

Pantheon Report

Generated at 2018-02-16 19:38:06 (UTC).

Data path: Mexico Ethernet (*remote*) → AWS California 2 Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

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

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

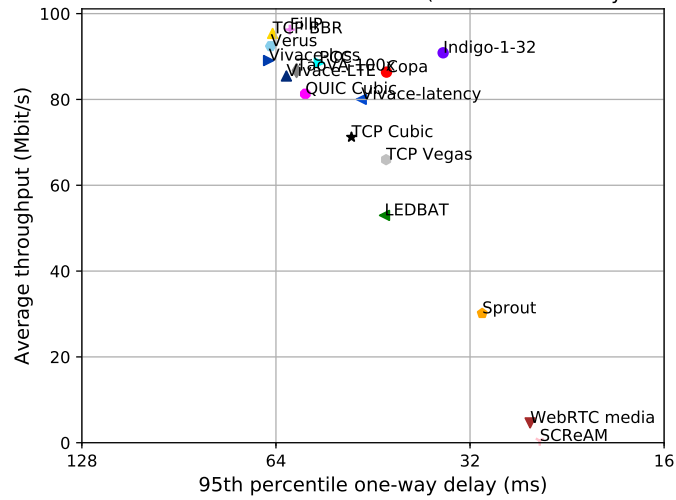
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

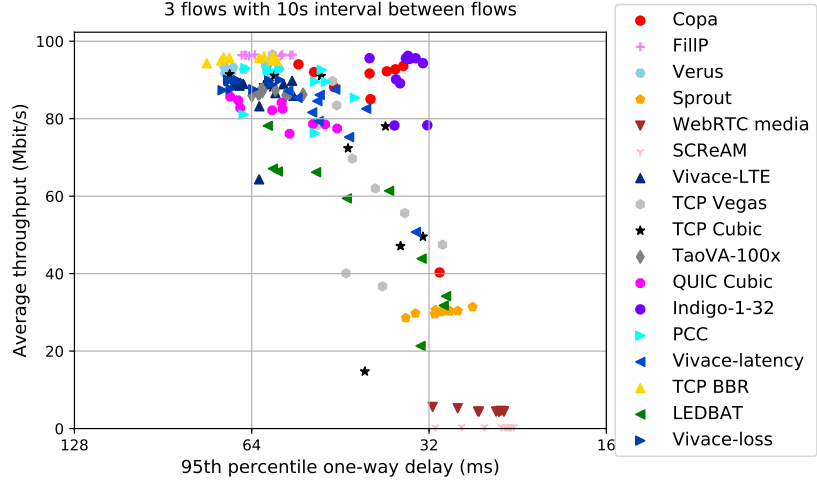
Git summary:

```
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 @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
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 Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



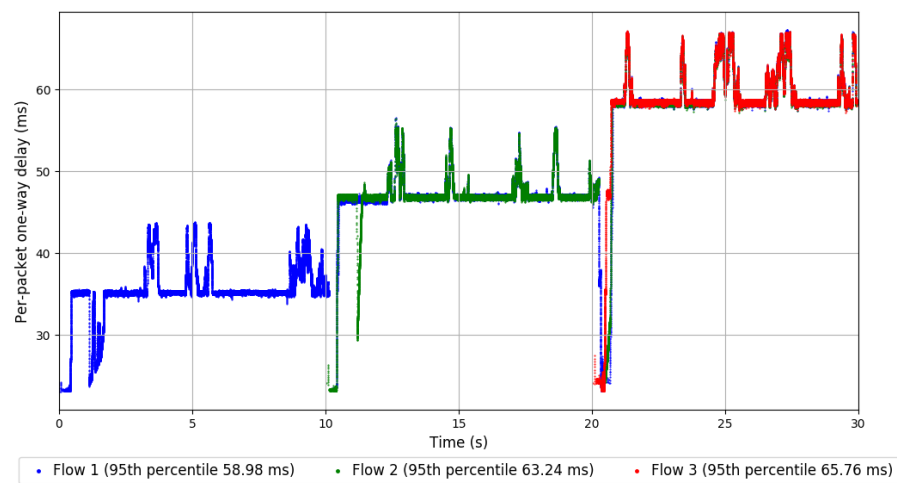
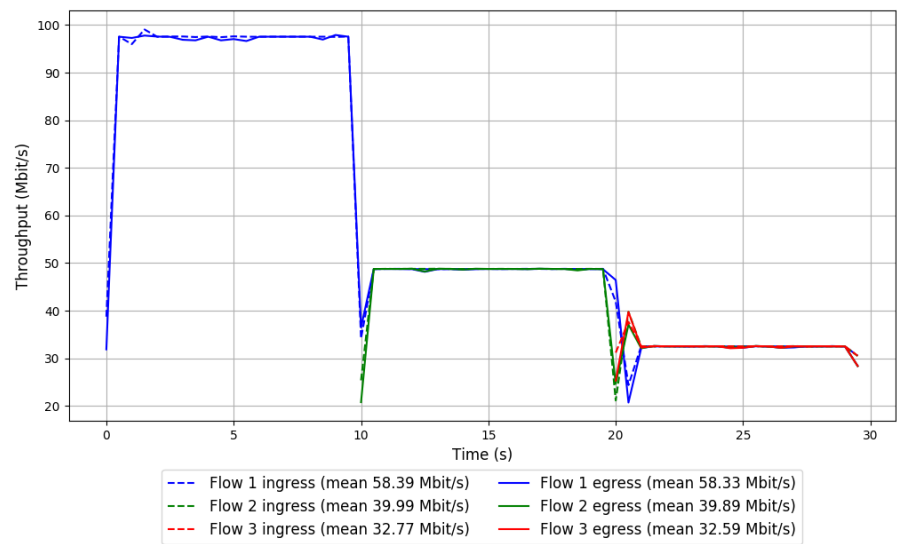
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	57.17	40.65	33.82	64.17	61.92	63.62	0.45	0.61	1.10
TCP Cubic	10	42.70	29.34	27.20	43.27	47.02	49.69	0.30	0.44	0.96
LEDBAT	10	30.59	25.06	17.34	41.93	42.88	43.71	0.28	0.46	1.06
PCC	10	61.06	28.29	26.36	54.44	54.20	49.08	0.46	0.67	1.06
QUIC Cubic	10	46.73	35.64	33.17	51.66	55.29	58.09	0.32	0.44	0.93
