

Pantheon Report

Generated at 2018-02-16 18:20:07 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

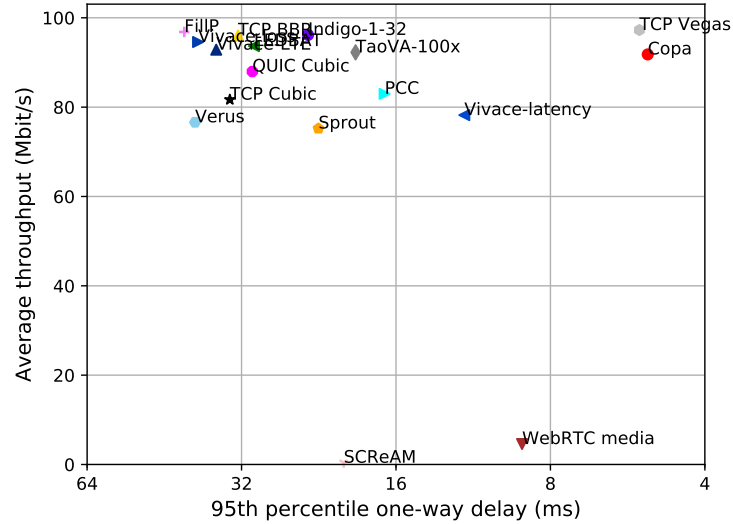
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

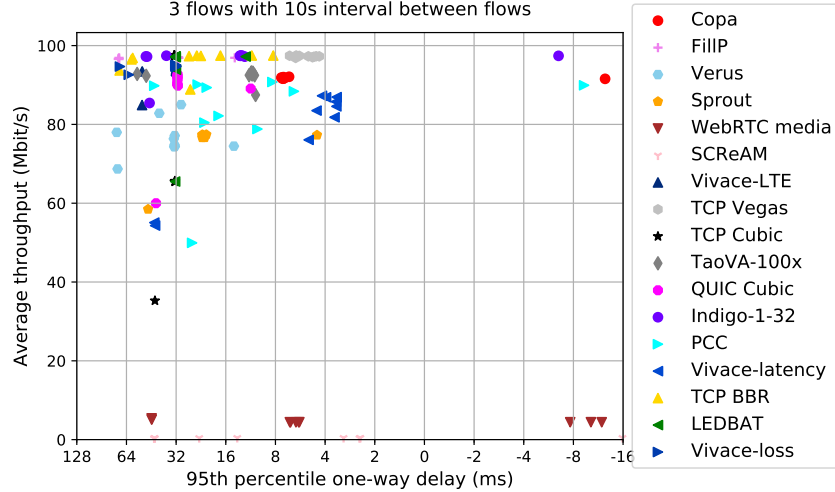
Git summary:

```
branch: master @ cccb2d77344969a7bac1df6edf6c0cfb6c77a6f8
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 8400b8926887fc4cf8c795a1d7ce2c8ac041ec72
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
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/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
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 @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



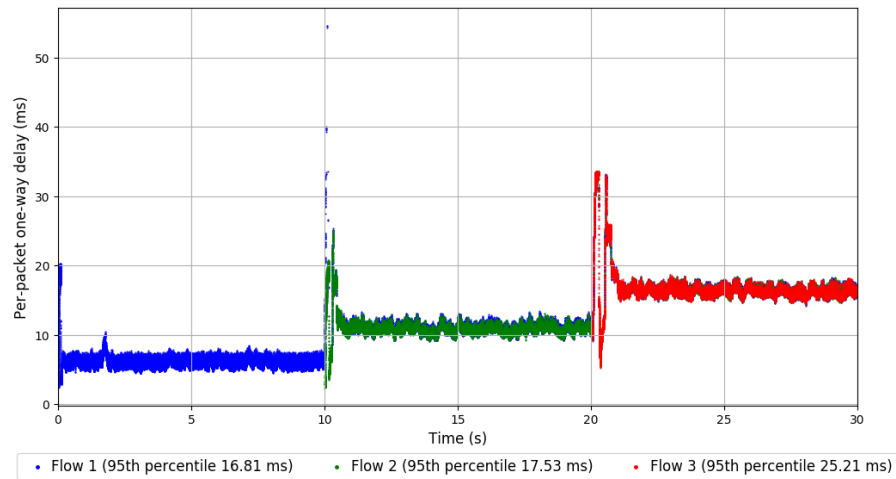
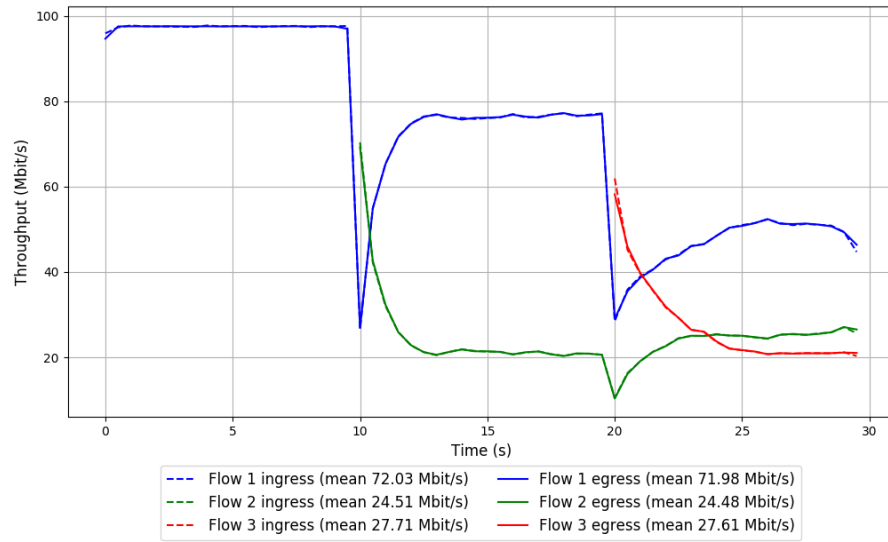
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	64.01	35.35	25.63	23.42	29.96	31.79	0.40	0.81	1.36
TCP Cubic	10	41.00	44.80	32.59	48.29	36.34	40.52	1.50	0.27	0.39
LEDBAT	10	61.74	30.53	35.00	34.01	42.36	30.27	0.39	0.98	0.07
PCC	10	64.89	22.43	9.61	6.41	19.40	17.97	0.41	0.64	0.42
QUIC Cubic	10	53.23	38.11	28.84	33.04	29.37	33.58	0.39	0.21	0.35
SCReAM	10	0.20	0.20	0.20	8.21	7.10	6.86	0.27	0.34	0.43
WebRTC media	10	2.52	1.51	0.56	8.80	1.41	2.70	0.66	0.01	0.01
Sprout	10	39.20	37.80	32.91	22.79	20.10	21.04	0.15	0.00	0.00
TaoVA-100x	10	59.02	38.78	22.38	11.07	21.28	18.96	0.02	0.47	0.46
TCP Vegas	10	49.42	47.48	48.84	9.83	4.60	14.03	0.00	0.00	0.55
Verus	10	45.72	33.12	26.90	32.92	36.34	32.53	16.58	30.12	33.99
Copa	10	56.52	38.70	28.63	4.59	5.21	10.24	0.00	0.00	0.48
FillP	10	58.09	42.30	32.02	37.42	29.31	37.48	17.50	24.04	33.66
Indigo-1-32	10	49.86	39.70	61.42	12.08	26.00	11.12	0.33	0.84	0.01
Vivace-latency	10	44.55	36.45	28.61	11.56	8.06	5.24	0.45	0.26	0.00
Vivace-loss	10	71.24	26.68	17.10	35.26	36.17	32.15	3.45	2.22	2.48
Vivace-LTE	10	60.86	38.02	20.40	33.94	32.70	37.98	0.56	0.68	1.82

Run 1: Statistics of TCP BBR

Start at: 2018-02-16 14:08:11
End at: 2018-02-16 14:08:41
Local clock offset: -4.498 ms
Remote clock offset: -5.574 ms

Below is generated by plot.py at 2018-02-16 17:53:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 17.239 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 71.98 Mbit/s
95th percentile per-packet one-way delay: 16.810 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 17.527 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 27.61 Mbit/s
95th percentile per-packet one-way delay: 25.214 ms
Loss rate: 0.29%

Run 1: Report of TCP BBR — Data Link

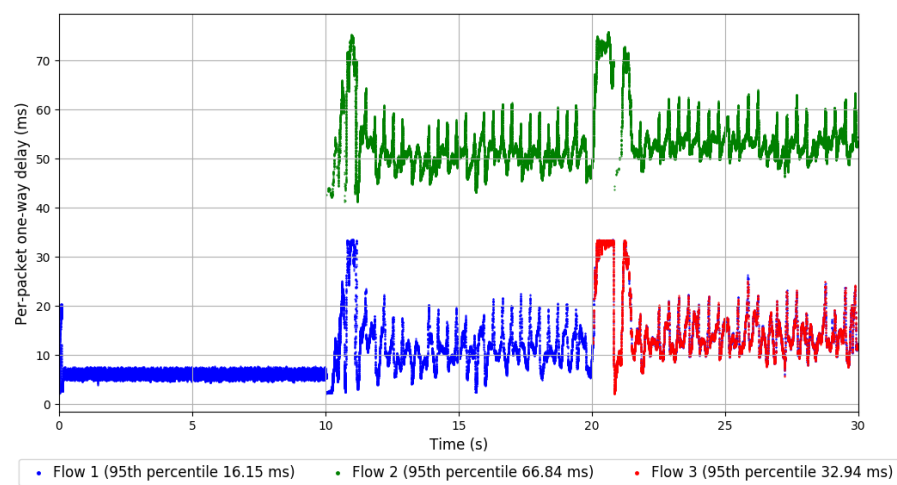
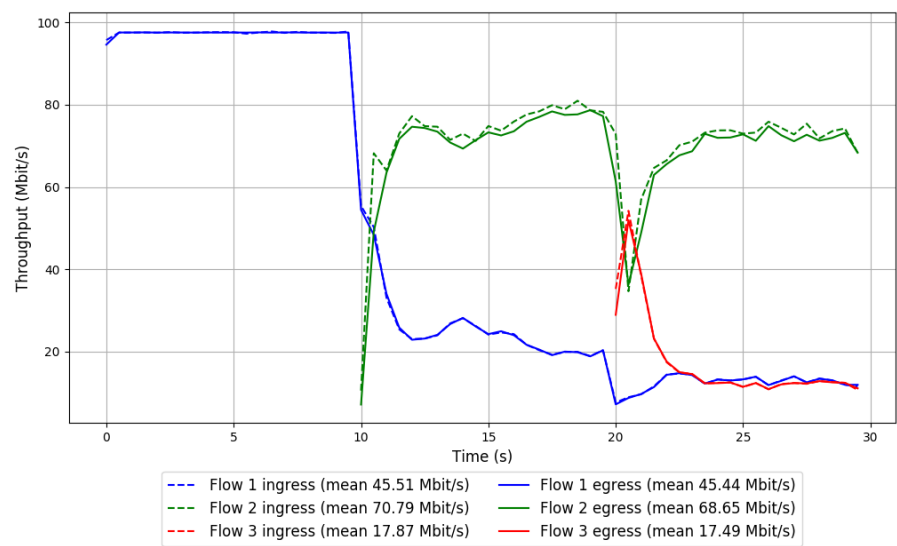


Run 2: Statistics of TCP BBR

Start at: 2018-02-16 14:28:45
End at: 2018-02-16 14:29:15
Local clock offset: -7.796 ms
Remote clock offset: -5.792 ms

Below is generated by plot.py at 2018-02-16 17:53:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 58.701 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 45.44 Mbit/s
95th percentile per-packet one-way delay: 16.154 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 68.65 Mbit/s
95th percentile per-packet one-way delay: 66.843 ms
Loss rate: 3.17%
-- Flow 3:
Average throughput: 17.49 Mbit/s
95th percentile per-packet one-way delay: 32.942 ms
Loss rate: 2.11%

Run 2: Report of TCP BBR — Data Link

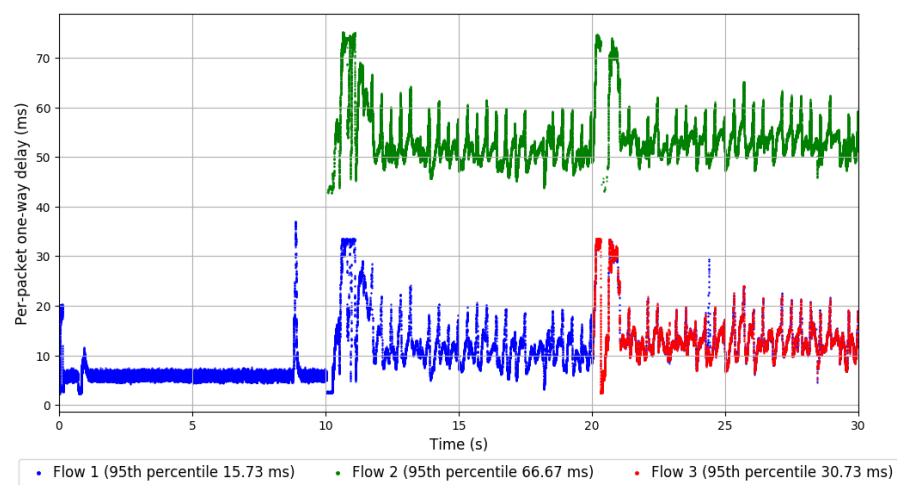
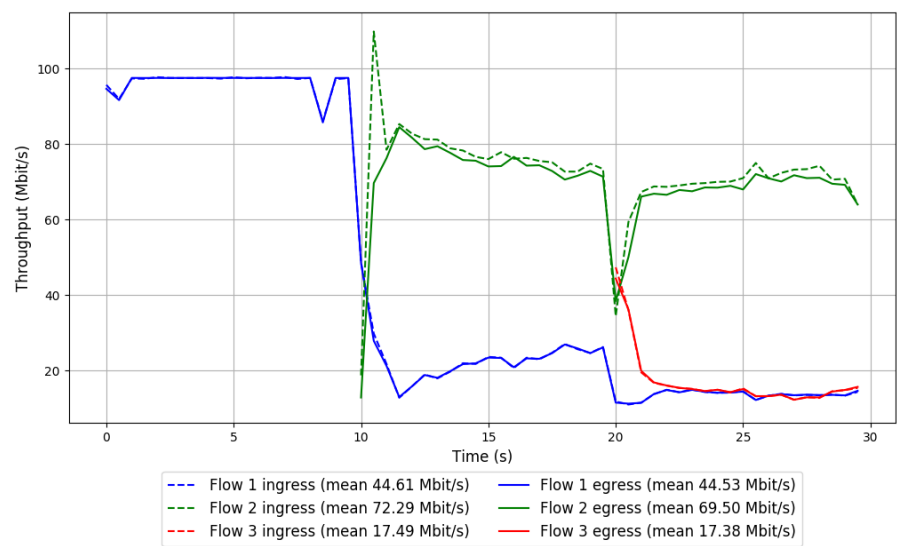


Run 3: Statistics of TCP BBR

Start at: 2018-02-16 14:49:15
End at: 2018-02-16 14:49:45
Local clock offset: -9.064 ms
Remote clock offset: -4.316 ms

Below is generated by plot.py at 2018-02-16 17:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 59.641 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 44.53 Mbit/s
95th percentile per-packet one-way delay: 15.732 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 69.50 Mbit/s
95th percentile per-packet one-way delay: 66.665 ms
Loss rate: 3.90%
-- Flow 3:
Average throughput: 17.38 Mbit/s
95th percentile per-packet one-way delay: 30.732 ms
Loss rate: 0.53%

Run 3: Report of TCP BBR — Data Link

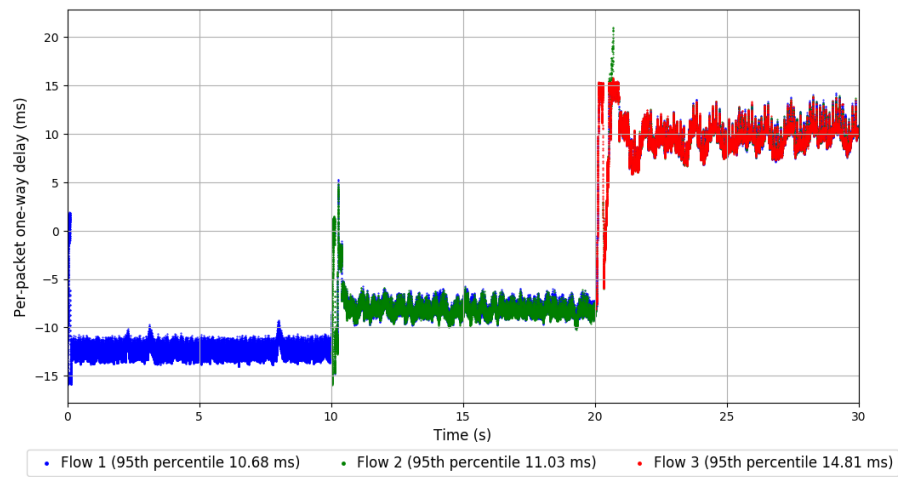
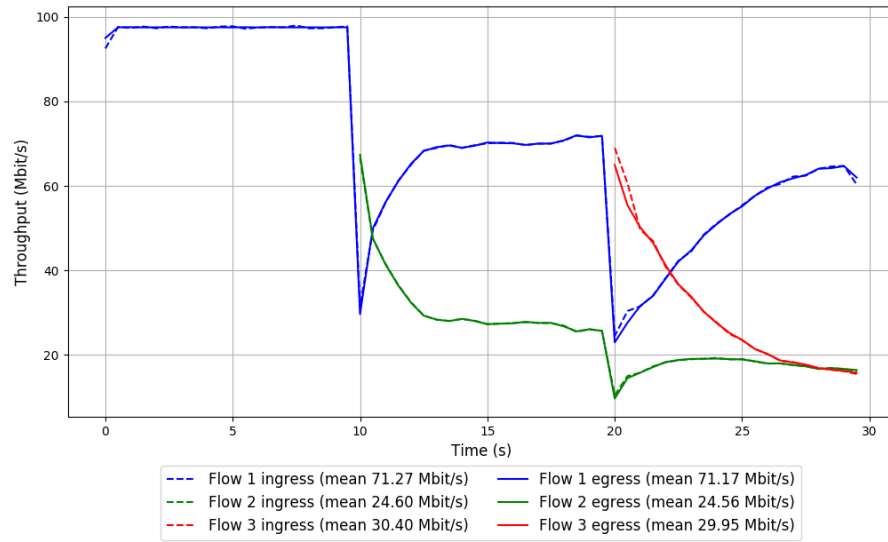


Run 4: Statistics of TCP BBR

Start at: 2018-02-16 15:09:47
End at: 2018-02-16 15:10:17
Local clock offset: -7.166 ms
Remote clock offset: -22.215 ms

Below is generated by plot.py at 2018-02-16 17:53:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 11.132 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 71.17 Mbit/s
95th percentile per-packet one-way delay: 10.680 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 11.025 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 14.811 ms
Loss rate: 1.32%

Run 4: Report of TCP BBR — Data Link

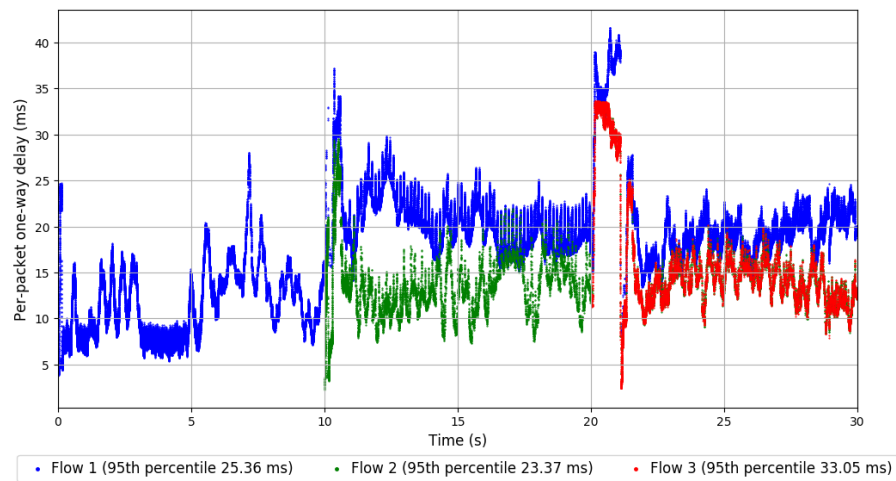
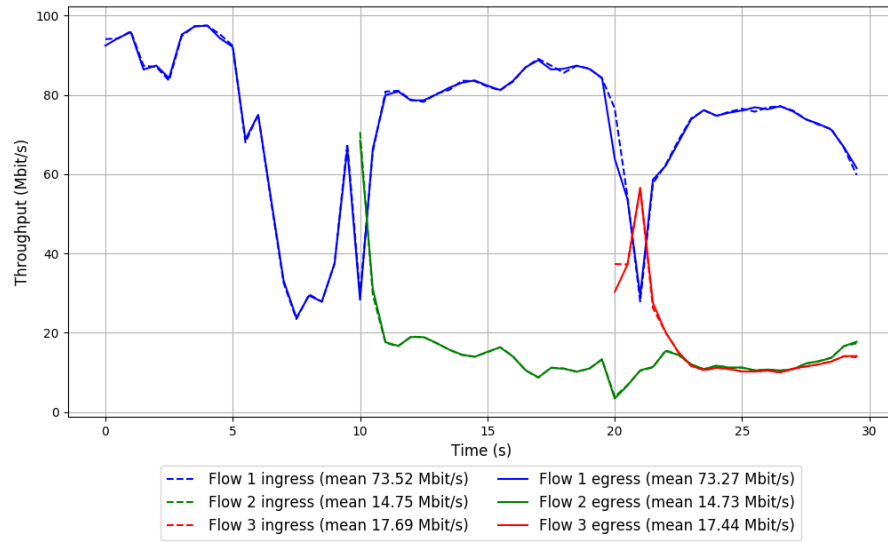


Run 5: Statistics of TCP BBR

Start at: 2018-02-16 15:30:20
End at: 2018-02-16 15:30:50
Local clock offset: -5.123 ms
Remote clock offset: -4.208 ms

Below is generated by plot.py at 2018-02-16 17:53:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.87 Mbit/s
95th percentile per-packet one-way delay: 26.260 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 73.27 Mbit/s
95th percentile per-packet one-way delay: 25.357 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 14.73 Mbit/s
95th percentile per-packet one-way delay: 23.367 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 17.44 Mbit/s
95th percentile per-packet one-way delay: 33.051 ms
Loss rate: 1.39%

Run 5: Report of TCP BBR — Data Link

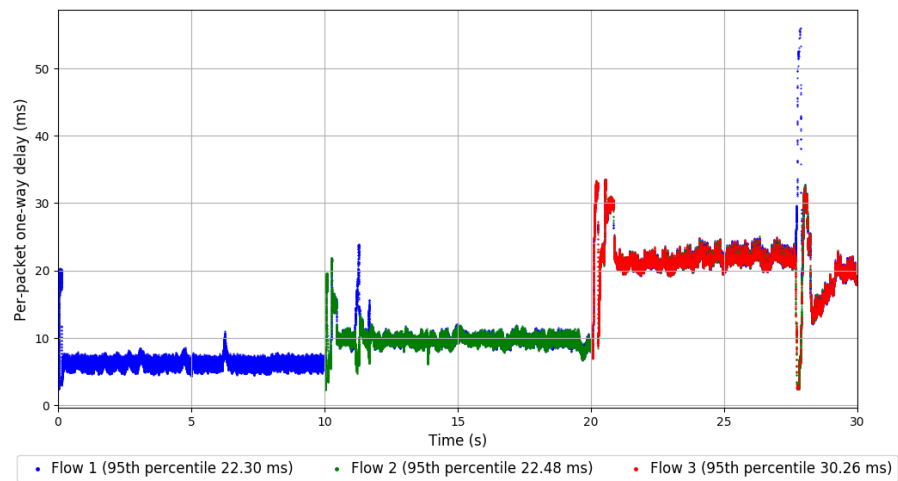
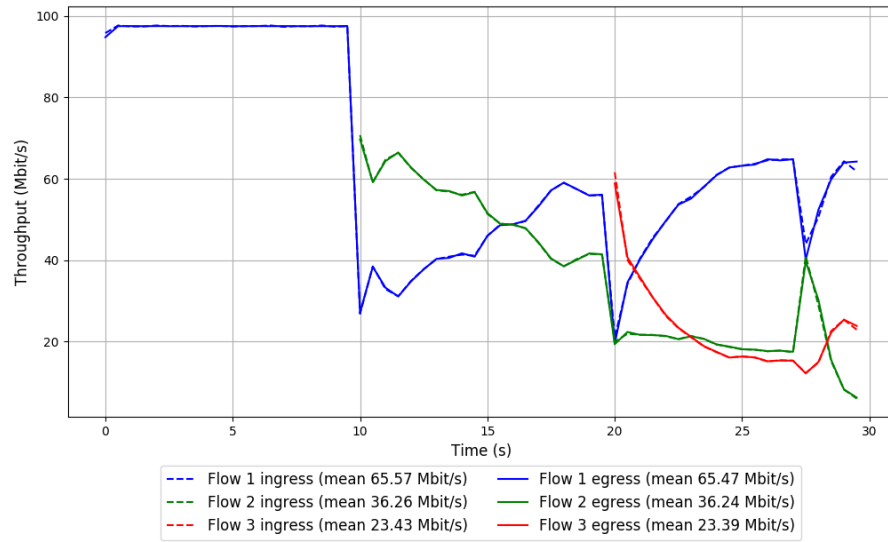


Run 6: Statistics of TCP BBR

Start at: 2018-02-16 15:50:49
End at: 2018-02-16 15:51:19
Local clock offset: -3.223 ms
Remote clock offset: -4.061 ms

Below is generated by plot.py at 2018-02-16 17:53:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 22.668 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 65.47 Mbit/s
95th percentile per-packet one-way delay: 22.297 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.24 Mbit/s
95th percentile per-packet one-way delay: 22.477 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.39 Mbit/s
95th percentile per-packet one-way delay: 30.259 ms
Loss rate: 0.09%

Run 6: Report of TCP BBR — Data Link

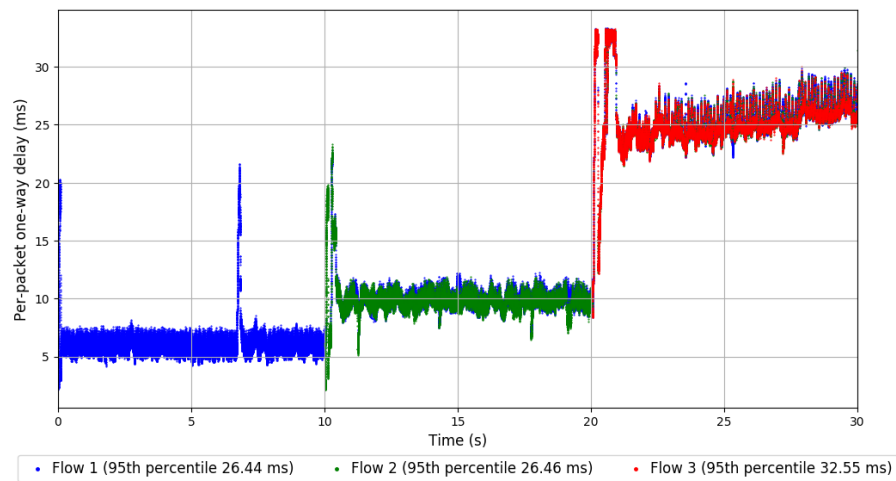
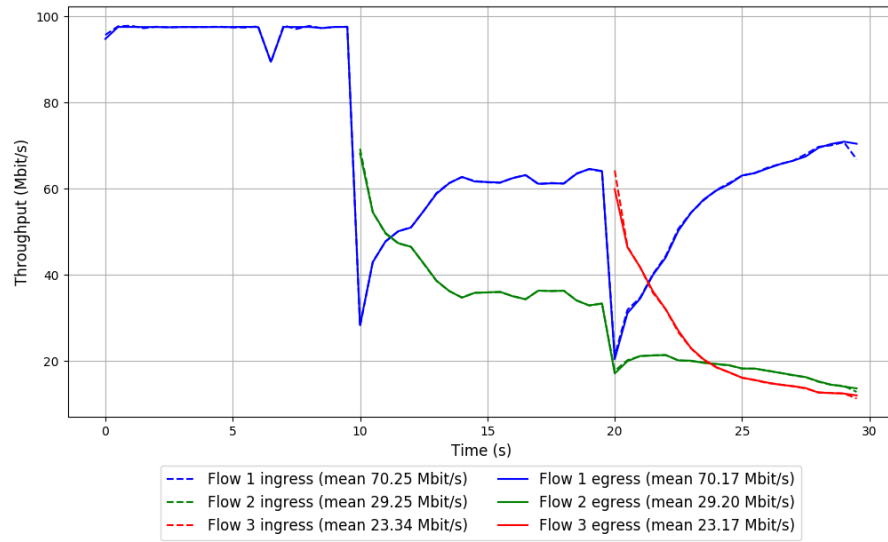


Run 7: Statistics of TCP BBR

Start at: 2018-02-16 16:11:20
End at: 2018-02-16 16:11:50
Local clock offset: -5.847 ms
Remote clock offset: -3.959 ms

Below is generated by plot.py at 2018-02-16 17:53:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 26.724 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 70.17 Mbit/s
95th percentile per-packet one-way delay: 26.441 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 29.20 Mbit/s
95th percentile per-packet one-way delay: 26.461 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 32.551 ms
Loss rate: 0.56%

Run 7: Report of TCP BBR — Data Link

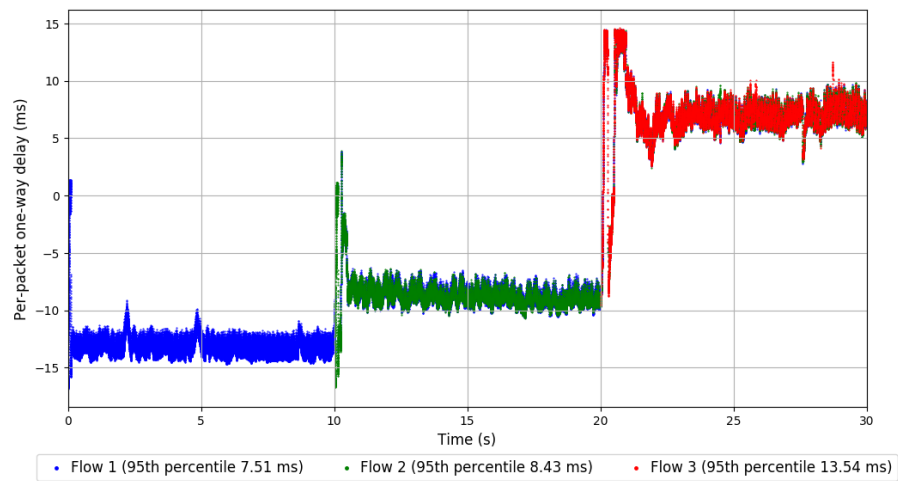
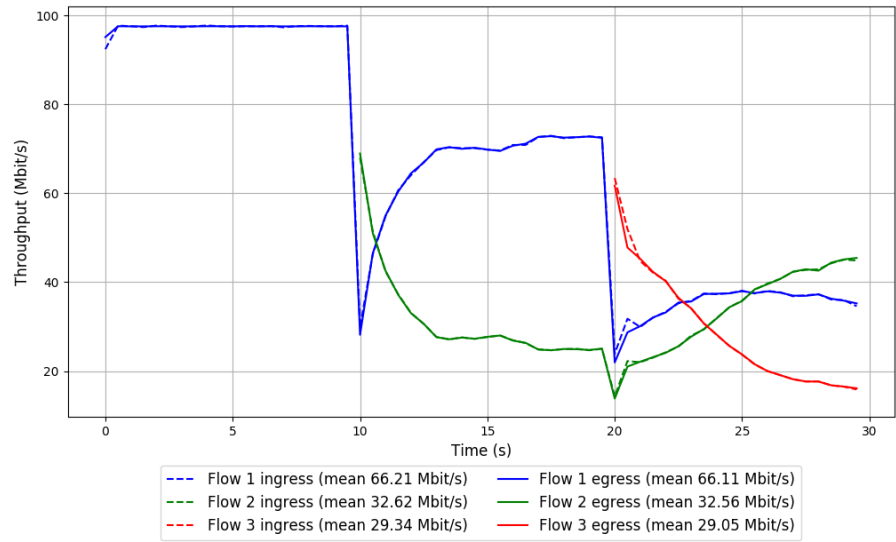


Run 8: Statistics of TCP BBR

Start at: 2018-02-16 16:31:50
End at: 2018-02-16 16:32:20
Local clock offset: -6.665 ms
Remote clock offset: -23.573 ms

Below is generated by plot.py at 2018-02-16 17:53:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 8.246 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 66.11 Mbit/s
95th percentile per-packet one-way delay: 7.509 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 32.56 Mbit/s
95th percentile per-packet one-way delay: 8.427 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 29.05 Mbit/s
95th percentile per-packet one-way delay: 13.541 ms
Loss rate: 0.82%

Run 8: Report of TCP BBR — Data Link

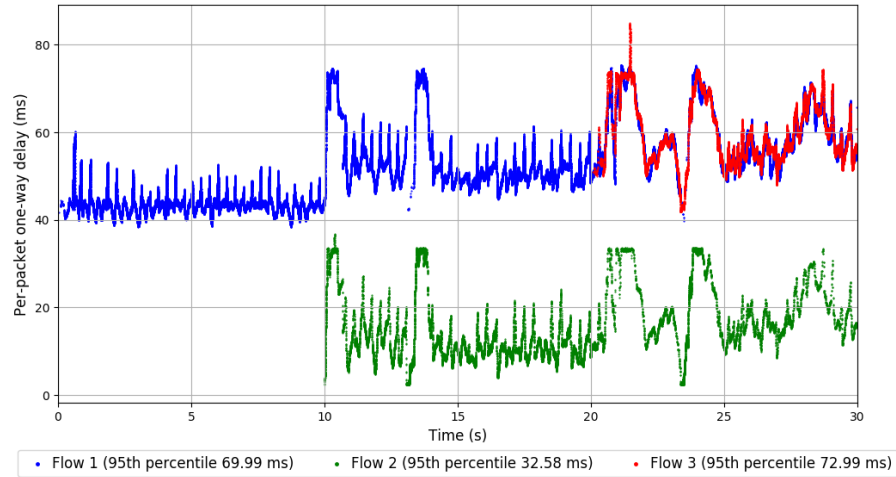
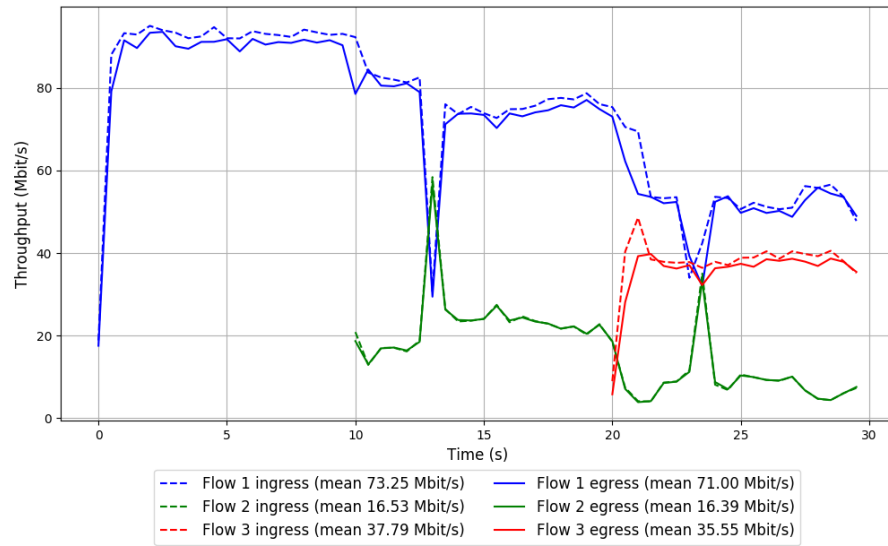


Run 9: Statistics of TCP BBR

Start at: 2018-02-16 16:52:21
End at: 2018-02-16 16:52:51
Local clock offset: -5.969 ms
Remote clock offset: -4.588 ms

Below is generated by plot.py at 2018-02-16 17:54:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 70.427 ms
Loss rate: 3.26%
-- Flow 1:
Average throughput: 71.00 Mbit/s
95th percentile per-packet one-way delay: 69.990 ms
Loss rate: 3.13%
-- Flow 2:
Average throughput: 16.39 Mbit/s
95th percentile per-packet one-way delay: 32.581 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 35.55 Mbit/s
95th percentile per-packet one-way delay: 72.991 ms
Loss rate: 6.20%

Run 9: Report of TCP BBR — Data Link

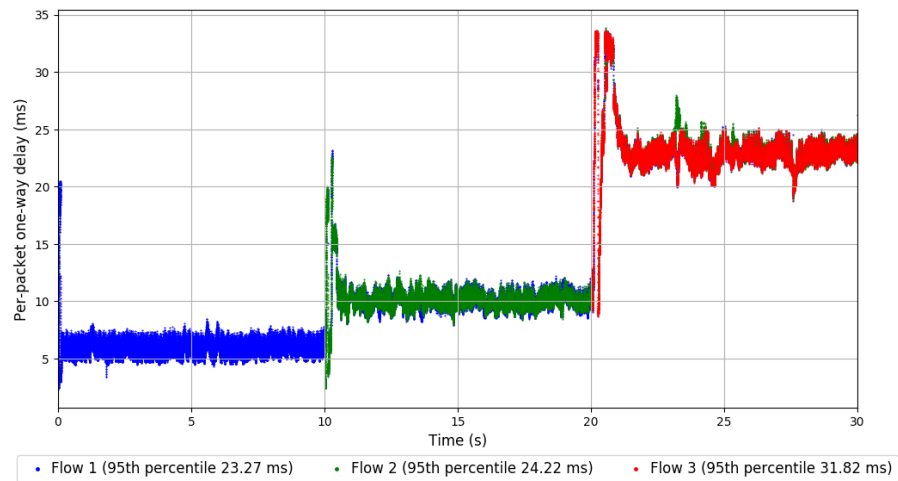
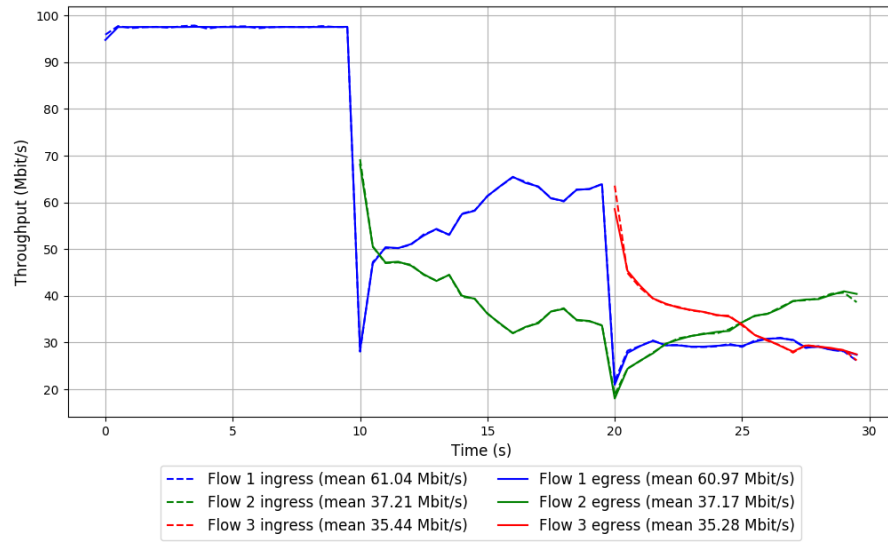


Run 10: Statistics of TCP BBR

Start at: 2018-02-16 17:12:52
End at: 2018-02-16 17:13:22
Local clock offset: -3.644 ms
Remote clock offset: -5.077 ms

Below is generated by plot.py at 2018-02-16 17:54:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 23.996 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 60.97 Mbit/s
95th percentile per-packet one-way delay: 23.267 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.17 Mbit/s
95th percentile per-packet one-way delay: 24.223 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 31.817 ms
Loss rate: 0.33%

Run 10: Report of TCP BBR — Data Link

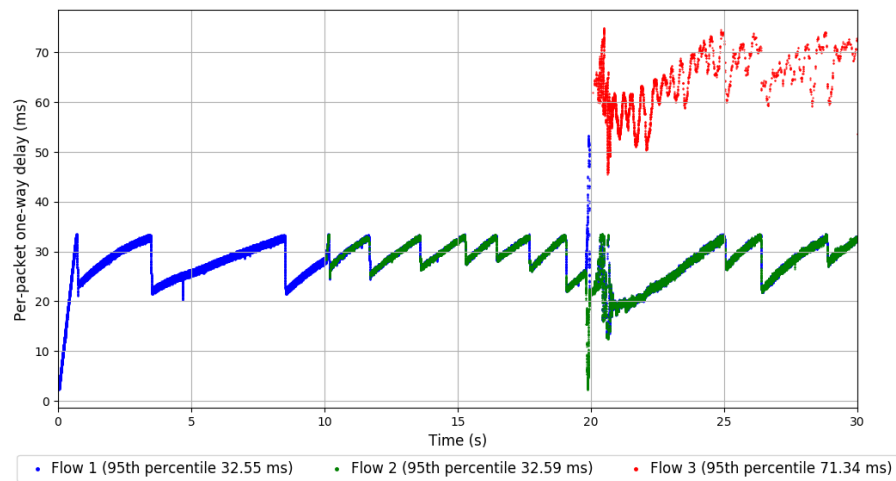
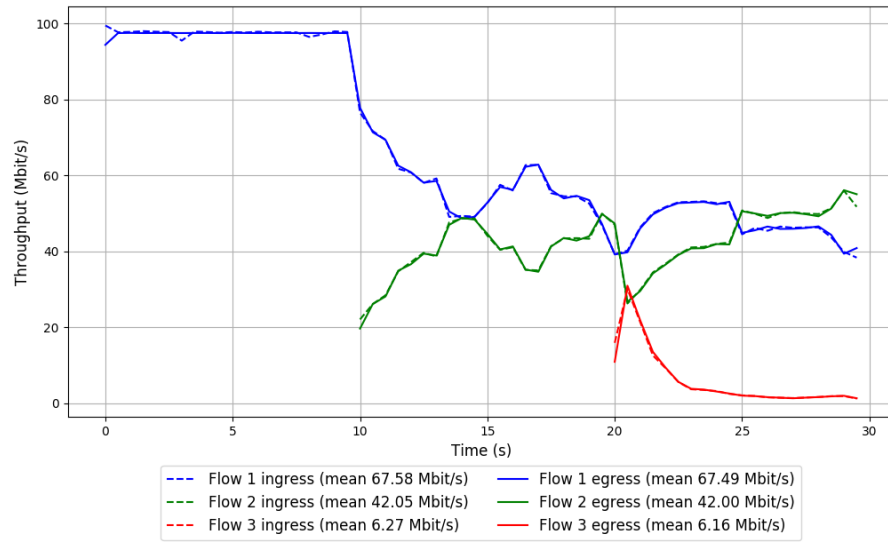


Run 1: Statistics of TCP Cubic

Start at: 2018-02-16 14:05:53
End at: 2018-02-16 14:06:23
Local clock offset: -4.507 ms
Remote clock offset: -5.557 ms

Below is generated by plot.py at 2018-02-16 17:54:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.777 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 67.49 Mbit/s
95th percentile per-packet one-way delay: 32.554 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 42.00 Mbit/s
95th percentile per-packet one-way delay: 32.593 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 6.16 Mbit/s
95th percentile per-packet one-way delay: 71.343 ms
Loss rate: 1.90%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-02-16 14:26:27

End at: 2018-02-16 14:26:57

Local clock offset: -7.5 ms

Remote clock offset: -5.71 ms

Below is generated by plot.py at 2018-02-16 17:54:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 32.662 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 66.85 Mbit/s

95th percentile per-packet one-way delay: 32.602 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 35.26 Mbit/s

95th percentile per-packet one-way delay: 32.704 ms

Loss rate: 0.08%

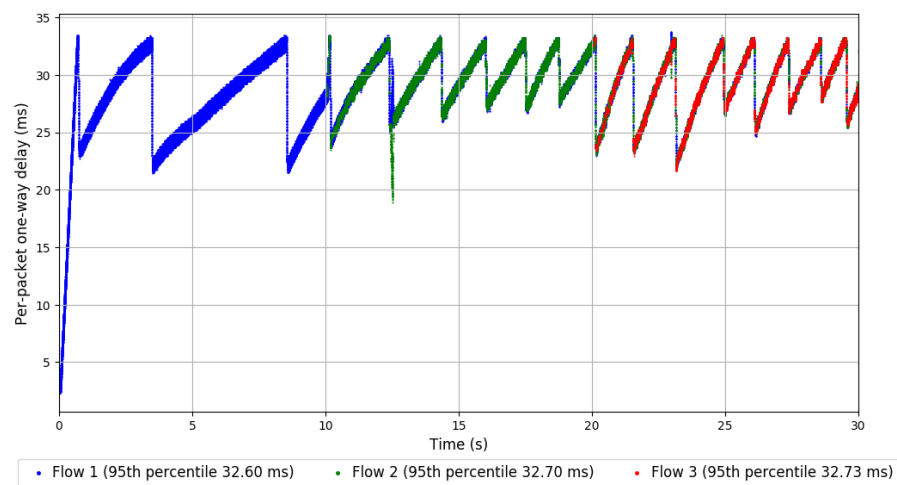
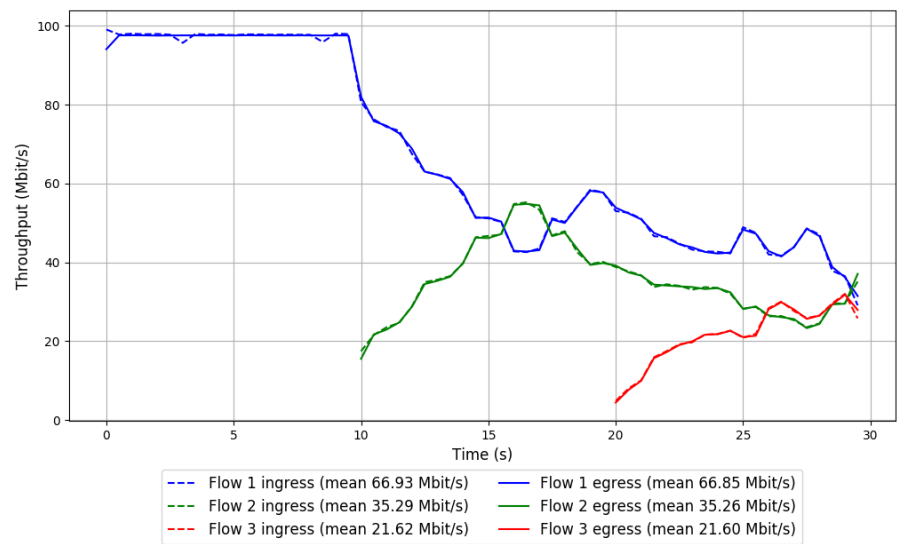
-- Flow 3:

Average throughput: 21.60 Mbit/s

95th percentile per-packet one-way delay: 32.725 ms

Loss rate: 0.07%

Run 2: Report of TCP Cubic — Data Link

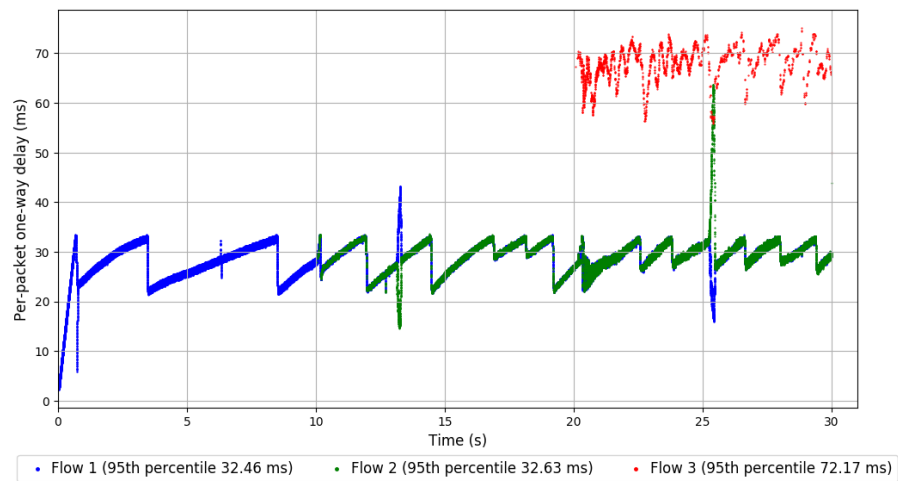
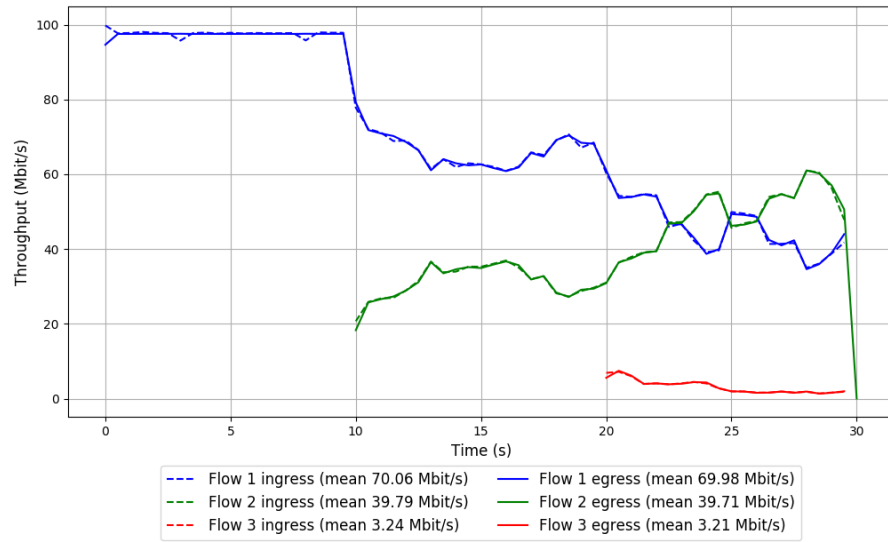


Run 3: Statistics of TCP Cubic

Start at: 2018-02-16 14:46:57
End at: 2018-02-16 14:47:27
Local clock offset: -8.98 ms
Remote clock offset: -4.353 ms

Below is generated by plot.py at 2018-02-16 17:54:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 32.638 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 69.98 Mbit/s
95th percentile per-packet one-way delay: 32.457 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 39.71 Mbit/s
95th percentile per-packet one-way delay: 32.628 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 3.21 Mbit/s
95th percentile per-packet one-way delay: 72.170 ms
Loss rate: 1.15%

Run 3: Report of TCP Cubic — Data Link

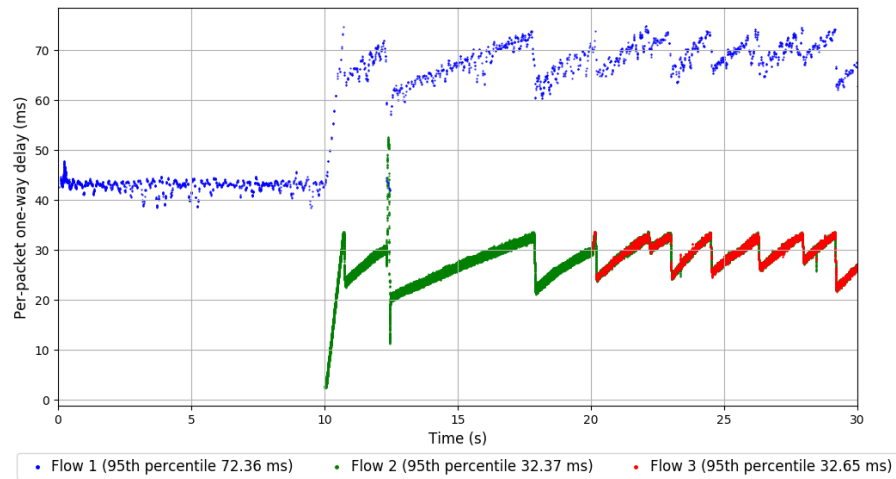
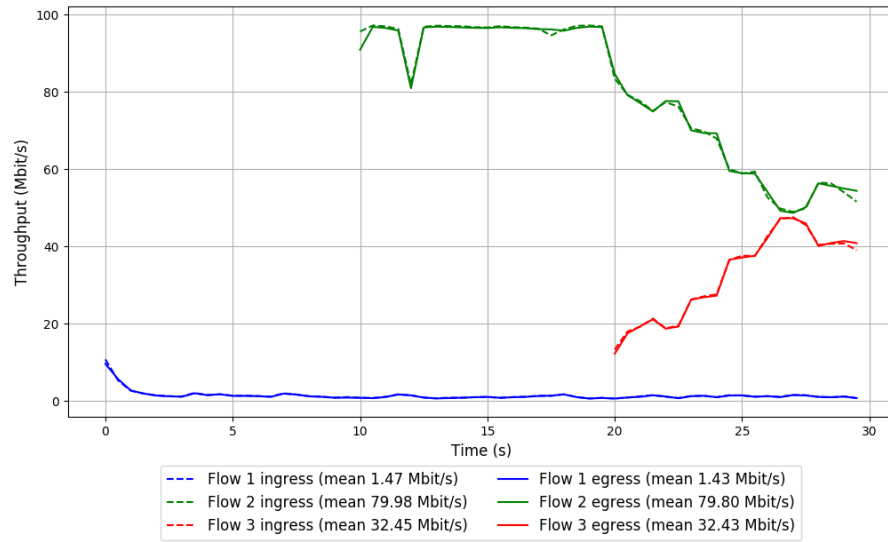


Run 4: Statistics of TCP Cubic

Start at: 2018-02-16 15:07:31
End at: 2018-02-16 15:08:01
Local clock offset: -7.259 ms
Remote clock offset: -3.844 ms

Below is generated by plot.py at 2018-02-16 17:54:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.44 Mbit/s
95th percentile per-packet one-way delay: 32.680 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 72.355 ms
Loss rate: 3.00%
-- Flow 2:
Average throughput: 79.80 Mbit/s
95th percentile per-packet one-way delay: 32.370 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 32.43 Mbit/s
95th percentile per-packet one-way delay: 32.653 ms
Loss rate: 0.10%

Run 4: Report of TCP Cubic — Data Link

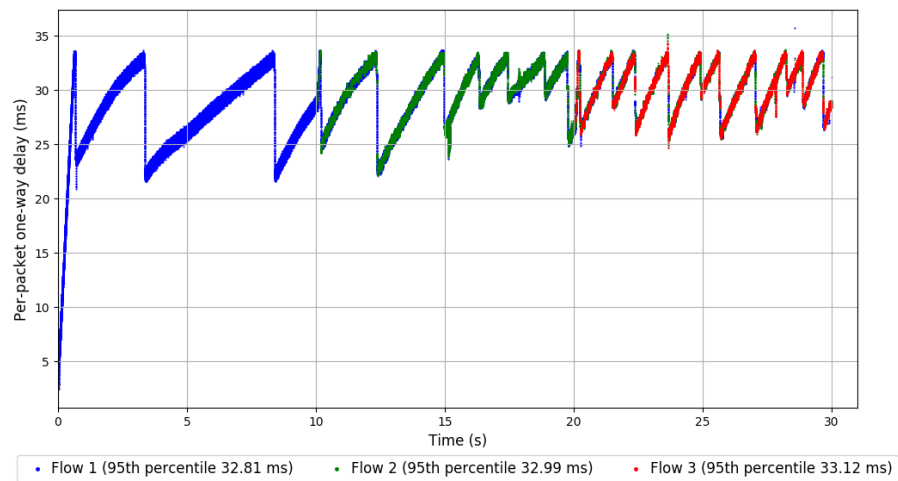
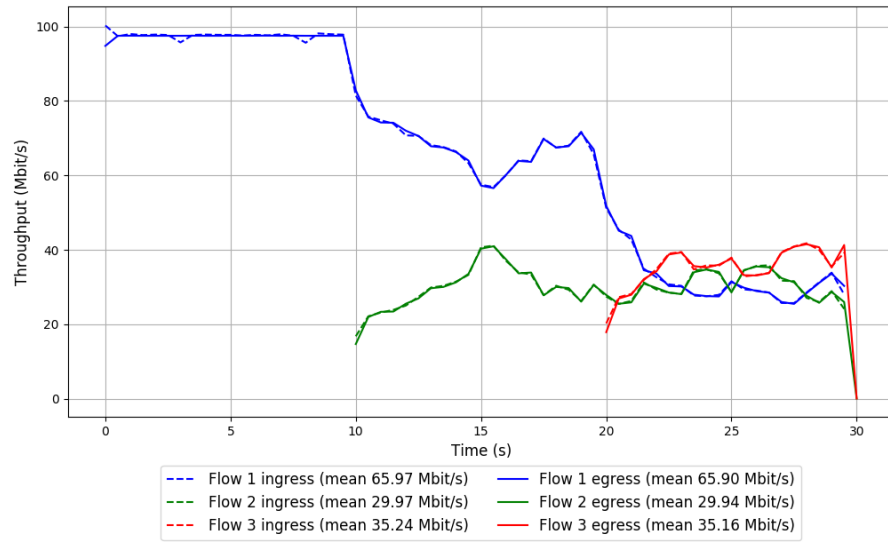


Run 5: Statistics of TCP Cubic

Start at: 2018-02-16 15:28:02
End at: 2018-02-16 15:28:32
Local clock offset: -5.575 ms
Remote clock offset: -4.208 ms

Below is generated by plot.py at 2018-02-16 17:54:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.902 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 65.90 Mbit/s
95th percentile per-packet one-way delay: 32.812 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 29.94 Mbit/s
95th percentile per-packet one-way delay: 32.990 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 35.16 Mbit/s
95th percentile per-packet one-way delay: 33.123 ms
Loss rate: 0.16%

Run 5: Report of TCP Cubic — Data Link

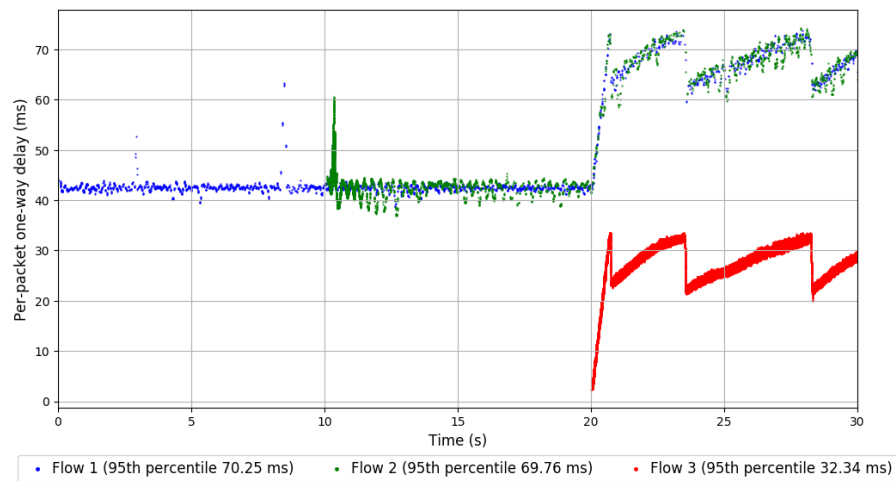
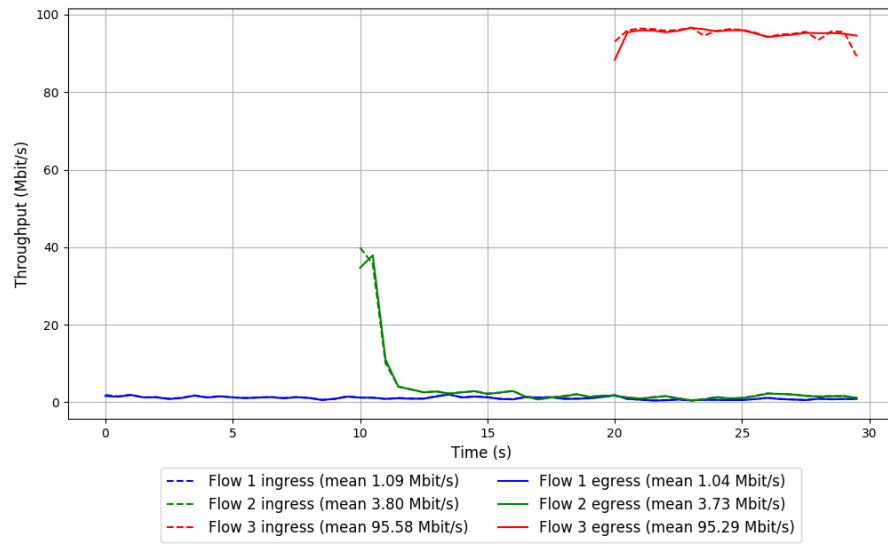


Run 6: Statistics of TCP Cubic

Start at: 2018-02-16 15:48:34
End at: 2018-02-16 15:49:04
Local clock offset: -3.371 ms
Remote clock offset: -4.096 ms

Below is generated by plot.py at 2018-02-16 17:54:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.26 Mbit/s
95th percentile per-packet one-way delay: 43.011 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 70.251 ms
Loss rate: 4.15%
-- Flow 2:
Average throughput: 3.73 Mbit/s
95th percentile per-packet one-way delay: 69.764 ms
Loss rate: 1.96%
-- Flow 3:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 32.343 ms
Loss rate: 0.03%

Run 6: Report of TCP Cubic — Data Link

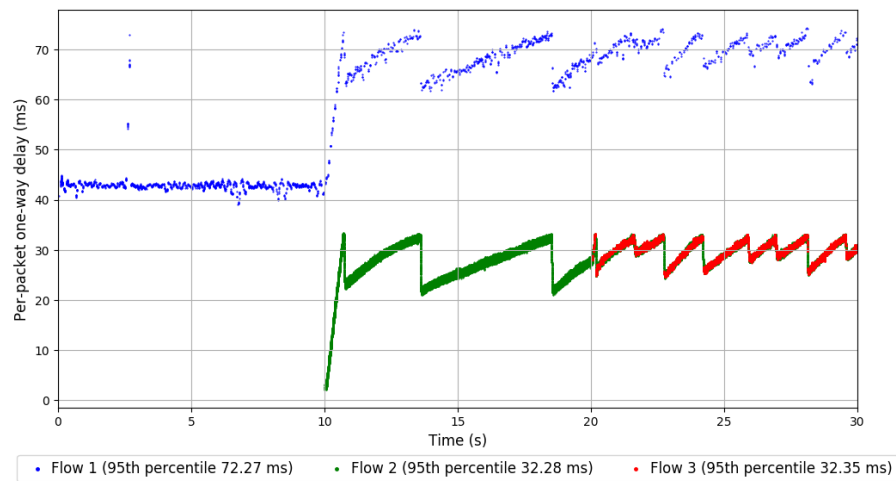
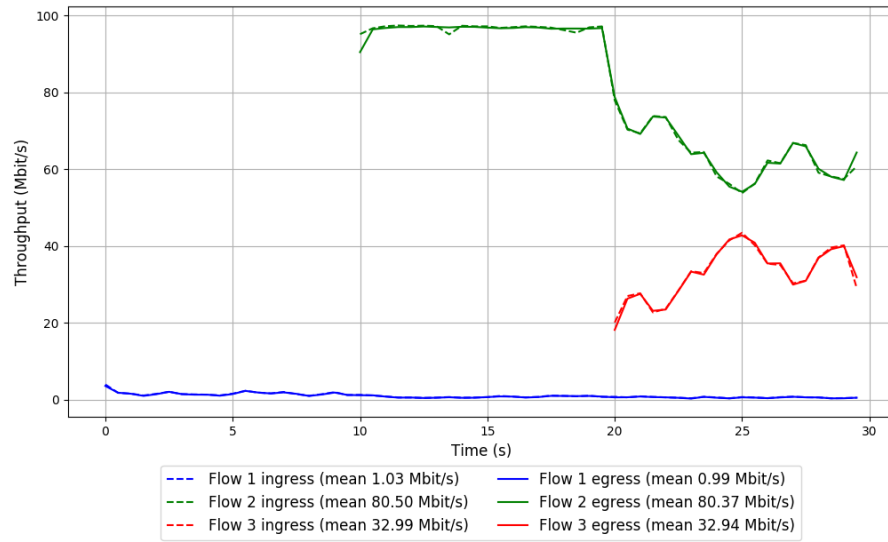


Run 7: Statistics of TCP Cubic

Start at: 2018-02-16 16:09:03
End at: 2018-02-16 16:09:33
Local clock offset: -5.628 ms
Remote clock offset: -3.991 ms

Below is generated by plot.py at 2018-02-16 17:54:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.55 Mbit/s
95th percentile per-packet one-way delay: 32.462 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 72.268 ms
Loss rate: 3.80%
-- Flow 2:
Average throughput: 80.37 Mbit/s
95th percentile per-packet one-way delay: 32.280 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 32.94 Mbit/s
95th percentile per-packet one-way delay: 32.352 ms
Loss rate: 0.14%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-02-16 16:29:33

End at: 2018-02-16 16:30:03

Local clock offset: -6.672 ms

Remote clock offset: -4.47 ms

Below is generated by plot.py at 2018-02-16 17:54:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.63 Mbit/s

95th percentile per-packet one-way delay: 32.525 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 72.191 ms

Loss rate: 3.92%

-- Flow 2:

Average throughput: 77.76 Mbit/s

95th percentile per-packet one-way delay: 32.293 ms

Loss rate: 0.03%

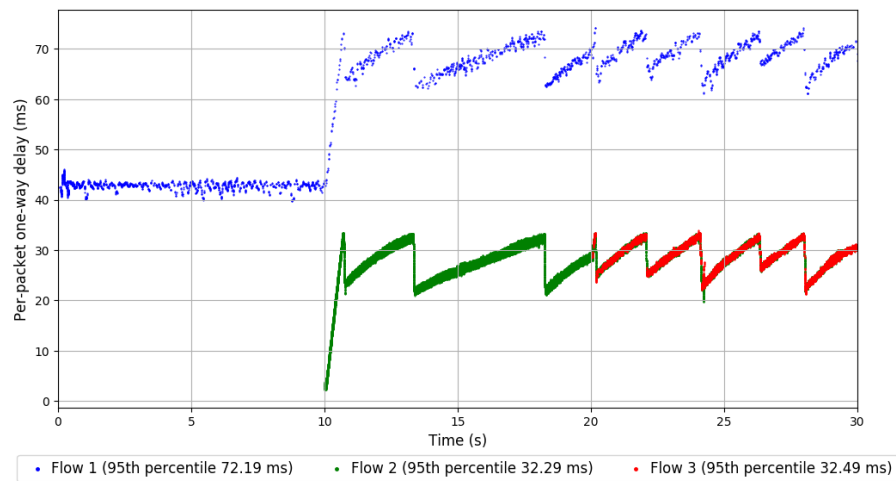
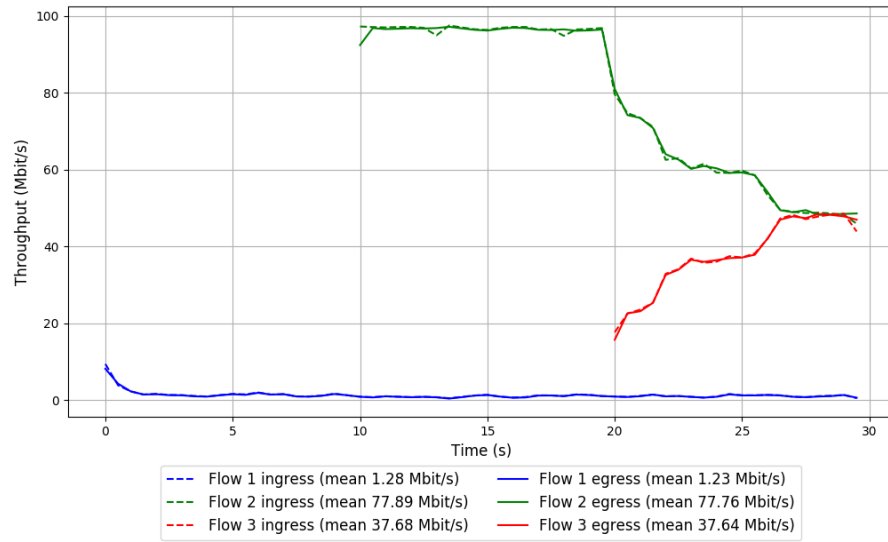
-- Flow 3:

Average throughput: 37.64 Mbit/s

95th percentile per-packet one-way delay: 32.495 ms

Loss rate: 0.10%

Run 8: Report of TCP Cubic — Data Link

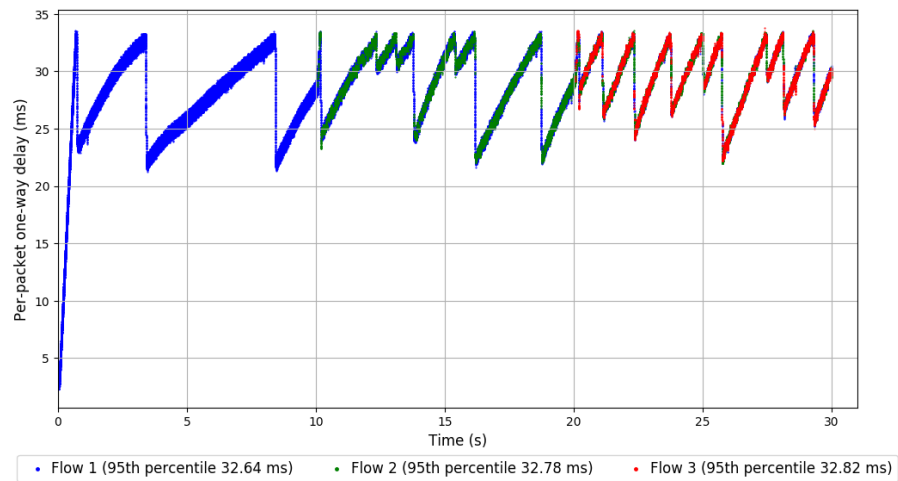
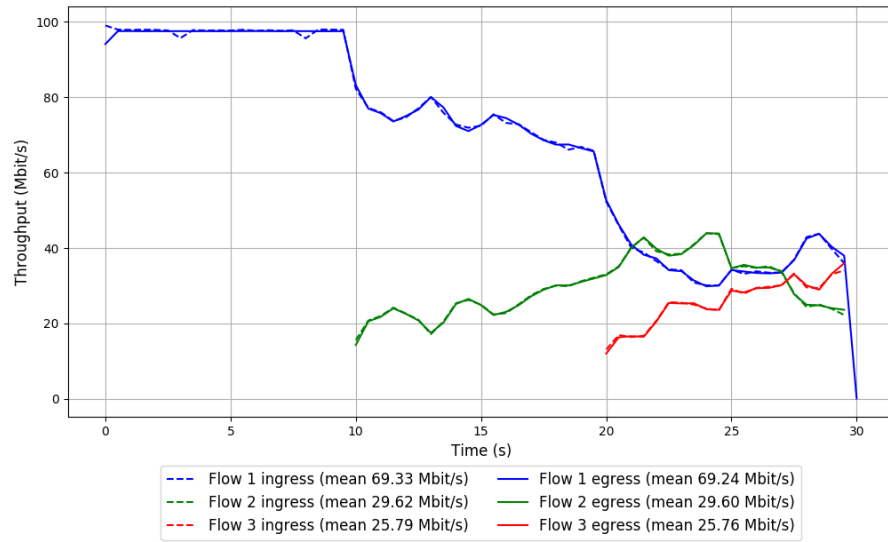


Run 9: Statistics of TCP Cubic

Start at: 2018-02-16 16:50:03
End at: 2018-02-16 16:50:33
Local clock offset: -5.912 ms
Remote clock offset: -4.505 ms

Below is generated by plot.py at 2018-02-16 17:55:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.722 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 69.24 Mbit/s
95th percentile per-packet one-way delay: 32.638 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 29.60 Mbit/s
95th percentile per-packet one-way delay: 32.785 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 25.76 Mbit/s
95th percentile per-packet one-way delay: 32.818 ms
Loss rate: 0.11%

Run 9: Report of TCP Cubic — Data Link

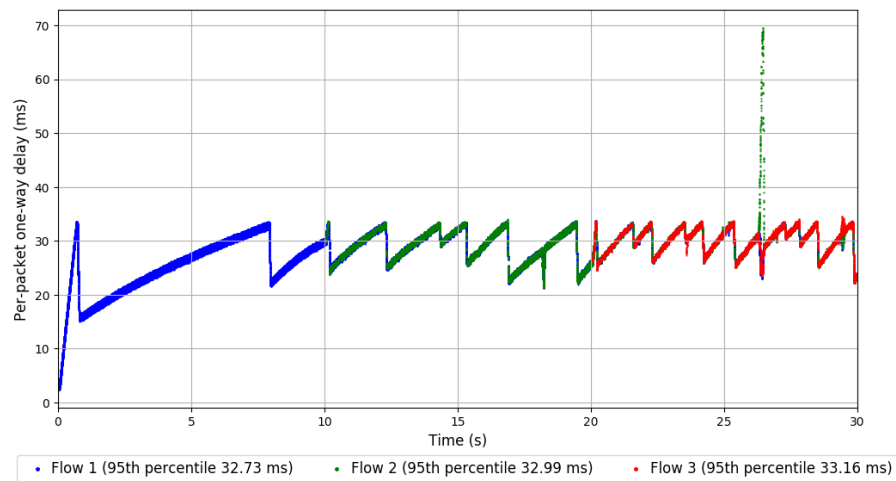
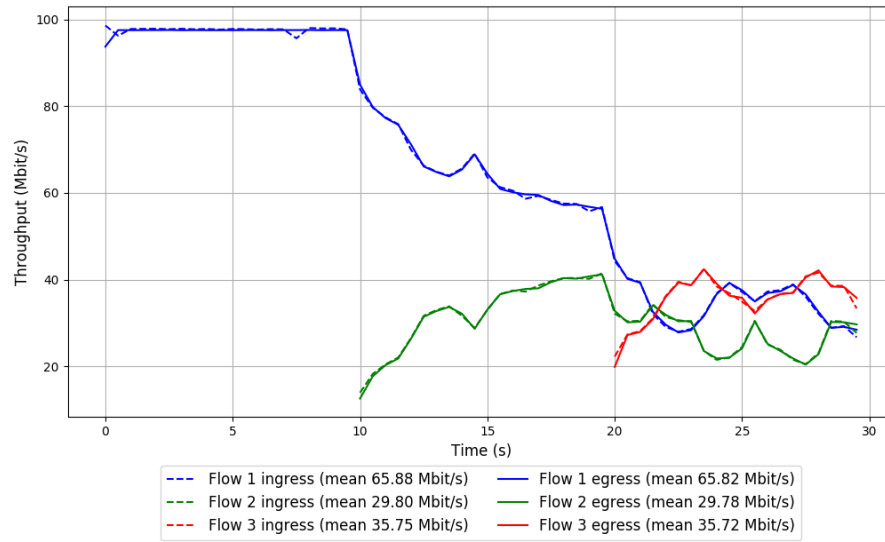


Run 10: Statistics of TCP Cubic

Start at: 2018-02-16 17:10:35
End at: 2018-02-16 17:11:05
Local clock offset: -4.181 ms
Remote clock offset: -4.987 ms

Below is generated by plot.py at 2018-02-16 17:55:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.911 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 65.82 Mbit/s
95th percentile per-packet one-way delay: 32.732 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 29.78 Mbit/s
95th percentile per-packet one-way delay: 32.989 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 35.72 Mbit/s
95th percentile per-packet one-way delay: 33.159 ms
Loss rate: 0.12%

Run 10: Report of TCP Cubic — Data Link

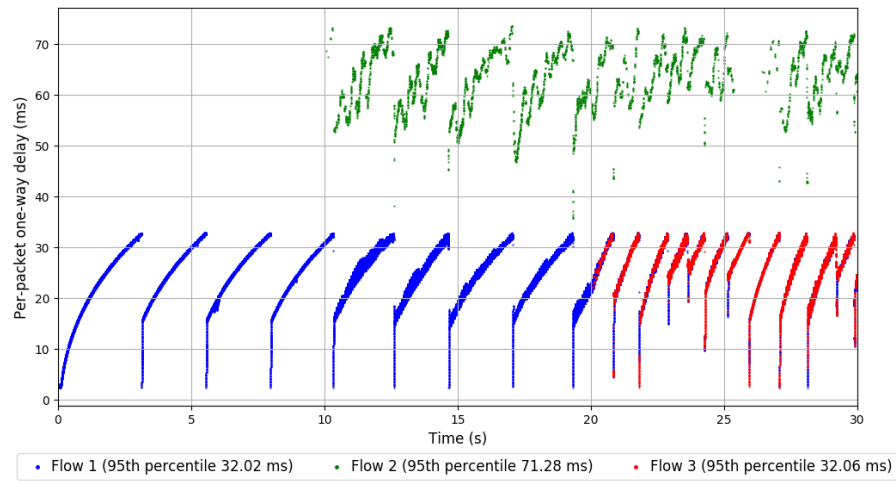
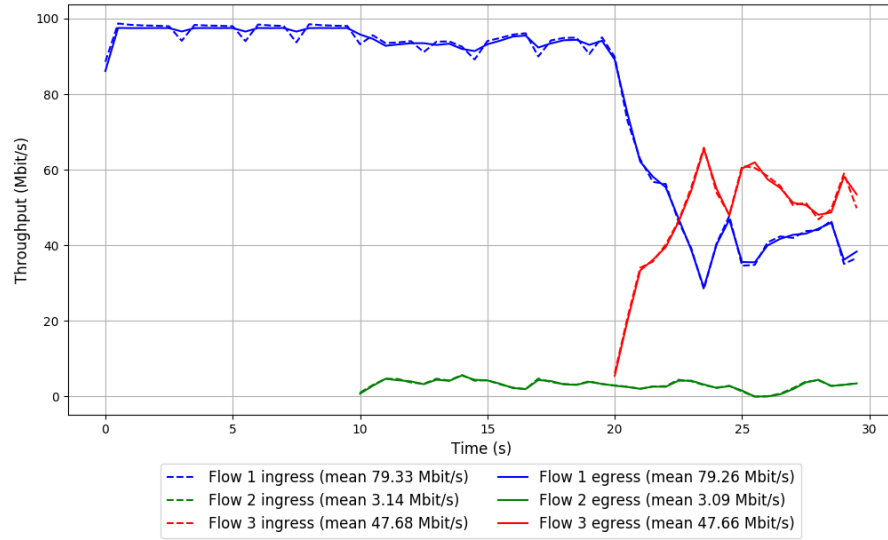


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-16 14:03:35
End at: 2018-02-16 14:04:05
Local clock offset: -4.681 ms
Remote clock offset: -5.555 ms

# Below is generated by plot.py at 2018-02-16 17:55:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 32.312 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 79.26 Mbit/s
95th percentile per-packet one-way delay: 32.019 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 71.281 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 47.66 Mbit/s
95th percentile per-packet one-way delay: 32.056 ms
Loss rate: 0.03%
```


