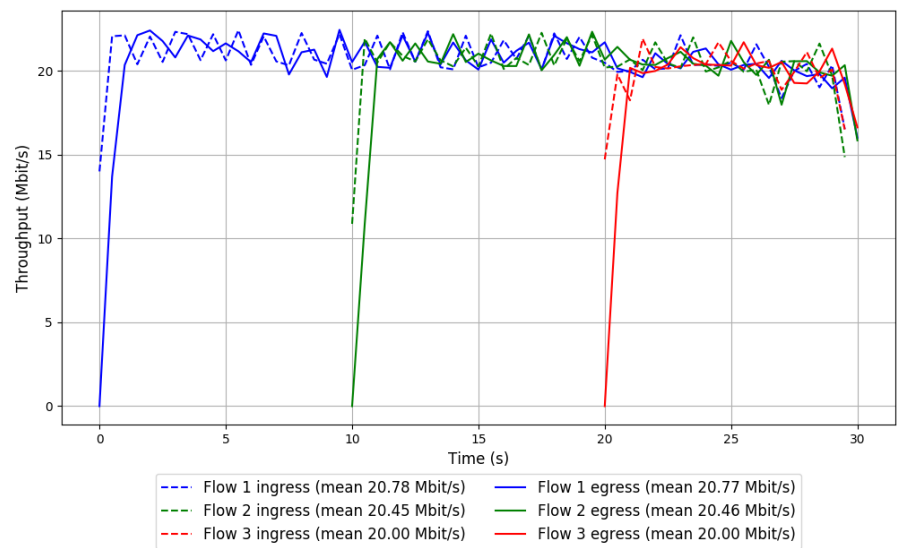


Run 3: Statistics of Sprout

Start at: 2018-06-06 03:28:12
End at: 2018-06-06 03:28:42
Local clock offset: -0.926 ms
Remote clock offset: 1.15 ms

```
# Below is generated by plot.py at 2018-06-06 06:17:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.96 Mbit/s
95th percentile per-packet one-way delay: 22.768 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 20.77 Mbit/s
95th percentile per-packet one-way delay: 22.064 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 20.46 Mbit/s
95th percentile per-packet one-way delay: 23.683 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 20.00 Mbit/s
95th percentile per-packet one-way delay: 23.126 ms
Loss rate: 0.20%
```

Run 3: Report of Sprout — Data Link

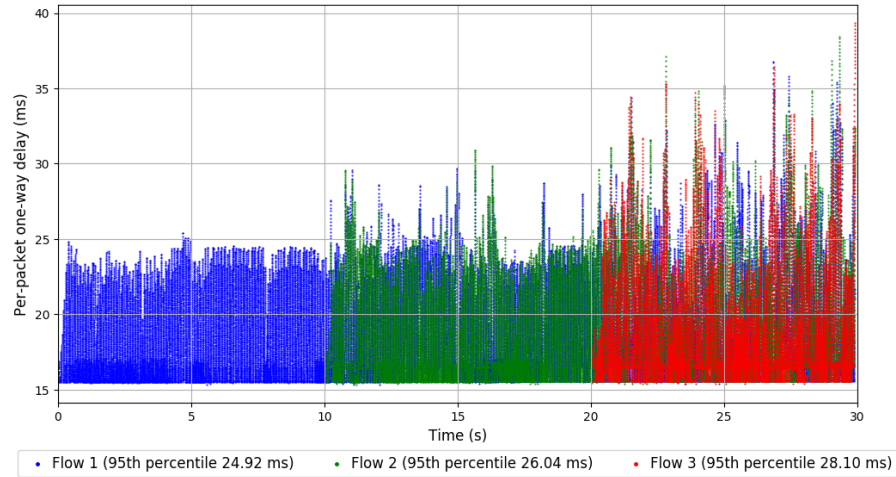
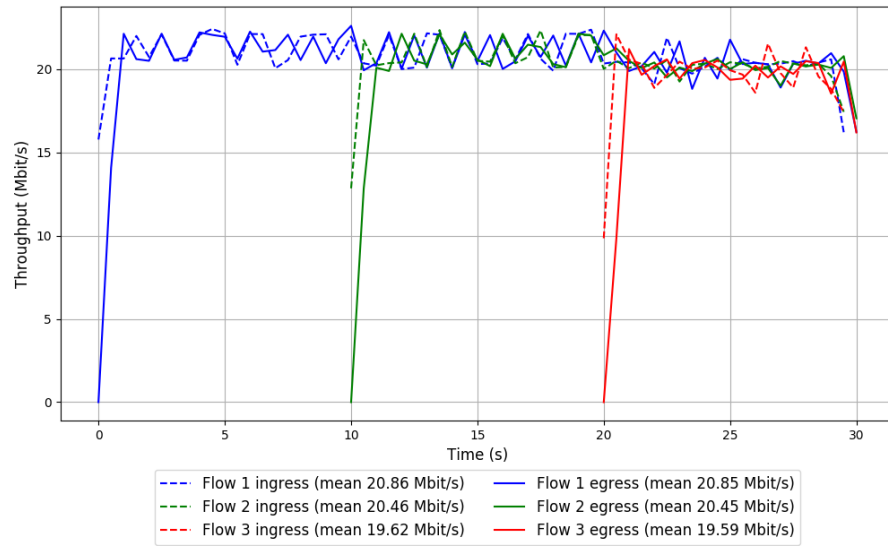


Run 4: Statistics of Sprout

Start at: 2018-06-06 03:47:05
End at: 2018-06-06 03:47:35
Local clock offset: -0.238 ms
Remote clock offset: 2.381 ms

```
# Below is generated by plot.py at 2018-06-06 06:17:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.91 Mbit/s
95th percentile per-packet one-way delay: 25.912 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 20.85 Mbit/s
95th percentile per-packet one-way delay: 24.923 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 20.45 Mbit/s
95th percentile per-packet one-way delay: 26.035 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 19.59 Mbit/s
95th percentile per-packet one-way delay: 28.097 ms
Loss rate: 0.40%
```

Run 4: Report of Sprout — Data Link

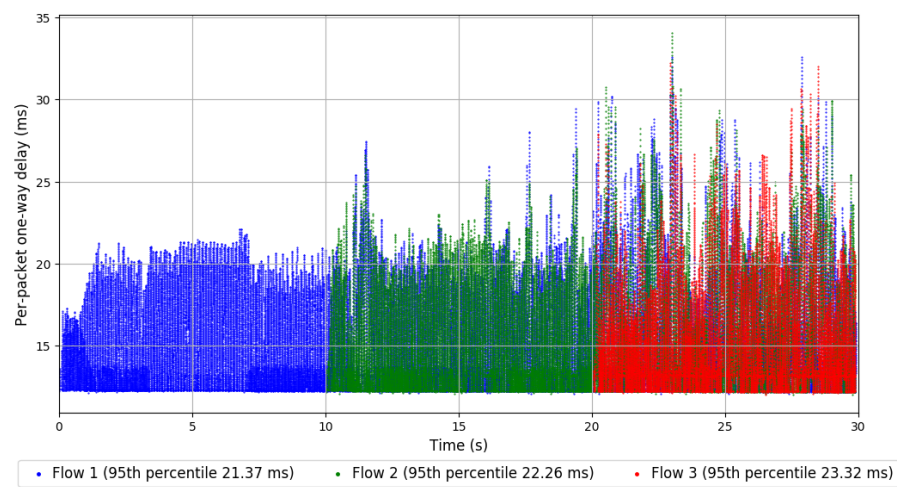
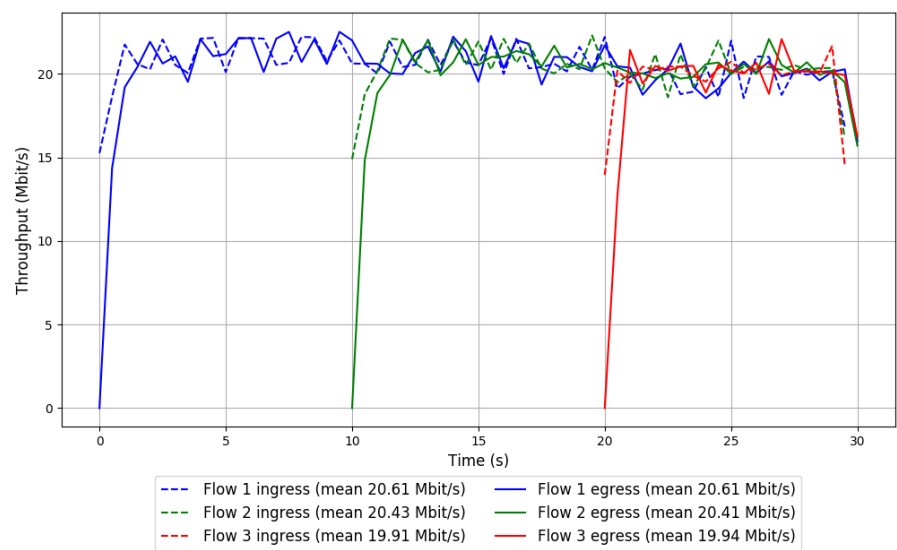


Run 5: Statistics of Sprout

Start at: 2018-06-06 04:05:43
End at: 2018-06-06 04:06:13
Local clock offset: -3.246 ms
Remote clock offset: 4.054 ms

Below is generated by plot.py at 2018-06-06 06:17:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.74 Mbit/s
95th percentile per-packet one-way delay: 22.059 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 20.61 Mbit/s
95th percentile per-packet one-way delay: 21.374 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 20.41 Mbit/s
95th percentile per-packet one-way delay: 22.263 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 19.94 Mbit/s
95th percentile per-packet one-way delay: 23.322 ms
Loss rate: 0.01%

Run 5: Report of Sprout — Data Link

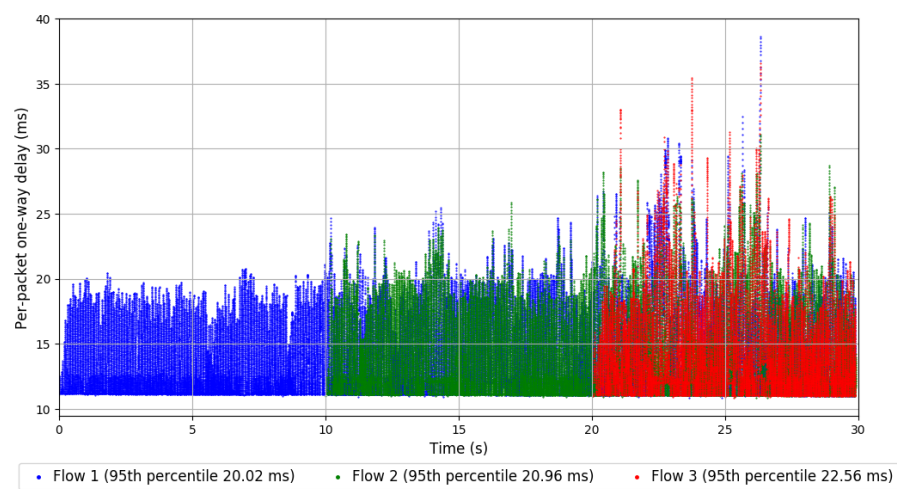
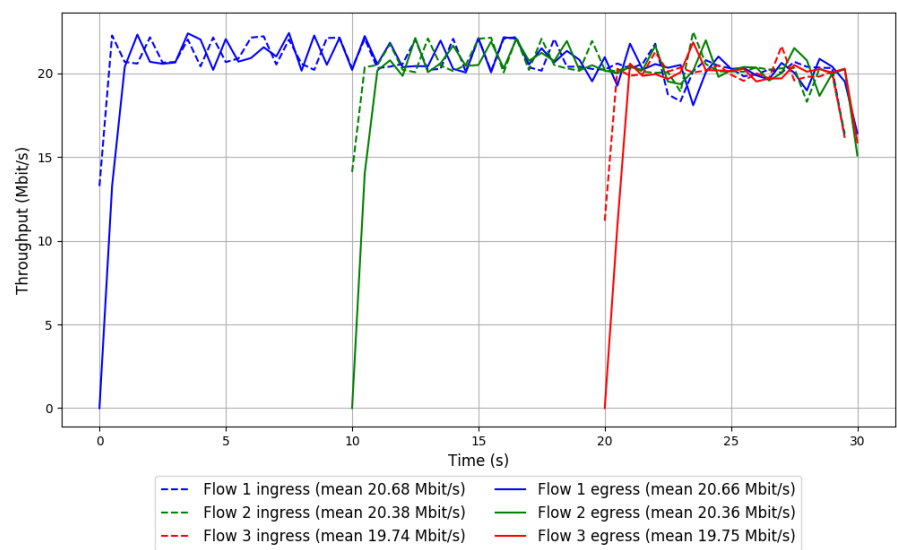


Run 6: Statistics of Sprout

Start at: 2018-06-06 04:24:49
End at: 2018-06-06 04:25:19
Local clock offset: -2.62 ms
Remote clock offset: -9.092 ms

Below is generated by plot.py at 2018-06-06 06:17:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.71 Mbit/s
95th percentile per-packet one-way delay: 20.756 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 20.66 Mbit/s
95th percentile per-packet one-way delay: 20.023 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 20.36 Mbit/s
95th percentile per-packet one-way delay: 20.956 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 19.75 Mbit/s
95th percentile per-packet one-way delay: 22.559 ms
Loss rate: 0.09%

Run 6: Report of Sprout — Data Link

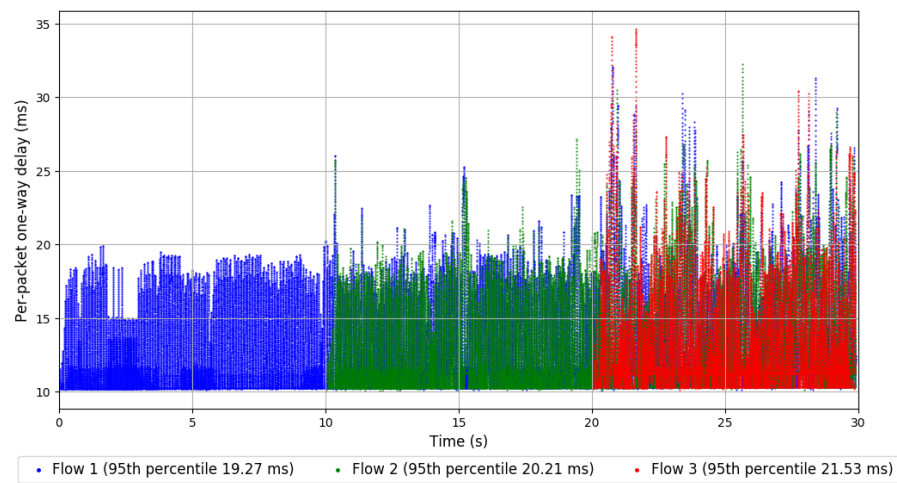
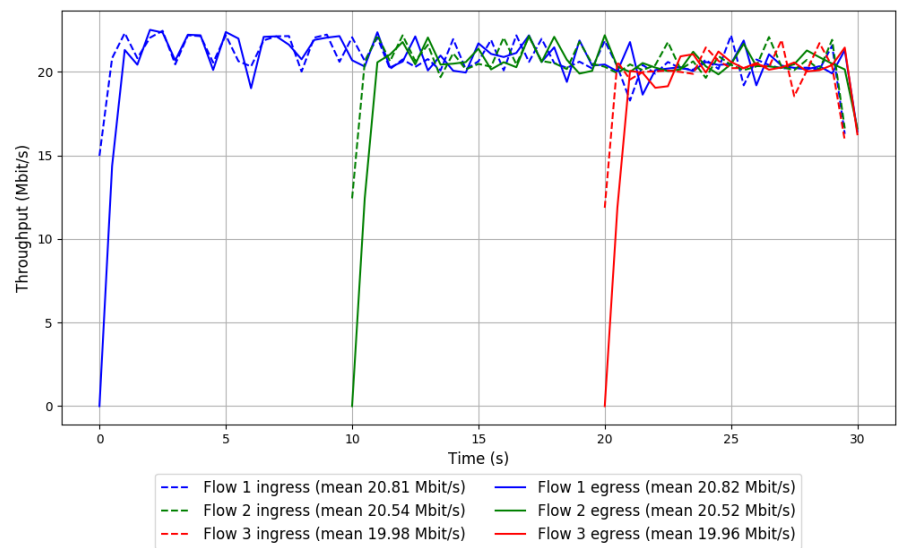


Run 7: Statistics of Sprout

Start at: 2018-06-06 04:43:38
End at: 2018-06-06 04:44:08
Local clock offset: -3.176 ms
Remote clock offset: -10.443 ms

Below is generated by plot.py at 2018-06-06 06:17:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.05 Mbit/s
95th percentile per-packet one-way delay: 20.002 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 20.82 Mbit/s
95th percentile per-packet one-way delay: 19.265 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 20.52 Mbit/s
95th percentile per-packet one-way delay: 20.213 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 19.96 Mbit/s
95th percentile per-packet one-way delay: 21.532 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

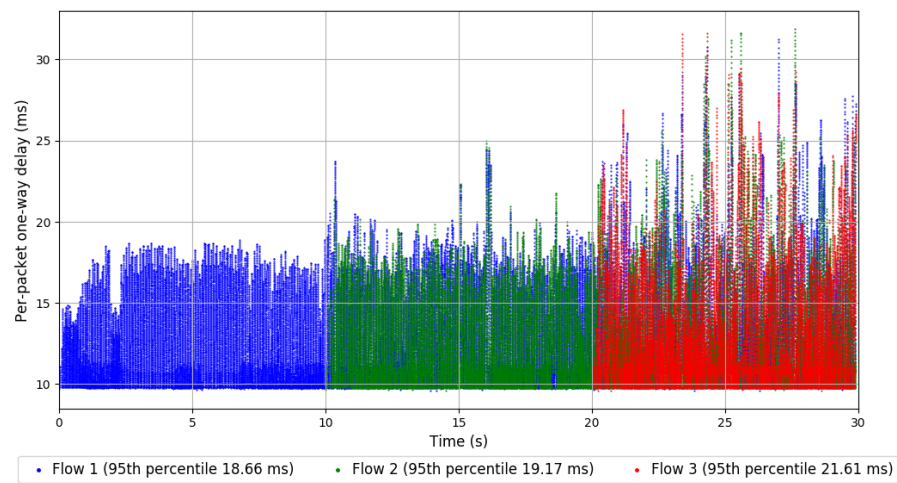
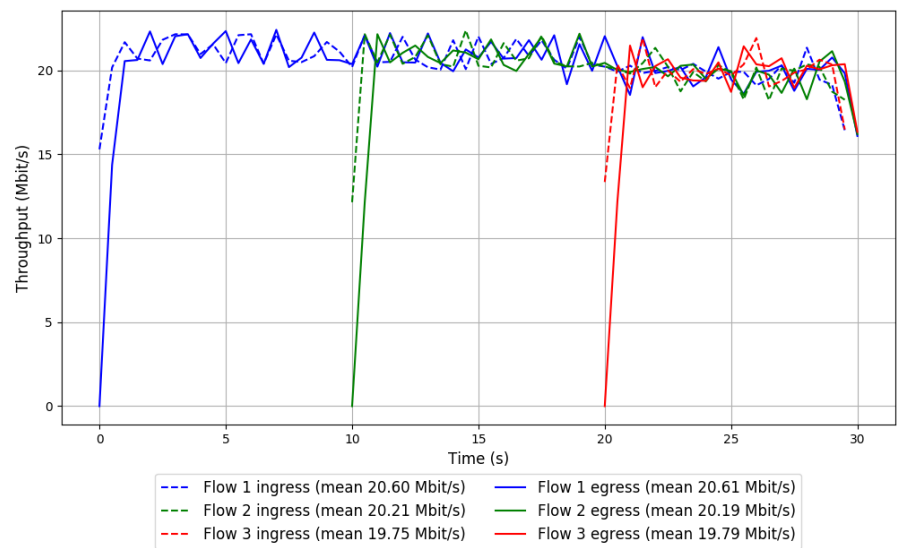


Run 8: Statistics of Sprout

Start at: 2018-06-06 05:02:44
End at: 2018-06-06 05:03:14
Local clock offset: -4.537 ms
Remote clock offset: -10.333 ms

Below is generated by plot.py at 2018-06-06 06:17:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 19.370 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 20.61 Mbit/s
95th percentile per-packet one-way delay: 18.655 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 20.19 Mbit/s
95th percentile per-packet one-way delay: 19.167 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 19.79 Mbit/s
95th percentile per-packet one-way delay: 21.605 ms
Loss rate: 0.12%

Run 8: Report of Sprout — Data Link

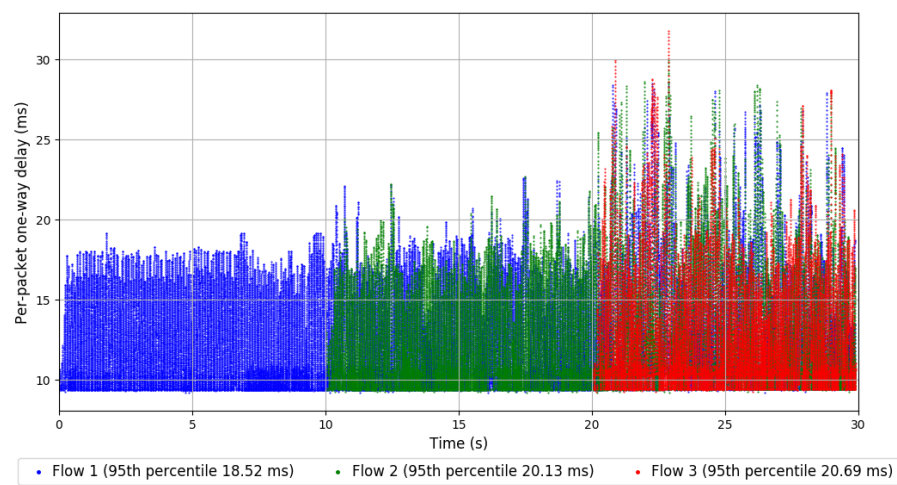
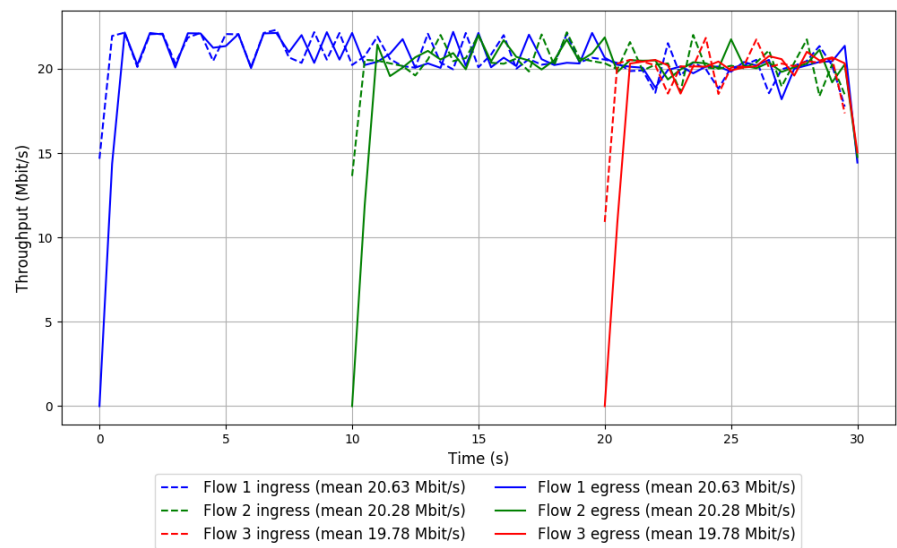


Run 9: Statistics of Sprout

Start at: 2018-06-06 05:21:52
End at: 2018-06-06 05:22:22
Local clock offset: -6.27 ms
Remote clock offset: -10.287 ms

Below is generated by plot.py at 2018-06-06 06:17:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.64 Mbit/s
95th percentile per-packet one-way delay: 19.477 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 20.63 Mbit/s
95th percentile per-packet one-way delay: 18.520 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 20.28 Mbit/s
95th percentile per-packet one-way delay: 20.129 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 19.78 Mbit/s
95th percentile per-packet one-way delay: 20.693 ms
Loss rate: 0.67%