SCReAM	10	0.21	0.21	0.21	25.11	24.93	24.90	0.31	0.32	0.58
WebRTC media	10	2.41	1.57	0.65	25.67	25.91	25.97	0.33	0.52	0.51
Sprout	10	15.42	14.98	14.53	29.58	31.18	31.98	0.27	0.34	0.66
TaoVA-100x	10	49.66	38.56	34.49	55.09	58.43	56.74	0.31	0.49	0.96
TCP Vegas	10	36.91	31.47	24.54	40.65	44.18	41.80	0.26	0.35	0.76
Verus	10	56.46	40.03	28.56	61.84	60.60	67.34	0.40	0.59	1.20
Copa	10	56.18	33.81	25.05	41.76	41.21	46.42	0.34	0.41	1.67
FillP	10	59.43	39.36	32.34	56.34	60.11	59.64	0.49	1.29	2.55
Indigo-1-32	10	55.86	36.17	33.87	34.84	36.44	35.49	0.32	0.50	0.90
Vivace-latency	10	53.62	32.53	14.57	44.67	50.05	48.68	0.35	0.51	1.64
Vivace-loss	10	54.04	40.23	25.27	60.78	60.70	67.41	0.44	1.46	3.46
Vivace-LTE	10	53.28	36.43	24.30	59.12	55.93	62.04	0.39	0.54	1.20

Run 1: Statistics of TCP BBR

Start at: 2018-02-16 10:45:48
End at: 2018-02-16 10:46:18
Local clock offset: 0.146 ms
Remote clock offset: -2.642 ms

Below is generated by plot.py at 2018-02-16 19:13:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 62.179 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 58.33 Mbit/s