Run 1: Report of LEDBAT — Data Link

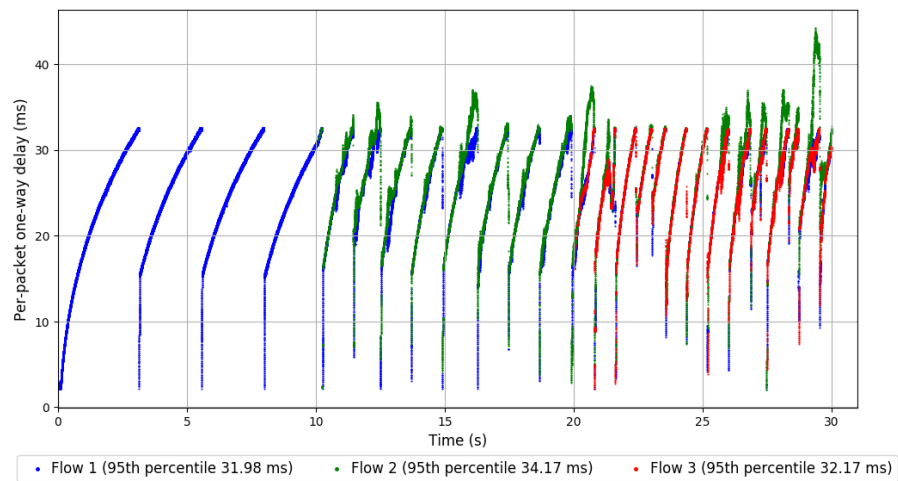
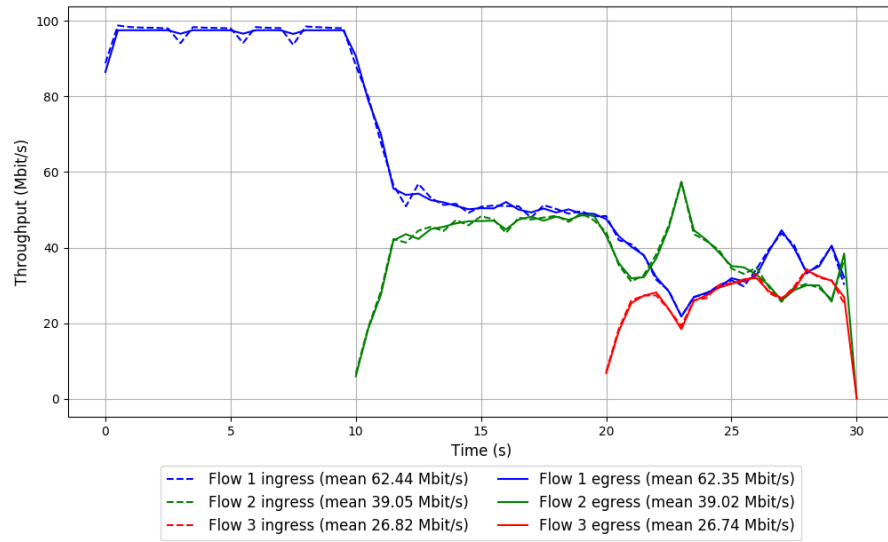


Run 2: Statistics of LEDBAT

Start at: 2018-02-16 14:24:08
End at: 2018-02-16 14:24:38
Local clock offset: -7.05 ms
Remote clock offset: -5.754 ms

Below is generated by plot.py at 2018-02-16 17:55:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 32.271 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 62.35 Mbit/s
95th percentile per-packet one-way delay: 31.982 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 39.02 Mbit/s
95th percentile per-packet one-way delay: 34.168 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 26.74 Mbit/s
95th percentile per-packet one-way delay: 32.170 ms
Loss rate: 0.13%

Run 2: Report of LEDBAT — Data Link

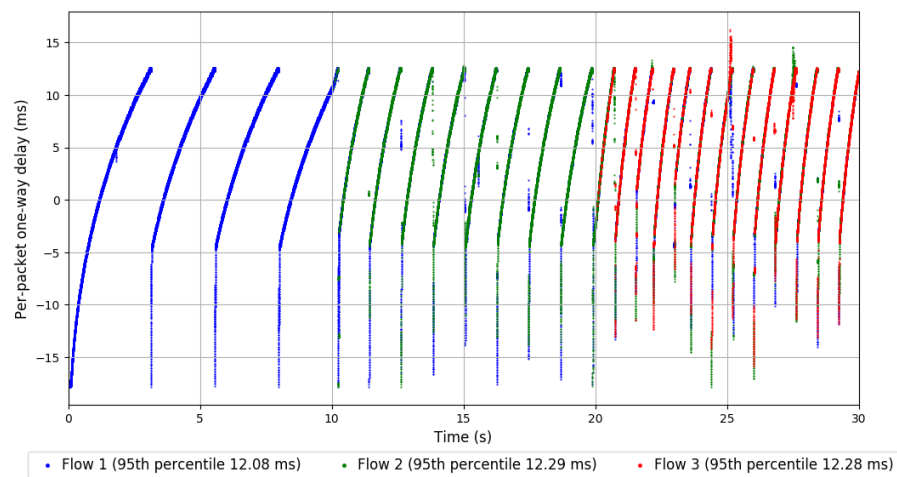
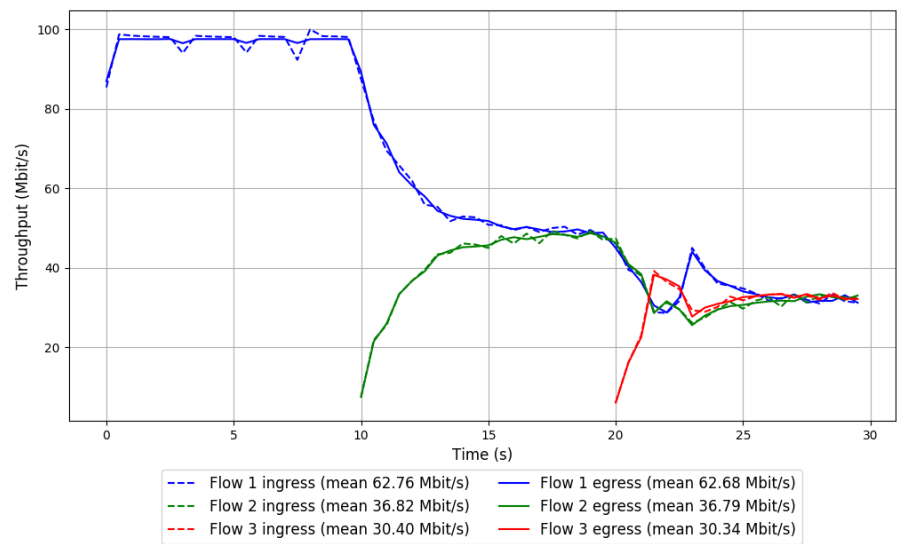


Run 3: Statistics of LEDBAT

Start at: 2018-02-16 14:44:39
End at: 2018-02-16 14:45:09
Local clock offset: -8.894 ms
Remote clock offset: -24.548 ms

Below is generated by plot.py at 2018-02-16 17:55:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 12.128 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 62.68 Mbit/s
95th percentile per-packet one-way delay: 12.080 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 36.79 Mbit/s
95th percentile per-packet one-way delay: 12.292 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 30.34 Mbit/s
95th percentile per-packet one-way delay: 12.281 ms
Loss rate: 0.08%

Run 3: Report of LEDBAT — Data Link

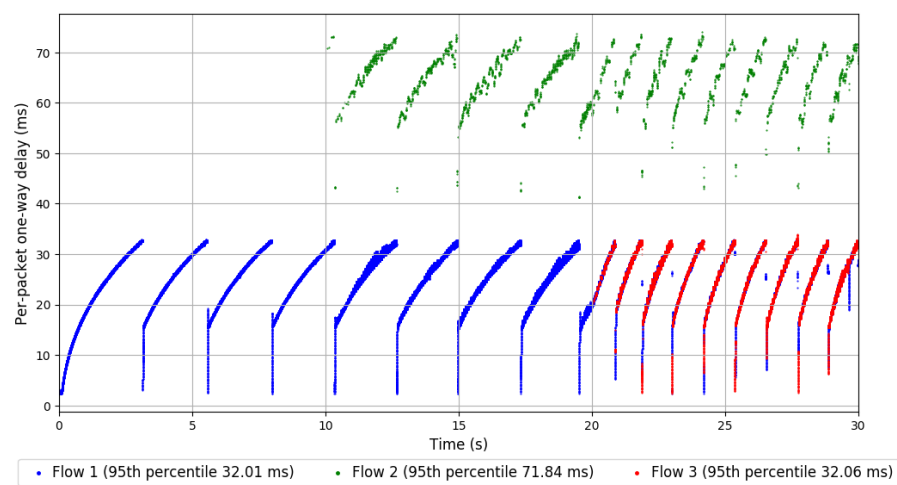
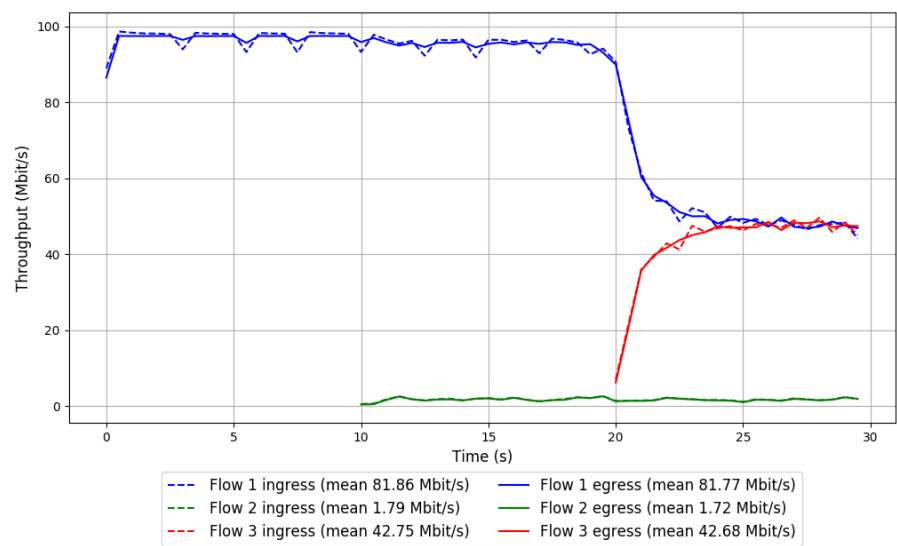


Run 4: Statistics of LEDBAT

Start at: 2018-02-16 15:05:11
End at: 2018-02-16 15:05:41
Local clock offset: -7.324 ms
Remote clock offset: -3.856 ms

Below is generated by plot.py at 2018-02-16 17:55:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.07 Mbit/s
95th percentile per-packet one-way delay: 32.146 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 81.77 Mbit/s
95th percentile per-packet one-way delay: 32.011 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 1.72 Mbit/s
95th percentile per-packet one-way delay: 71.844 ms
Loss rate: 4.05%
-- Flow 3:
Average throughput: 42.68 Mbit/s
95th percentile per-packet one-way delay: 32.061 ms
Loss rate: 0.05%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-02-16 15:25:43

End at: 2018-02-16 15:26:13

Local clock offset: -6.121 ms

Remote clock offset: -4.3 ms

Below is generated by plot.py at 2018-02-16 17:55:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.16 Mbit/s

95th percentile per-packet one-way delay: 32.391 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 61.62 Mbit/s

95th percentile per-packet one-way delay: 32.311 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 38.24 Mbit/s

95th percentile per-packet one-way delay: 32.522 ms

Loss rate: 0.06%

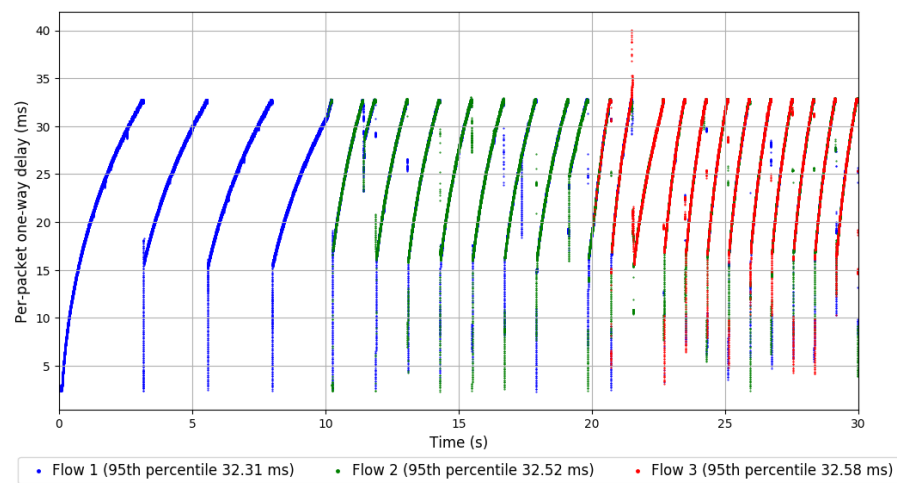
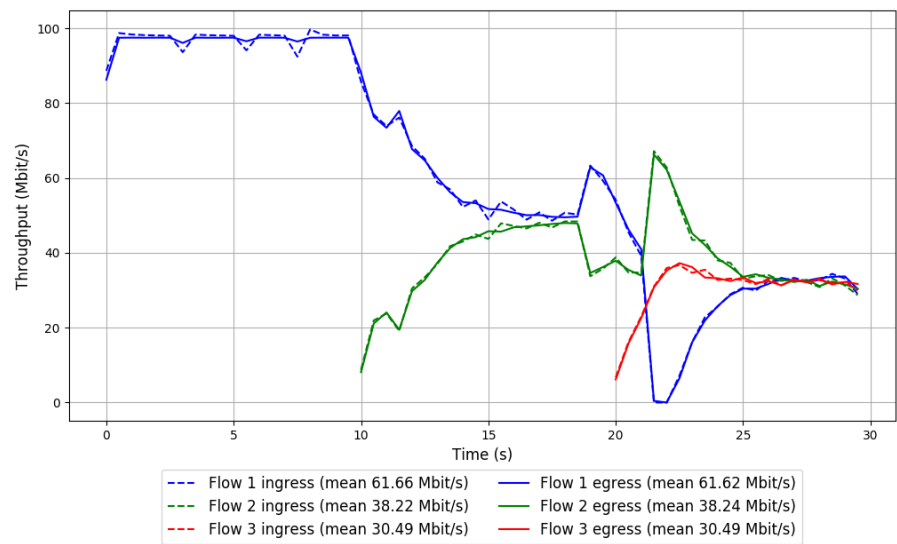
-- Flow 3:

Average throughput: 30.49 Mbit/s

95th percentile per-packet one-way delay: 32.584 ms

Loss rate: 0.07%

Run 5: Report of LEDBAT — Data Link

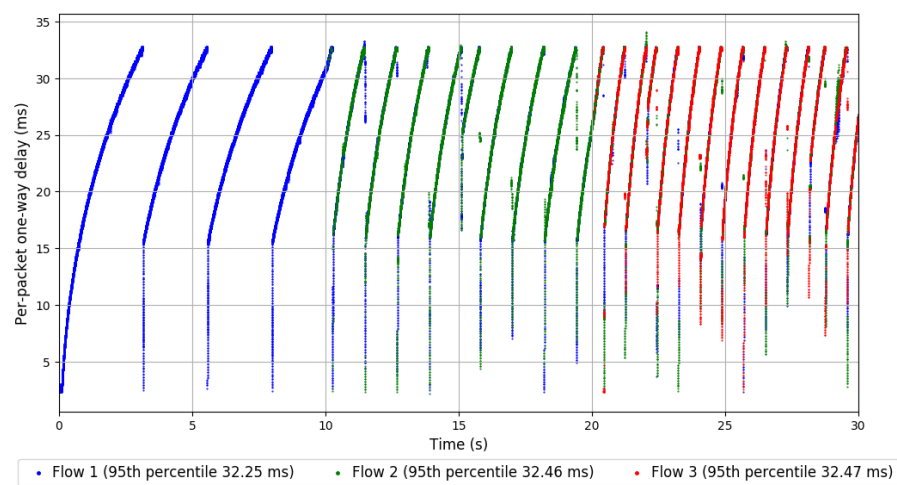
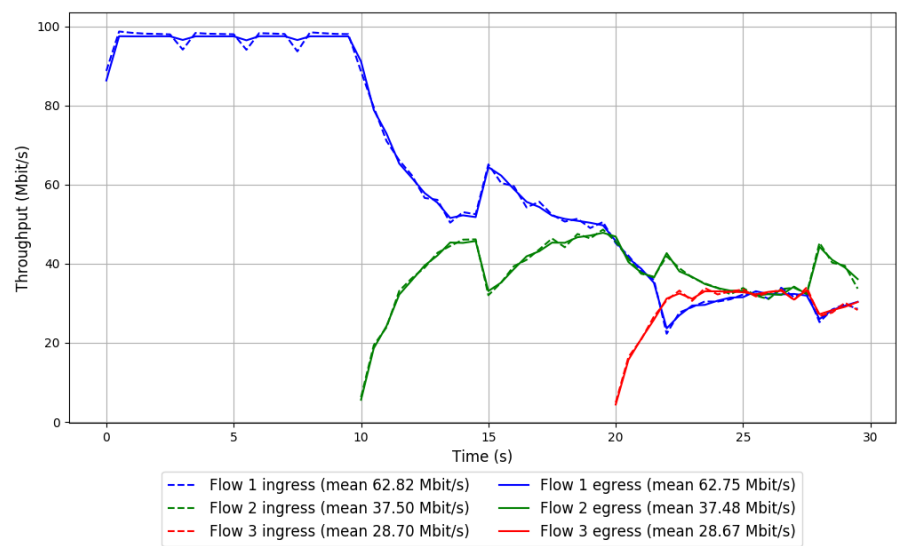


Run 6: Statistics of LEDBAT

Start at: 2018-02-16 15:46:16
End at: 2018-02-16 15:46:46
Local clock offset: -3.492 ms
Remote clock offset: -4.127 ms

Below is generated by plot.py at 2018-02-16 17:56:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 32.288 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 62.75 Mbit/s
95th percentile per-packet one-way delay: 32.247 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.48 Mbit/s
95th percentile per-packet one-way delay: 32.459 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 28.67 Mbit/s
95th percentile per-packet one-way delay: 32.473 ms
Loss rate: 0.09%

Run 6: Report of LEDBAT — Data Link

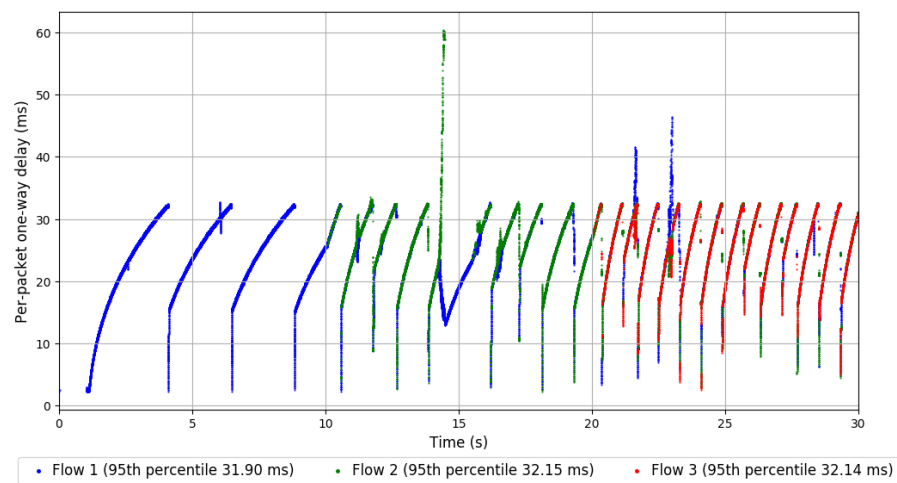
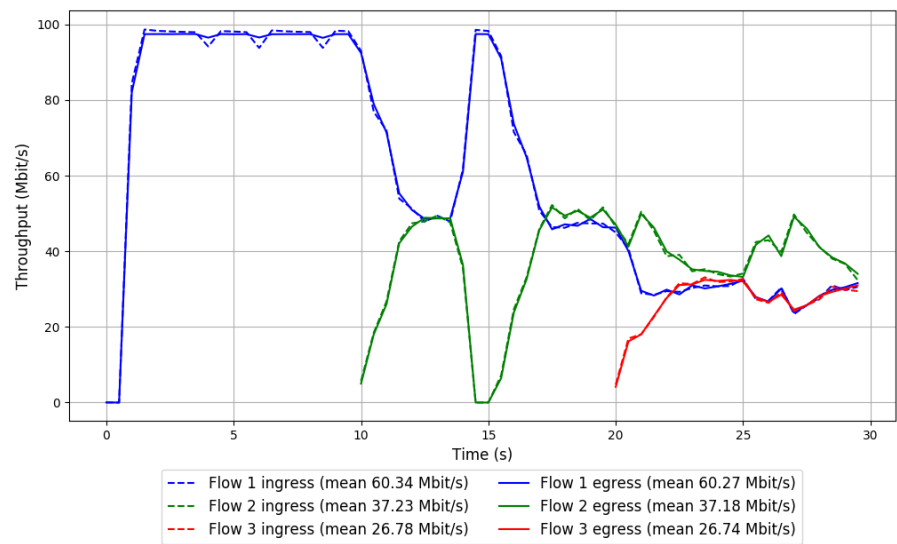


Run 7: Statistics of LEDBAT

Start at: 2018-02-16 16:06:45
End at: 2018-02-16 16:07:15
Local clock offset: -5.355 ms
Remote clock offset: -3.927 ms

Below is generated by plot.py at 2018-02-16 17:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.89 Mbit/s
95th percentile per-packet one-way delay: 32.084 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 60.27 Mbit/s
95th percentile per-packet one-way delay: 31.904 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.18 Mbit/s
95th percentile per-packet one-way delay: 32.150 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 26.74 Mbit/s
95th percentile per-packet one-way delay: 32.142 ms
Loss rate: 0.12%

Run 7: Report of LEDBAT — Data Link

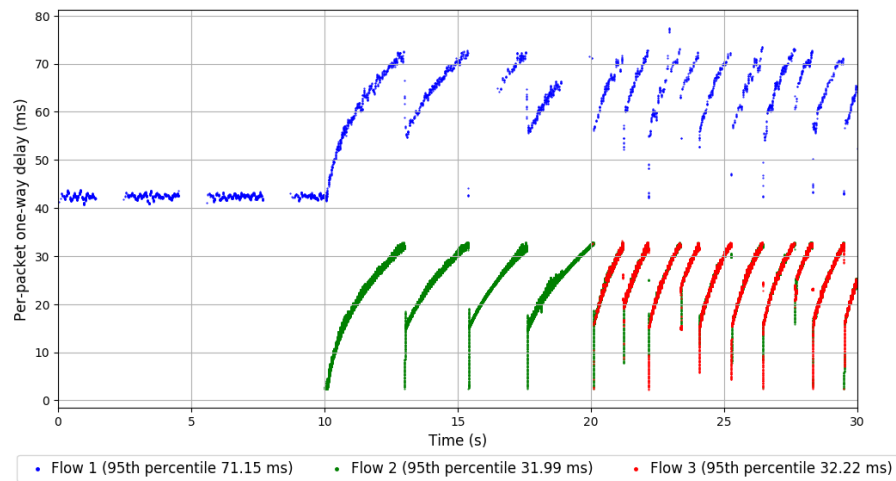
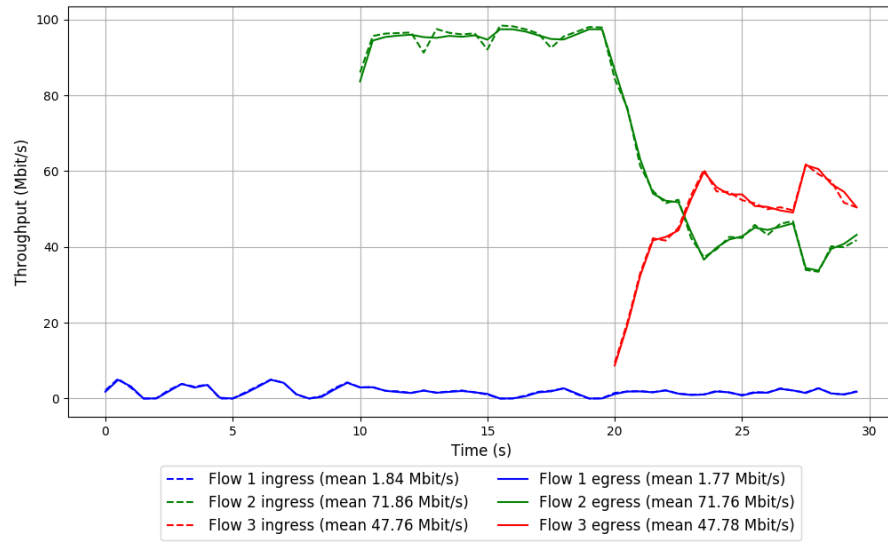


Run 8: Statistics of LEDBAT

Start at: 2018-02-16 16:27:16
End at: 2018-02-16 16:27:46
Local clock offset: -6.648 ms
Remote clock offset: -4.368 ms

Below is generated by plot.py at 2018-02-16 17:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.50 Mbit/s
95th percentile per-packet one-way delay: 32.443 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 71.150 ms
Loss rate: 3.70%
-- Flow 2:
Average throughput: 71.76 Mbit/s
95th percentile per-packet one-way delay: 31.986 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 47.78 Mbit/s
95th percentile per-packet one-way delay: 32.224 ms
Loss rate: 0.03%

Run 8: Report of LEDBAT — Data Link

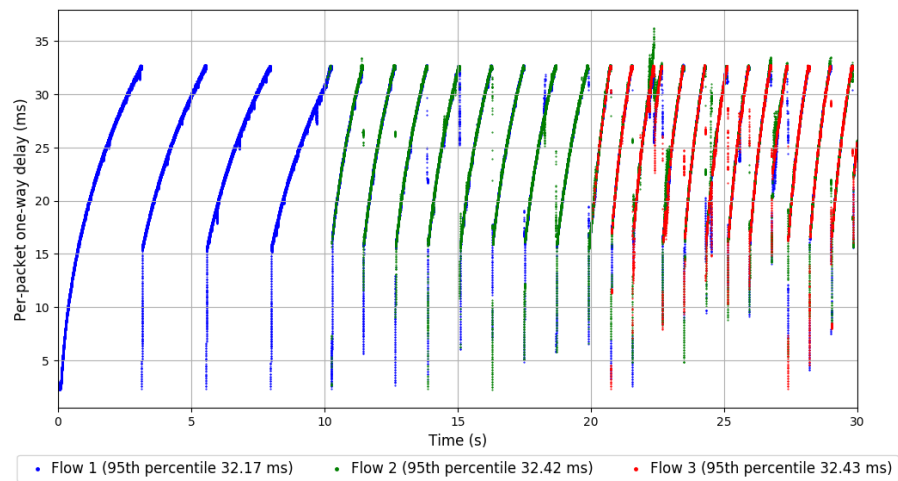
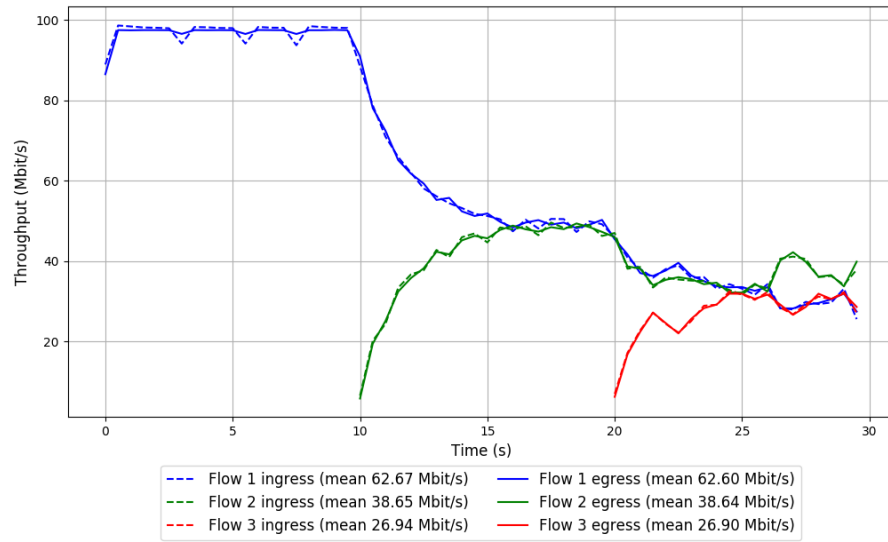


Run 9: Statistics of LEDBAT

Start at: 2018-02-16 16:47:45
End at: 2018-02-16 16:48:15
Local clock offset: -5.937 ms
Remote clock offset: -4.494 ms

Below is generated by plot.py at 2018-02-16 17:57:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 32.258 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 62.60 Mbit/s
95th percentile per-packet one-way delay: 32.174 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.64 Mbit/s
95th percentile per-packet one-way delay: 32.425 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 26.90 Mbit/s
95th percentile per-packet one-way delay: 32.434 ms
Loss rate: 0.09%

Run 9: Report of LEDBAT — Data Link

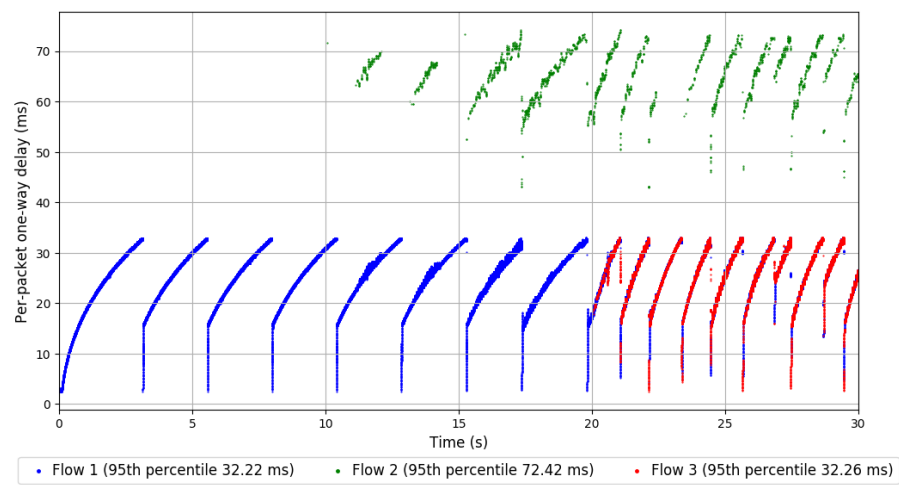
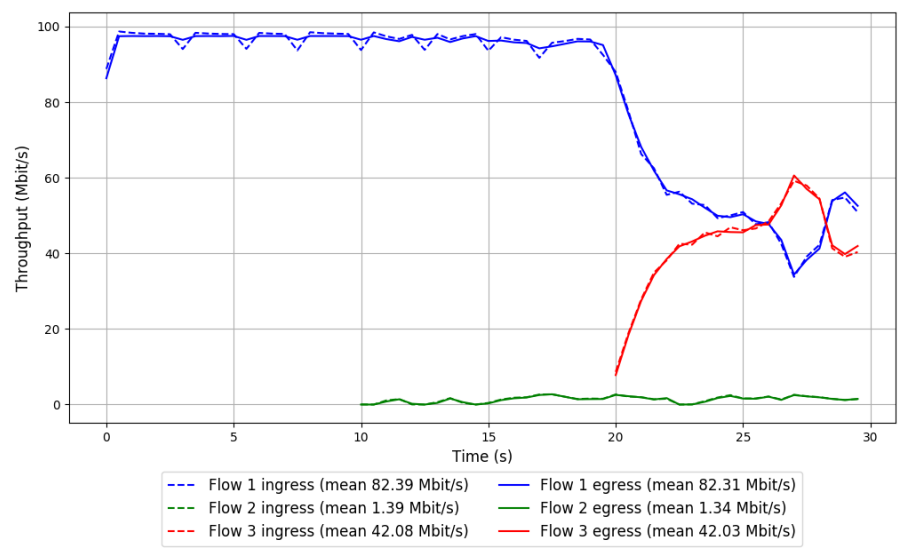


Run 10: Statistics of LEDBAT

Start at: 2018-02-16 17:08:17
End at: 2018-02-16 17:08:47
Local clock offset: -4.837 ms
Remote clock offset: -4.977 ms

Below is generated by plot.py at 2018-02-16 17:57:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 32.388 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 82.31 Mbit/s
95th percentile per-packet one-way delay: 32.219 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 72.425 ms
Loss rate: 3.69%
-- Flow 3:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 32.263 ms
Loss rate: 0.04%

Run 10: Report of LEDBAT — Data Link

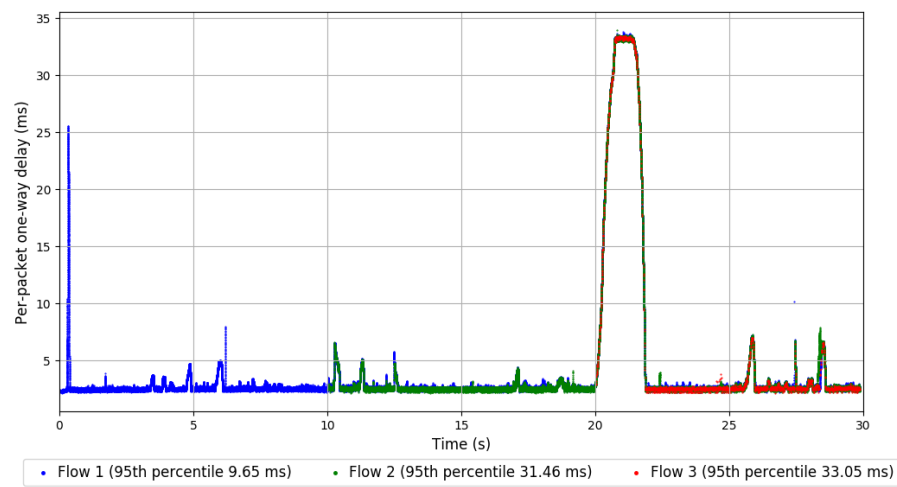
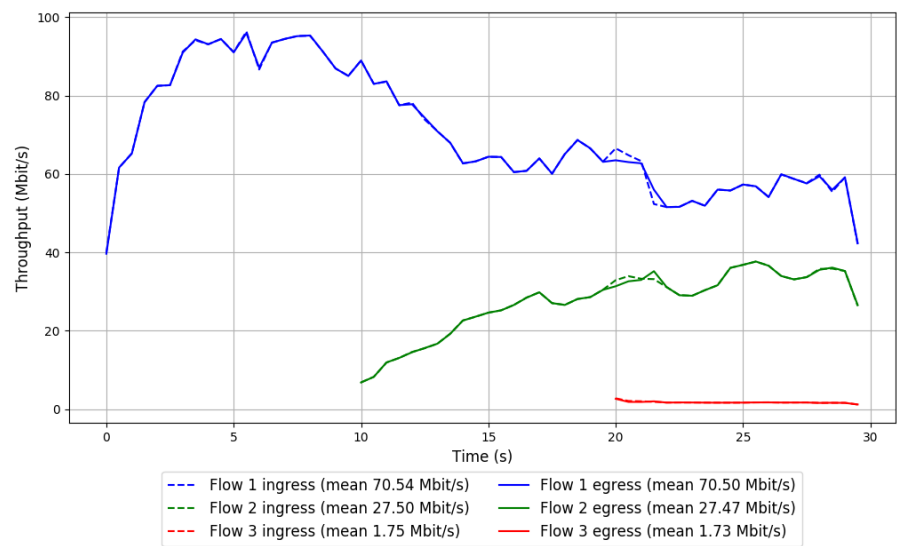


Run 1: Statistics of PCC

Start at: 2018-02-16 14:11:40
End at: 2018-02-16 14:12:10
Local clock offset: -4.292 ms
Remote clock offset: -5.609 ms

Below is generated by plot.py at 2018-02-16 17:57:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.34 Mbit/s
95th percentile per-packet one-way delay: 20.874 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 70.50 Mbit/s
95th percentile per-packet one-way delay: 9.651 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 27.47 Mbit/s
95th percentile per-packet one-way delay: 31.464 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 33.051 ms
Loss rate: 1.20%

Run 1: Report of PCC — Data Link

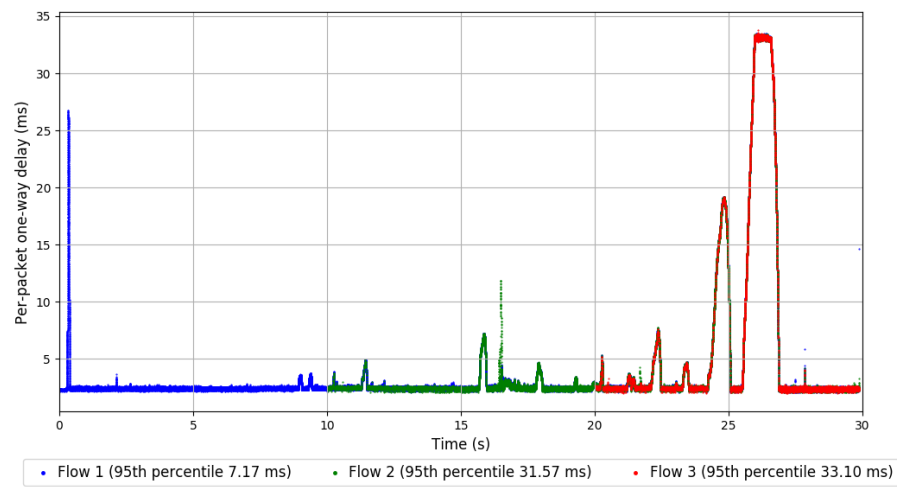
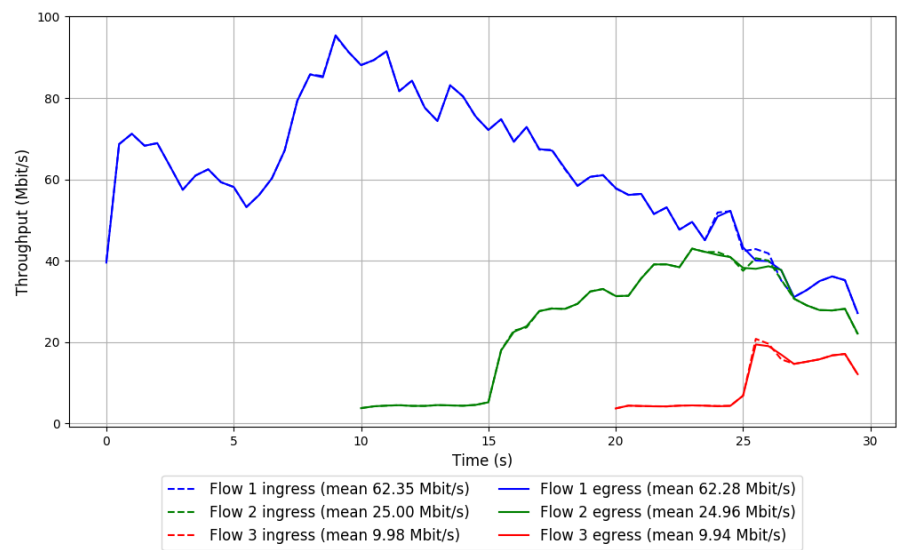


Run 2: Statistics of PCC

Start at: 2018-02-16 14:32:14
End at: 2018-02-16 14:32:44
Local clock offset: -8.118 ms
Remote clock offset: -5.751 ms

Below is generated by plot.py at 2018-02-16 17:57:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.16 Mbit/s
95th percentile per-packet one-way delay: 17.692 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 62.28 Mbit/s
95th percentile per-packet one-way delay: 7.171 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 31.573 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 9.94 Mbit/s
95th percentile per-packet one-way delay: 33.103 ms
Loss rate: 0.42%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-02-16 14:52:44

End at: 2018-02-16 14:53:14

Local clock offset: -8.355 ms

Remote clock offset: -4.15 ms

Below is generated by plot.py at 2018-02-16 17:57:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.81 Mbit/s

95th percentile per-packet one-way delay: 43.418 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 76.09 Mbit/s

95th percentile per-packet one-way delay: 13.072 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 16.94 Mbit/s

95th percentile per-packet one-way delay: 59.802 ms

Loss rate: 1.76%

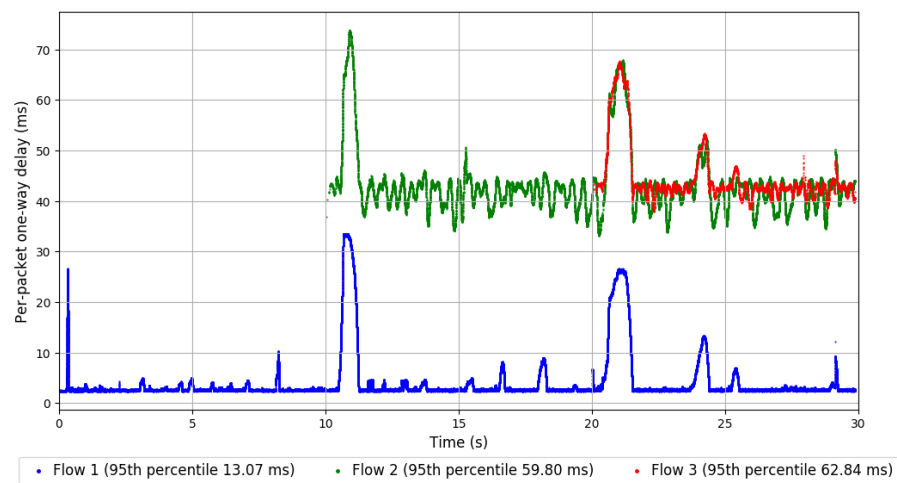
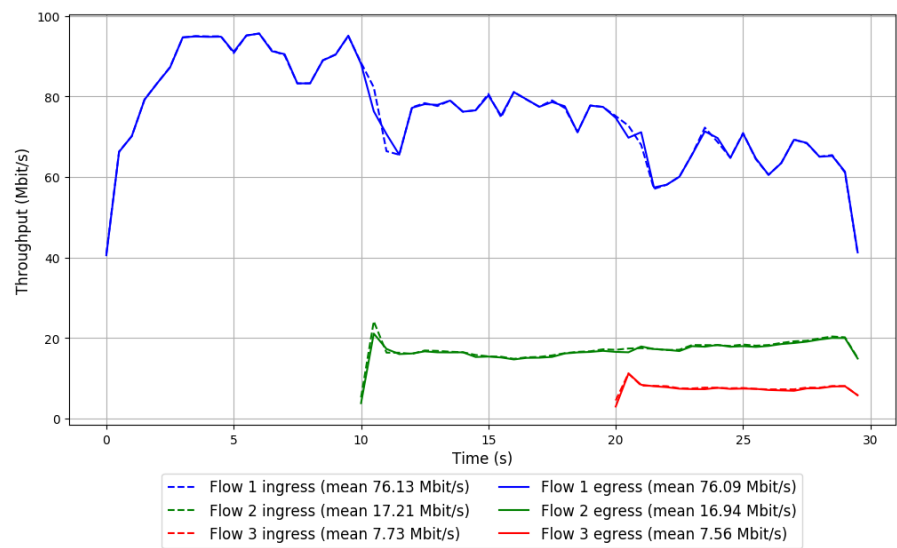
-- Flow 3:

Average throughput: 7.56 Mbit/s

95th percentile per-packet one-way delay: 62.837 ms

Loss rate: 2.58%

Run 3: Report of PCC — Data Link

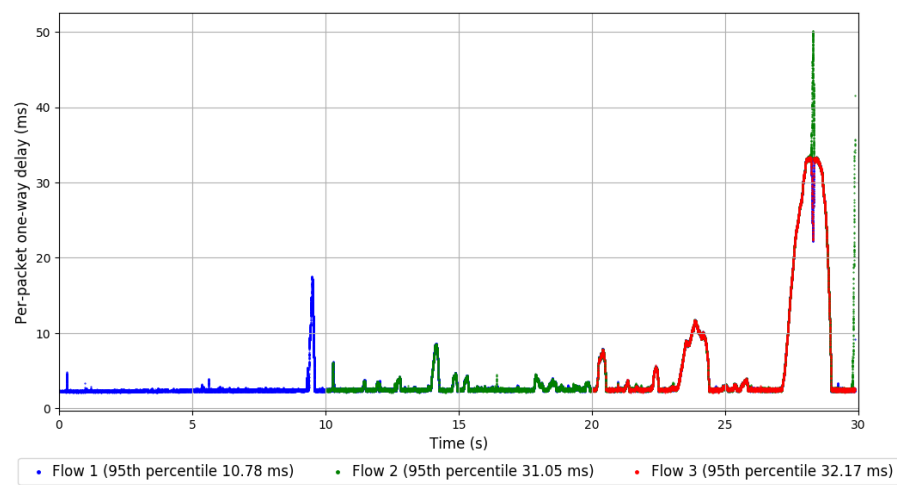
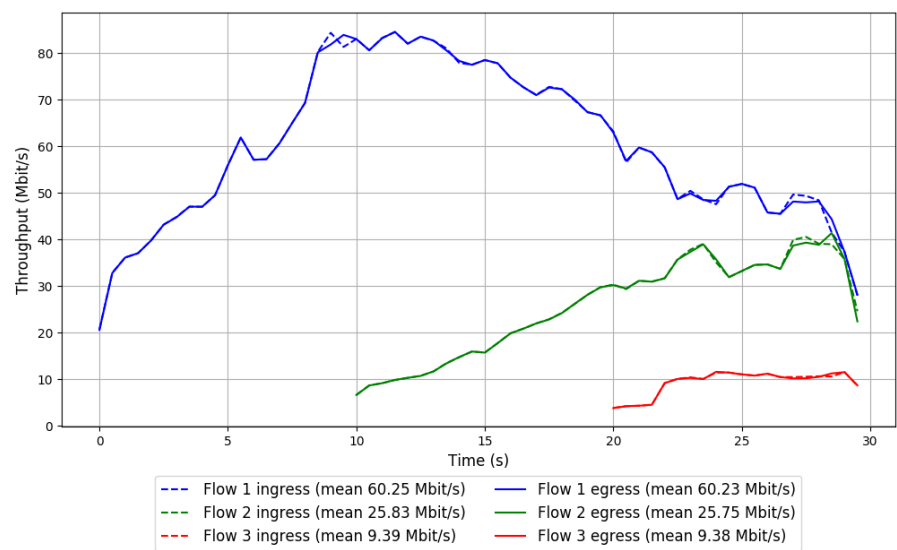


Run 4: Statistics of PCC

Start at: 2018-02-16 15:13:15
End at: 2018-02-16 15:13:45
Local clock offset: -7.054 ms
Remote clock offset: -4.141 ms

Below is generated by plot.py at 2018-02-16 17:57:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.45 Mbit/s
95th percentile per-packet one-way delay: 21.542 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 60.23 Mbit/s
95th percentile per-packet one-way delay: 10.778 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 25.75 Mbit/s
95th percentile per-packet one-way delay: 31.050 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 9.38 Mbit/s
95th percentile per-packet one-way delay: 32.173 ms
Loss rate: 0.05%

Run 4: Report of PCC — Data Link

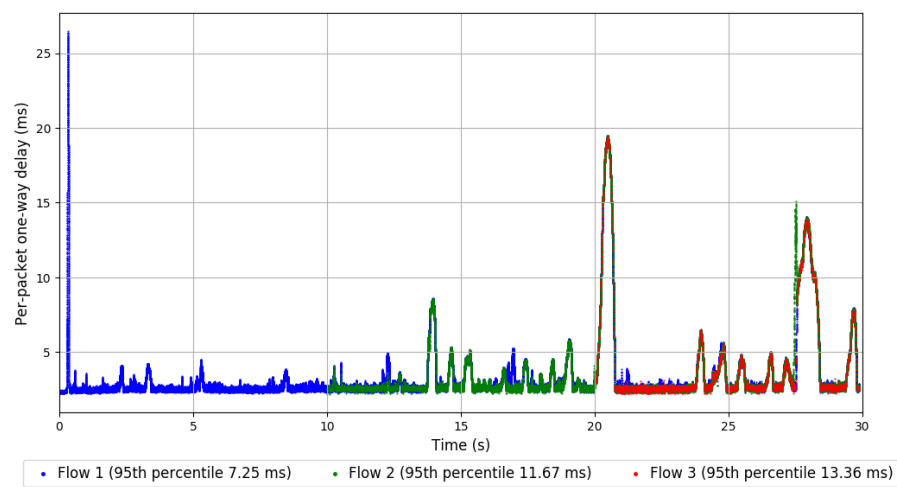
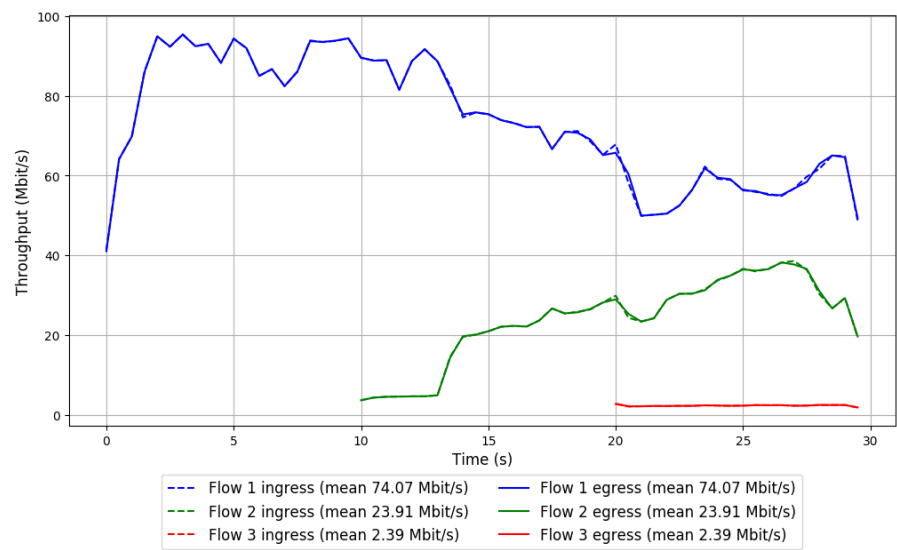


Run 5: Statistics of PCC

Start at: 2018-02-16 15:33:48
End at: 2018-02-16 15:34:18
Local clock offset: -4.597 ms
Remote clock offset: -4.221 ms

Below is generated by plot.py at 2018-02-16 17:58:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.76 Mbit/s
95th percentile per-packet one-way delay: 8.353 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.07 Mbit/s
95th percentile per-packet one-way delay: 7.247 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.91 Mbit/s
95th percentile per-packet one-way delay: 11.671 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 13.355 ms
Loss rate: 0.00%

Run 5: Report of PCC — Data Link

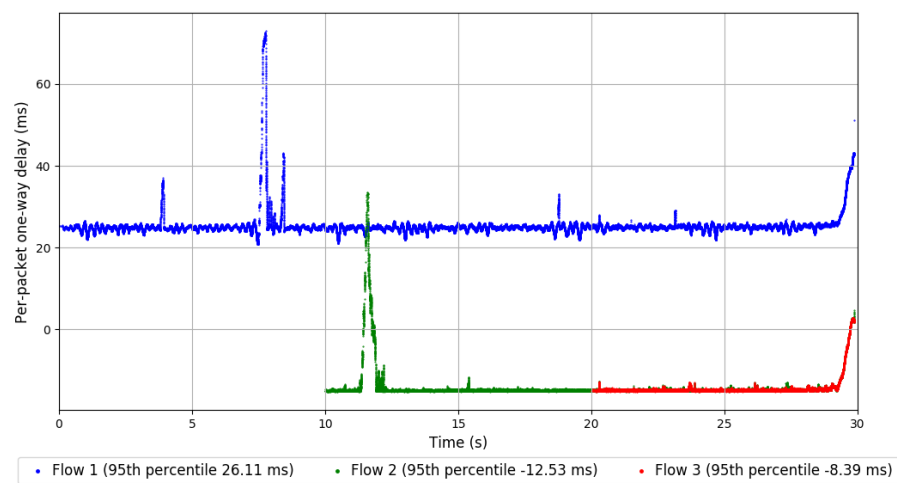
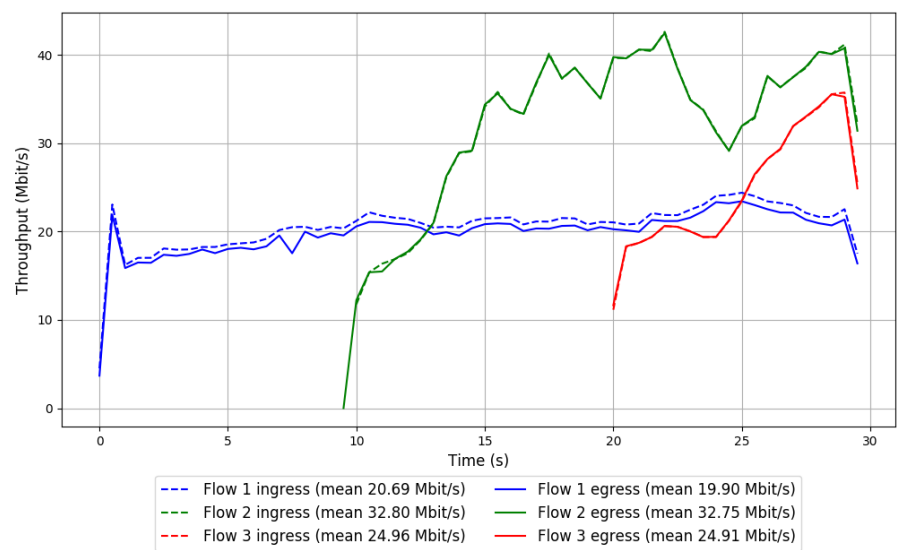


Run 6: Statistics of PCC

Start at: 2018-02-16 15:54:18
End at: 2018-02-16 15:54:48
Local clock offset: -3.085 ms
Remote clock offset: -21.521 ms

Below is generated by plot.py at 2018-02-16 17:58:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.94 Mbit/s
95th percentile per-packet one-way delay: 25.601 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 19.90 Mbit/s
95th percentile per-packet one-way delay: 26.105 ms
Loss rate: 3.85%
-- Flow 2:
Average throughput: 32.75 Mbit/s
95th percentile per-packet one-way delay: -12.534 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: -8.391 ms
Loss rate: 0.00%

Run 6: Report of PCC — Data Link

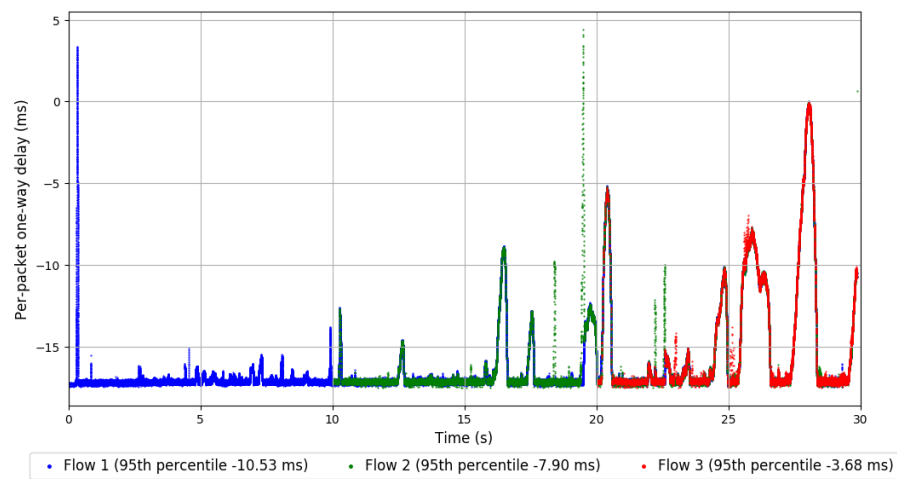
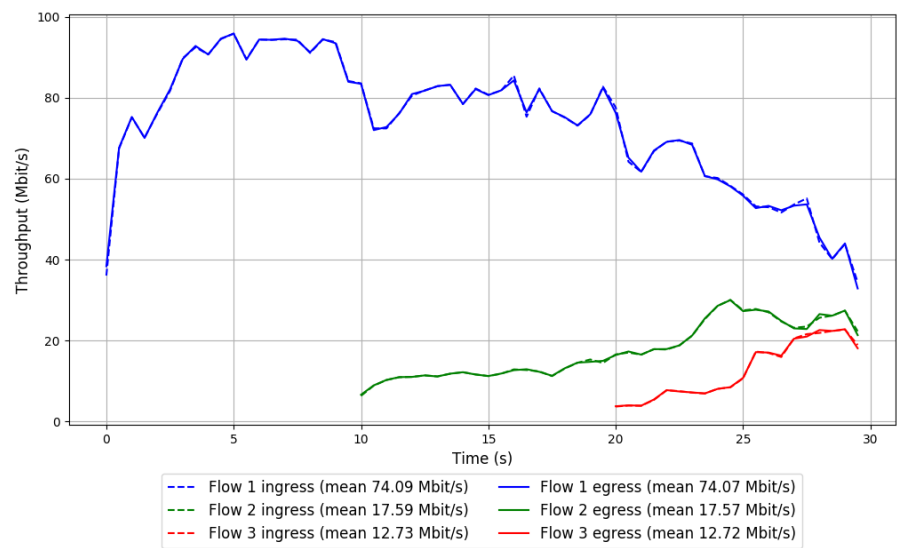


Run 7: Statistics of PCC

Start at: 2018-02-16 16:14:48
End at: 2018-02-16 16:15:18
Local clock offset: -6.113 ms
Remote clock offset: -23.455 ms

Below is generated by plot.py at 2018-02-16 17:58:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.92 Mbit/s
95th percentile per-packet one-way delay: -9.287 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.07 Mbit/s
95th percentile per-packet one-way delay: -10.529 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 17.57 Mbit/s
95th percentile per-packet one-way delay: -7.896 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.72 Mbit/s
95th percentile per-packet one-way delay: -3.676 ms
Loss rate: 0.00%

Run 7: Report of PCC — Data Link

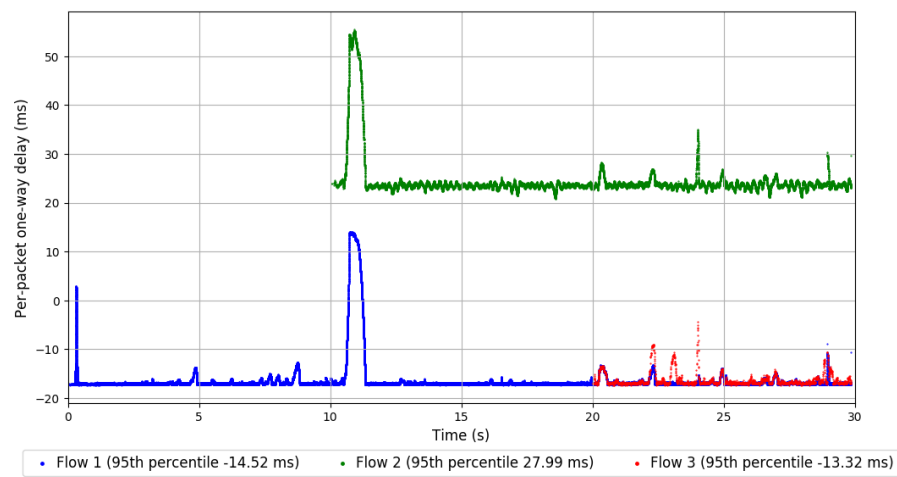
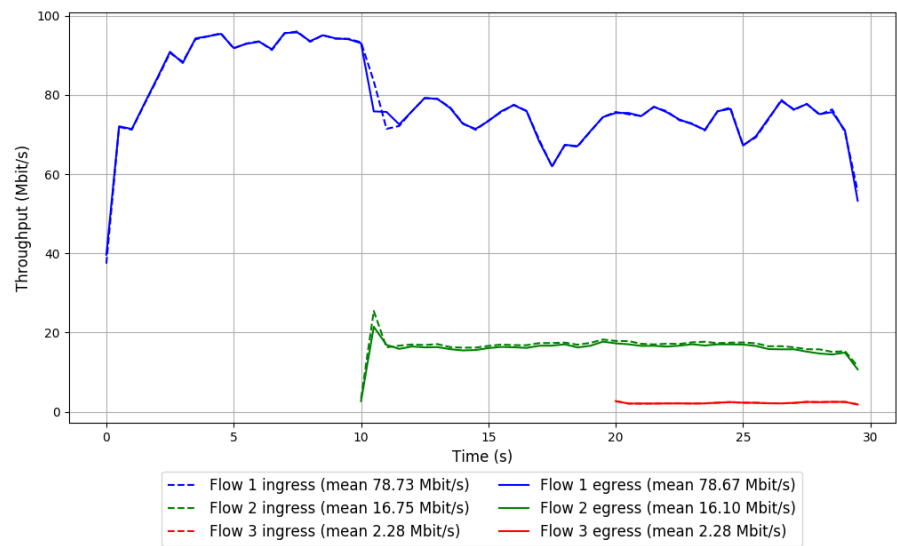


Run 8: Statistics of PCC

Start at: 2018-02-16 16:35:19
End at: 2018-02-16 16:35:49
Local clock offset: -6.391 ms
Remote clock offset: -24.035 ms

Below is generated by plot.py at 2018-02-16 17:58:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.10 Mbit/s
95th percentile per-packet one-way delay: 23.685 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 78.67 Mbit/s
95th percentile per-packet one-way delay: -14.523 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 16.10 Mbit/s
95th percentile per-packet one-way delay: 27.987 ms
Loss rate: 4.05%
-- Flow 3:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: -13.323 ms
Loss rate: 0.00%

Run 8: Report of PCC — Data Link

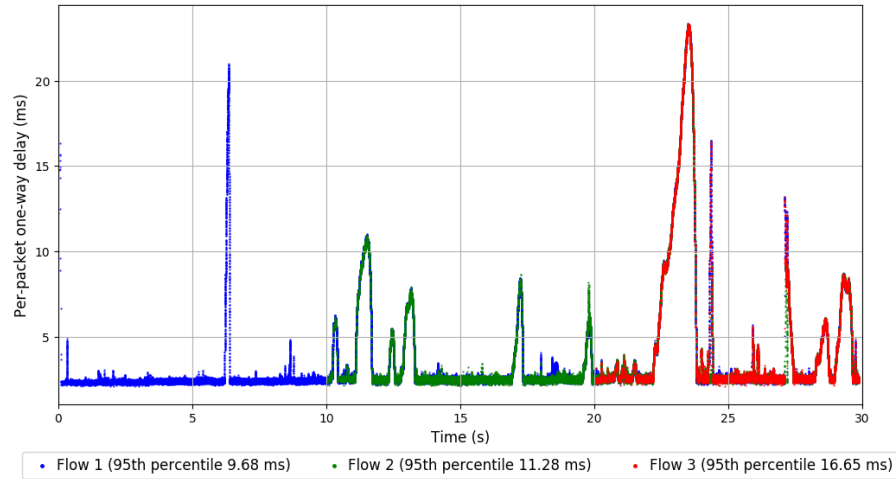
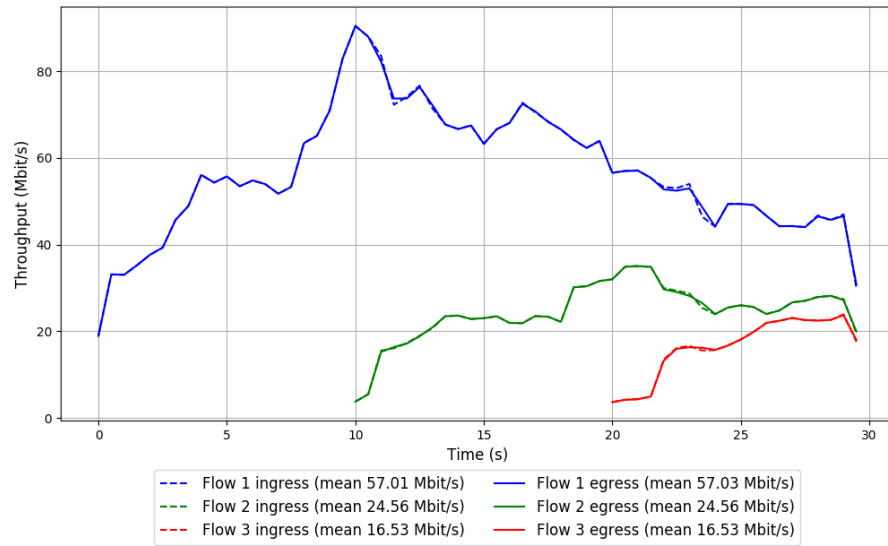


Run 9: Statistics of PCC

Start at: 2018-02-16 16:55:51
End at: 2018-02-16 16:56:21
Local clock offset: -5.845 ms
Remote clock offset: -4.773 ms

Below is generated by plot.py at 2018-02-16 17:58:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.83 Mbit/s
95th percentile per-packet one-way delay: 10.284 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.03 Mbit/s
95th percentile per-packet one-way delay: 9.677 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 11.276 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.53 Mbit/s
95th percentile per-packet one-way delay: 16.649 ms
Loss rate: 0.00%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-02-16 17:16:21

End at: 2018-02-16 17:16:51

Local clock offset: -2.962 ms

Remote clock offset: -5.13 ms

Below is generated by plot.py at 2018-02-16 17:58:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.39 Mbit/s

95th percentile per-packet one-way delay: 6.180 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 76.02 Mbit/s

95th percentile per-packet one-way delay: 5.462 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.29 Mbit/s

95th percentile per-packet one-way delay: 9.592 ms

Loss rate: 0.00%

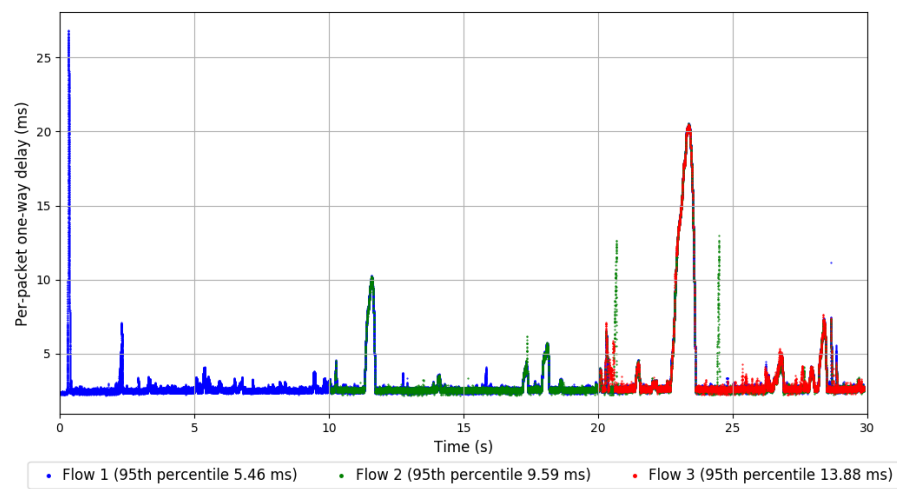
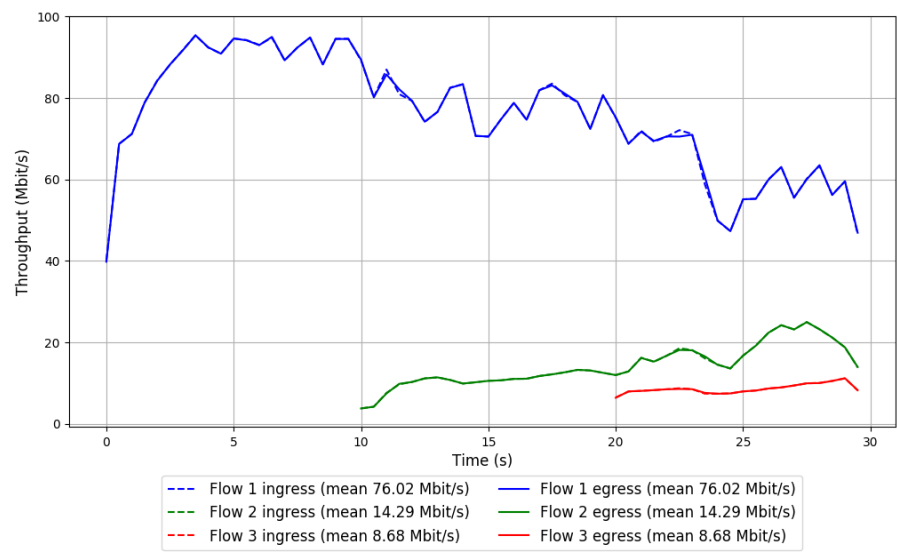
-- Flow 3:

Average throughput: 8.68 Mbit/s

95th percentile per-packet one-way delay: 13.884 ms

Loss rate: 0.00%

Run 10: Report of PCC — Data Link

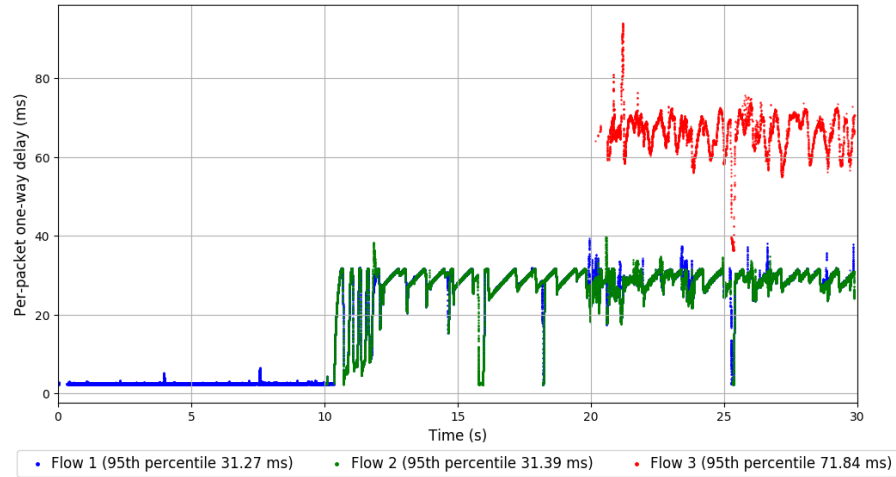
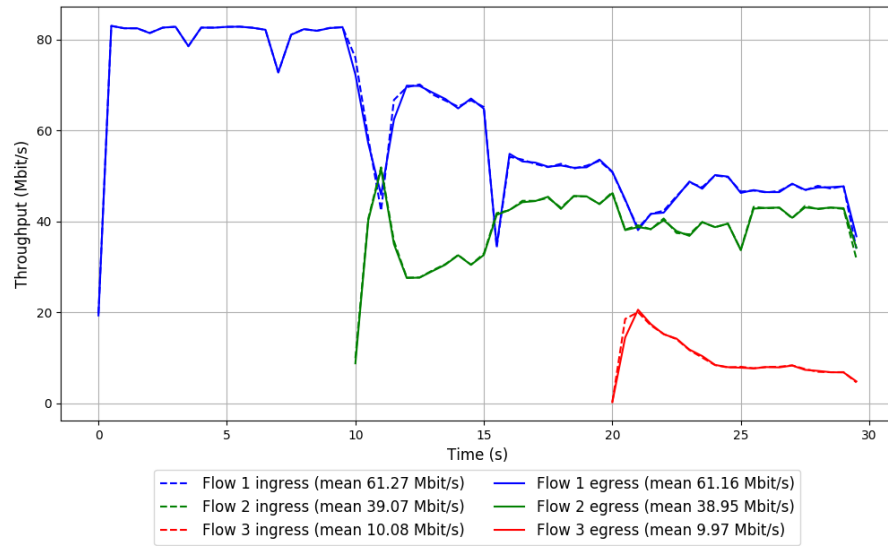


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-16 14:13:56
End at: 2018-02-16 14:14:26
Local clock offset: -4.238 ms
Remote clock offset: -5.638 ms

Below is generated by plot.py at 2018-02-16 17:58:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.24 Mbit/s
95th percentile per-packet one-way delay: 31.532 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 61.16 Mbit/s
95th percentile per-packet one-way delay: 31.266 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 38.95 Mbit/s
95th percentile per-packet one-way delay: 31.393 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 9.97 Mbit/s
95th percentile per-packet one-way delay: 71.843 ms
Loss rate: 1.46%