Run 9: Report of Sprout — Data Link

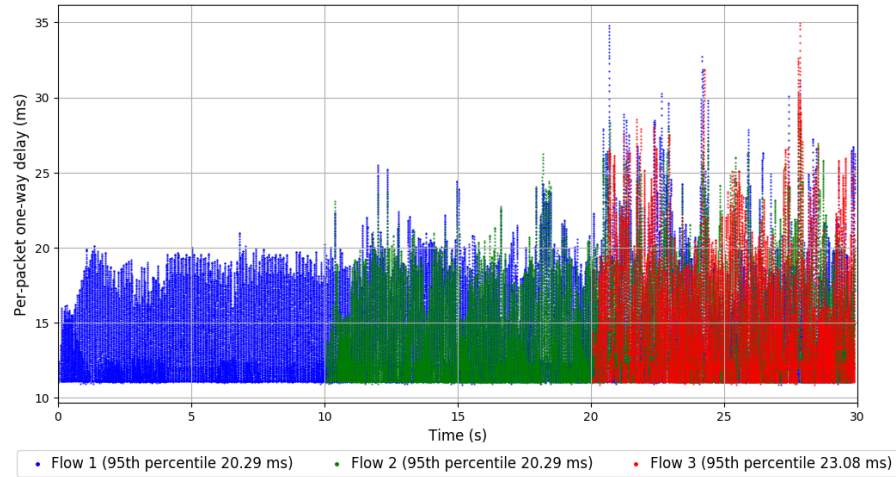
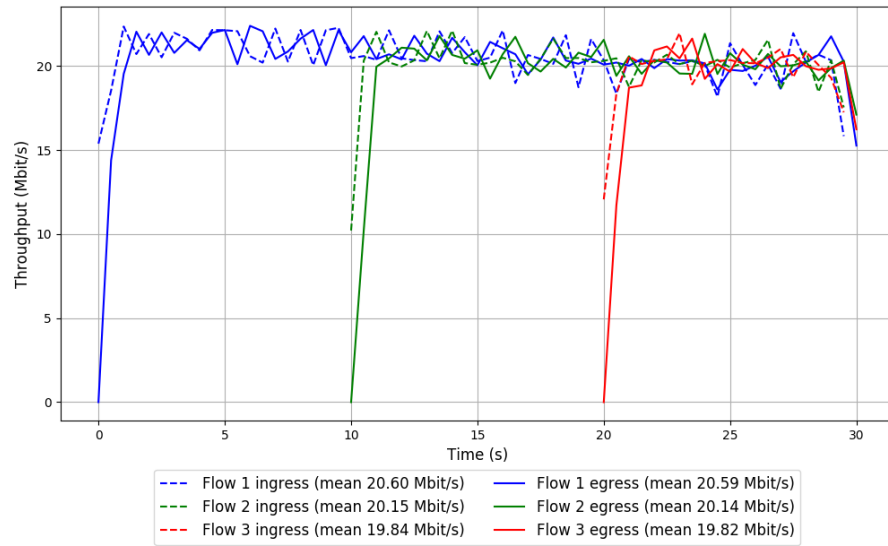


Run 10: Statistics of Sprout

Start at: 2018-06-06 05:41:10
End at: 2018-06-06 05:41:40
Local clock offset: -3.251 ms
Remote clock offset: -8.826 ms

Below is generated by plot.py at 2018-06-06 06:17:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 20.895 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 20.59 Mbit/s
95th percentile per-packet one-way delay: 20.288 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 20.14 Mbit/s
95th percentile per-packet one-way delay: 20.294 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 19.82 Mbit/s
95th percentile per-packet one-way delay: 23.081 ms
Loss rate: 0.35%

Run 10: Report of Sprout — Data Link

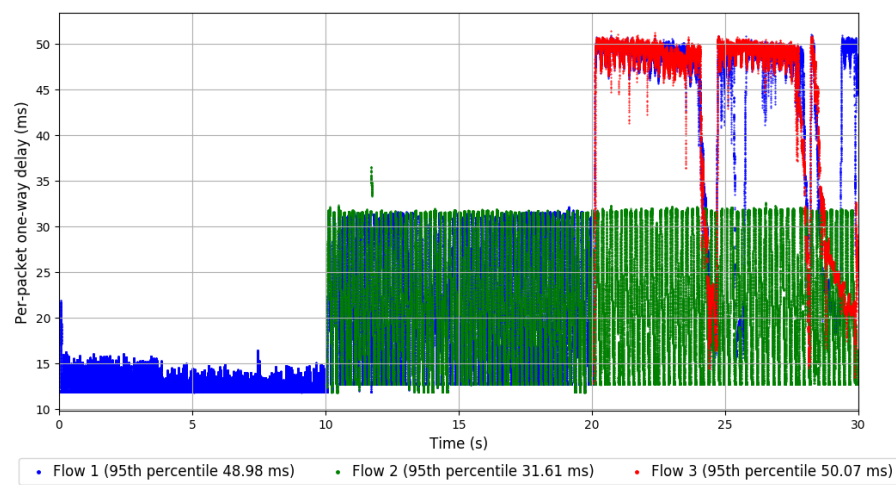
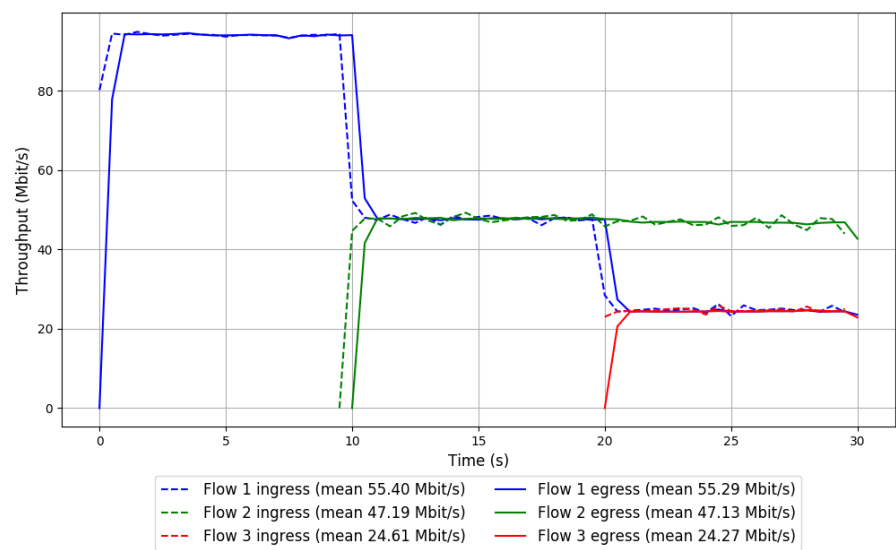


Run 1: Statistics of TaoVA-100x

Start at: 2018-06-06 02:51:43
End at: 2018-06-06 02:52:13
Local clock offset: -3.473 ms
Remote clock offset: -3.628 ms

Below is generated by plot.py at 2018-06-06 06:19:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 49.240 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 55.29 Mbit/s
95th percentile per-packet one-way delay: 48.978 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 47.13 Mbit/s
95th percentile per-packet one-way delay: 31.611 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 50.069 ms
Loss rate: 1.85%

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

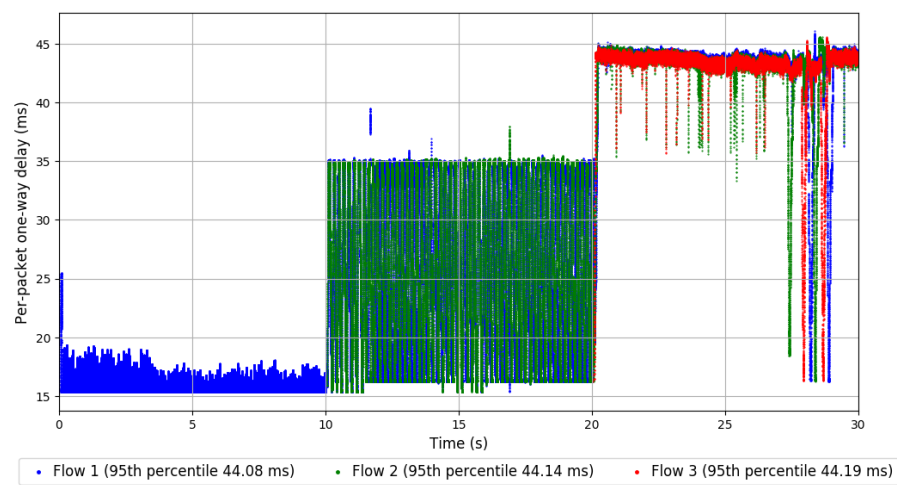
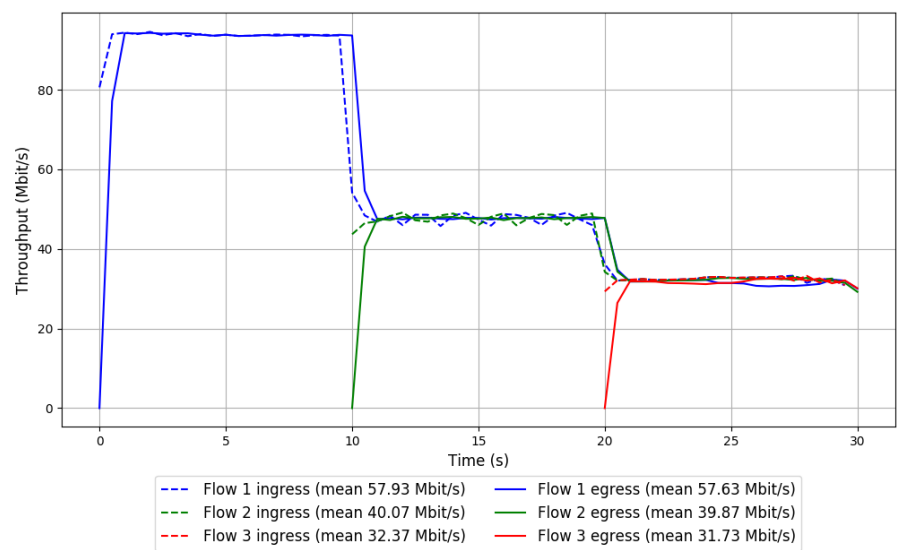


Run 2: Statistics of TaoVA-100x

Start at: 2018-06-06 03:10:22
End at: 2018-06-06 03:10:52
Local clock offset: -0.329 ms
Remote clock offset: -1.372 ms

Below is generated by plot.py at 2018-06-06 06:19:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 44.123 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 57.63 Mbit/s
95th percentile per-packet one-way delay: 44.082 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 39.87 Mbit/s
95th percentile per-packet one-way delay: 44.140 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 31.73 Mbit/s
95th percentile per-packet one-way delay: 44.189 ms
Loss rate: 2.36%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-06 03:29:20

End at: 2018-06-06 03:29:50

Local clock offset: 0.501 ms

Remote clock offset: 0.291 ms

Below is generated by plot.py at 2018-06-06 06:19:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.47 Mbit/s

95th percentile per-packet one-way delay: 44.367 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 57.54 Mbit/s

95th percentile per-packet one-way delay: 43.953 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 39.74 Mbit/s

95th percentile per-packet one-way delay: 44.398 ms

Loss rate: 1.93%

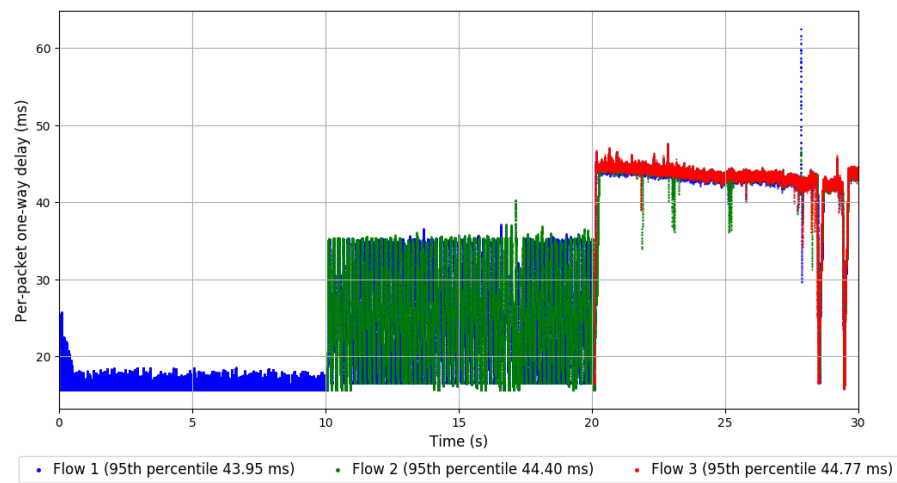
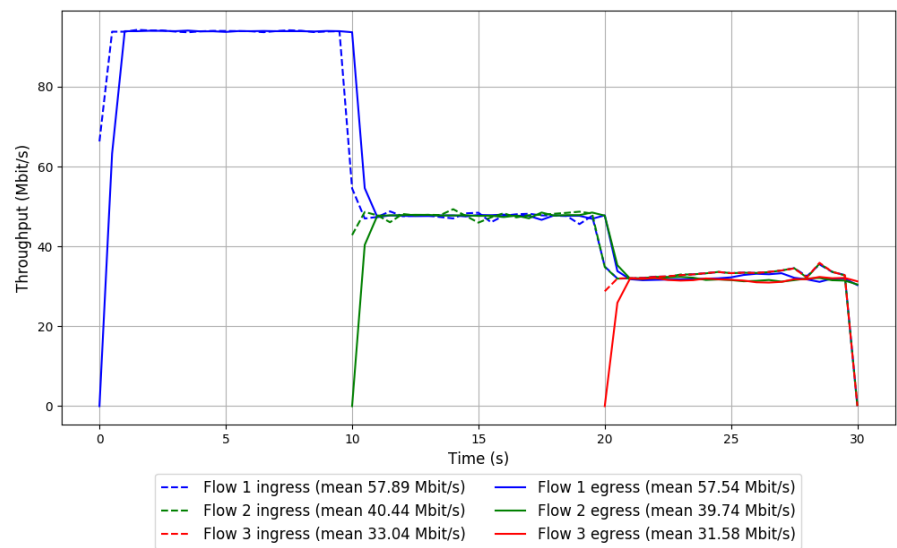
-- Flow 3:

Average throughput: 31.58 Mbit/s

95th percentile per-packet one-way delay: 44.771 ms

Loss rate: 4.78%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-06-06 03:48:12

End at: 2018-06-06 03:48:42

Local clock offset: 0.388 ms

Remote clock offset: 2.372 ms

Below is generated by plot.py at 2018-06-06 06:19:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.65 Mbit/s

95th percentile per-packet one-way delay: 53.796 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 62.45 Mbit/s

95th percentile per-packet one-way delay: 35.775 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 36.14 Mbit/s

95th percentile per-packet one-way delay: 54.217 ms

Loss rate: 0.71%

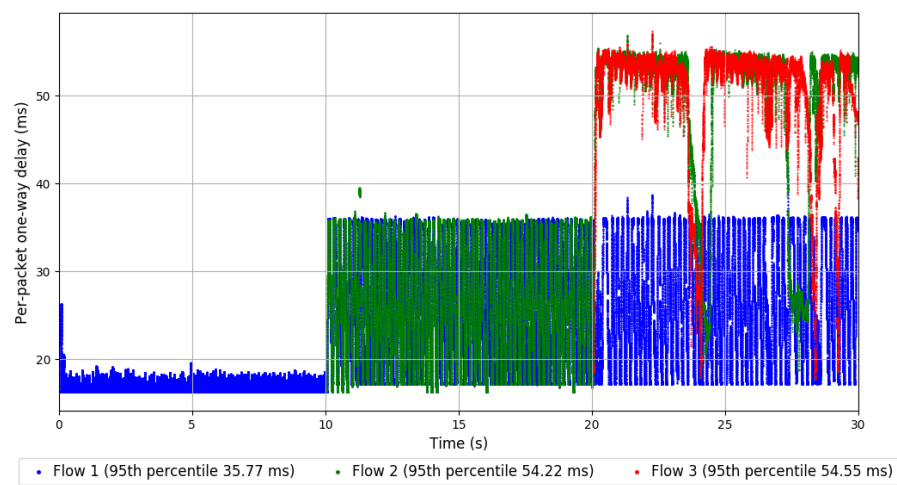
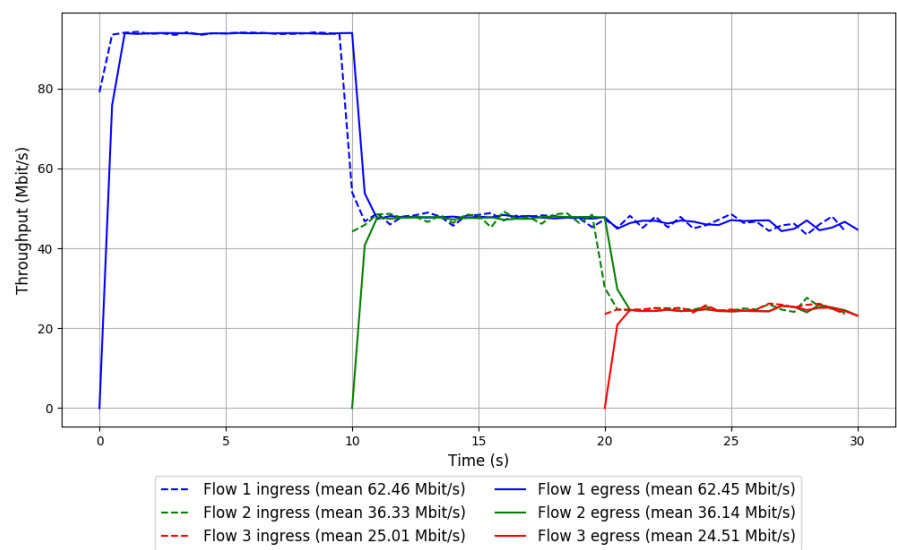
-- Flow 3:

Average throughput: 24.51 Mbit/s

95th percentile per-packet one-way delay: 54.554 ms

Loss rate: 2.26%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-06 04:06:50

End at: 2018-06-06 04:07:20

Local clock offset: -2.947 ms

Remote clock offset: 4.134 ms

Below is generated by plot.py at 2018-06-06 06:19:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.48 Mbit/s

95th percentile per-packet one-way delay: 48.394 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 55.04 Mbit/s

95th percentile per-packet one-way delay: 48.320 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 35.96 Mbit/s

95th percentile per-packet one-way delay: 48.753 ms

Loss rate: 0.72%

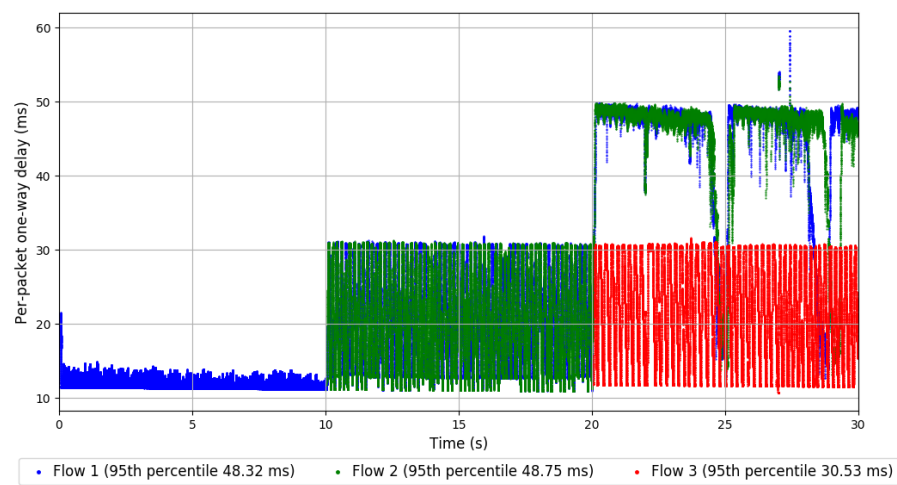
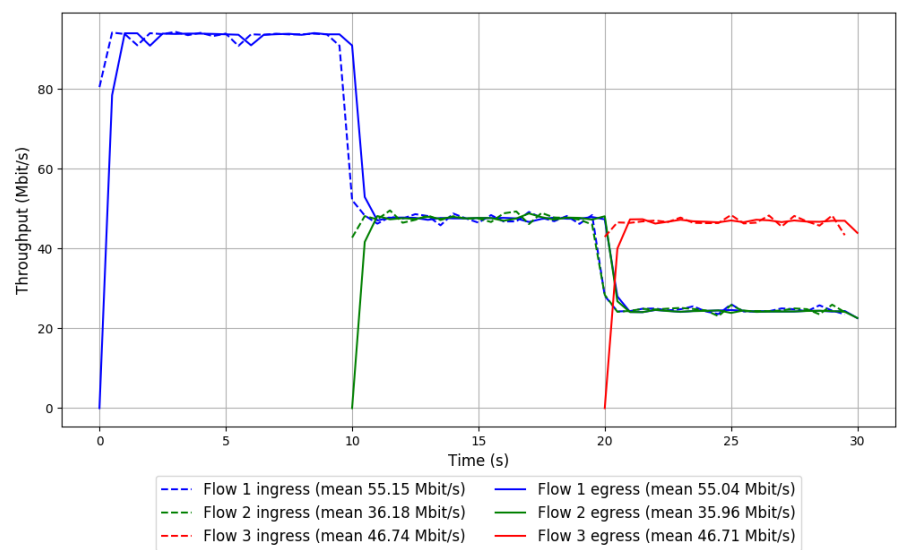
-- Flow 3:

Average throughput: 46.71 Mbit/s

95th percentile per-packet one-way delay: 30.526 ms

Loss rate: 0.30%

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

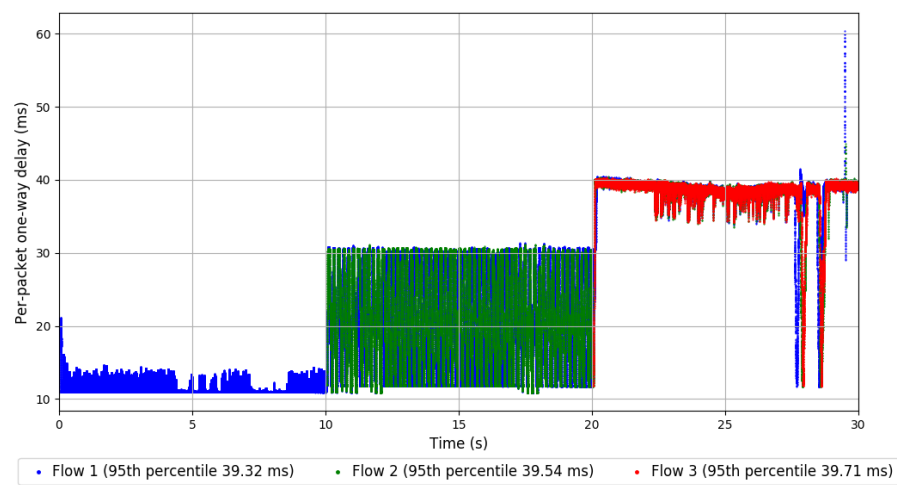
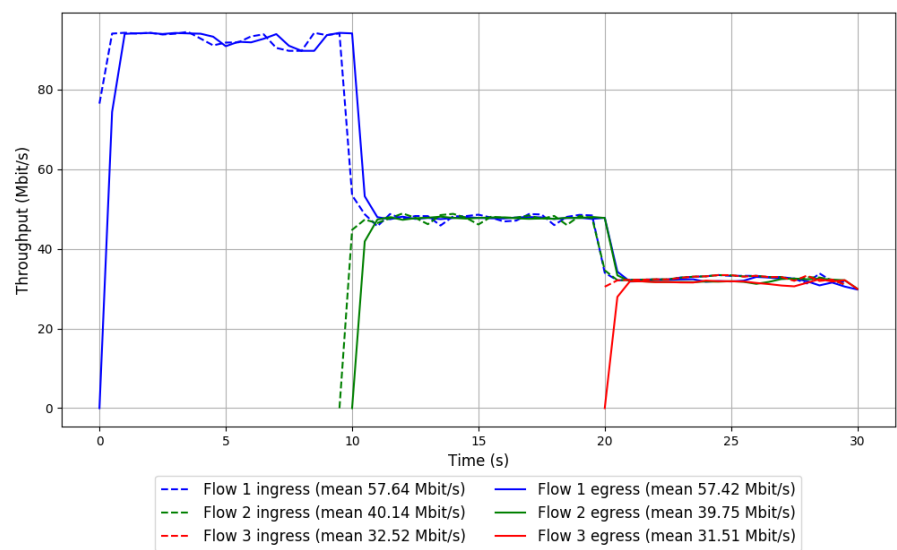


Run 6: Statistics of TaoVA-100x

Start at: 2018-06-06 04:25:58
End at: 2018-06-06 04:26:28
Local clock offset: -1.771 ms
Remote clock offset: -8.461 ms

Below is generated by plot.py at 2018-06-06 06:19:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 39.500 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 57.42 Mbit/s
95th percentile per-packet one-way delay: 39.322 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 39.75 Mbit/s
95th percentile per-packet one-way delay: 39.538 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 39.708 ms
Loss rate: 3.48%

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

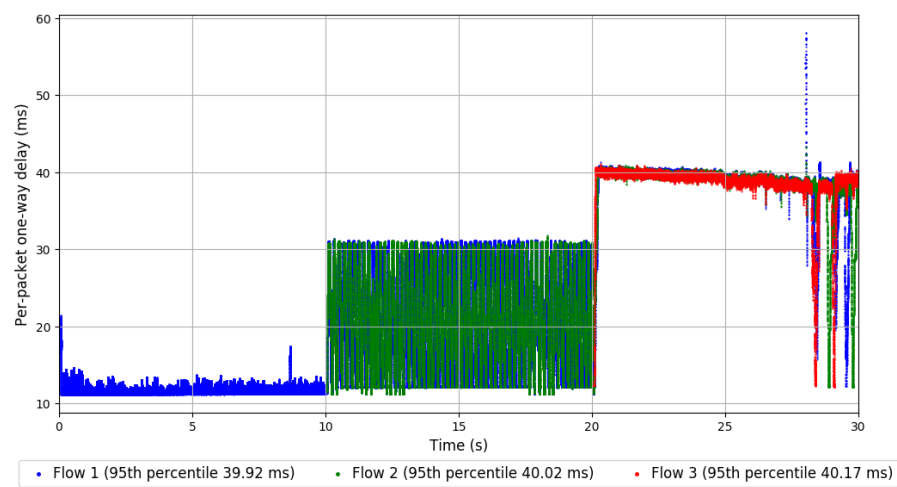
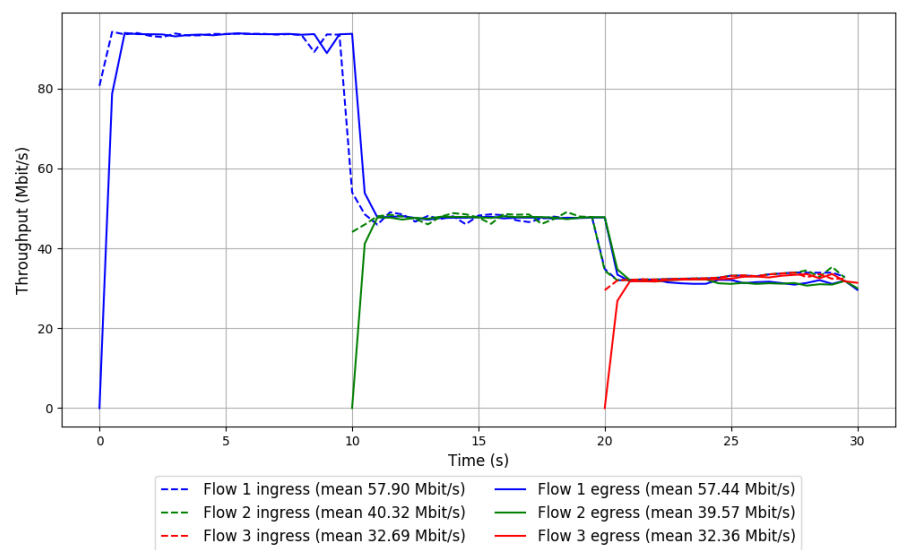