95th percentile per-packet one-way delay: 58.982 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 39.89 Mbit/s
95th percentile per-packet one-way delay: 63.241 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 32.59 Mbit/s
95th percentile per-packet one-way delay: 65.756 ms
Loss rate: 1.09%

Run 1: Report of TCP BBR — Data Link

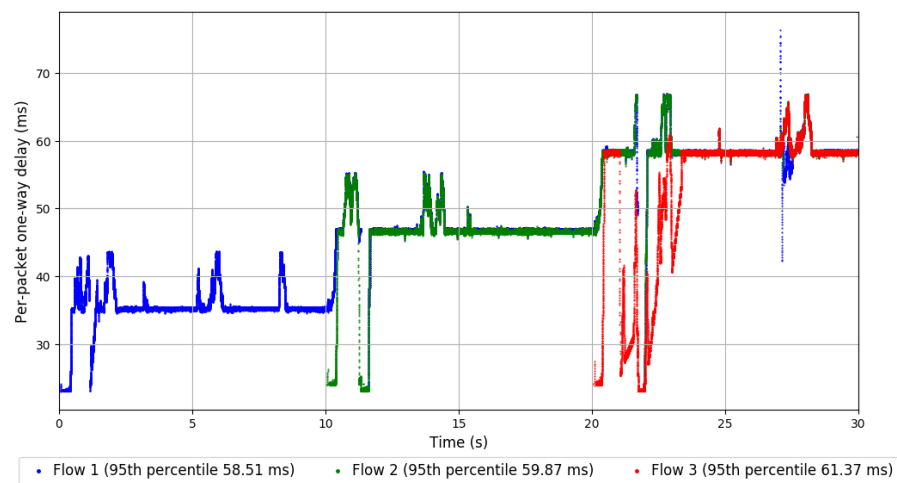
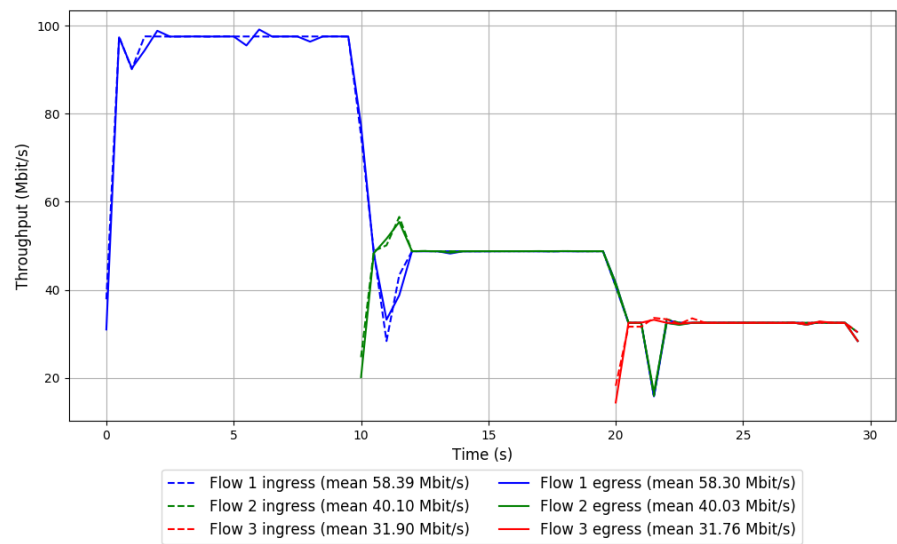


Run 2: Statistics of TCP BBR

Start at: 2018-02-16 11:10:24
End at: 2018-02-16 11:10:54
Local clock offset: 0.248 ms
Remote clock offset: -1.172 ms

Below is generated by plot.py at 2018-02-16 19:13:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.44 Mbit/s
95th percentile per-packet one-way delay: 58.655 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 58.30 Mbit/s
95th percentile per-packet one-way delay: 58.509 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 40.03 Mbit/s
95th percentile per-packet one-way delay: 59.874 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 31.76 Mbit/s