Run 1: Report of QUIC Cubic — Data Link

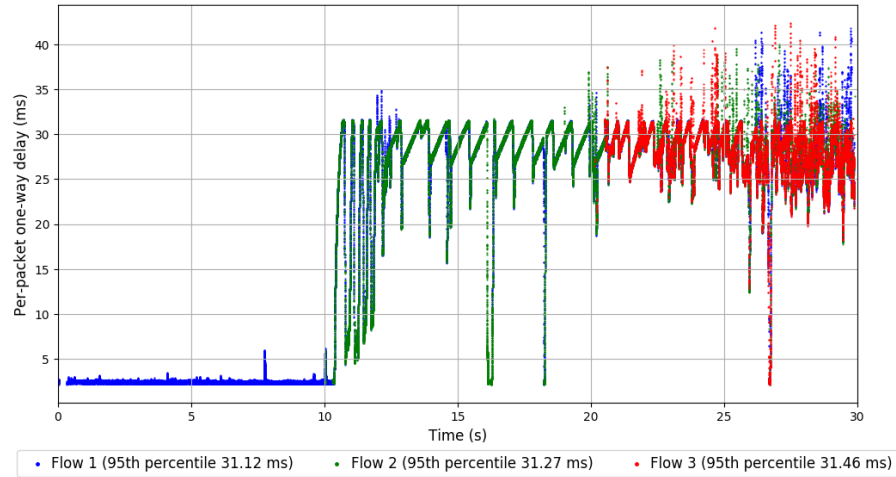
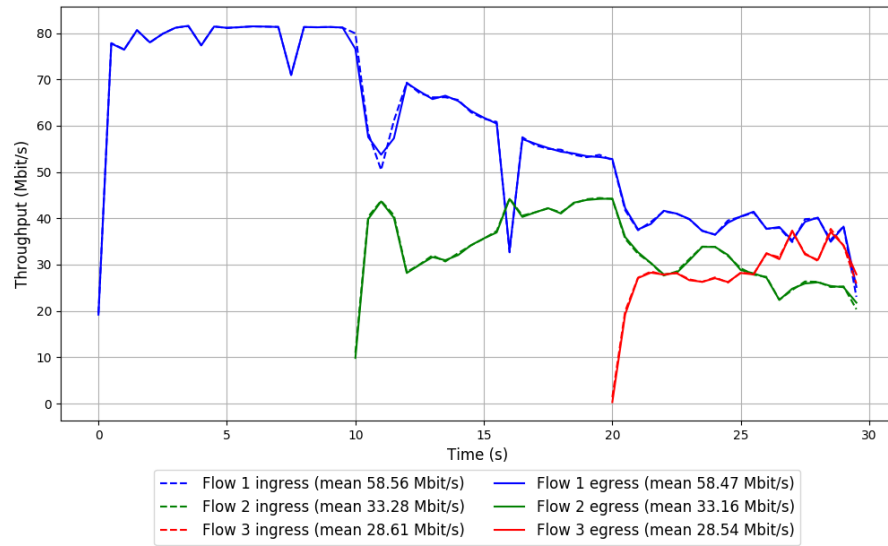


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-16 14:34:28
End at: 2018-02-16 14:34:58
Local clock offset: -8.29 ms
Remote clock offset: -5.442 ms

Below is generated by plot.py at 2018-02-16 17:58:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 31.210 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 58.47 Mbit/s
95th percentile per-packet one-way delay: 31.125 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 33.16 Mbit/s
95th percentile per-packet one-way delay: 31.273 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 28.54 Mbit/s
95th percentile per-packet one-way delay: 31.461 ms
Loss rate: 0.21%

Run 2: Report of QUIC Cubic — Data Link

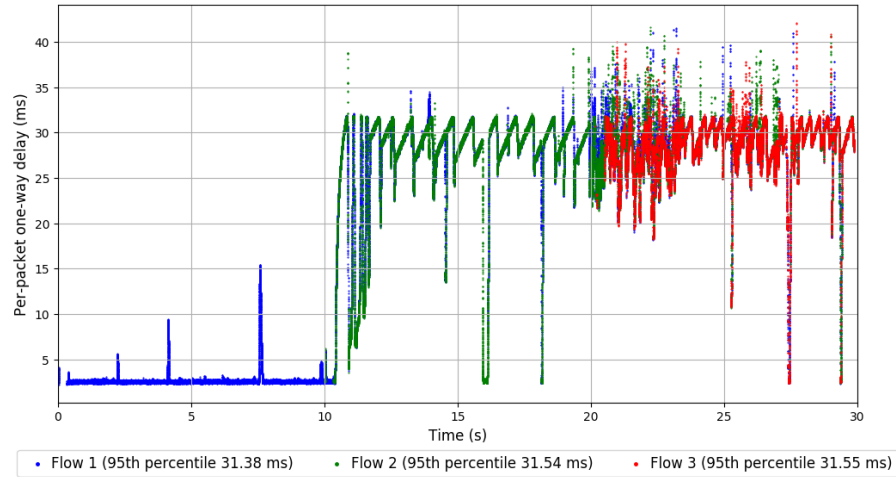
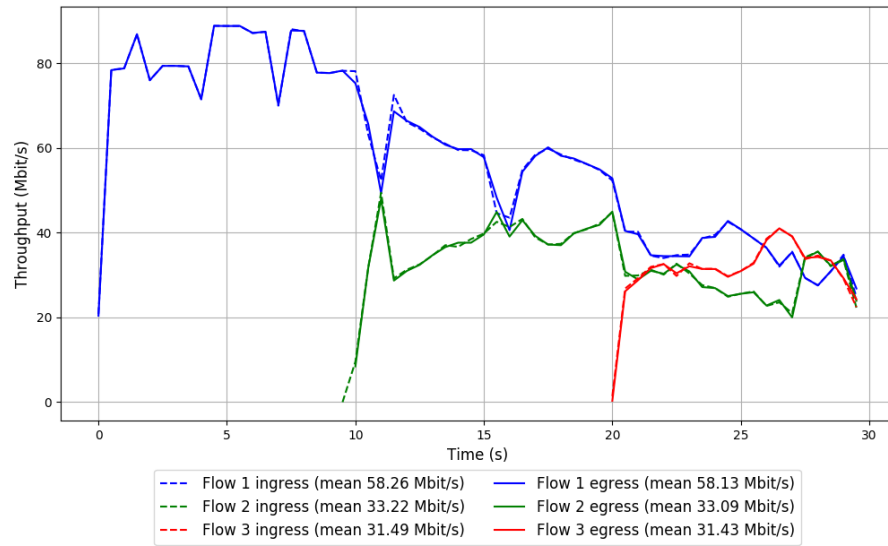


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-16 14:55:01
End at: 2018-02-16 14:55:31
Local clock offset: -8.15 ms
Remote clock offset: -4.164 ms

Below is generated by plot.py at 2018-02-16 17:59:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.39 Mbit/s
95th percentile per-packet one-way delay: 31.466 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.13 Mbit/s
95th percentile per-packet one-way delay: 31.377 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 33.09 Mbit/s
95th percentile per-packet one-way delay: 31.538 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.43 Mbit/s
95th percentile per-packet one-way delay: 31.553 ms
Loss rate: 0.21%

Run 3: Report of QUIC Cubic — Data Link

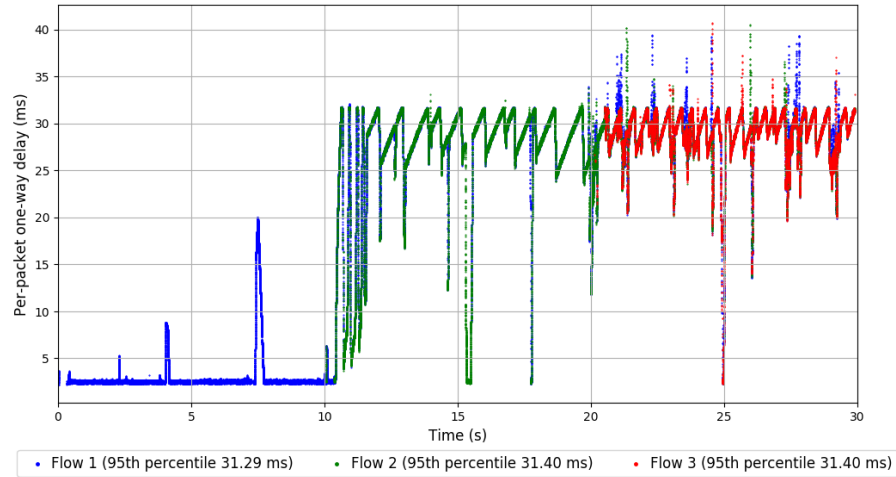
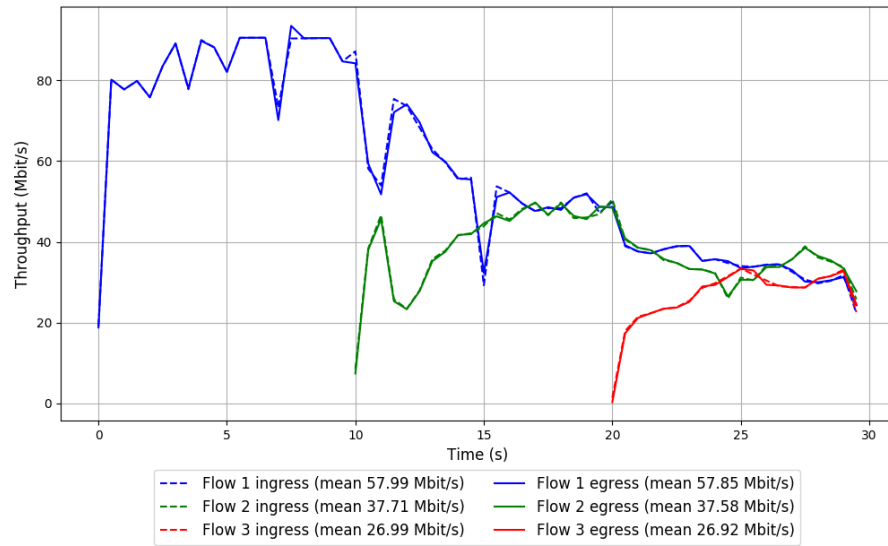


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-16 15:15:31
End at: 2018-02-16 15:16:01
Local clock offset: -6.947 ms
Remote clock offset: -4.104 ms

Below is generated by plot.py at 2018-02-16 17:59:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.58 Mbit/s
95th percentile per-packet one-way delay: 31.358 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 57.85 Mbit/s
95th percentile per-packet one-way delay: 31.292 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 37.58 Mbit/s
95th percentile per-packet one-way delay: 31.397 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 26.92 Mbit/s
95th percentile per-packet one-way delay: 31.402 ms
Loss rate: 0.21%

Run 4: Report of QUIC Cubic — Data Link

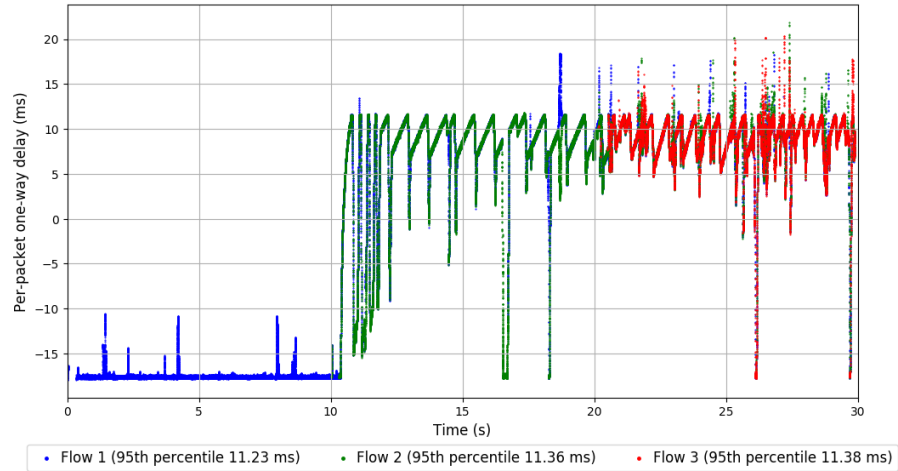
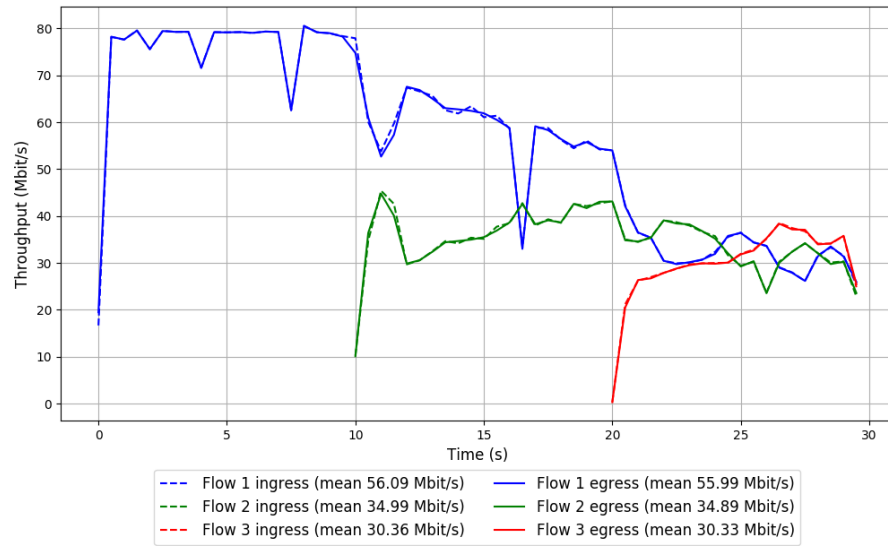


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-16 15:36:04
End at: 2018-02-16 15:36:34
Local clock offset: -4.354 ms
Remote clock offset: -24.359 ms

Below is generated by plot.py at 2018-02-16 18:00:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.10 Mbit/s
95th percentile per-packet one-way delay: 11.304 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 55.99 Mbit/s
95th percentile per-packet one-way delay: 11.232 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 34.89 Mbit/s
95th percentile per-packet one-way delay: 11.360 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 30.33 Mbit/s
95th percentile per-packet one-way delay: 11.380 ms
Loss rate: 0.13%

Run 5: Report of QUIC Cubic — Data Link

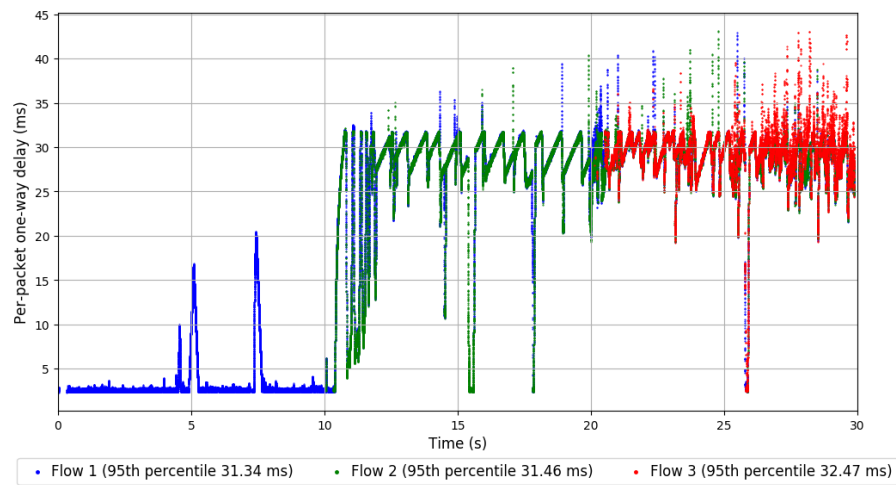
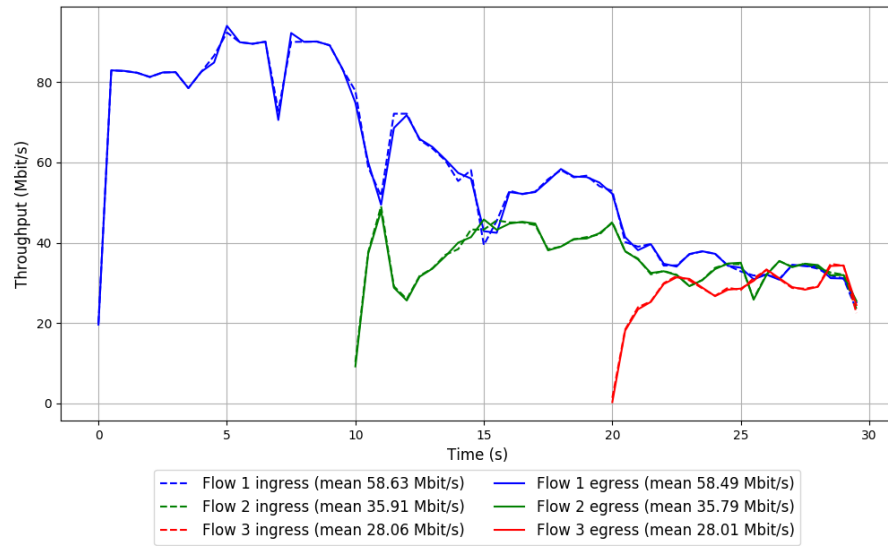


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-16 15:56:33
End at: 2018-02-16 15:57:03
Local clock offset: -2.976 ms
Remote clock offset: -4.046 ms

Below is generated by plot.py at 2018-02-16 18:00:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.41 Mbit/s
95th percentile per-packet one-way delay: 31.450 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.49 Mbit/s
95th percentile per-packet one-way delay: 31.340 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 35.79 Mbit/s
95th percentile per-packet one-way delay: 31.463 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 28.01 Mbit/s
95th percentile per-packet one-way delay: 32.473 ms
Loss rate: 0.19%

Run 6: Report of QUIC Cubic — Data Link

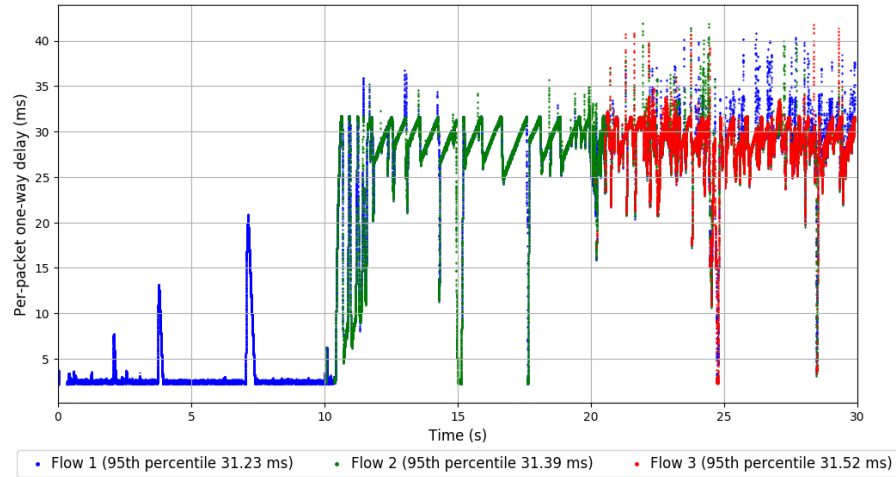
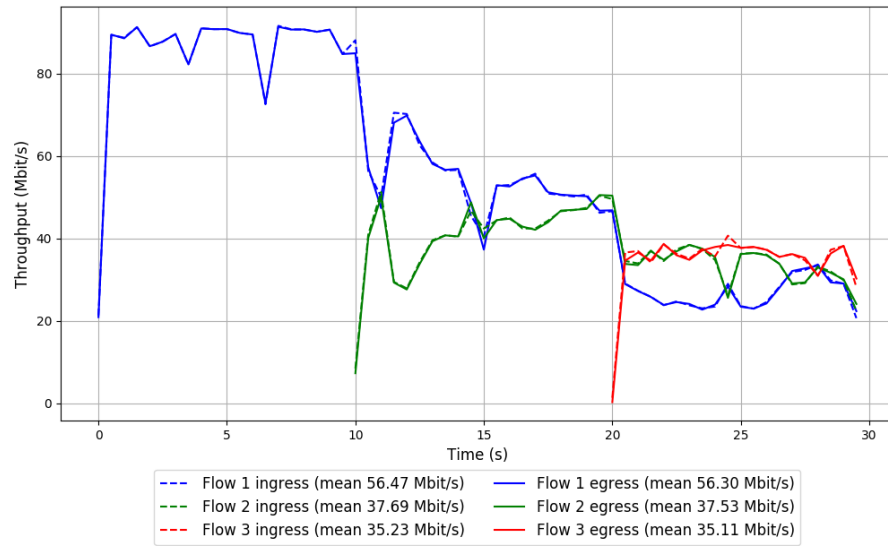


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-16 16:17:04
End at: 2018-02-16 16:17:34
Local clock offset: -6.225 ms
Remote clock offset: -3.963 ms

Below is generated by plot.py at 2018-02-16 18:00:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.68 Mbit/s
95th percentile per-packet one-way delay: 31.352 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 56.30 Mbit/s
95th percentile per-packet one-way delay: 31.233 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 37.53 Mbit/s
95th percentile per-packet one-way delay: 31.394 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 35.11 Mbit/s
95th percentile per-packet one-way delay: 31.522 ms
Loss rate: 0.28%

Run 7: Report of QUIC Cubic — Data Link

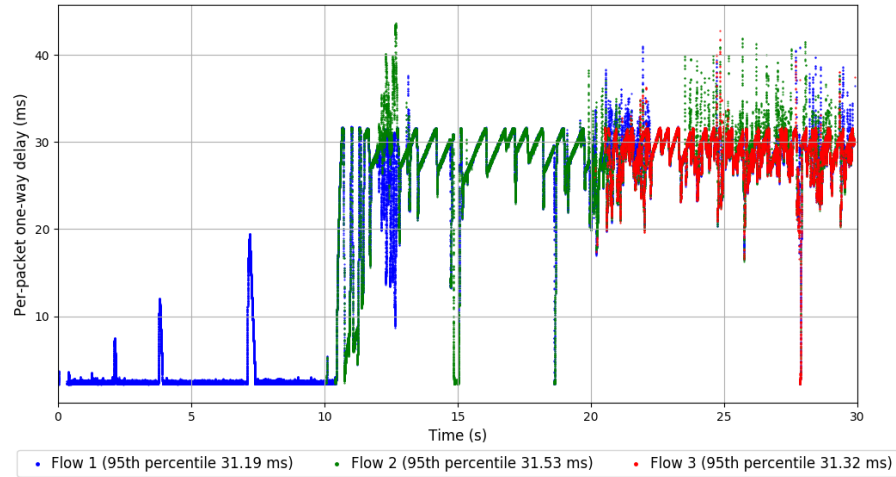
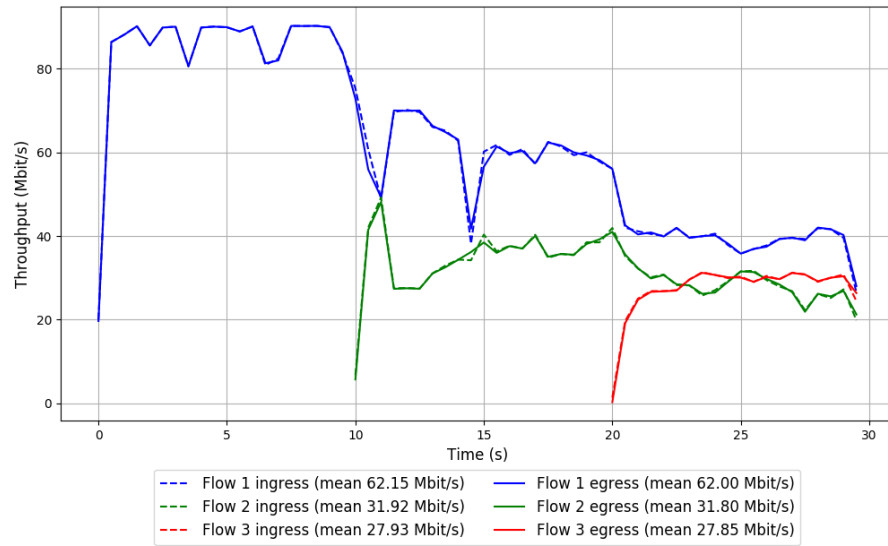


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-16 16:37:33
End at: 2018-02-16 16:38:03
Local clock offset: -6.222 ms
Remote clock offset: -4.535 ms

Below is generated by plot.py at 2018-02-16 18:00:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.19 Mbit/s
95th percentile per-packet one-way delay: 31.308 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 62.00 Mbit/s
95th percentile per-packet one-way delay: 31.192 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 31.531 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 27.85 Mbit/s
95th percentile per-packet one-way delay: 31.323 ms
Loss rate: 0.17%

Run 8: Report of QUIC Cubic — Data Link

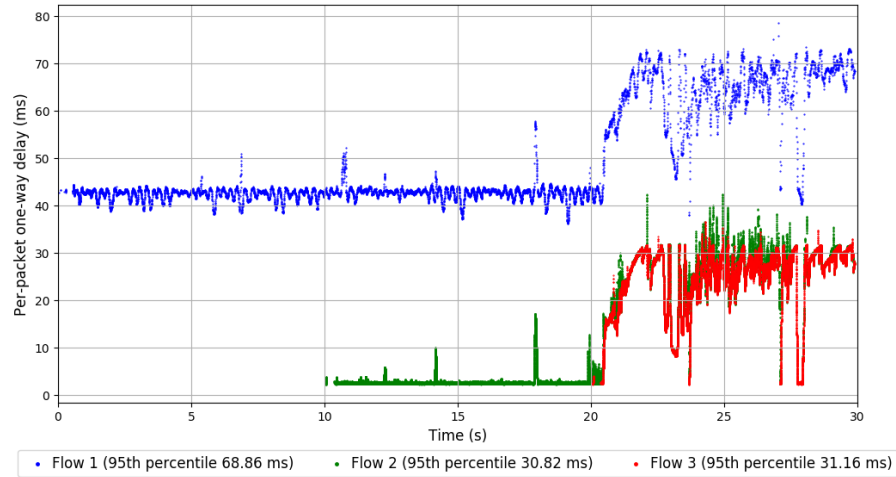
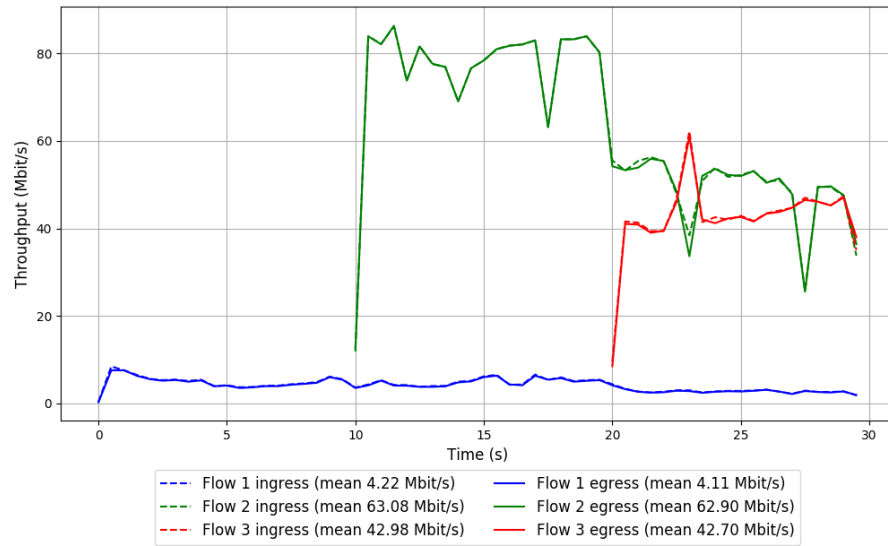


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-16 16:58:06
End at: 2018-02-16 16:58:36
Local clock offset: -5.832 ms
Remote clock offset: -4.804 ms

Below is generated by plot.py at 2018-02-16 18:00:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.00 Mbit/s
95th percentile per-packet one-way delay: 42.360 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 68.864 ms
Loss rate: 2.73%
-- Flow 2:
Average throughput: 62.90 Mbit/s
95th percentile per-packet one-way delay: 30.821 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 42.70 Mbit/s
95th percentile per-packet one-way delay: 31.161 ms
Loss rate: 0.38%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-16 17:18:37

End at: 2018-02-16 17:19:07

Local clock offset: -2.665 ms

Remote clock offset: -5.08 ms

Below is generated by plot.py at 2018-02-16 18:00:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.29 Mbit/s

95th percentile per-packet one-way delay: 31.548 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 59.77 Mbit/s

95th percentile per-packet one-way delay: 31.493 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 35.41 Mbit/s

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

Loss rate: 0.26%

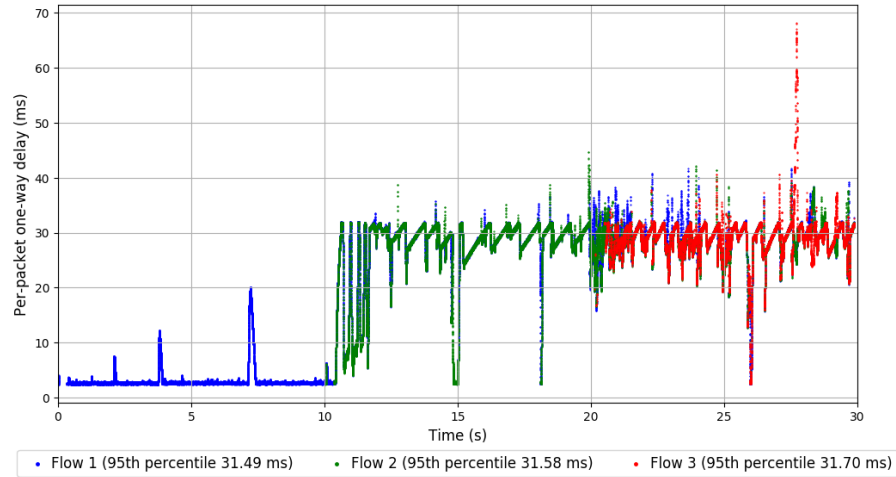
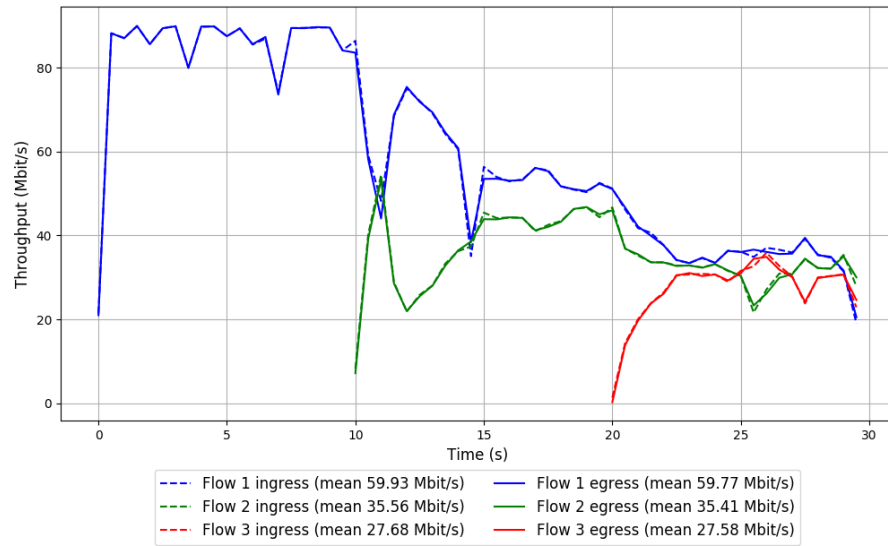
-- Flow 3:

Average throughput: 27.58 Mbit/s

95th percentile per-packet one-way delay: 31.701 ms

Loss rate: 0.22%

Run 10: Report of QUIC Cubic — Data Link

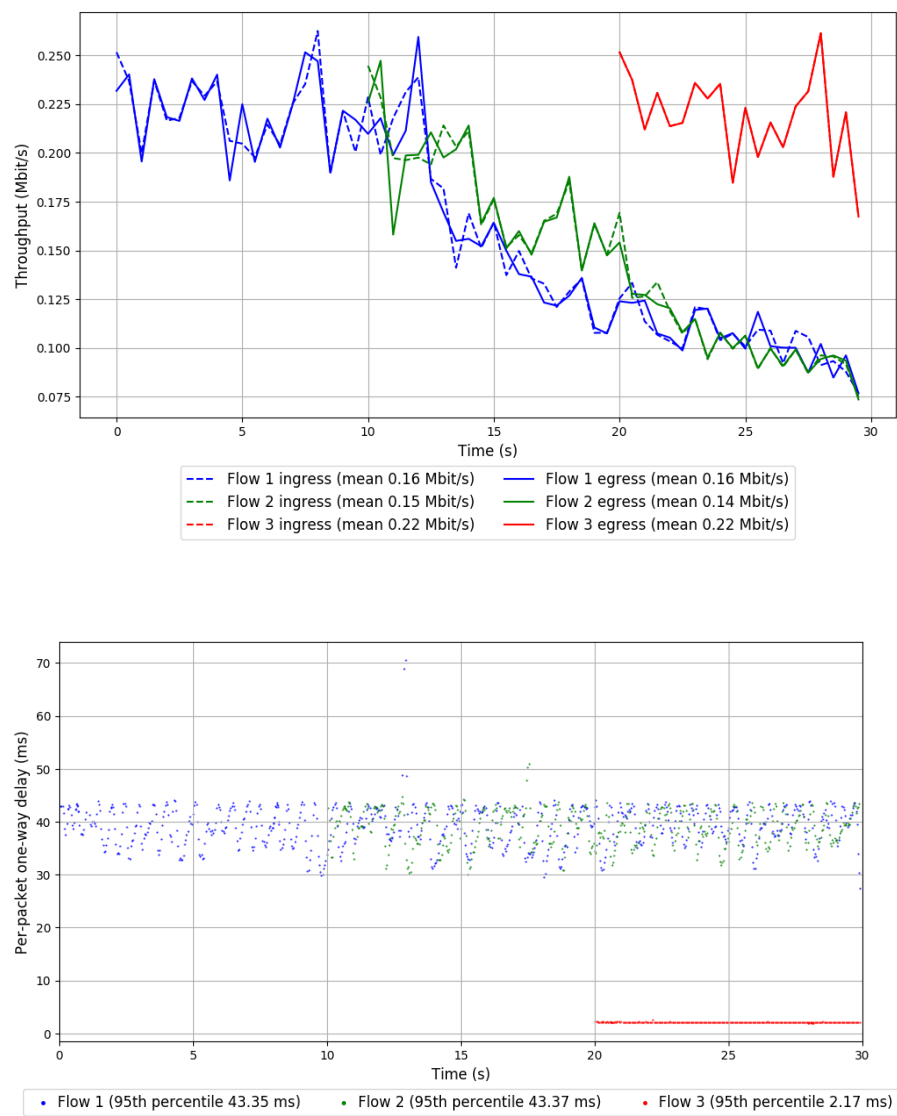


```
Run 1: Statistics of SCReAM

Start at: 2018-02-16 14:16:11
End at: 2018-02-16 14:16:41
Local clock offset: -4.83 ms
Remote clock offset: -5.627 ms

# Below is generated by plot.py at 2018-02-16 18:00:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 43.299 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 43.349 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 43.372 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.174 ms
Loss rate: 0.00%
```

Run 1: Report of SCRaM — Data Link

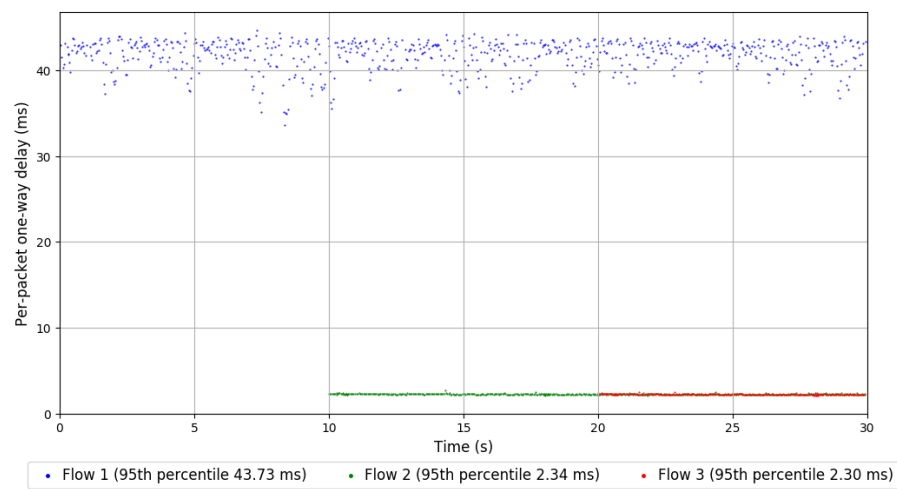
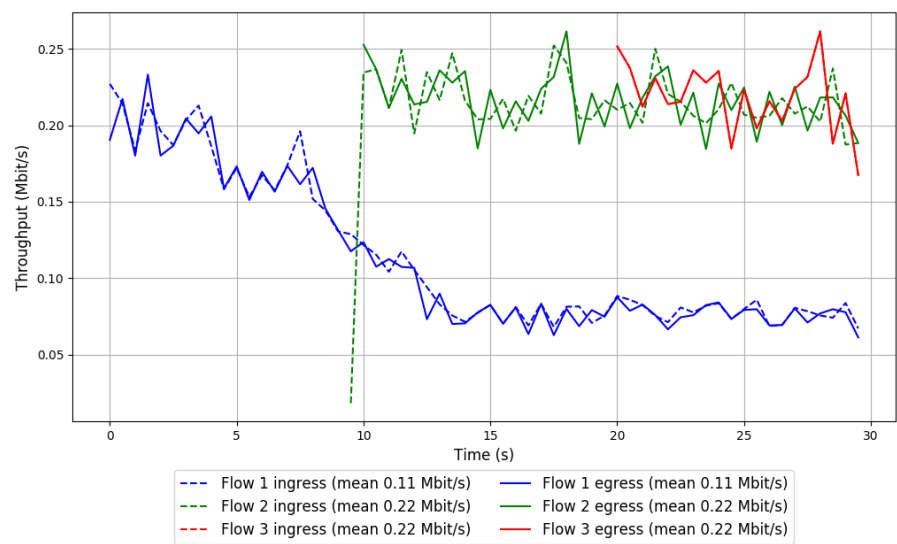


Run 2: Statistics of SReAM

Start at: 2018-02-16 14:36:42
End at: 2018-02-16 14:37:12
Local clock offset: -8.461 ms
Remote clock offset: -5.128 ms

Below is generated by plot.py at 2018-02-16 18:00:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 43.516 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 43.726 ms
Loss rate: 2.03%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.337 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.300 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

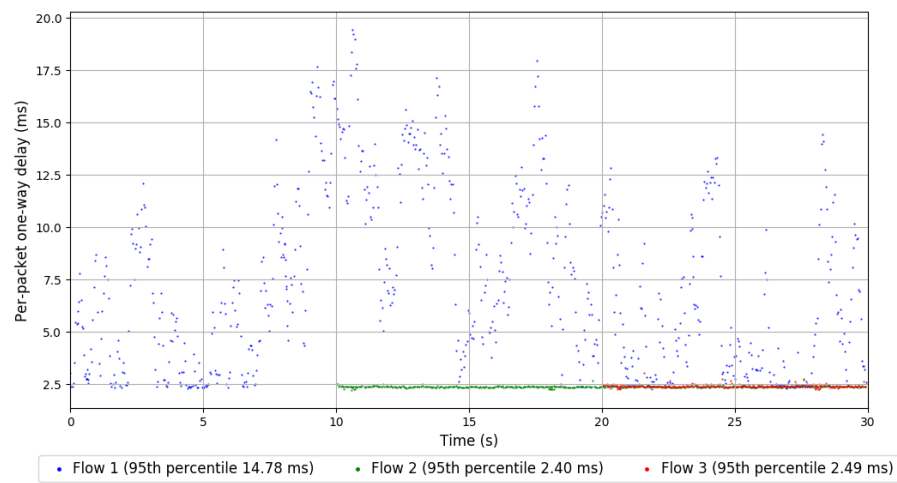
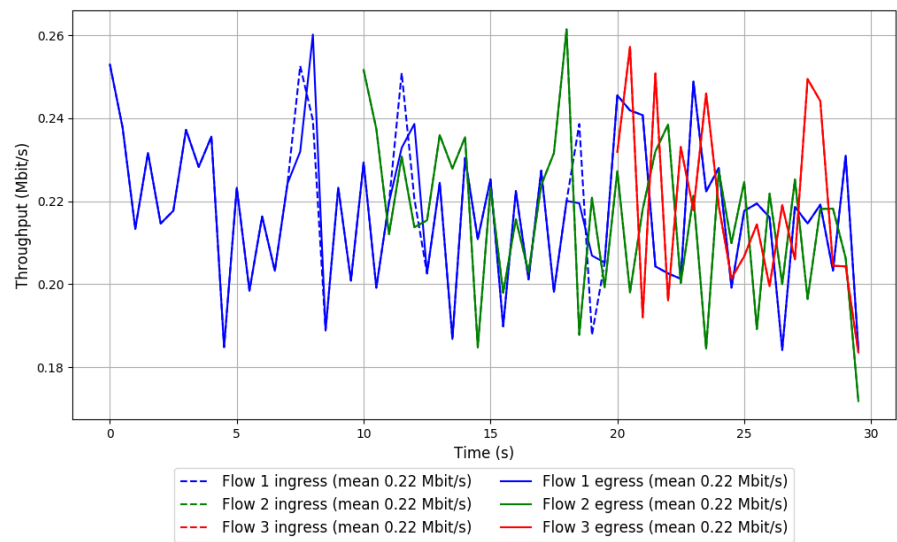


Run 3: Statistics of SReAM

Start at: 2018-02-16 14:57:14
End at: 2018-02-16 14:57:44
Local clock offset: -7.818 ms
Remote clock offset: -4.092 ms

Below is generated by plot.py at 2018-02-16 18:00:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 13.637 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 14.781 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.404 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.491 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

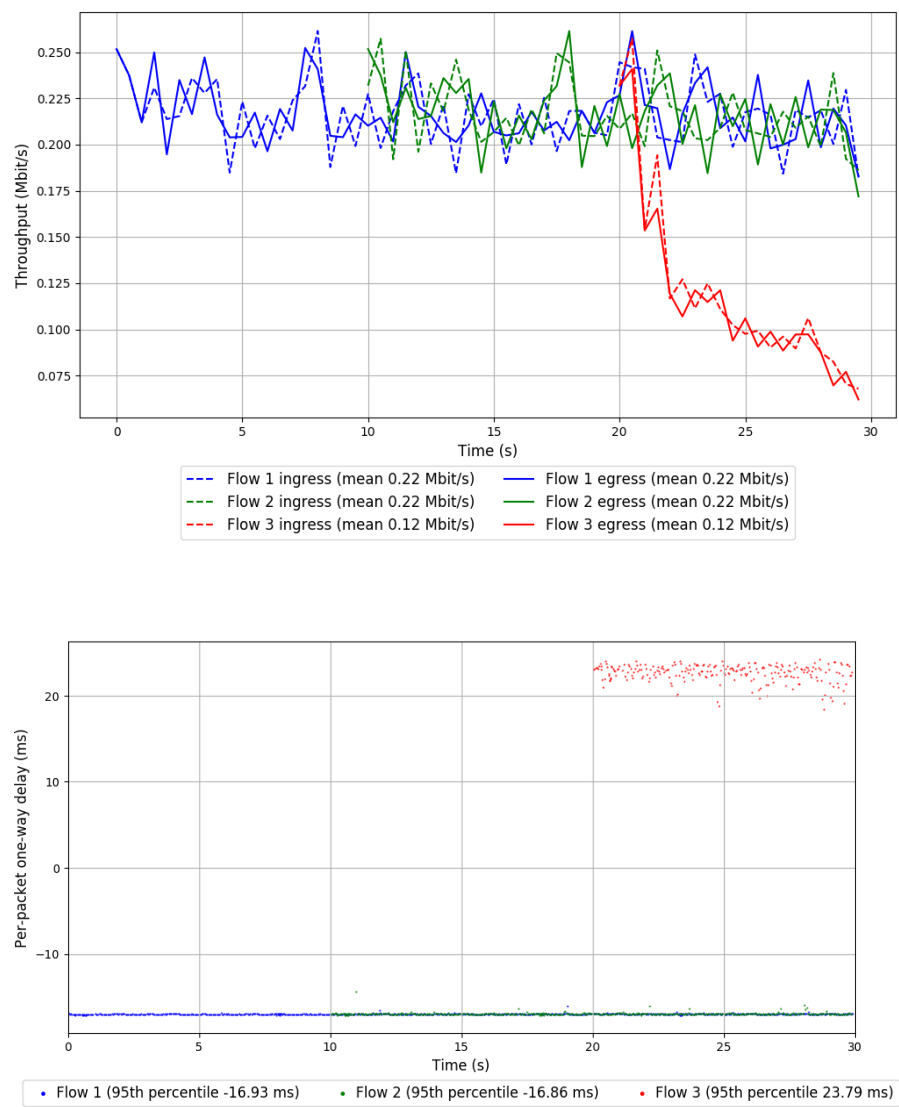


Run 4: Statistics of SCReAM

Start at: 2018-02-16 15:17:46
End at: 2018-02-16 15:18:16
Local clock offset: -6.989 ms
Remote clock offset: -23.581 ms

Below is generated by plot.py at 2018-02-16 18:00:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 23.186 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -16.928 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -16.863 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 23.787 ms
Loss rate: 3.09%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-02-16 15:38:19

End at: 2018-02-16 15:38:49

Local clock offset: -4.183 ms

Remote clock offset: -4.23 ms

Below is generated by plot.py at 2018-02-16 18:00:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 43.151 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.890 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.604 ms

Loss rate: 0.00%

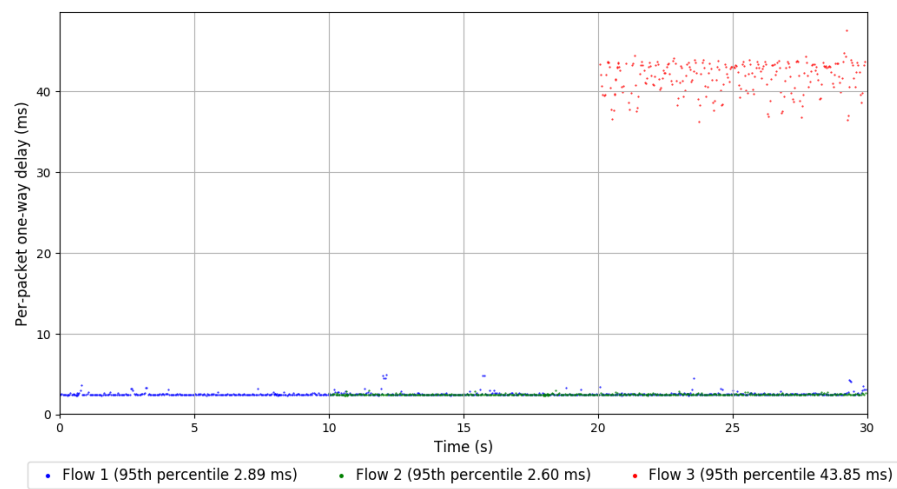
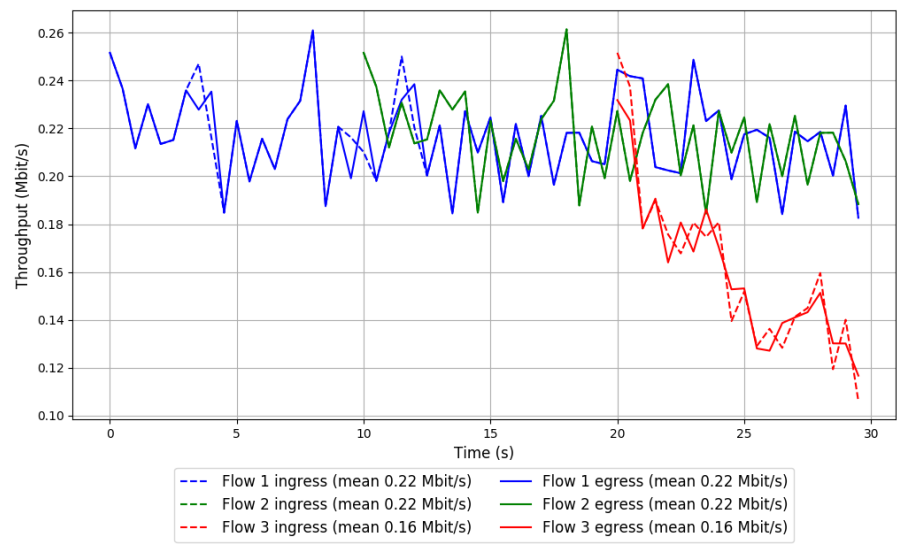
-- Flow 3:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 43.853 ms

Loss rate: 0.84%

Run 5: Report of SReAM — Data Link

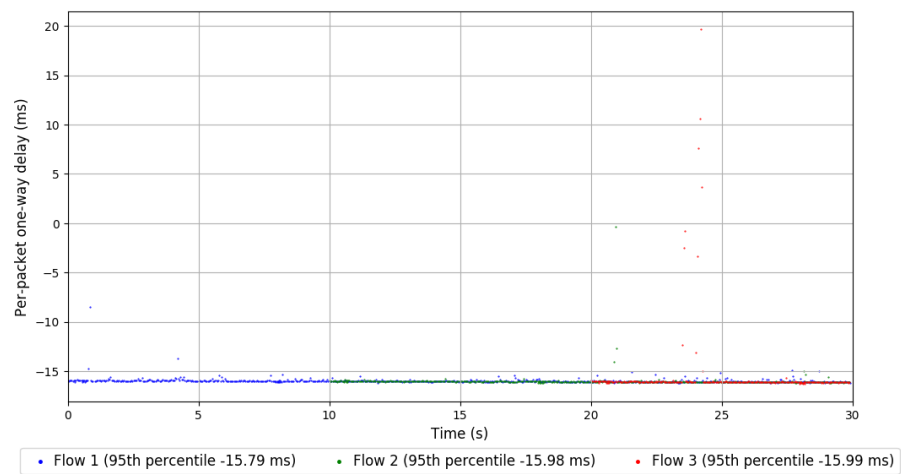
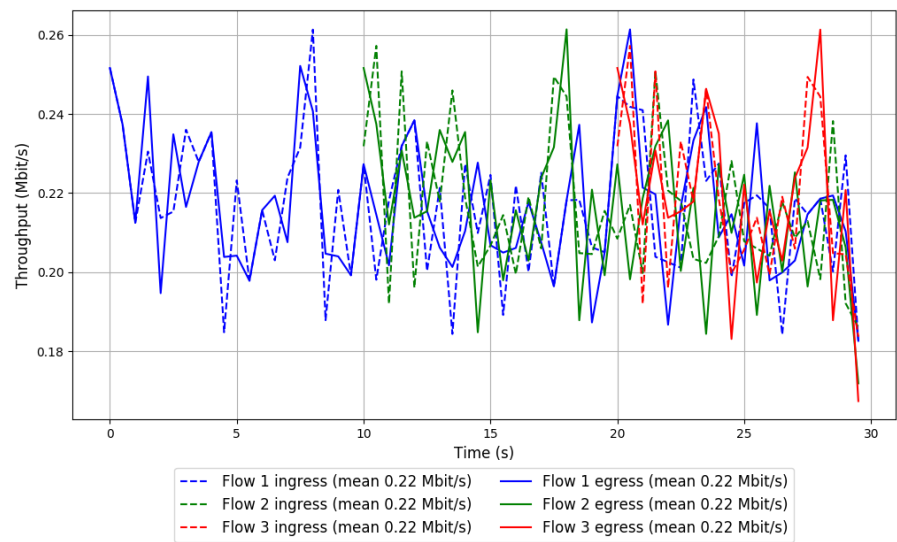


Run 6: Statistics of SReAM

Start at: 2018-02-16 15:58:47
End at: 2018-02-16 15:59:17
Local clock offset: -3.447 ms
Remote clock offset: -22.194 ms

Below is generated by plot.py at 2018-02-16 18:00:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -15.865 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -15.788 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -15.978 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -15.990 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

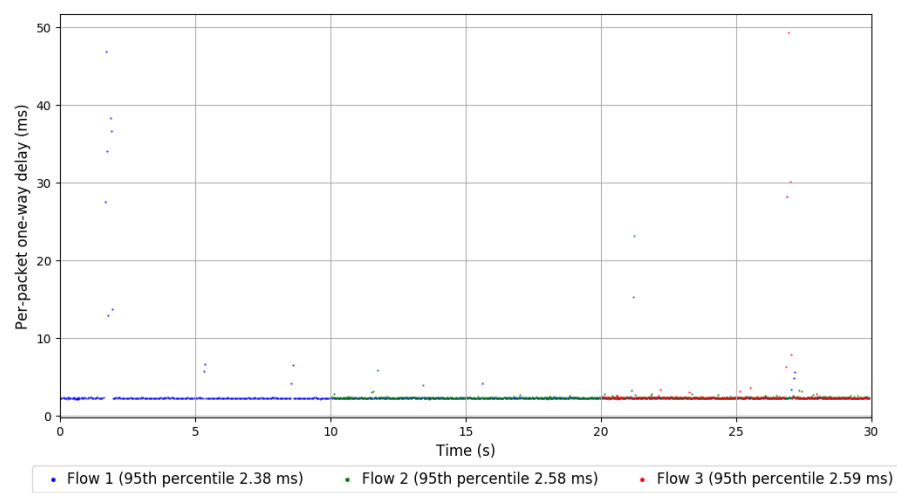
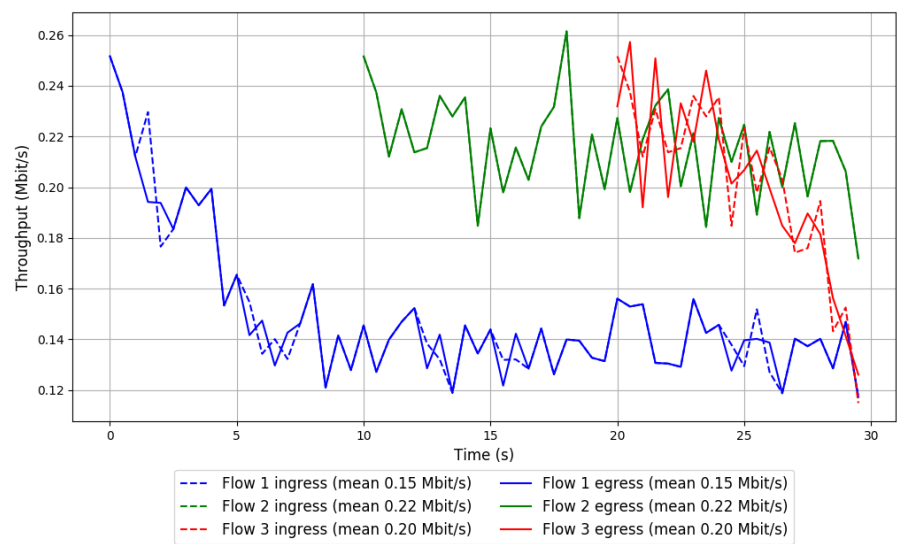


Run 7: Statistics of SReAM

Start at: 2018-02-16 16:19:19
End at: 2018-02-16 16:19:49
Local clock offset: -6.418 ms
Remote clock offset: -4.167 ms

Below is generated by plot.py at 2018-02-16 18:00:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 2.476 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 2.382 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.578 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 2.593 ms
Loss rate: 0.42%

Run 7: Report of SReAM — Data Link

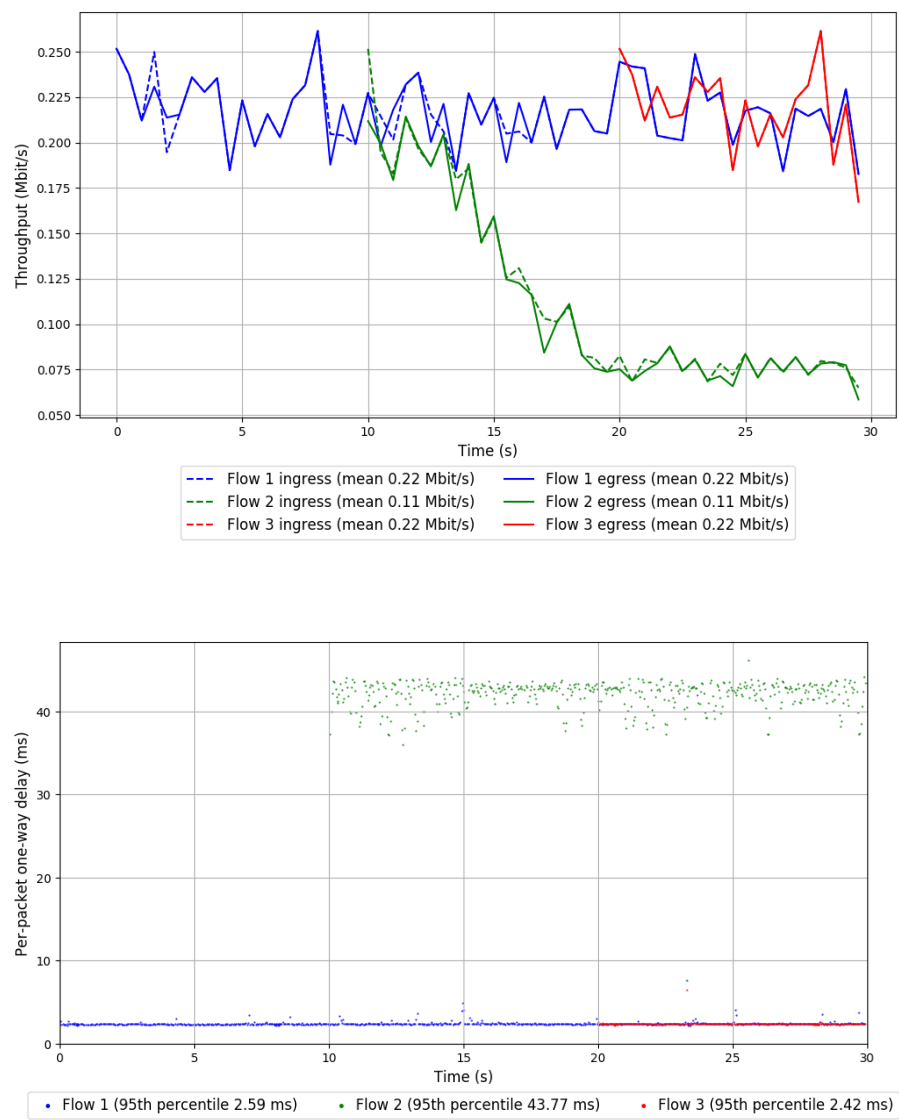


Run 8: Statistics of SCReAM

Start at: 2018-02-16 16:39:48
End at: 2018-02-16 16:40:18
Local clock offset: -6.149 ms
Remote clock offset: -4.509 ms

Below is generated by plot.py at 2018-02-16 18:00:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 43.382 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.592 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 43.765 ms
Loss rate: 2.46%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.424 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

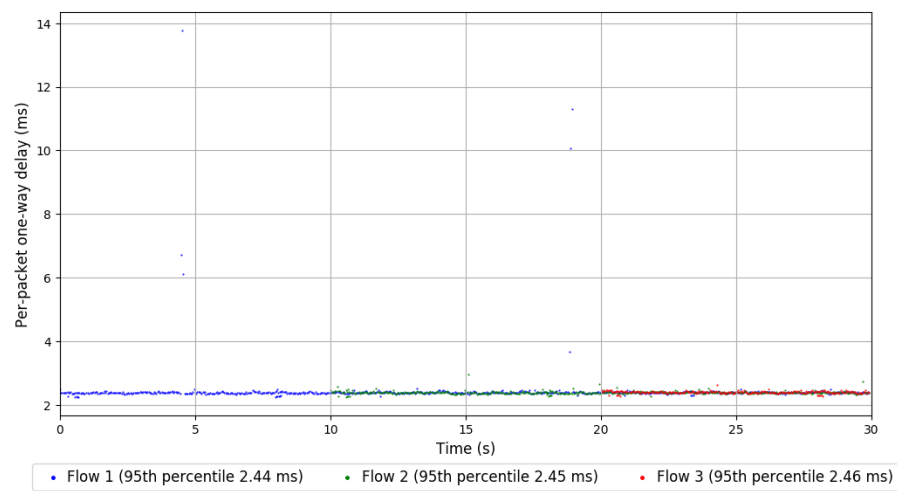
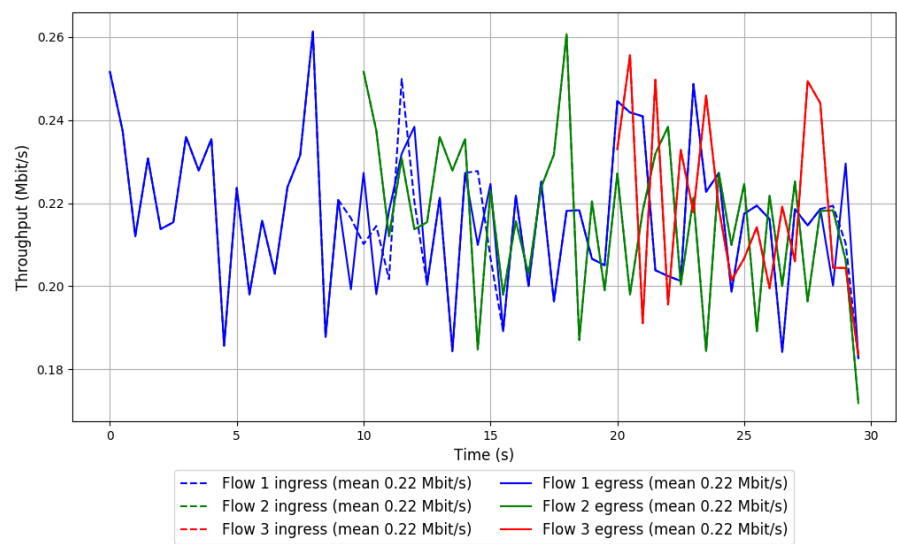


Run 9: Statistics of SReAM

Start at: 2018-02-16 17:00:19
End at: 2018-02-16 17:00:49
Local clock offset: -5.832 ms
Remote clock offset: -4.853 ms

Below is generated by plot.py at 2018-02-16 18:00:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.445 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.435 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.448 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.461 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

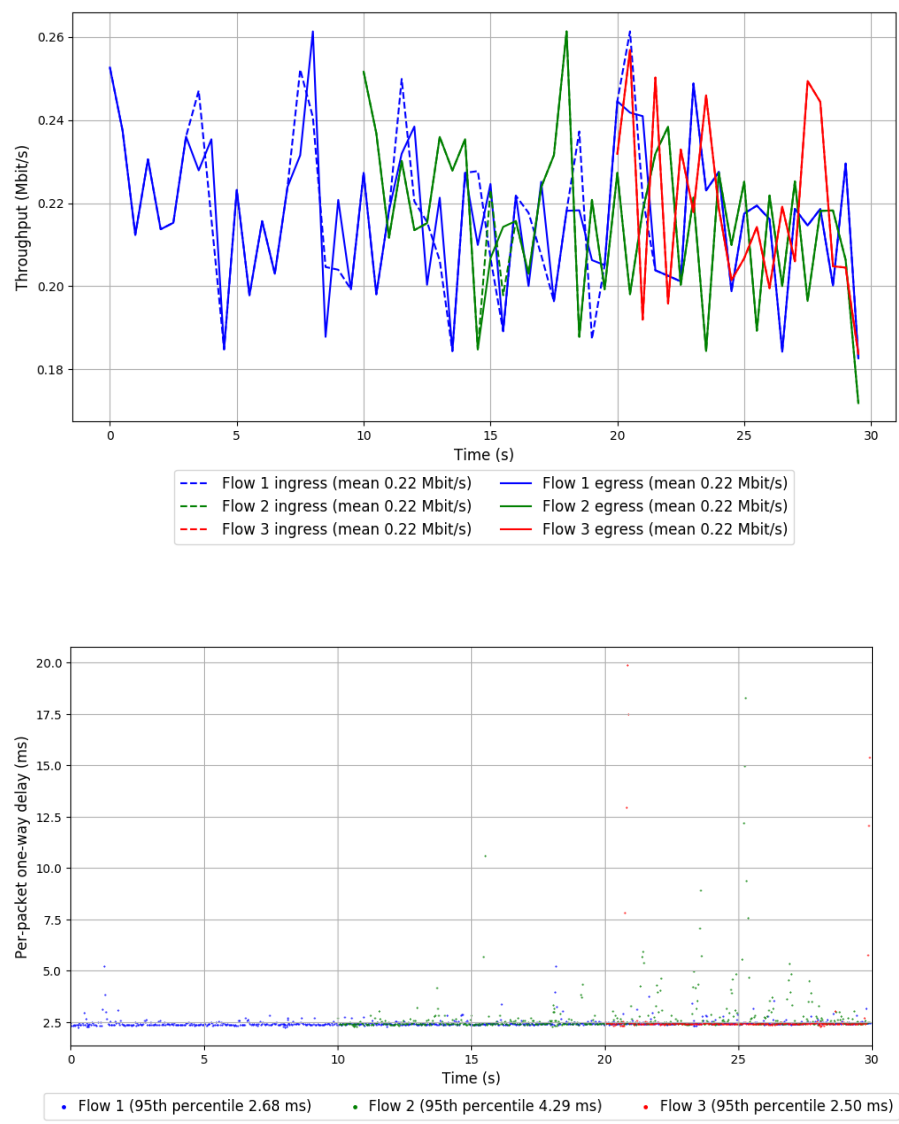


Run 10: Statistics of SReAM

Start at: 2018-02-16 17:20:52
End at: 2018-02-16 17:21:22
Local clock offset: -2.347 ms
Remote clock offset: -5.216 ms

Below is generated by plot.py at 2018-02-16 18:00:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 3.091 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.681 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.286 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.495 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

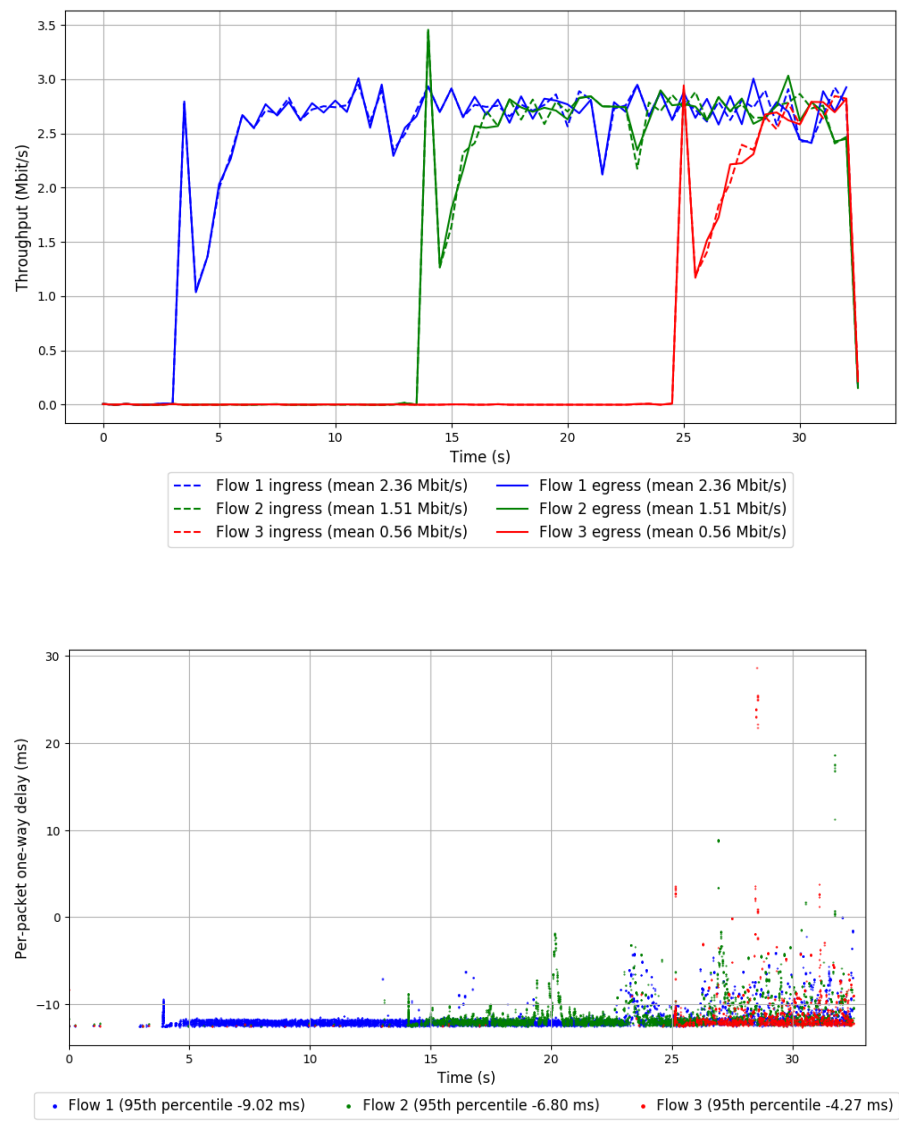


Run 1: Statistics of WebRTC media

Start at: 2018-02-16 14:00:13
End at: 2018-02-16 14:00:43
Local clock offset: -4.757 ms
Remote clock offset: -20.333 ms

Below is generated by plot.py at 2018-02-16 18:00:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: -7.651 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: -9.019 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: -6.801 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: -4.272 ms
Loss rate: 0.05%

Run 1: Report of WebRTC media — Data Link

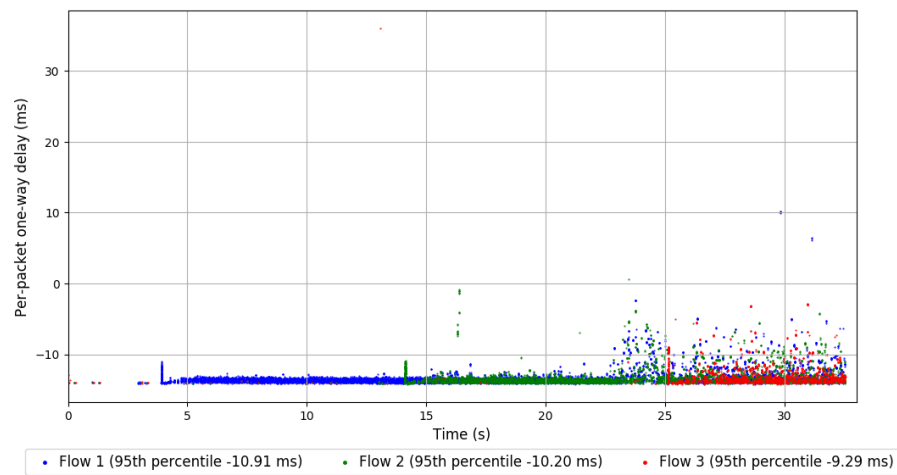
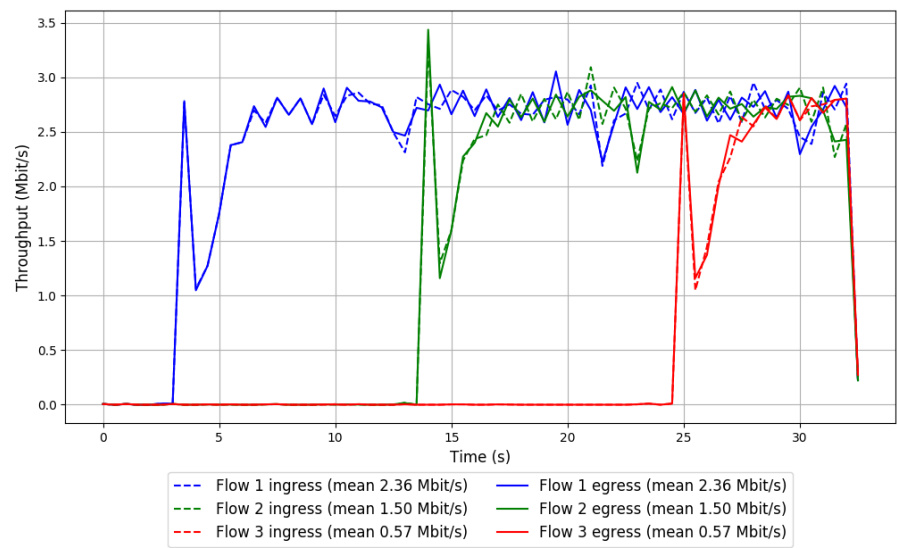


Run 2: Statistics of WebRTC media

Start at: 2018-02-16 14:20:46
End at: 2018-02-16 14:21:16
Local clock offset: -6.261 ms
Remote clock offset: -21.82 ms

Below is generated by plot.py at 2018-02-16 18:00:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: -10.213 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: -10.912 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: -10.195 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: -9.285 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

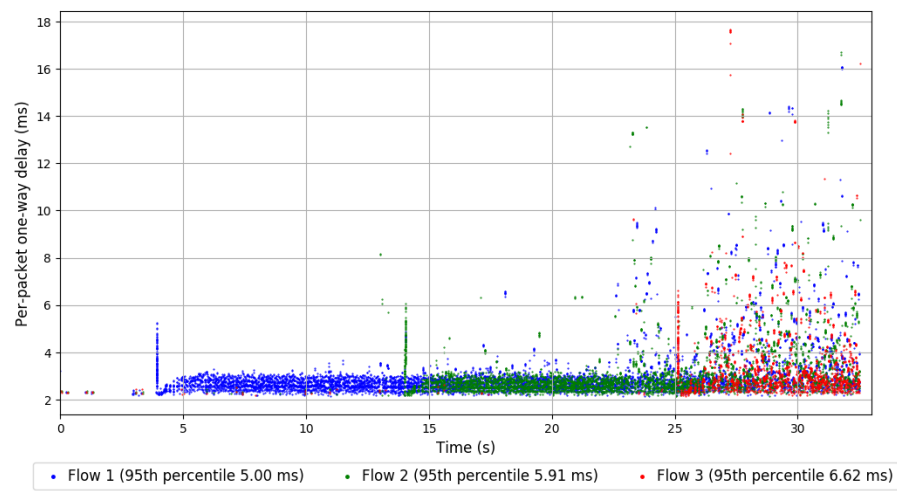
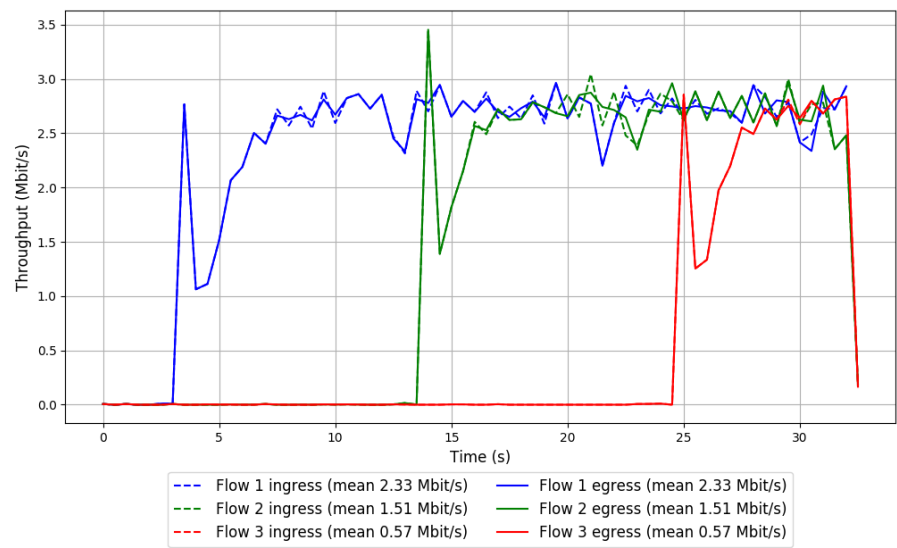


Run 3: Statistics of WebRTC media

Start at: 2018-02-16 14:41:17
End at: 2018-02-16 14:41:47
Local clock offset: -8.783 ms
Remote clock offset: -4.685 ms

Below is generated by plot.py at 2018-02-16 18:00:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 5.783 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 5.005 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 5.905 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 6.615 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

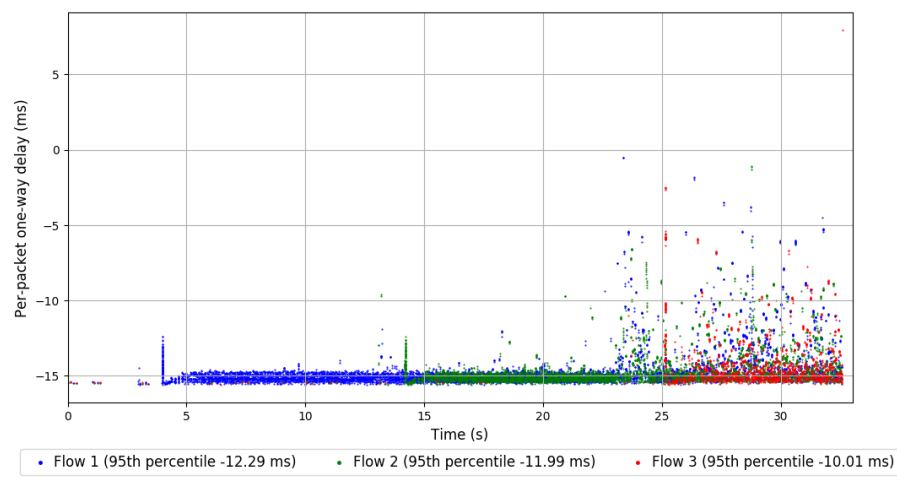
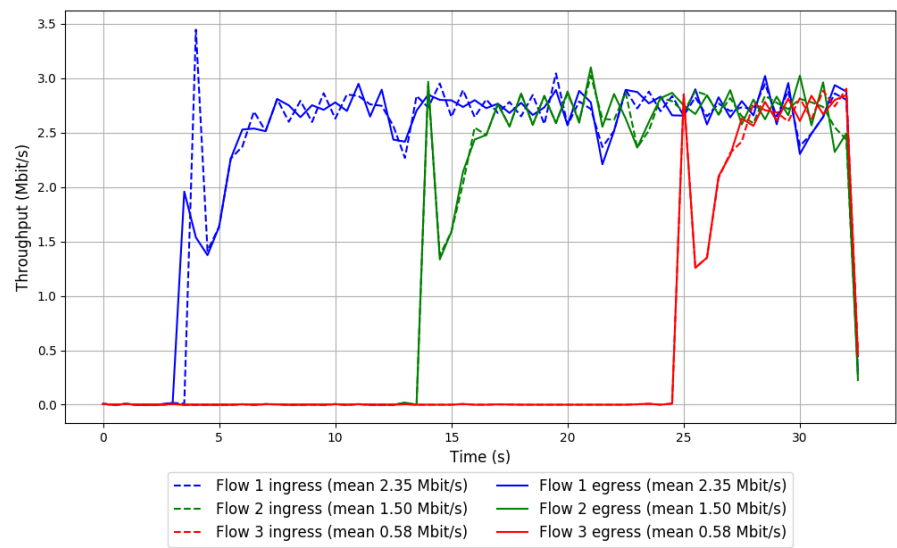