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-06 04:44:47
End at: 2018-06-06 04:45:17
Local clock offset: -3.228 ms
Remote clock offset: -11.236 ms

Below is generated by plot.py at 2018-06-06 06:19:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.54 Mbit/s
95th percentile per-packet one-way delay: 40.009 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 57.44 Mbit/s
95th percentile per-packet one-way delay: 39.924 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 40.015 ms
Loss rate: 2.00%
-- Flow 3:
Average throughput: 32.36 Mbit/s
95th percentile per-packet one-way delay: 40.166 ms
Loss rate: 1.31%

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

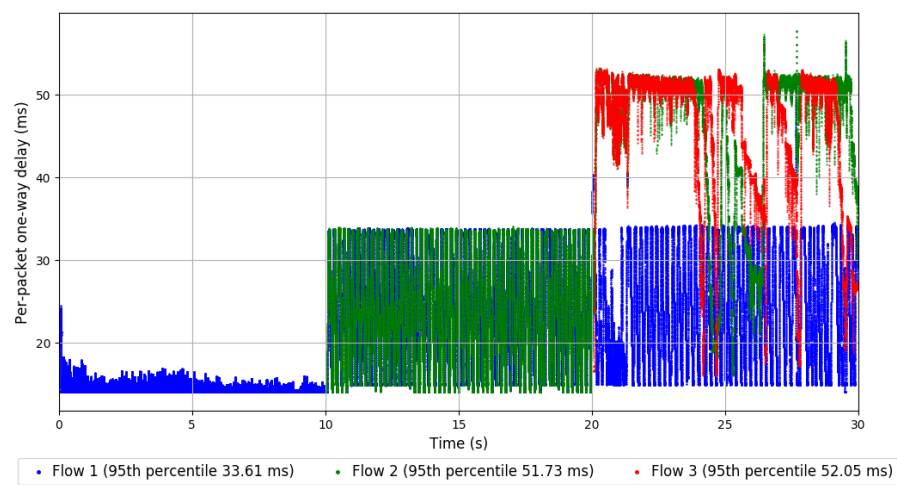
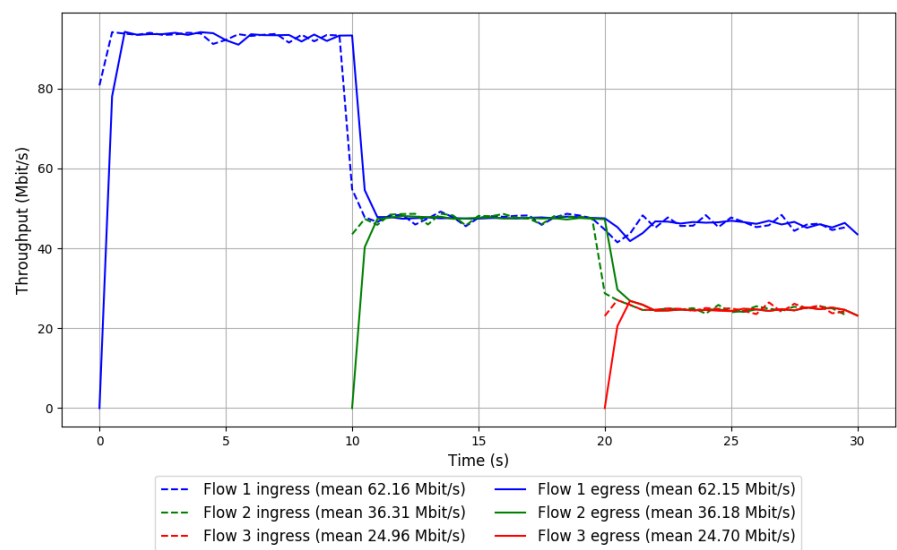


Run 8: Statistics of TaoVA-100x

Start at: 2018-06-06 05:03:54
End at: 2018-06-06 05:04:24
Local clock offset: -0.762 ms
Remote clock offset: -10.848 ms

Below is generated by plot.py at 2018-06-06 06:19:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.44 Mbit/s
95th percentile per-packet one-way delay: 51.241 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 62.15 Mbit/s
95th percentile per-packet one-way delay: 33.610 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.18 Mbit/s
95th percentile per-packet one-way delay: 51.726 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 52.047 ms
Loss rate: 1.35%

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

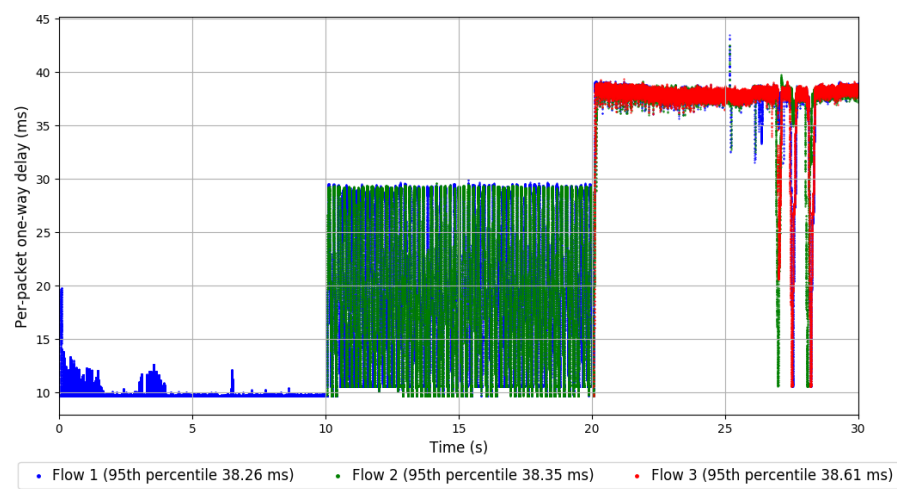
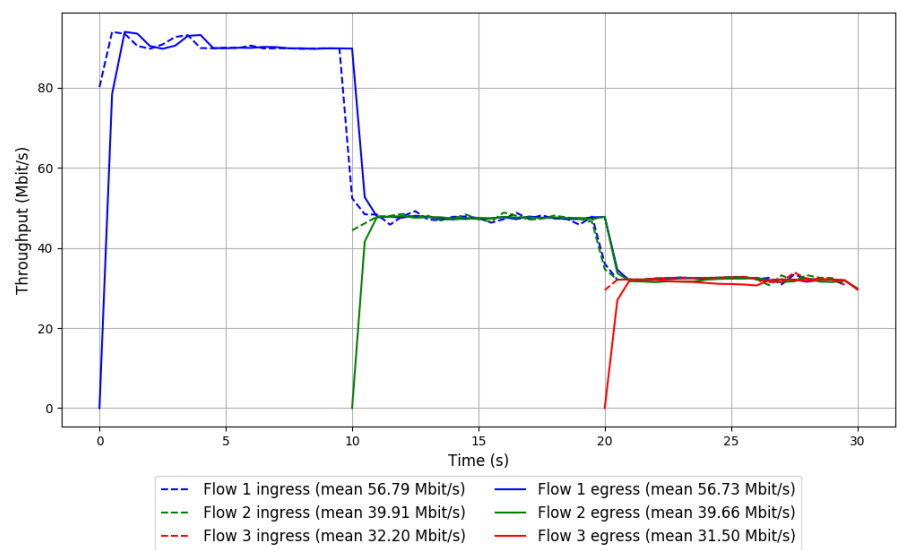


Run 9: Statistics of TaoVA-100x

Start at: 2018-06-06 05:23:01
End at: 2018-06-06 05:23:31
Local clock offset: -5.724 ms
Remote clock offset: -9.922 ms

Below is generated by plot.py at 2018-06-06 06:21:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.60 Mbit/s
95th percentile per-packet one-way delay: 38.389 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 56.73 Mbit/s
95th percentile per-packet one-way delay: 38.262 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 39.66 Mbit/s
95th percentile per-packet one-way delay: 38.353 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 38.613 ms
Loss rate: 2.57%

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

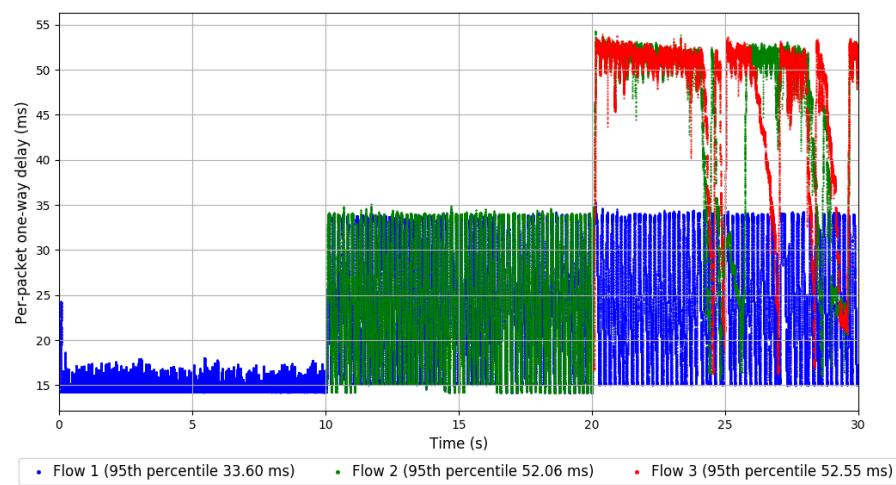
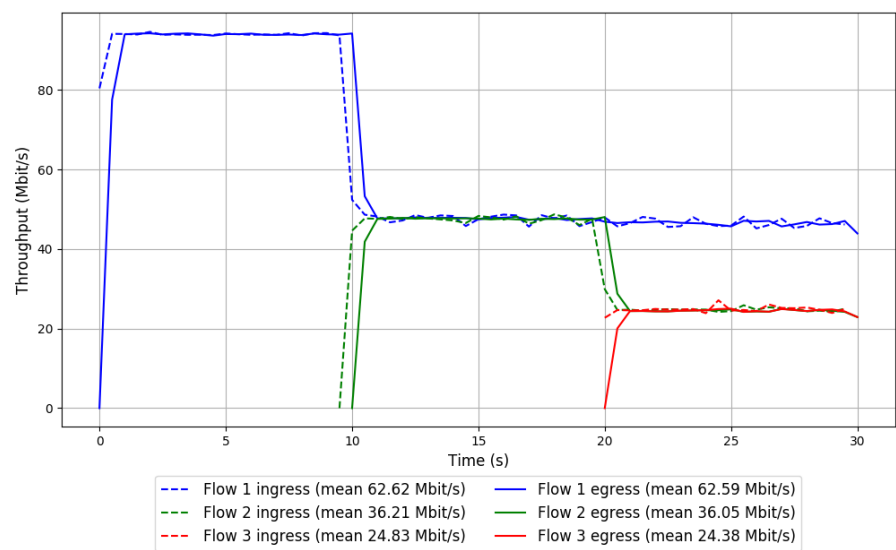


Run 10: Statistics of TaoVA-100x

Start at: 2018-06-06 05:42:20
End at: 2018-06-06 05:42:50
Local clock offset: -1.1 ms
Remote clock offset: -9.882 ms

Below is generated by plot.py at 2018-06-06 06:21:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.70 Mbit/s
95th percentile per-packet one-way delay: 51.589 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 62.59 Mbit/s
95th percentile per-packet one-way delay: 33.604 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 36.05 Mbit/s
95th percentile per-packet one-way delay: 52.061 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 52.554 ms
Loss rate: 2.25%

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

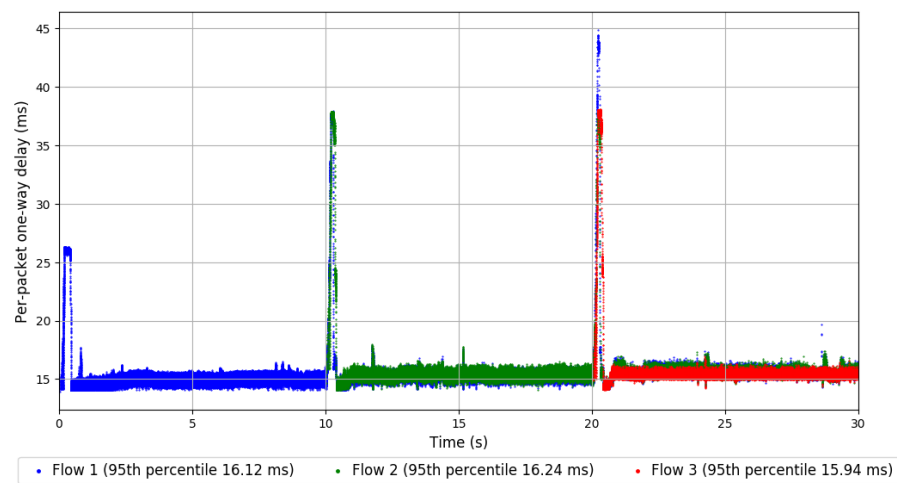
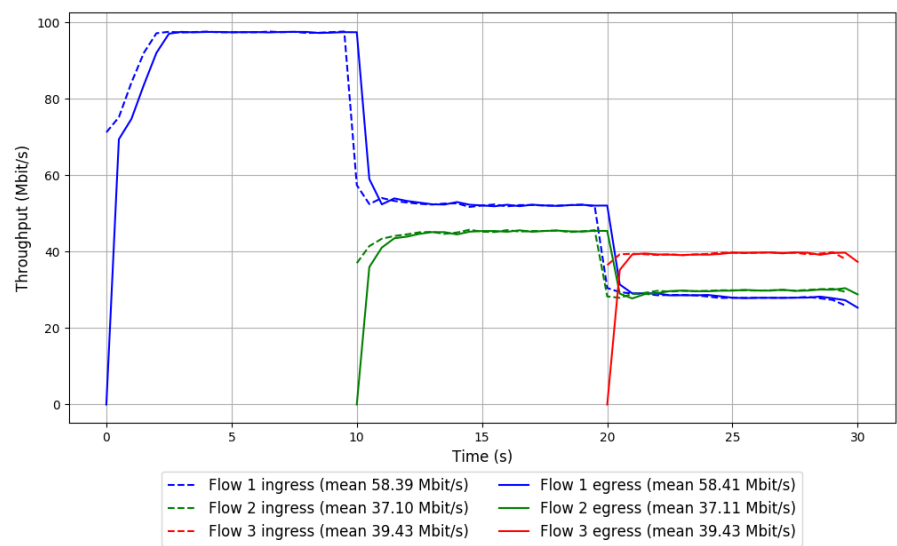


Run 1: Statistics of TCP Vegas

Start at: 2018-06-06 02:52:57
End at: 2018-06-06 02:53:27
Local clock offset: -2.429 ms
Remote clock offset: -4.838 ms

Below is generated by plot.py at 2018-06-06 06:21:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.20 Mbit/s
95th percentile per-packet one-way delay: 16.157 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 58.41 Mbit/s
95th percentile per-packet one-way delay: 16.118 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 37.11 Mbit/s
95th percentile per-packet one-way delay: 16.239 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 39.43 Mbit/s
95th percentile per-packet one-way delay: 15.944 ms
Loss rate: 0.27%

Run 1: Report of TCP Vegas — Data Link

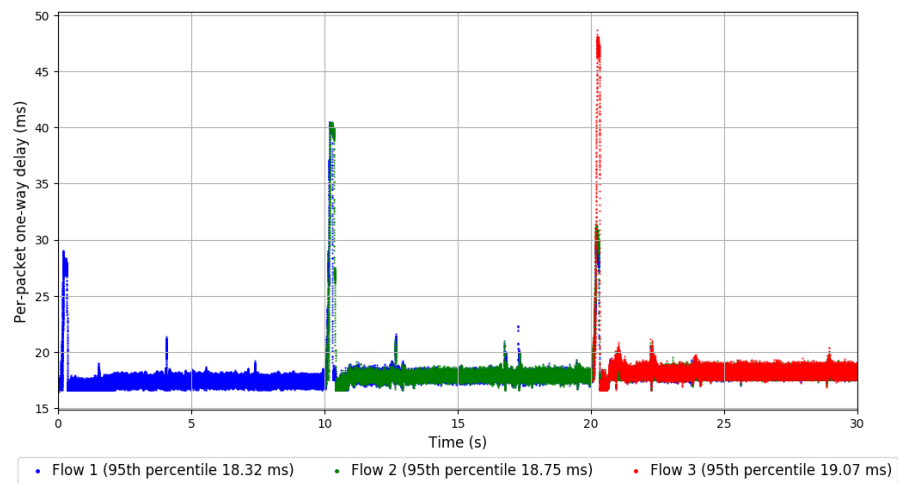
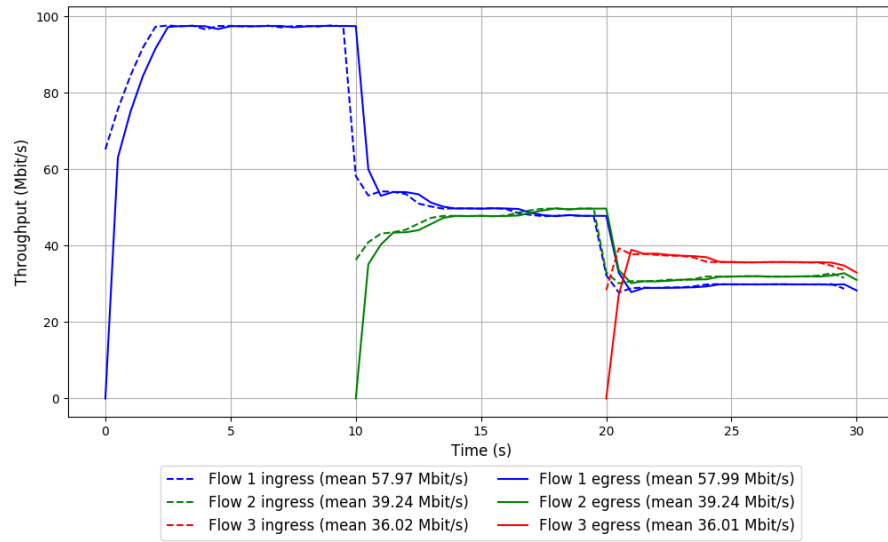


Run 2: Statistics of TCP Vegas

Start at: 2018-06-06 03:11:41
End at: 2018-06-06 03:12:11
Local clock offset: 1.104 ms
Remote clock offset: -1.102 ms

Below is generated by plot.py at 2018-06-06 06:21:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 18.717 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 57.99 Mbit/s
95th percentile per-packet one-way delay: 18.324 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.24 Mbit/s
95th percentile per-packet one-way delay: 18.745 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 19.065 ms
Loss rate: 0.26%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-06-06 03:30:36

End at: 2018-06-06 03:31:06

Local clock offset: -1.292 ms

Remote clock offset: 0.517 ms

Below is generated by plot.py at 2018-06-06 06:21:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 16.062 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 59.43 Mbit/s

95th percentile per-packet one-way delay: 16.118 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 41.49 Mbit/s

95th percentile per-packet one-way delay: 16.034 ms

Loss rate: 0.11%

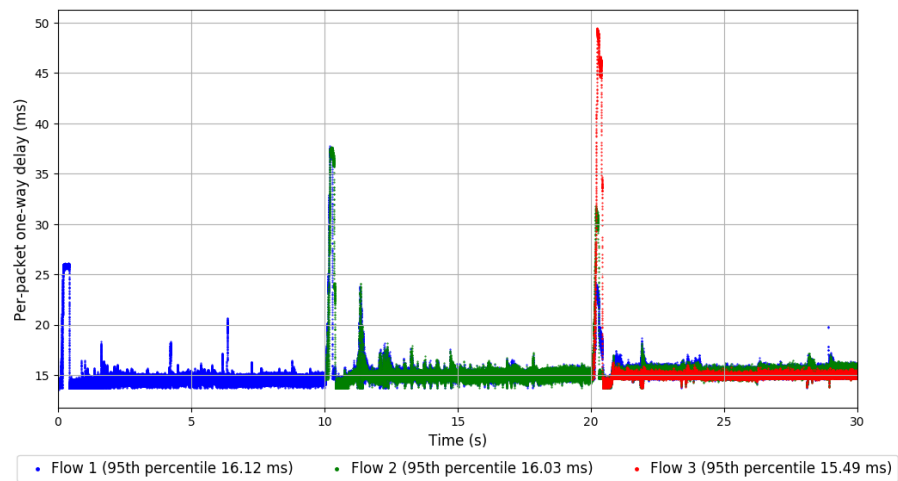
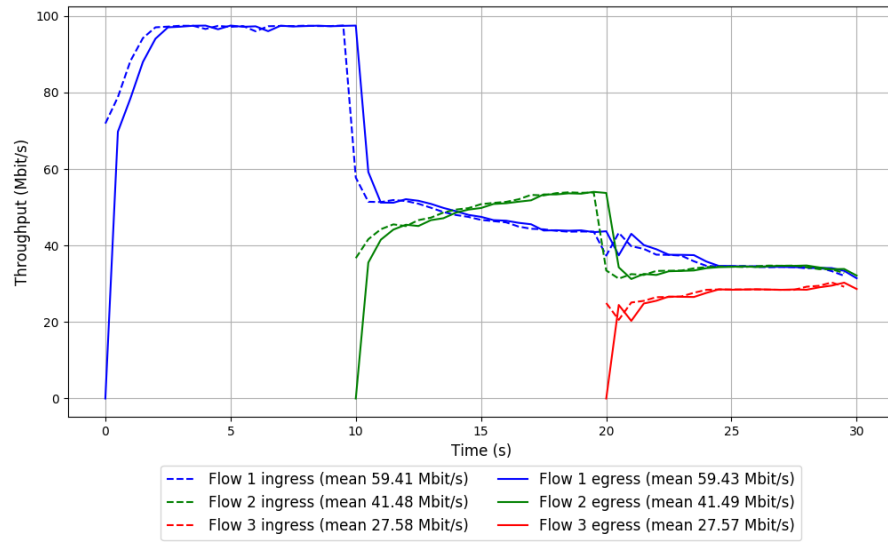
-- Flow 3:

Average throughput: 27.57 Mbit/s

95th percentile per-packet one-way delay: 15.492 ms

Loss rate: 0.29%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-06-06 03:49:25

End at: 2018-06-06 03:49:55

Local clock offset: -0.842 ms

Remote clock offset: 2.911 ms

Below is generated by plot.py at 2018-06-06 06:21:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.59 Mbit/s

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

Loss rate: 0.09%

-- Flow 1:

Average throughput: 56.92 Mbit/s

95th percentile per-packet one-way delay: 16.959 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 39.74 Mbit/s

95th percentile per-packet one-way delay: 17.074 ms

Loss rate: 0.11%

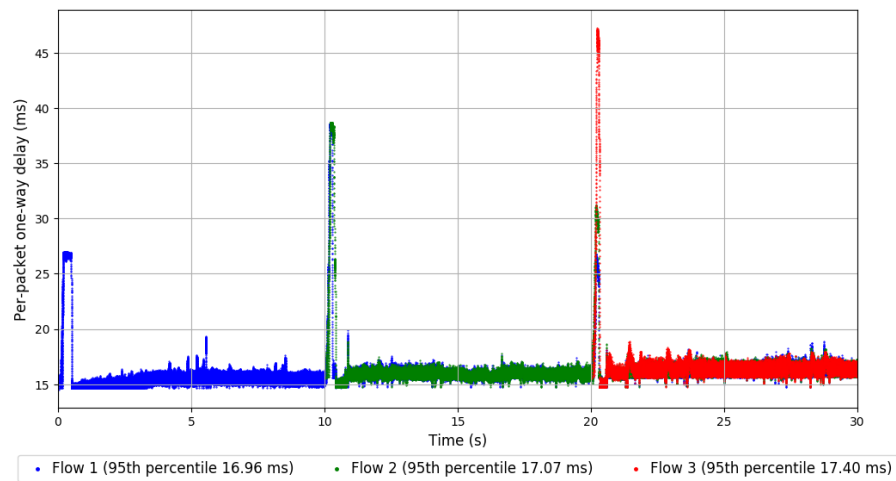
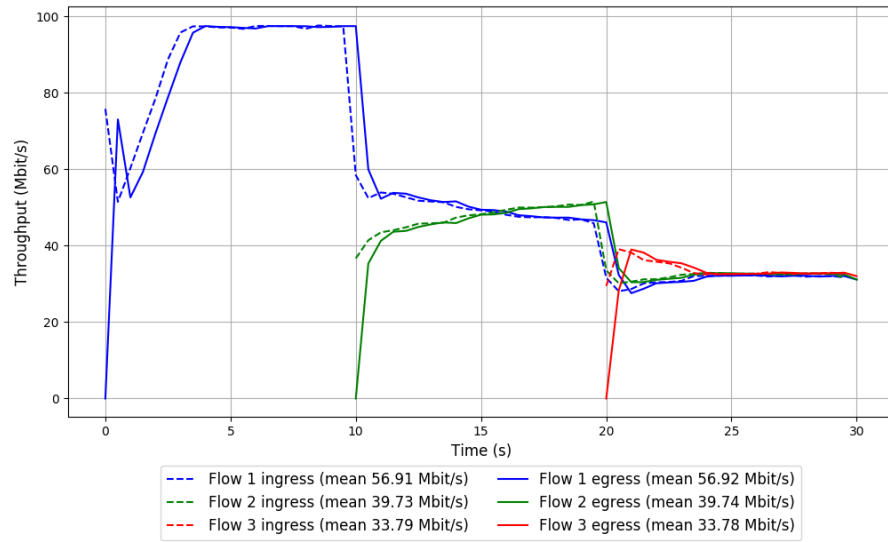
-- Flow 3:

Average throughput: 33.78 Mbit/s

95th percentile per-packet one-way delay: 17.398 ms

Loss rate: 0.26%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-06-06 04:08:10

End at: 2018-06-06 04:08:40

Local clock offset: 1.811 ms

Remote clock offset: 1.625 ms

Below is generated by plot.py at 2018-06-06 06:21:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 18.331 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 57.82 Mbit/s

95th percentile per-packet one-way delay: 18.075 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 40.21 Mbit/s

95th percentile per-packet one-way delay: 18.320 ms

Loss rate: 0.12%

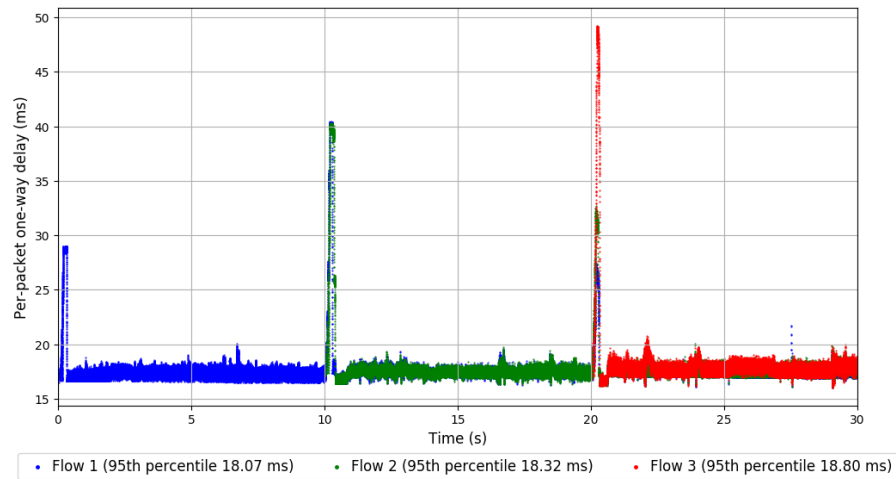
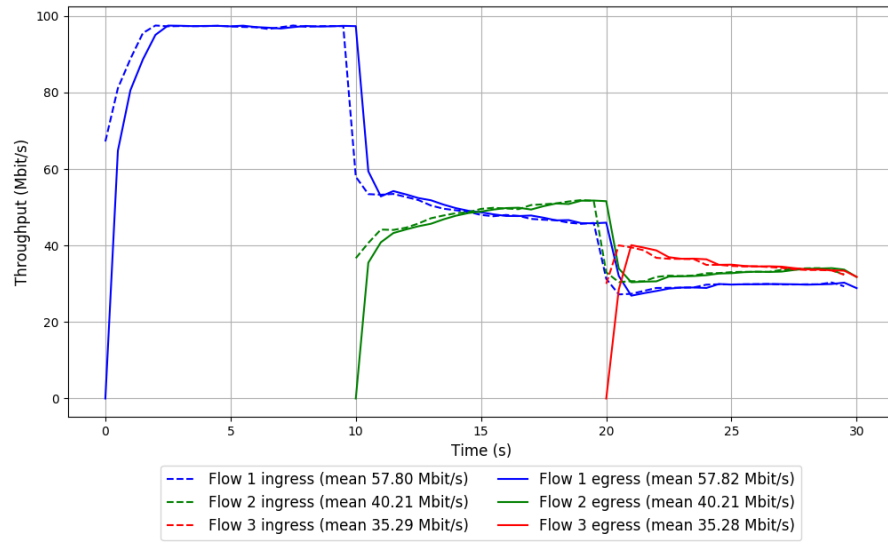
-- Flow 3:

Average throughput: 35.28 Mbit/s

95th percentile per-packet one-way delay: 18.802 ms

Loss rate: 0.26%

Run 5: Report of TCP Vegas — Data Link

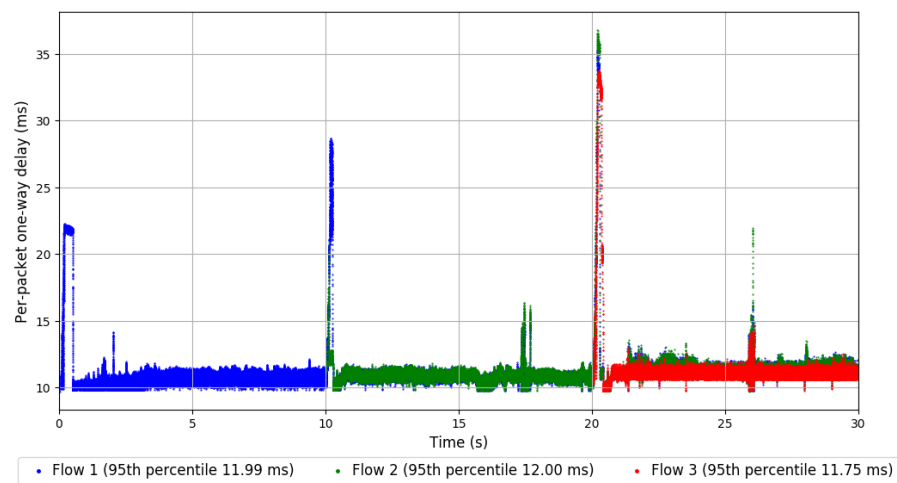
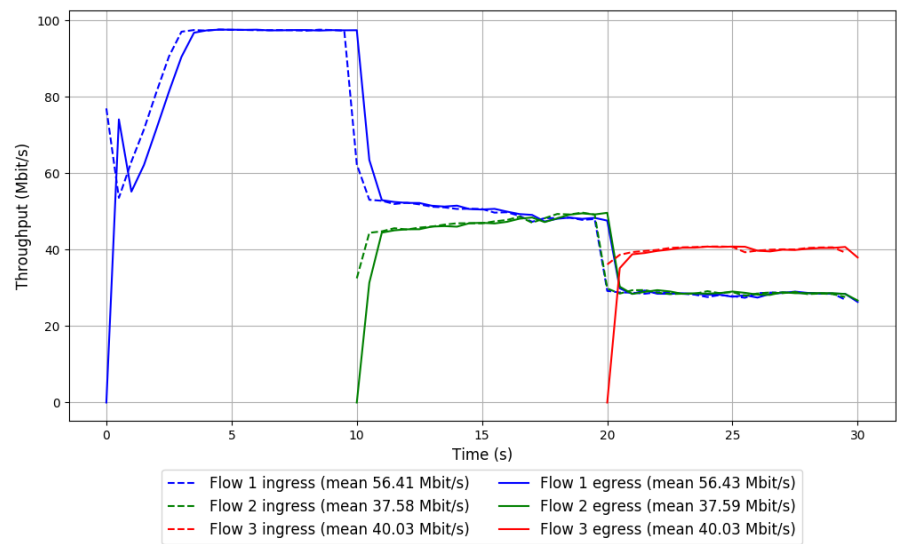


Run 6: Statistics of TCP Vegas

Start at: 2018-06-06 04:27:13
End at: 2018-06-06 04:27:43
Local clock offset: -4.051 ms
Remote clock offset: -9.982 ms

```
# Below is generated by plot.py at 2018-06-06 06:21:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 11.991 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 11.993 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 37.59 Mbit/s
95th percentile per-packet one-way delay: 12.003 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 40.03 Mbit/s
95th percentile per-packet one-way delay: 11.752 ms
Loss rate: 0.27%
```

Run 6: Report of TCP Vegas — Data Link

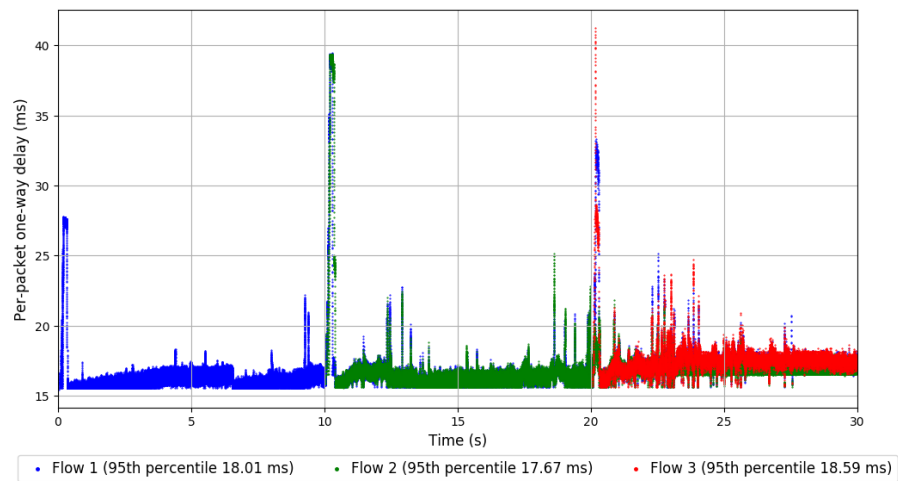
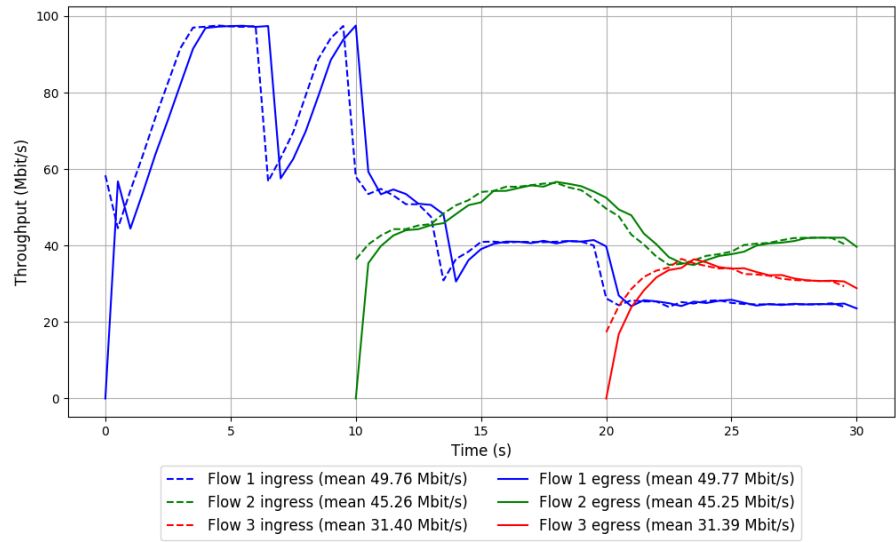


Run 7: Statistics of TCP Vegas

Start at: 2018-06-06 04:46:03
End at: 2018-06-06 04:46:33
Local clock offset: 1.947 ms
Remote clock offset: -10.164 ms

Below is generated by plot.py at 2018-06-06 06:21:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.32 Mbit/s
95th percentile per-packet one-way delay: 18.129 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 49.77 Mbit/s
95th percentile per-packet one-way delay: 18.007 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 45.25 Mbit/s
95th percentile per-packet one-way delay: 17.668 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 18.595 ms
Loss rate: 0.26%

Run 7: Report of TCP Vegas — Data Link

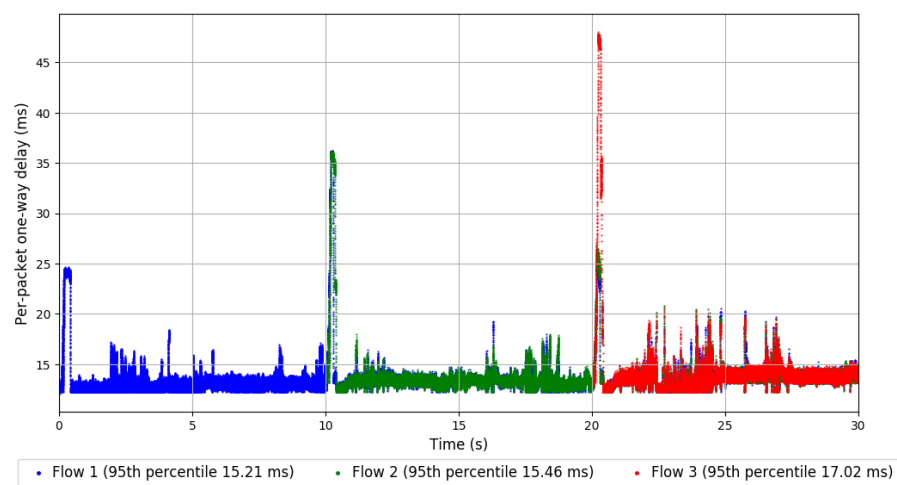
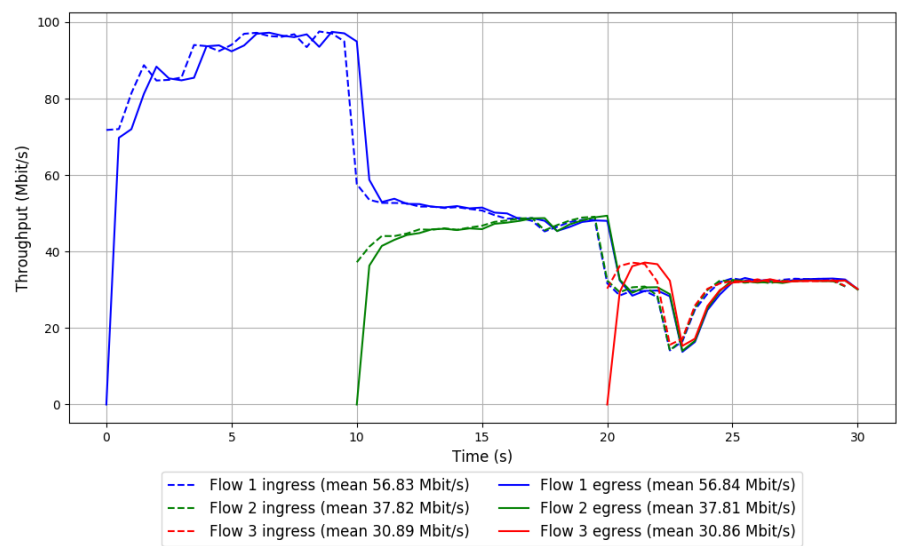


Run 8: Statistics of TCP Vegas

Start at: 2018-06-06 05:05:09
End at: 2018-06-06 05:05:39
Local clock offset: -2.933 ms
Remote clock offset: -11.178 ms

Below is generated by plot.py at 2018-06-06 06:21:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.25 Mbit/s
95th percentile per-packet one-way delay: 15.460 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.84 Mbit/s
95th percentile per-packet one-way delay: 15.206 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 37.81 Mbit/s
95th percentile per-packet one-way delay: 15.460 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 30.86 Mbit/s
95th percentile per-packet one-way delay: 17.015 ms
Loss rate: 0.34%

Run 8: Report of TCP Vegas — Data Link

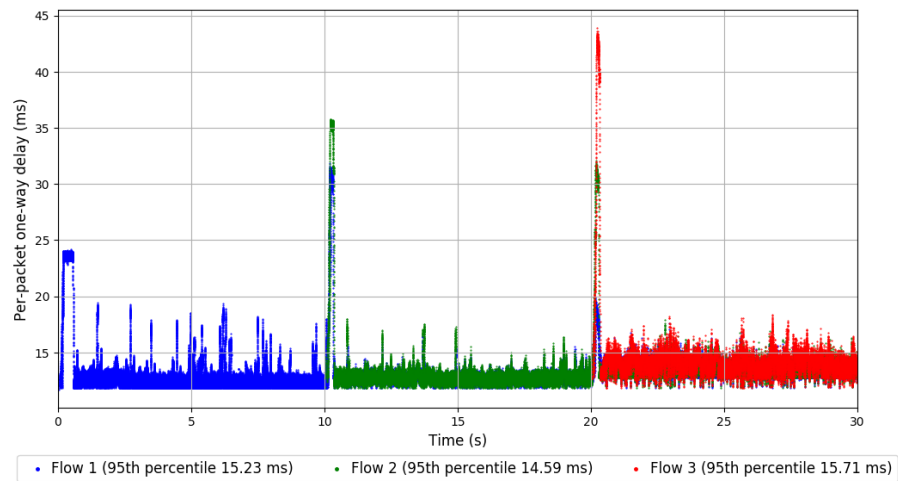
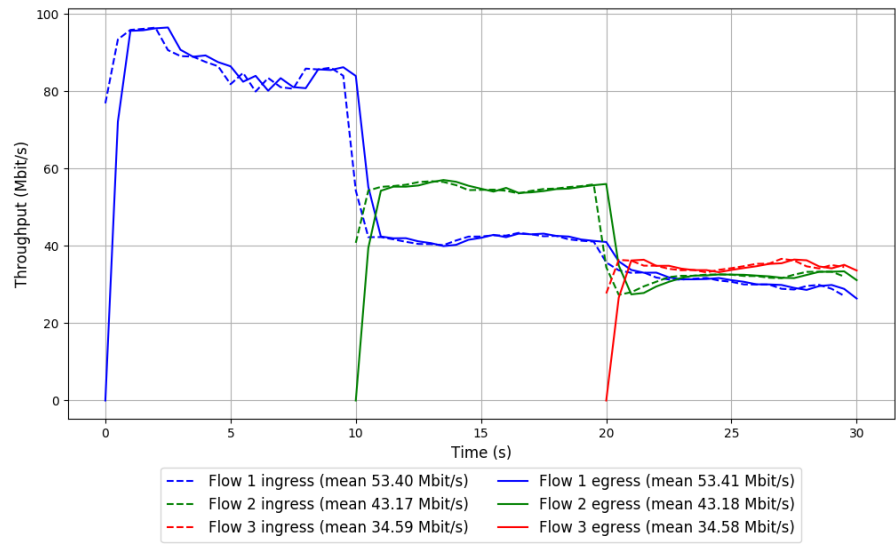


Run 9: Statistics of TCP Vegas

Start at: 2018-06-06 05:24:15
End at: 2018-06-06 05:24:45
Local clock offset: -3.906 ms
Remote clock offset: -10.188 ms

Below is generated by plot.py at 2018-06-06 06:22:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.65 Mbit/s
95th percentile per-packet one-way delay: 15.195 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 53.41 Mbit/s
95th percentile per-packet one-way delay: 15.233 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 43.18 Mbit/s
95th percentile per-packet one-way delay: 14.592 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 34.58 Mbit/s
95th percentile per-packet one-way delay: 15.714 ms
Loss rate: 0.27%

Run 9: Report of TCP Vegas — Data Link

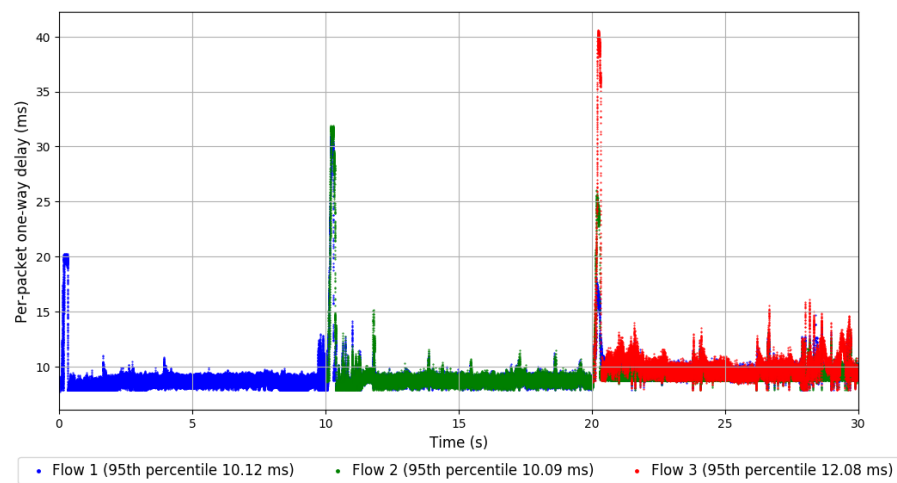
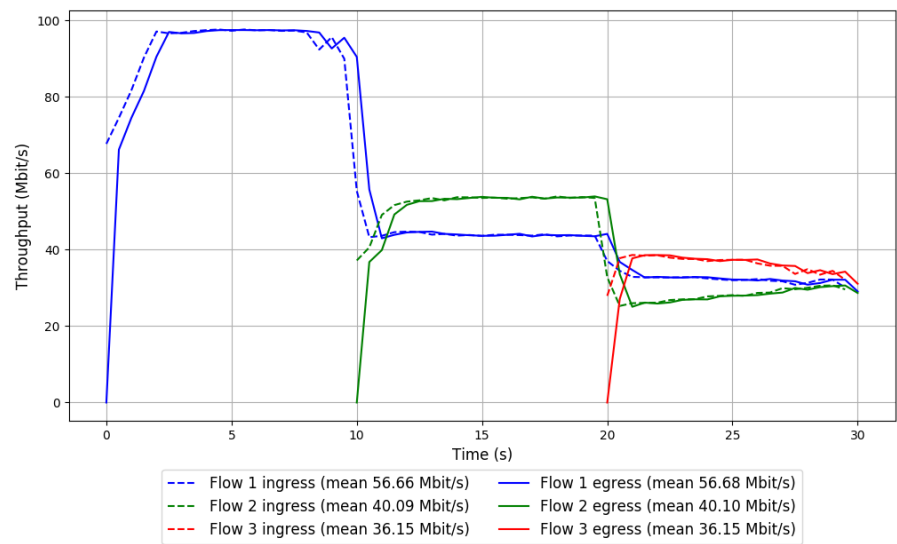


Run 10: Statistics of TCP Vegas

Start at: 2018-06-06 05:43:34
End at: 2018-06-06 05:44:04
Local clock offset: -5.381 ms
Remote clock offset: -7.847 ms

Below is generated by plot.py at 2018-06-06 06:22:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.37 Mbit/s
95th percentile per-packet one-way delay: 10.726 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 56.68 Mbit/s
95th percentile per-packet one-way delay: 10.120 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.10 Mbit/s
95th percentile per-packet one-way delay: 10.089 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 36.15 Mbit/s
95th percentile per-packet one-way delay: 12.079 ms
Loss rate: 0.25%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-06-06 03:01:08

End at: 2018-06-06 03:01:38

Local clock offset: -3.635 ms

Remote clock offset: -3.12 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.06 Mbit/s

95th percentile per-packet one-way delay: 36.586 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 57.21 Mbit/s

95th percentile per-packet one-way delay: 36.331 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 38.92 Mbit/s

95th percentile per-packet one-way delay: 36.733 ms

Loss rate: 0.27%

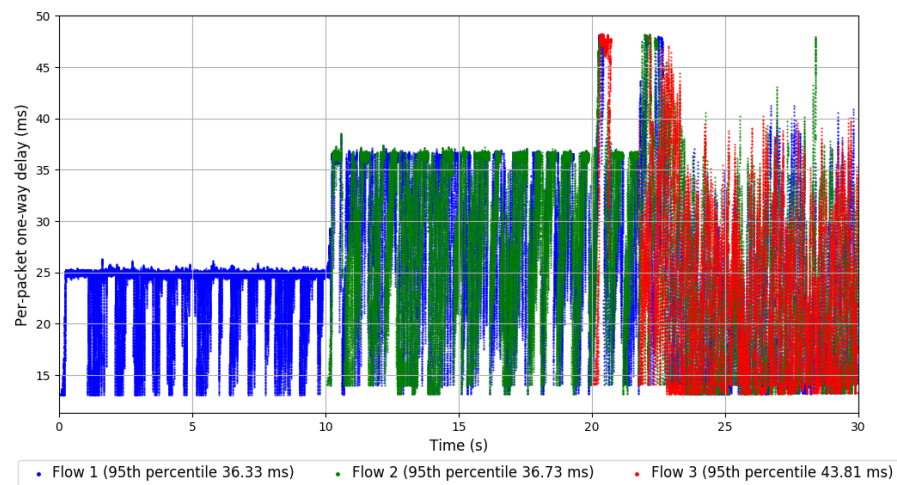
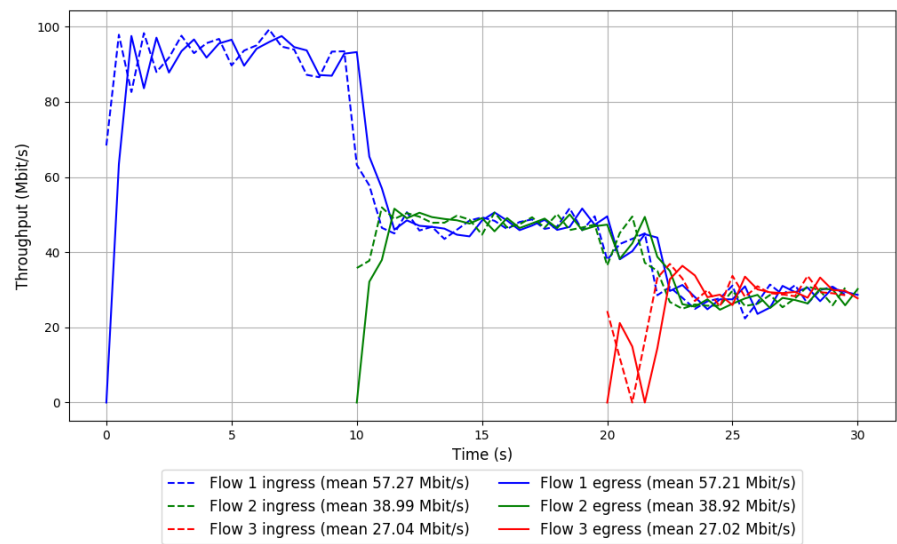
-- Flow 3:

Average throughput: 27.02 Mbit/s

95th percentile per-packet one-way delay: 43.808 ms

Loss rate: 0.29%

Run 1: Report of Verus — Data Link

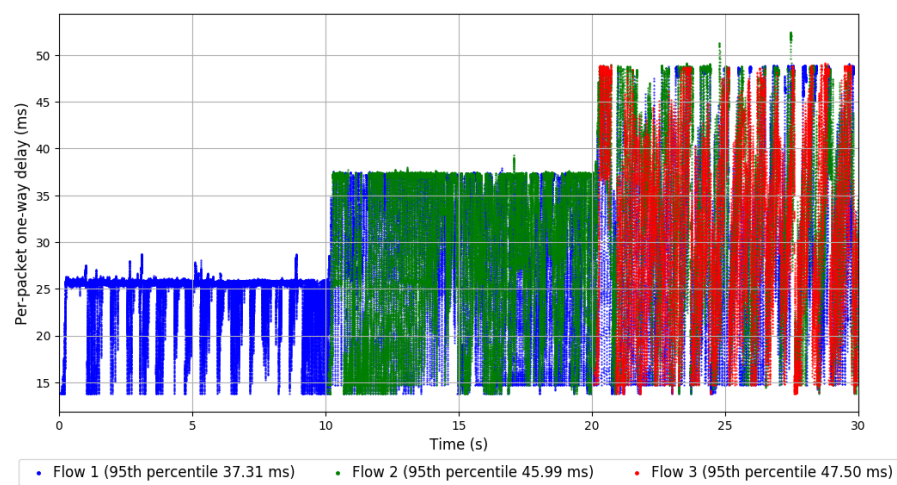
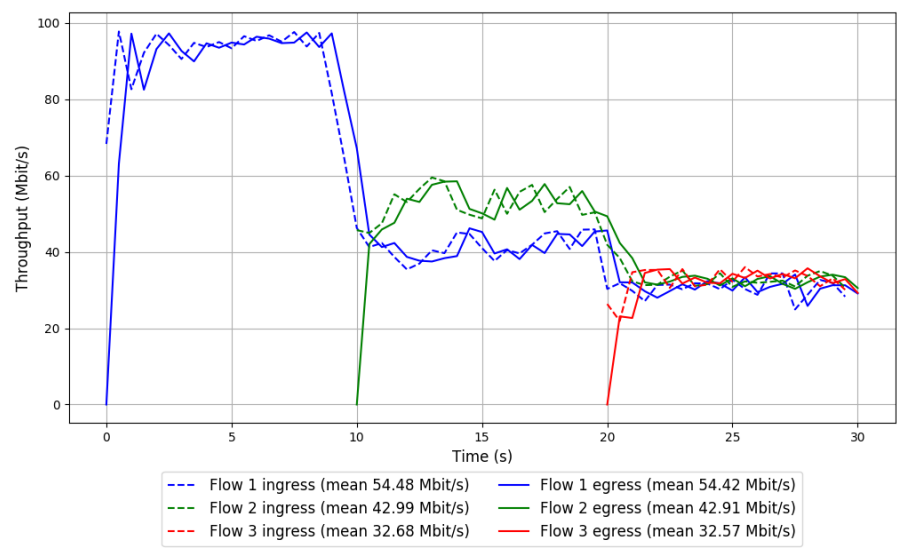


Run 2: Statistics of Verus

Start at: 2018-06-06 03:19:59
End at: 2018-06-06 03:20:29
Local clock offset: -1.751 ms
Remote clock offset: -0.722 ms

Below is generated by plot.py at 2018-06-06 06:22:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.77 Mbit/s
95th percentile per-packet one-way delay: 43.823 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 54.42 Mbit/s
95th percentile per-packet one-way delay: 37.309 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 42.91 Mbit/s
95th percentile per-packet one-way delay: 45.990 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: 47.496 ms
Loss rate: 0.56%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-06-06 03:38:43

End at: 2018-06-06 03:39:13

Local clock offset: 0.745 ms

Remote clock offset: 1.418 ms

Below is generated by plot.py at 2018-06-06 06:22:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.86 Mbit/s

95th percentile per-packet one-way delay: 40.188 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 55.41 Mbit/s

95th percentile per-packet one-way delay: 39.702 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 48.05 Mbit/s

95th percentile per-packet one-way delay: 39.715 ms

Loss rate: 0.33%

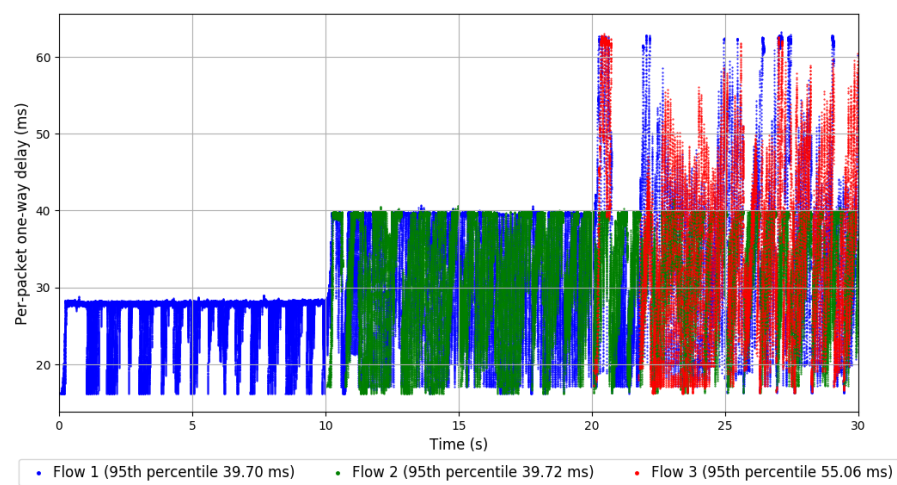
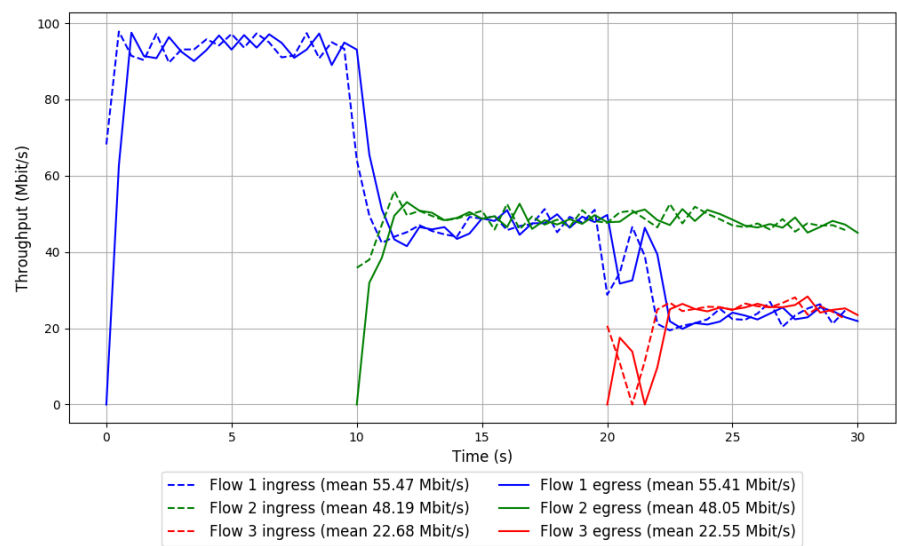
-- Flow 3:

Average throughput: 22.55 Mbit/s

95th percentile per-packet one-way delay: 55.060 ms

Loss rate: 0.32%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-06-06 03:57:31

End at: 2018-06-06 03:58:01

Local clock offset: -0.782 ms

Remote clock offset: 3.456 ms

Below is generated by plot.py at 2018-06-06 06:22:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.09 Mbit/s

95th percentile per-packet one-way delay: 40.714 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 63.27 Mbit/s

95th percentile per-packet one-way delay: 38.554 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 35.42 Mbit/s

95th percentile per-packet one-way delay: 48.593 ms

Loss rate: 0.30%

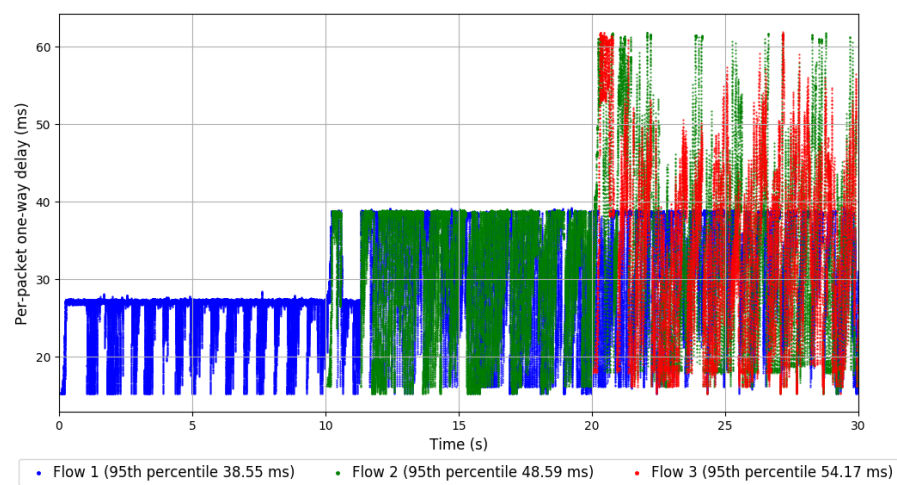
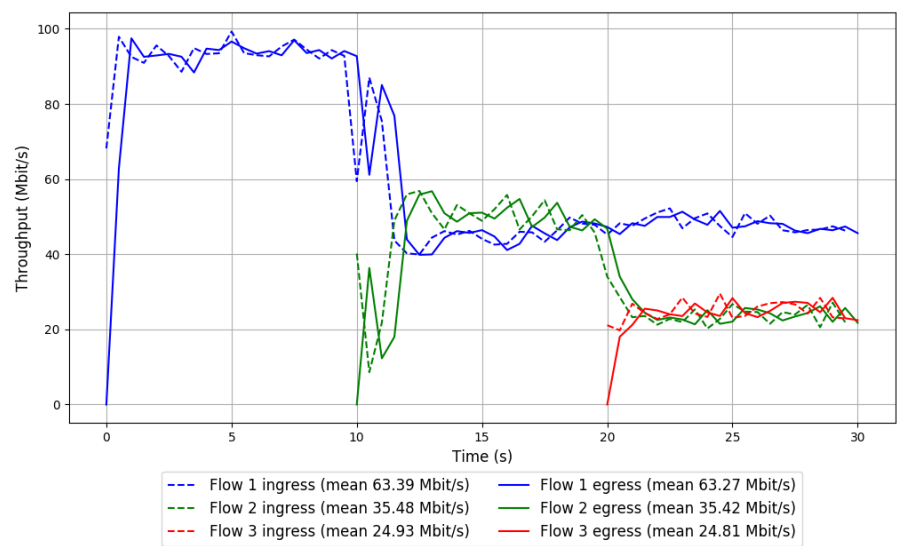
-- Flow 3:

Average throughput: 24.81 Mbit/s

95th percentile per-packet one-way delay: 54.170 ms

Loss rate: 0.74%

Run 4: Report of Verus — Data Link

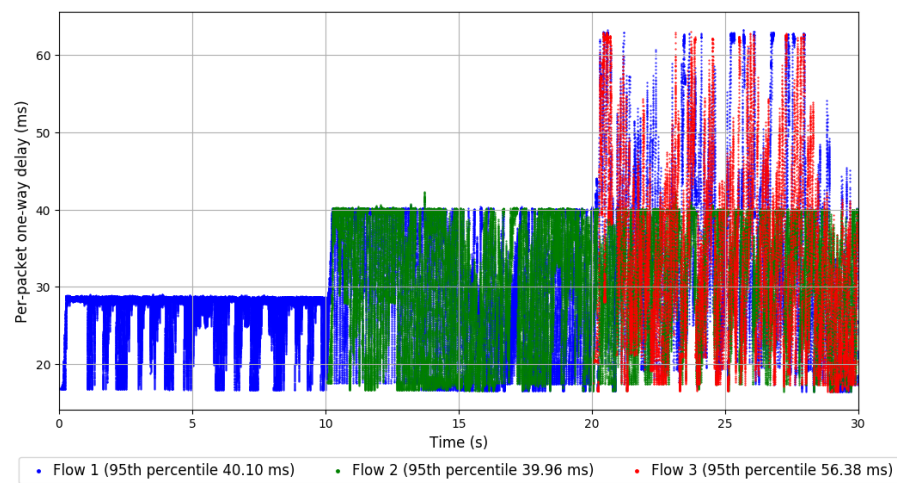
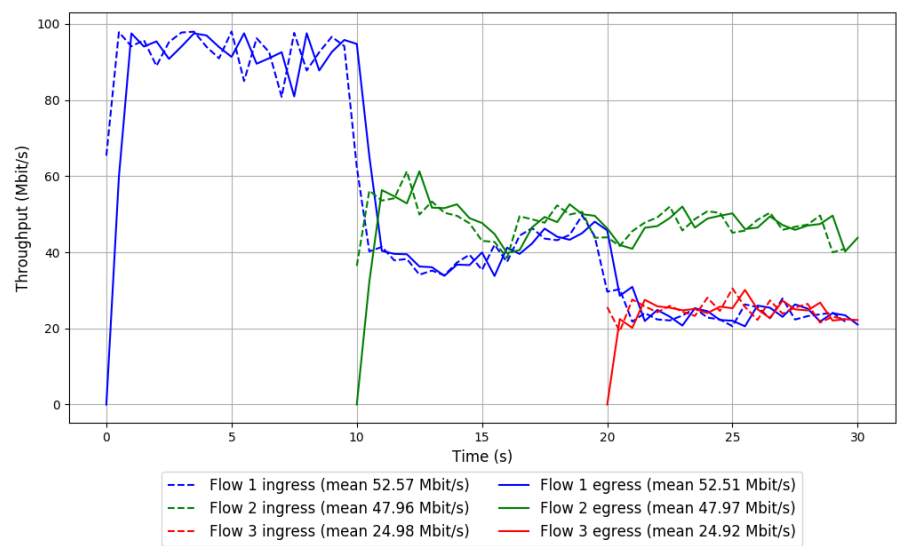


Run 5: Statistics of Verus

Start at: 2018-06-06 04:16:28
End at: 2018-06-06 04:16:58
Local clock offset: 1.688 ms
Remote clock offset: -4.768 ms

Below is generated by plot.py at 2018-06-06 06:23:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.69 Mbit/s
95th percentile per-packet one-way delay: 40.755 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 52.51 Mbit/s
95th percentile per-packet one-way delay: 40.102 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 47.97 Mbit/s
95th percentile per-packet one-way delay: 39.956 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 24.92 Mbit/s
95th percentile per-packet one-way delay: 56.379 ms
Loss rate: 0.55%

Run 5: Report of Verus — Data Link

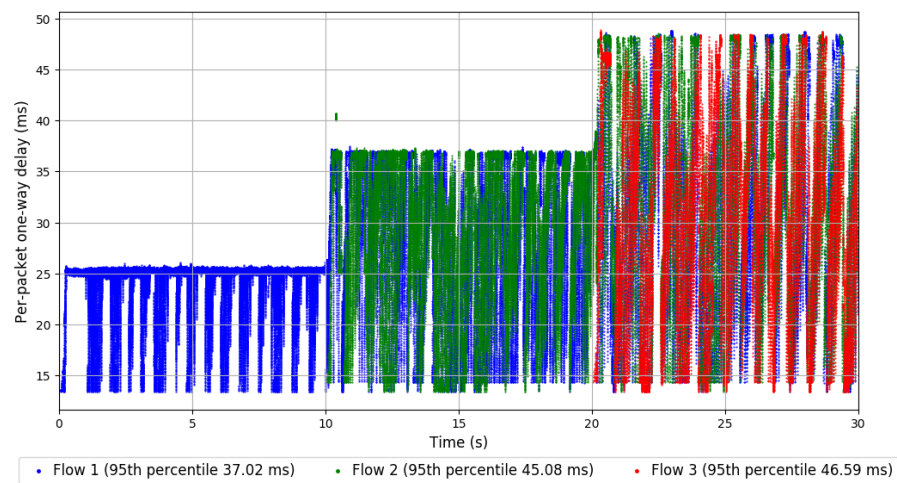
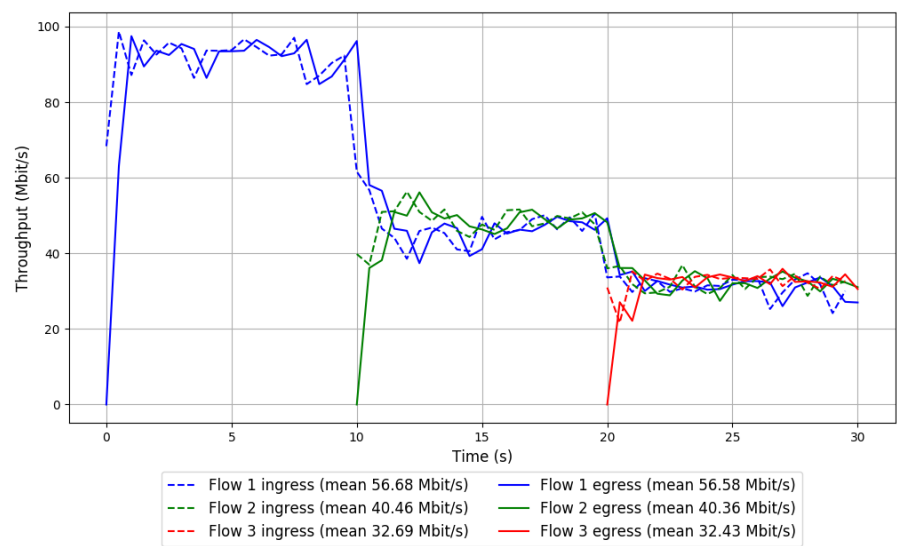


Run 6: Statistics of Verus

Start at: 2018-06-06 04:35:23
End at: 2018-06-06 04:35:53
Local clock offset: 0.175 ms
Remote clock offset: -11.087 ms

Below is generated by plot.py at 2018-06-06 06:23:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.22 Mbit/s
95th percentile per-packet one-way delay: 43.312 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 56.58 Mbit/s
95th percentile per-packet one-way delay: 37.023 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 40.36 Mbit/s
95th percentile per-packet one-way delay: 45.075 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 32.43 Mbit/s
95th percentile per-packet one-way delay: 46.595 ms
Loss rate: 1.00%

Run 6: Report of Verus — Data Link

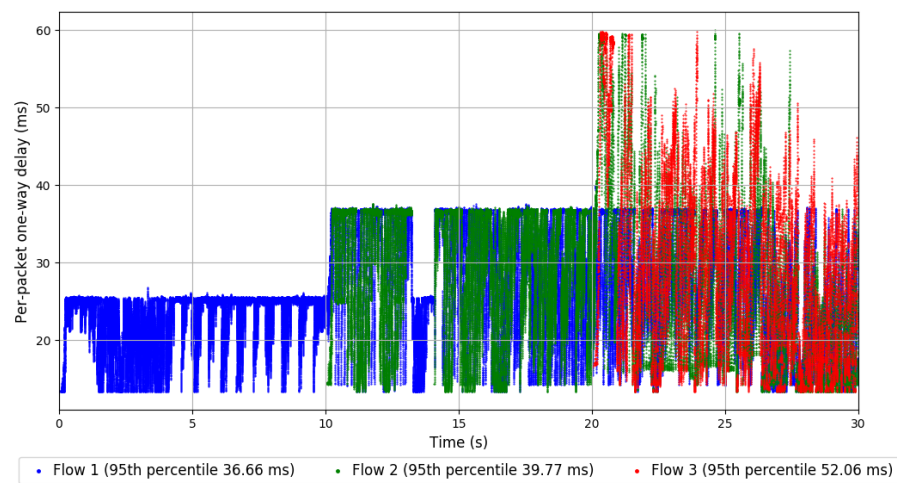
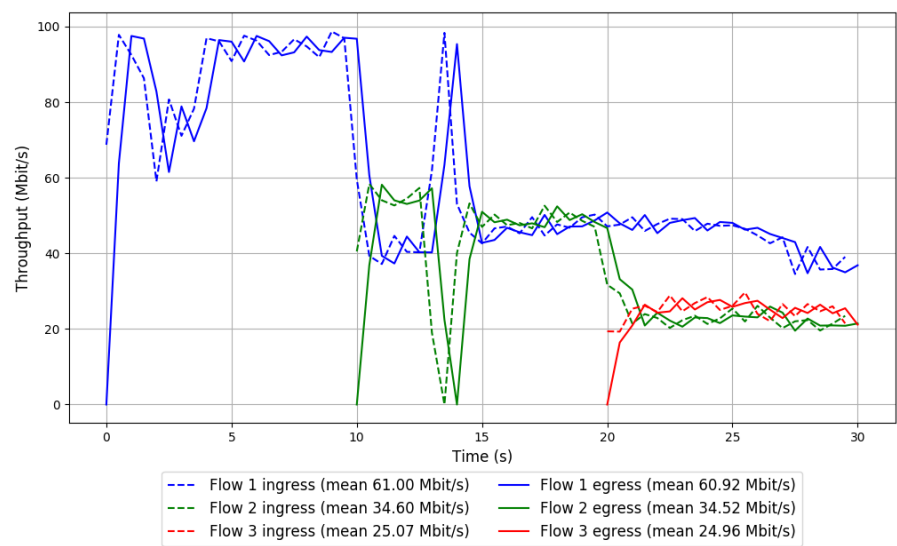


Run 7: Statistics of Verus

Start at: 2018-06-06 04:54:22
End at: 2018-06-06 04:54:52
Local clock offset: -1.041 ms
Remote clock offset: -10.274 ms

Below is generated by plot.py at 2018-06-06 06:23:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.17 Mbit/s
95th percentile per-packet one-way delay: 36.850 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 60.92 Mbit/s
95th percentile per-packet one-way delay: 36.665 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 34.52 Mbit/s
95th percentile per-packet one-way delay: 39.768 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 52.064 ms
Loss rate: 0.64%

Run 7: Report of Verus — Data Link

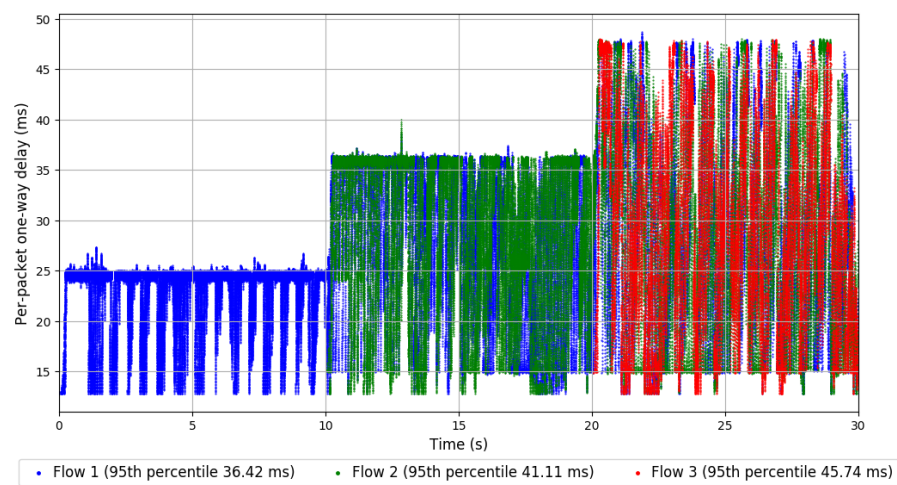
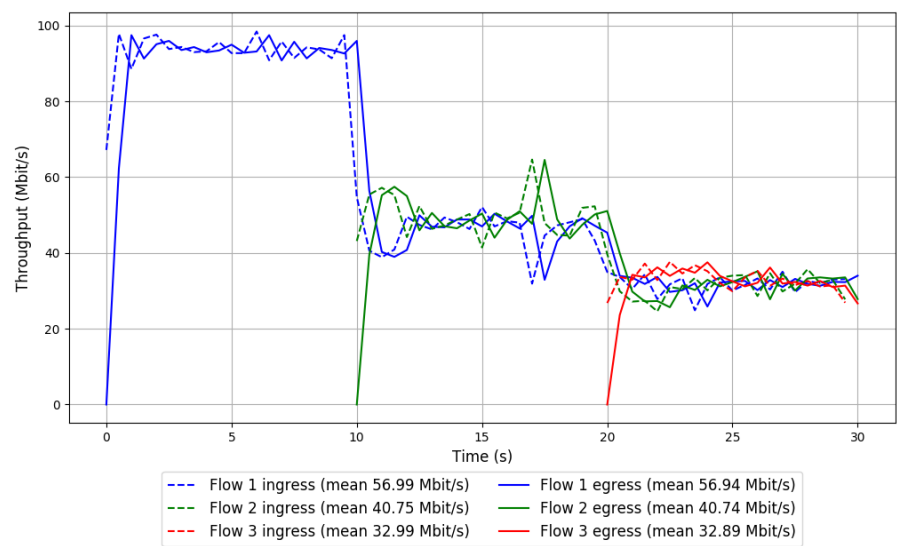


Run 8: Statistics of Verus

Start at: 2018-06-06 05:13:27
End at: 2018-06-06 05:13:57
Local clock offset: -1.282 ms
Remote clock offset: -10.186 ms

Below is generated by plot.py at 2018-06-06 06:23:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 41.015 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.94 Mbit/s
95th percentile per-packet one-way delay: 36.422 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 40.74 Mbit/s
95th percentile per-packet one-way delay: 41.106 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 32.89 Mbit/s
95th percentile per-packet one-way delay: 45.745 ms
Loss rate: 0.55%

Run 8: Report of Verus — Data Link

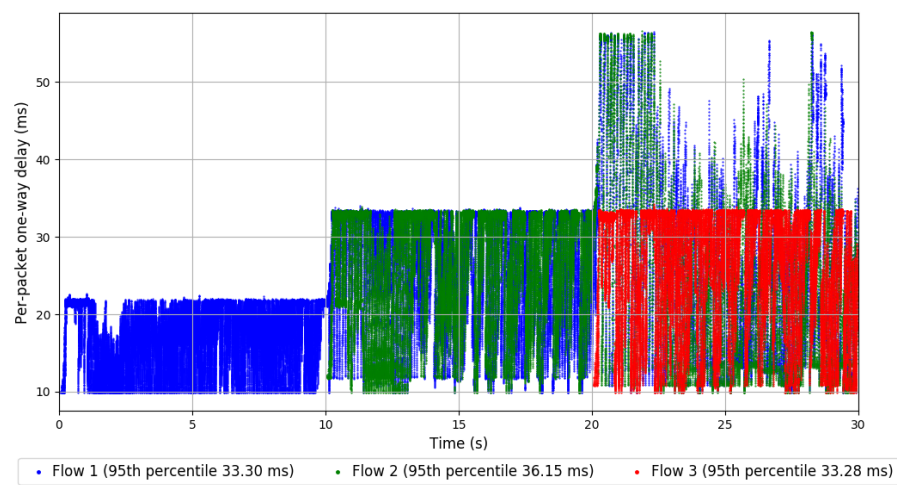
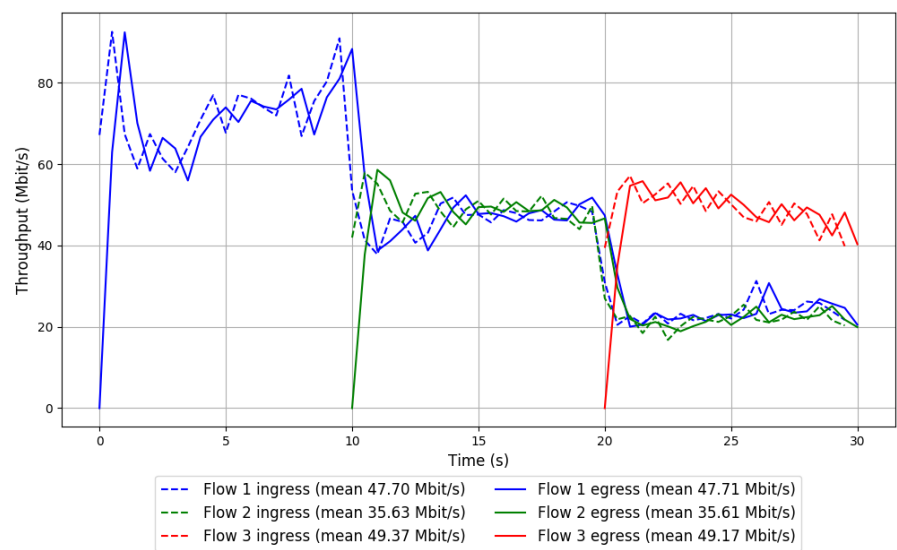


Run 9: Statistics of Verus

Start at: 2018-06-06 05:32:45
End at: 2018-06-06 05:33:15
Local clock offset: -5.743 ms
Remote clock offset: -9.655 ms

Below is generated by plot.py at 2018-06-06 06:23:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.71 Mbit/s
95th percentile per-packet one-way delay: 33.356 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 47.71 Mbit/s
95th percentile per-packet one-way delay: 33.296 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 35.61 Mbit/s
95th percentile per-packet one-way delay: 36.147 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 49.17 Mbit/s
95th percentile per-packet one-way delay: 33.282 ms
Loss rate: 0.36%

Run 9: Report of Verus — Data Link

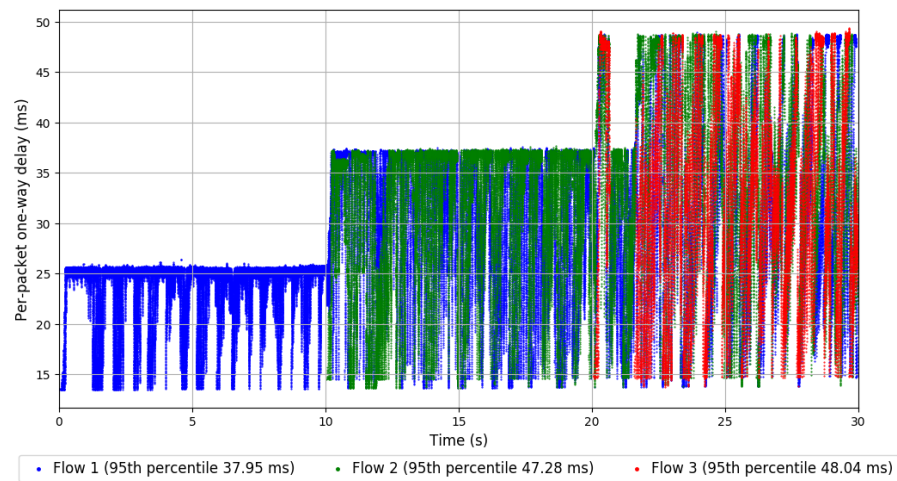
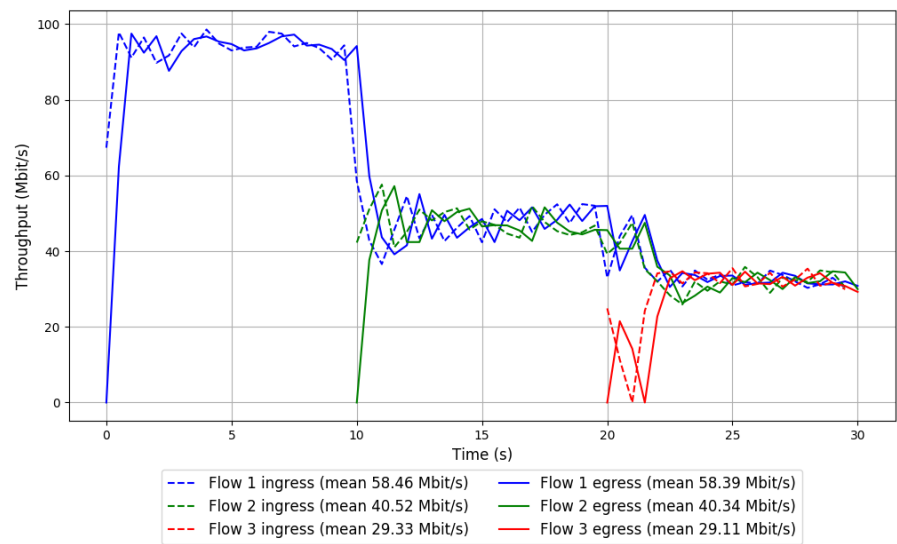


Run 10: Statistics of Verus

Start at: 2018-06-06 05:51:51
End at: 2018-06-06 05:52:21
Local clock offset: -1.716 ms
Remote clock offset: -7.061 ms

Below is generated by plot.py at 2018-06-06 06:23:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.89 Mbit/s
95th percentile per-packet one-way delay: 45.218 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 58.39 Mbit/s
95th percentile per-packet one-way delay: 37.947 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 40.34 Mbit/s
95th percentile per-packet one-way delay: 47.277 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 29.11 Mbit/s
95th percentile per-packet one-way delay: 48.042 ms
Loss rate: 0.97%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-06 02:49:23

End at: 2018-06-06 02:49:53

Local clock offset: -1.079 ms

Remote clock offset: -3.45 ms

Below is generated by plot.py at 2018-06-06 06:23:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.71 Mbit/s

95th percentile per-packet one-way delay: 19.671 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 59.72 Mbit/s

95th percentile per-packet one-way delay: 18.941 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 28.95 Mbit/s

95th percentile per-packet one-way delay: 19.117 ms

Loss rate: 0.19%

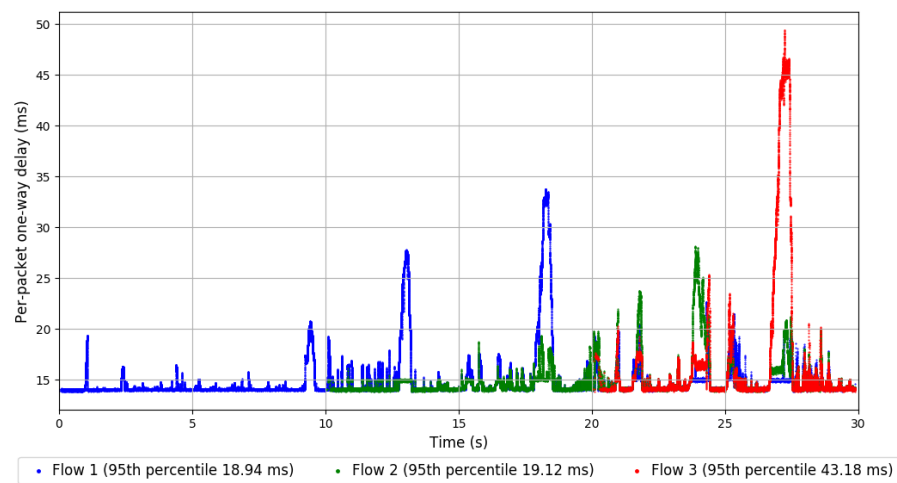
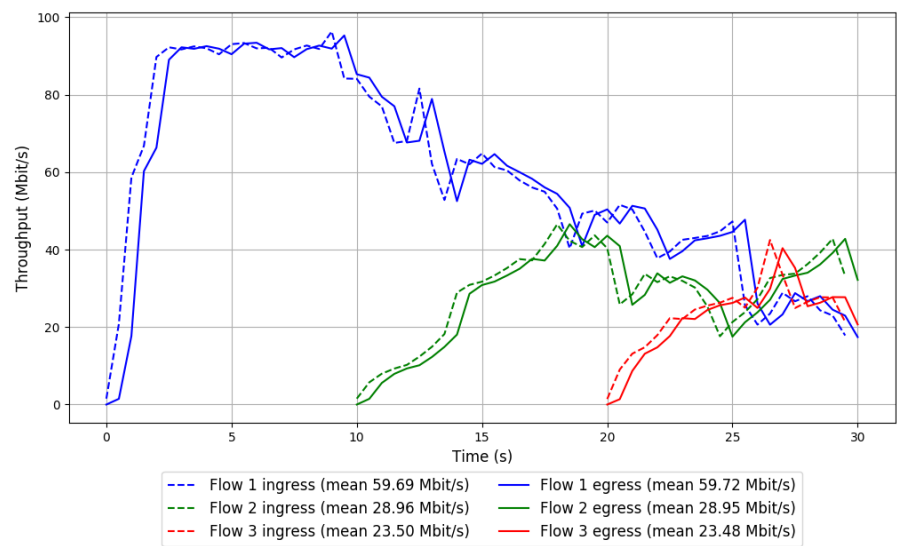
-- Flow 3:

Average throughput: 23.48 Mbit/s

95th percentile per-packet one-way delay: 43.179 ms

Loss rate: 0.38%

Run 1: Report of PCC-Vivace — Data Link

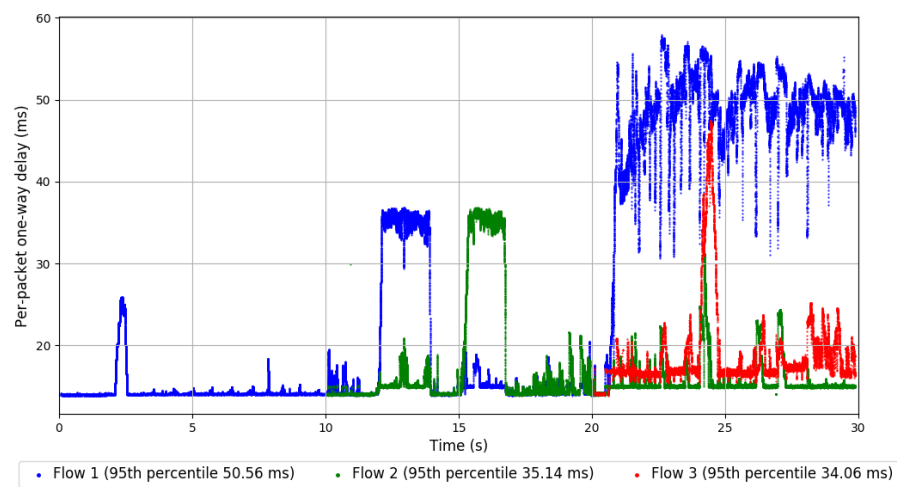
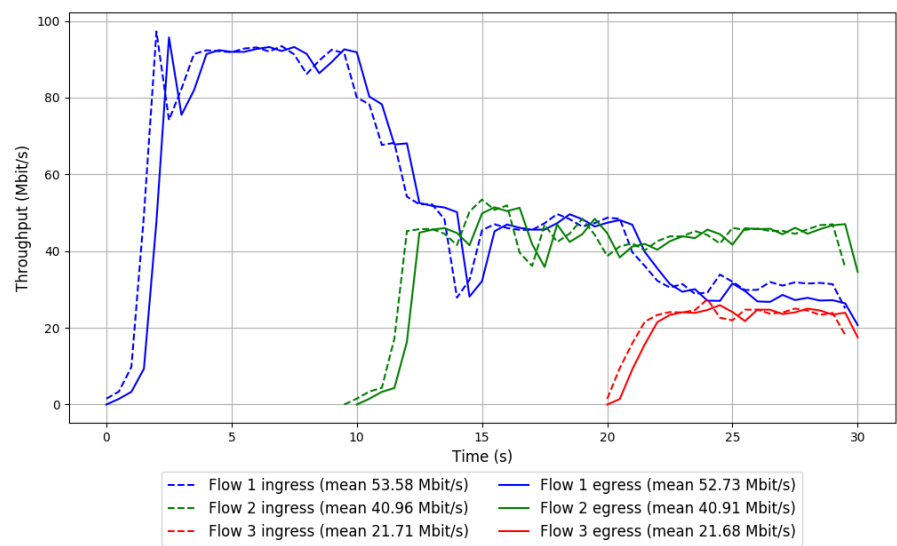


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-06 03:08:03
End at: 2018-06-06 03:08:33
Local clock offset: -1.215 ms
Remote clock offset: -1.017 ms

Below is generated by plot.py at 2018-06-06 06:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.09 Mbit/s
95th percentile per-packet one-way delay: 48.790 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 52.73 Mbit/s
95th percentile per-packet one-way delay: 50.556 ms
Loss rate: 1.69%
-- Flow 2:
Average throughput: 40.91 Mbit/s
95th percentile per-packet one-way delay: 35.141 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 21.68 Mbit/s
95th percentile per-packet one-way delay: 34.063 ms
Loss rate: 0.40%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-06-06 03:26:59

End at: 2018-06-06 03:27:29

Local clock offset: -0.841 ms

Remote clock offset: 0.515 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.91 Mbit/s

95th percentile per-packet one-way delay: 22.152 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 56.19 Mbit/s

95th percentile per-packet one-way delay: 20.375 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 34.43 Mbit/s

95th percentile per-packet one-way delay: 28.624 ms

Loss rate: 0.15%

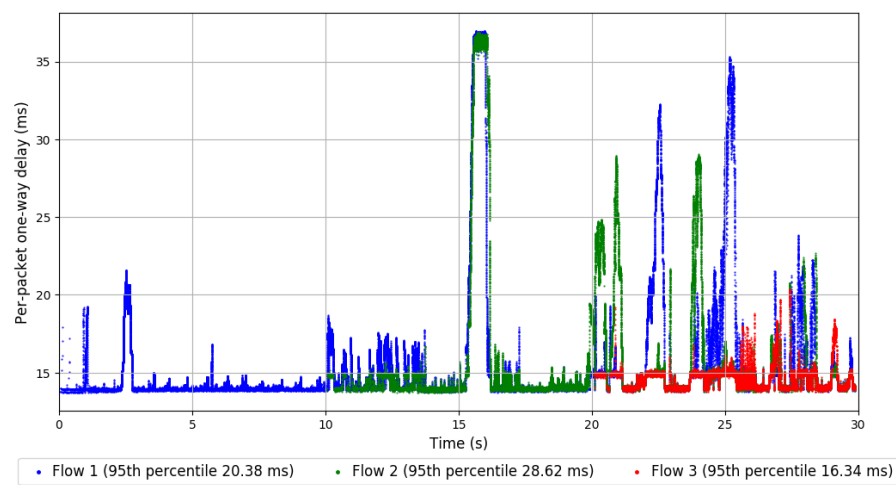
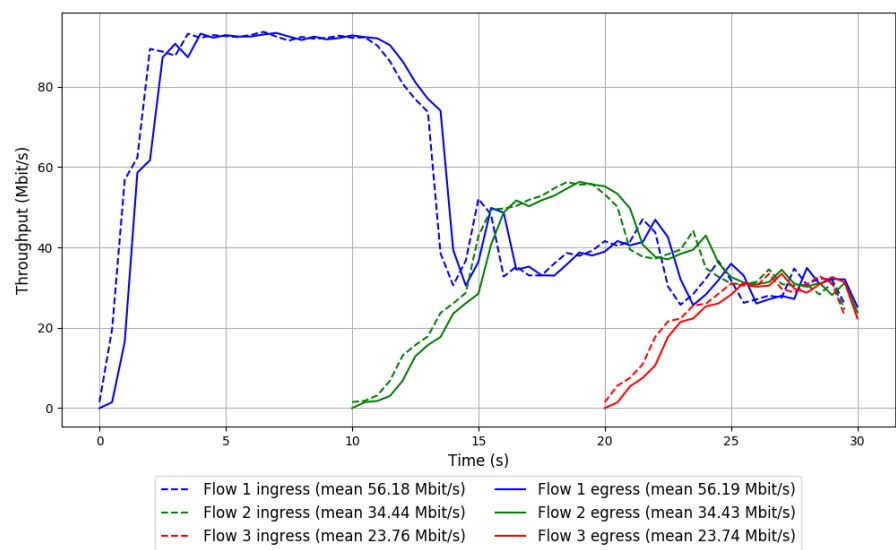
-- Flow 3:

Average throughput: 23.74 Mbit/s

95th percentile per-packet one-way delay: 16.336 ms

Loss rate: 0.31%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-06-06 03:45:53

End at: 2018-06-06 03:46:23

Local clock offset: -2.223 ms

Remote clock offset: 2.409 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.19 Mbit/s

95th percentile per-packet one-way delay: 20.820 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 66.85 Mbit/s

95th percentile per-packet one-way delay: 17.302 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 23.91 Mbit/s

95th percentile per-packet one-way delay: 50.979 ms

Loss rate: 0.31%

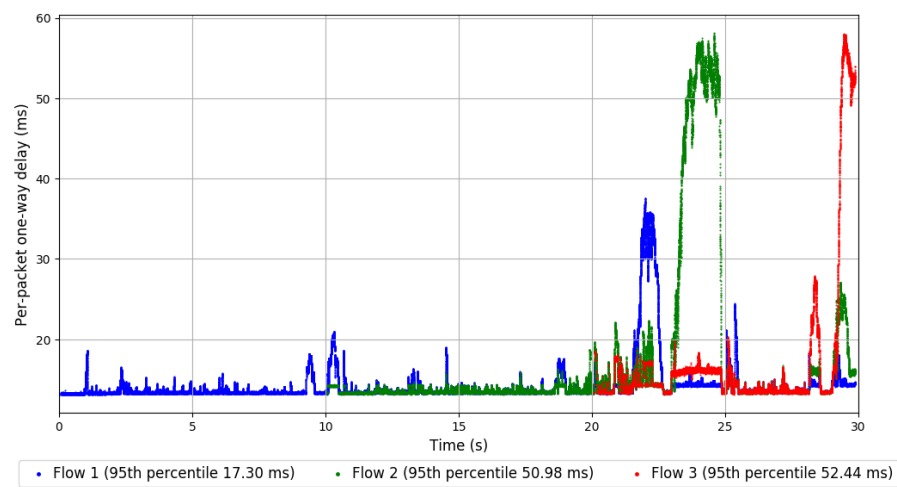
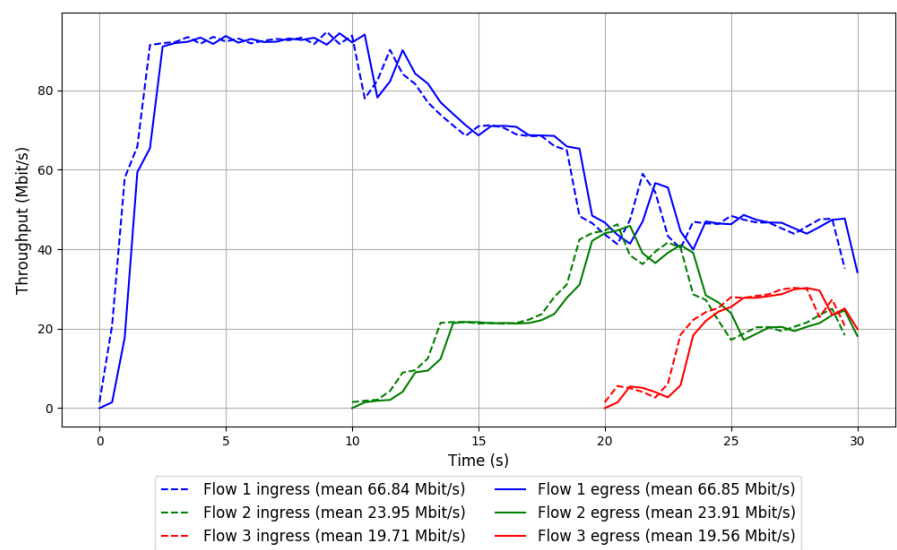
-- Flow 3:

Average throughput: 19.56 Mbit/s

95th percentile per-packet one-way delay: 52.435 ms

Loss rate: 0.97%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-06 04:04:31

End at: 2018-06-06 04:05:02

Local clock offset: 0.027 ms

Remote clock offset: 3.662 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.18 Mbit/s

95th percentile per-packet one-way delay: 36.317 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 58.39 Mbit/s

95th percentile per-packet one-way delay: 21.329 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 35.78 Mbit/s

95th percentile per-packet one-way delay: 36.492 ms

Loss rate: 0.20%

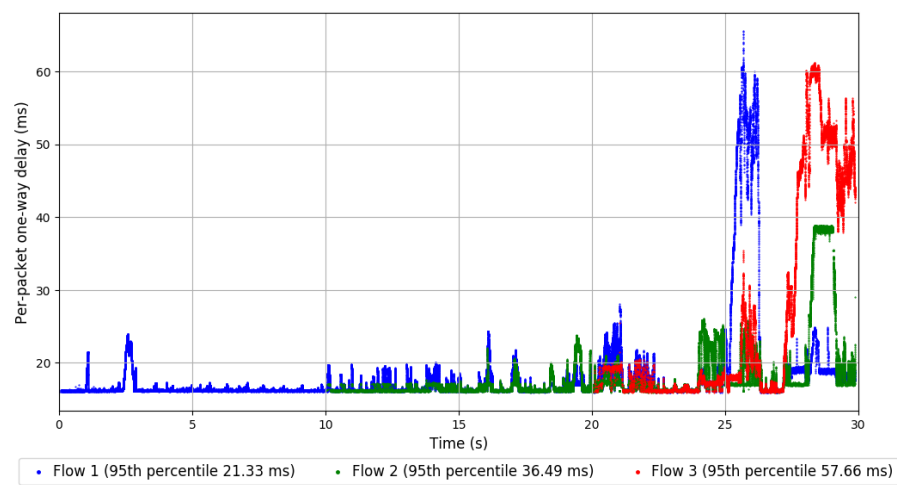
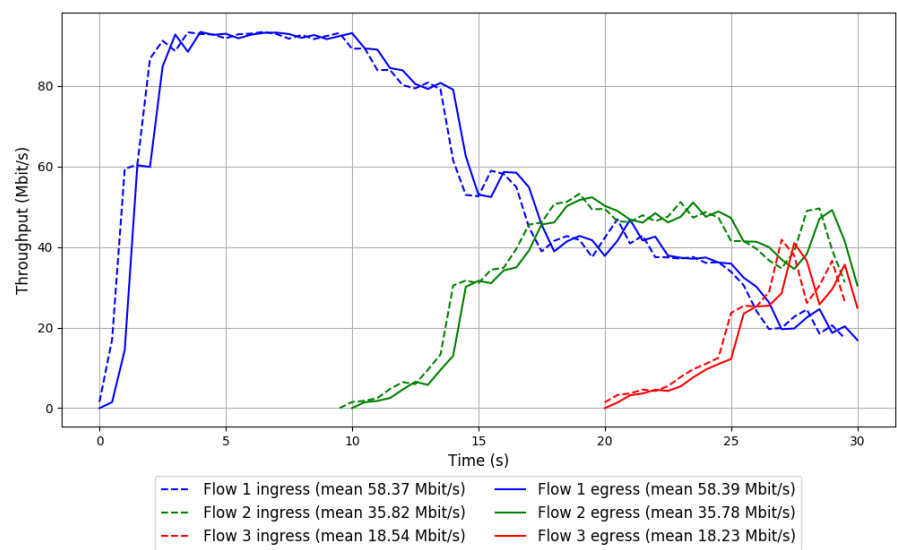
-- Flow 3:

Average throughput: 18.23 Mbit/s

95th percentile per-packet one-way delay: 57.658 ms

Loss rate: 1.92%

Run 5: Report of PCC-Vivace — Data Link

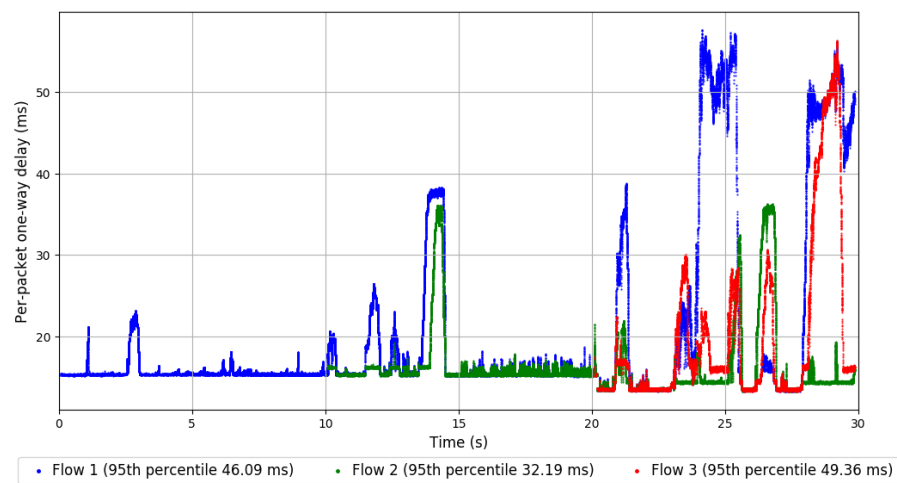
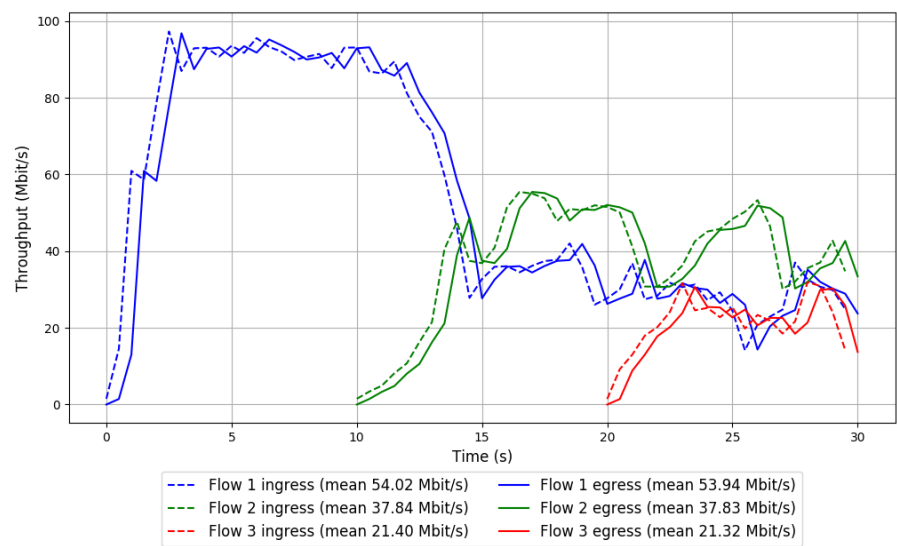


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-06 04:23:38
End at: 2018-06-06 04:24:08
Local clock offset: -1.155 ms
Remote clock offset: -9.627 ms

Below is generated by plot.py at 2018-06-06 06:24:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.12 Mbit/s
95th percentile per-packet one-way delay: 37.869 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 53.94 Mbit/s
95th percentile per-packet one-way delay: 46.087 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 37.83 Mbit/s
95th percentile per-packet one-way delay: 32.188 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 21.32 Mbit/s
95th percentile per-packet one-way delay: 49.356 ms
Loss rate: 0.61%

Run 6: Report of PCC-Vivace — Data Link

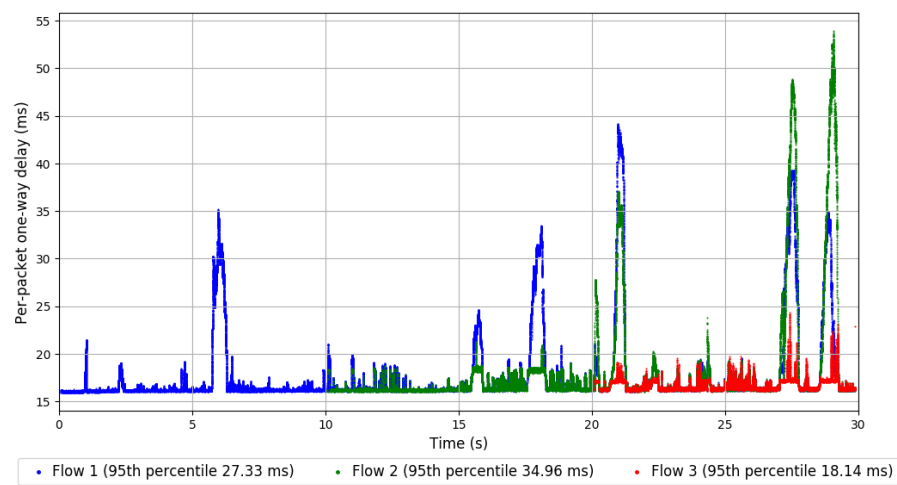
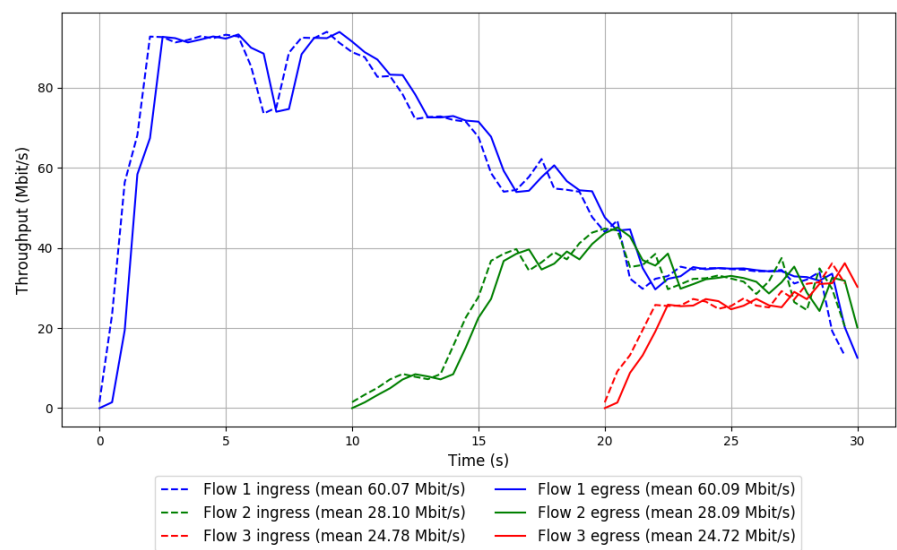


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-06 04:42:26
End at: 2018-06-06 04:42:56
Local clock offset: 2.662 ms
Remote clock offset: -10.869 ms

Below is generated by plot.py at 2018-06-06 06:24:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 27.565 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 60.09 Mbit/s
95th percentile per-packet one-way delay: 27.332 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 28.09 Mbit/s
95th percentile per-packet one-way delay: 34.964 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 18.140 ms
Loss rate: 0.43%

Run 7: Report of PCC-Vivace — Data Link

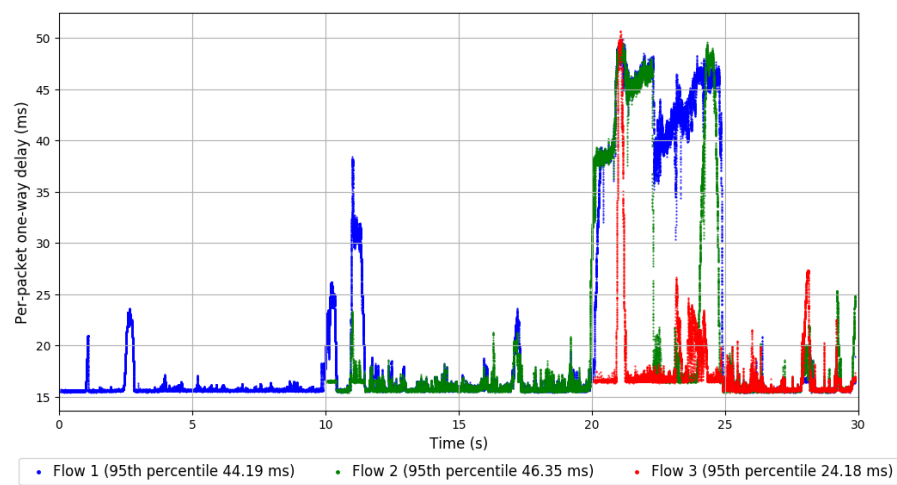
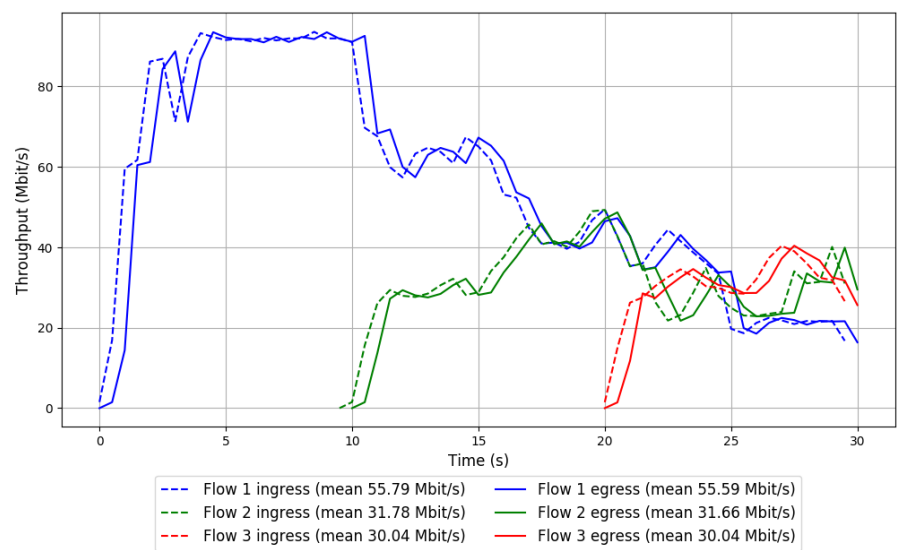


Run 8: Statistics of PCC-Vivace

Start at: 2018-06-06 05:01:30
End at: 2018-06-06 05:02:00
Local clock offset: 0.842 ms
Remote clock offset: -10.782 ms

Below is generated by plot.py at 2018-06-06 06:24:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.54 Mbit/s
95th percentile per-packet one-way delay: 45.119 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 55.59 Mbit/s
95th percentile per-packet one-way delay: 44.185 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 46.347 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 30.04 Mbit/s
95th percentile per-packet one-way delay: 24.177 ms
Loss rate: 0.35%

Run 8: Report of PCC-Vivace — Data Link

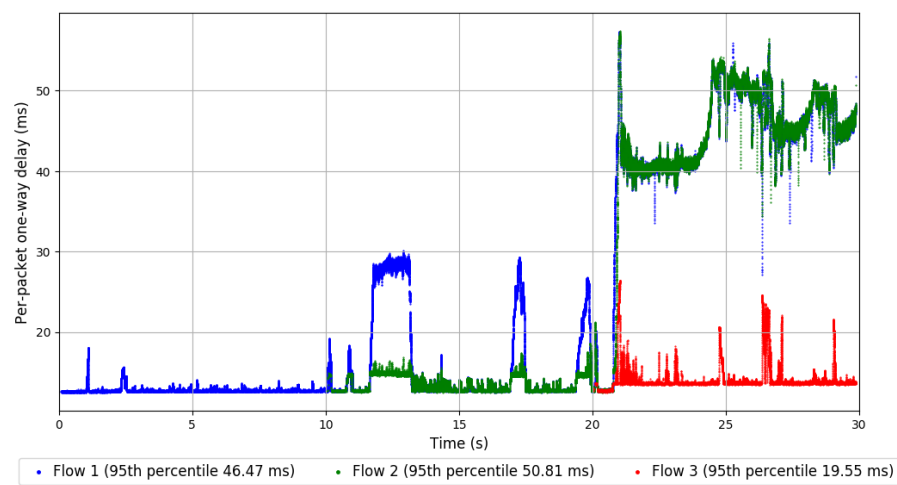
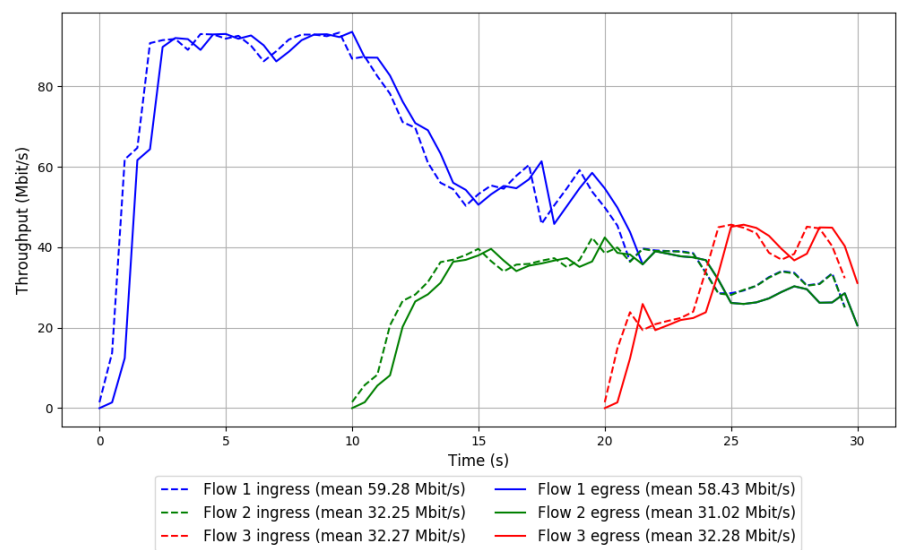


Run 9: Statistics of PCC-Vivace

Start at: 2018-06-06 05:20:37
End at: 2018-06-06 05:21:07
Local clock offset: -3.573 ms
Remote clock offset: -11.065 ms

Below is generated by plot.py at 2018-06-06 06:24:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.70 Mbit/s
95th percentile per-packet one-way delay: 48.488 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 58.43 Mbit/s
95th percentile per-packet one-way delay: 46.474 ms
Loss rate: 1.53%
-- Flow 2:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 50.811 ms
Loss rate: 3.95%
-- Flow 3:
Average throughput: 32.28 Mbit/s
95th percentile per-packet one-way delay: 19.554 ms
Loss rate: 0.36%

Run 9: Report of PCC-Vivace — Data Link

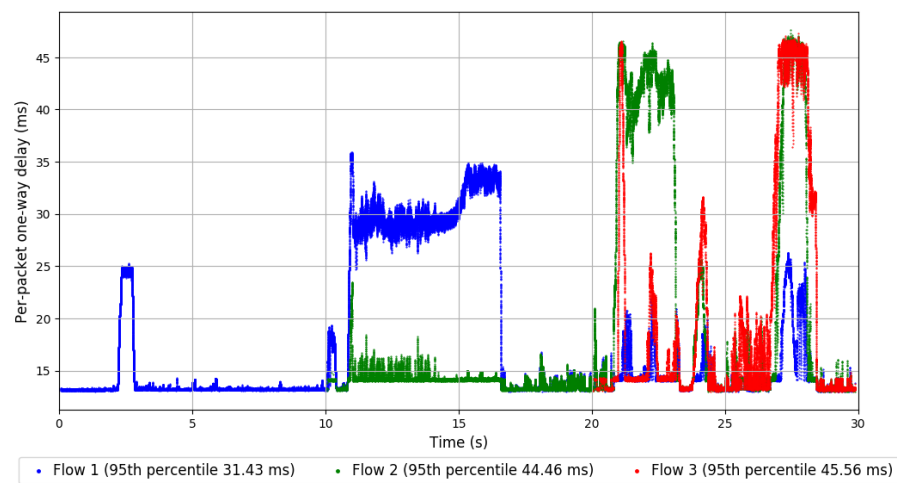
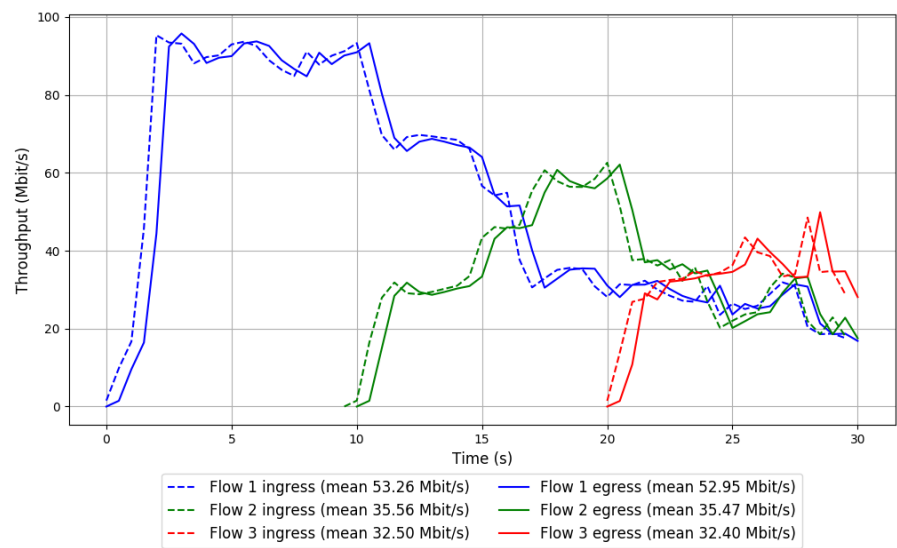


Run 10: Statistics of PCC-Vivace

Start at: 2018-06-06 05:39:55
End at: 2018-06-06 05:40:25
Local clock offset: -1.853 ms
Remote clock offset: -9.506 ms

Below is generated by plot.py at 2018-06-06 06:24:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.23 Mbit/s
95th percentile per-packet one-way delay: 40.576 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 52.95 Mbit/s
95th percentile per-packet one-way delay: 31.430 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 35.47 Mbit/s
95th percentile per-packet one-way delay: 44.461 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 32.40 Mbit/s
95th percentile per-packet one-way delay: 45.562 ms
Loss rate: 0.55%

Run 10: Report of PCC-Vivace — Data Link

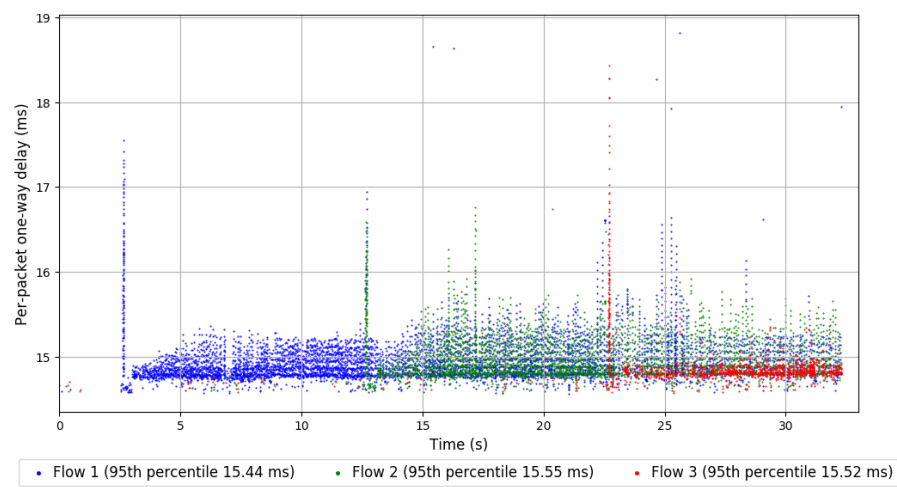
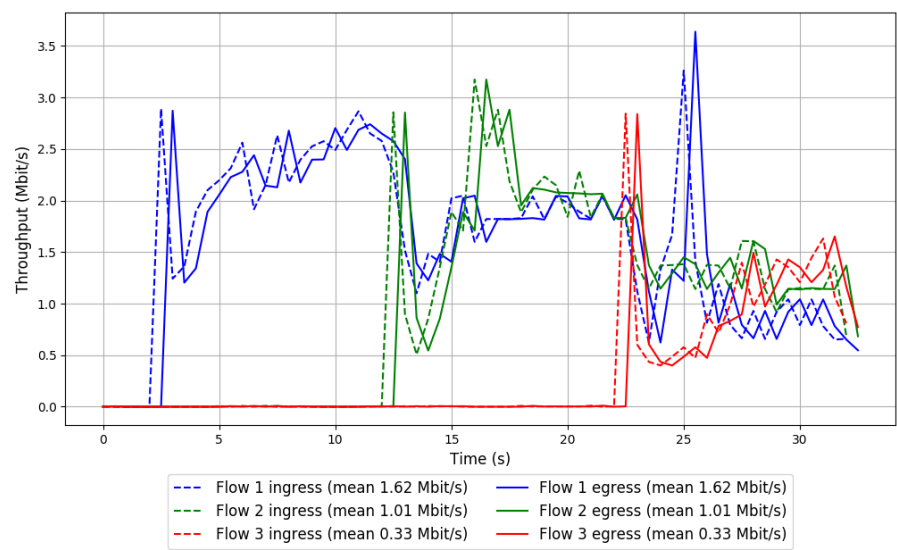


Run 1: Statistics of WebRTC media

Start at: 2018-06-06 02:55:21
End at: 2018-06-06 02:55:51
Local clock offset: -1.409 ms
Remote clock offset: -4.422 ms

Below is generated by plot.py at 2018-06-06 06:24:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.94 Mbit/s
95th percentile per-packet one-way delay: 15.502 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 15.442 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 15.550 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 15.519 ms
Loss rate: 0.18%

Run 1: Report of WebRTC media — Data Link

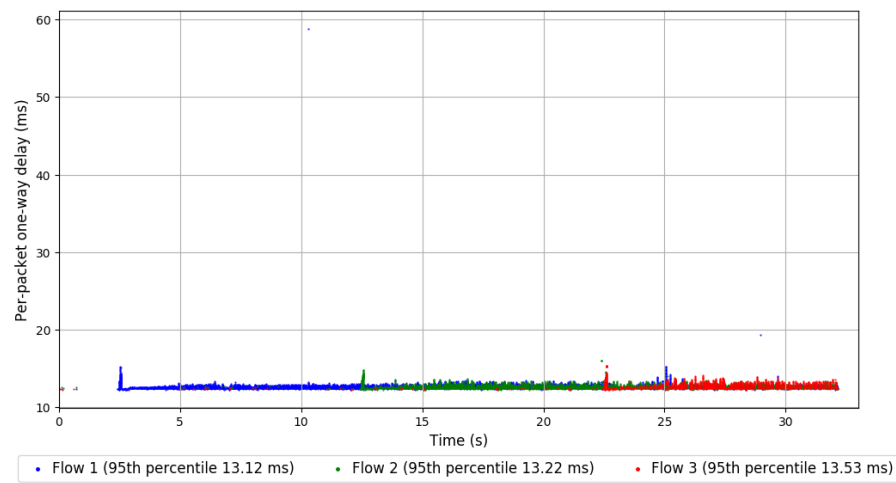
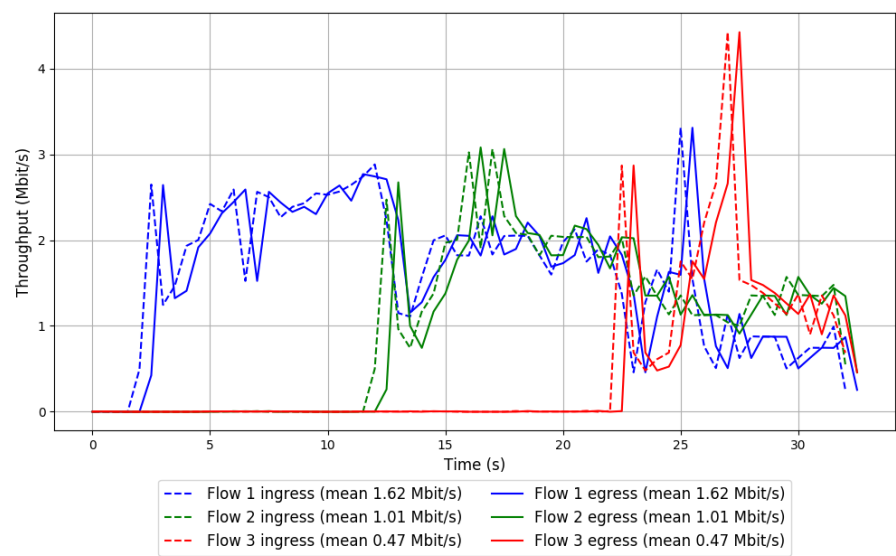