Run 4: Statistics of WebRTC media

Start at: 2018-02-16 15:01:49
End at: 2018-02-16 15:02:19
Local clock offset: -7.465 ms
Remote clock offset: -21.747 ms

Below is generated by plot.py at 2018-02-16 18:00:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: -11.876 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -12.292 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: -11.991 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: -10.009 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

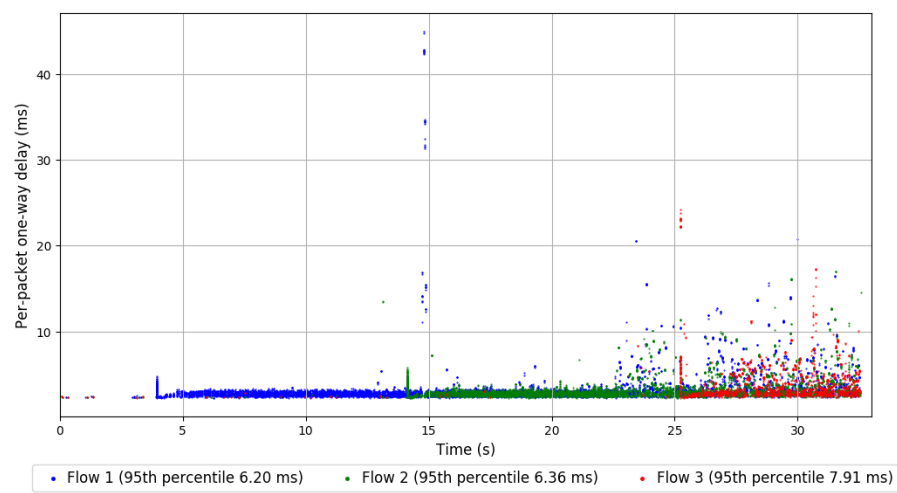
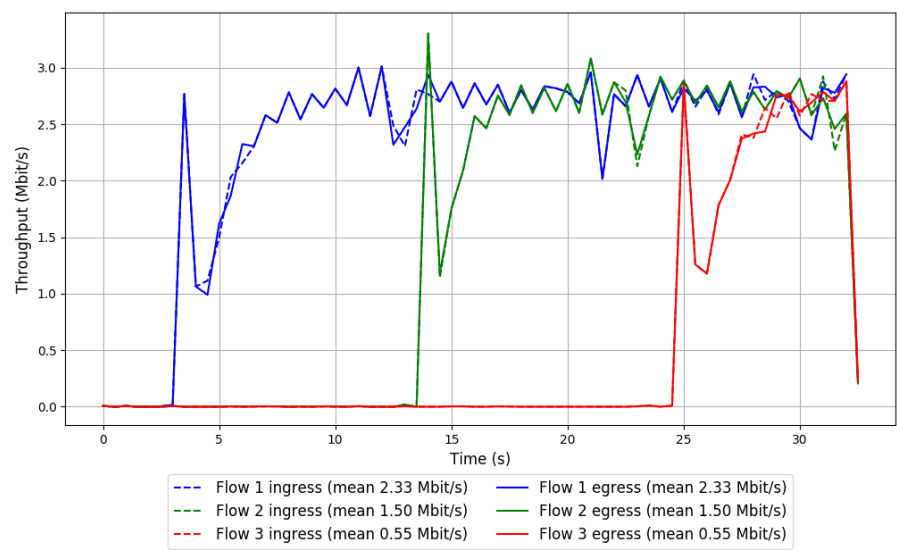


Run 5: Statistics of WebRTC media

Start at: 2018-02-16 15:22:21
End at: 2018-02-16 15:22:51
Local clock offset: -6.941 ms
Remote clock offset: -4.227 ms

Below is generated by plot.py at 2018-02-16 18:00:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 6.490 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 6.196 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 6.362 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 7.909 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

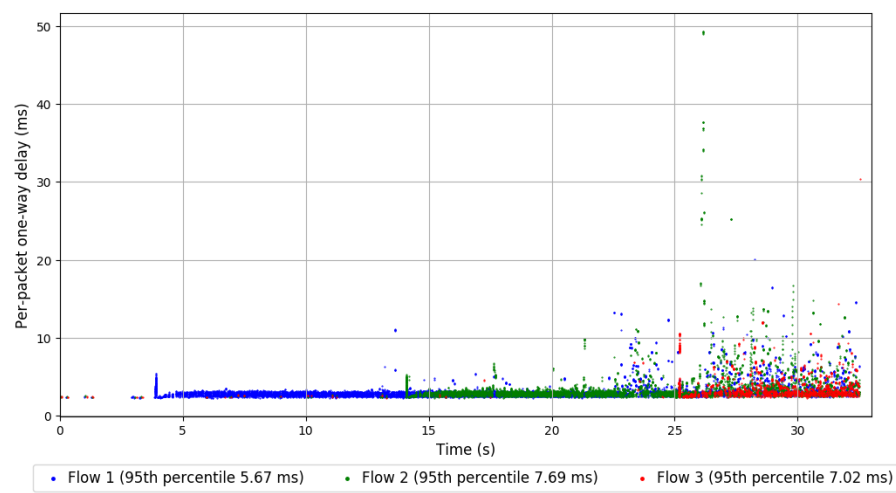
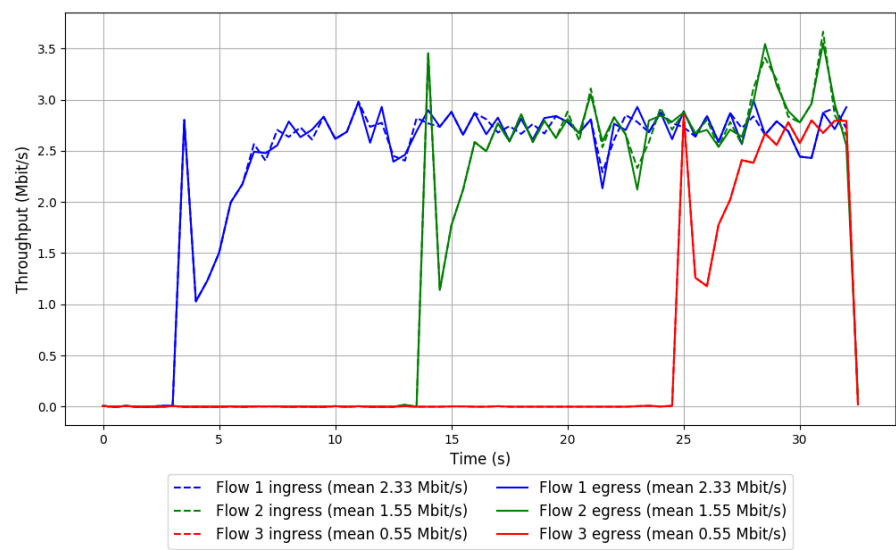


Run 6: Statistics of WebRTC media

Start at: 2018-02-16 15:42:54
End at: 2018-02-16 15:43:24
Local clock offset: -3.84 ms
Remote clock offset: -4.169 ms

Below is generated by plot.py at 2018-02-16 18:00:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 6.545 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 5.669 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 7.686 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 7.016 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

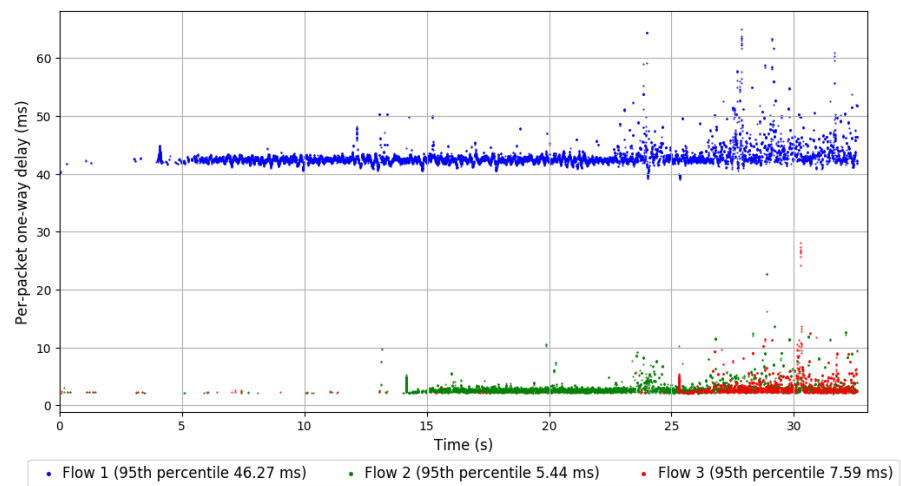
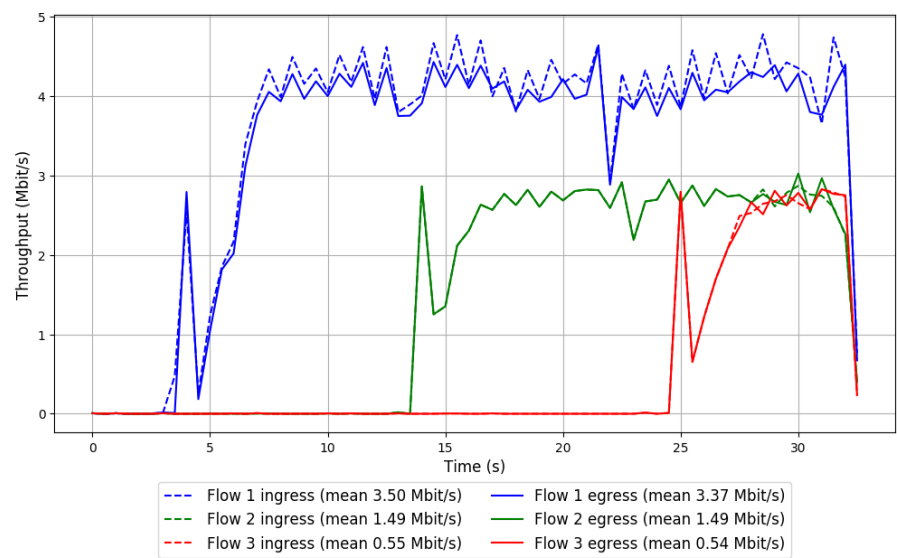


Run 7: Statistics of WebRTC media

Start at: 2018-02-16 16:03:22
End at: 2018-02-16 16:03:52
Local clock offset: -4.816 ms
Remote clock offset: -3.982 ms

```
# Below is generated by plot.py at 2018-02-16 18:00:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.40 Mbit/s
95th percentile per-packet one-way delay: 45.051 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 46.271 ms
Loss rate: 4.02%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 5.439 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 7.591 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

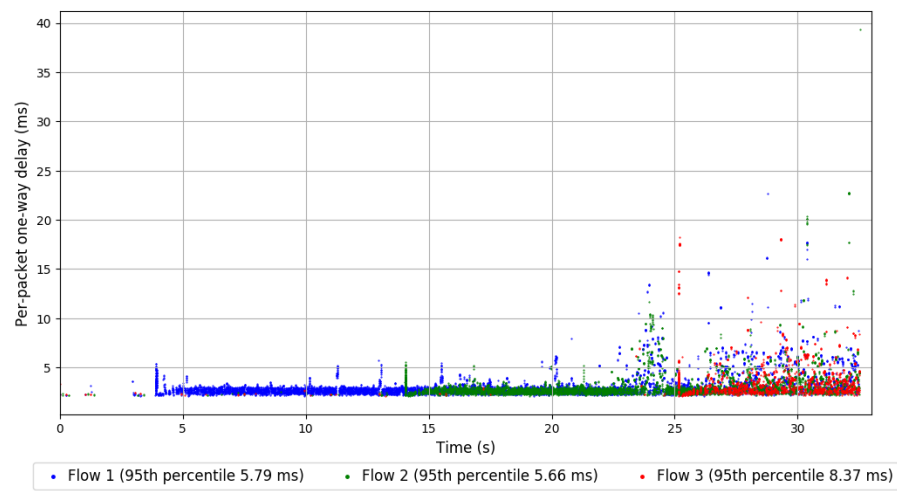
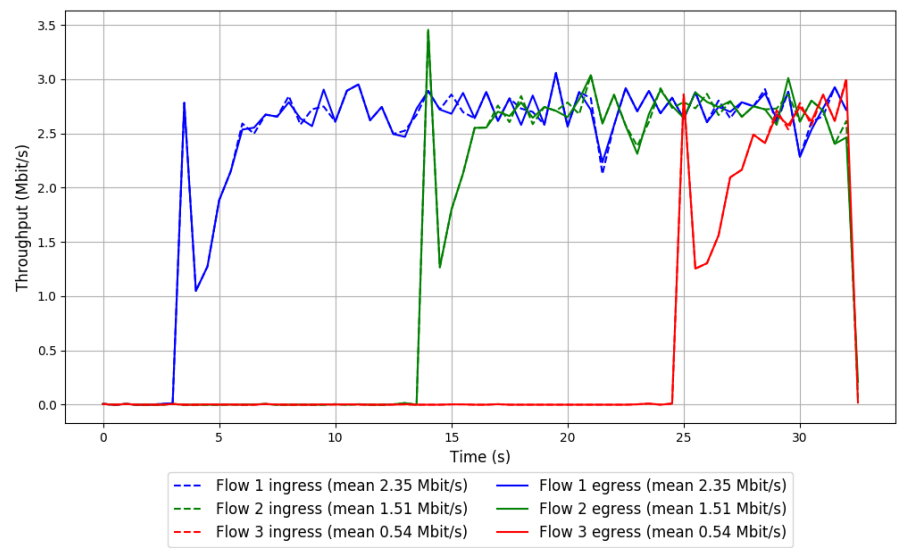


Run 8: Statistics of WebRTC media

Start at: 2018-02-16 16:23:54
End at: 2018-02-16 16:24:24
Local clock offset: -6.503 ms
Remote clock offset: -4.347 ms

```
# Below is generated by plot.py at 2018-02-16 18:00:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 6.010 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 5.788 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 5.662 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 8.370 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

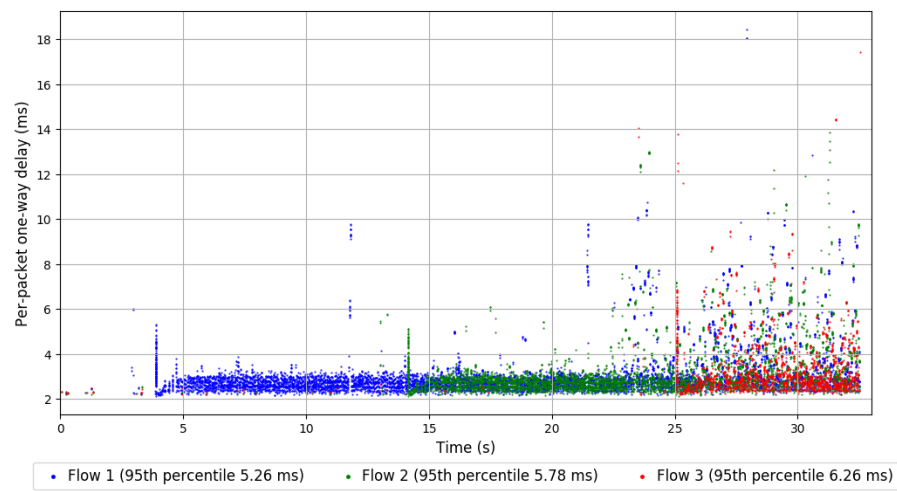
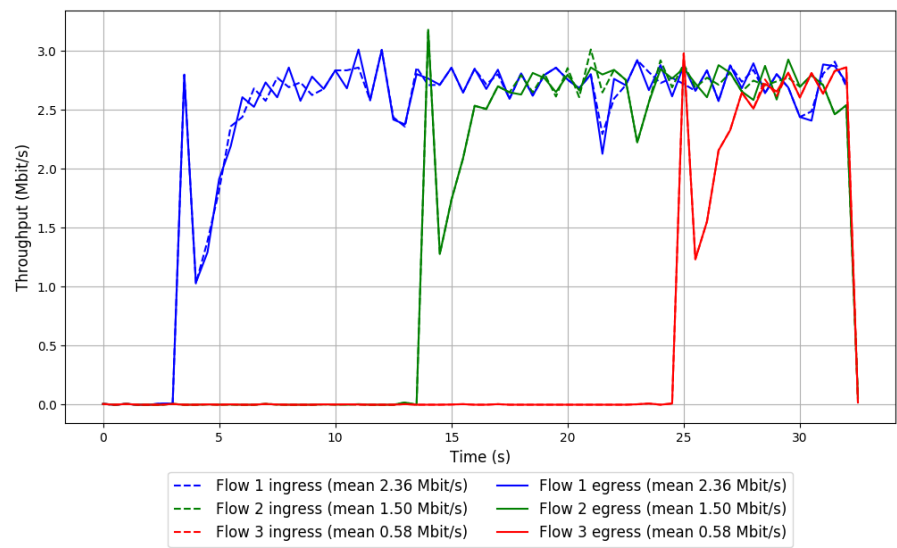


Run 9: Statistics of WebRTC media

Start at: 2018-02-16 16:44:22
End at: 2018-02-16 16:44:53
Local clock offset: -6.076 ms
Remote clock offset: -4.564 ms

Below is generated by plot.py at 2018-02-16 18:00:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 5.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 5.258 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 5.782 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 6.259 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

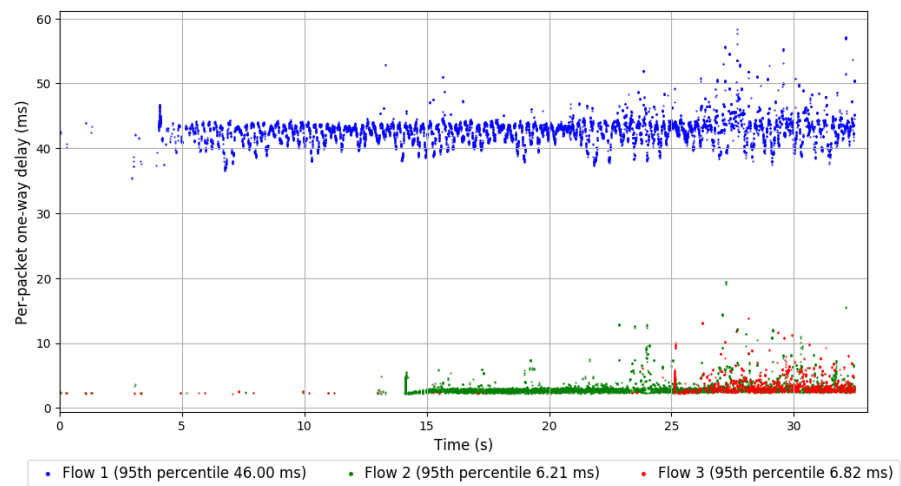
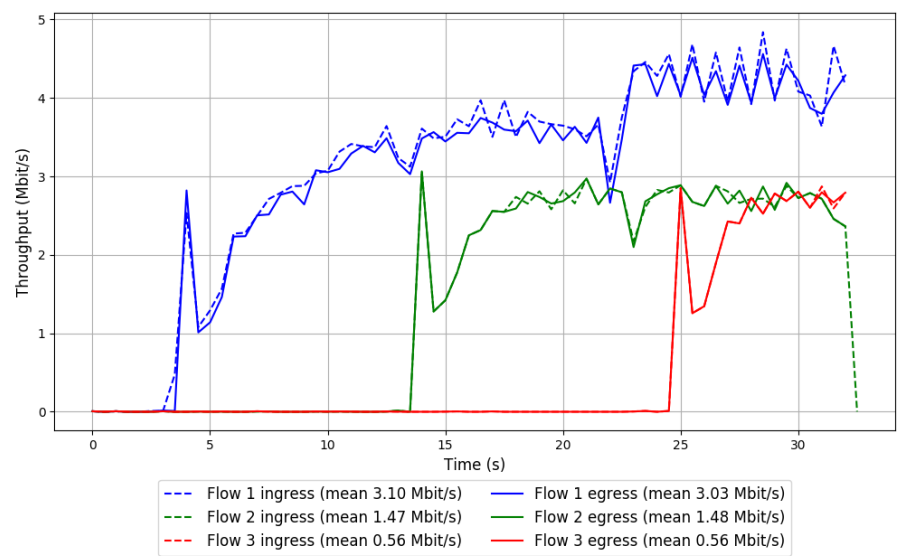


Run 10: Statistics of WebRTC media

Start at: 2018-02-16 17:04:54
End at: 2018-02-16 17:05:24
Local clock offset: -5.857 ms
Remote clock offset: -4.998 ms

Below is generated by plot.py at 2018-02-16 18:00:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.06 Mbit/s
95th percentile per-packet one-way delay: 45.002 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 46.004 ms
Loss rate: 2.62%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 6.212 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 6.819 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

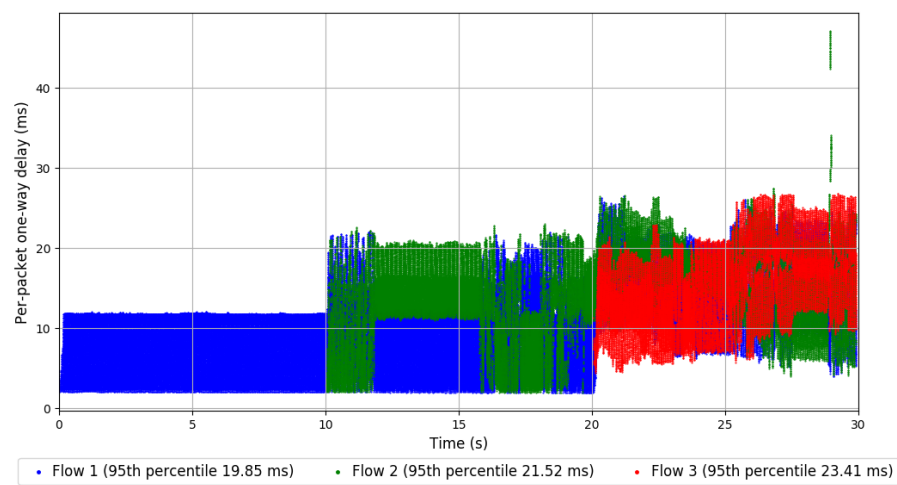
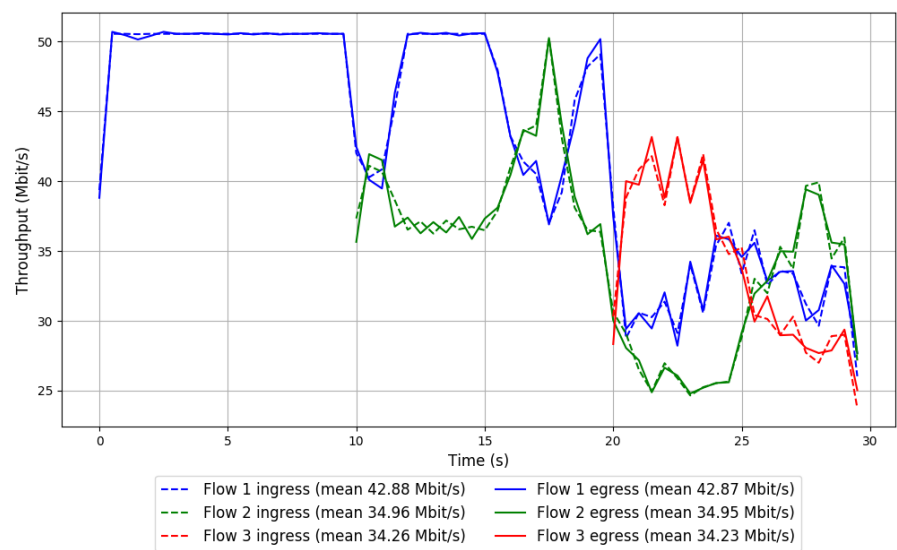


Run 1: Statistics of Sprout

Start at: 2018-02-16 14:15:04
End at: 2018-02-16 14:15:34
Local clock offset: -4.203 ms
Remote clock offset: -5.615 ms

Below is generated by plot.py at 2018-02-16 18:01:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.41 Mbit/s
95th percentile per-packet one-way delay: 20.994 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.87 Mbit/s
95th percentile per-packet one-way delay: 19.850 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.95 Mbit/s
95th percentile per-packet one-way delay: 21.520 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.23 Mbit/s
95th percentile per-packet one-way delay: 23.413 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

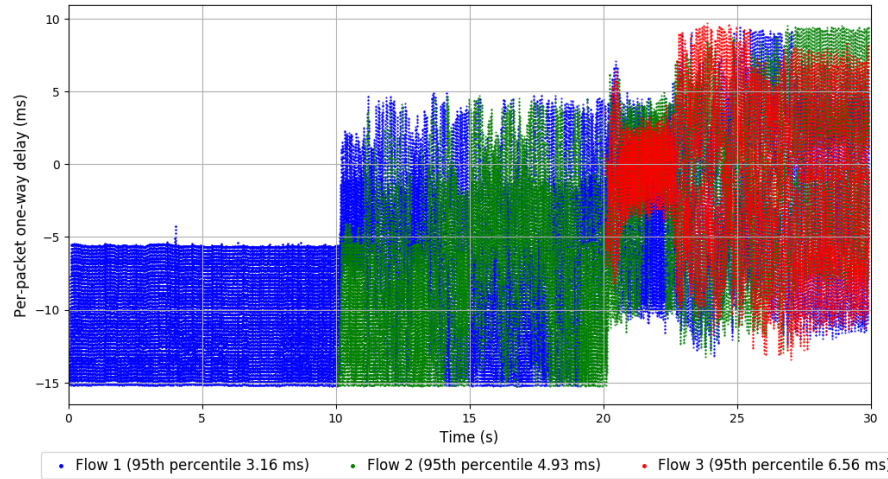
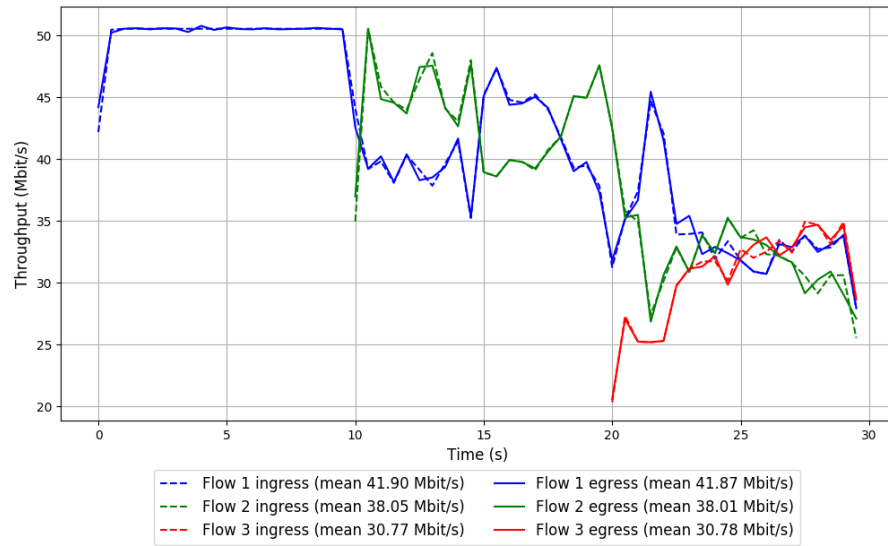


Run 2: Statistics of Sprout

Start at: 2018-02-16 14:35:36
End at: 2018-02-16 14:36:06
Local clock offset: -8.358 ms
Remote clock offset: -22.666 ms

Below is generated by plot.py at 2018-02-16 18:01:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.29 Mbit/s
95th percentile per-packet one-way delay: 4.479 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.87 Mbit/s
95th percentile per-packet one-way delay: 3.158 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.01 Mbit/s
95th percentile per-packet one-way delay: 4.926 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.78 Mbit/s
95th percentile per-packet one-way delay: 6.559 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

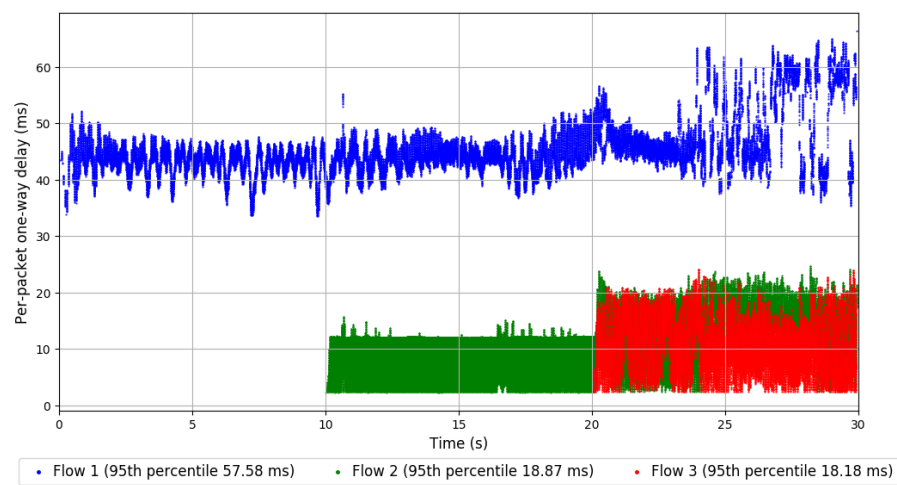
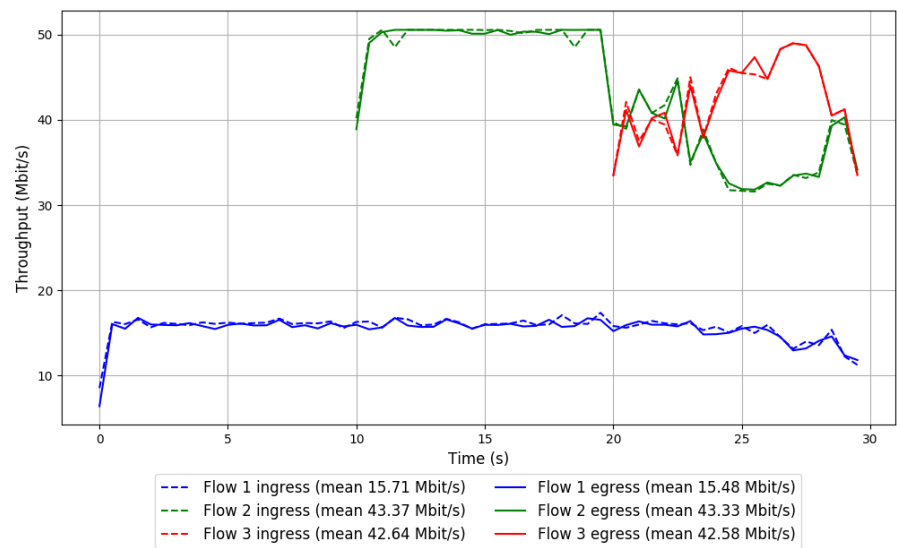


Run 3: Statistics of Sprout

Start at: 2018-02-16 14:56:09
End at: 2018-02-16 14:56:39
Local clock offset: -7.917 ms
Remote clock offset: -4.063 ms

```
# Below is generated by plot.py at 2018-02-16 18:01:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.47 Mbit/s
95th percentile per-packet one-way delay: 47.320 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 57.580 ms
Loss rate: 1.42%
-- Flow 2:
Average throughput: 43.33 Mbit/s
95th percentile per-packet one-way delay: 18.866 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.58 Mbit/s
95th percentile per-packet one-way delay: 18.181 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

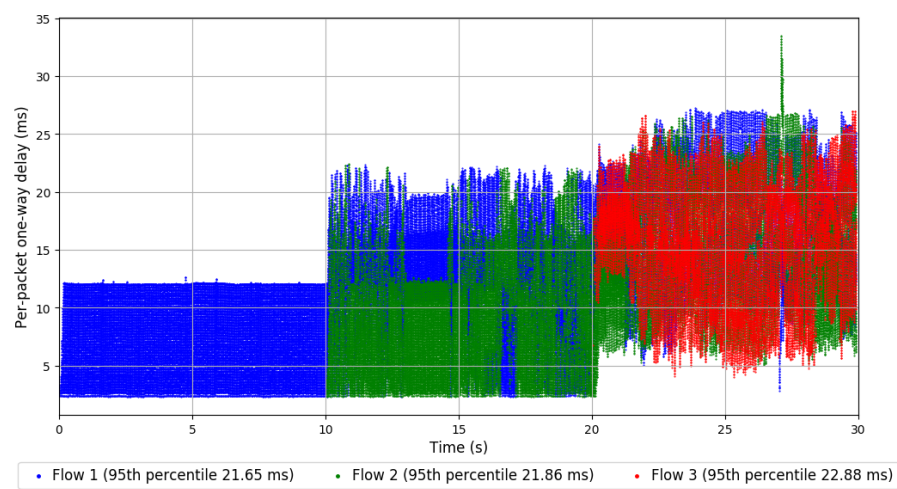
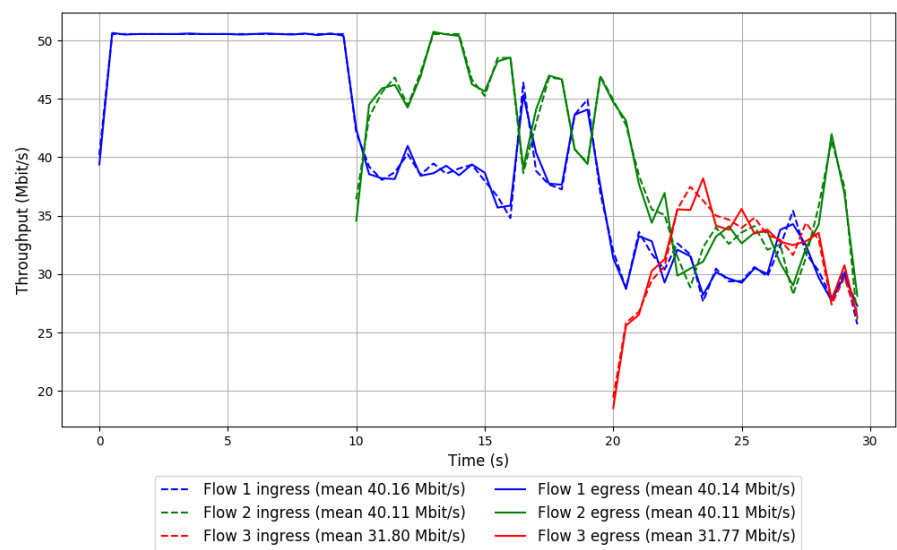


Run 4: Statistics of Sprout

Start at: 2018-02-16 15:16:39
End at: 2018-02-16 15:17:09
Local clock offset: -7.029 ms
Remote clock offset: -4.208 ms

```
# Below is generated by plot.py at 2018-02-16 18:01:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.29 Mbit/s
95th percentile per-packet one-way delay: 22.035 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.14 Mbit/s
95th percentile per-packet one-way delay: 21.650 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.11 Mbit/s
95th percentile per-packet one-way delay: 21.857 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.77 Mbit/s
95th percentile per-packet one-way delay: 22.875 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

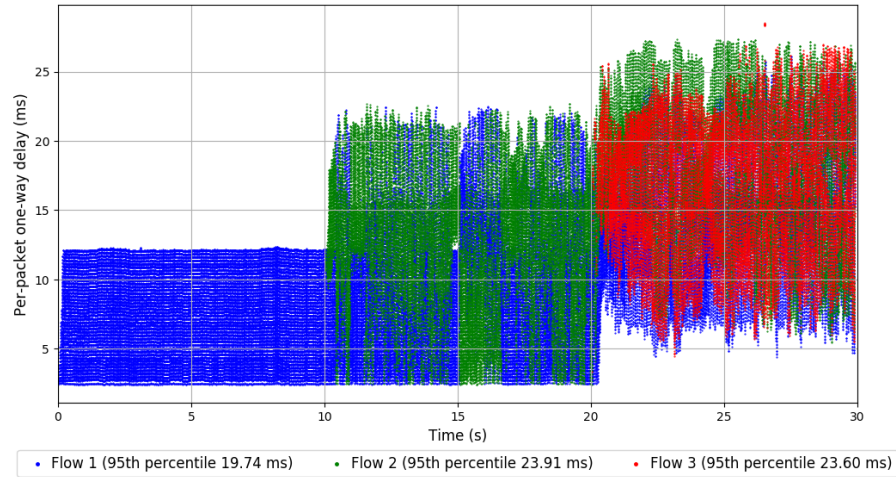
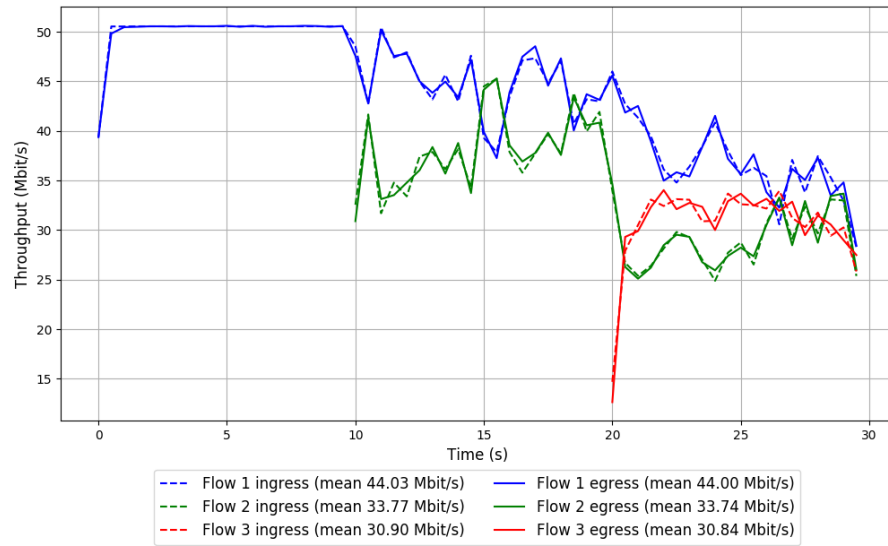


Run 5: Statistics of Sprout

Start at: 2018-02-16 15:37:12
End at: 2018-02-16 15:37:42
Local clock offset: -4.284 ms
Remote clock offset: -4.185 ms

```
# Below is generated by plot.py at 2018-02-16 18:01:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.64 Mbit/s
95th percentile per-packet one-way delay: 22.219 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.00 Mbit/s
95th percentile per-packet one-way delay: 19.736 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.74 Mbit/s
95th percentile per-packet one-way delay: 23.910 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.84 Mbit/s
95th percentile per-packet one-way delay: 23.601 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

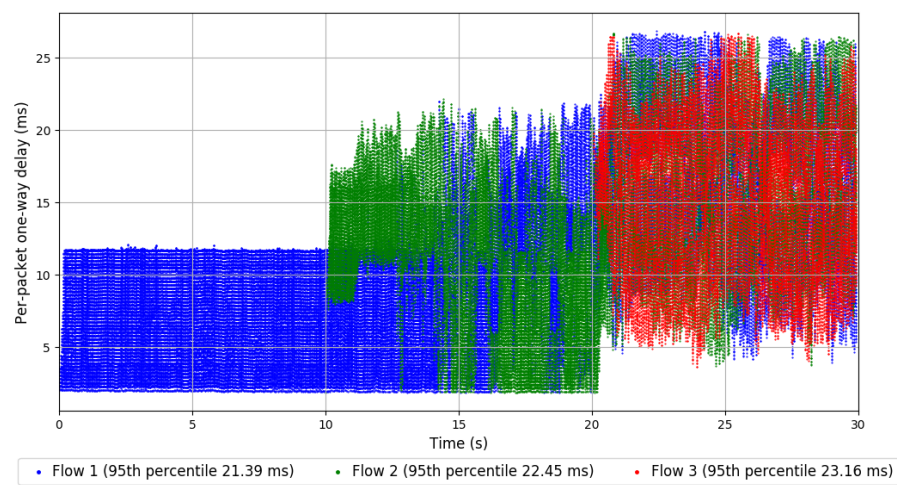
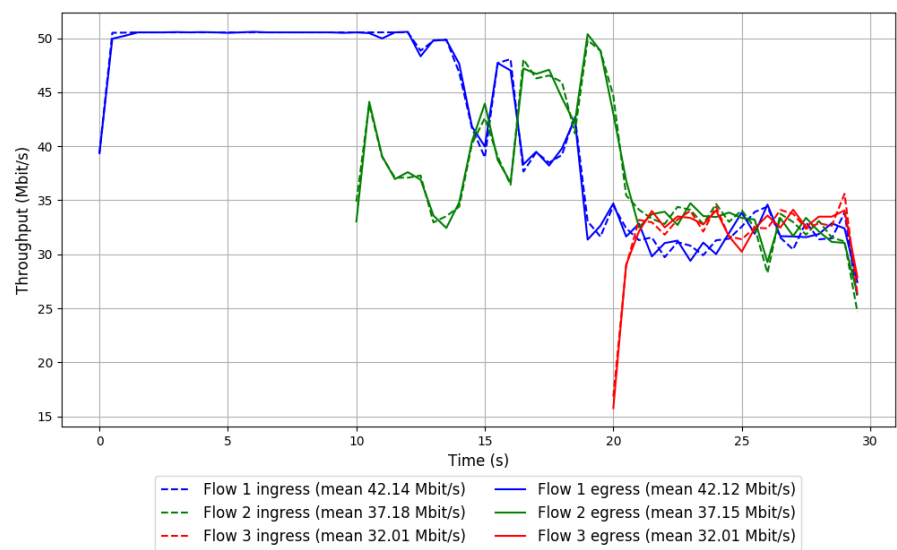


Run 6: Statistics of Sprout

Start at: 2018-02-16 15:57:41
End at: 2018-02-16 15:58:11
Local clock offset: -2.954 ms
Remote clock offset: -4.077 ms

Below is generated by plot.py at 2018-02-16 18:01:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.39 Mbit/s
95th percentile per-packet one-way delay: 22.200 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.12 Mbit/s
95th percentile per-packet one-way delay: 21.385 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.15 Mbit/s
95th percentile per-packet one-way delay: 22.445 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.01 Mbit/s
95th percentile per-packet one-way delay: 23.157 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

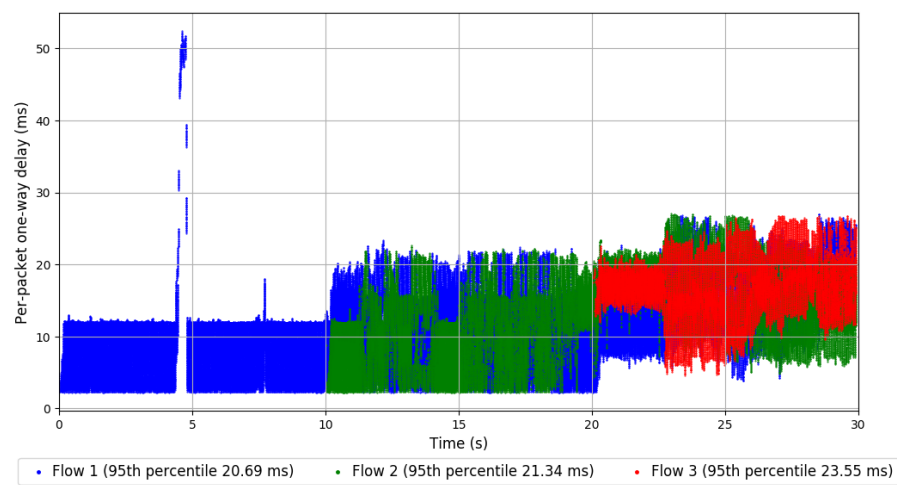
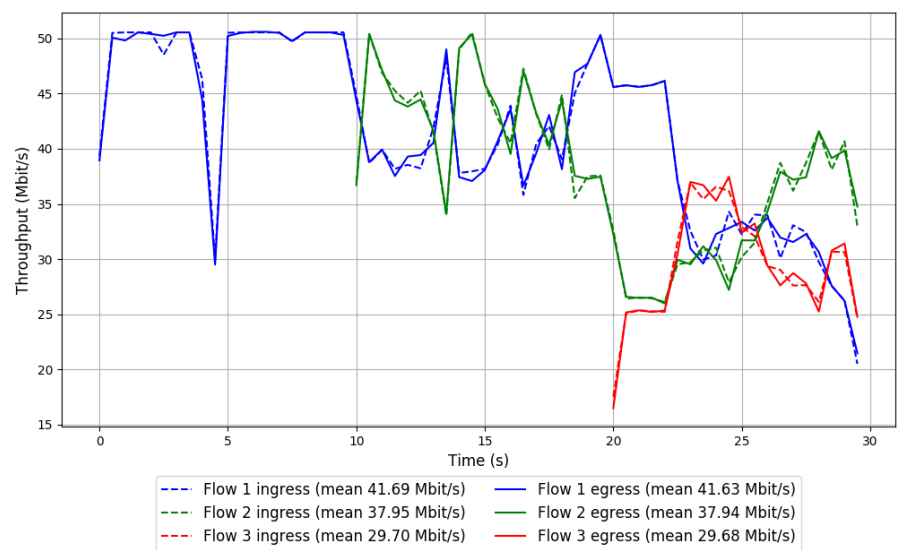


Run 7: Statistics of Sprout

Start at: 2018-02-16 16:18:13
End at: 2018-02-16 16:18:43
Local clock offset: -6.311 ms
Remote clock offset: -4.091 ms

Below is generated by plot.py at 2018-02-16 18:01:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.65 Mbit/s
95th percentile per-packet one-way delay: 21.499 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 41.63 Mbit/s
95th percentile per-packet one-way delay: 20.690 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 21.337 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 23.553 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

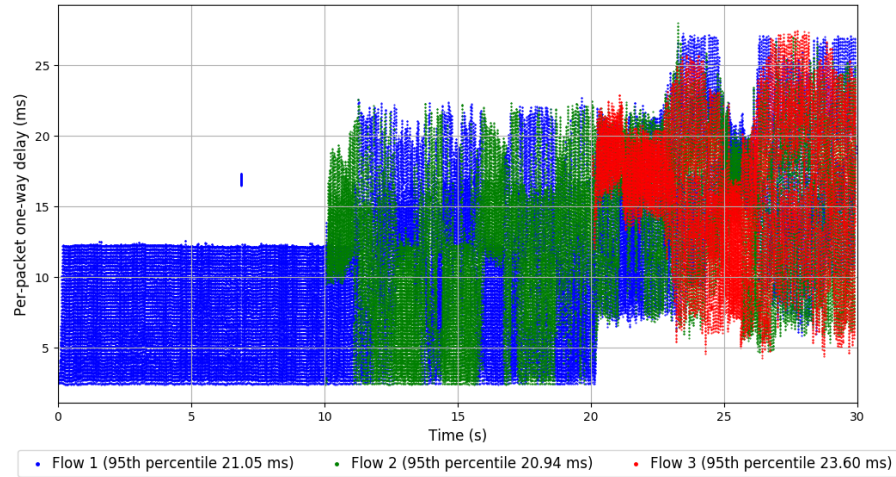
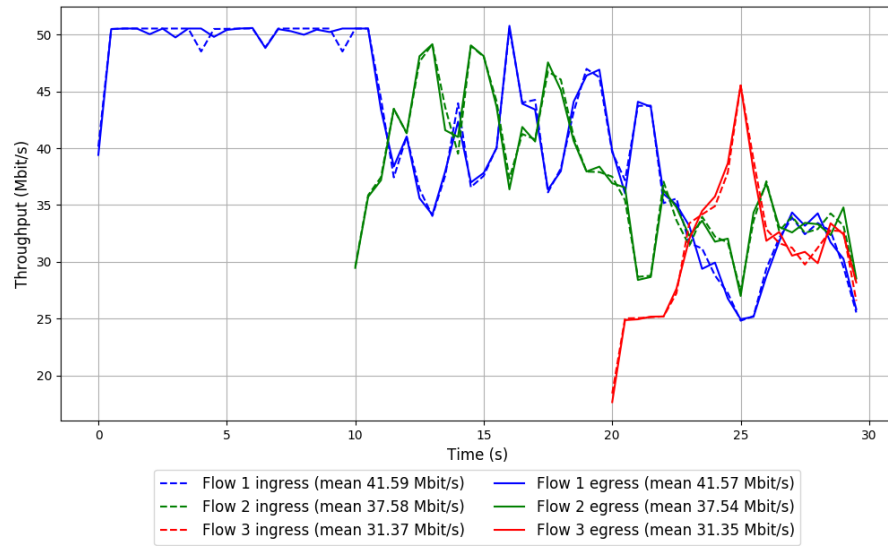


Run 8: Statistics of Sprout

Start at: 2018-02-16 16:38:41
End at: 2018-02-16 16:39:11
Local clock offset: -6.274 ms
Remote clock offset: -4.473 ms

```
# Below is generated by plot.py at 2018-02-16 18:01:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.89 Mbit/s
95th percentile per-packet one-way delay: 21.565 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.57 Mbit/s
95th percentile per-packet one-way delay: 21.053 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.54 Mbit/s
95th percentile per-packet one-way delay: 20.941 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.35 Mbit/s
95th percentile per-packet one-way delay: 23.601 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

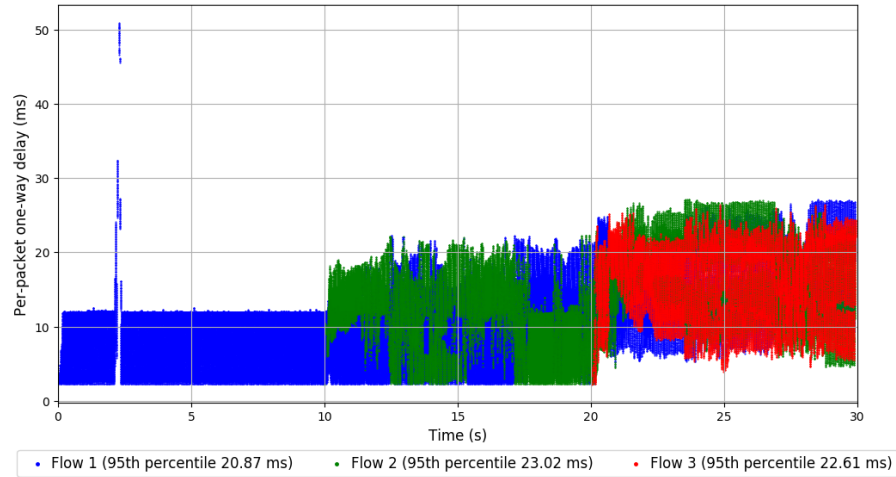
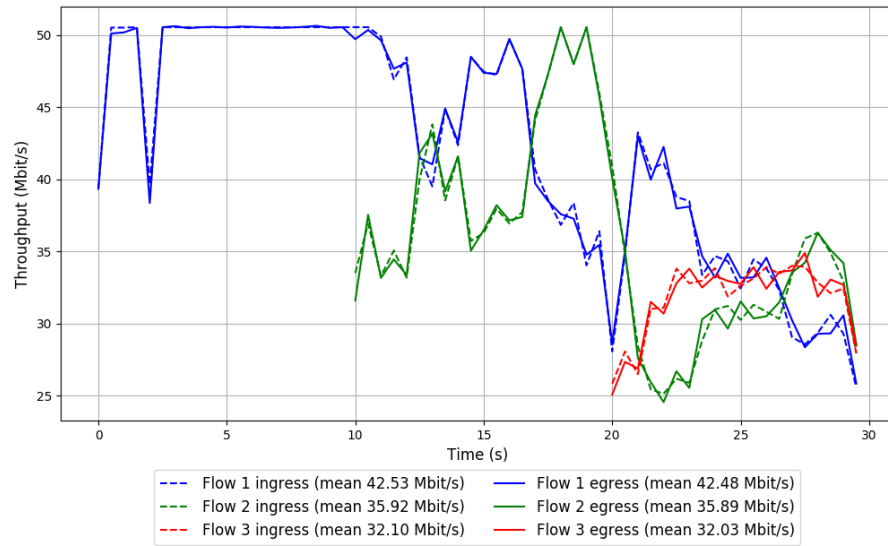


Run 9: Statistics of Sprout

Start at: 2018-02-16 16:59:13
End at: 2018-02-16 16:59:43
Local clock offset: -5.787 ms
Remote clock offset: -4.831 ms

Below is generated by plot.py at 2018-02-16 18:02:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.94 Mbit/s
95th percentile per-packet one-way delay: 22.128 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 42.48 Mbit/s
95th percentile per-packet one-way delay: 20.869 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 35.89 Mbit/s
95th percentile per-packet one-way delay: 23.020 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.03 Mbit/s
95th percentile per-packet one-way delay: 22.614 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

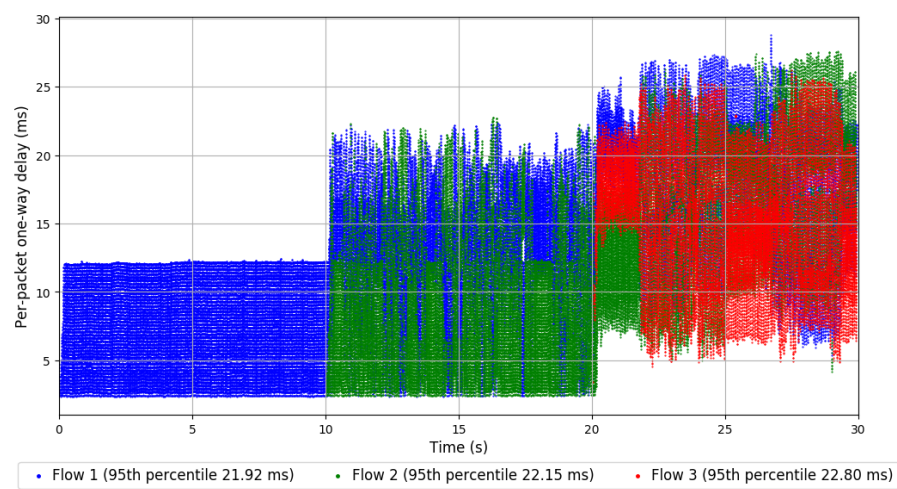
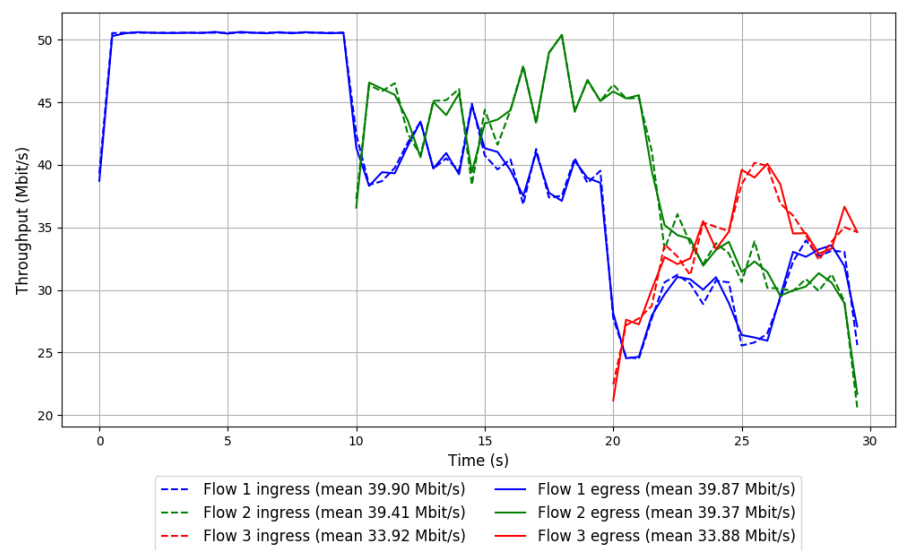


Run 10: Statistics of Sprout

Start at: 2018-02-16 17:19:45
End at: 2018-02-16 17:20:15
Local clock offset: -2.498 ms
Remote clock offset: -5.134 ms

Below is generated by plot.py at 2018-02-16 18:02:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.26 Mbit/s
95th percentile per-packet one-way delay: 22.178 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 39.87 Mbit/s
95th percentile per-packet one-way delay: 21.921 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.37 Mbit/s
95th percentile per-packet one-way delay: 22.151 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.88 Mbit/s
95th percentile per-packet one-way delay: 22.804 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

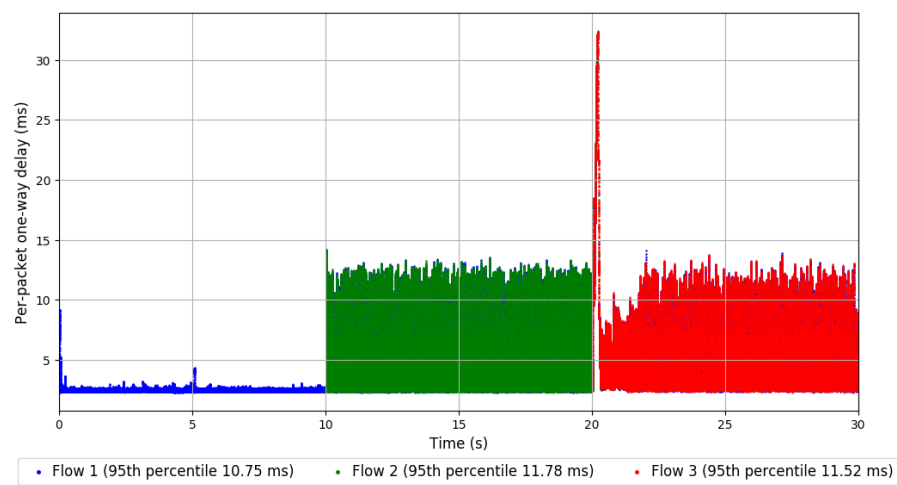
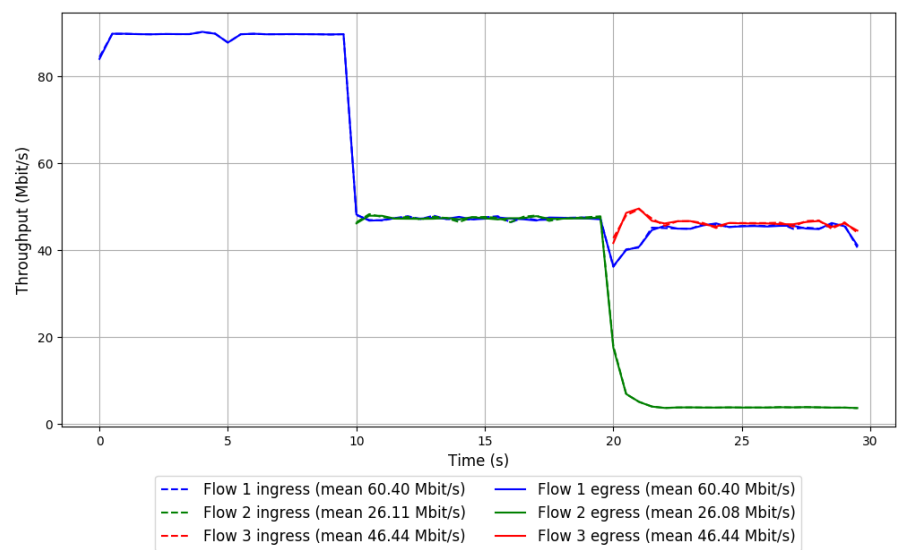


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-16 14:09:19
End at: 2018-02-16 14:09:49
Local clock offset: -4.433 ms
Remote clock offset: -5.644 ms

# Below is generated by plot.py at 2018-02-16 18:03:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 11.209 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 60.40 Mbit/s
95th percentile per-packet one-way delay: 10.749 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 26.08 Mbit/s
95th percentile per-packet one-way delay: 11.778 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 46.44 Mbit/s
95th percentile per-packet one-way delay: 11.519 ms
Loss rate: 0.01%
```


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

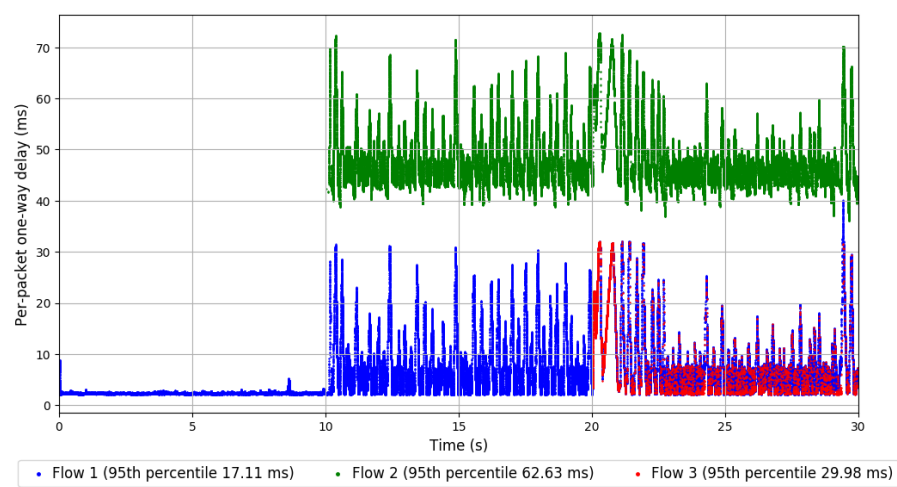
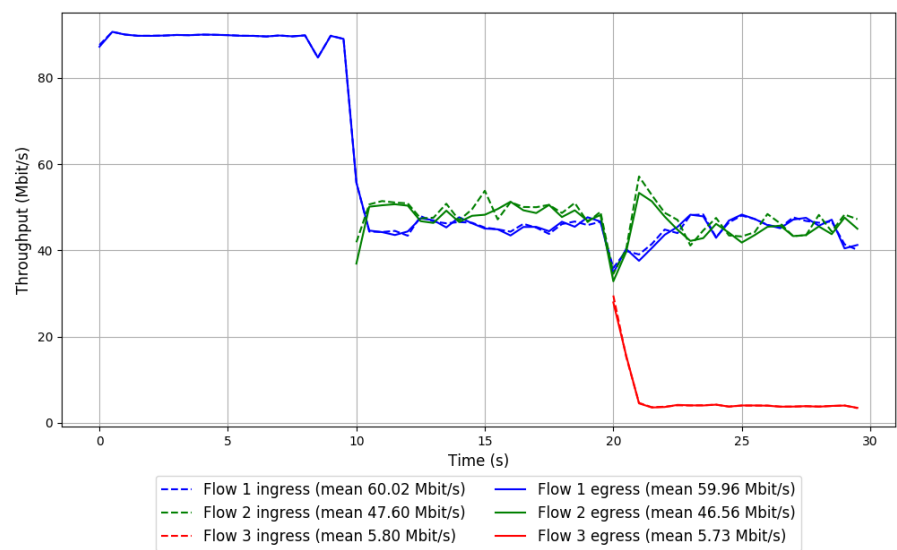


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-02-16 14:29:53
End at: 2018-02-16 14:30:23
Local clock offset: -7.82 ms
Remote clock offset: -5.807 ms

# Below is generated by plot.py at 2018-02-16 18:03:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.81 Mbit/s
95th percentile per-packet one-way delay: 55.115 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 59.96 Mbit/s
95th percentile per-packet one-way delay: 17.110 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 46.56 Mbit/s
95th percentile per-packet one-way delay: 62.632 ms
Loss rate: 2.37%
-- Flow 3:
Average throughput: 5.73 Mbit/s
95th percentile per-packet one-way delay: 29.978 ms
Loss rate: 1.26%
```

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

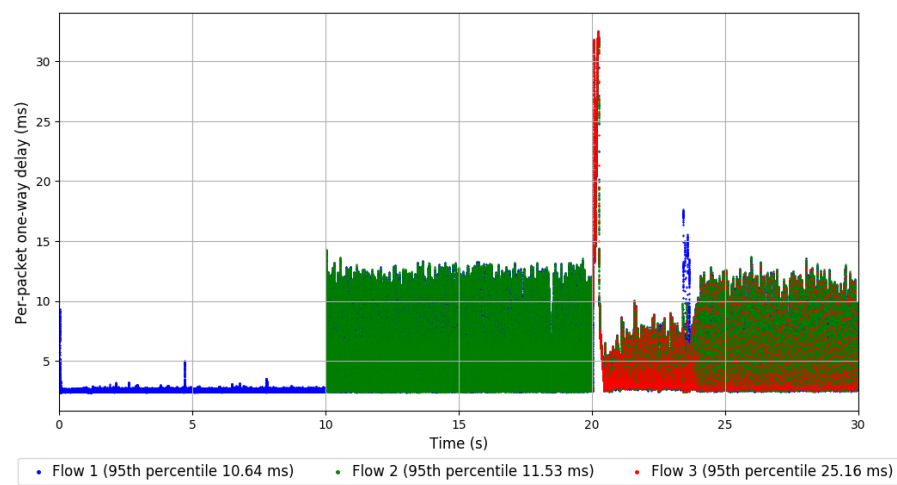
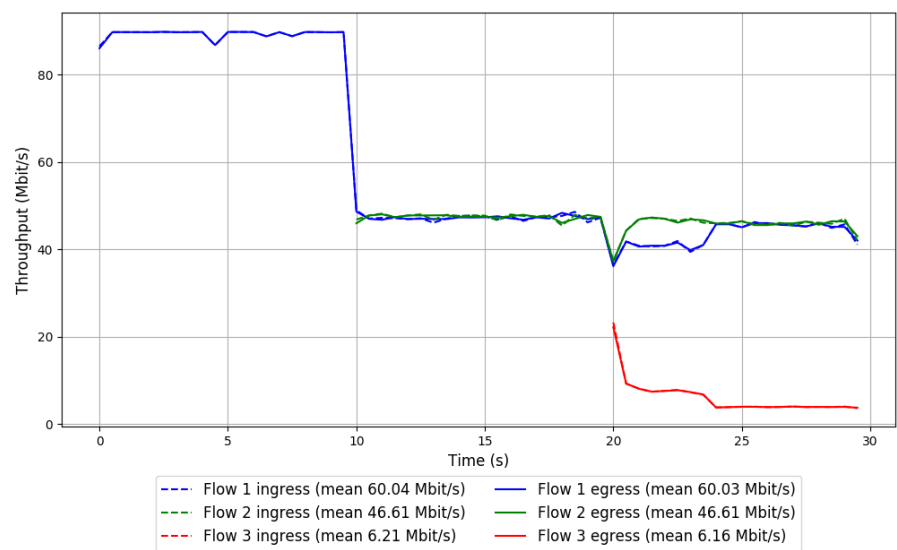


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-16 14:50:24
End at: 2018-02-16 14:50:54
Local clock offset: -8.774 ms
Remote clock offset: -4.213 ms

Below is generated by plot.py at 2018-02-16 18:03:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 11.140 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 60.03 Mbit/s
95th percentile per-packet one-way delay: 10.642 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 46.61 Mbit/s
95th percentile per-packet one-way delay: 11.530 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 6.16 Mbit/s
95th percentile per-packet one-way delay: 25.155 ms
Loss rate: 0.82%

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

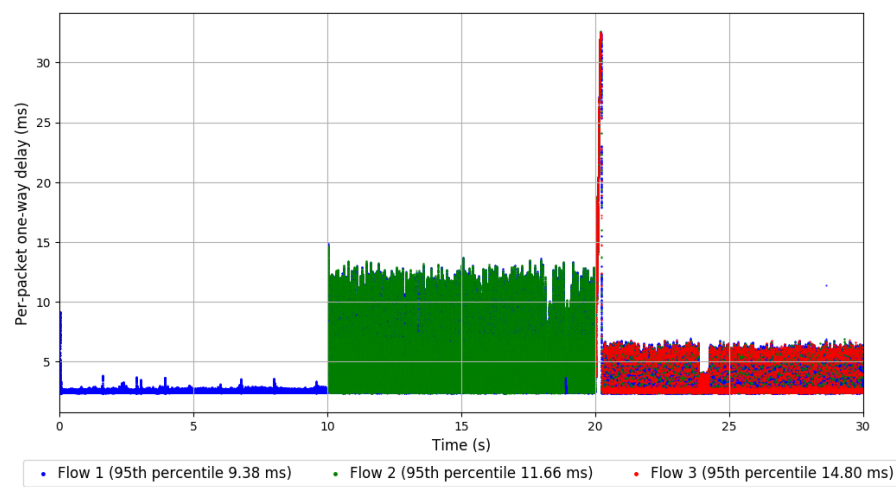
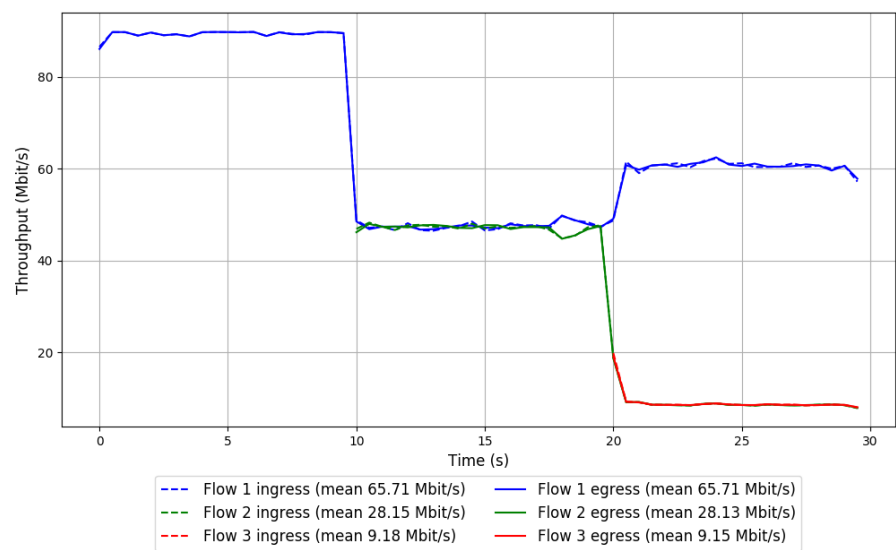


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-16 15:10:55
End at: 2018-02-16 15:11:25
Local clock offset: -7.105 ms
Remote clock offset: -3.965 ms

Below is generated by plot.py at 2018-02-16 18:03:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.47 Mbit/s
95th percentile per-packet one-way delay: 10.558 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 65.71 Mbit/s
95th percentile per-packet one-way delay: 9.383 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 28.13 Mbit/s
95th percentile per-packet one-way delay: 11.664 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 9.15 Mbit/s
95th percentile per-packet one-way delay: 14.797 ms
Loss rate: 0.36%

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

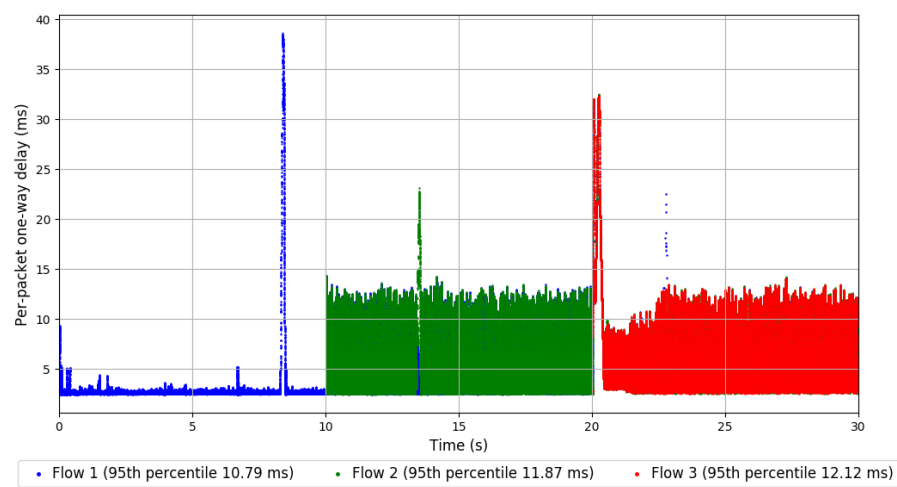
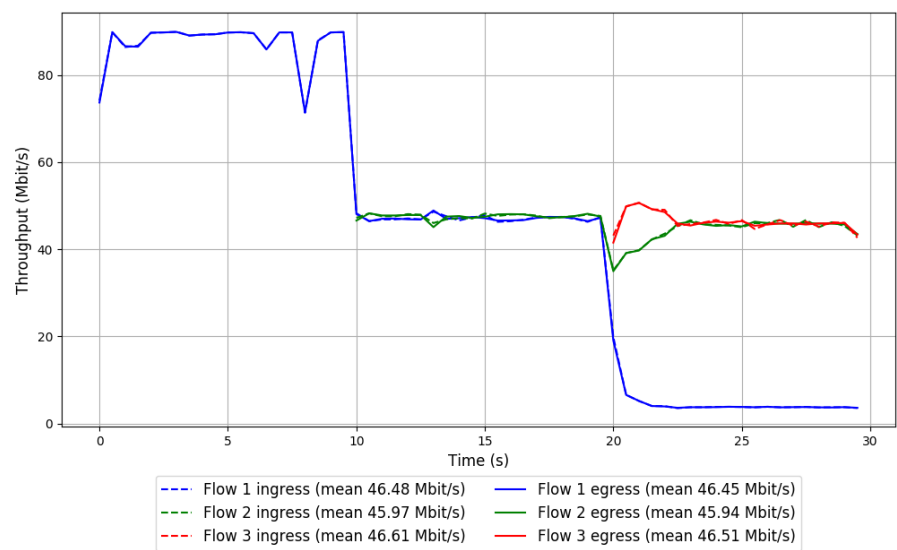


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-16 15:31:28
End at: 2018-02-16 15:31:58
Local clock offset: -5.024 ms
Remote clock offset: -4.205 ms

Below is generated by plot.py at 2018-02-16 18:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.49 Mbit/s
95th percentile per-packet one-way delay: 11.553 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 46.45 Mbit/s
95th percentile per-packet one-way delay: 10.789 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 45.94 Mbit/s
95th percentile per-packet one-way delay: 11.872 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 46.51 Mbit/s
95th percentile per-packet one-way delay: 12.116 ms
Loss rate: 0.14%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-16 15:51:58

End at: 2018-02-16 15:52:28

Local clock offset: -3.194 ms

Remote clock offset: -4.06 ms

Below is generated by plot.py at 2018-02-16 18:04:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.33 Mbit/s

95th percentile per-packet one-way delay: 48.565 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 58.44 Mbit/s

95th percentile per-packet one-way delay: 10.273 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 27.38 Mbit/s