Run 2: Statistics of WebRTC media

Start at: 2018-06-06 03:14:04
End at: 2018-06-06 03:14:34
Local clock offset: -2.898 ms
Remote clock offset: -0.832 ms

Below is generated by plot.py at 2018-06-06 06:24:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 13.260 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 13.116 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 13.223 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 13.531 ms
Loss rate: 0.75%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-06-06 03:32:58

End at: 2018-06-06 03:33:28

Local clock offset: 0.819 ms

Remote clock offset: 2.433 ms

Below is generated by plot.py at 2018-06-06 06:24:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.00 Mbit/s

95th percentile per-packet one-way delay: 14.826 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 1.60 Mbit/s

95th percentile per-packet one-way delay: 14.767 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.00 Mbit/s

95th percentile per-packet one-way delay: 14.901 ms

Loss rate: 0.00%

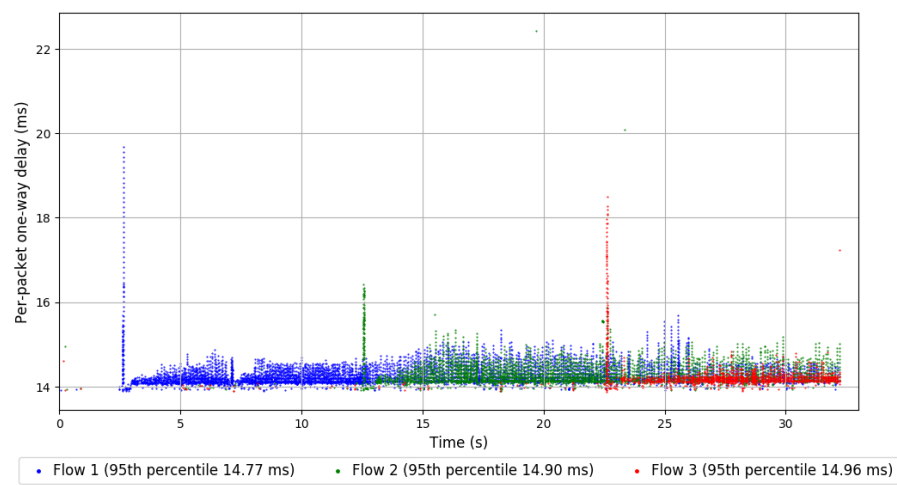
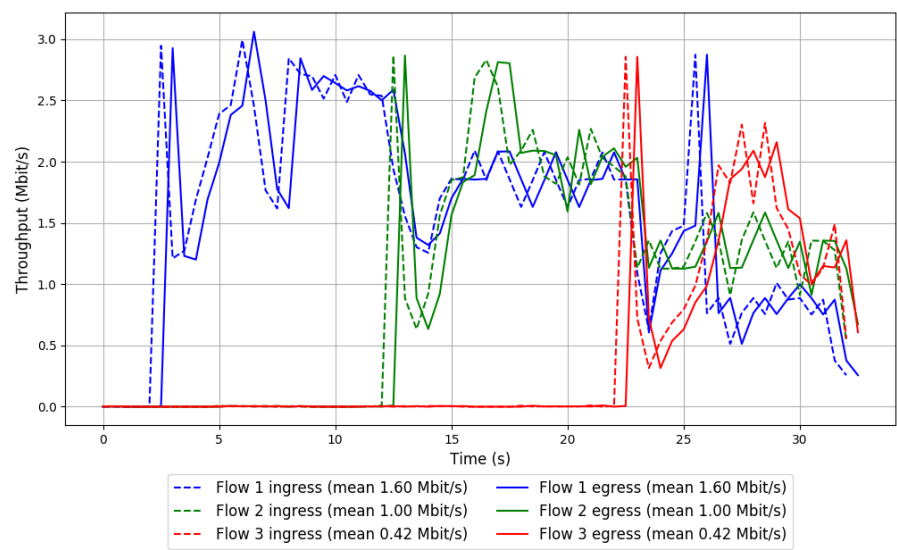
-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 14.956 ms

Loss rate: 0.29%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-06-06 03:51:46

End at: 2018-06-06 03:52:16

Local clock offset: 0.111 ms

Remote clock offset: 3.483 ms

Below is generated by plot.py at 2018-06-06 06:24:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.06 Mbit/s

95th percentile per-packet one-way delay: 16.306 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.62 Mbit/s

95th percentile per-packet one-way delay: 16.227 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.99 Mbit/s

95th percentile per-packet one-way delay: 16.330 ms

Loss rate: 0.00%

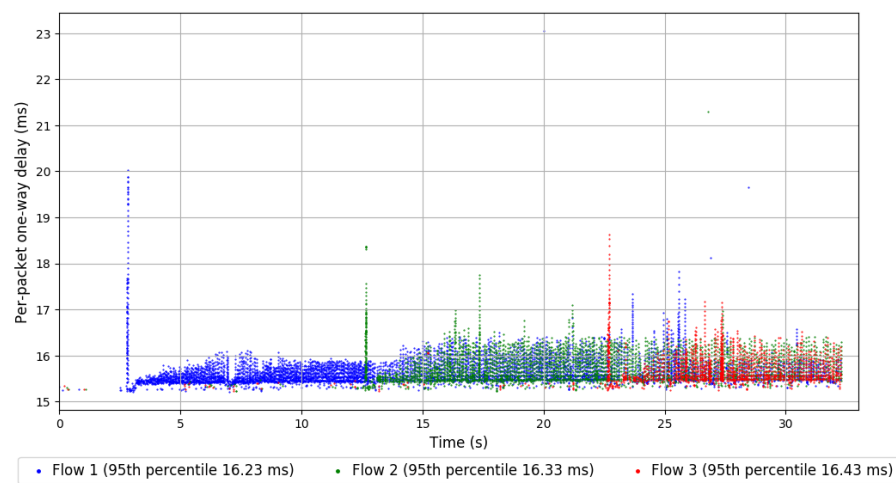
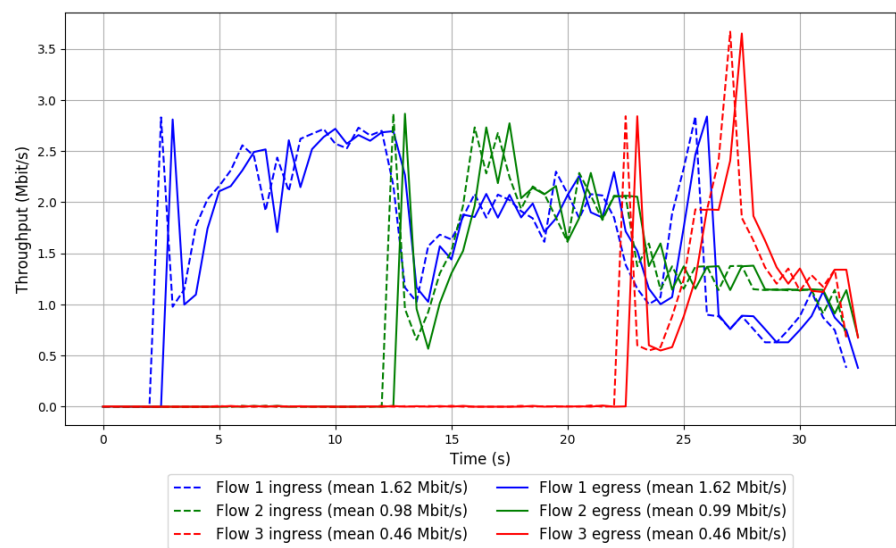
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 16.435 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

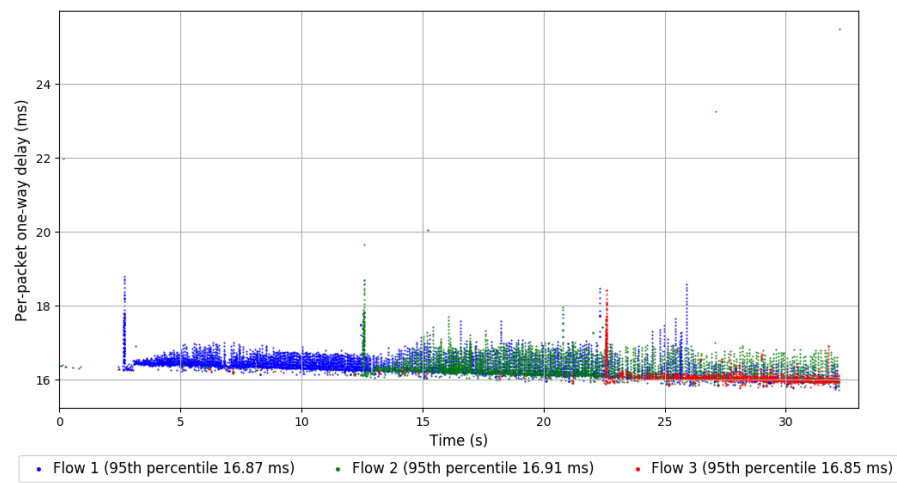
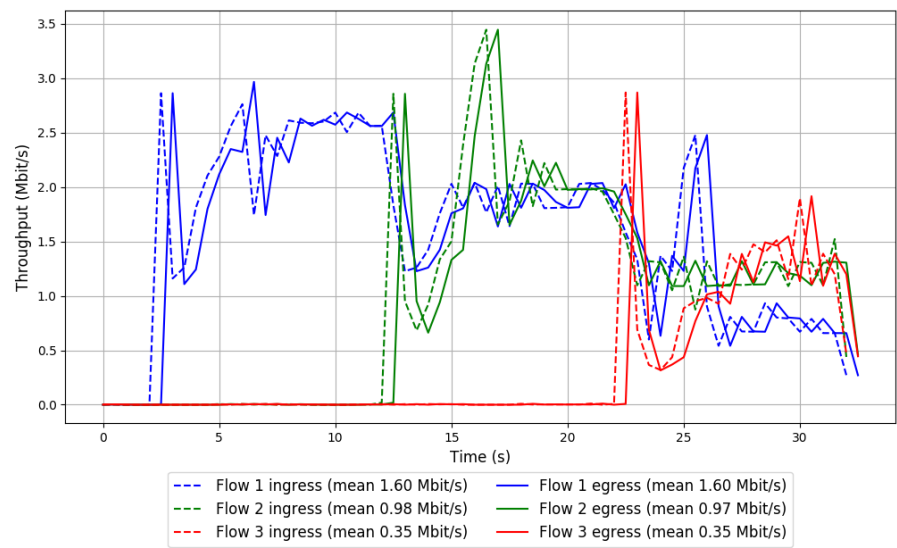


Run 5: Statistics of WebRTC media

Start at: 2018-06-06 04:10:34
End at: 2018-06-06 04:11:04
Local clock offset: 1.724 ms
Remote clock offset: -1.206 ms

Below is generated by plot.py at 2018-06-06 06:24:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 16.882 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 16.871 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 16.907 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 16.854 ms
Loss rate: 0.11%

Run 5: Report of WebRTC media — Data Link

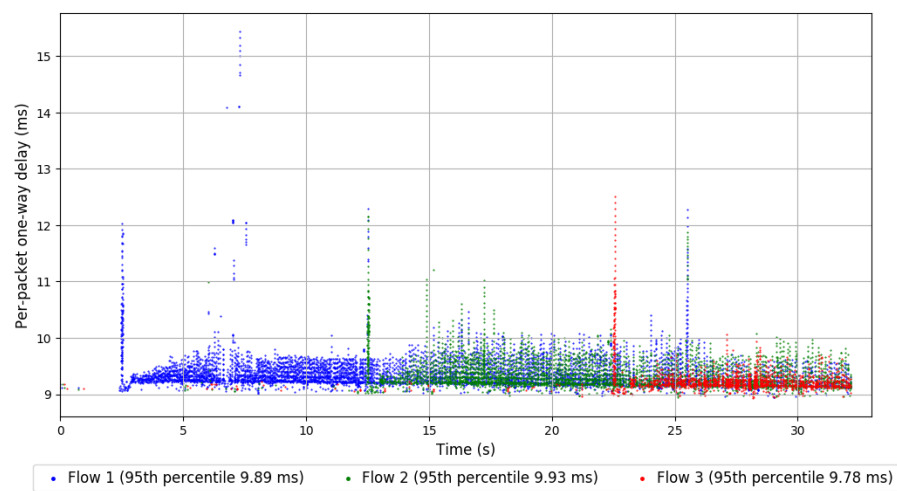
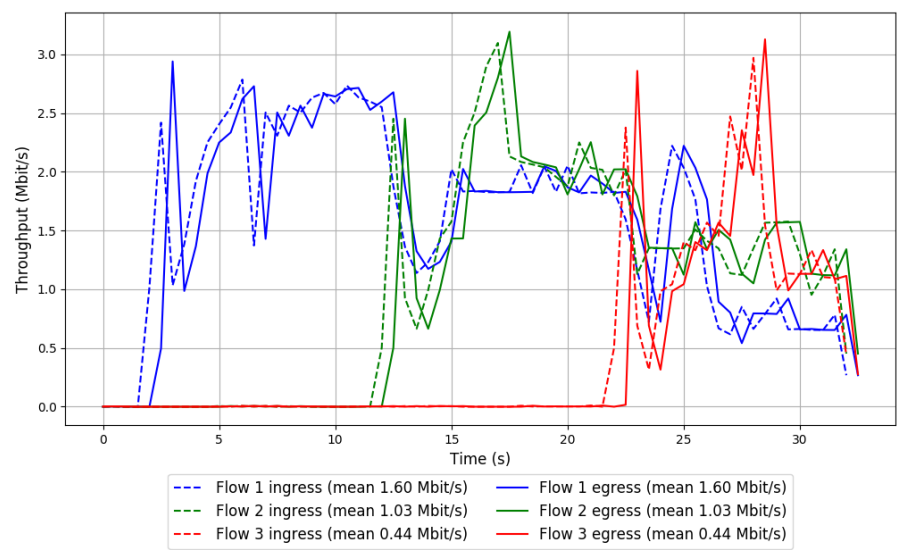


Run 6: Statistics of WebRTC media

Start at: 2018-06-06 04:29:36
End at: 2018-06-06 04:30:06
Local clock offset: -2.911 ms
Remote clock offset: -8.898 ms

Below is generated by plot.py at 2018-06-06 06:24:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 9.897 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 9.889 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 9.926 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 9.784 ms
Loss rate: 0.59%

Run 6: Report of WebRTC media — Data Link

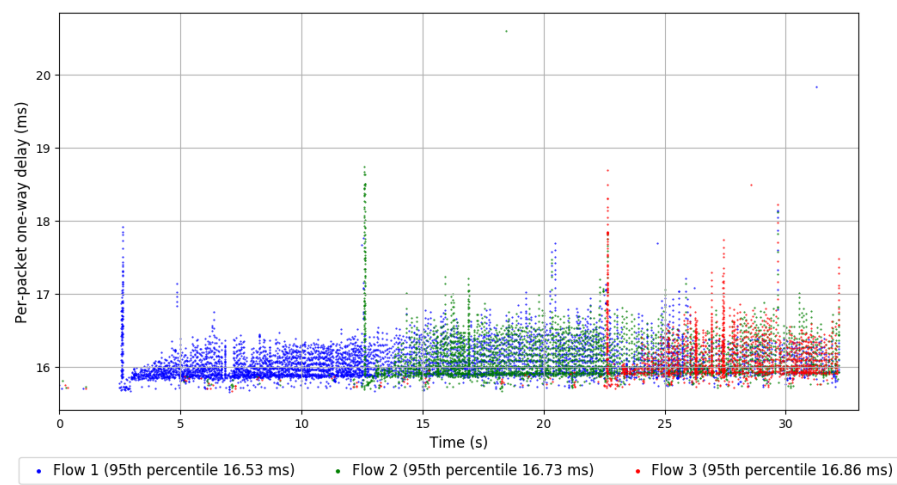
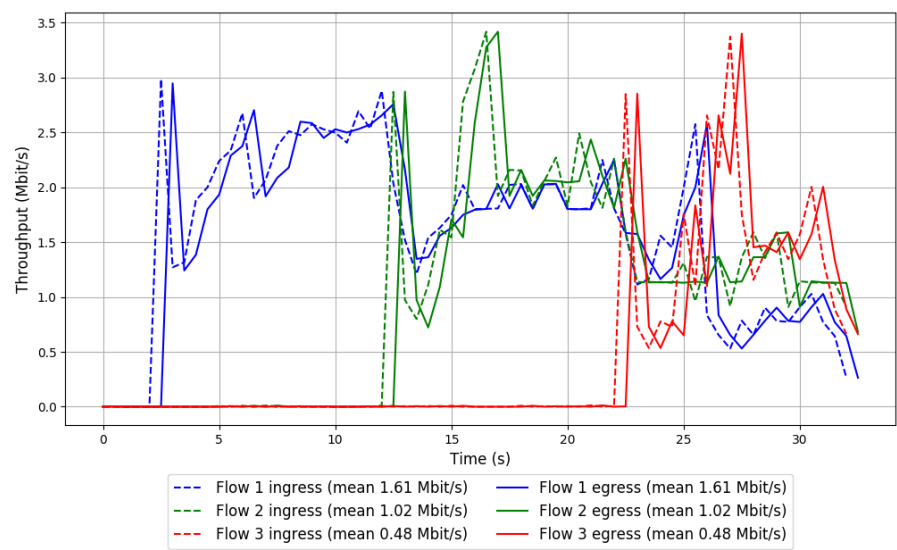


Run 7: Statistics of WebRTC media

Start at: 2018-06-06 04:48:31
End at: 2018-06-06 04:49:01
Local clock offset: 1.602 ms
Remote clock offset: -10.443 ms

Below is generated by plot.py at 2018-06-06 06:24:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 16.661 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 16.531 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 16.727 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 16.862 ms
Loss rate: 0.01%

Run 7: Report of WebRTC media — Data Link

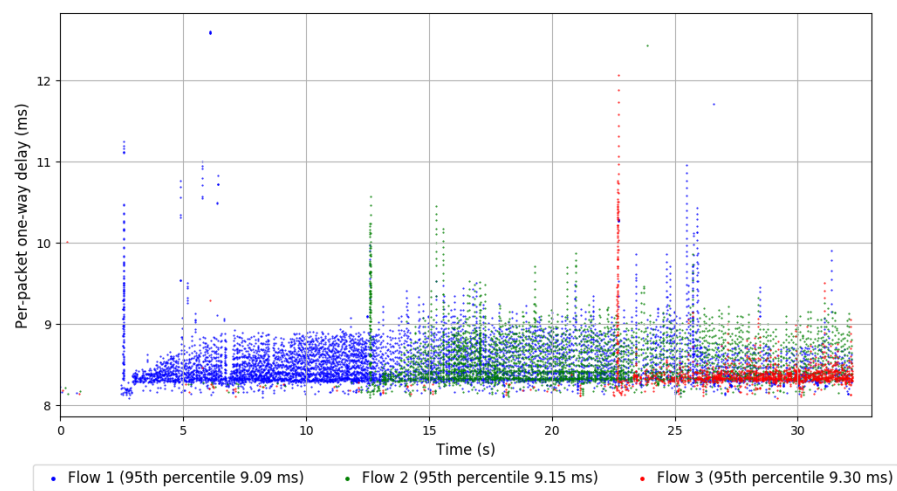
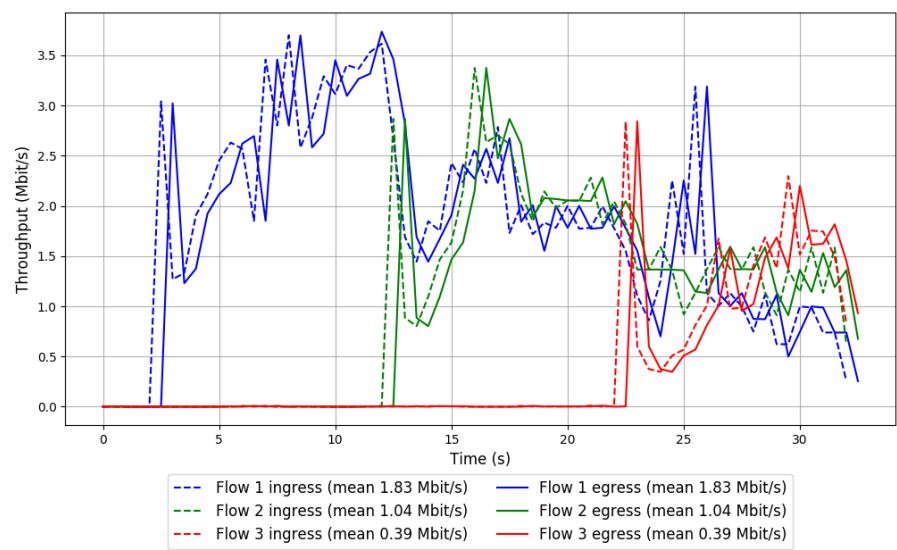


Run 8: Statistics of WebRTC media

Start at: 2018-06-06 05:07:35
End at: 2018-06-06 05:08:05
Local clock offset: -6.513 ms
Remote clock offset: -10.772 ms

Below is generated by plot.py at 2018-06-06 06:24:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 9.122 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 9.087 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 9.154 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 9.304 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

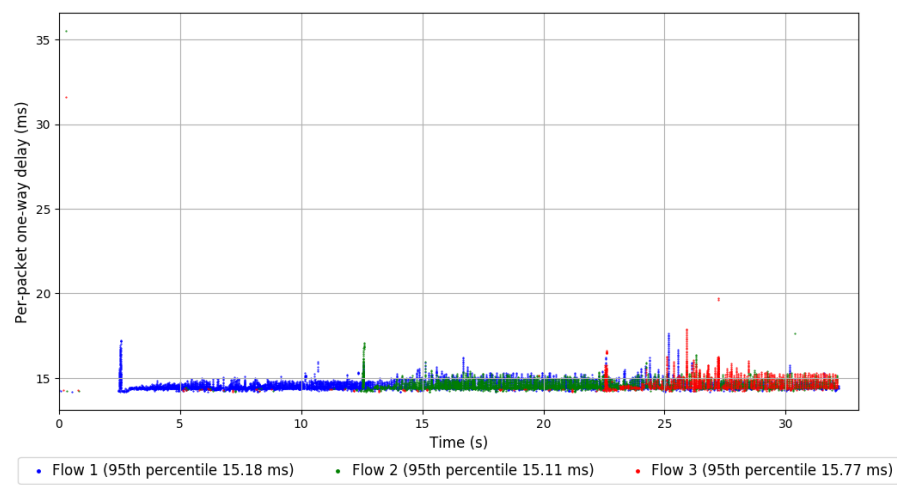
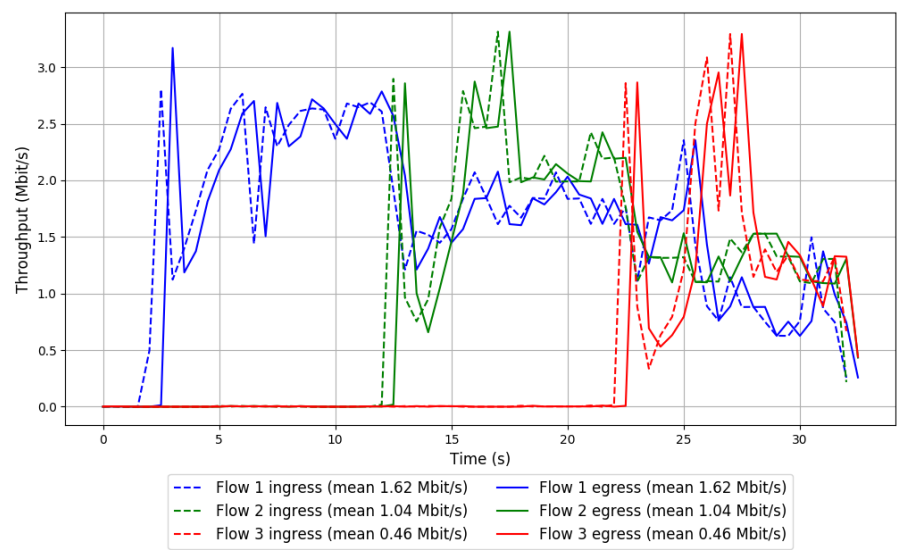


Run 9: Statistics of WebRTC media

Start at: 2018-06-06 05:26:43
End at: 2018-06-06 05:27:13
Local clock offset: -1.233 ms
Remote clock offset: -9.866 ms

Below is generated by plot.py at 2018-06-06 06:24:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 15.267 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 15.180 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 15.105 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 15.772 ms
Loss rate: 0.77%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-06 05:45:59

End at: 2018-06-06 05:46:29

Local clock offset: 0.994 ms

Remote clock offset: -7.44 ms

Below is generated by plot.py at 2018-06-06 06:24:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.16 Mbit/s

95th percentile per-packet one-way delay: 14.500 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 1.64 Mbit/s

95th percentile per-packet one-way delay: 14.398 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.06 Mbit/s

95th percentile per-packet one-way delay: 14.452 ms

Loss rate: 0.14%

-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 14.868 ms

Loss rate: 0.02%

Run 10: Report of WebRTC media — Data Link