95th percentile per-packet one-way delay: 57.534 ms

Loss rate: 1.92%

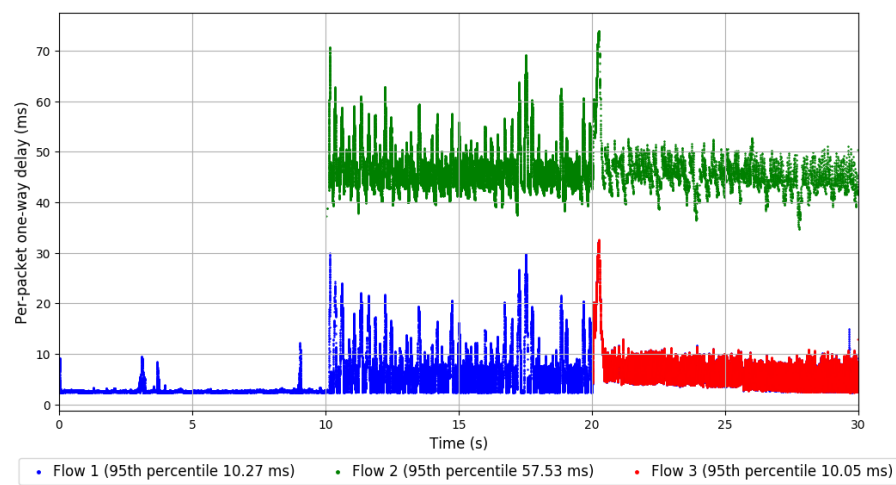
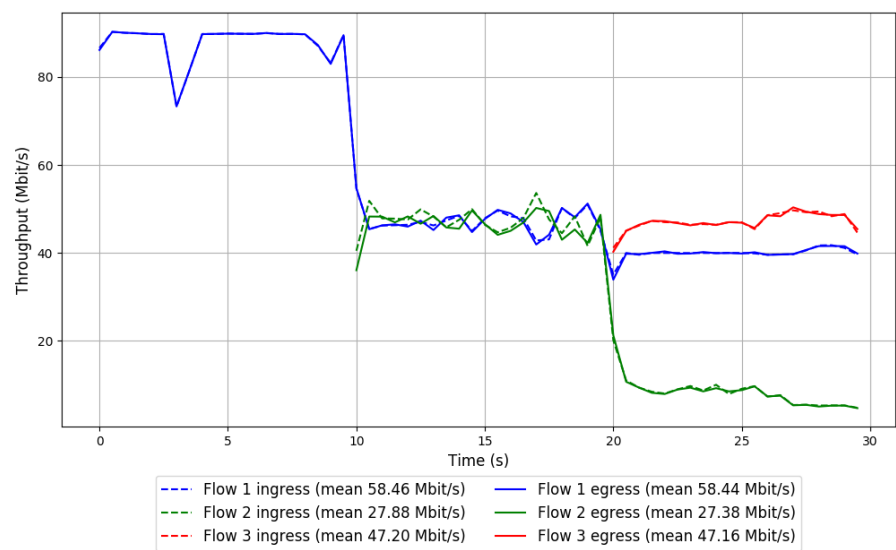
-- Flow 3:

Average throughput: 47.16 Mbit/s

95th percentile per-packet one-way delay: 10.048 ms

Loss rate: 0.02%

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

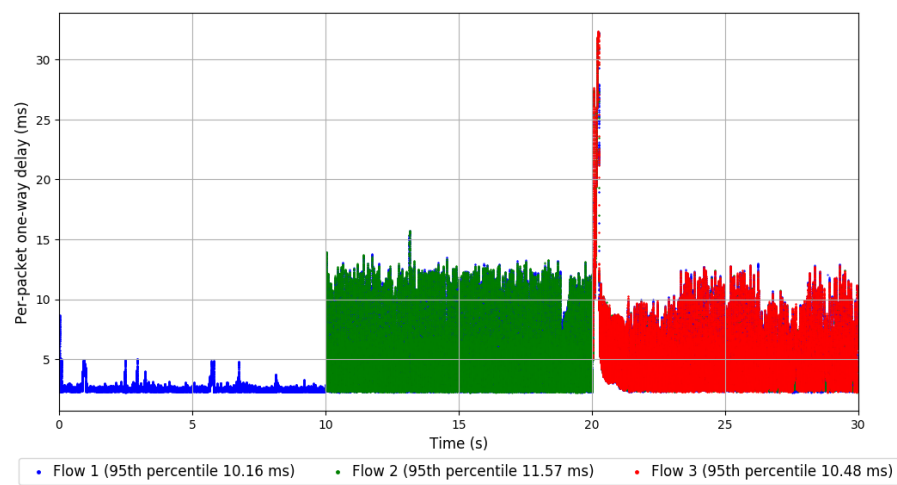
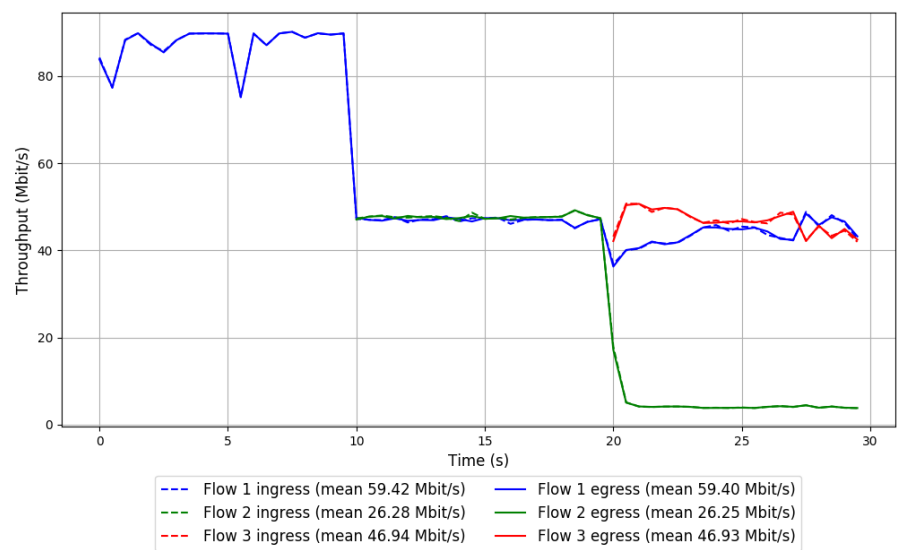


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-16 16:12:28
End at: 2018-02-16 16:12:58
Local clock offset: -5.971 ms
Remote clock offset: -3.883 ms

Below is generated by plot.py at 2018-02-16 18:04:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: 10.697 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 59.40 Mbit/s
95th percentile per-packet one-way delay: 10.165 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 26.25 Mbit/s
95th percentile per-packet one-way delay: 11.572 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 46.93 Mbit/s
95th percentile per-packet one-way delay: 10.480 ms
Loss rate: 0.05%

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

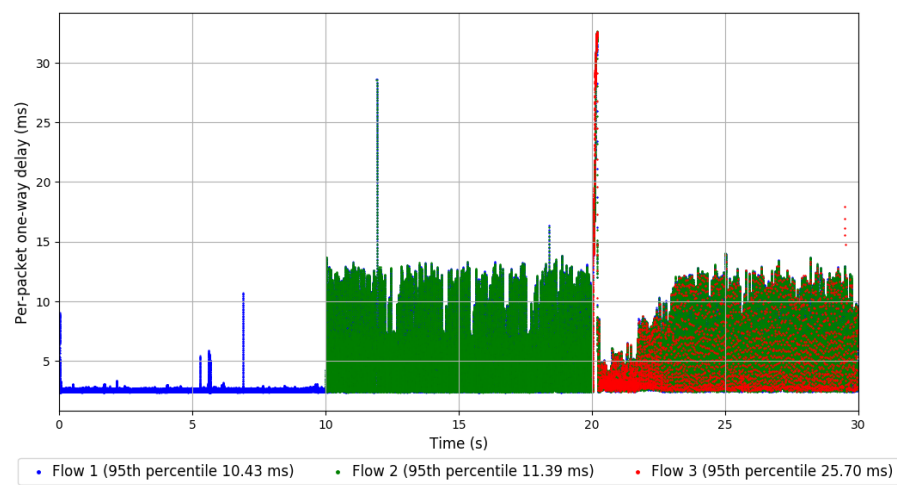
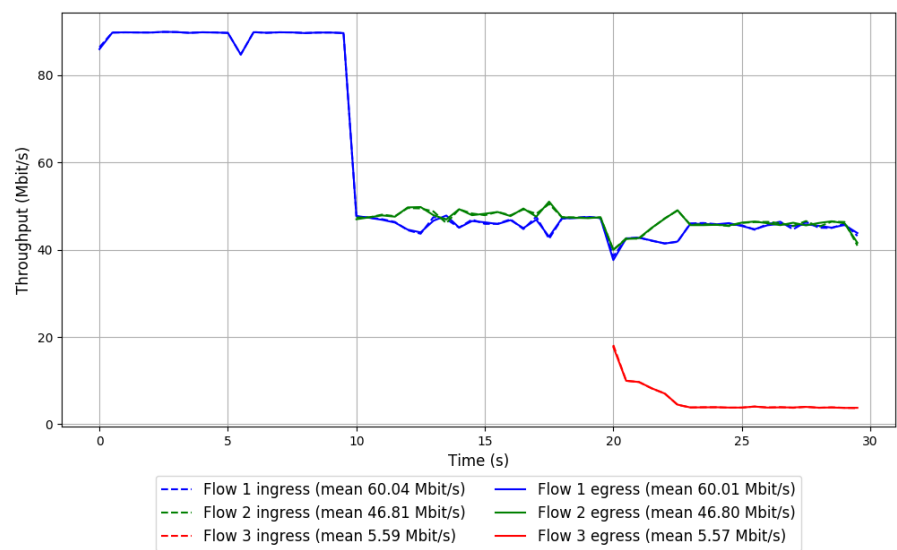


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-16 16:32:58
End at: 2018-02-16 16:33:28
Local clock offset: -6.506 ms
Remote clock offset: -4.404 ms

Below is generated by plot.py at 2018-02-16 18:04:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.04 Mbit/s
95th percentile per-packet one-way delay: 10.945 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 60.01 Mbit/s
95th percentile per-packet one-way delay: 10.429 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 46.80 Mbit/s
95th percentile per-packet one-way delay: 11.386 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 5.57 Mbit/s
95th percentile per-packet one-way delay: 25.703 ms
Loss rate: 0.33%

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

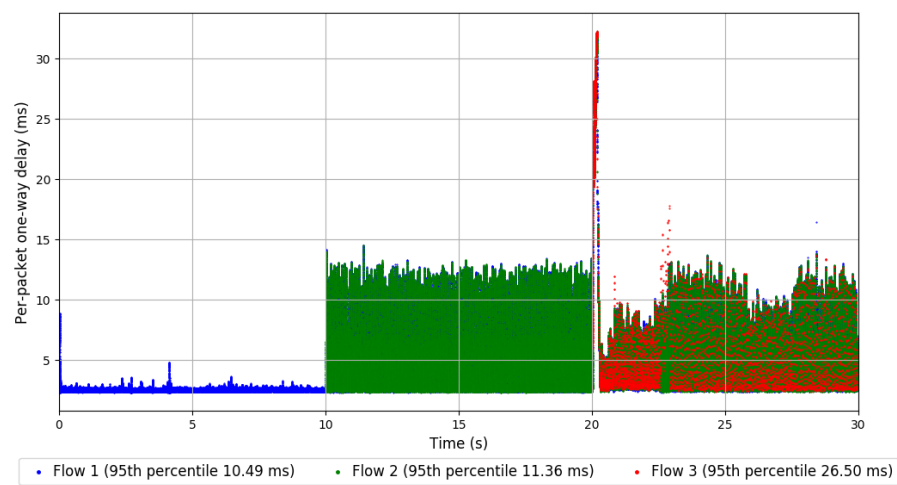
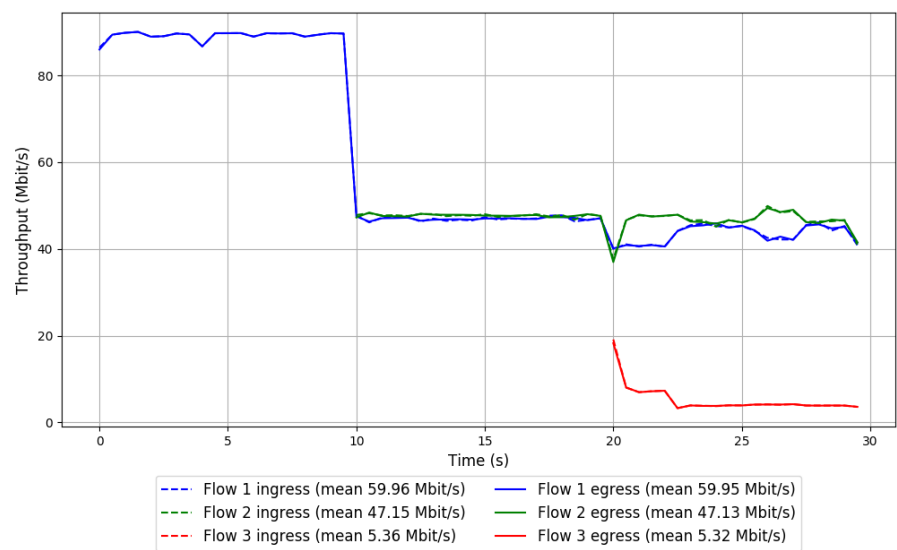


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-16 16:53:30
End at: 2018-02-16 16:54:00
Local clock offset: -5.875 ms
Remote clock offset: -4.646 ms

Below is generated by plot.py at 2018-02-16 18:06:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.10 Mbit/s
95th percentile per-packet one-way delay: 10.959 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 59.95 Mbit/s
95th percentile per-packet one-way delay: 10.491 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.13 Mbit/s
95th percentile per-packet one-way delay: 11.355 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 5.32 Mbit/s
95th percentile per-packet one-way delay: 26.505 ms
Loss rate: 0.75%

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

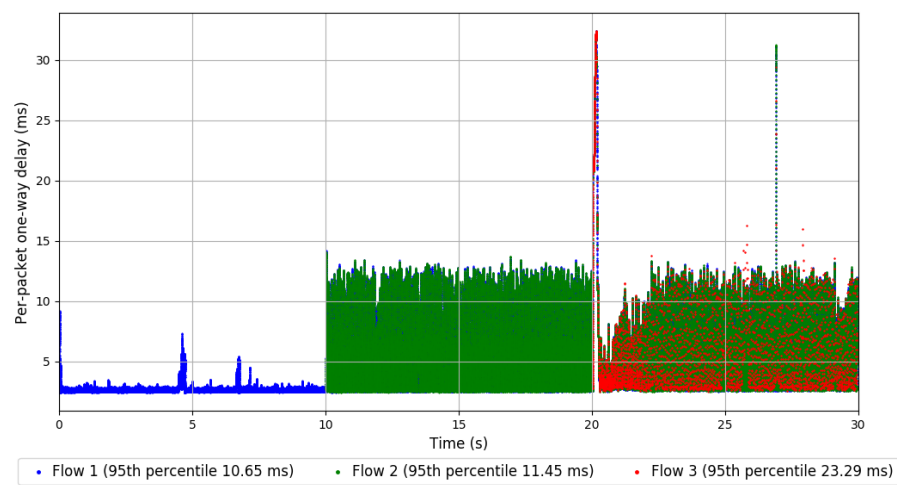
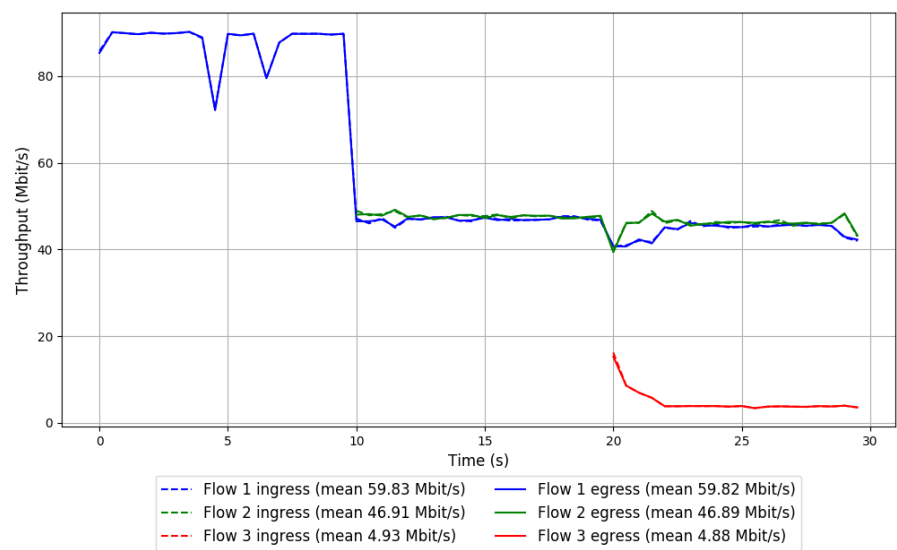


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-02-16 17:14:01
End at: 2018-02-16 17:14:31
Local clock offset: -3.393 ms
Remote clock offset: -4.993 ms

# Below is generated by plot.py at 2018-02-16 18:06:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.67 Mbit/s
95th percentile per-packet one-way delay: 11.076 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 59.82 Mbit/s
95th percentile per-packet one-way delay: 10.648 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 46.89 Mbit/s
95th percentile per-packet one-way delay: 11.448 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 23.291 ms
Loss rate: 0.89%
```

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

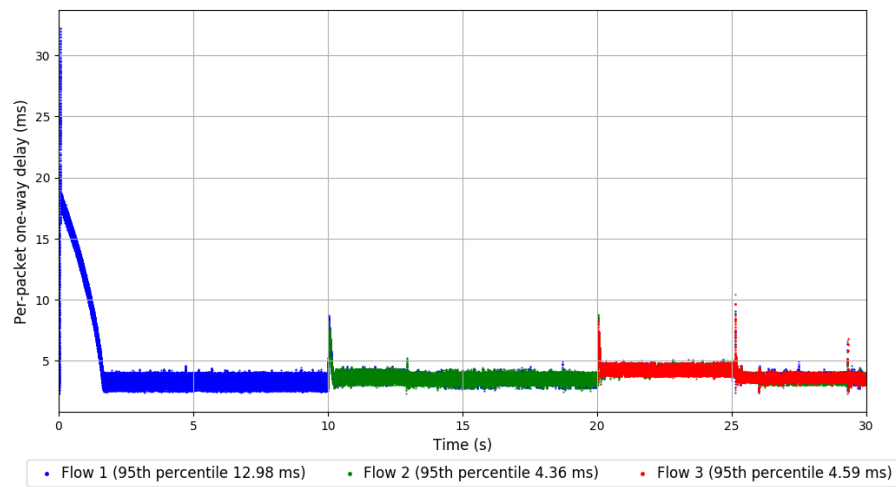
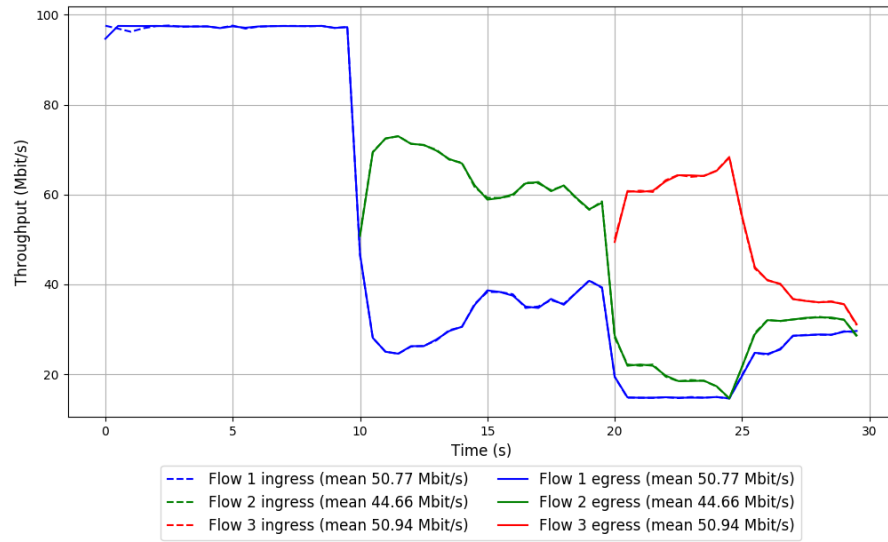


Run 1: Statistics of TCP Vegas

Start at: 2018-02-16 14:01:17
End at: 2018-02-16 14:01:47
Local clock offset: -4.723 ms
Remote clock offset: -5.556 ms

Below is generated by plot.py at 2018-02-16 18:06:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 6.566 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.77 Mbit/s
95th percentile per-packet one-way delay: 12.985 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.66 Mbit/s
95th percentile per-packet one-way delay: 4.355 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.94 Mbit/s
95th percentile per-packet one-way delay: 4.595 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

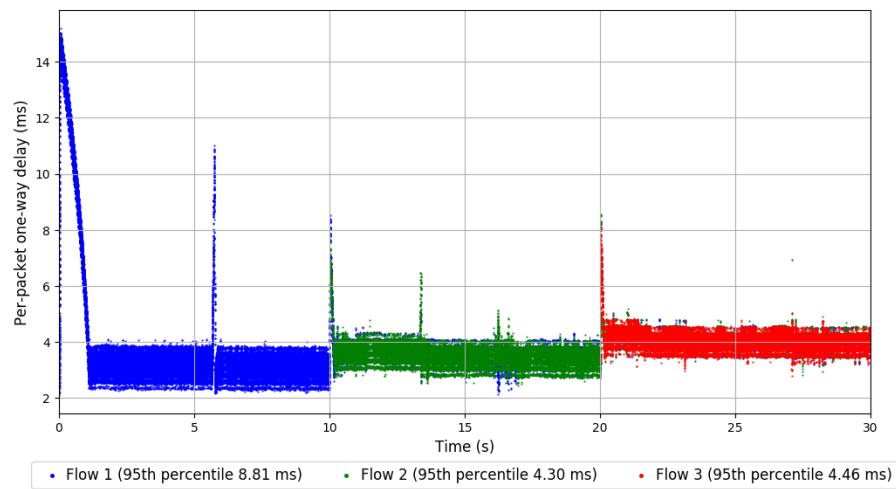
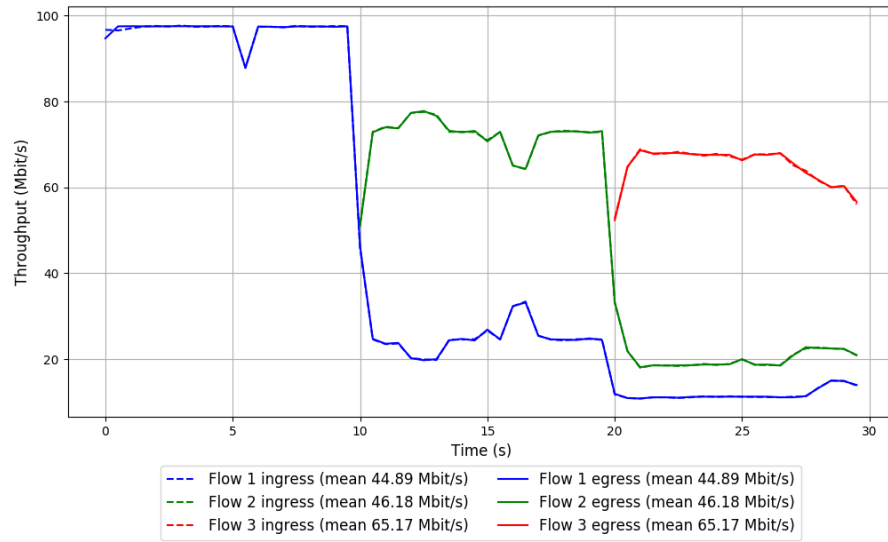


Run 2: Statistics of TCP Vegas

Start at: 2018-02-16 14:21:50
End at: 2018-02-16 14:22:20
Local clock offset: -6.598 ms
Remote clock offset: -5.753 ms

Below is generated by plot.py at 2018-02-16 18:06:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 4.535 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.89 Mbit/s
95th percentile per-packet one-way delay: 8.813 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.18 Mbit/s
95th percentile per-packet one-way delay: 4.297 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.17 Mbit/s
95th percentile per-packet one-way delay: 4.461 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-02-16 14:42:21

End at: 2018-02-16 14:42:51

Local clock offset: -8.773 ms

Remote clock offset: -4.6 ms

Below is generated by plot.py at 2018-02-16 18:06:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.17 Mbit/s

95th percentile per-packet one-way delay: 4.682 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 51.18 Mbit/s

95th percentile per-packet one-way delay: 8.473 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.11 Mbit/s

95th percentile per-packet one-way delay: 4.392 ms

Loss rate: 0.00%

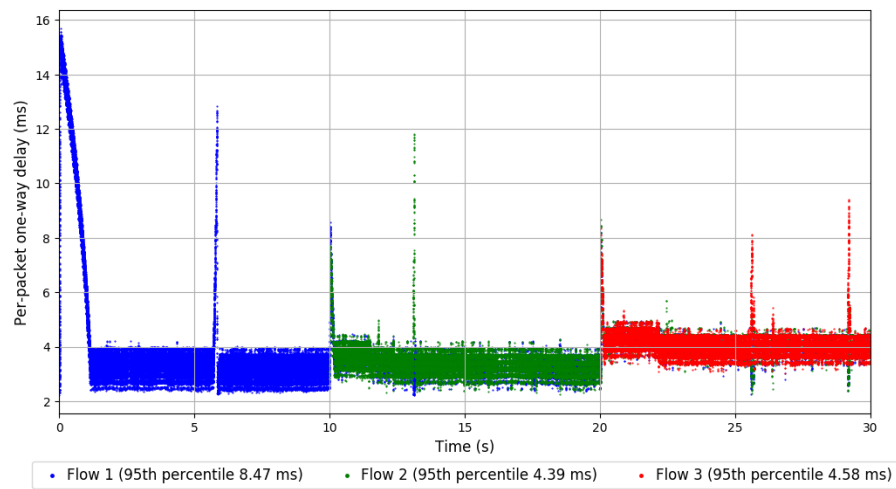
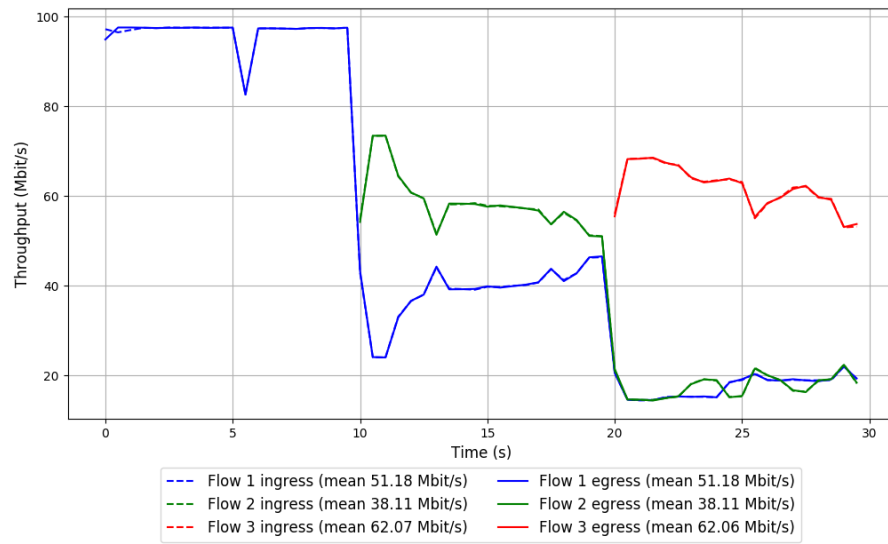
-- Flow 3:

Average throughput: 62.06 Mbit/s

95th percentile per-packet one-way delay: 4.576 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

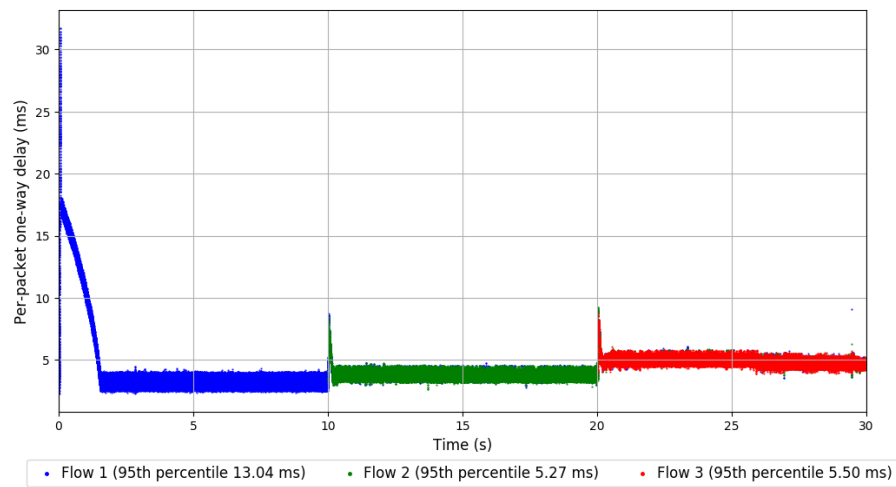
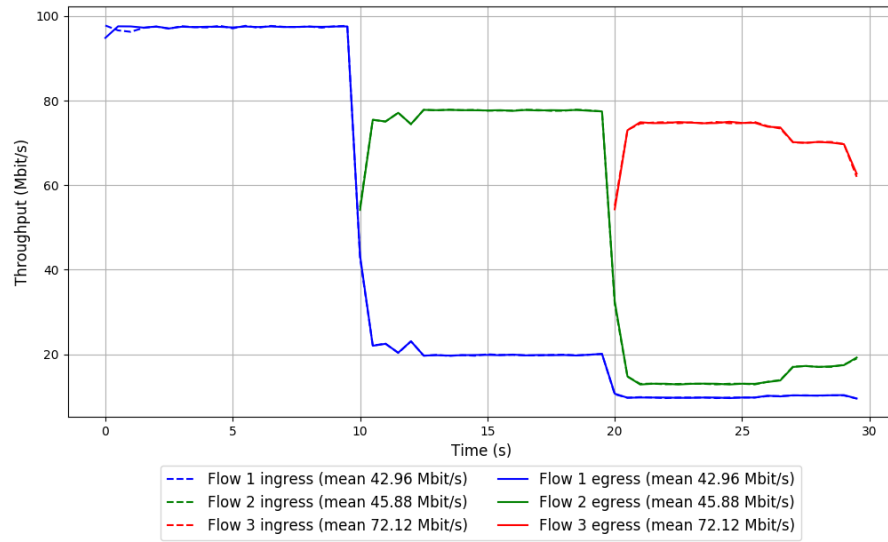


Run 4: Statistics of TCP Vegas

Start at: 2018-02-16 15:02:53
End at: 2018-02-16 15:03:23
Local clock offset: -7.461 ms
Remote clock offset: -3.978 ms

Below is generated by plot.py at 2018-02-16 18:06:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 6.008 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.96 Mbit/s
95th percentile per-packet one-way delay: 13.037 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.88 Mbit/s
95th percentile per-packet one-way delay: 5.270 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 72.12 Mbit/s
95th percentile per-packet one-way delay: 5.497 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-02-16 15:23:25

End at: 2018-02-16 15:23:55

Local clock offset: -6.796 ms

Remote clock offset: -4.24 ms

Below is generated by plot.py at 2018-02-16 18:06:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.04 Mbit/s

95th percentile per-packet one-way delay: 4.766 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 57.27 Mbit/s

95th percentile per-packet one-way delay: 6.367 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 58.55 Mbit/s

95th percentile per-packet one-way delay: 4.423 ms

Loss rate: 0.01%

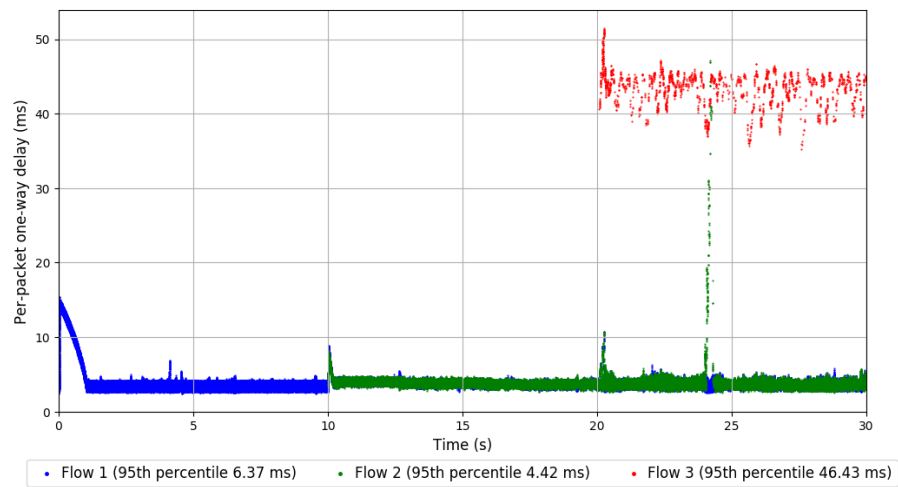
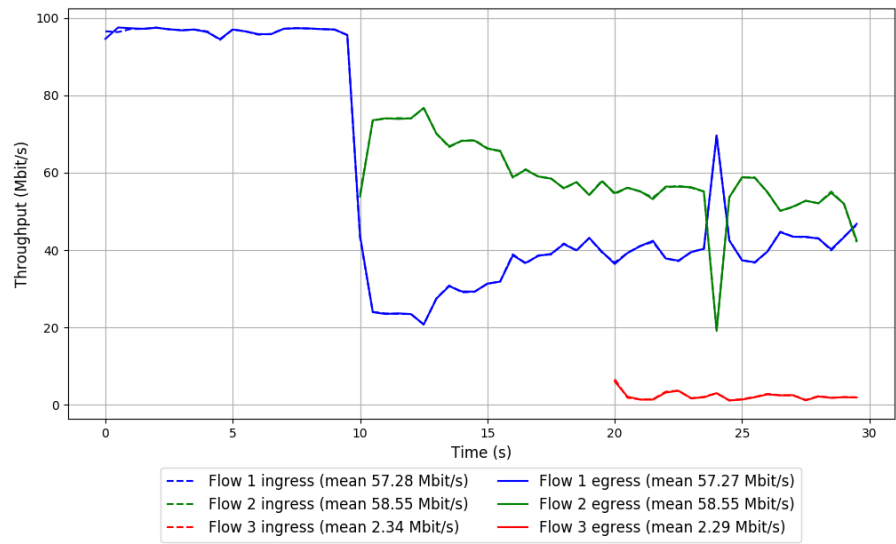
-- Flow 3:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 46.429 ms

Loss rate: 2.73%

Run 5: Report of TCP Vegas — Data Link

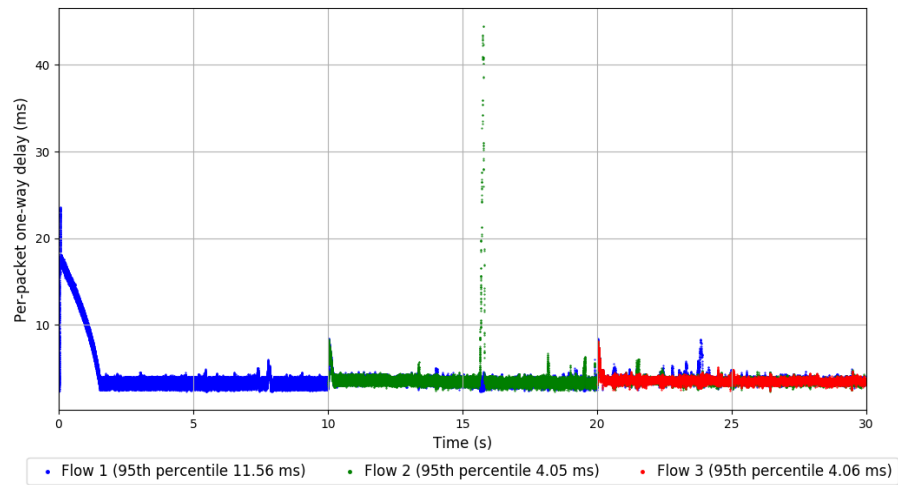
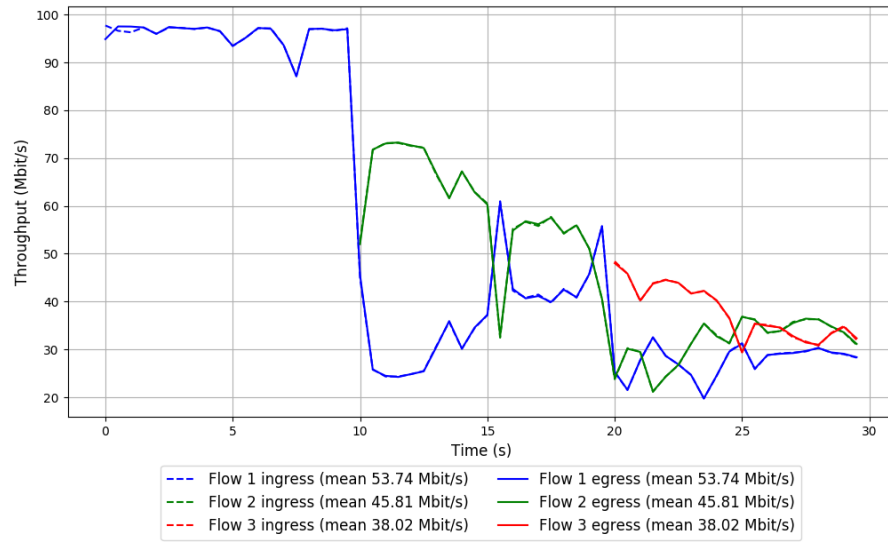


Run 6: Statistics of TCP Vegas

Start at: 2018-02-16 15:43:58
End at: 2018-02-16 15:44:28
Local clock offset: -3.669 ms
Remote clock offset: -4.158 ms

Below is generated by plot.py at 2018-02-16 18:06:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 6.036 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.74 Mbit/s
95th percentile per-packet one-way delay: 11.563 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.81 Mbit/s
95th percentile per-packet one-way delay: 4.049 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.02 Mbit/s
95th percentile per-packet one-way delay: 4.056 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

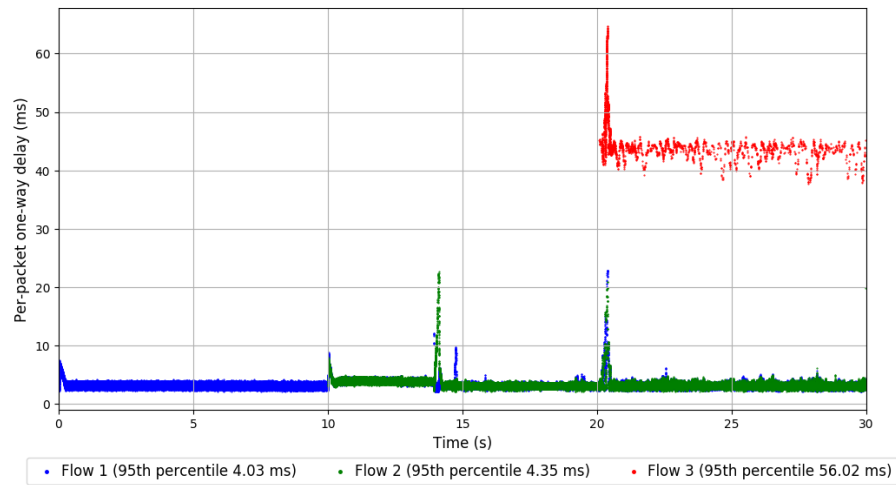
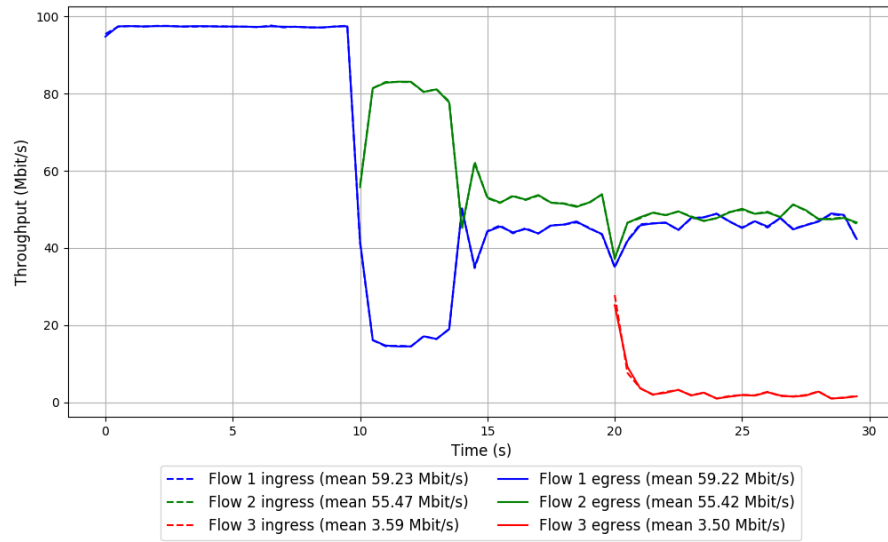


Run 7: Statistics of TCP Vegas

Start at: 2018-02-16 16:04:27
End at: 2018-02-16 16:04:57
Local clock offset: -5.018 ms
Remote clock offset: -4.039 ms

Below is generated by plot.py at 2018-02-16 18:06:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 4.341 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 59.22 Mbit/s
95th percentile per-packet one-way delay: 4.025 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 55.42 Mbit/s
95th percentile per-packet one-way delay: 4.347 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 56.025 ms
Loss rate: 2.73%

Run 7: Report of TCP Vegas — Data Link

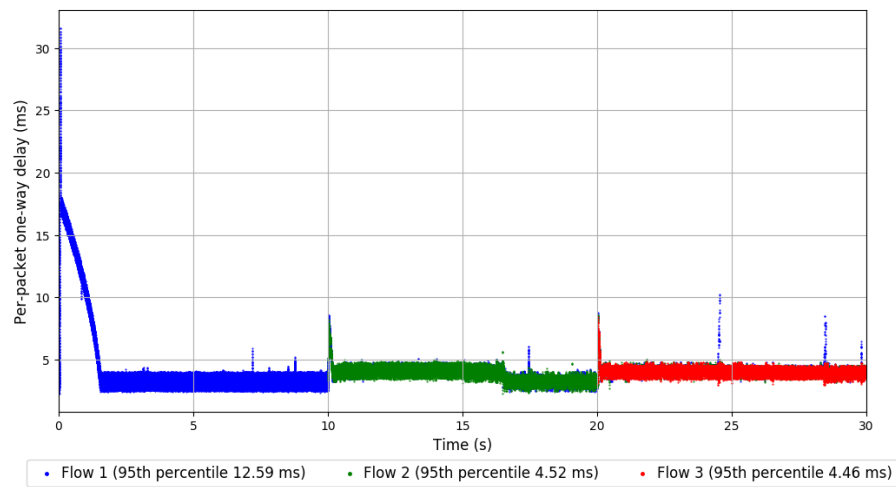
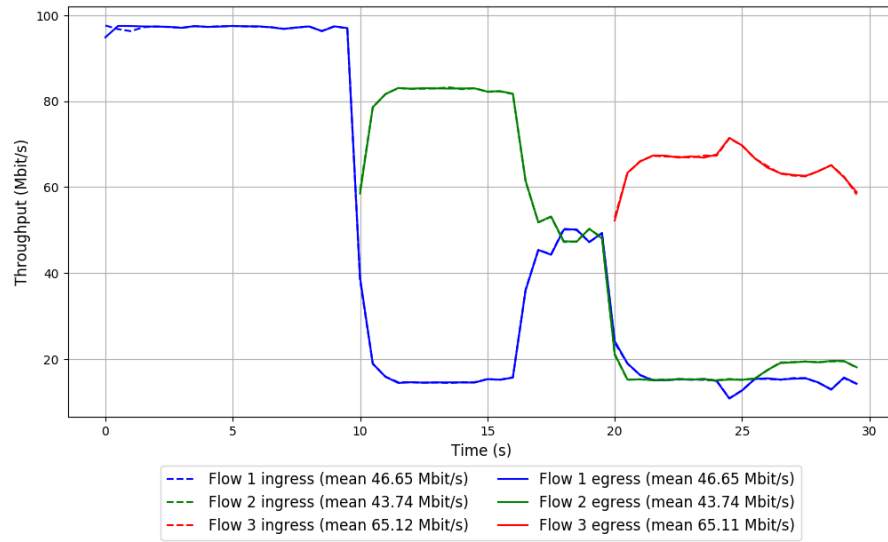


Run 8: Statistics of TCP Vegas

Start at: 2018-02-16 16:24:58
End at: 2018-02-16 16:25:28
Local clock offset: -6.514 ms
Remote clock offset: -4.294 ms

Below is generated by plot.py at 2018-02-16 18:06:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 5.942 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.65 Mbit/s
95th percentile per-packet one-way delay: 12.588 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.74 Mbit/s
95th percentile per-packet one-way delay: 4.517 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.11 Mbit/s
95th percentile per-packet one-way delay: 4.458 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-02-16 16:45:27

End at: 2018-02-16 16:45:57

Local clock offset: -6.042 ms

Remote clock offset: -4.56 ms

Below is generated by plot.py at 2018-02-16 18:06:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.40 Mbit/s

95th percentile per-packet one-way delay: 5.736 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 39.57 Mbit/s

95th percentile per-packet one-way delay: 10.726 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 51.72 Mbit/s

95th percentile per-packet one-way delay: 5.406 ms

Loss rate: 0.00%

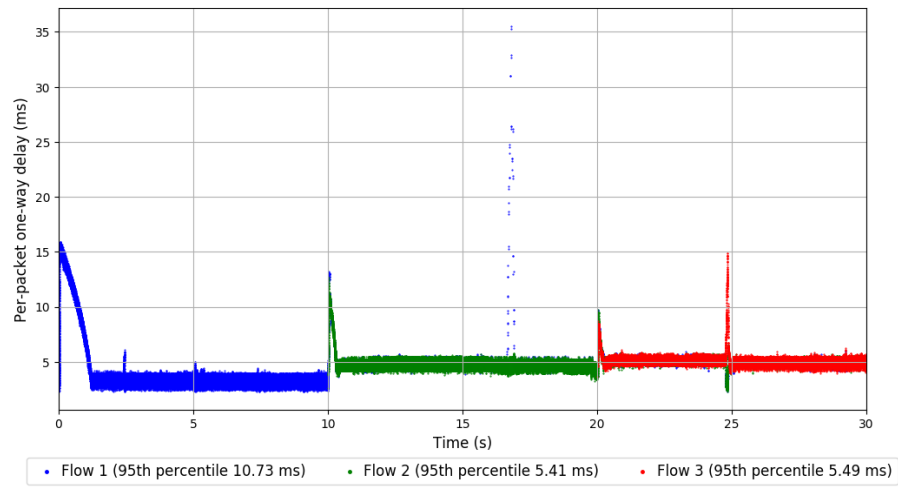
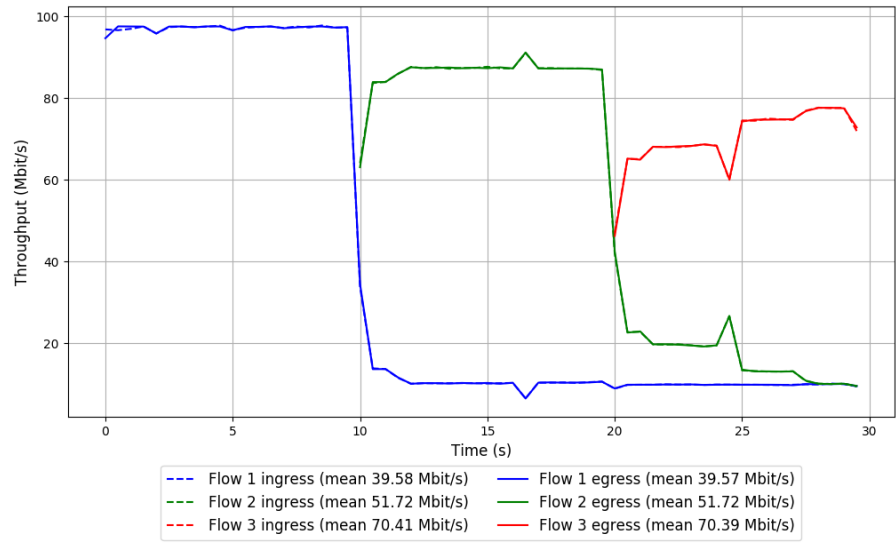
-- Flow 3:

Average throughput: 70.39 Mbit/s

95th percentile per-packet one-way delay: 5.487 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

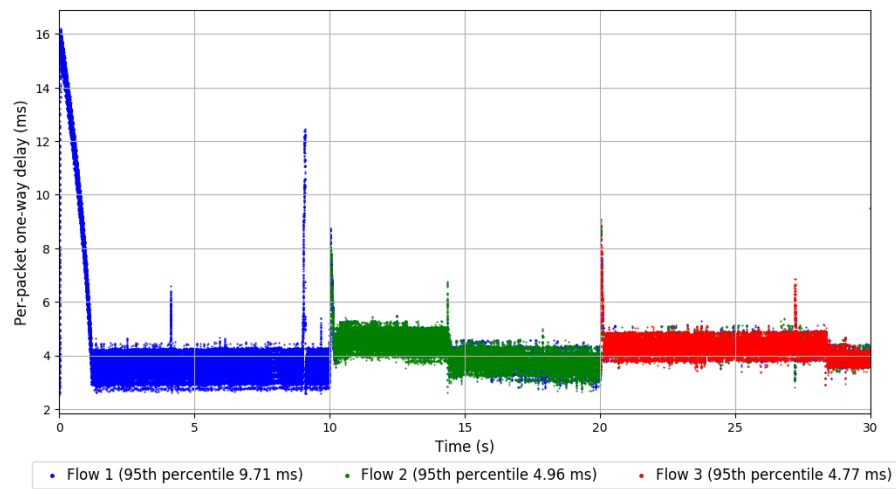
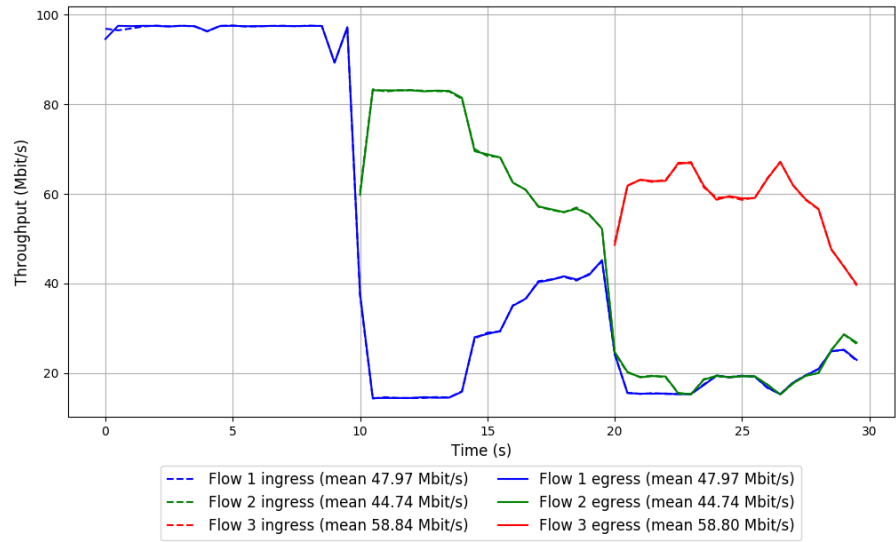


Run 10: Statistics of TCP Vegas

Start at: 2018-02-16 17:05:58
End at: 2018-02-16 17:06:28
Local clock offset: -5.674 ms
Remote clock offset: -4.942 ms

Below is generated by plot.py at 2018-02-16 18:06:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 5.052 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.97 Mbit/s
95th percentile per-packet one-way delay: 9.711 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.74 Mbit/s
95th percentile per-packet one-way delay: 4.960 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 58.80 Mbit/s
95th percentile per-packet one-way delay: 4.766 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

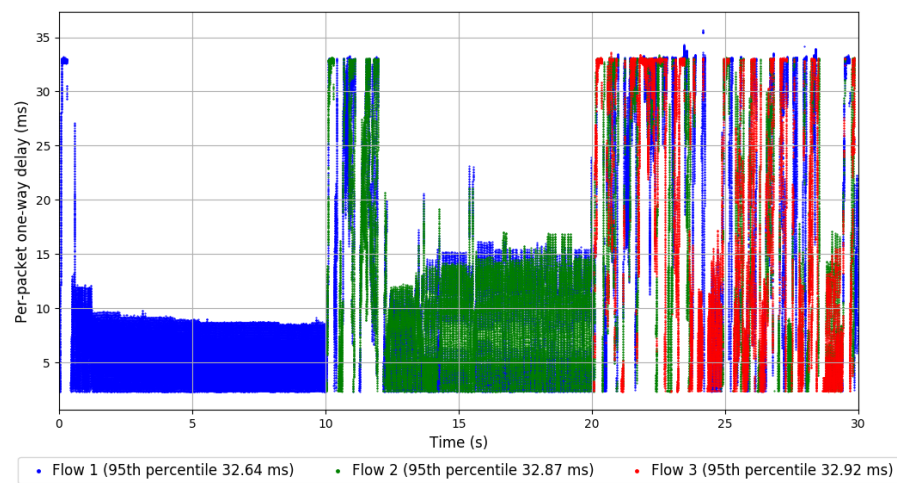
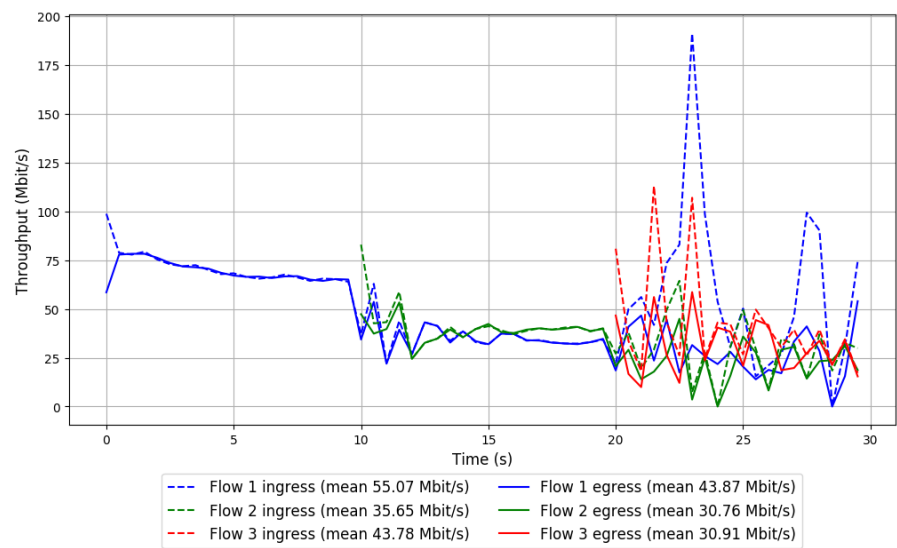


Run 1: Statistics of Verus

Start at: 2018-02-16 14:04:45
End at: 2018-02-16 14:05:15
Local clock offset: -4.537 ms
Remote clock offset: -5.557 ms

Below is generated by plot.py at 2018-02-16 18:07:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.34 Mbit/s
95th percentile per-packet one-way delay: 32.870 ms
Loss rate: 19.99%
-- Flow 1:
Average throughput: 43.87 Mbit/s
95th percentile per-packet one-way delay: 32.637 ms
Loss rate: 20.31%
-- Flow 2:
Average throughput: 30.76 Mbit/s
95th percentile per-packet one-way delay: 32.868 ms
Loss rate: 13.60%
-- Flow 3:
Average throughput: 30.91 Mbit/s
95th percentile per-packet one-way delay: 32.920 ms
Loss rate: 29.26%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-02-16 14:25:18

End at: 2018-02-16 14:25:48

Local clock offset: -7.209 ms

Remote clock offset: -5.71 ms

Below is generated by plot.py at 2018-02-16 18:07:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.80 Mbit/s

95th percentile per-packet one-way delay: 32.723 ms

Loss rate: 38.05%

-- Flow 1:

Average throughput: 46.56 Mbit/s

95th percentile per-packet one-way delay: 32.694 ms

Loss rate: 36.83%

-- Flow 2:

Average throughput: 30.98 Mbit/s

95th percentile per-packet one-way delay: 32.723 ms

Loss rate: 23.97%

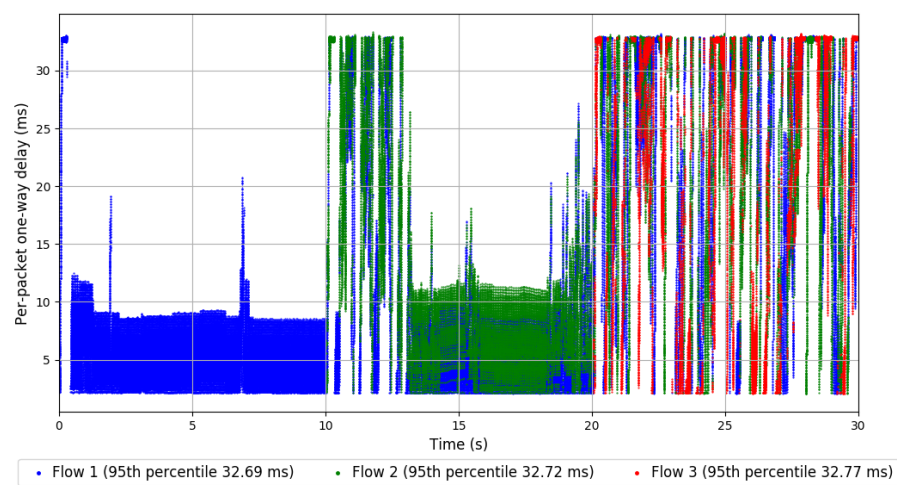
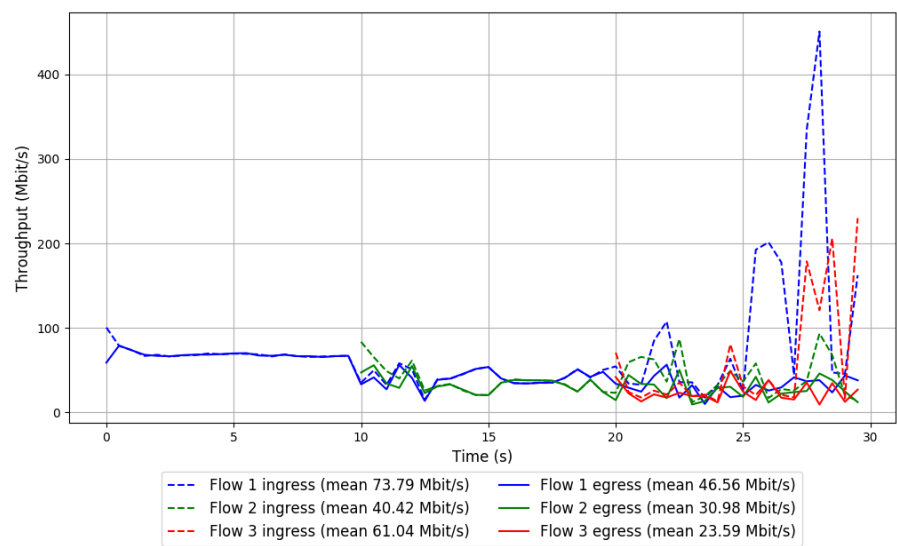
-- Flow 3:

Average throughput: 23.59 Mbit/s

95th percentile per-packet one-way delay: 32.774 ms

Loss rate: 61.24%

Run 2: Report of Verus — Data Link

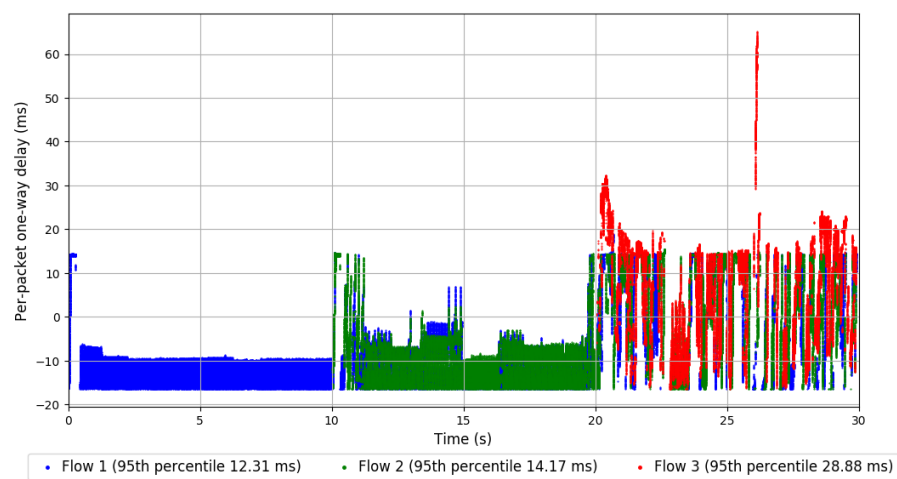
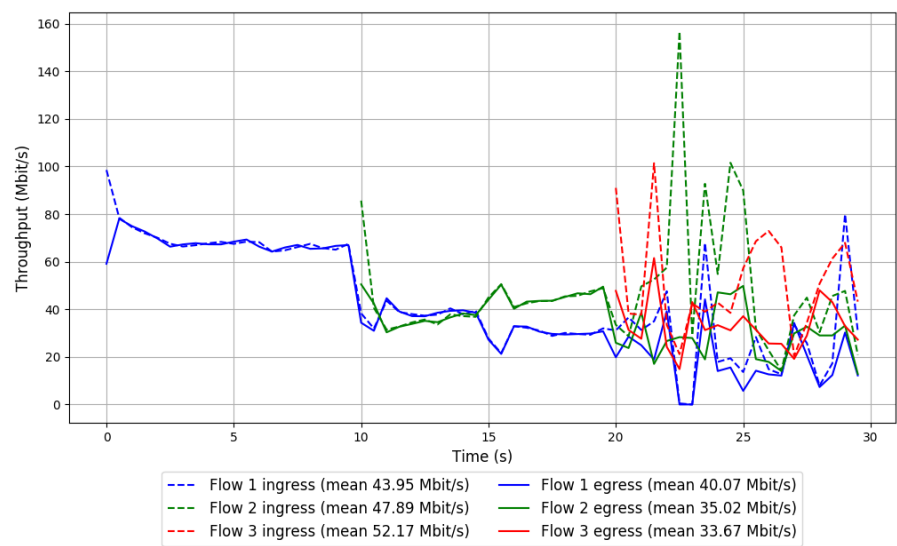


Run 3: Statistics of Verus

Start at: 2018-02-16 14:45:49
End at: 2018-02-16 14:46:19
Local clock offset: -8.927 ms
Remote clock offset: -23.043 ms

Below is generated by plot.py at 2018-02-16 18:07:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.48 Mbit/s
95th percentile per-packet one-way delay: 14.289 ms
Loss rate: 19.82%
-- Flow 1:
Average throughput: 40.07 Mbit/s
95th percentile per-packet one-way delay: 12.309 ms
Loss rate: 8.73%
-- Flow 2:
Average throughput: 35.02 Mbit/s
95th percentile per-packet one-way delay: 14.166 ms
Loss rate: 26.77%
-- Flow 3:
Average throughput: 33.67 Mbit/s
95th percentile per-packet one-way delay: 28.881 ms
Loss rate: 35.31%

Run 3: Report of Verus — Data Link

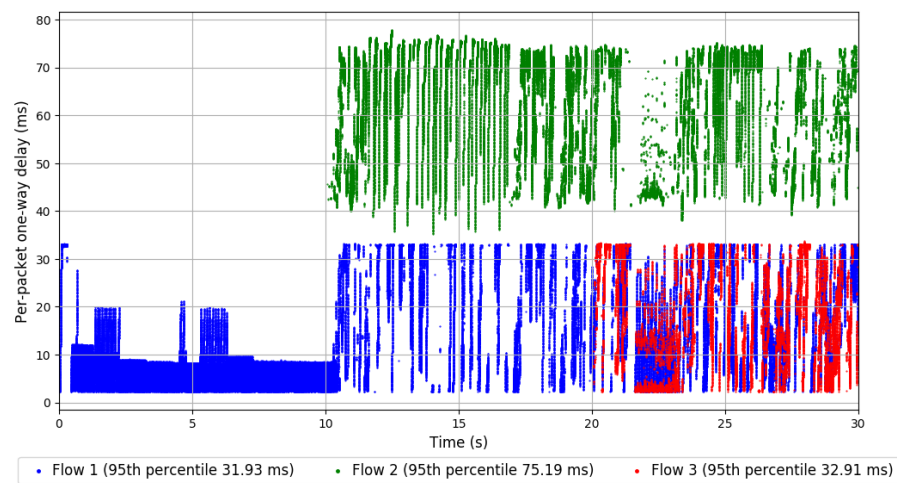
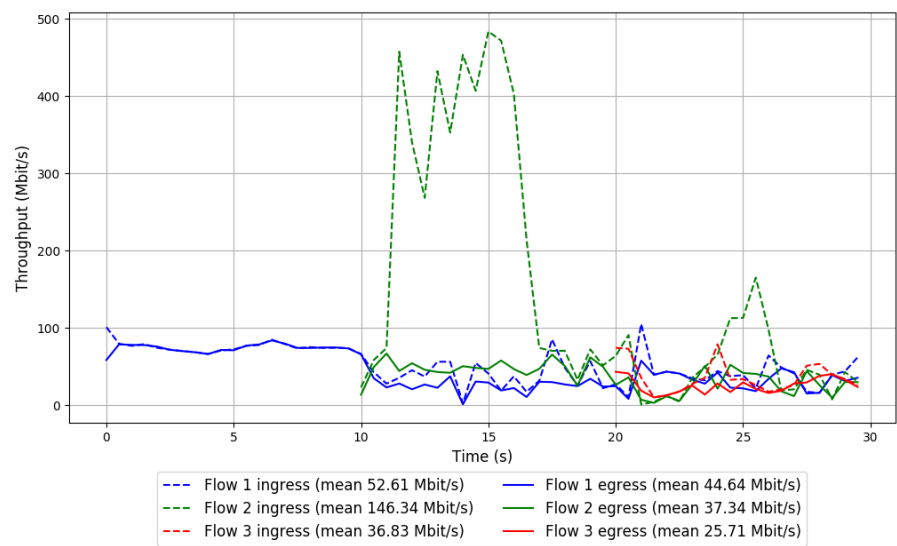


Run 4: Statistics of Verus

Start at: 2018-02-16 15:06:21
End at: 2018-02-16 15:06:51
Local clock offset: -7.225 ms
Remote clock offset: -3.844 ms

Below is generated by plot.py at 2018-02-16 18:07:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.99 Mbit/s
95th percentile per-packet one-way delay: 73.318 ms
Loss rate: 51.89%
-- Flow 1:
Average throughput: 44.64 Mbit/s
95th percentile per-packet one-way delay: 31.925 ms
Loss rate: 15.06%
-- Flow 2:
Average throughput: 37.34 Mbit/s
95th percentile per-packet one-way delay: 75.189 ms
Loss rate: 74.50%
-- Flow 3:
Average throughput: 25.71 Mbit/s
95th percentile per-packet one-way delay: 32.914 ms
Loss rate: 30.11%

Run 4: Report of Verus — Data Link

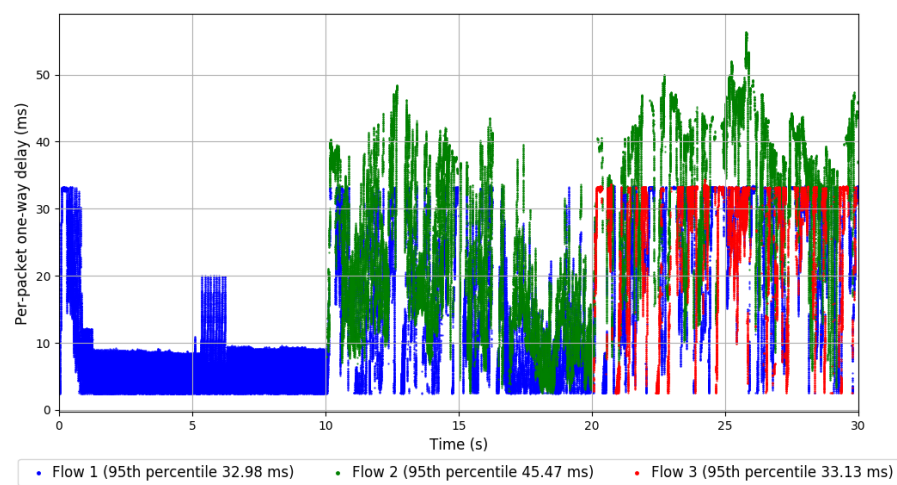
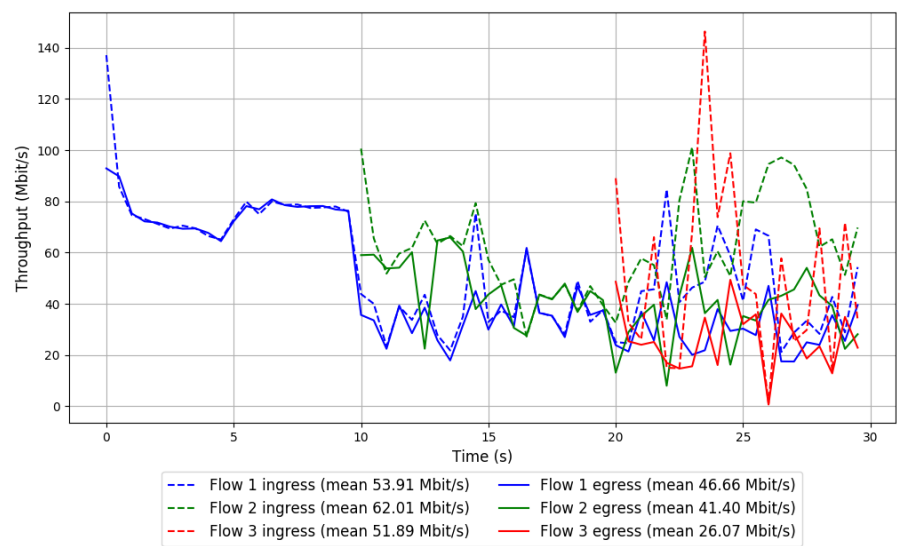


Run 5: Statistics of Verus

Start at: 2018-02-16 15:26:53
End at: 2018-02-16 15:27:23
Local clock offset: -5.811 ms
Remote clock offset: -4.228 ms

Below is generated by plot.py at 2018-02-16 18:07:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.82 Mbit/s
95th percentile per-packet one-way delay: 40.470 ms
Loss rate: 26.16%
-- Flow 1:
Average throughput: 46.66 Mbit/s
95th percentile per-packet one-way delay: 32.983 ms
Loss rate: 13.36%
-- Flow 2:
Average throughput: 41.40 Mbit/s
95th percentile per-packet one-way delay: 45.470 ms
Loss rate: 33.15%
-- Flow 3:
Average throughput: 26.07 Mbit/s
95th percentile per-packet one-way delay: 33.130 ms
Loss rate: 49.63%

Run 5: Report of Verus — Data Link

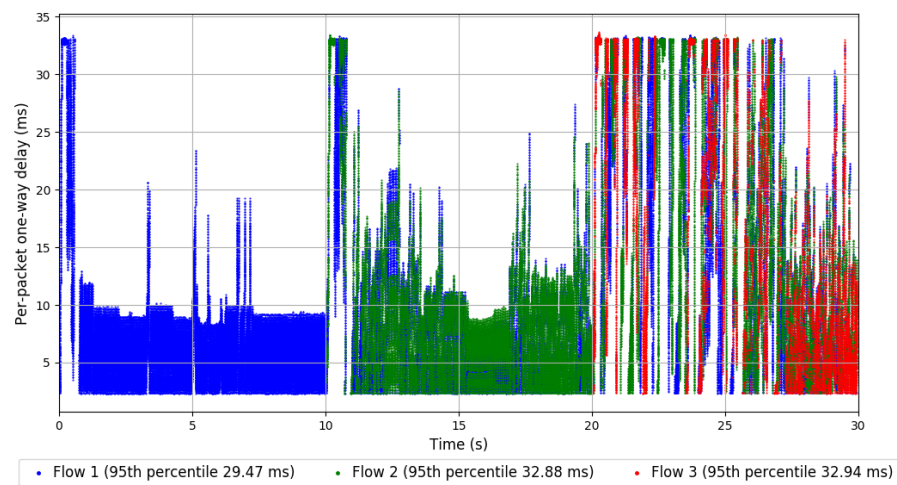
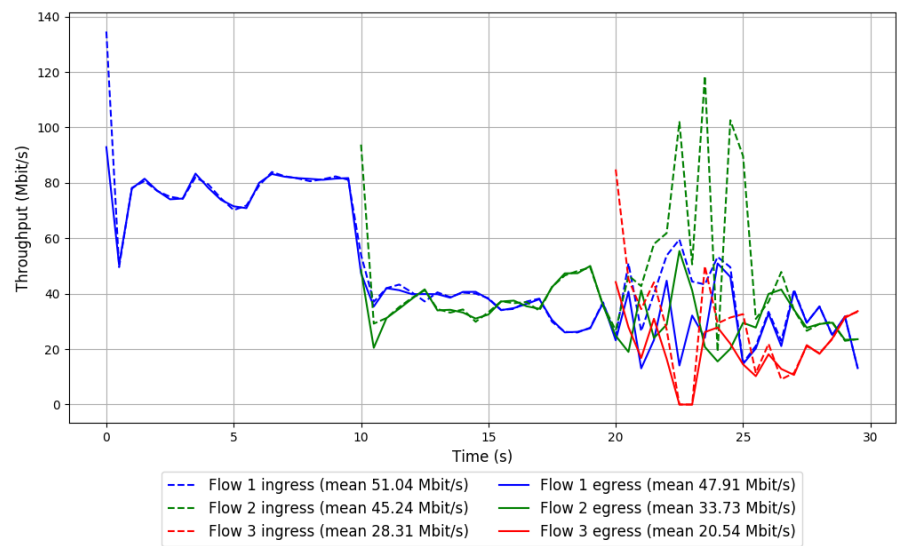


Run 6: Statistics of Verus

Start at: 2018-02-16 15:47:26
End at: 2018-02-16 15:47:56
Local clock offset: -3.396 ms
Remote clock offset: -4.091 ms

Below is generated by plot.py at 2018-02-16 18:07:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.14 Mbit/s
95th percentile per-packet one-way delay: 32.631 ms
Loss rate: 14.75%
-- Flow 1:
Average throughput: 47.91 Mbit/s
95th percentile per-packet one-way delay: 29.470 ms
Loss rate: 6.14%
-- Flow 2:
Average throughput: 33.73 Mbit/s
95th percentile per-packet one-way delay: 32.884 ms
Loss rate: 25.41%
-- Flow 3:
Average throughput: 20.54 Mbit/s
95th percentile per-packet one-way delay: 32.943 ms
Loss rate: 27.42%

Run 6: Report of Verus — Data Link

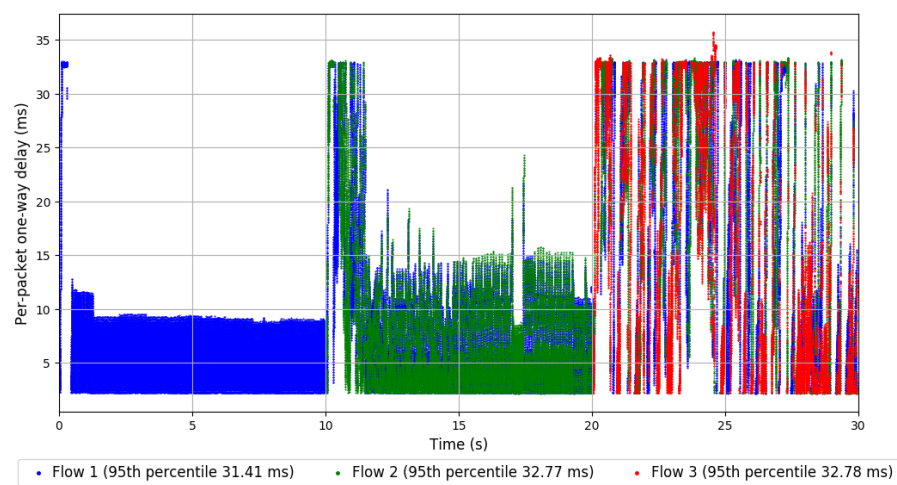
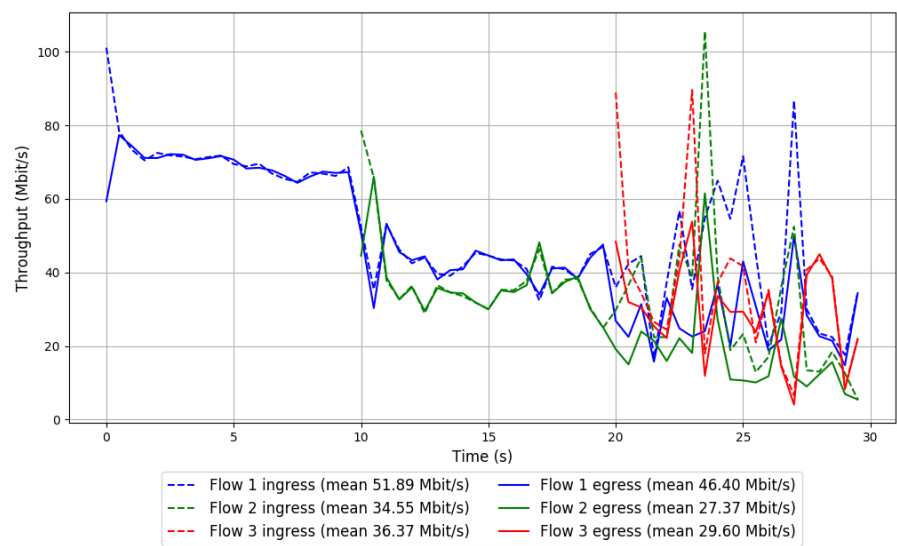


Run 7: Statistics of Verus

Start at: 2018-02-16 16:07:54
End at: 2018-02-16 16:08:24
Local clock offset: -5.498 ms
Remote clock offset: -3.927 ms

Below is generated by plot.py at 2018-02-16 18:07:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.40 Mbit/s
95th percentile per-packet one-way delay: 32.601 ms
Loss rate: 14.41%
-- Flow 1:
Average throughput: 46.40 Mbit/s
95th percentile per-packet one-way delay: 31.406 ms
Loss rate: 10.59%
-- Flow 2:
Average throughput: 27.37 Mbit/s
95th percentile per-packet one-way delay: 32.771 ms
Loss rate: 20.78%
-- Flow 3:
Average throughput: 29.60 Mbit/s
95th percentile per-packet one-way delay: 32.784 ms
Loss rate: 18.68%

Run 7: Report of Verus — Data Link

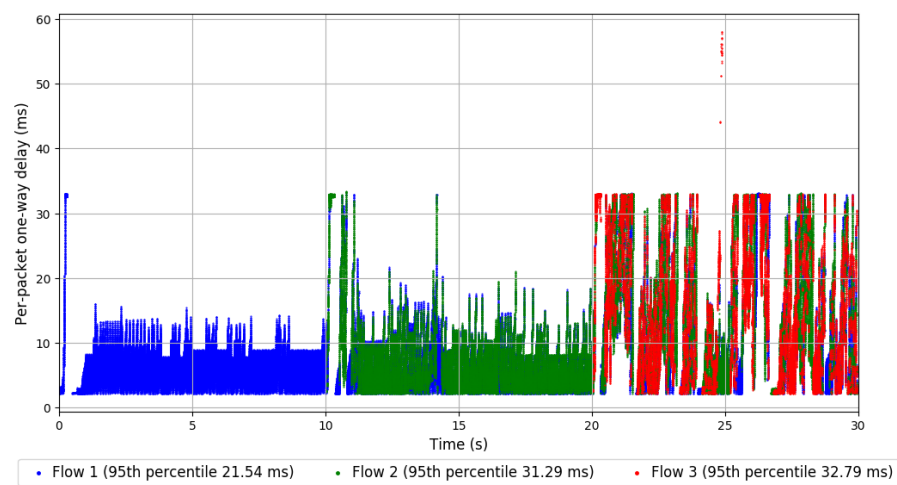
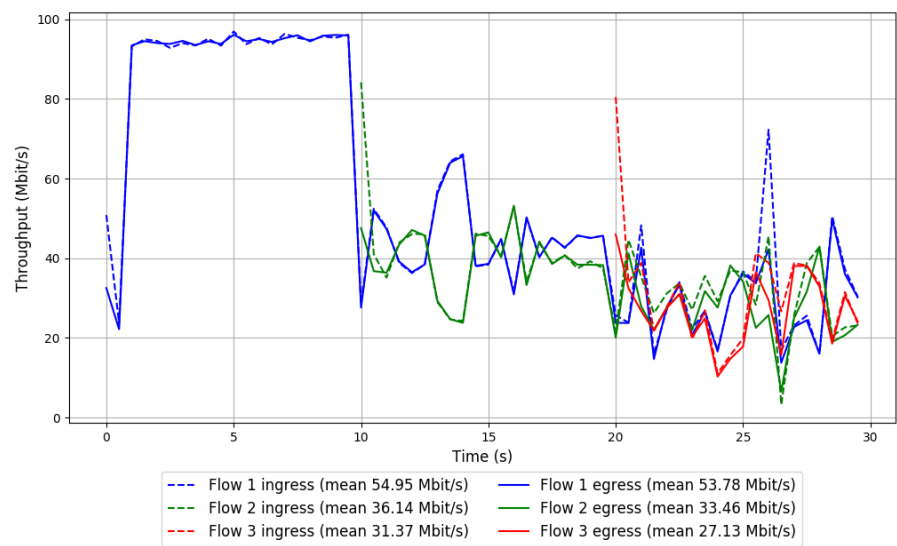


Run 8: Statistics of Verus

Start at: 2018-02-16 16:28:24
End at: 2018-02-16 16:28:54
Local clock offset: -6.583 ms
Remote clock offset: -4.438 ms

Below is generated by plot.py at 2018-02-16 18:08:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 29.861 ms
Loss rate: 4.88%
-- Flow 1:
Average throughput: 53.78 Mbit/s
95th percentile per-packet one-way delay: 21.543 ms
Loss rate: 2.13%
-- Flow 2:
Average throughput: 33.46 Mbit/s
95th percentile per-packet one-way delay: 31.285 ms
Loss rate: 7.44%
-- Flow 3:
Average throughput: 27.13 Mbit/s
95th percentile per-packet one-way delay: 32.791 ms
Loss rate: 13.55%

Run 8: Report of Verus — Data Link

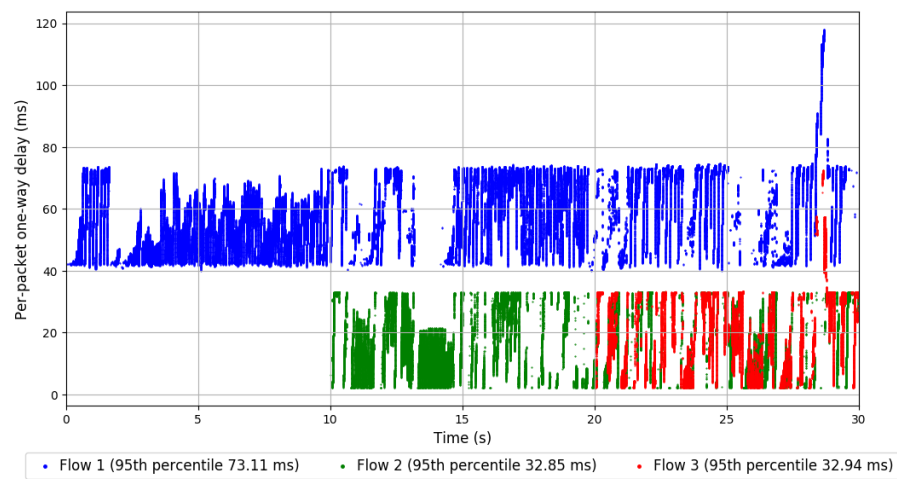
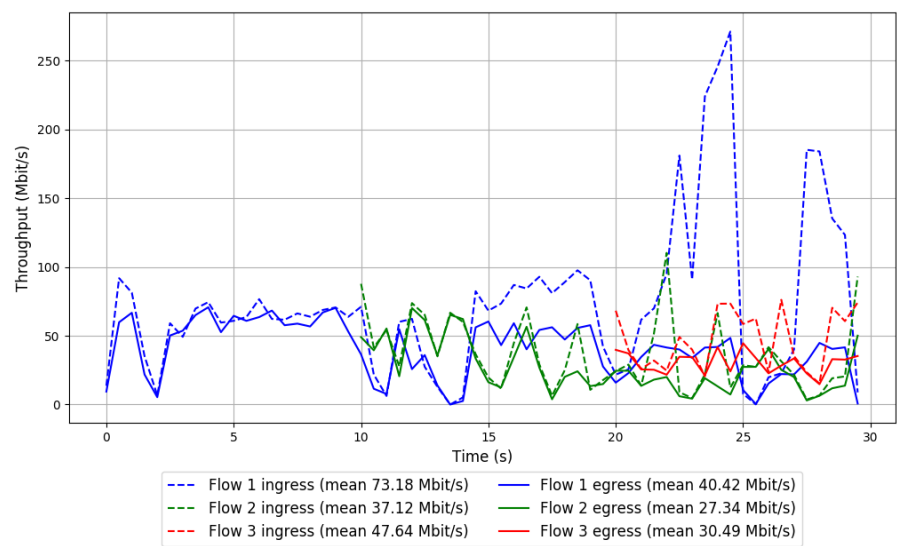


Run 9: Statistics of Verus

Start at: 2018-02-16 16:48:55
End at: 2018-02-16 16:49:25
Local clock offset: -5.921 ms
Remote clock offset: -4.518 ms

Below is generated by plot.py at 2018-02-16 18:08:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.70 Mbit/s
95th percentile per-packet one-way delay: 72.440 ms
Loss rate: 39.46%
-- Flow 1:
Average throughput: 40.42 Mbit/s
95th percentile per-packet one-way delay: 73.113 ms
Loss rate: 44.71%
-- Flow 2:
Average throughput: 27.34 Mbit/s
95th percentile per-packet one-way delay: 32.848 ms
Loss rate: 26.25%
-- Flow 3:
Average throughput: 30.49 Mbit/s
95th percentile per-packet one-way delay: 32.942 ms
Loss rate: 35.86%

Run 9: Report of Verus — Data Link

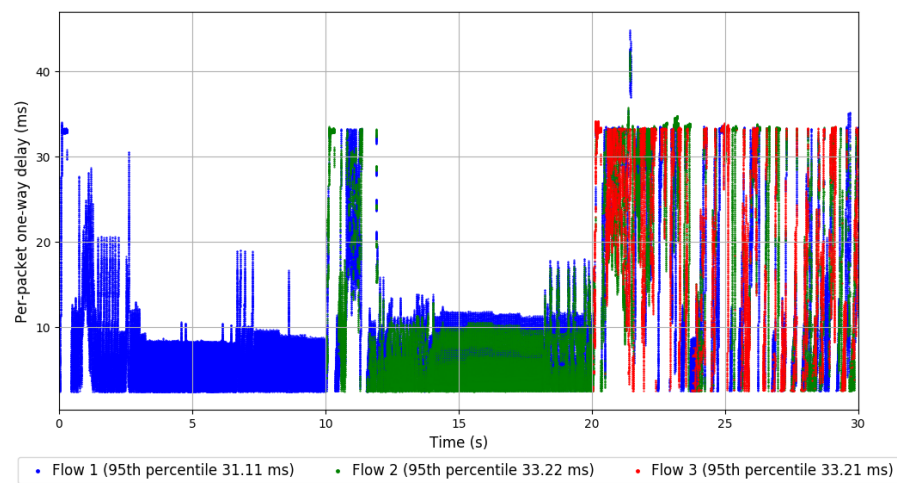
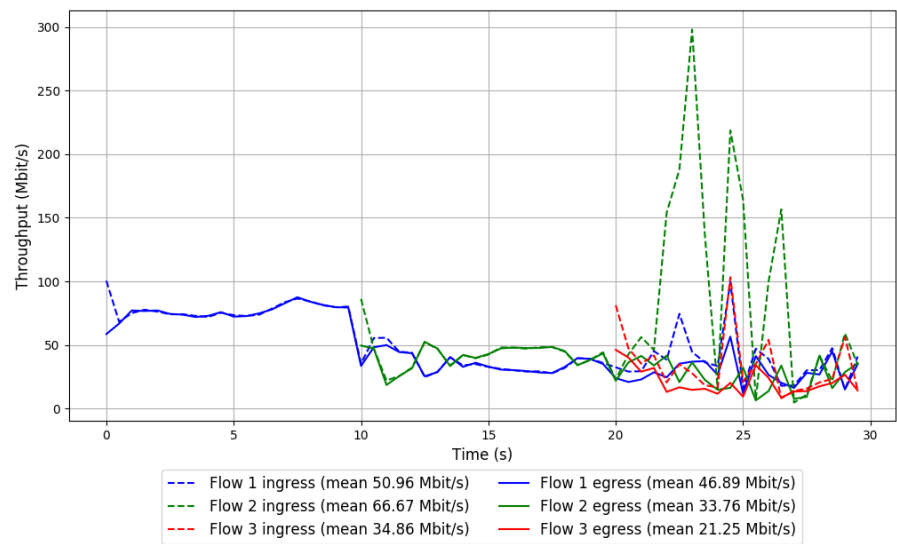


Run 10: Statistics of Verus

Start at: 2018-02-16 17:09:26
End at: 2018-02-16 17:09:56
Local clock offset: -4.486 ms
Remote clock offset: -4.976 ms

Below is generated by plot.py at 2018-02-16 18:08:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.36 Mbit/s
95th percentile per-packet one-way delay: 33.054 ms
Loss rate: 28.45%
-- Flow 1:
Average throughput: 46.89 Mbit/s
95th percentile per-packet one-way delay: 31.109 ms
Loss rate: 7.94%
-- Flow 2:
Average throughput: 33.76 Mbit/s
95th percentile per-packet one-way delay: 33.219 ms
Loss rate: 49.34%
-- Flow 3:
Average throughput: 21.25 Mbit/s
95th percentile per-packet one-way delay: 33.214 ms
Loss rate: 38.86%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-02-16 14:17:15

End at: 2018-02-16 14:17:45

Local clock offset: -5.137 ms

Remote clock offset: -5.65 ms

Below is generated by plot.py at 2018-02-16 18:09:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.88 Mbit/s

95th percentile per-packet one-way delay: 7.371 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 55.74 Mbit/s

95th percentile per-packet one-way delay: 6.313 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.66 Mbit/s

95th percentile per-packet one-way delay: 6.967 ms

Loss rate: 0.00%

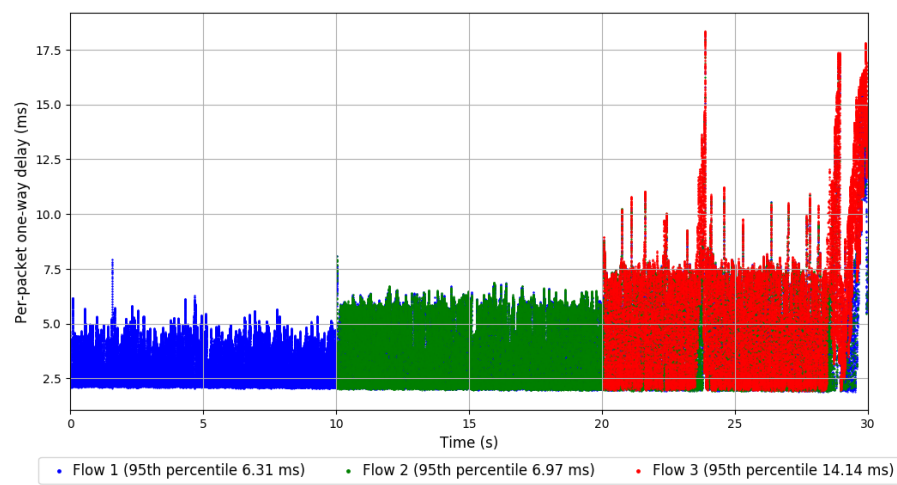
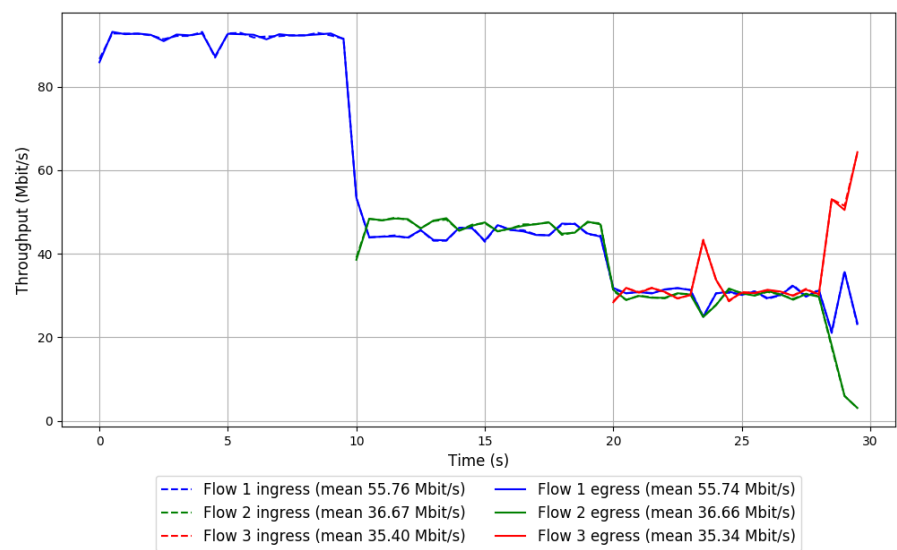
-- Flow 3:

Average throughput: 35.34 Mbit/s

95th percentile per-packet one-way delay: 14.143 ms

Loss rate: 0.14%

Run 1: Report of Copa — Data Link

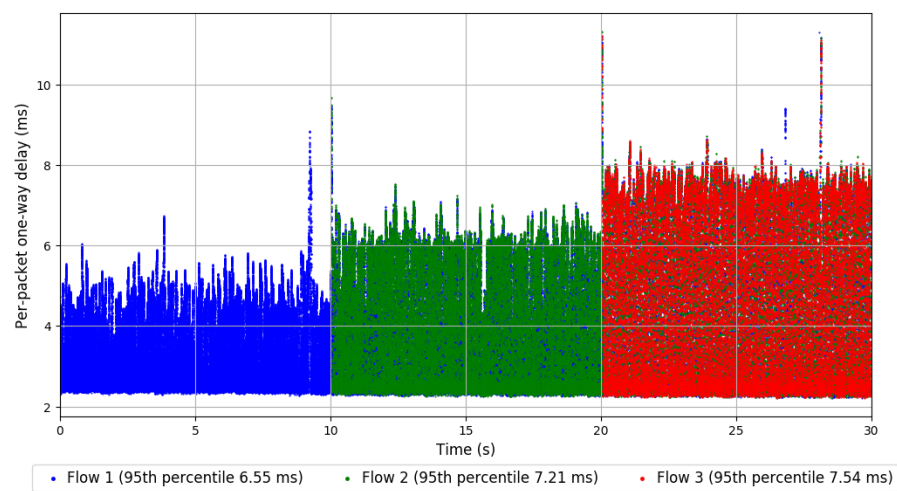
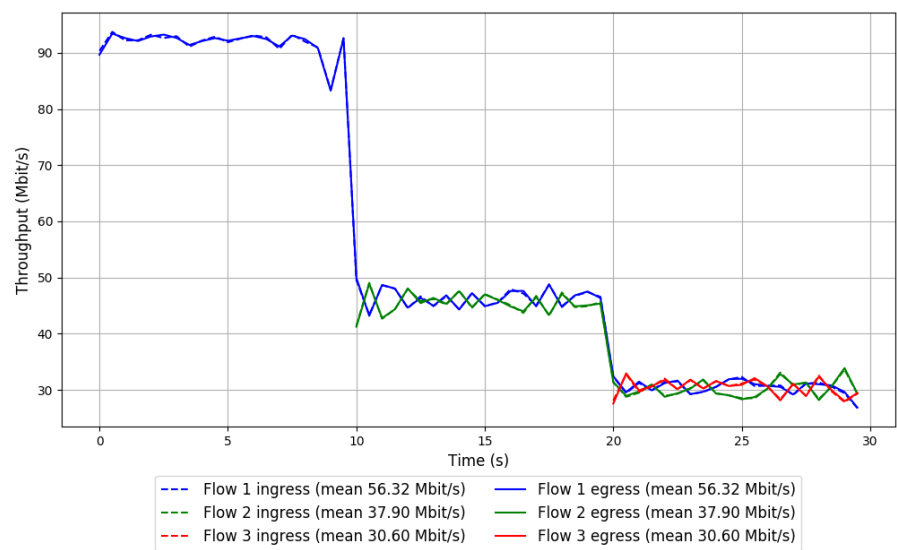


Run 2: Statistics of Copa

Start at: 2018-02-16 14:37:46
End at: 2018-02-16 14:38:16
Local clock offset: -8.597 ms
Remote clock offset: -5.007 ms

Below is generated by plot.py at 2018-02-16 18:10:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.72 Mbit/s
95th percentile per-packet one-way delay: 7.088 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.32 Mbit/s
95th percentile per-packet one-way delay: 6.549 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.90 Mbit/s
95th percentile per-packet one-way delay: 7.213 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.60 Mbit/s
95th percentile per-packet one-way delay: 7.538 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

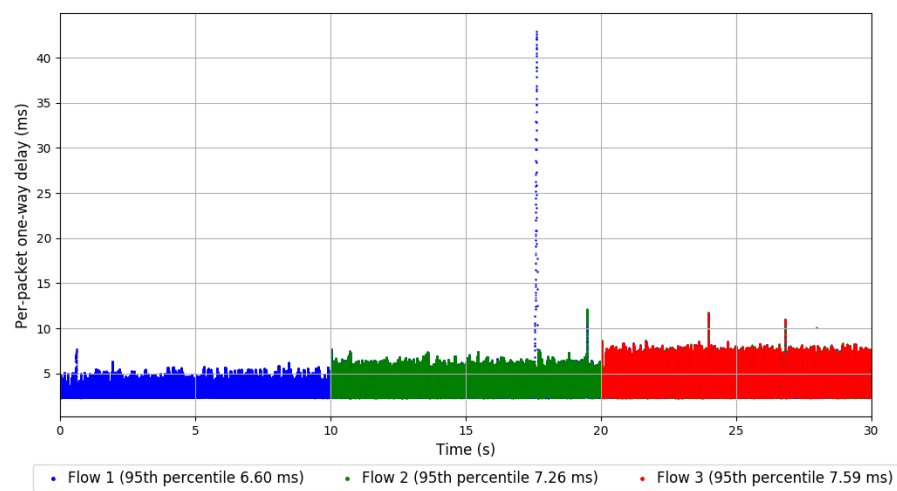
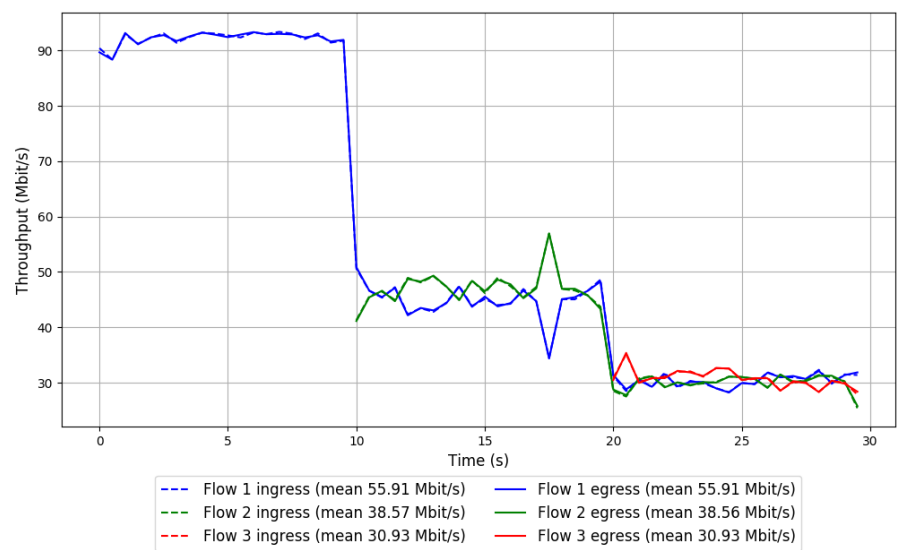


Run 3: Statistics of Copa

Start at: 2018-02-16 14:58:18
End at: 2018-02-16 14:58:48
Local clock offset: -7.734 ms
Remote clock offset: -4.071 ms

Below is generated by plot.py at 2018-02-16 18:10:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.86 Mbit/s
95th percentile per-packet one-way delay: 7.143 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.91 Mbit/s
95th percentile per-packet one-way delay: 6.602 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.56 Mbit/s
95th percentile per-packet one-way delay: 7.260 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.93 Mbit/s
95th percentile per-packet one-way delay: 7.595 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

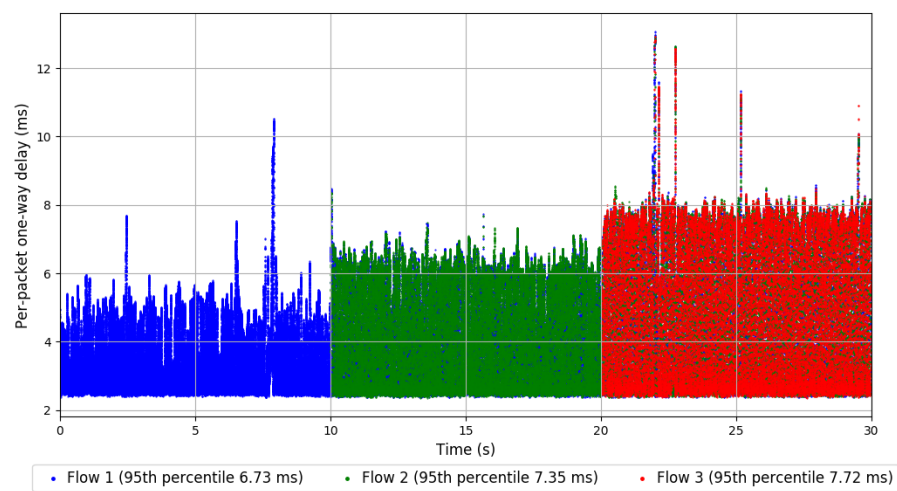
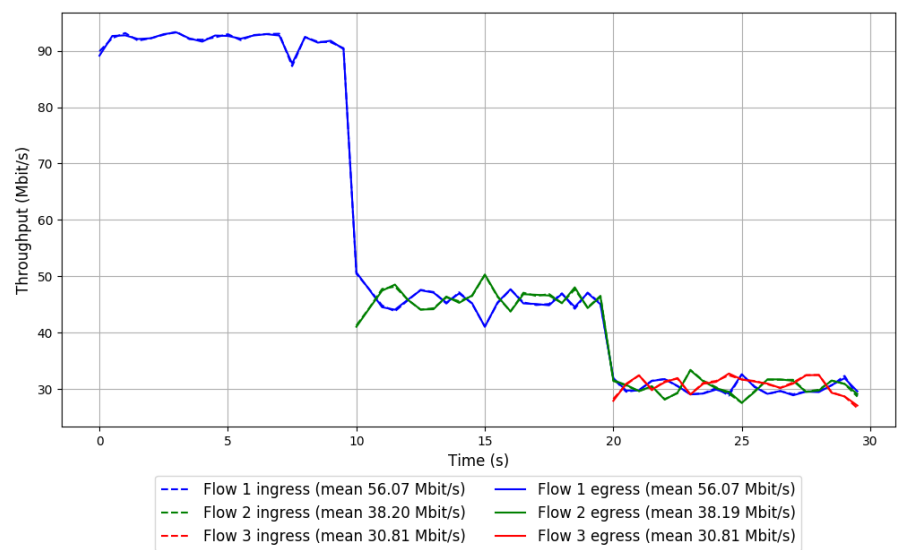


Run 4: Statistics of Copa

Start at: 2018-02-16 15:18:50
End at: 2018-02-16 15:19:20
Local clock offset: -6.987 ms
Remote clock offset: -4.178 ms

```
# Below is generated by plot.py at 2018-02-16 18:10:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 7.266 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.07 Mbit/s
95th percentile per-packet one-way delay: 6.729 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.19 Mbit/s
95th percentile per-packet one-way delay: 7.354 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.81 Mbit/s
95th percentile per-packet one-way delay: 7.723 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

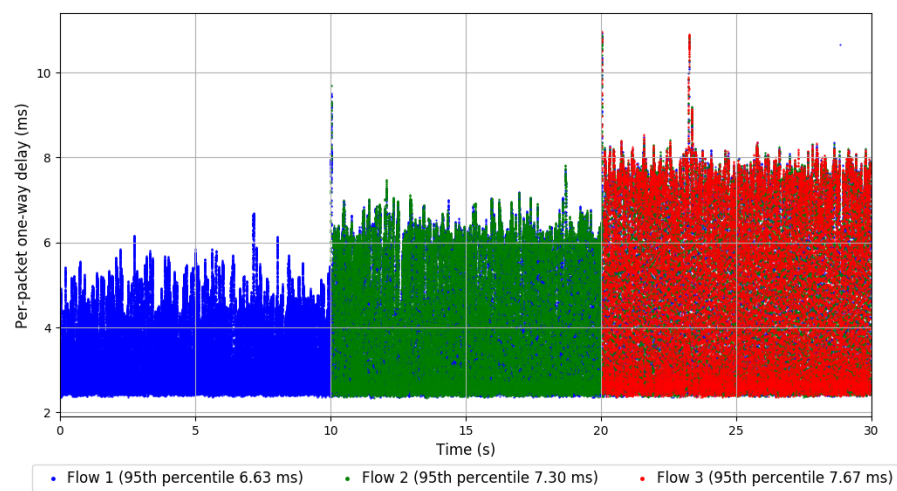
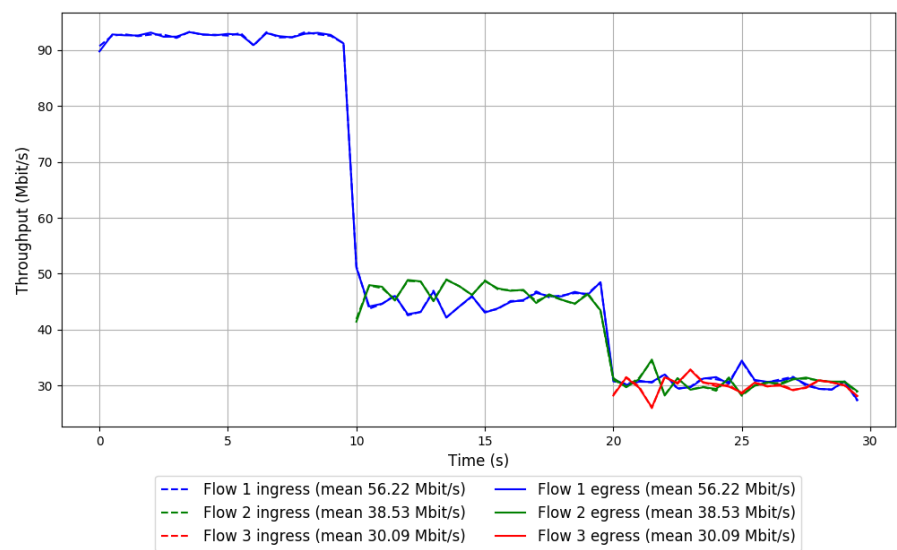


Run 5: Statistics of Copa

Start at: 2018-02-16 15:39:23
End at: 2018-02-16 15:39:53
Local clock offset: -4.045 ms
Remote clock offset: -4.204 ms

Below is generated by plot.py at 2018-02-16 18:10:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.88 Mbit/s
95th percentile per-packet one-way delay: 7.181 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.22 Mbit/s
95th percentile per-packet one-way delay: 6.626 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.53 Mbit/s
95th percentile per-packet one-way delay: 7.301 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.09 Mbit/s
95th percentile per-packet one-way delay: 7.665 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

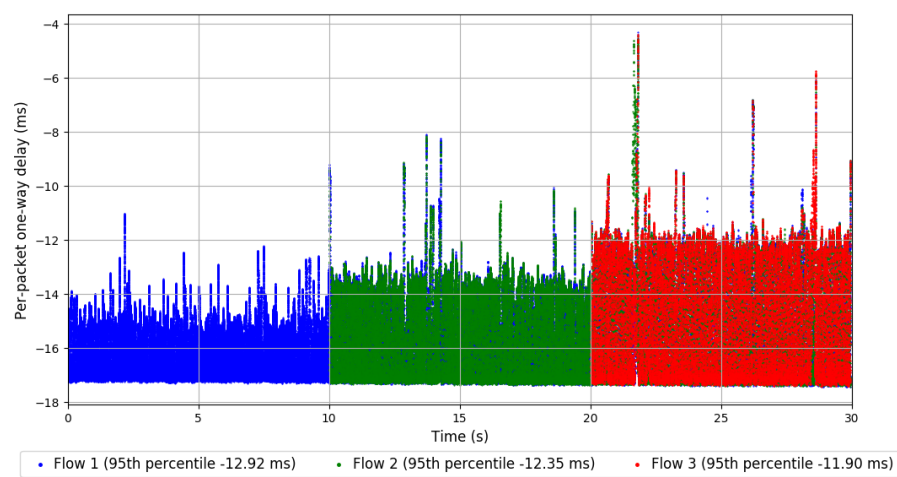
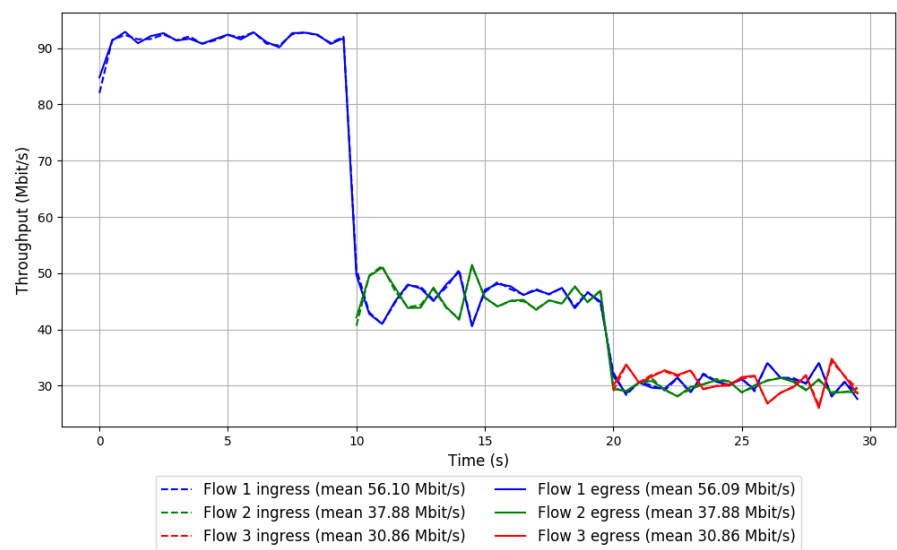


Run 6: Statistics of Copa

Start at: 2018-02-16 15:59:52
End at: 2018-02-16 16:00:22
Local clock offset: -3.794 ms
Remote clock offset: -23.421 ms

Below is generated by plot.py at 2018-02-16 18:10:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.56 Mbit/s
95th percentile per-packet one-way delay: -12.450 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.09 Mbit/s
95th percentile per-packet one-way delay: -12.922 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.88 Mbit/s
95th percentile per-packet one-way delay: -12.351 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.86 Mbit/s
95th percentile per-packet one-way delay: -11.904 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-02-16 16:20:23

End at: 2018-02-16 16:20:53

Local clock offset: -6.385 ms

Remote clock offset: -4.23 ms

Below is generated by plot.py at 2018-02-16 18:10:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.71 Mbit/s

95th percentile per-packet one-way delay: 7.095 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.30 Mbit/s

95th percentile per-packet one-way delay: 6.549 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.94 Mbit/s

95th percentile per-packet one-way delay: 7.191 ms

Loss rate: 0.00%

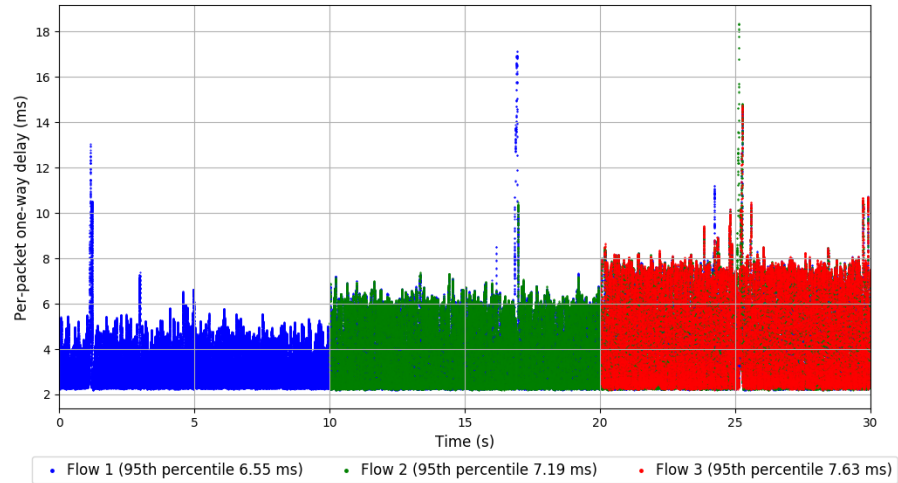
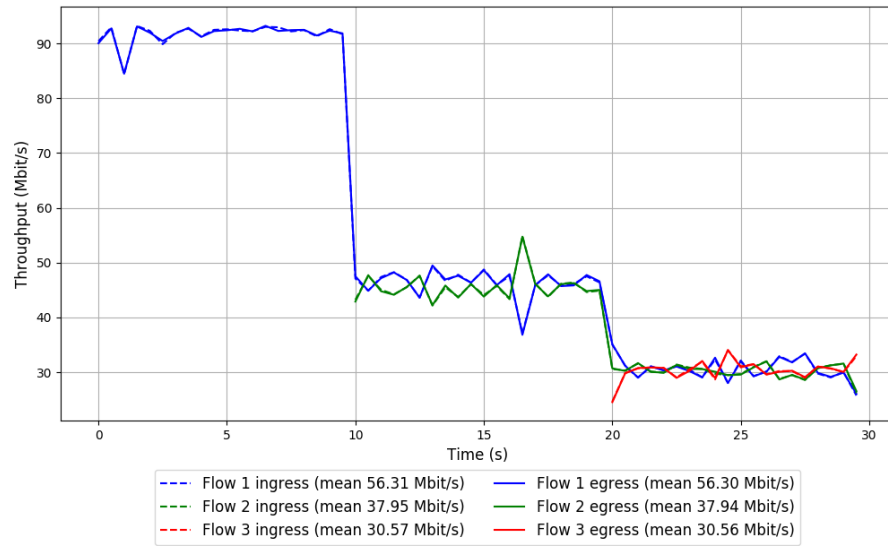
-- Flow 3:

Average throughput: 30.56 Mbit/s

95th percentile per-packet one-way delay: 7.627 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link

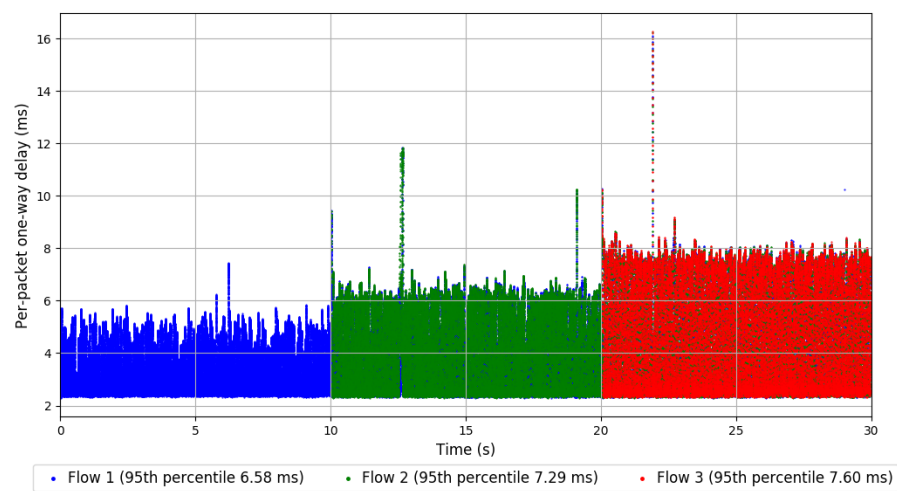
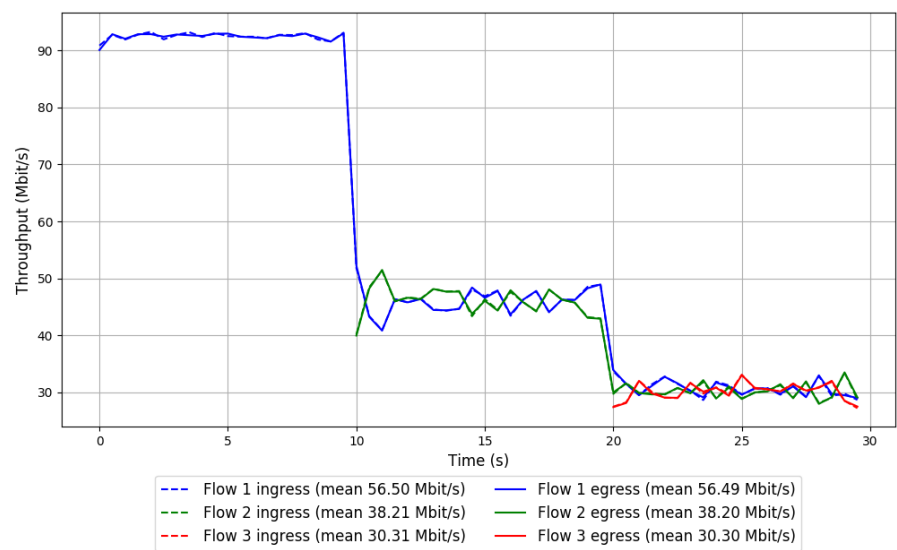


Run 8: Statistics of Copa

Start at: 2018-02-16 16:40:52
End at: 2018-02-16 16:41:22
Local clock offset: -6.115 ms
Remote clock offset: -4.482 ms

```
# Below is generated by plot.py at 2018-02-16 18:10:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.00 Mbit/s
95th percentile per-packet one-way delay: 7.156 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.49 Mbit/s
95th percentile per-packet one-way delay: 6.580 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.20 Mbit/s
95th percentile per-packet one-way delay: 7.291 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.30 Mbit/s
95th percentile per-packet one-way delay: 7.598 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

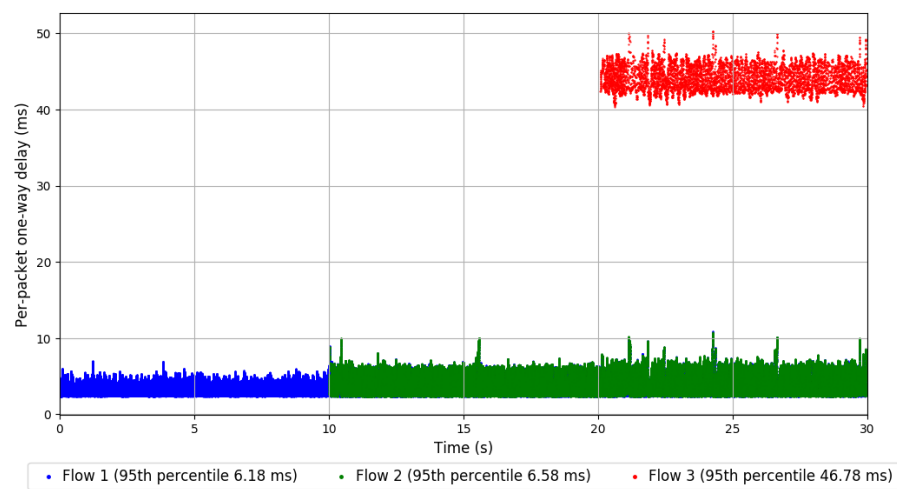
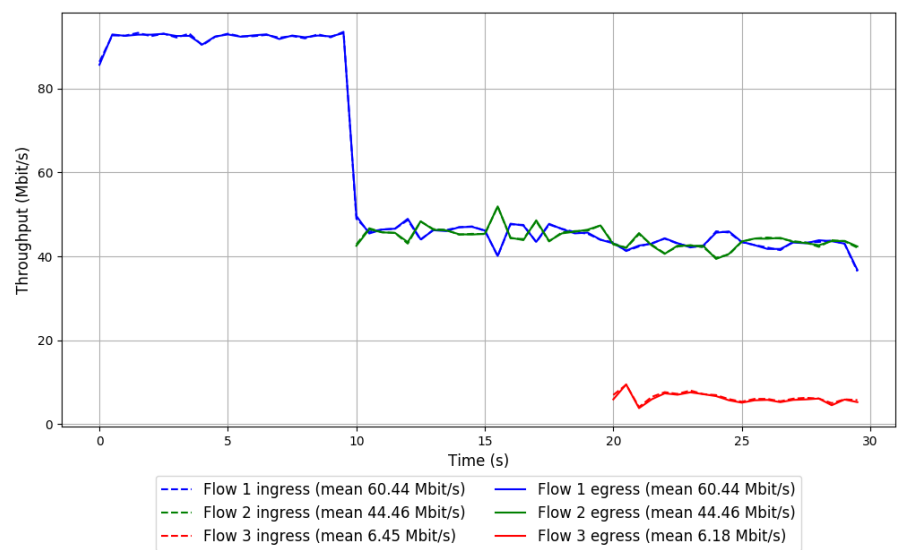


Run 9: Statistics of Copa

Start at: 2018-02-16 17:01:23
End at: 2018-02-16 17:01:53
Local clock offset: -5.812 ms
Remote clock offset: -4.865 ms

Below is generated by plot.py at 2018-02-16 18:12:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.09 Mbit/s
95th percentile per-packet one-way delay: 6.616 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 60.44 Mbit/s
95th percentile per-packet one-way delay: 6.179 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.46 Mbit/s
95th percentile per-packet one-way delay: 6.578 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.18 Mbit/s
95th percentile per-packet one-way delay: 46.777 ms
Loss rate: 4.64%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-02-16 17:21:56

End at: 2018-02-16 17:22:26

Local clock offset: -2.217 ms

Remote clock offset: -5.17 ms

Below is generated by plot.py at 2018-02-16 18:12:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.60 Mbit/s

95th percentile per-packet one-way delay: 7.226 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.65 Mbit/s

95th percentile per-packet one-way delay: 6.695 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.70 Mbit/s

95th percentile per-packet one-way delay: 7.320 ms

Loss rate: 0.00%

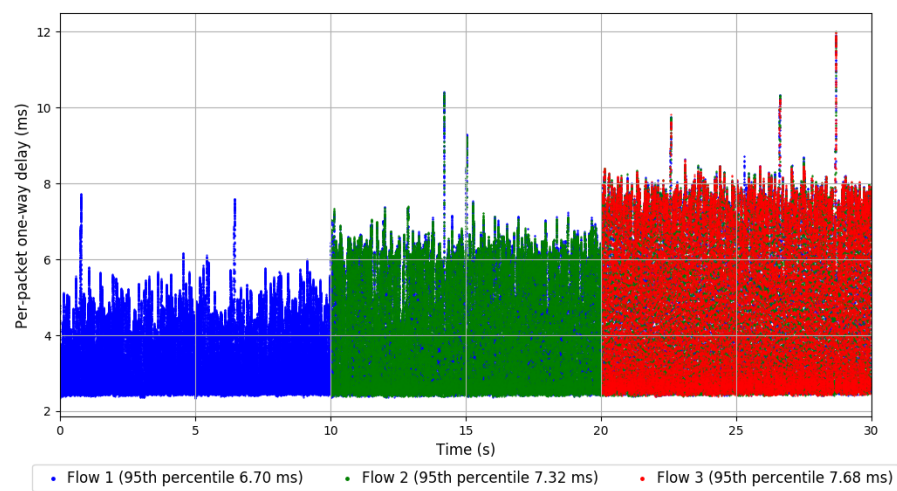
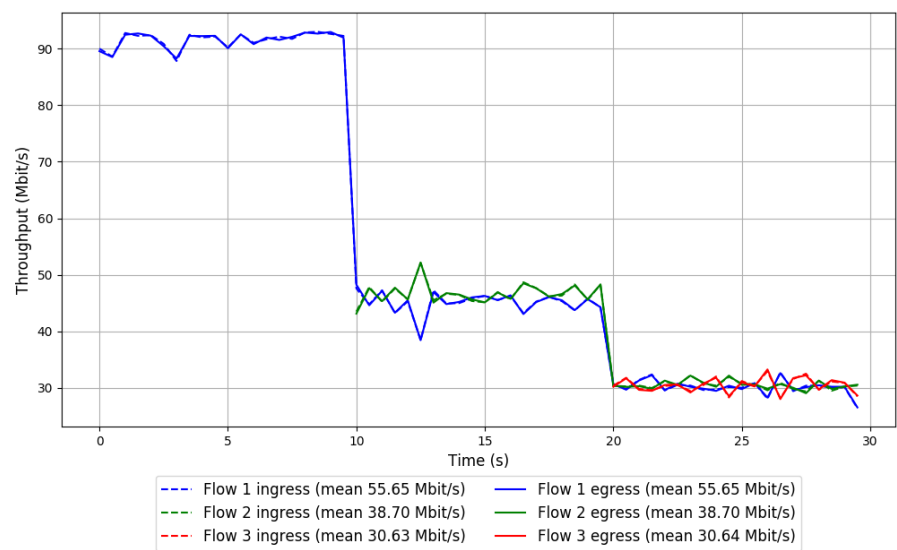
-- Flow 3:

Average throughput: 30.64 Mbit/s

95th percentile per-packet one-way delay: 7.684 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

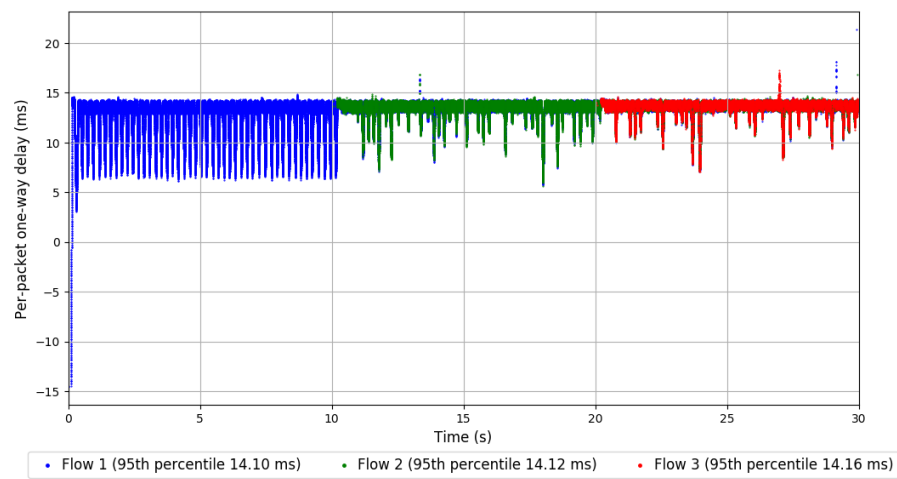
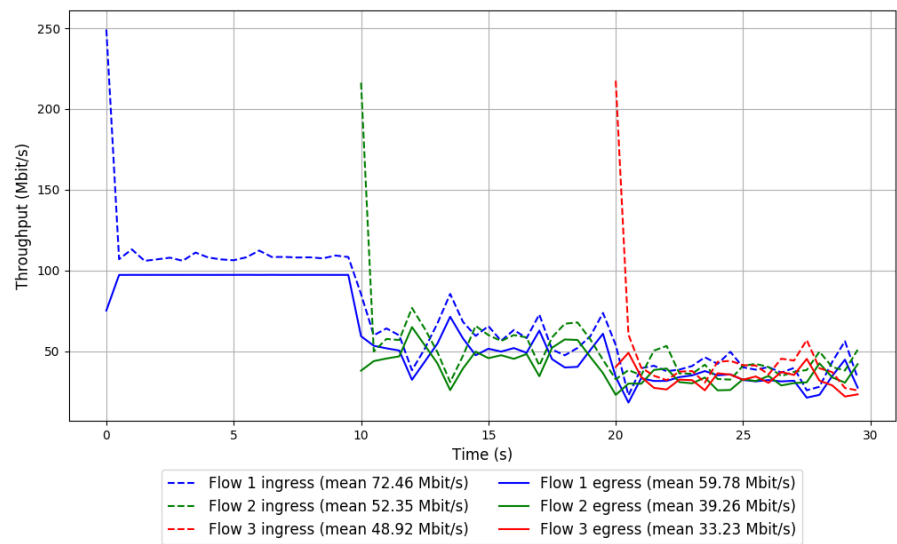


```
Run 1: Statistics of FillP

Start at: 2018-02-16 14:10:31
End at: 2018-02-16 14:11:01
Local clock offset: -4.304 ms
Remote clock offset: -22.413 ms

# Below is generated by plot.py at 2018-02-16 18:12:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 14.115 ms
Loss rate: 21.49%
-- Flow 1:
Average throughput: 59.78 Mbit/s
95th percentile per-packet one-way delay: 14.099 ms
Loss rate: 17.42%
-- Flow 2:
Average throughput: 39.26 Mbit/s
95th percentile per-packet one-way delay: 14.124 ms
Loss rate: 25.01%
-- Flow 3:
Average throughput: 33.23 Mbit/s
95th percentile per-packet one-way delay: 14.160 ms
Loss rate: 32.08%
```


Run 1: Report of FillP — Data Link

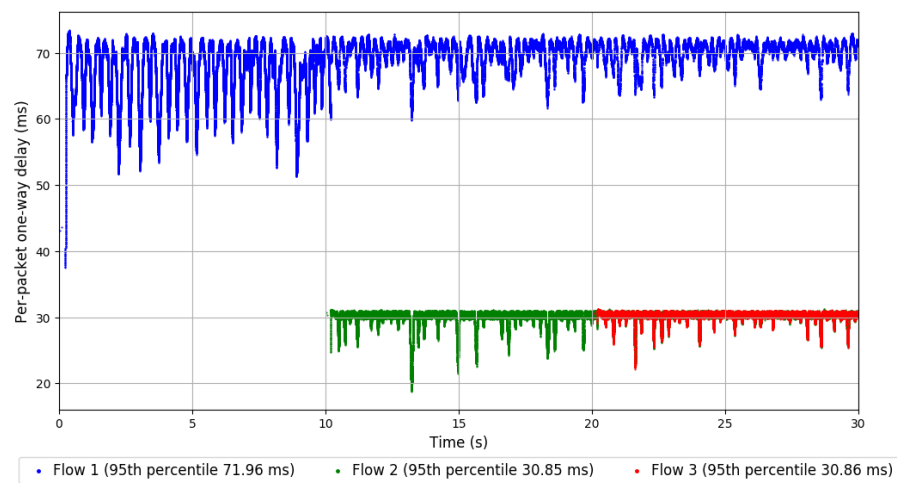
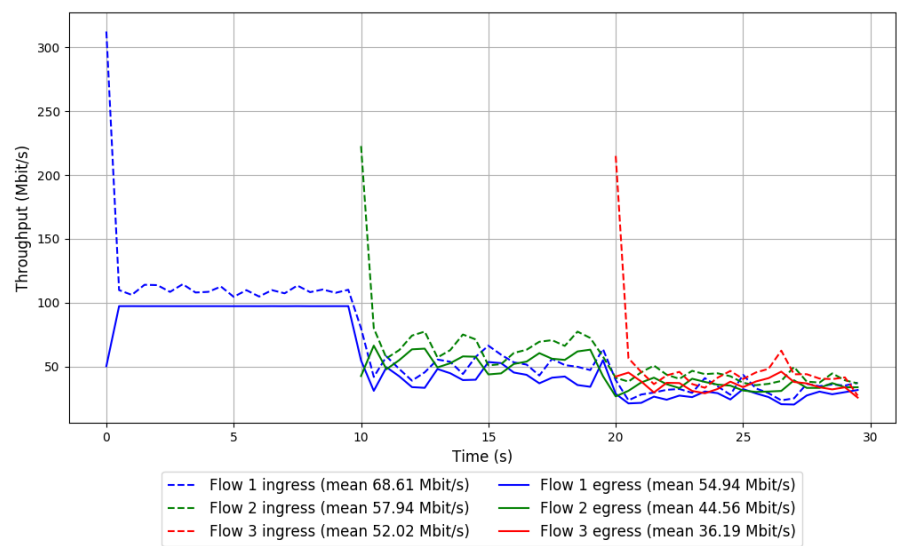


Run 2: Statistics of FillP

Start at: 2018-02-16 14:31:05
End at: 2018-02-16 14:31:35
Local clock offset: -7.984 ms
Remote clock offset: -5.757 ms

Below is generated by plot.py at 2018-02-16 18:12:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 71.747 ms
Loss rate: 22.38%
-- Flow 1:
Average throughput: 54.94 Mbit/s
95th percentile per-packet one-way delay: 71.956 ms
Loss rate: 19.97%
-- Flow 2:
Average throughput: 44.56 Mbit/s
95th percentile per-packet one-way delay: 30.846 ms
Loss rate: 23.08%
-- Flow 3:
Average throughput: 36.19 Mbit/s
95th percentile per-packet one-way delay: 30.862 ms
Loss rate: 30.42%

Run 2: Report of FillP — Data Link

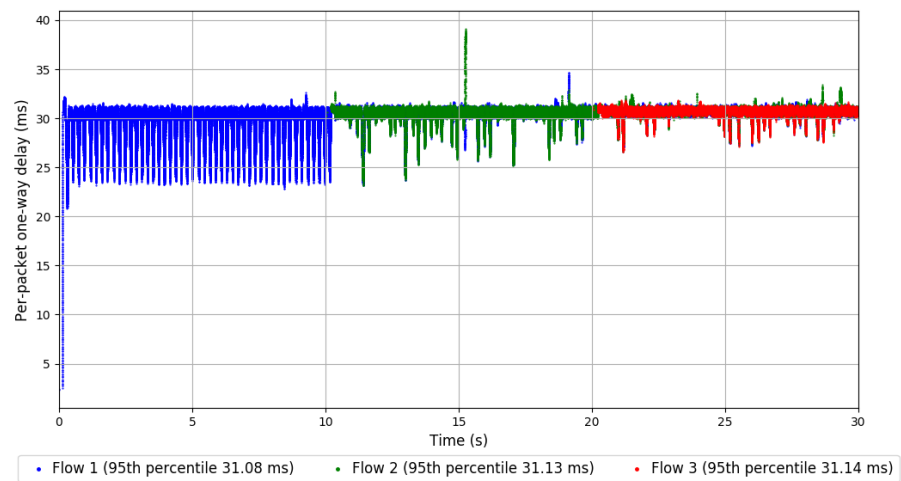
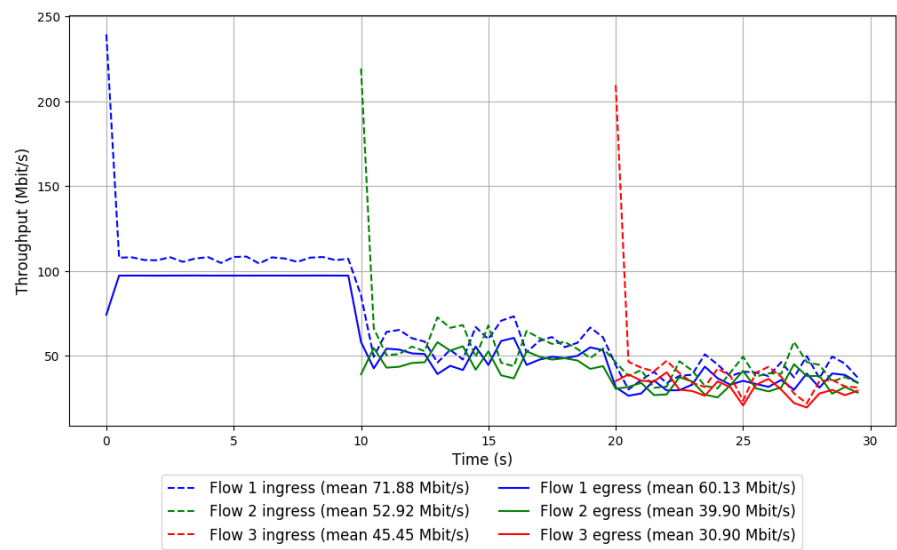


Run 3: Statistics of FillP

Start at: 2018-02-16 14:51:35
End at: 2018-02-16 14:52:05
Local clock offset: -8.609 ms
Remote clock offset: -4.208 ms

Below is generated by plot.py at 2018-02-16 18:12:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 31.103 ms
Loss rate: 20.61%
-- Flow 1:
Average throughput: 60.13 Mbit/s
95th percentile per-packet one-way delay: 31.076 ms
Loss rate: 16.27%
-- Flow 2:
Average throughput: 39.90 Mbit/s
95th percentile per-packet one-way delay: 31.134 ms
Loss rate: 24.60%
-- Flow 3:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 31.144 ms
Loss rate: 32.00%

Run 3: Report of FillP — Data Link

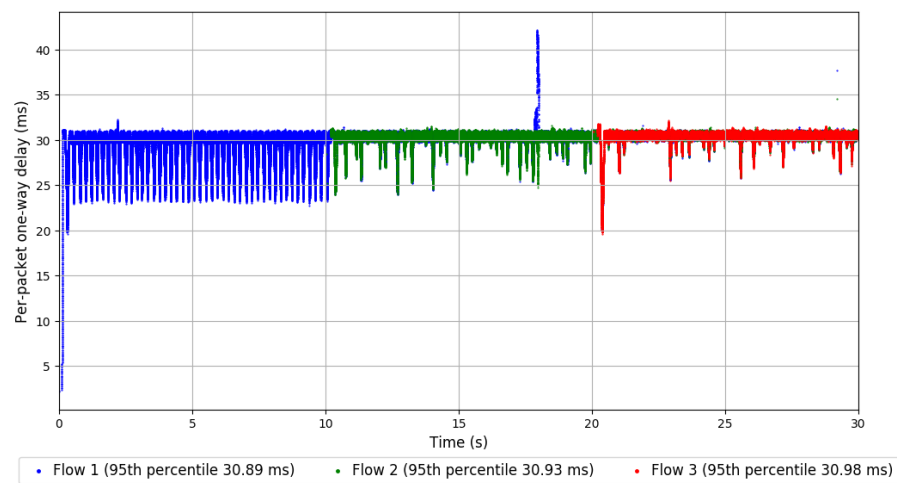
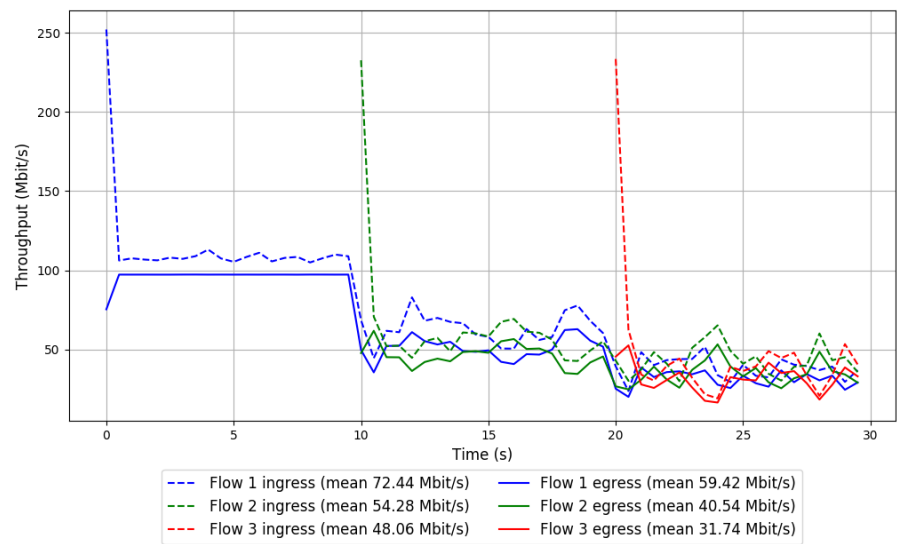


Run 4: Statistics of FillP

Start at: 2018-02-16 15:12:07
End at: 2018-02-16 15:12:37
Local clock offset: -7.055 ms
Remote clock offset: -4.096 ms

Below is generated by plot.py at 2018-02-16 18:12:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 30.914 ms
Loss rate: 22.10%
-- Flow 1:
Average throughput: 59.42 Mbit/s
95th percentile per-packet one-way delay: 30.891 ms
Loss rate: 17.89%
-- Flow 2:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 30.931 ms
Loss rate: 25.30%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 30.983 ms
Loss rate: 33.96%

Run 4: Report of FillP — Data Link

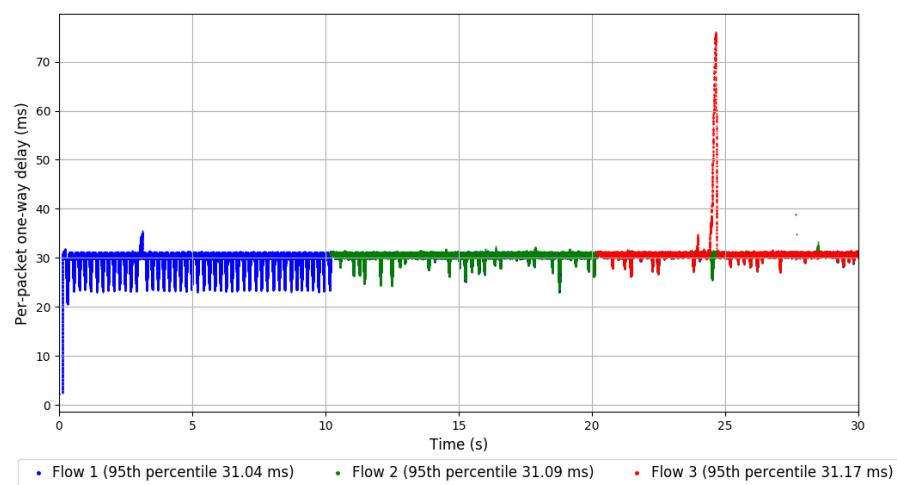
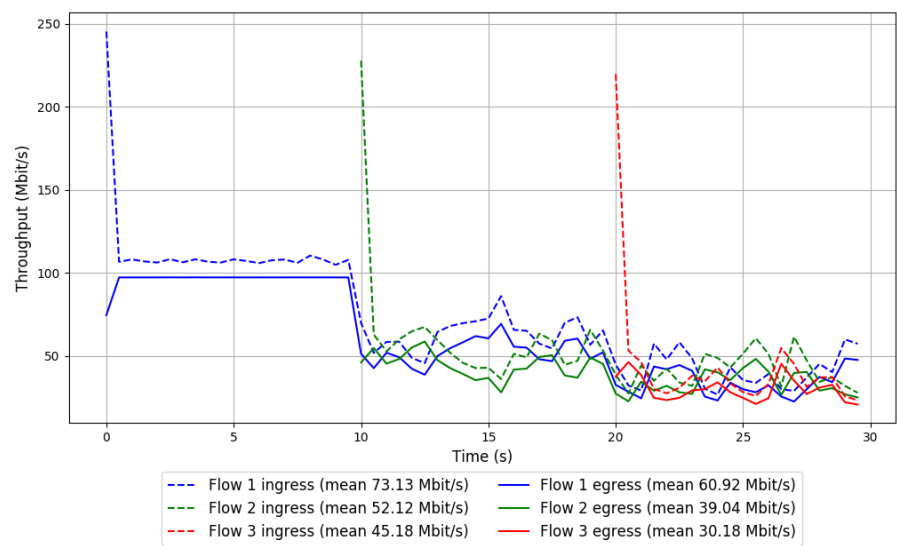


Run 5: Statistics of FillP

Start at: 2018-02-16 15:32:39
End at: 2018-02-16 15:33:09
Local clock offset: -4.862 ms
Remote clock offset: -4.287 ms

Below is generated by plot.py at 2018-02-16 18:12:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 31.067 ms
Loss rate: 21.03%
-- Flow 1:
Average throughput: 60.92 Mbit/s
95th percentile per-packet one-way delay: 31.038 ms
Loss rate: 16.61%
-- Flow 2:
Average throughput: 39.04 Mbit/s
95th percentile per-packet one-way delay: 31.086 ms
Loss rate: 25.10%
-- Flow 3:
Average throughput: 30.18 Mbit/s
95th percentile per-packet one-way delay: 31.168 ms
Loss rate: 33.19%

Run 5: Report of FillP — Data Link

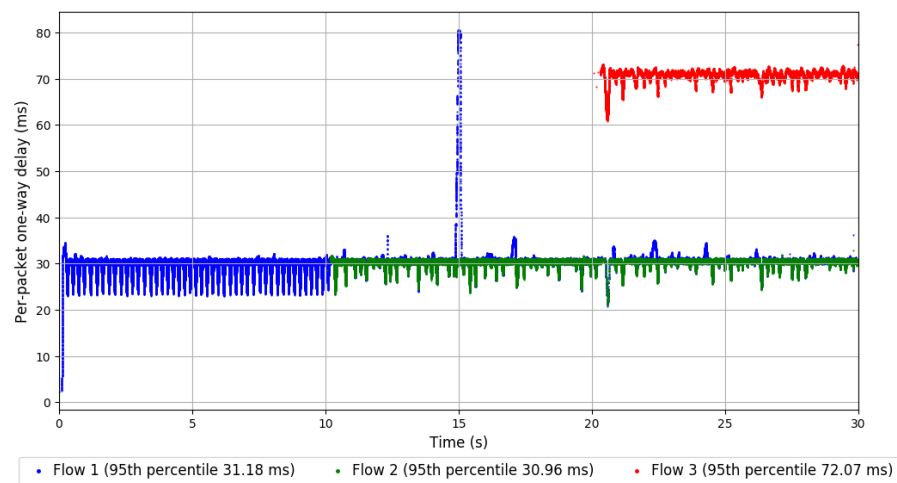
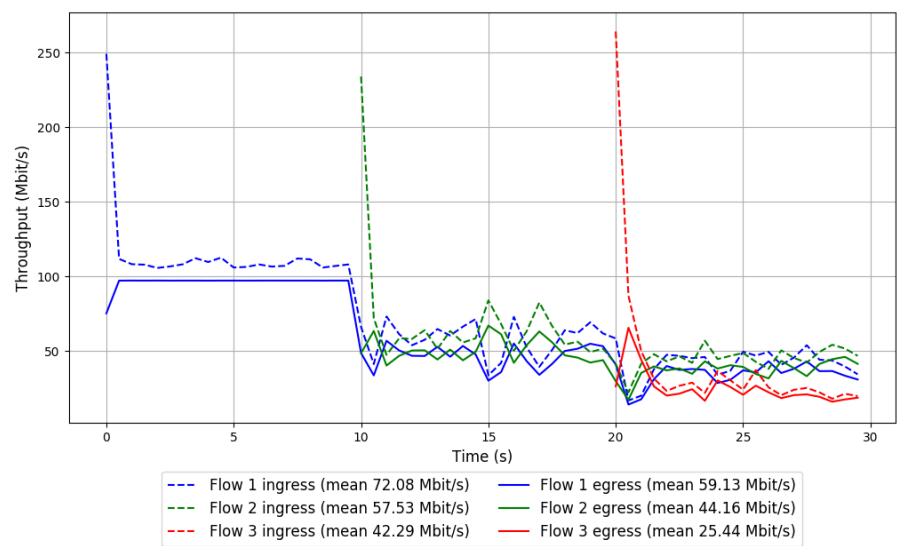


Run 6: Statistics of FillP

Start at: 2018-02-16 15:53:09
End at: 2018-02-16 15:53:39
Local clock offset: -3.075 ms
Remote clock offset: -4.066 ms

Below is generated by plot.py at 2018-02-16 18:12:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 70.987 ms
Loss rate: 22.04%
-- Flow 1:
Average throughput: 59.13 Mbit/s
95th percentile per-packet one-way delay: 31.185 ms
Loss rate: 17.90%
-- Flow 2:
Average throughput: 44.16 Mbit/s
95th percentile per-packet one-way delay: 30.960 ms
Loss rate: 23.24%
-- Flow 3:
Average throughput: 25.44 Mbit/s
95th percentile per-packet one-way delay: 72.072 ms
Loss rate: 40.05%

Run 6: Report of FillP — Data Link

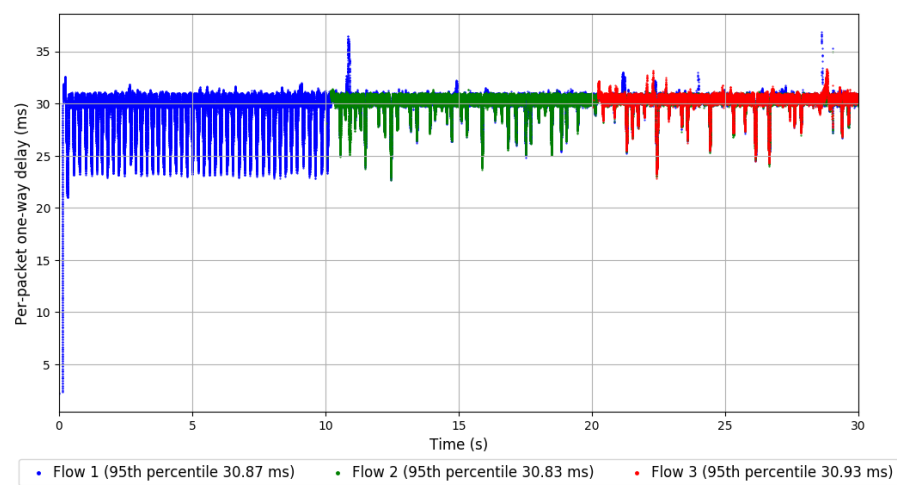
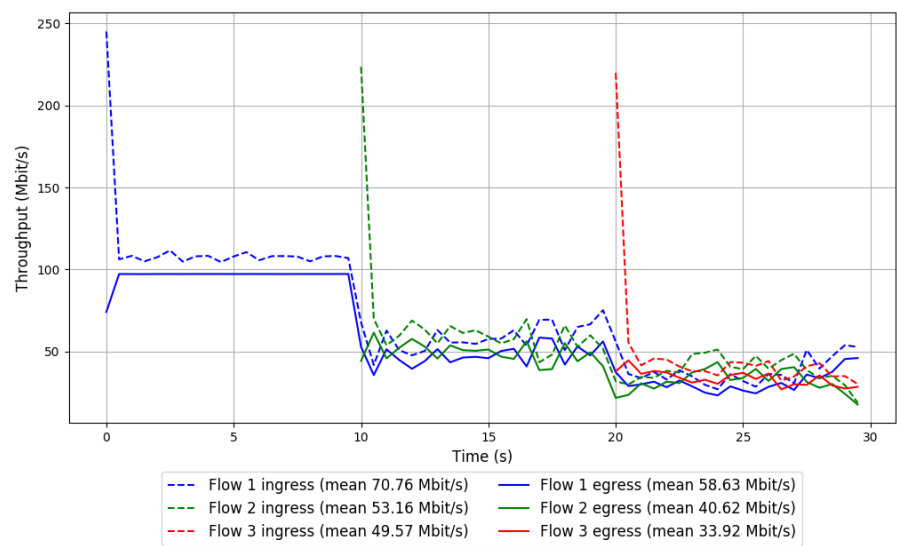


Run 7: Statistics of FillP

Start at: 2018-02-16 16:13:40
End at: 2018-02-16 16:14:10
Local clock offset: -6.056 ms
Remote clock offset: -3.935 ms

Below is generated by plot.py at 2018-02-16 18:13:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 30.865 ms
Loss rate: 20.89%
-- Flow 1:
Average throughput: 58.63 Mbit/s
95th percentile per-packet one-way delay: 30.873 ms
Loss rate: 17.06%
-- Flow 2:
Average throughput: 40.62 Mbit/s
95th percentile per-packet one-way delay: 30.834 ms
Loss rate: 23.58%
-- Flow 3:
Average throughput: 33.92 Mbit/s
95th percentile per-packet one-way delay: 30.933 ms
Loss rate: 31.56%

Run 7: Report of FillP — Data Link

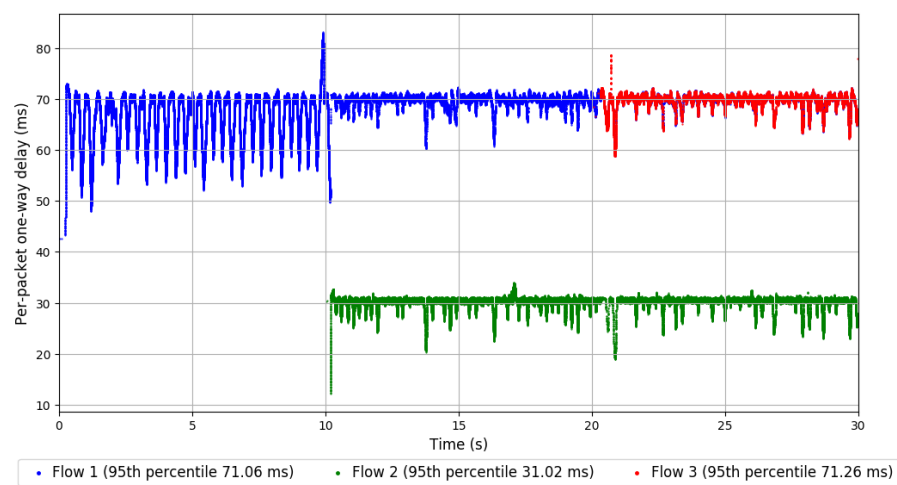
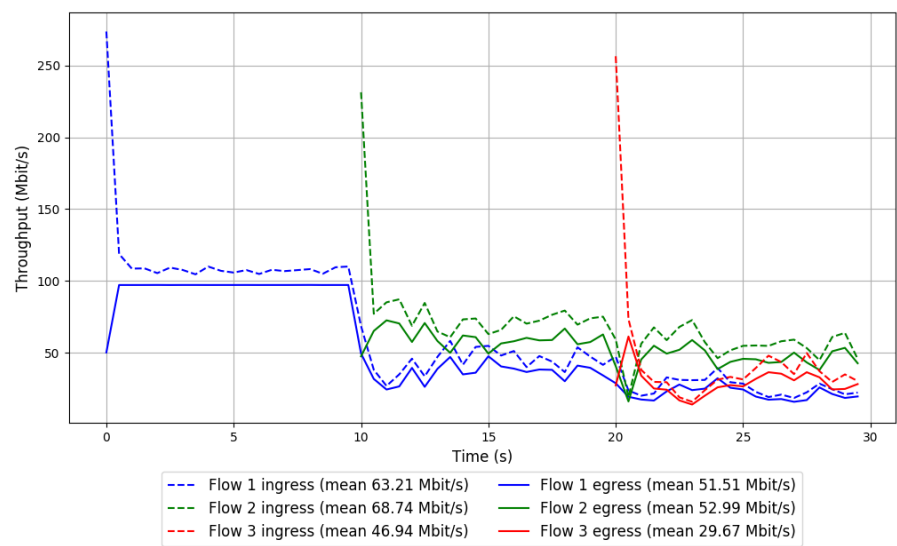


Run 8: Statistics of FillP

Start at: 2018-02-16 16:34:10
End at: 2018-02-16 16:34:40
Local clock offset: -6.425 ms
Remote clock offset: -4.502 ms

Below is generated by plot.py at 2018-02-16 18:13:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 70.918 ms
Loss rate: 22.47%
-- Flow 1:
Average throughput: 51.51 Mbit/s
95th percentile per-packet one-way delay: 71.064 ms
Loss rate: 18.56%
-- Flow 2:
Average throughput: 52.99 Mbit/s
95th percentile per-packet one-way delay: 31.023 ms
Loss rate: 22.92%
-- Flow 3:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 71.261 ms
Loss rate: 37.00%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-02-16 16:54:42

End at: 2018-02-16 16:55:12

Local clock offset: -5.85 ms

Remote clock offset: -4.65 ms

Below is generated by plot.py at 2018-02-16 18:13:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.89 Mbit/s

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

Loss rate: 20.98%

-- Flow 1:

Average throughput: 57.84 Mbit/s

95th percentile per-packet one-way delay: 30.967 ms

Loss rate: 16.77%

-- Flow 2:

Average throughput: 41.37 Mbit/s

95th percentile per-packet one-way delay: 31.119 ms

Loss rate: 23.50%

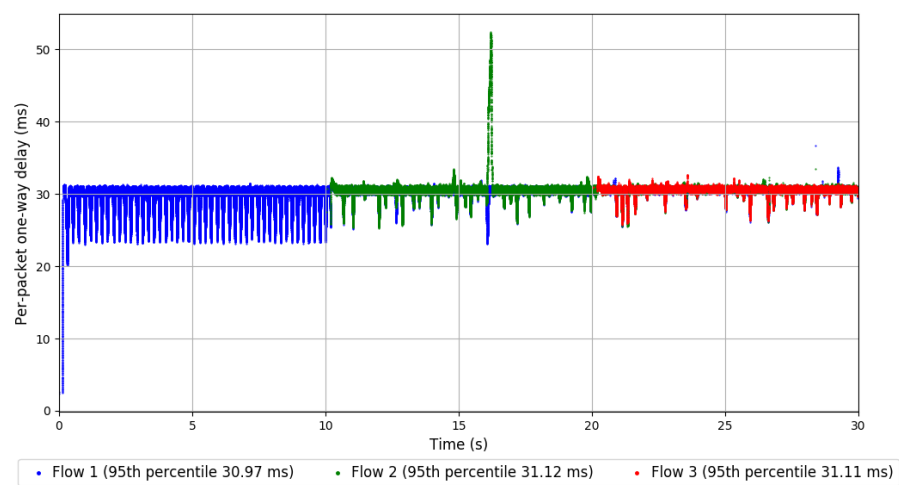
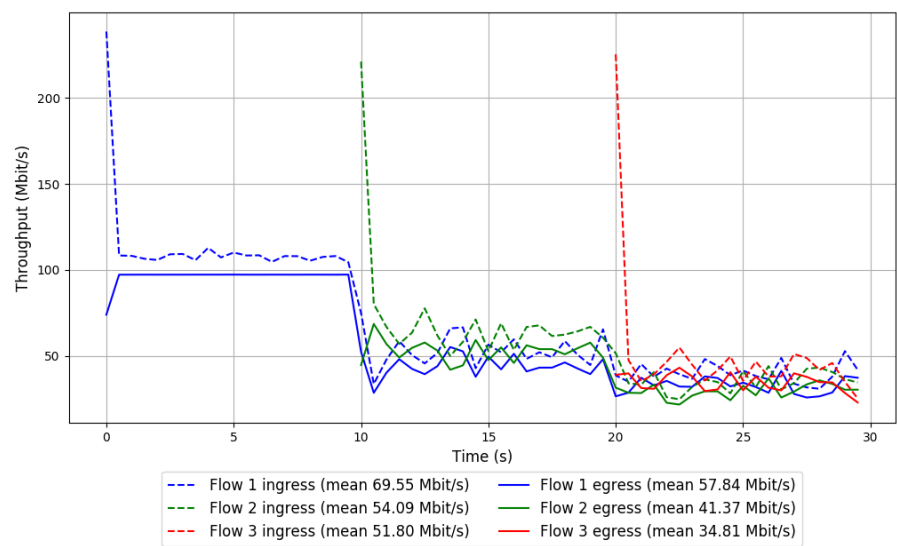
-- Flow 3:

Average throughput: 34.81 Mbit/s

95th percentile per-packet one-way delay: 31.113 ms

Loss rate: 32.80%

Run 9: Report of FillP — Data Link

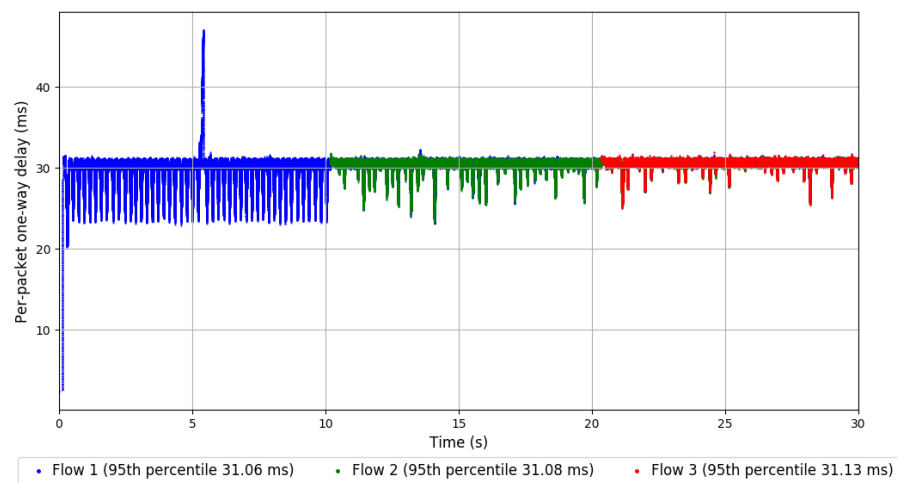
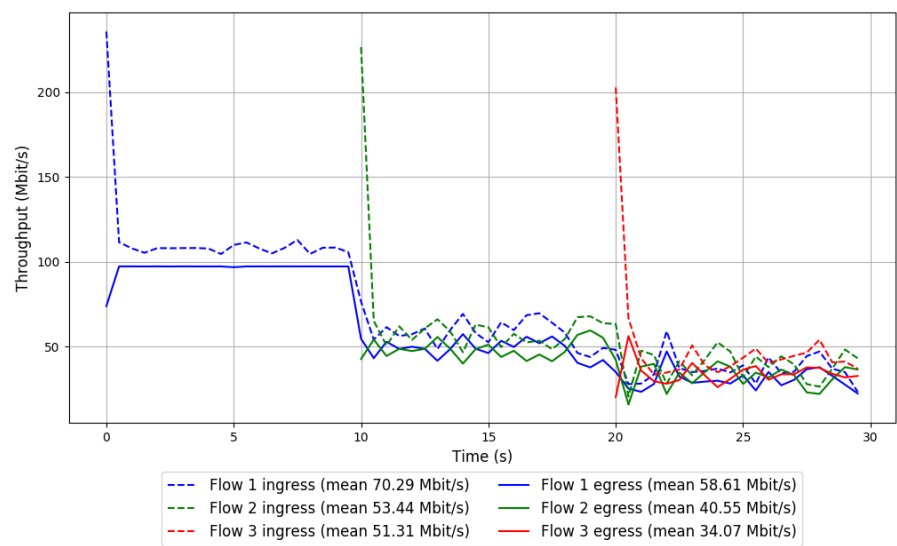


Run 10: Statistics of FillP

Start at: 2018-02-16 17:15:12
End at: 2018-02-16 17:15:42
Local clock offset: -3.168 ms
Remote clock offset: -5.039 ms

Below is generated by plot.py at 2018-02-16 18:14:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 31.081 ms
Loss rate: 21.09%
-- Flow 1:
Average throughput: 58.61 Mbit/s
95th percentile per-packet one-way delay: 31.064 ms
Loss rate: 16.54%
-- Flow 2:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 31.079 ms
Loss rate: 24.11%
-- Flow 3:
Average throughput: 34.07 Mbit/s
95th percentile per-packet one-way delay: 31.133 ms
Loss rate: 33.59%

Run 10: Report of FillP — Data Link

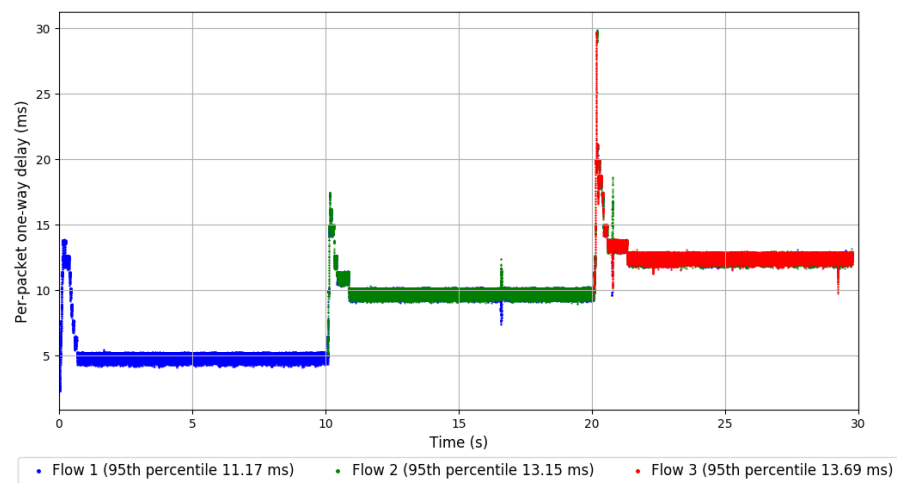
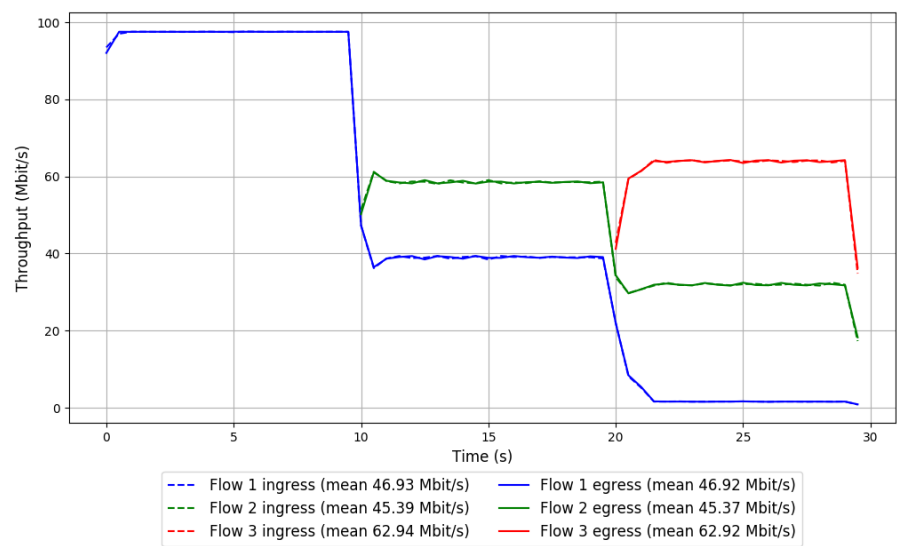


Run 1: Statistics of Indigo-1-32

Start at: 2018-02-16 14:07:02
End at: 2018-02-16 14:07:32
Local clock offset: -4.452 ms
Remote clock offset: -5.554 ms

Below is generated by plot.py at 2018-02-16 18:14:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 12.886 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.92 Mbit/s
95th percentile per-packet one-way delay: 11.166 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.37 Mbit/s
95th percentile per-packet one-way delay: 13.155 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.92 Mbit/s
95th percentile per-packet one-way delay: 13.690 ms
Loss rate: 0.00%

Run 1: Report of Indigo-1-32 — Data Link

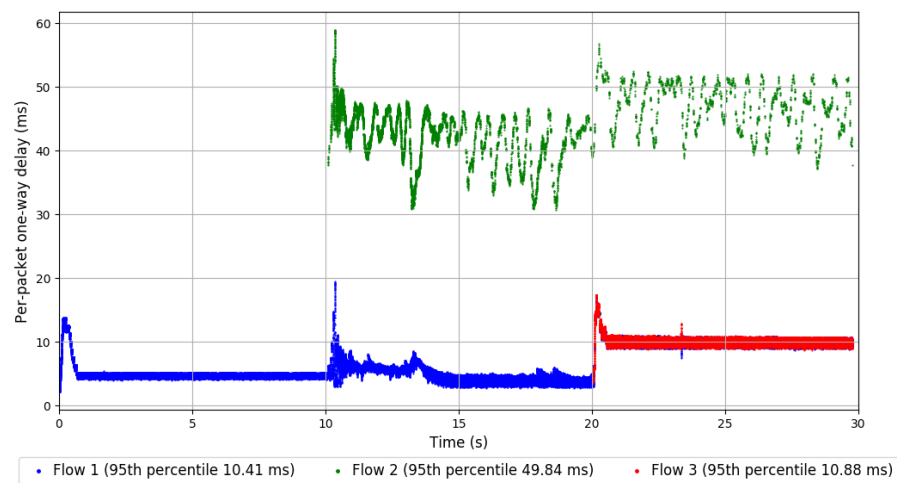
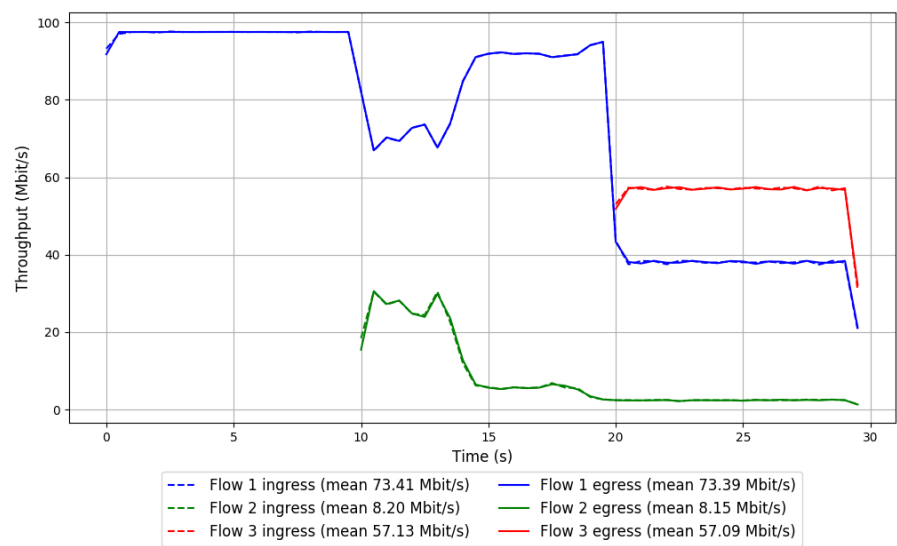


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-16 14:27:35
End at: 2018-02-16 14:28:05
Local clock offset: -7.59 ms
Remote clock offset: -5.779 ms

Below is generated by plot.py at 2018-02-16 18:14:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 36.661 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 73.39 Mbit/s
95th percentile per-packet one-way delay: 10.412 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.15 Mbit/s
95th percentile per-packet one-way delay: 49.843 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 57.09 Mbit/s
95th percentile per-packet one-way delay: 10.881 ms
Loss rate: 0.00%

Run 2: Report of Indigo-1-32 — Data Link

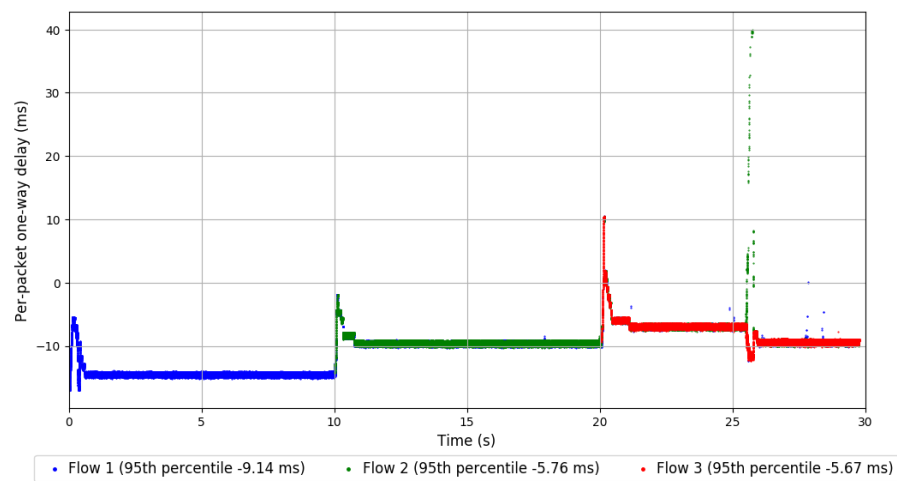
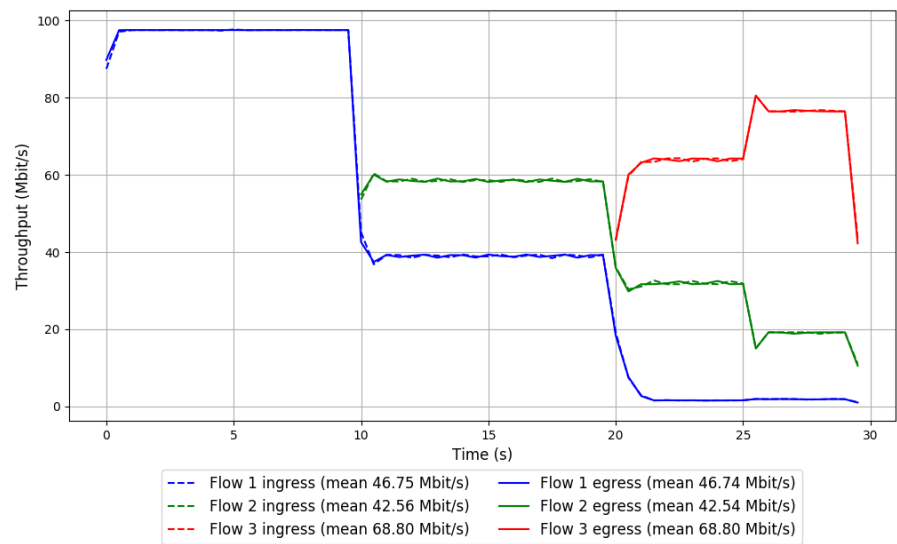


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-16 14:48:06
End at: 2018-02-16 14:48:36
Local clock offset: -9.031 ms
Remote clock offset: -23.526 ms

Below is generated by plot.py at 2018-02-16 18:14:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: -6.501 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 46.74 Mbit/s
95th percentile per-packet one-way delay: -9.142 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.54 Mbit/s
95th percentile per-packet one-way delay: -5.756 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 68.80 Mbit/s
95th percentile per-packet one-way delay: -5.666 ms
Loss rate: 0.00%

Run 3: Report of Indigo-1-32 — Data Link

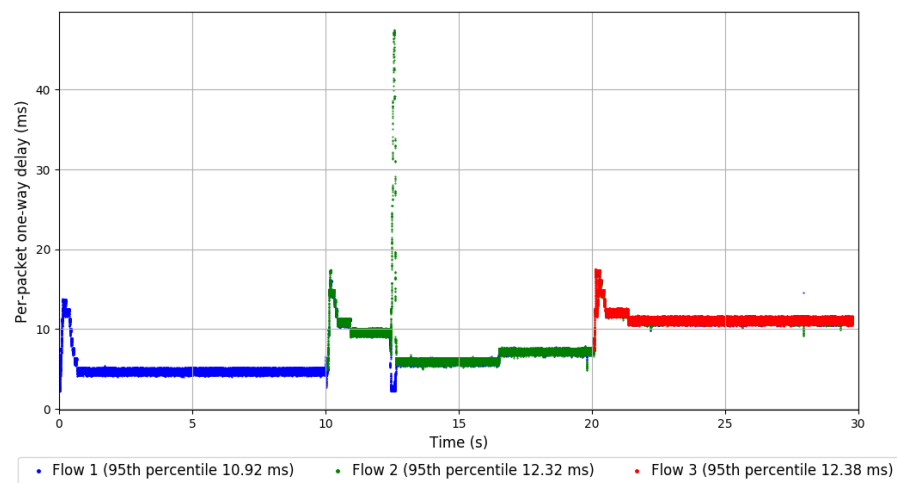
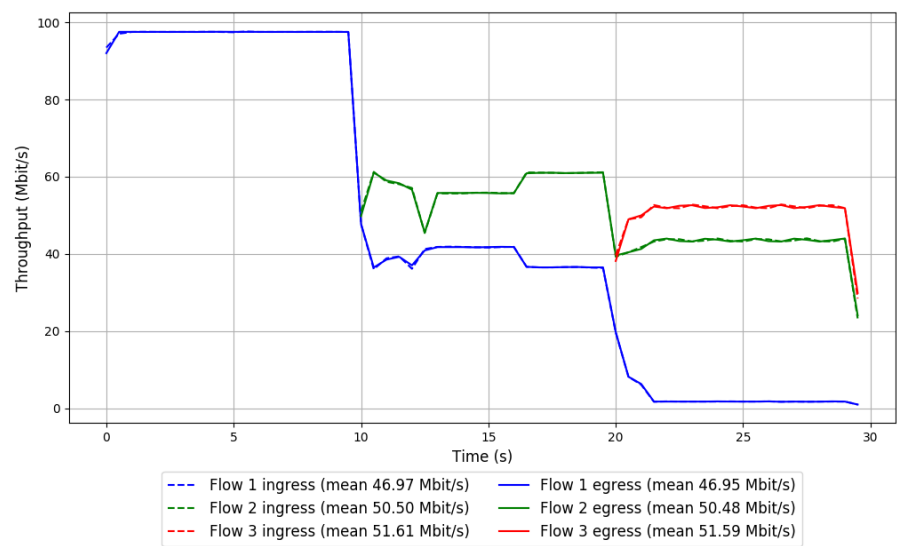


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-16 15:08:38
End at: 2018-02-16 15:09:08
Local clock offset: -7.159 ms
Remote clock offset: -3.978 ms

Below is generated by plot.py at 2018-02-16 18:14:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 12.276 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 46.95 Mbit/s
95th percentile per-packet one-way delay: 10.921 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.48 Mbit/s
95th percentile per-packet one-way delay: 12.320 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 51.59 Mbit/s
95th percentile per-packet one-way delay: 12.385 ms
Loss rate: 0.00%

Run 4: Report of Indigo-1-32 — Data Link

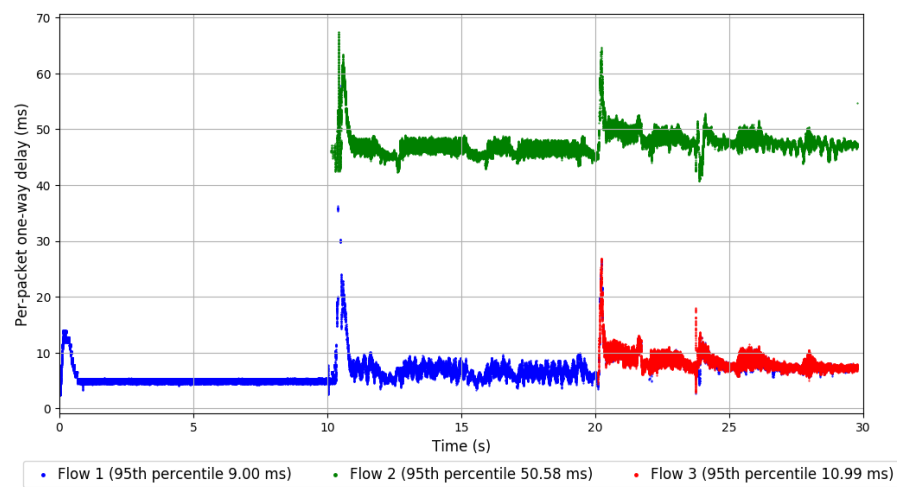
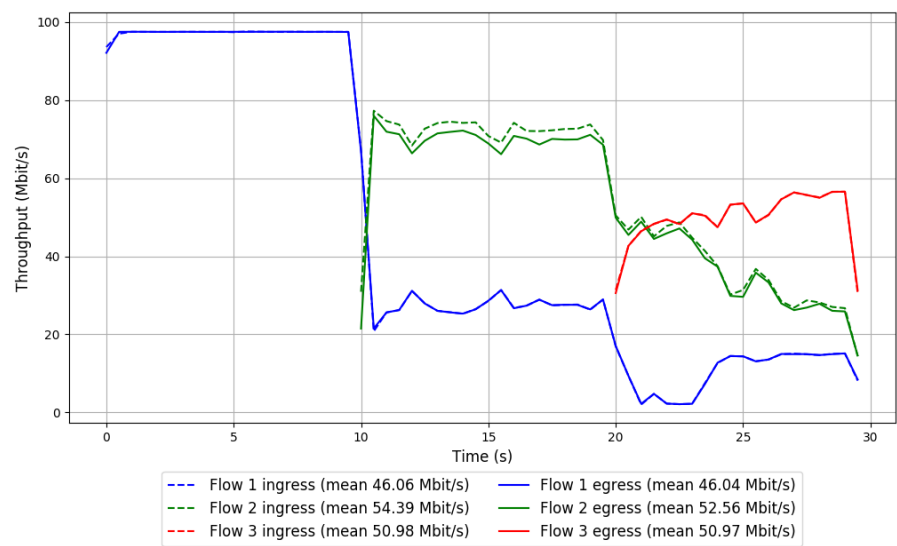


Run 5: Statistics of Indigo-1-32

Start at: 2018-02-16 15:29:10
End at: 2018-02-16 15:29:40
Local clock offset: -5.424 ms
Remote clock offset: -4.227 ms

Below is generated by plot.py at 2018-02-16 18:15:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 48.794 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 46.04 Mbit/s
95th percentile per-packet one-way delay: 8.999 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 52.56 Mbit/s
95th percentile per-packet one-way delay: 50.582 ms
Loss rate: 3.51%
-- Flow 3:
Average throughput: 50.97 Mbit/s
95th percentile per-packet one-way delay: 10.994 ms
Loss rate: 0.01%

Run 5: Report of Indigo-1-32 — Data Link

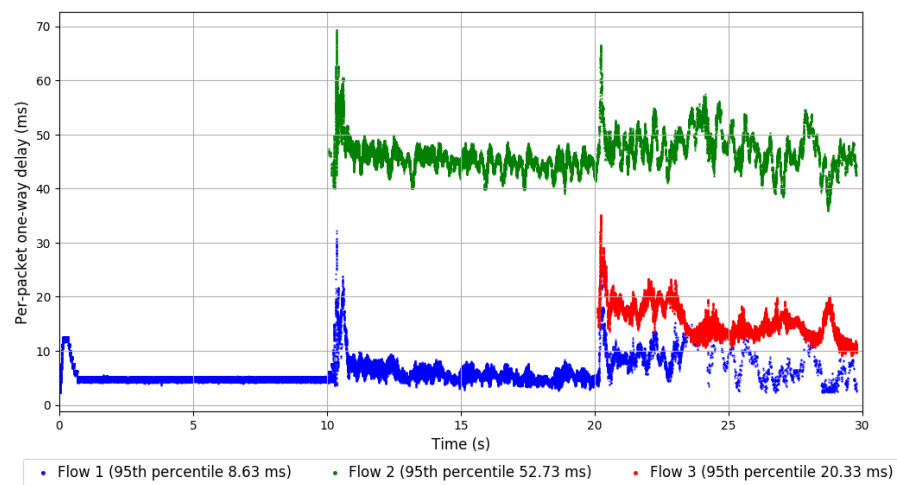
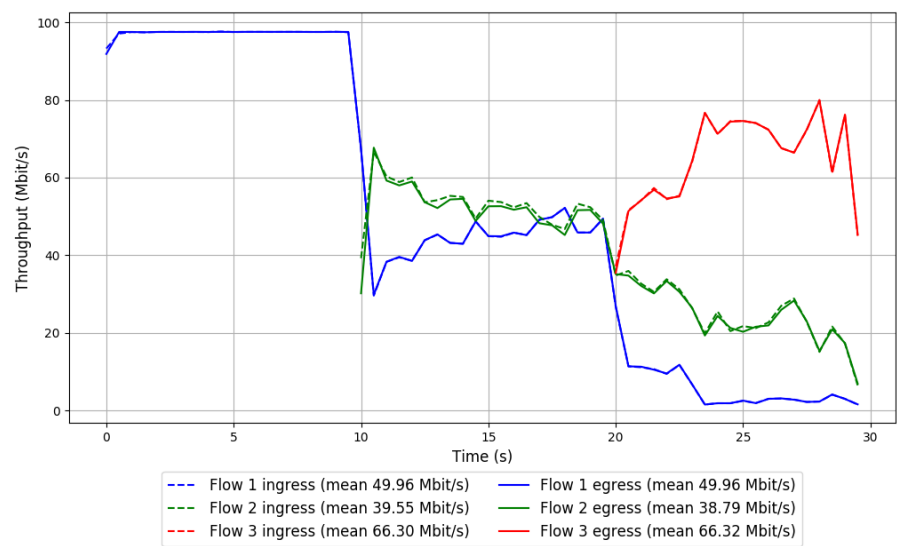


Run 6: Statistics of Indigo-1-32

Start at: 2018-02-16 15:49:40
End at: 2018-02-16 15:50:10
Local clock offset: -3.301 ms
Remote clock offset: -4.139 ms

Below is generated by plot.py at 2018-02-16 18:15:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 48.028 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 49.96 Mbit/s
95th percentile per-packet one-way delay: 8.633 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.79 Mbit/s
95th percentile per-packet one-way delay: 52.725 ms
Loss rate: 2.10%
-- Flow 3:
Average throughput: 66.32 Mbit/s
95th percentile per-packet one-way delay: 20.329 ms
Loss rate: 0.10%

Run 6: Report of Indigo-1-32 — Data Link

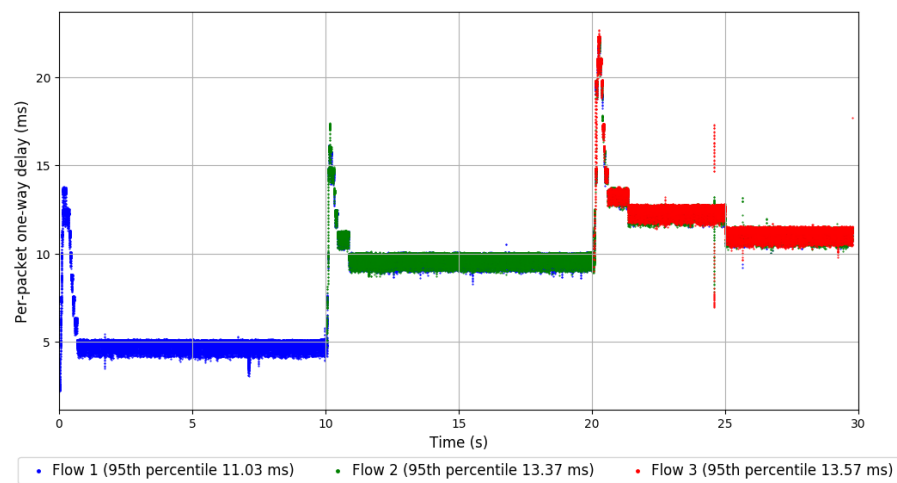
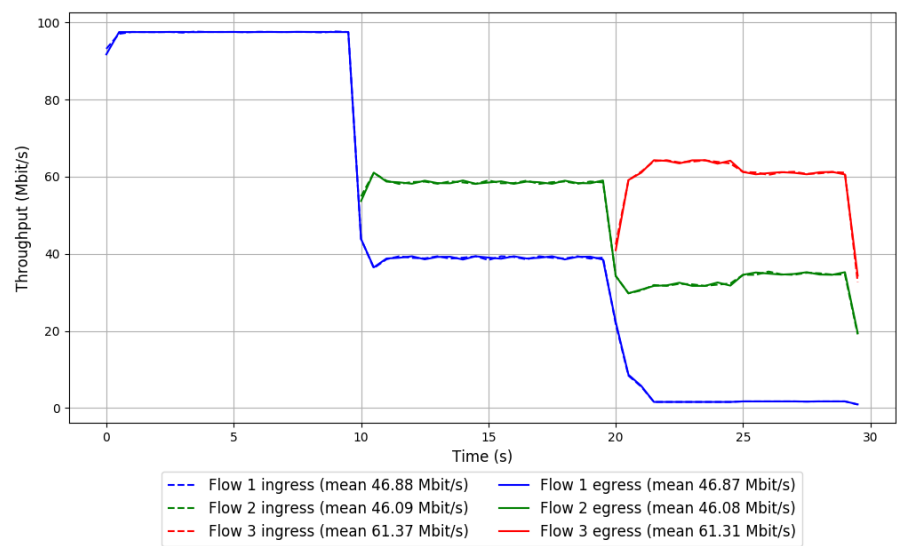


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-16 16:10:10
End at: 2018-02-16 16:10:40
Local clock offset: -5.801 ms
Remote clock offset: -3.964 ms

Below is generated by plot.py at 2018-02-16 18:15:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 13.023 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.87 Mbit/s
95th percentile per-packet one-way delay: 11.030 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.08 Mbit/s
95th percentile per-packet one-way delay: 13.374 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 61.31 Mbit/s
95th percentile per-packet one-way delay: 13.569 ms
Loss rate: 0.00%

Run 7: Report of Indigo-1-32 — Data Link

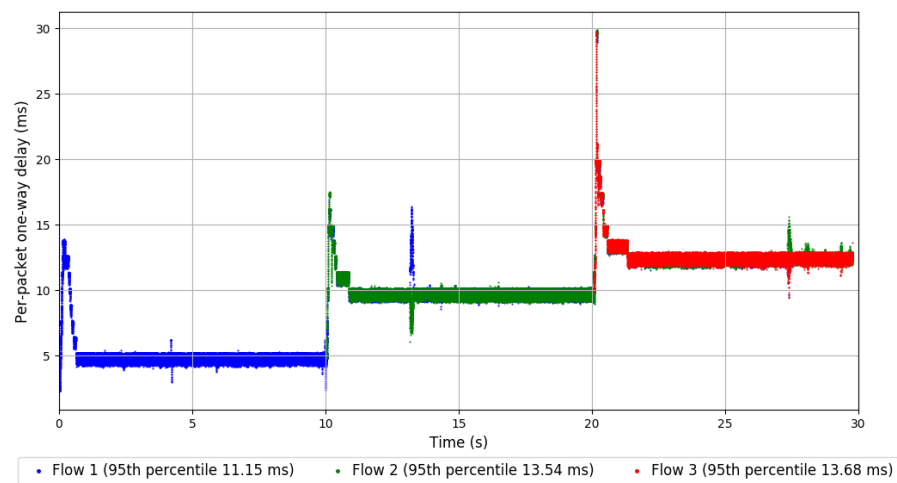
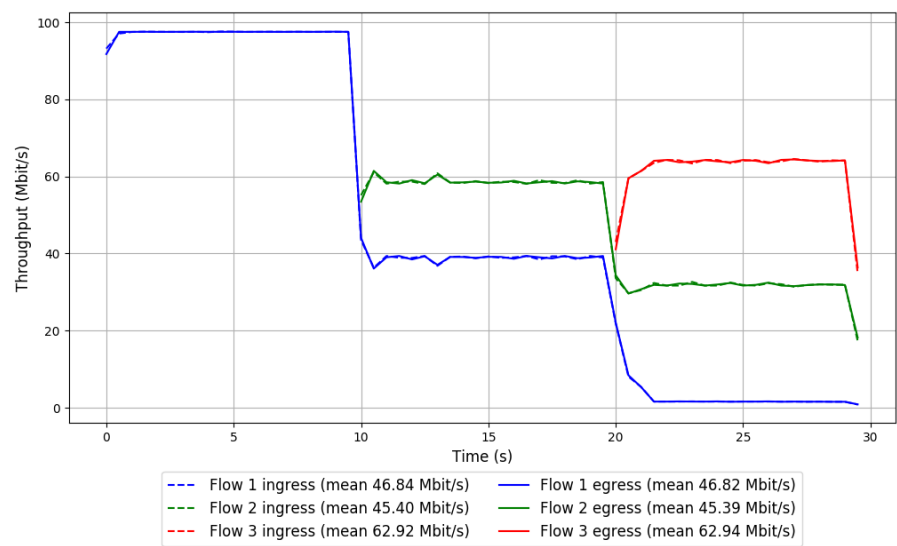


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-16 16:30:40
End at: 2018-02-16 16:31:10
Local clock offset: -6.624 ms
Remote clock offset: -4.389 ms

Below is generated by plot.py at 2018-02-16 18:15:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 13.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.82 Mbit/s
95th percentile per-packet one-way delay: 11.150 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.39 Mbit/s
95th percentile per-packet one-way delay: 13.539 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.94 Mbit/s
95th percentile per-packet one-way delay: 13.676 ms
Loss rate: 0.00%

Run 8: Report of Indigo-1-32 — Data Link

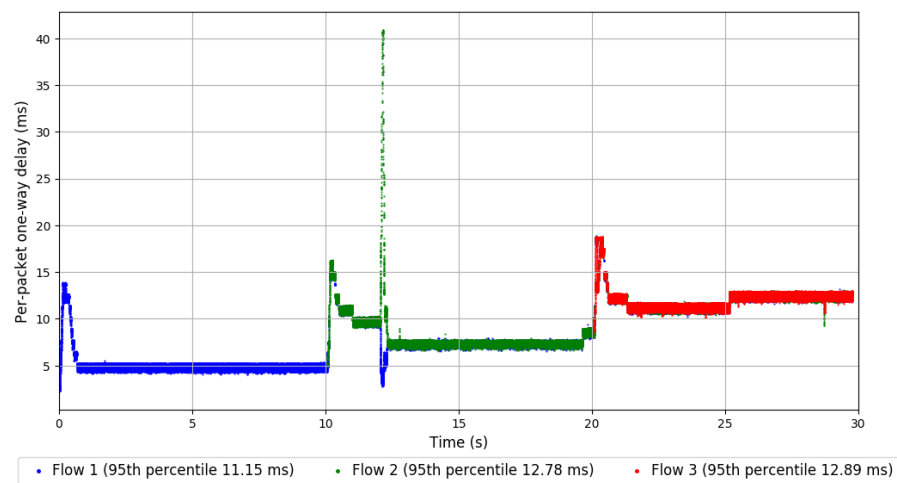
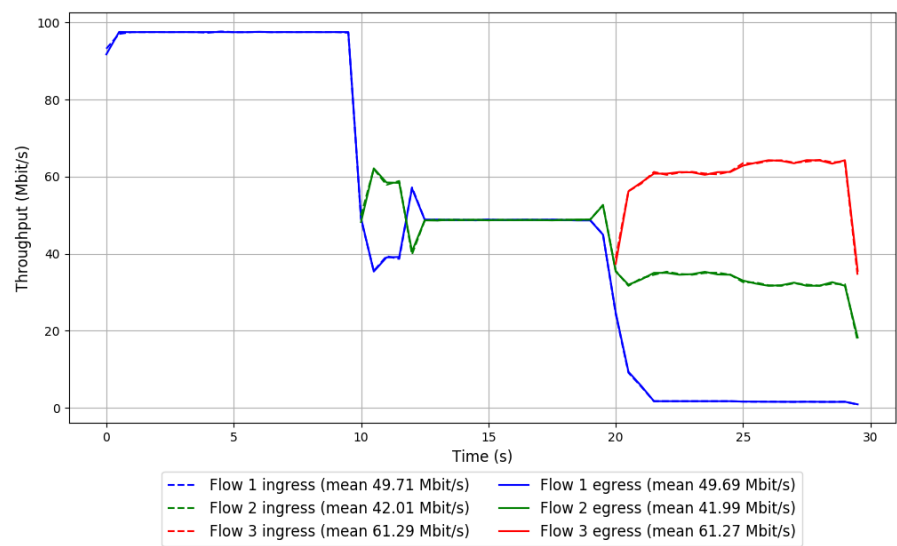


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-16 16:51:11
End at: 2018-02-16 16:51:41
Local clock offset: -5.963 ms
Remote clock offset: -4.571 ms

Below is generated by plot.py at 2018-02-16 18:15:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 12.742 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.69 Mbit/s
95th percentile per-packet one-way delay: 11.149 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.99 Mbit/s
95th percentile per-packet one-way delay: 12.780 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 61.27 Mbit/s
95th percentile per-packet one-way delay: 12.889 ms
Loss rate: 0.00%

Run 9: Report of Indigo-1-32 — Data Link

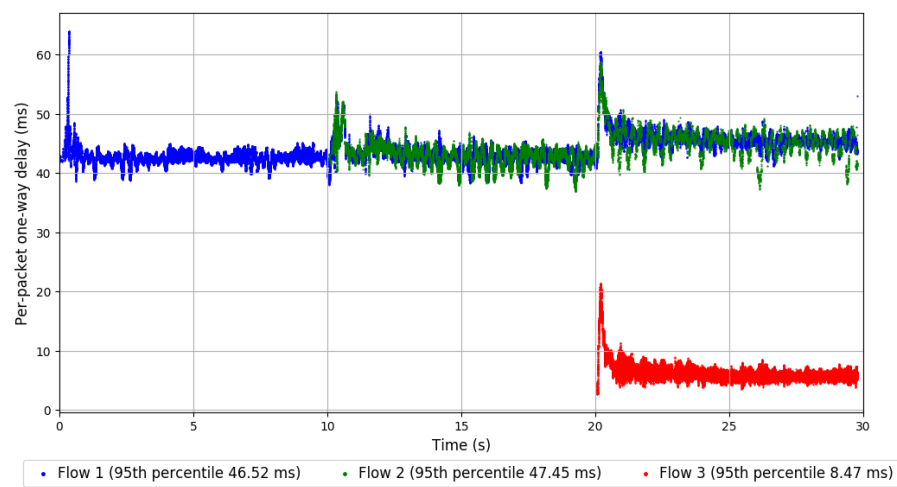
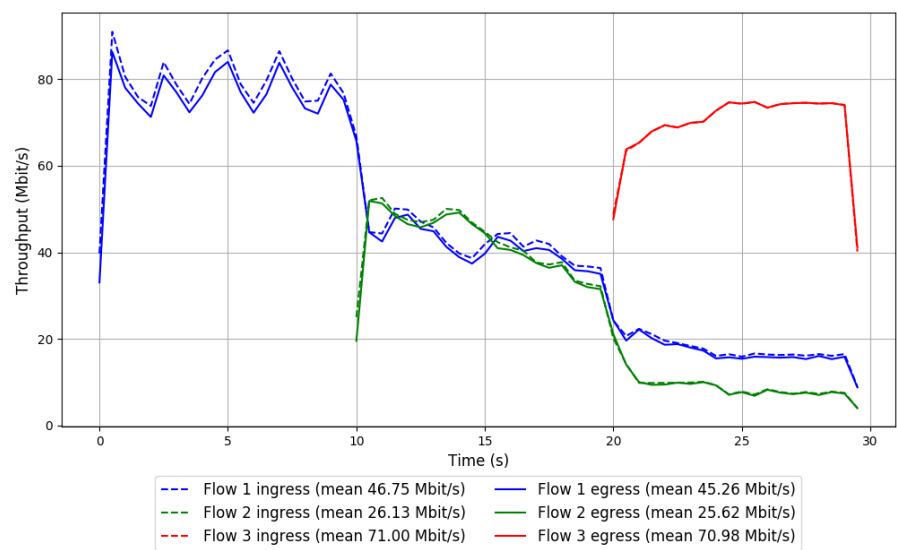


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-16 17:11:43
End at: 2018-02-16 17:12:13
Local clock offset: -3.906 ms
Remote clock offset: -5.051 ms

Below is generated by plot.py at 2018-02-16 18:15:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.43 Mbit/s
95th percentile per-packet one-way delay: 46.378 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 45.26 Mbit/s
95th percentile per-packet one-way delay: 46.517 ms
Loss rate: 3.26%
-- Flow 2:
Average throughput: 25.62 Mbit/s
95th percentile per-packet one-way delay: 47.445 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 70.98 Mbit/s
95th percentile per-packet one-way delay: 8.474 ms
Loss rate: 0.00%

Run 10: Report of Indigo-1-32 — Data Link

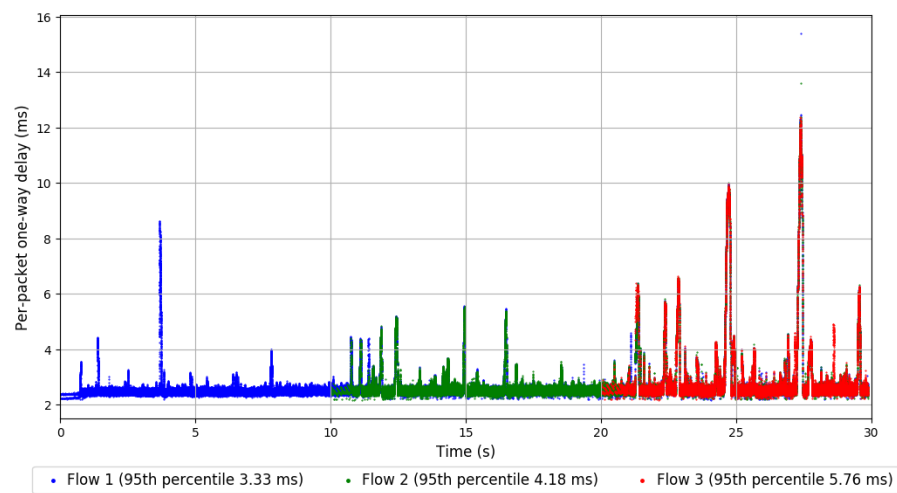
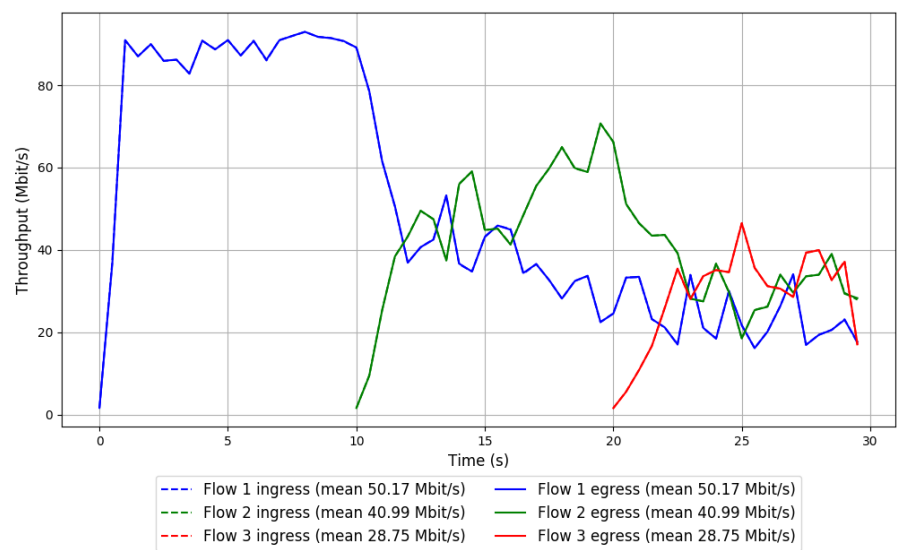


Run 1: Statistics of Vivace-latency

Start at: 2018-02-16 14:12:47
End at: 2018-02-16 14:13:17
Local clock offset: -4.248 ms
Remote clock offset: -5.606 ms

Below is generated by plot.py at 2018-02-16 18:15:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 3.948 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.17 Mbit/s
95th percentile per-packet one-way delay: 3.334 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.99 Mbit/s
95th percentile per-packet one-way delay: 4.177 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.75 Mbit/s
95th percentile per-packet one-way delay: 5.762 ms
Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link

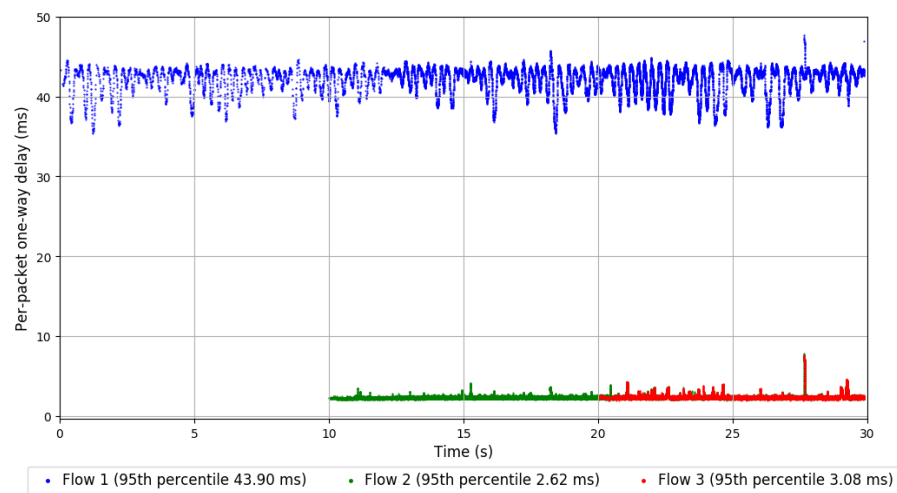
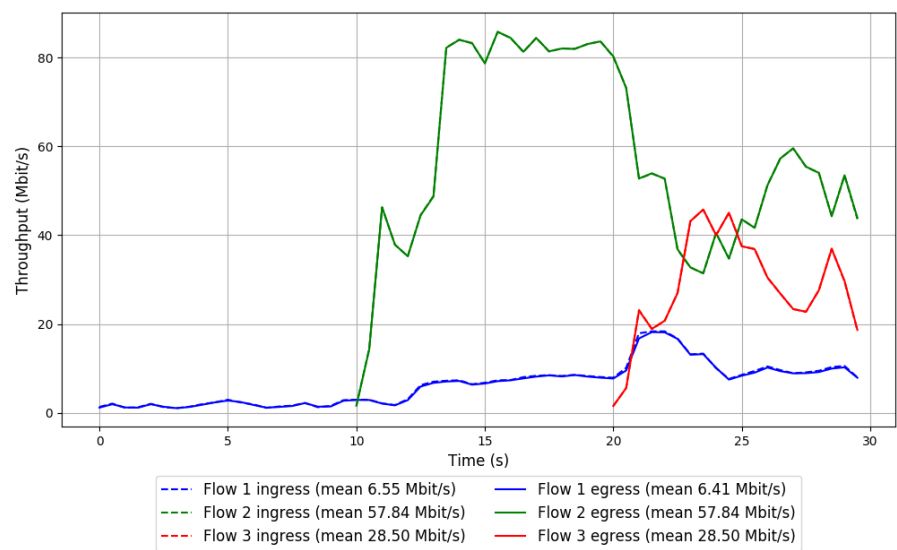


Run 2: Statistics of Vivace-latency

Start at: 2018-02-16 14:33:20
End at: 2018-02-16 14:33:50
Local clock offset: -8.218 ms
Remote clock offset: -5.644 ms

Below is generated by plot.py at 2018-02-16 18:15:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.32 Mbit/s
95th percentile per-packet one-way delay: 42.917 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 6.41 Mbit/s
95th percentile per-packet one-way delay: 43.900 ms
Loss rate: 2.28%
-- Flow 2:
Average throughput: 57.84 Mbit/s
95th percentile per-packet one-way delay: 2.615 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.50 Mbit/s
95th percentile per-packet one-way delay: 3.078 ms
Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link

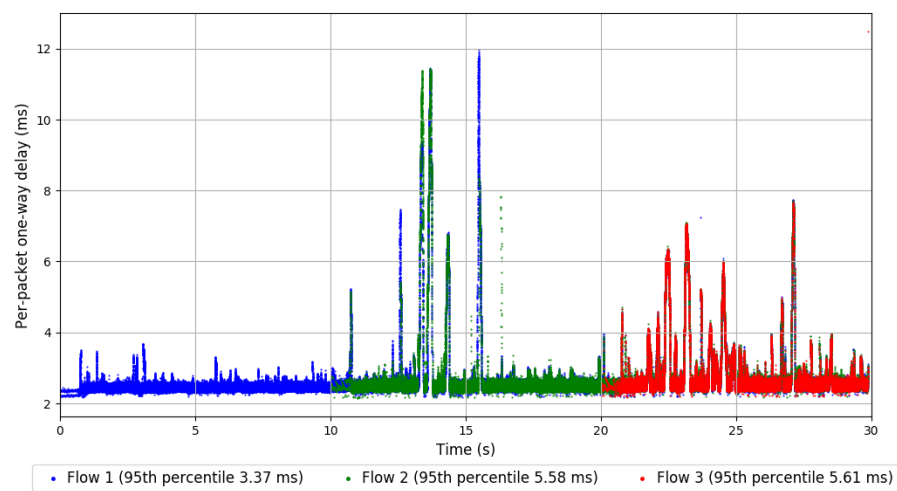
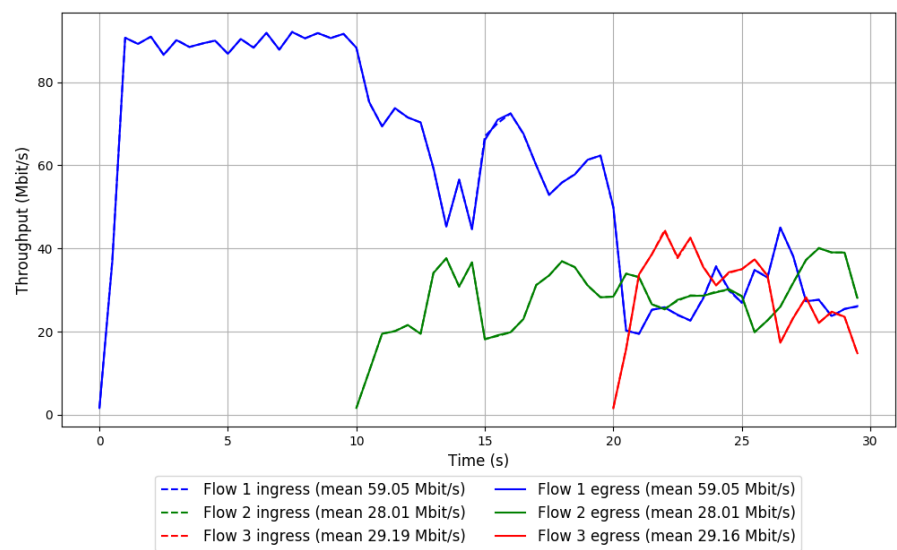


Run 3: Statistics of Vivace-latency

Start at: 2018-02-16 14:53:51
End at: 2018-02-16 14:54:21
Local clock offset: -8.189 ms
Remote clock offset: -4.174 ms

Below is generated by plot.py at 2018-02-16 18:16:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.26 Mbit/s
95th percentile per-packet one-way delay: 4.177 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.05 Mbit/s
95th percentile per-packet one-way delay: 3.373 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.01 Mbit/s
95th percentile per-packet one-way delay: 5.584 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.16 Mbit/s
95th percentile per-packet one-way delay: 5.609 ms
Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-02-16 15:14:22

End at: 2018-02-16 15:14:52

Local clock offset: -7.005 ms

Remote clock offset: -4.07 ms

Below is generated by plot.py at 2018-02-16 18:16:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.57 Mbit/s

95th percentile per-packet one-way delay: 3.419 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 48.70 Mbit/s

95th percentile per-packet one-way delay: 3.025 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.60 Mbit/s

95th percentile per-packet one-way delay: 3.632 ms

Loss rate: 0.00%

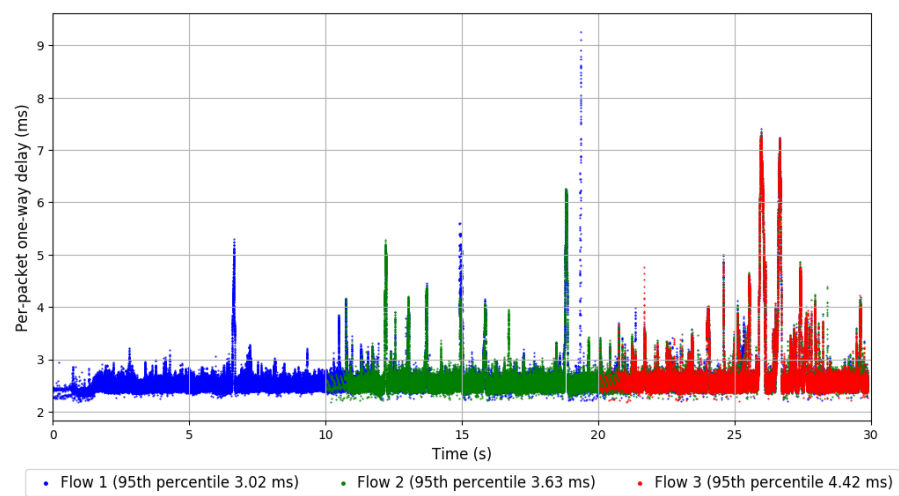
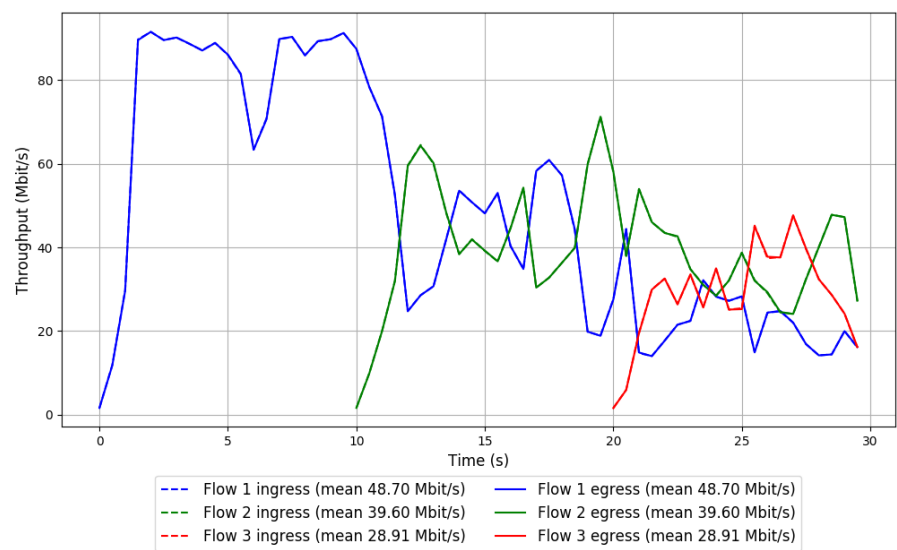
-- Flow 3:

Average throughput: 28.91 Mbit/s

95th percentile per-packet one-way delay: 4.415 ms

Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link

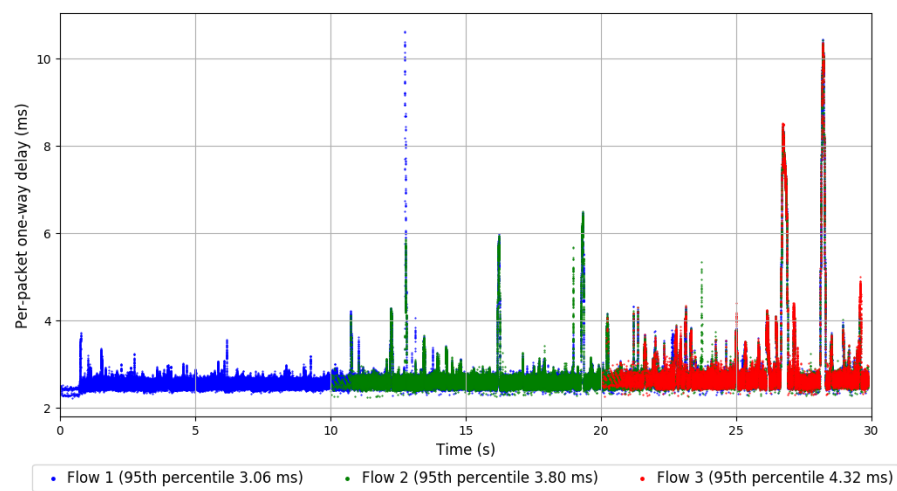
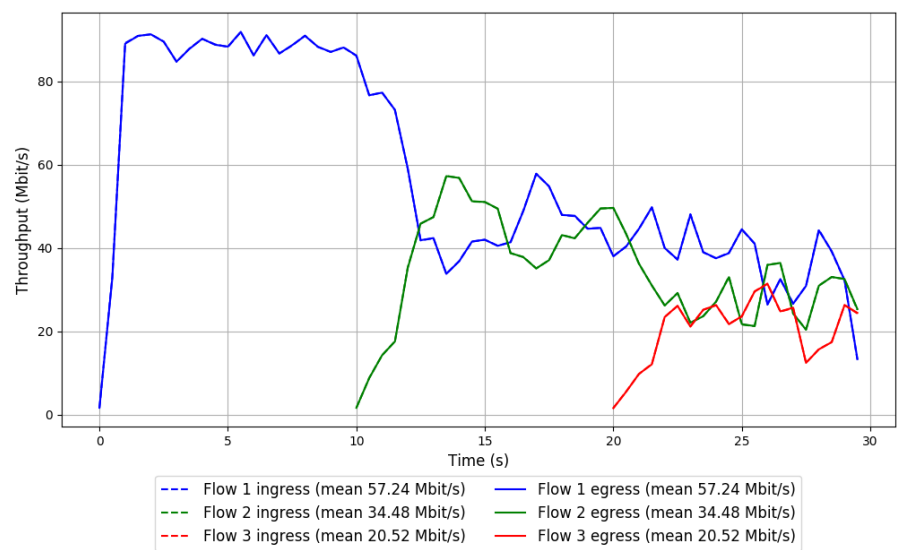


Run 5: Statistics of Vivace-latency

Start at: 2018-02-16 15:34:55
End at: 2018-02-16 15:35:25
Local clock offset: -4.495 ms
Remote clock offset: -4.206 ms

Below is generated by plot.py at 2018-02-16 18:16:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.92 Mbit/s
95th percentile per-packet one-way delay: 3.405 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.24 Mbit/s
95th percentile per-packet one-way delay: 3.061 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.48 Mbit/s
95th percentile per-packet one-way delay: 3.804 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.52 Mbit/s
95th percentile per-packet one-way delay: 4.320 ms
Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link

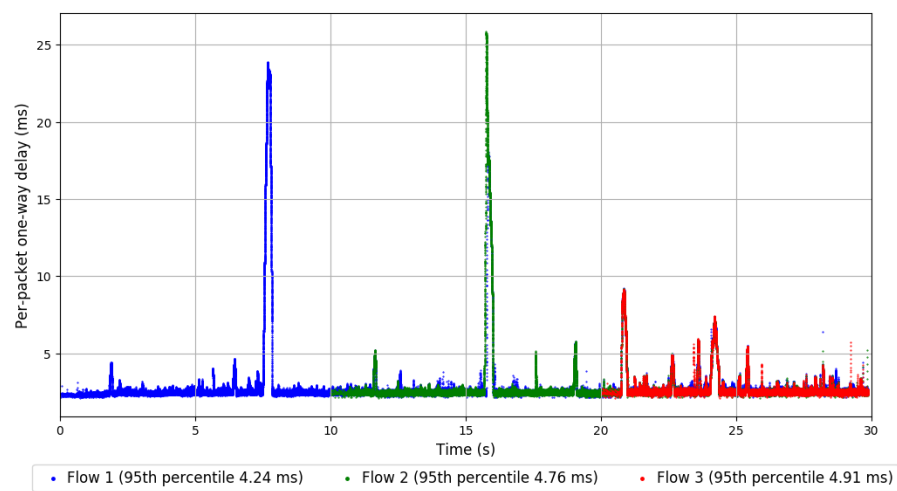
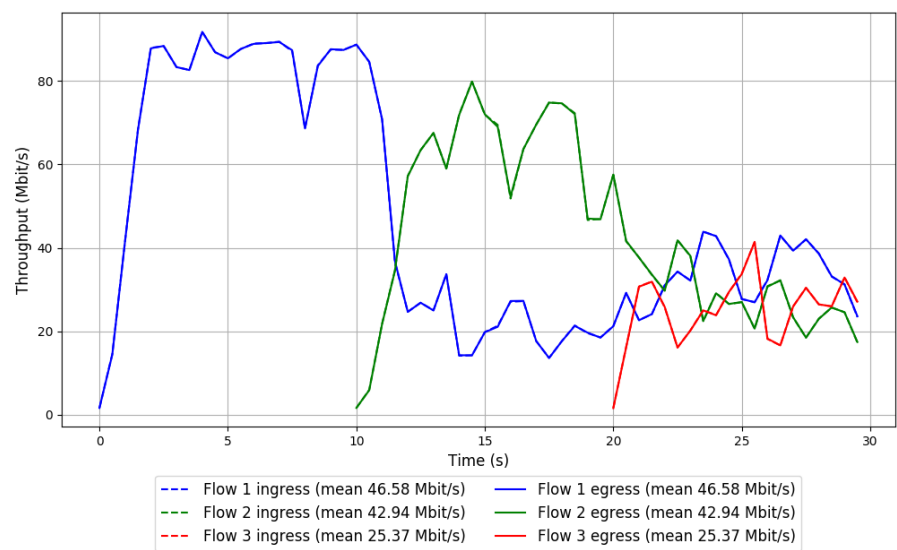


Run 6: Statistics of Vivace-latency

Start at: 2018-02-16 15:55:24
End at: 2018-02-16 15:55:54
Local clock offset: -2.995 ms
Remote clock offset: -4.118 ms

Below is generated by plot.py at 2018-02-16 18:16:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.50 Mbit/s
95th percentile per-packet one-way delay: 4.510 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.58 Mbit/s
95th percentile per-packet one-way delay: 4.239 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.94 Mbit/s
95th percentile per-packet one-way delay: 4.761 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.37 Mbit/s
95th percentile per-packet one-way delay: 4.905 ms
Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link

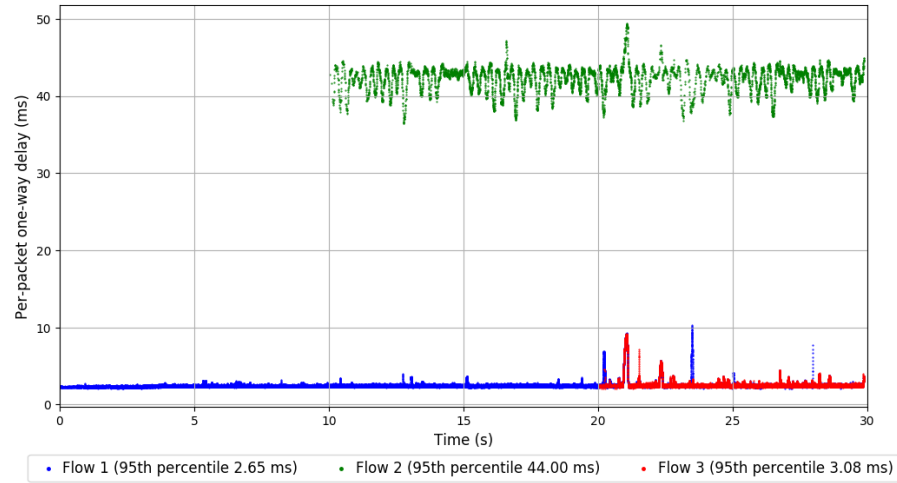
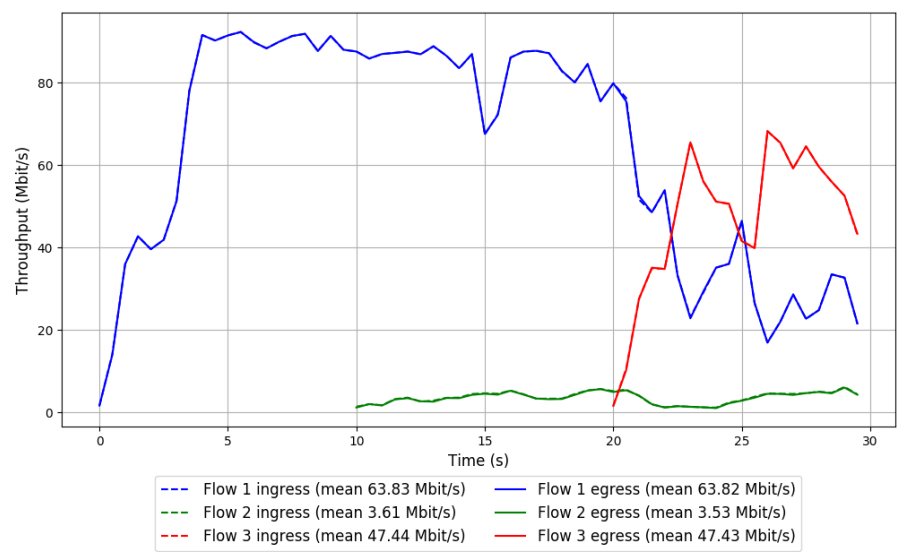


Run 7: Statistics of Vivace-latency

Start at: 2018-02-16 16:15:55
End at: 2018-02-16 16:16:25
Local clock offset: -6.199 ms
Remote clock offset: -3.935 ms

Below is generated by plot.py at 2018-02-16 18:16:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.80 Mbit/s
95th percentile per-packet one-way delay: 3.508 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 63.82 Mbit/s
95th percentile per-packet one-way delay: 2.645 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.53 Mbit/s
95th percentile per-packet one-way delay: 43.998 ms
Loss rate: 2.63%
-- Flow 3:
Average throughput: 47.43 Mbit/s
95th percentile per-packet one-way delay: 3.080 ms
Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link

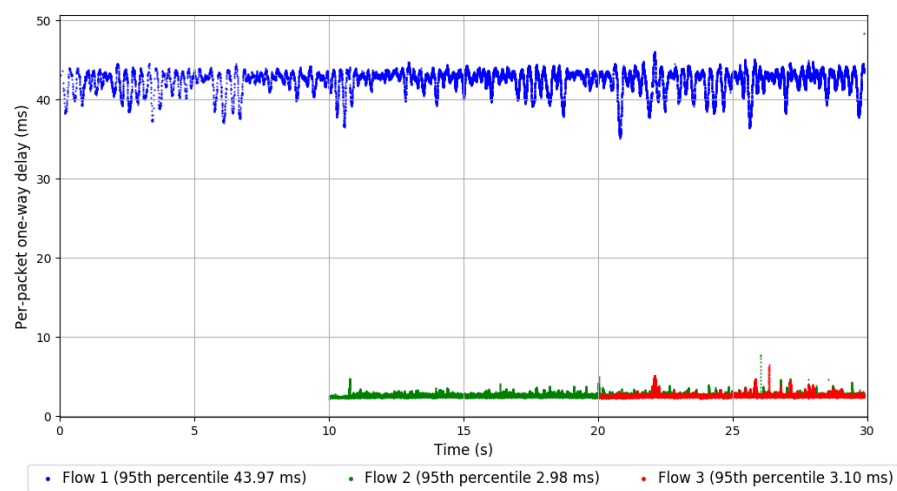
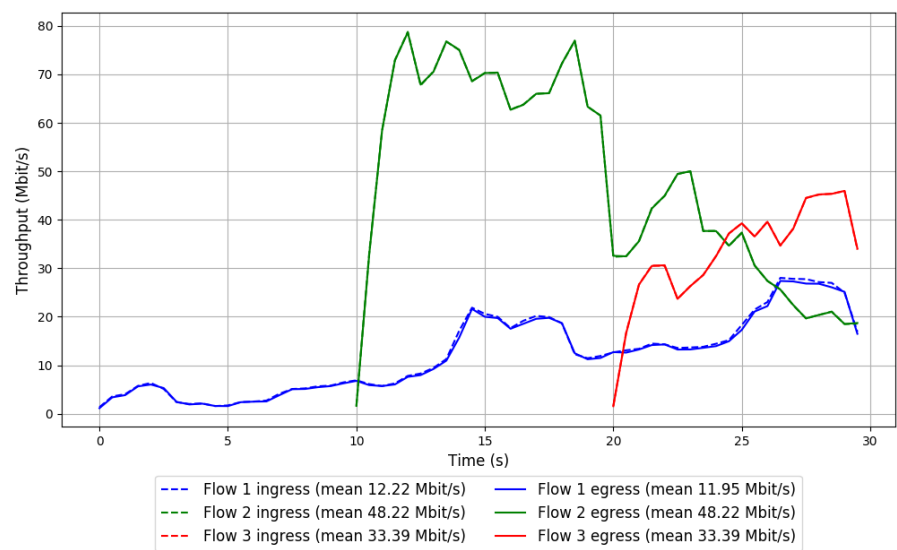


Run 8: Statistics of Vivace-latency

Start at: 2018-02-16 16:36:26
End at: 2018-02-16 16:36:56
Local clock offset: -6.306 ms
Remote clock offset: -4.434 ms

Below is generated by plot.py at 2018-02-16 18:16:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.08 Mbit/s
95th percentile per-packet one-way delay: 43.409 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 43.965 ms
Loss rate: 2.27%
-- Flow 2:
Average throughput: 48.22 Mbit/s
95th percentile per-packet one-way delay: 2.975 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.39 Mbit/s
95th percentile per-packet one-way delay: 3.095 ms
Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link

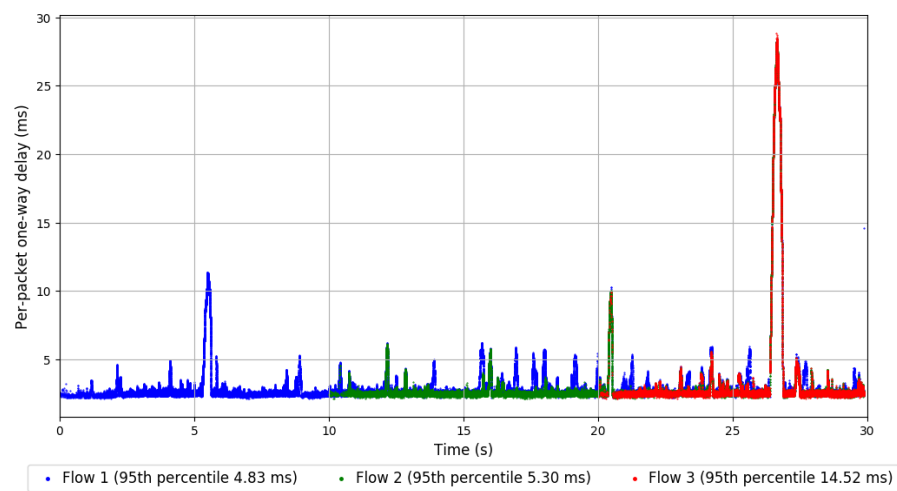
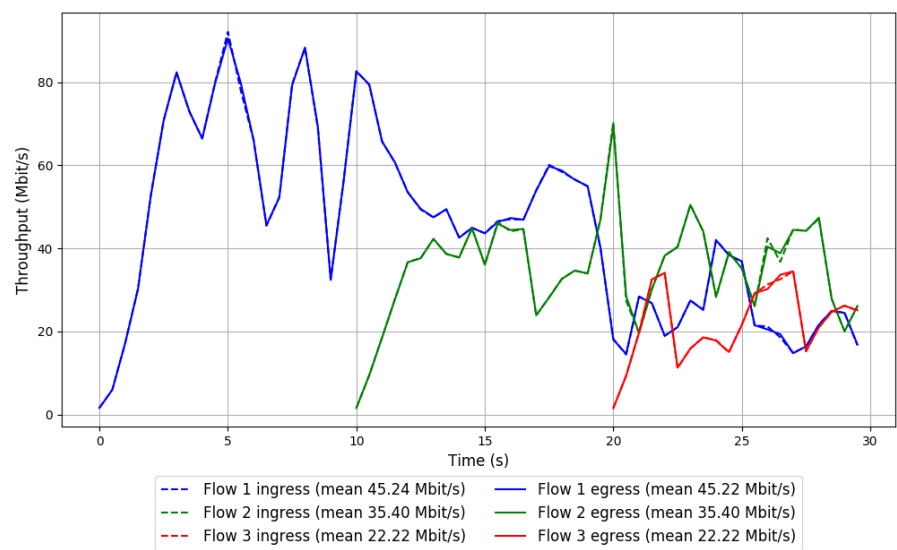


Run 9: Statistics of Vivace-latency

Start at: 2018-02-16 16:56:57
End at: 2018-02-16 16:57:27
Local clock offset: -5.846 ms
Remote clock offset: -4.778 ms

Below is generated by plot.py at 2018-02-16 18:16:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.07 Mbit/s
95th percentile per-packet one-way delay: 5.036 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.22 Mbit/s
95th percentile per-packet one-way delay: 4.828 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.40 Mbit/s
95th percentile per-packet one-way delay: 5.301 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.22 Mbit/s
95th percentile per-packet one-way delay: 14.521 ms
Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link

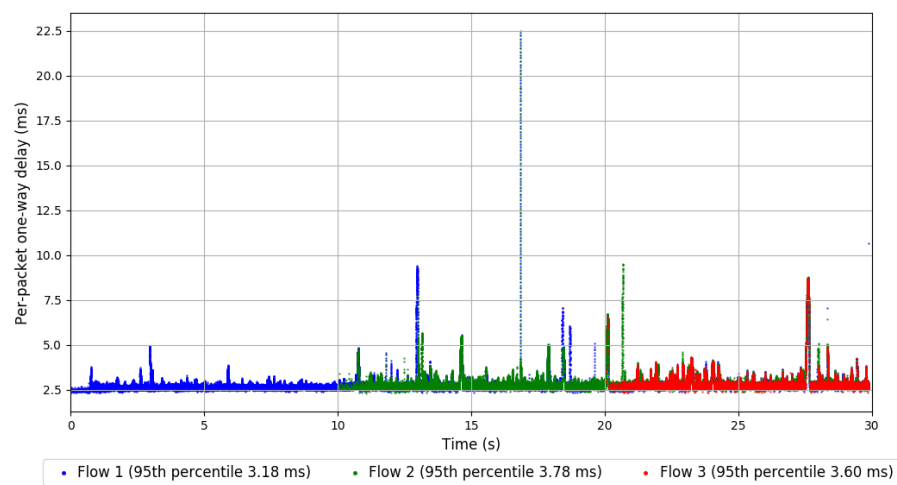
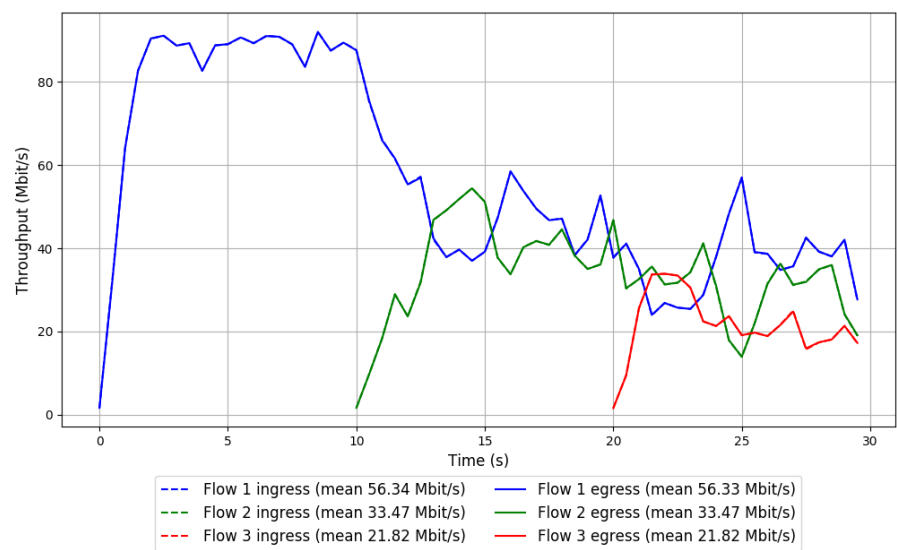


Run 10: Statistics of Vivace-latency

Start at: 2018-02-16 17:17:28
End at: 2018-02-16 17:17:58
Local clock offset: -2.853 ms
Remote clock offset: -5.071 ms

Below is generated by plot.py at 2018-02-16 18:16:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.77 Mbit/s
95th percentile per-packet one-way delay: 3.435 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.33 Mbit/s
95th percentile per-packet one-way delay: 3.184 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.47 Mbit/s
95th percentile per-packet one-way delay: 3.781 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.82 Mbit/s
95th percentile per-packet one-way delay: 3.605 ms
Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

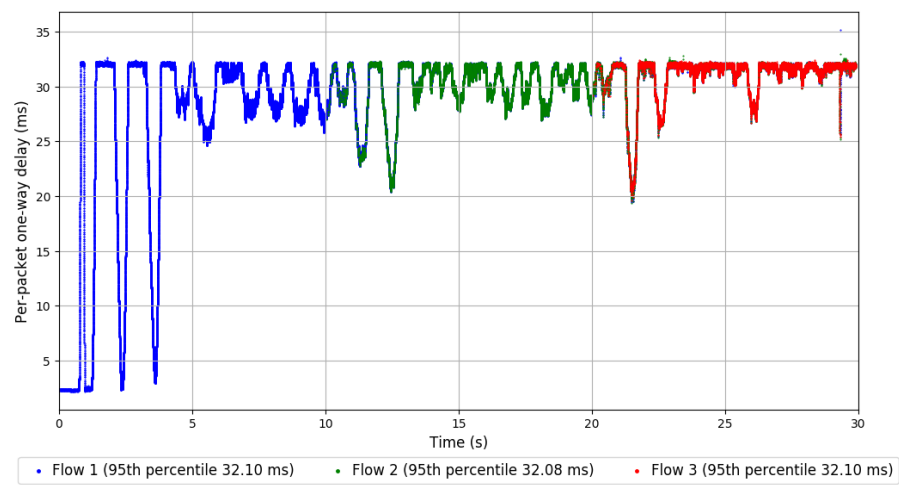
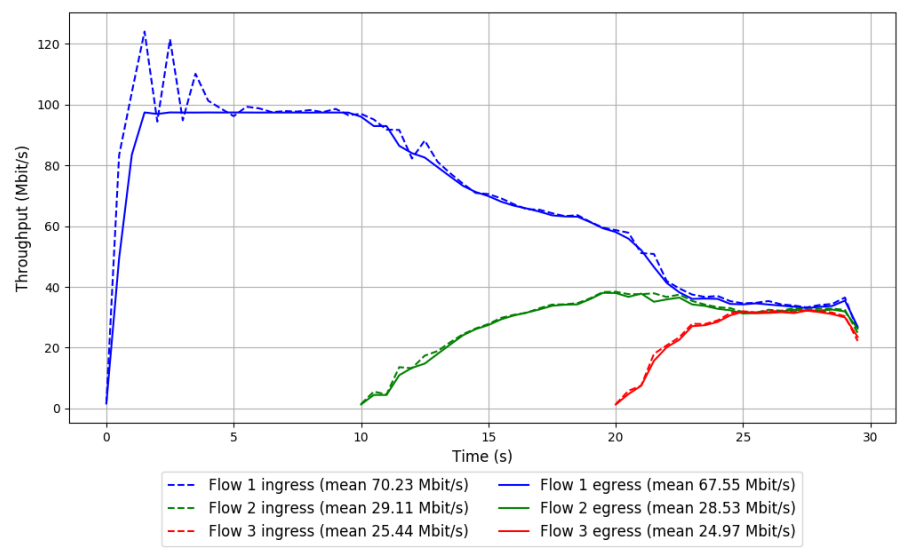


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-16 14:02:25
End at: 2018-02-16 14:02:55
Local clock offset: -4.654 ms
Remote clock offset: -5.567 ms

# Below is generated by plot.py at 2018-02-16 18:17:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 32.096 ms
Loss rate: 3.22%
-- Flow 1:
Average throughput: 67.55 Mbit/s
95th percentile per-packet one-way delay: 32.099 ms
Loss rate: 3.72%
-- Flow 2:
Average throughput: 28.53 Mbit/s
95th percentile per-packet one-way delay: 32.082 ms
Loss rate: 1.97%
-- Flow 3:
Average throughput: 24.97 Mbit/s
95th percentile per-packet one-way delay: 32.097 ms
Loss rate: 1.84%
```

Run 1: Report of Vivace-loss — Data Link

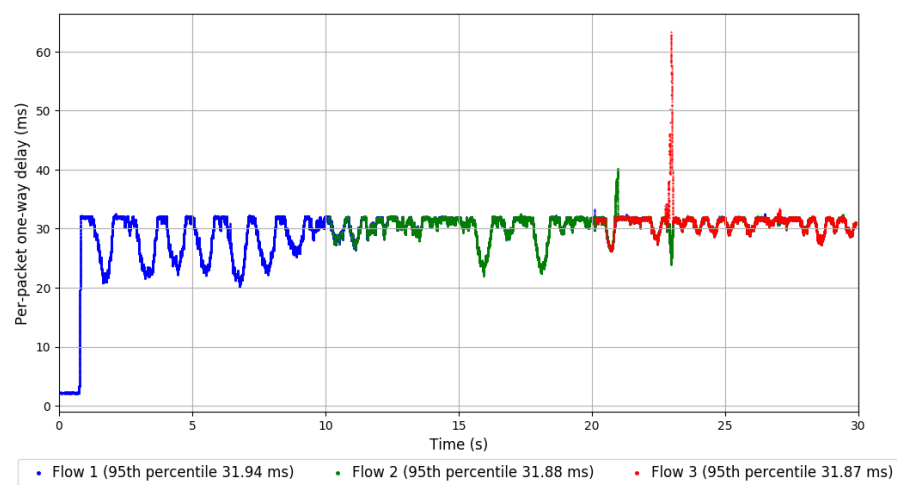
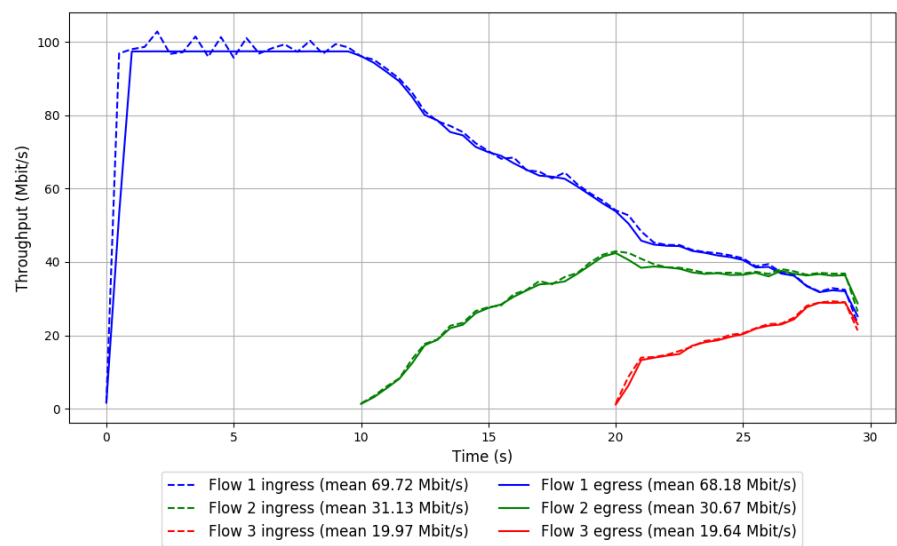


Run 2: Statistics of Vivace-loss

Start at: 2018-02-16 14:22:58
End at: 2018-02-16 14:23:28
Local clock offset: -6.791 ms
Remote clock offset: -5.696 ms

Below is generated by plot.py at 2018-02-16 18:17:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 31.924 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 68.18 Mbit/s
95th percentile per-packet one-way delay: 31.936 ms
Loss rate: 2.11%
-- Flow 2:
Average throughput: 30.67 Mbit/s
95th percentile per-packet one-way delay: 31.878 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 19.64 Mbit/s
95th percentile per-packet one-way delay: 31.870 ms
Loss rate: 1.63%

Run 2: Report of Vivace-loss — Data Link

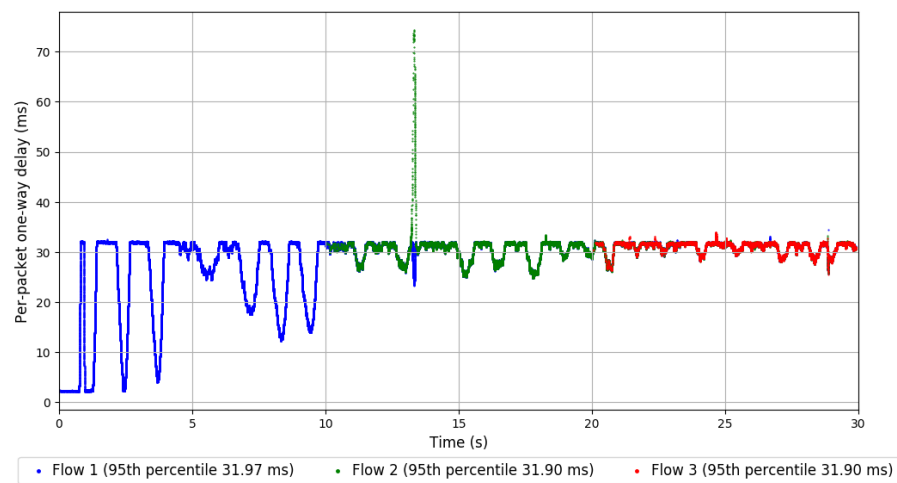
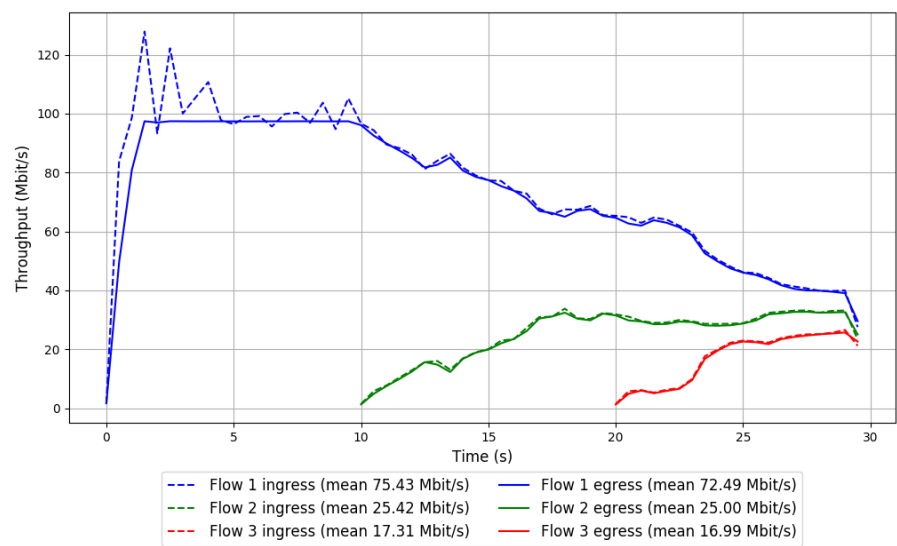


Run 3: Statistics of Vivace-loss

Start at: 2018-02-16 14:43:29
End at: 2018-02-16 14:43:59
Local clock offset: -8.805 ms
Remote clock offset: -4.588 ms

Below is generated by plot.py at 2018-02-16 18:17:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 31.957 ms
Loss rate: 3.33%
-- Flow 1:
Average throughput: 72.49 Mbit/s
95th percentile per-packet one-way delay: 31.967 ms
Loss rate: 3.81%
-- Flow 2:
Average throughput: 25.00 Mbit/s
95th percentile per-packet one-way delay: 31.900 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 16.99 Mbit/s
95th percentile per-packet one-way delay: 31.897 ms
Loss rate: 1.85%

Run 3: Report of Vivace-loss — Data Link

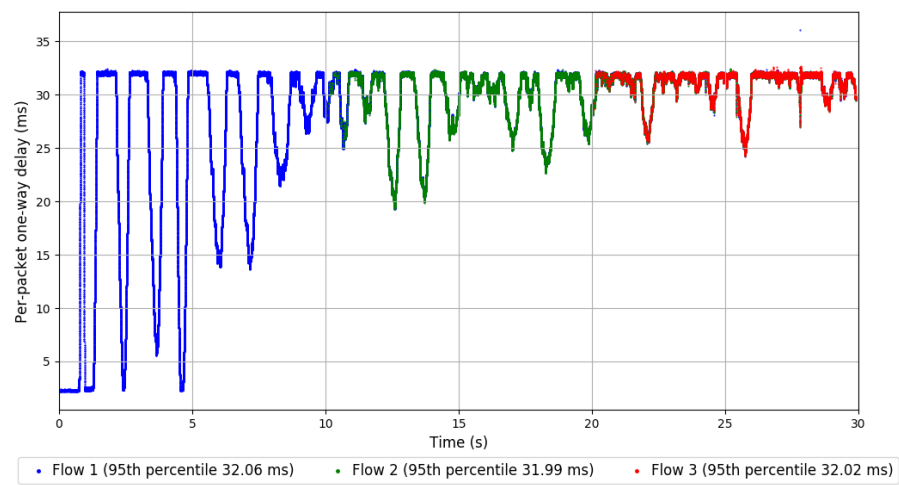
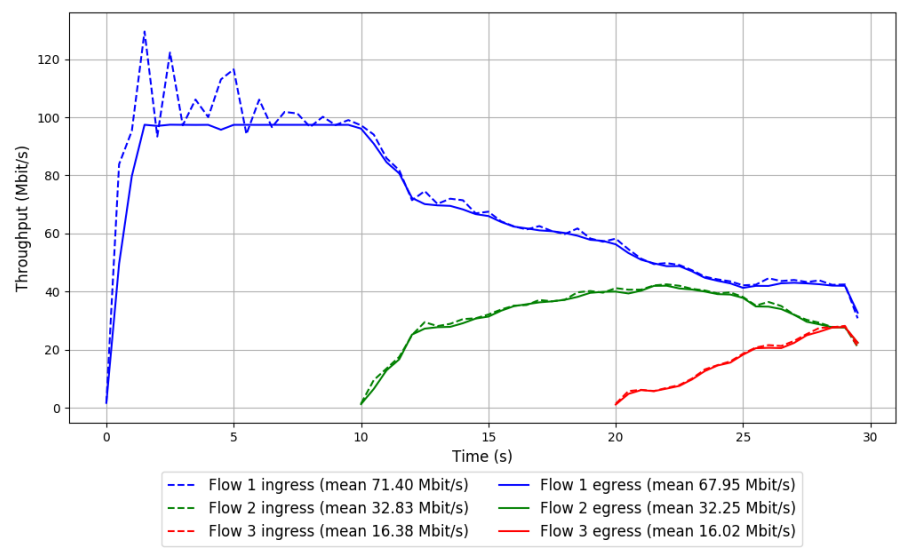


Run 4: Statistics of Vivace-loss

Start at: 2018-02-16 15:04:01
End at: 2018-02-16 15:04:31
Local clock offset: -7.34 ms
Remote clock offset: -3.978 ms

Below is generated by plot.py at 2018-02-16 18:17:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.65 Mbit/s
95th percentile per-packet one-way delay: 32.048 ms
Loss rate: 3.95%
-- Flow 1:
Average throughput: 67.95 Mbit/s
95th percentile per-packet one-way delay: 32.059 ms
Loss rate: 4.75%
-- Flow 2:
Average throughput: 32.25 Mbit/s
95th percentile per-packet one-way delay: 31.994 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 16.02 Mbit/s
95th percentile per-packet one-way delay: 32.022 ms
Loss rate: 2.22%

Run 4: Report of Vivace-loss — Data Link

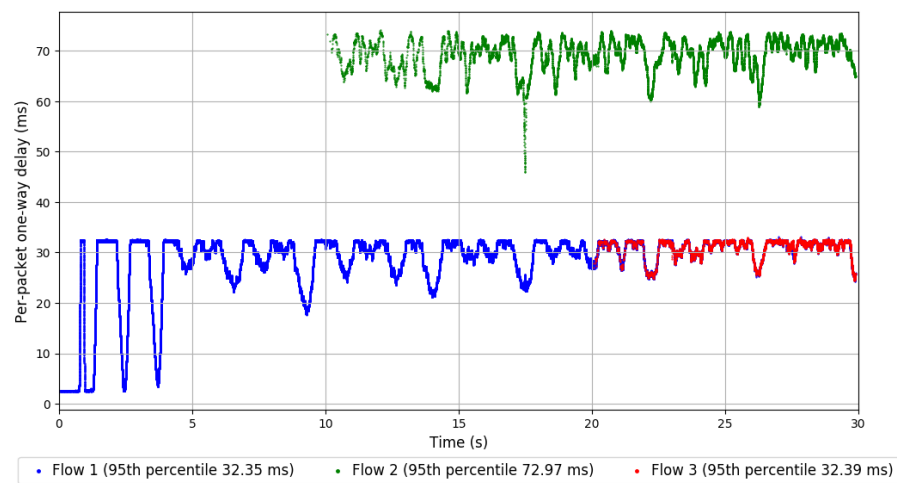
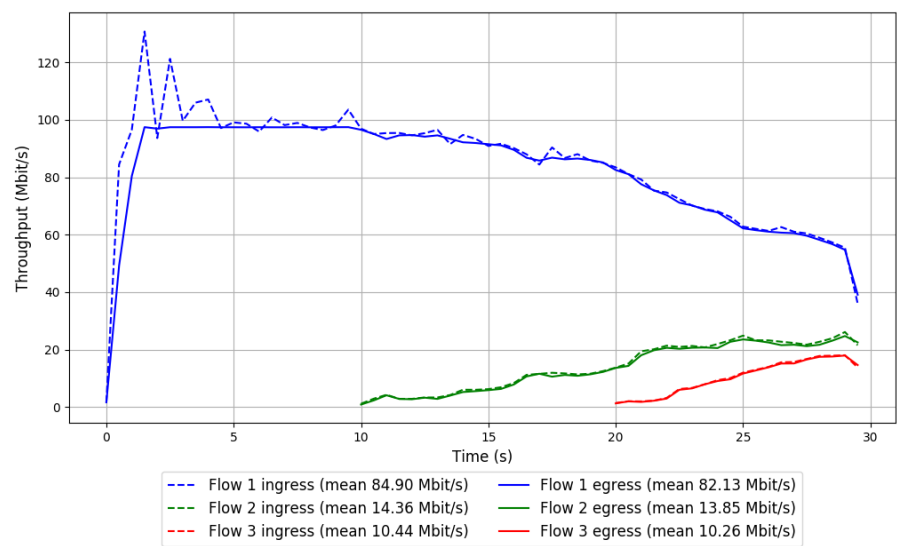


Run 5: Statistics of Vivace-loss

Start at: 2018-02-16 15:24:33
End at: 2018-02-16 15:25:03
Local clock offset: -6.521 ms
Remote clock offset: -4.245 ms

Below is generated by plot.py at 2018-02-16 18:18:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.68 Mbit/s
95th percentile per-packet one-way delay: 70.099 ms
Loss rate: 3.20%
-- Flow 1:
Average throughput: 82.13 Mbit/s
95th percentile per-packet one-way delay: 32.347 ms
Loss rate: 3.19%
-- Flow 2:
Average throughput: 13.85 Mbit/s
95th percentile per-packet one-way delay: 72.974 ms
Loss rate: 3.77%
-- Flow 3:
Average throughput: 10.26 Mbit/s
95th percentile per-packet one-way delay: 32.386 ms
Loss rate: 1.69%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-16 15:45:06

End at: 2018-02-16 15:45:36

Local clock offset: -3.648 ms

Remote clock offset: -4.15 ms

Below is generated by plot.py at 2018-02-16 18:18:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.60 Mbit/s

95th percentile per-packet one-way delay: 61.983 ms

Loss rate: 3.53%

-- Flow 1:

Average throughput: 67.99 Mbit/s

95th percentile per-packet one-way delay: 63.455 ms

Loss rate: 3.41%

-- Flow 2:

Average throughput: 27.01 Mbit/s

95th percentile per-packet one-way delay: 32.288 ms

Loss rate: 3.96%

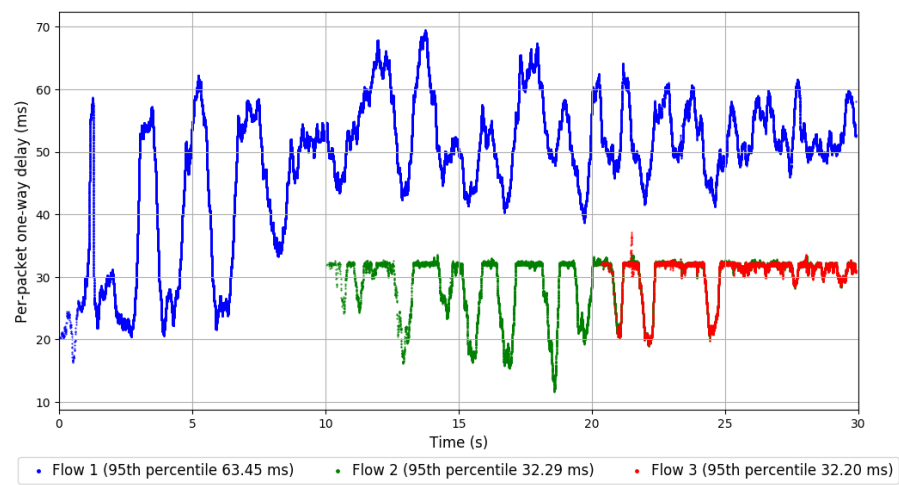
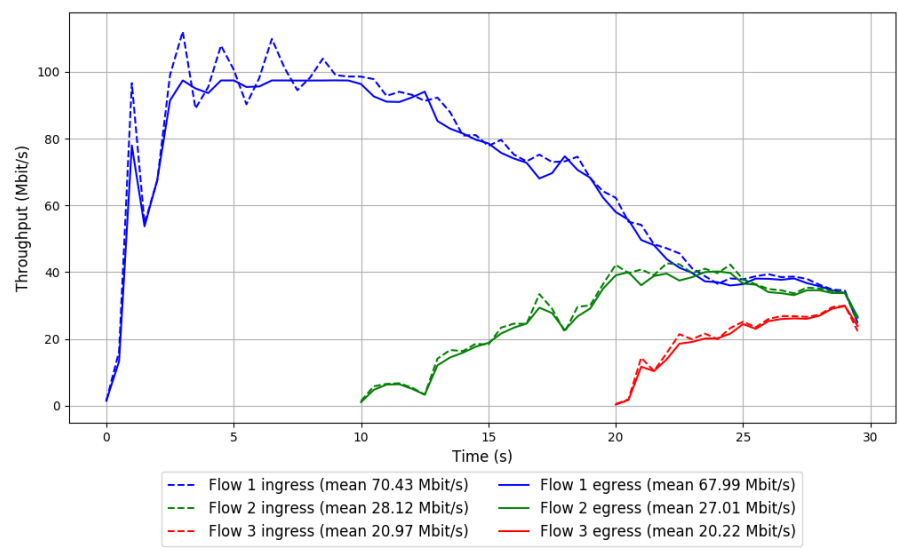
-- Flow 3:

Average throughput: 20.22 Mbit/s

95th percentile per-packet one-way delay: 32.204 ms

Loss rate: 3.58%

Run 6: Report of Vivace-loss — Data Link

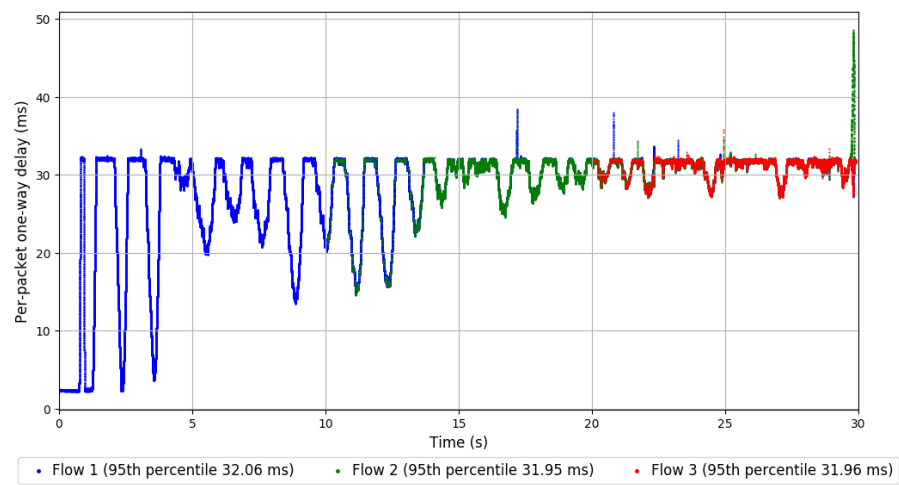
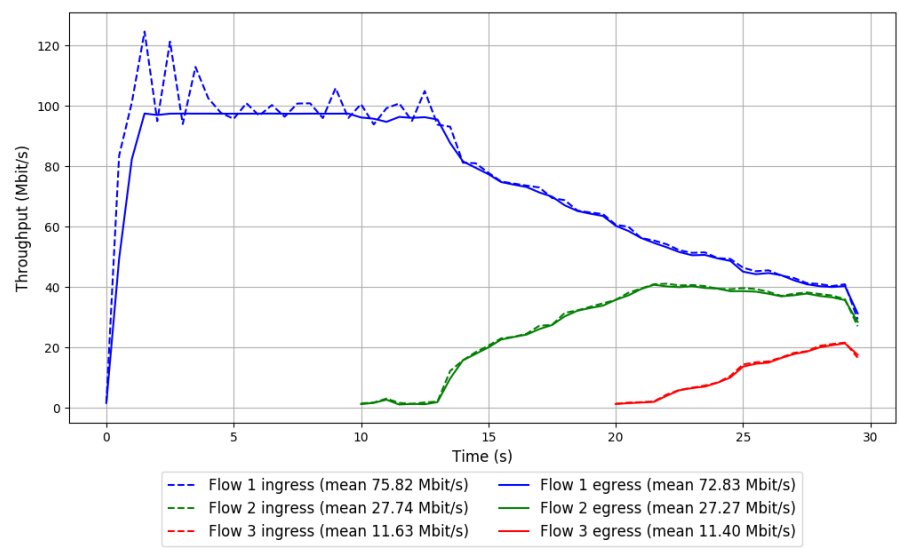


Run 7: Statistics of Vivace-loss

Start at: 2018-02-16 16:05:35
End at: 2018-02-16 16:06:05
Local clock offset: -5.193 ms
Remote clock offset: -3.961 ms

Below is generated by plot.py at 2018-02-16 18:18:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.70 Mbit/s
95th percentile per-packet one-way delay: 32.044 ms
Loss rate: 3.36%
-- Flow 1:
Average throughput: 72.83 Mbit/s
95th percentile per-packet one-way delay: 32.056 ms
Loss rate: 3.85%
-- Flow 2:
Average throughput: 27.27 Mbit/s
95th percentile per-packet one-way delay: 31.955 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 31.964 ms
Loss rate: 1.98%

Run 7: Report of Vivace-loss — Data Link

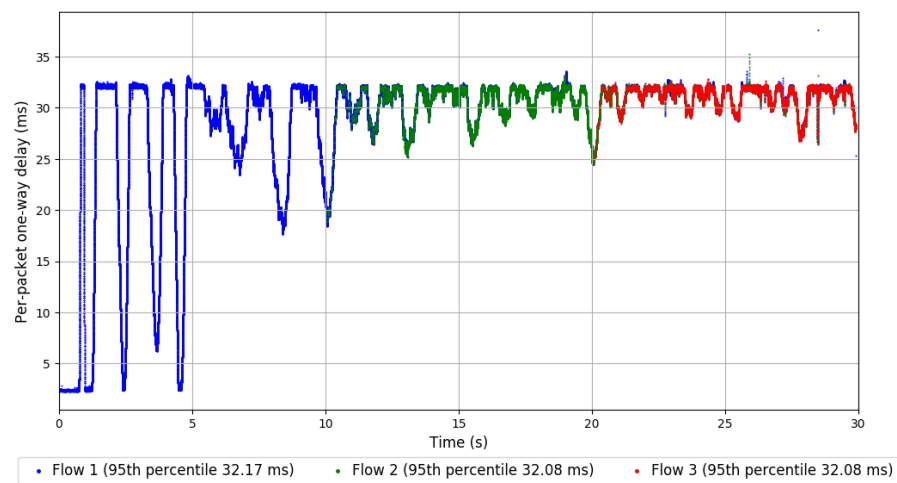
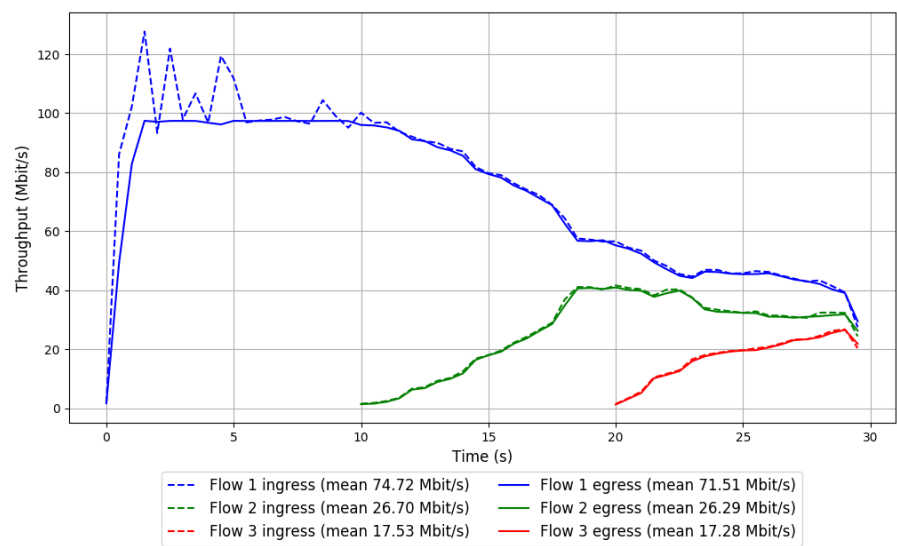


Run 8: Statistics of Vivace-loss

Start at: 2018-02-16 16:26:06
End at: 2018-02-16 16:26:36
Local clock offset: -6.56 ms
Remote clock offset: -4.312 ms

Below is generated by plot.py at 2018-02-16 18:18:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 32.152 ms
Loss rate: 3.57%
-- Flow 1:
Average throughput: 71.51 Mbit/s
95th percentile per-packet one-way delay: 32.167 ms
Loss rate: 4.23%
-- Flow 2:
Average throughput: 26.29 Mbit/s
95th percentile per-packet one-way delay: 32.084 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 17.28 Mbit/s
95th percentile per-packet one-way delay: 32.084 ms
Loss rate: 1.39%

Run 8: Report of Vivace-loss — Data Link

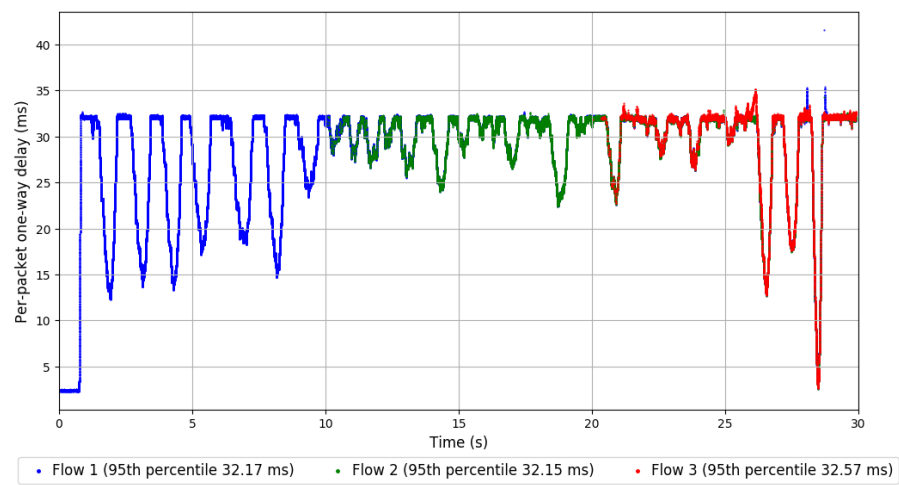
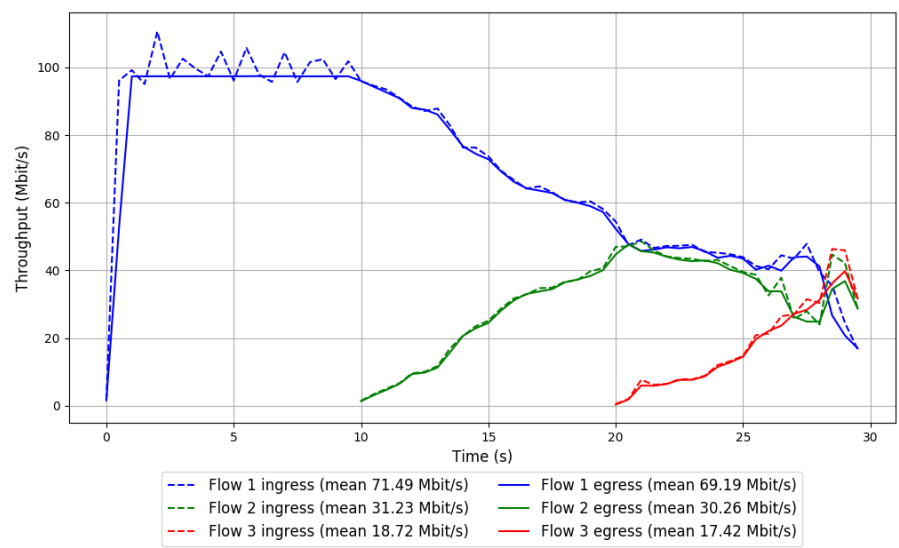


Run 9: Statistics of Vivace-loss

Start at: 2018-02-16 16:46:35
End at: 2018-02-16 16:47:05
Local clock offset: -6.022 ms
Remote clock offset: -4.483 ms

Below is generated by plot.py at 2018-02-16 18:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 32.182 ms
Loss rate: 3.35%
-- Flow 1:
Average throughput: 69.19 Mbit/s
95th percentile per-packet one-way delay: 32.174 ms
Loss rate: 3.12%
-- Flow 2:
Average throughput: 30.26 Mbit/s
95th percentile per-packet one-way delay: 32.152 ms
Loss rate: 3.09%
-- Flow 3:
Average throughput: 17.42 Mbit/s
95th percentile per-packet one-way delay: 32.566 ms
Loss rate: 6.93%

Run 9: Report of Vivace-loss — Data Link

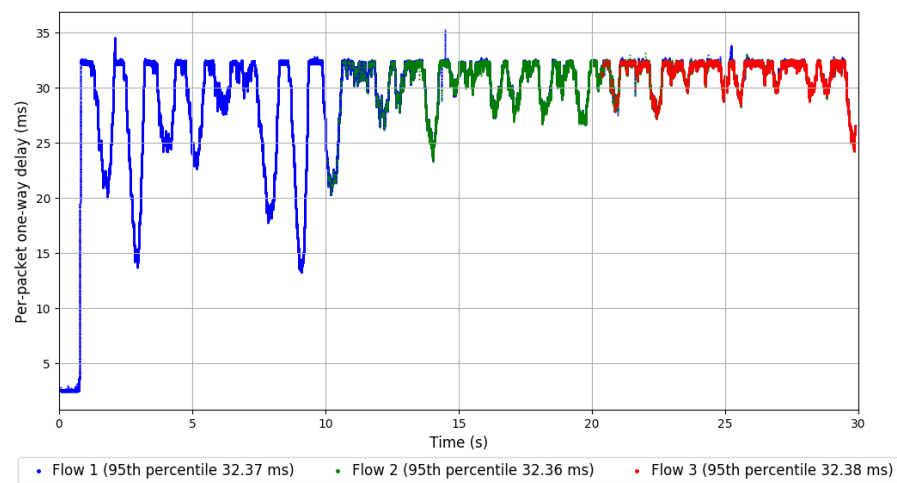
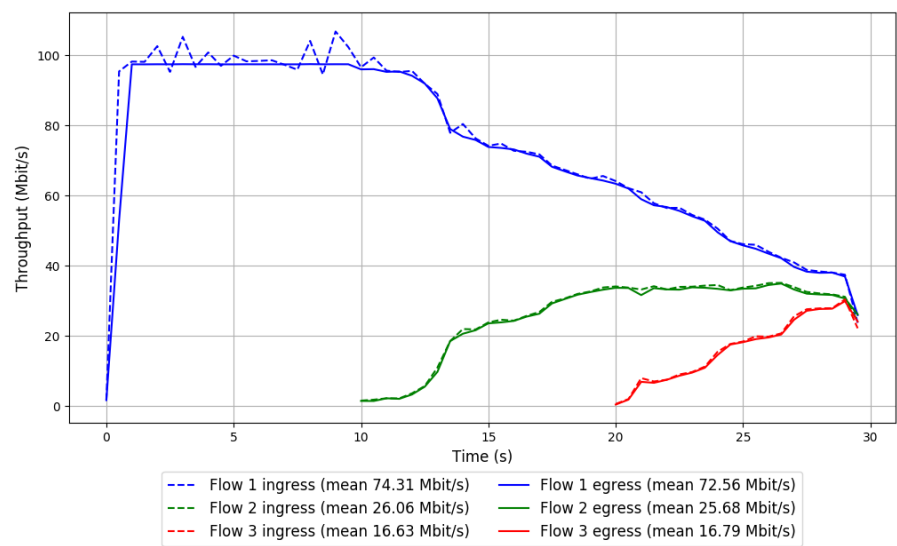


Run 10: Statistics of Vivace-loss

Start at: 2018-02-16 17:07:07
End at: 2018-02-16 17:07:37
Local clock offset: -5.251 ms
Remote clock offset: -4.936 ms

Below is generated by plot.py at 2018-02-16 18:19:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 32.371 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 72.56 Mbit/s
95th percentile per-packet one-way delay: 32.372 ms
Loss rate: 2.28%
-- Flow 2:
Average throughput: 25.68 Mbit/s
95th percentile per-packet one-way delay: 32.360 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 16.79 Mbit/s
95th percentile per-packet one-way delay: 32.377 ms
Loss rate: 1.71%

Run 10: Report of Vivace-loss — Data Link

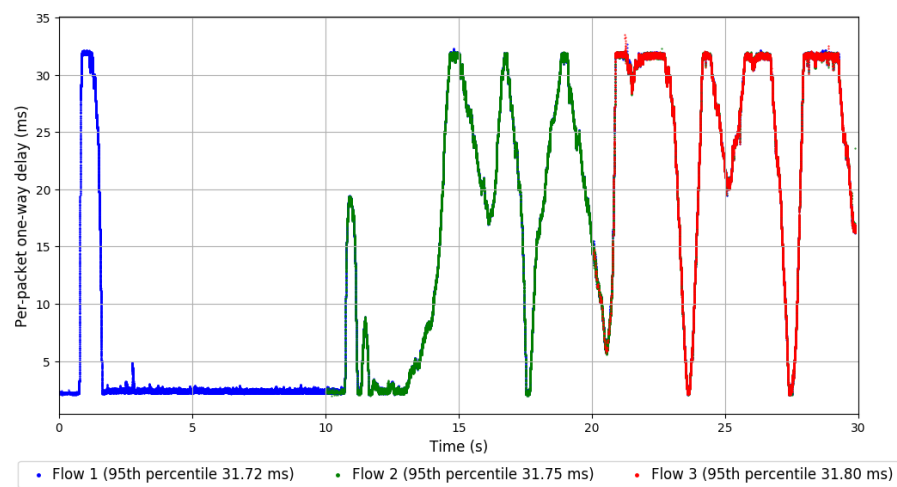
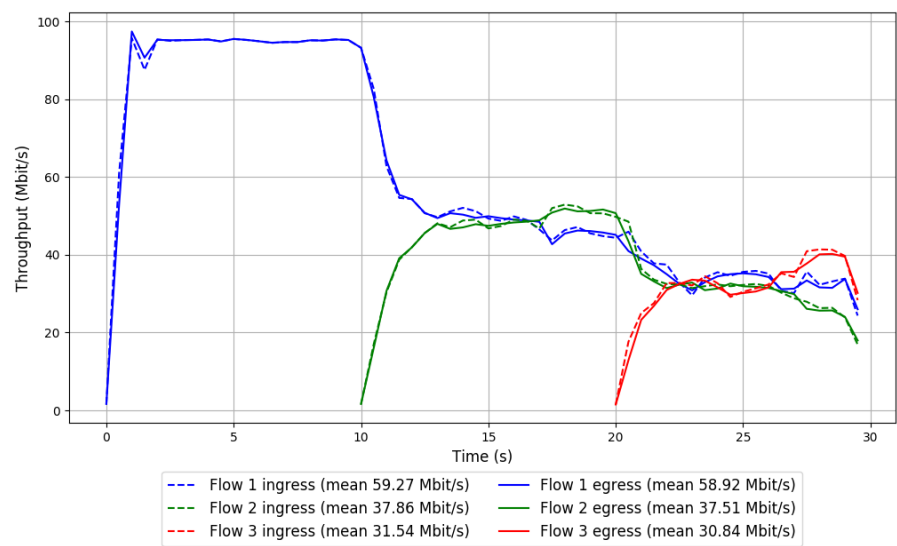


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-16 14:18:26
End at: 2018-02-16 14:18:56
Local clock offset: -5.632 ms
Remote clock offset: -5.661 ms

Below is generated by plot.py at 2018-02-16 18:19:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.02 Mbit/s
95th percentile per-packet one-way delay: 31.748 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 58.92 Mbit/s
95th percentile per-packet one-way delay: 31.719 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 37.51 Mbit/s
95th percentile per-packet one-way delay: 31.747 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 30.84 Mbit/s
95th percentile per-packet one-way delay: 31.802 ms
Loss rate: 2.18%

Run 1: Report of Vivace-LTE — Data Link

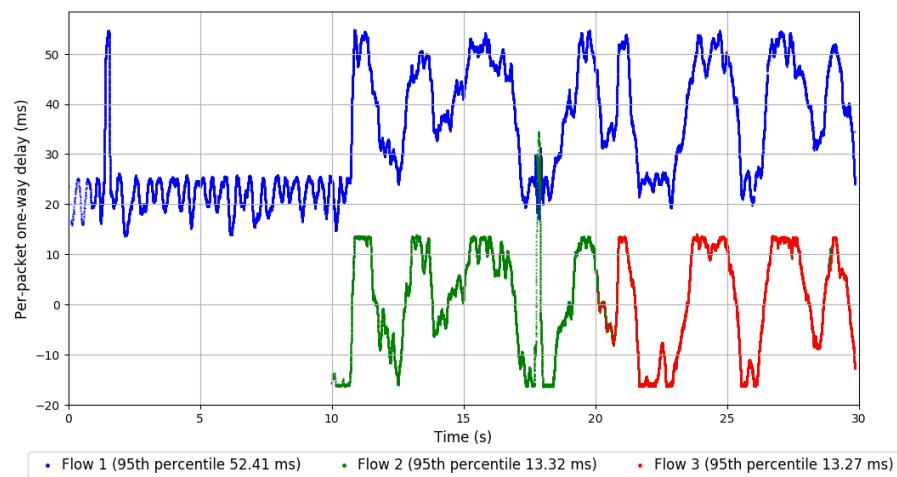
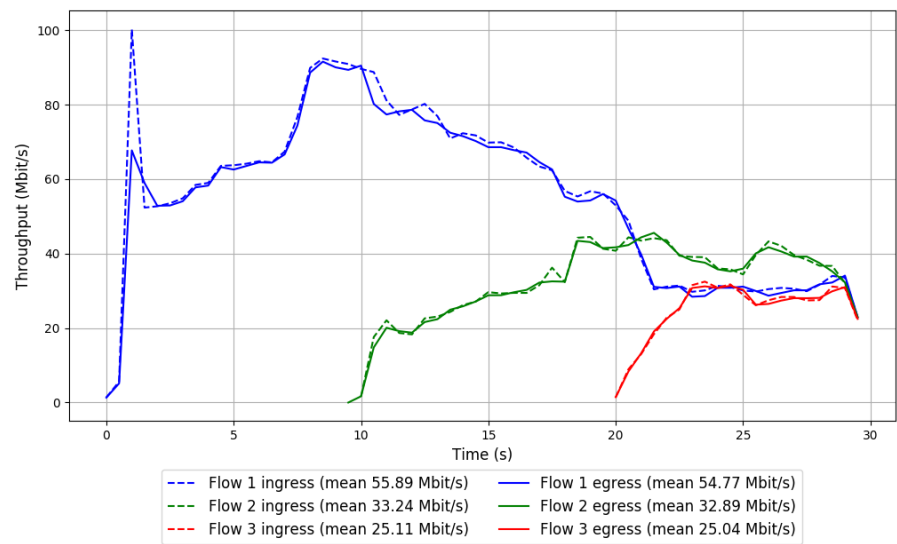


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-16 14:38:58
End at: 2018-02-16 14:39:28
Local clock offset: -8.584 ms
Remote clock offset: -23.418 ms

Below is generated by plot.py at 2018-02-16 18:19:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.91 Mbit/s
95th percentile per-packet one-way delay: 51.476 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 54.77 Mbit/s
95th percentile per-packet one-way delay: 52.409 ms
Loss rate: 2.09%
-- Flow 2:
Average throughput: 32.89 Mbit/s
95th percentile per-packet one-way delay: 13.323 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 25.04 Mbit/s
95th percentile per-packet one-way delay: 13.274 ms
Loss rate: 0.47%

Run 2: Report of Vivace-LTE — Data Link

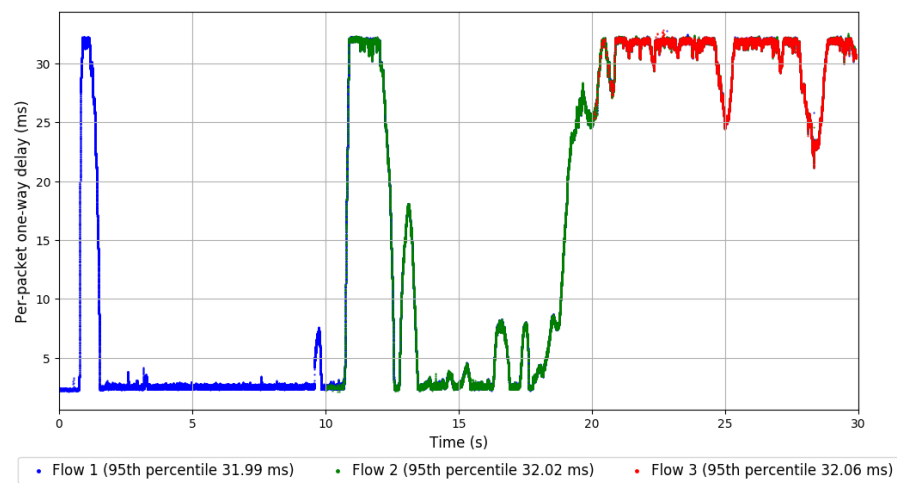
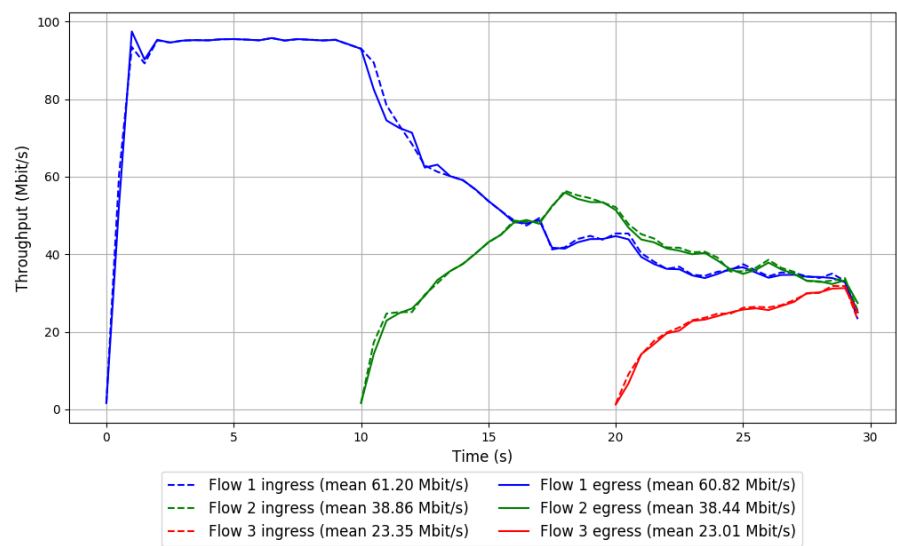


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-16 14:59:30
End at: 2018-02-16 15:00:00
Local clock offset: -7.604 ms
Remote clock offset: -3.986 ms

Below is generated by plot.py at 2018-02-16 18:19:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.98 Mbit/s
95th percentile per-packet one-way delay: 32.011 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 60.82 Mbit/s
95th percentile per-packet one-way delay: 31.987 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 38.44 Mbit/s
95th percentile per-packet one-way delay: 32.023 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 23.01 Mbit/s
95th percentile per-packet one-way delay: 32.059 ms
Loss rate: 1.43%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-02-16 15:20:01

End at: 2018-02-16 15:20:31

Local clock offset: -6.903 ms

Remote clock offset: -4.18 ms

Below is generated by plot.py at 2018-02-16 18:19:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.89 Mbit/s

95th percentile per-packet one-way delay: 32.017 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 59.95 Mbit/s

95th percentile per-packet one-way delay: 31.980 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 40.64 Mbit/s

95th percentile per-packet one-way delay: 32.034 ms

Loss rate: 0.90%

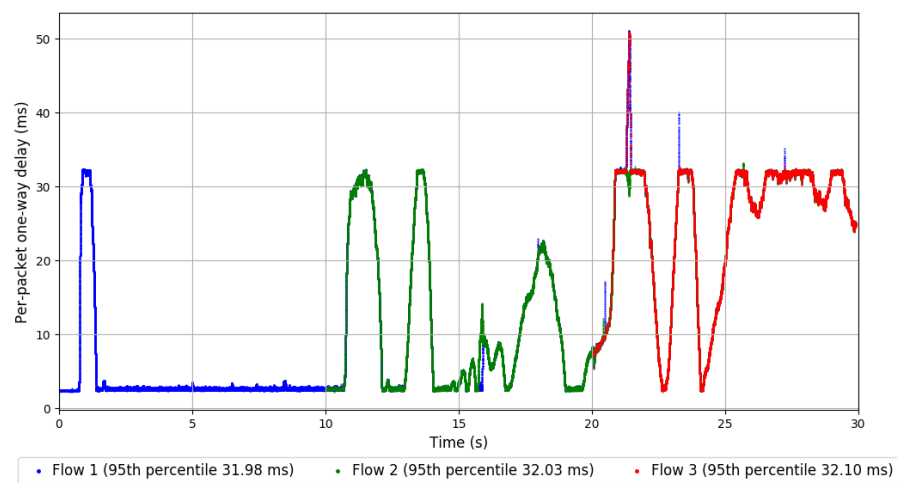
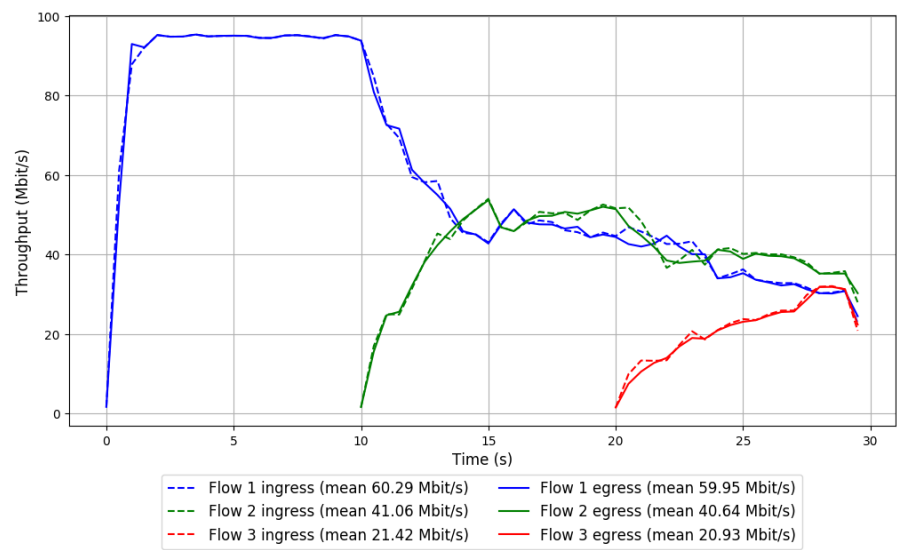
-- Flow 3:

Average throughput: 20.93 Mbit/s

95th percentile per-packet one-way delay: 32.098 ms

Loss rate: 2.16%

Run 4: Report of Vivace-LTE — Data Link

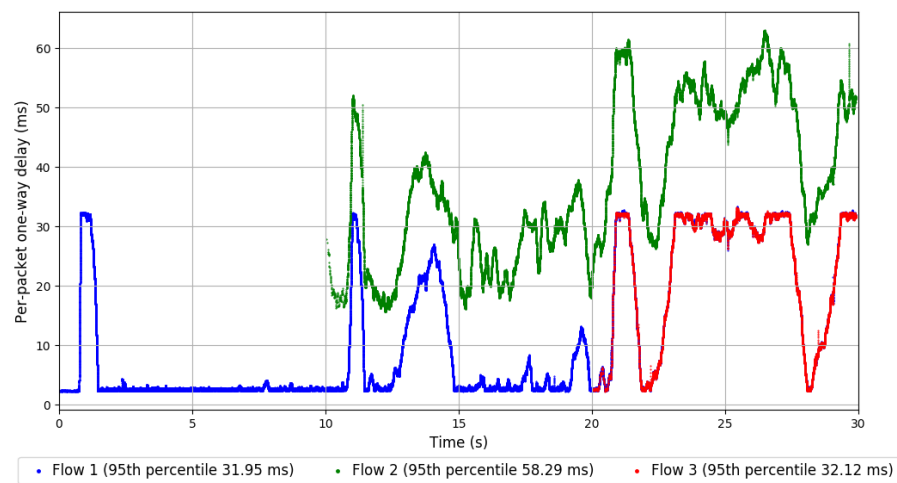
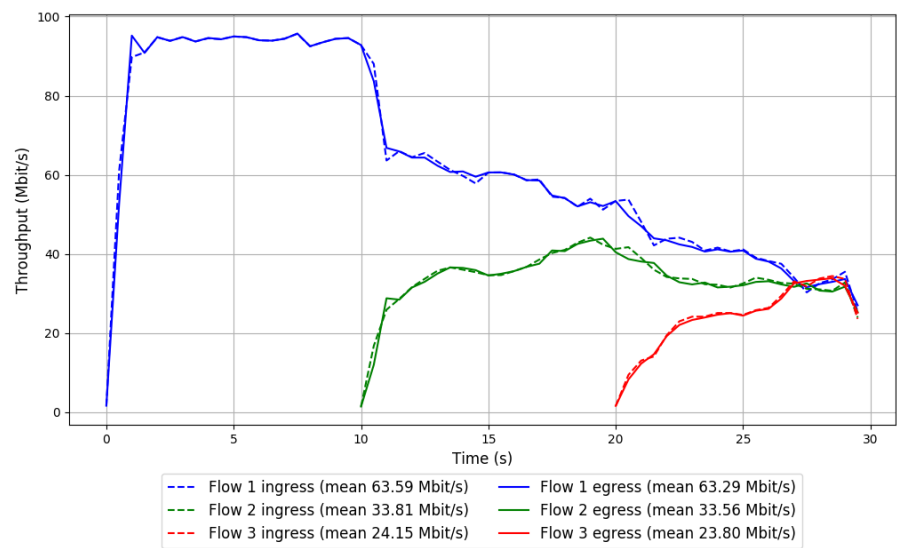


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-16 15:40:34
End at: 2018-02-16 15:41:04
Local clock offset: -3.93 ms
Remote clock offset: -4.184 ms

Below is generated by plot.py at 2018-02-16 18:19:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.45 Mbit/s
95th percentile per-packet one-way delay: 51.381 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 63.29 Mbit/s
95th percentile per-packet one-way delay: 31.946 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 33.56 Mbit/s
95th percentile per-packet one-way delay: 58.286 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 23.80 Mbit/s
95th percentile per-packet one-way delay: 32.115 ms
Loss rate: 1.14%

Run 5: Report of Vivace-LTE — Data Link

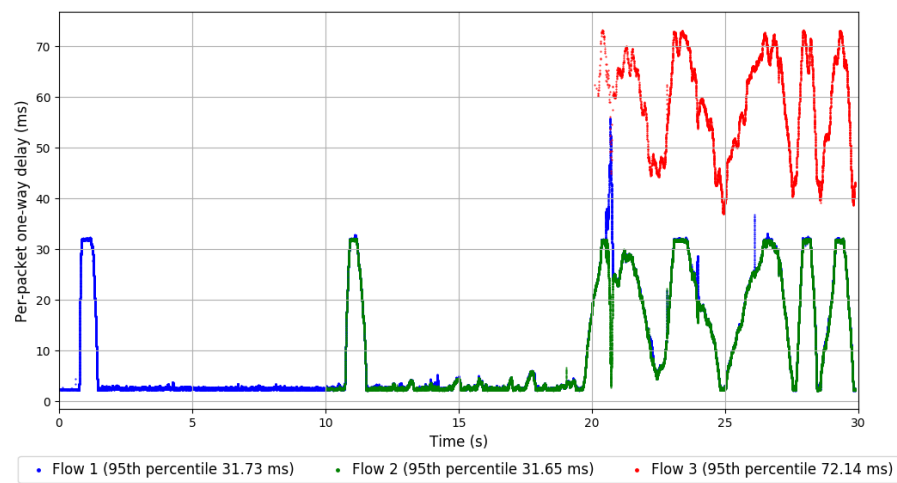
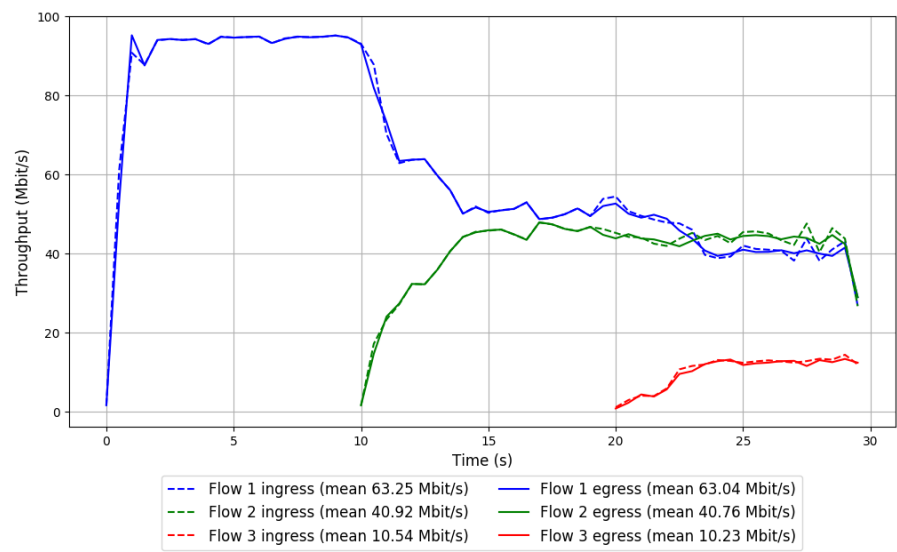


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-16 16:01:03
End at: 2018-02-16 16:01:33
Local clock offset: -4.189 ms
Remote clock offset: -4.006 ms

Below is generated by plot.py at 2018-02-16 18:19:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.50 Mbit/s
95th percentile per-packet one-way delay: 31.962 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 63.04 Mbit/s
95th percentile per-packet one-way delay: 31.730 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 40.76 Mbit/s
95th percentile per-packet one-way delay: 31.652 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 10.23 Mbit/s
95th percentile per-packet one-way delay: 72.141 ms
Loss rate: 3.52%

Run 6: Report of Vivace-LTE — Data Link

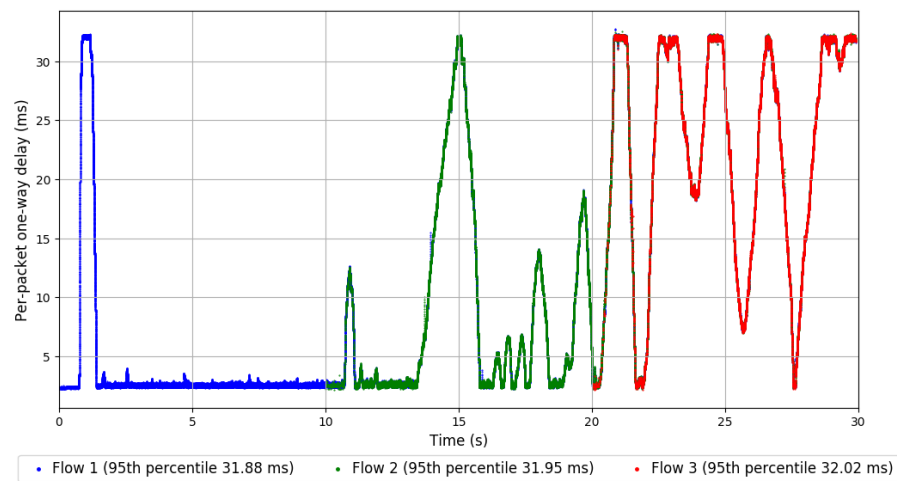
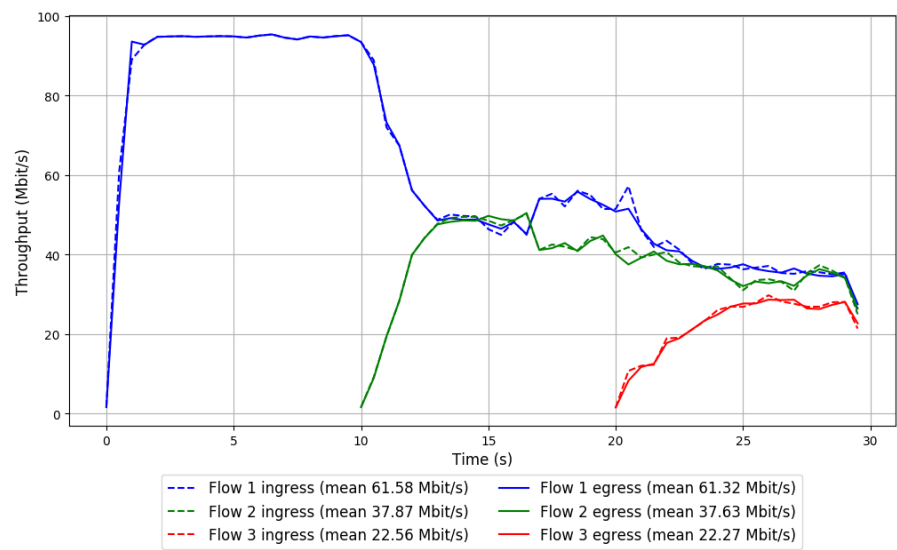


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-16 16:21:34
End at: 2018-02-16 16:22:04
Local clock offset: -6.475 ms
Remote clock offset: -4.208 ms

```
# Below is generated by plot.py at 2018-02-16 18:20:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.70 Mbit/s
95th percentile per-packet one-way delay: 31.933 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 61.32 Mbit/s
95th percentile per-packet one-way delay: 31.879 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 37.63 Mbit/s
95th percentile per-packet one-way delay: 31.945 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 22.27 Mbit/s
95th percentile per-packet one-way delay: 32.025 ms
Loss rate: 1.00%
```

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-02-16 16:42:03

End at: 2018-02-16 16:42:33

Local clock offset: -6.161 ms

Remote clock offset: -4.49 ms

Below is generated by plot.py at 2018-02-16 18:20:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.59 Mbit/s

95th percentile per-packet one-way delay: 32.090 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 63.27 Mbit/s

95th percentile per-packet one-way delay: 31.967 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 43.20 Mbit/s

95th percentile per-packet one-way delay: 32.074 ms

Loss rate: 0.48%

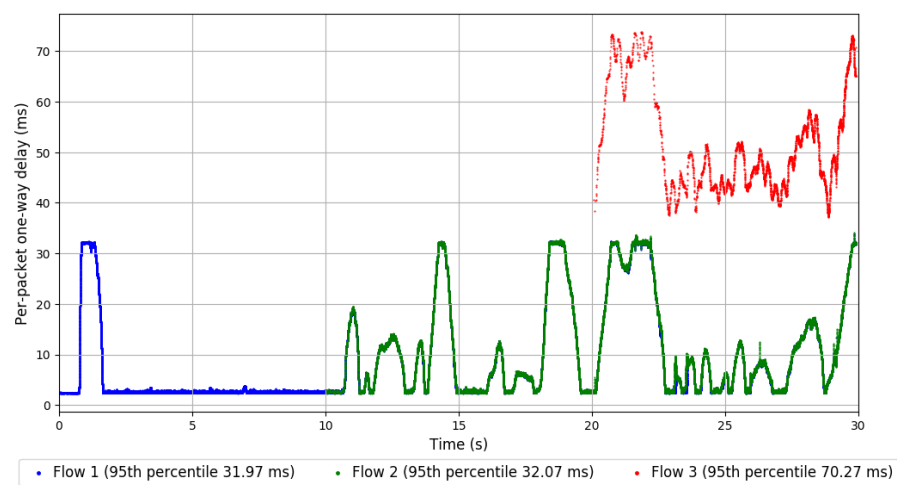
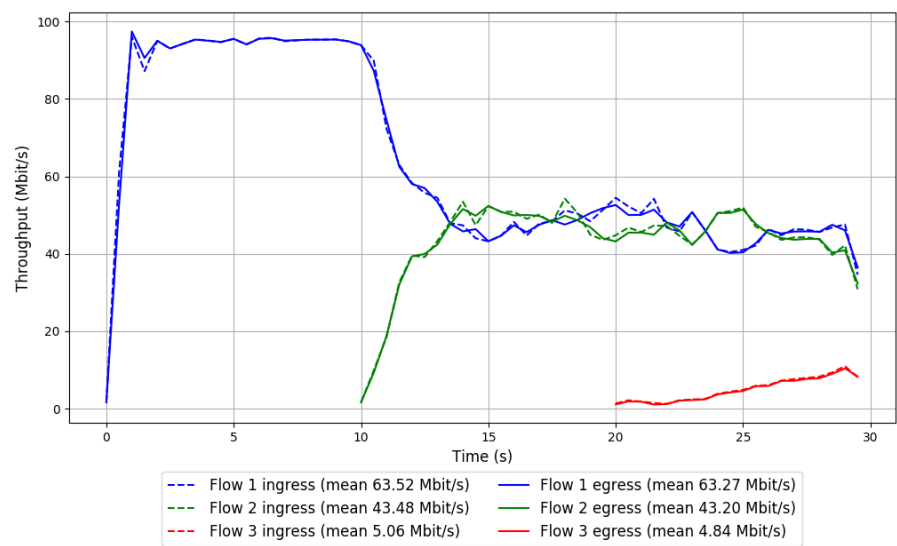
-- Flow 3:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 70.266 ms

Loss rate: 4.29%

Run 8: Report of Vivace-LTE — Data Link

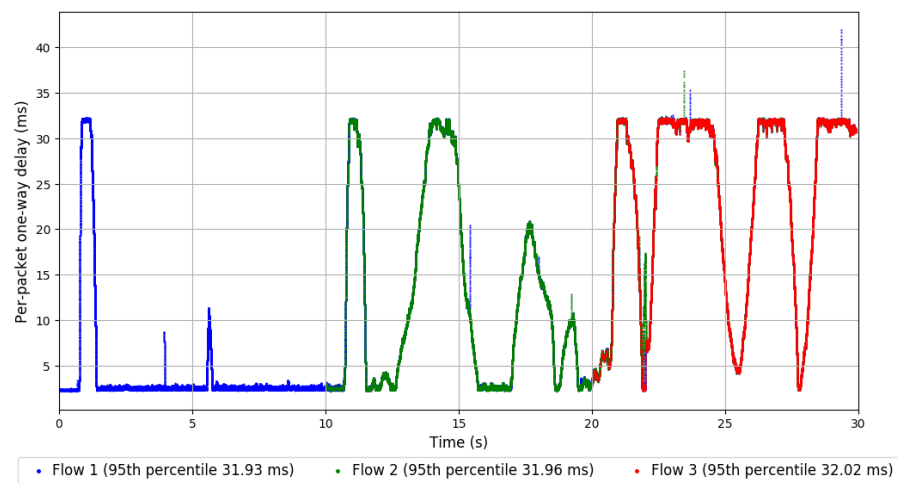
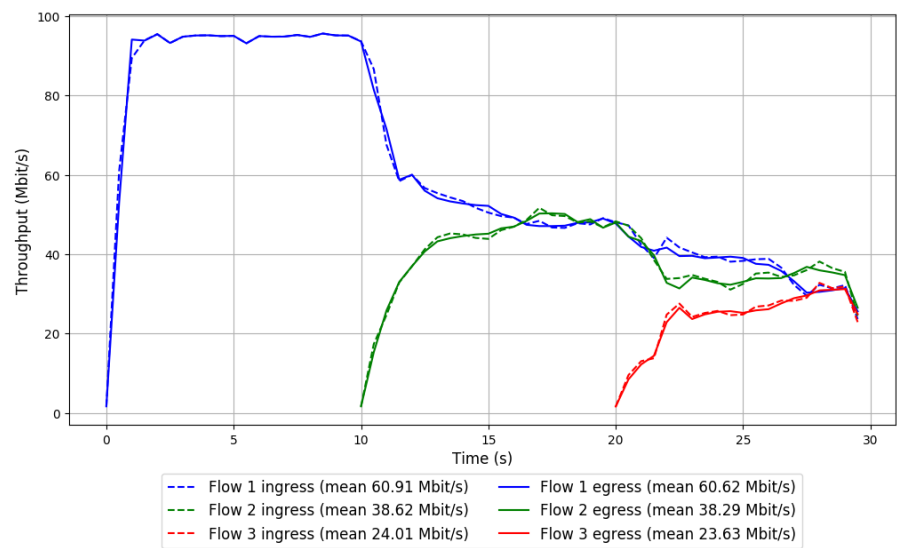


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-16 17:02:35
End at: 2018-02-16 17:03:05
Local clock offset: -5.784 ms
Remote clock offset: -4.904 ms

Below is generated by plot.py at 2018-02-16 18:20:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.91 Mbit/s
95th percentile per-packet one-way delay: 31.952 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 60.62 Mbit/s
95th percentile per-packet one-way delay: 31.926 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 38.29 Mbit/s
95th percentile per-packet one-way delay: 31.957 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 23.63 Mbit/s
95th percentile per-packet one-way delay: 32.017 ms
Loss rate: 1.30%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-16 17:23:07
End at: 2018-02-16 17:23:37
Local clock offset: -2.057 ms
Remote clock offset: -5.239 ms

Below is generated by plot.py at 2018-02-16 18:20:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 31.928 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 62.58 Mbit/s
95th percentile per-packet one-way delay: 31.860 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 37.26 Mbit/s
95th percentile per-packet one-way delay: 31.976 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 19.38 Mbit/s
95th percentile per-packet one-way delay: 32.010 ms
Loss rate: 0.72%

Run 10: Report of Vivace-LTE — Data Link