95th percentile per-packet one-way delay: 61.368 ms
Loss rate: 0.99%

Run 2: Report of TCP BBR — Data Link

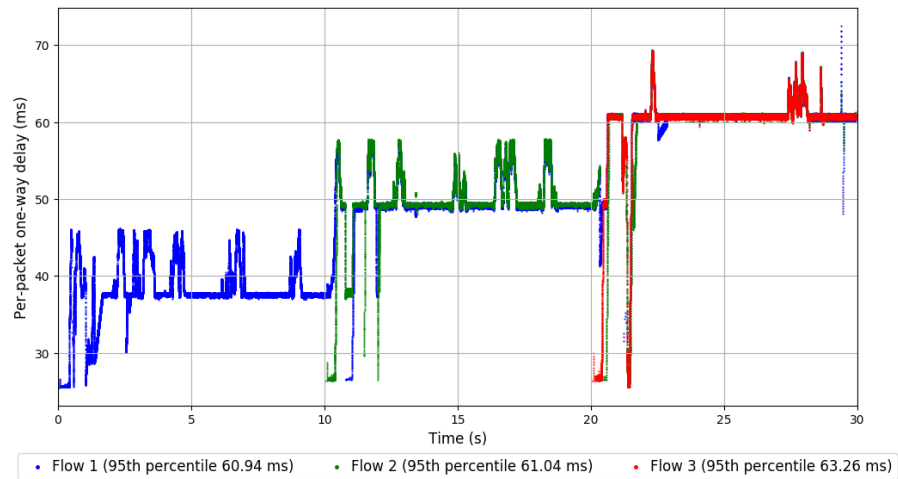
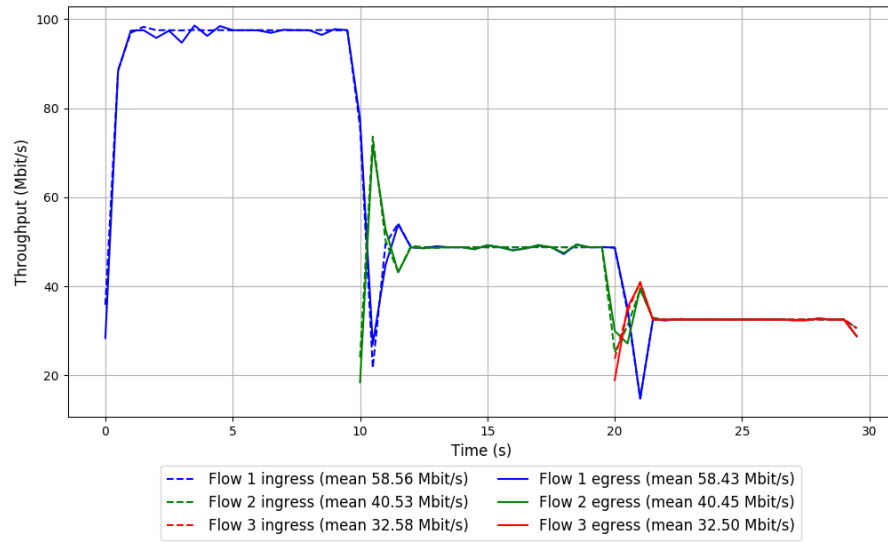


Run 3: Statistics of TCP BBR

Start at: 2018-02-16 11:35:19
End at: 2018-02-16 11:35:49
Local clock offset: 0.117 ms
Remote clock offset: -3.052 ms

Below is generated by plot.py at 2018-02-16 19:13:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 61.007 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 58.43 Mbit/s
95th percentile per-packet one-way delay: 60.941 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 61.044 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 32.50 Mbit/s
95th percentile per-packet one-way delay: 63.257 ms
Loss rate: 0.93%

Run 3: Report of TCP BBR — Data Link

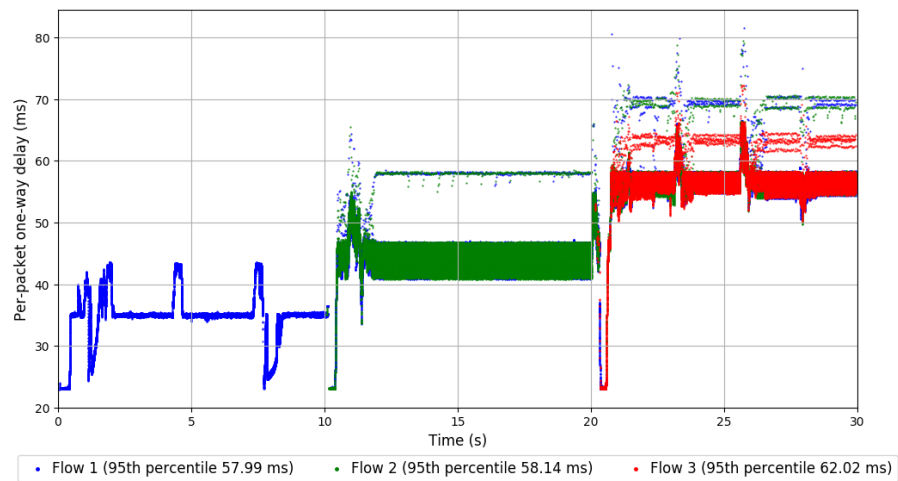
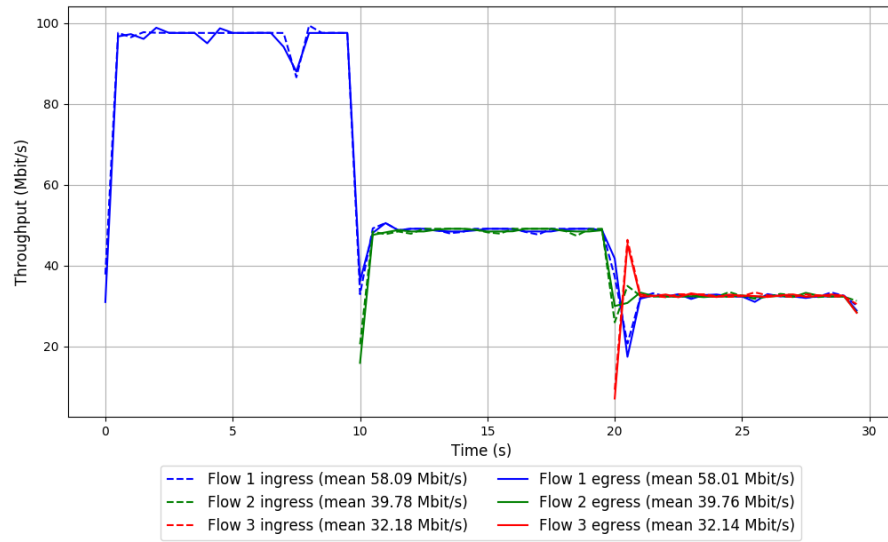


Run 4: Statistics of TCP BBR

Start at: 2018-02-16 11:59:53
End at: 2018-02-16 12:00:23
Local clock offset: 0.105 ms
Remote clock offset: -0.491 ms

Below is generated by plot.py at 2018-02-16 19:13:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 58.100 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 58.01 Mbit/s
95th percentile per-packet one-way delay: 57.994 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 39.76 Mbit/s
95th percentile per-packet one-way delay: 58.140 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 32.14 Mbit/s
95th percentile per-packet one-way delay: 62.025 ms
Loss rate: 0.98%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-02-16 12:24:28

End at: 2018-02-16 12:24:58

Local clock offset: 0.296 ms

Remote clock offset: 0.534 ms

Below is generated by plot.py at 2018-02-16 19:13:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.80 Mbit/s

95th percentile per-packet one-way delay: 59.017 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 58.35 Mbit/s

95th percentile per-packet one-way delay: 58.980 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 39.92 Mbit/s

95th percentile per-packet one-way delay: 59.051 ms

Loss rate: 0.39%

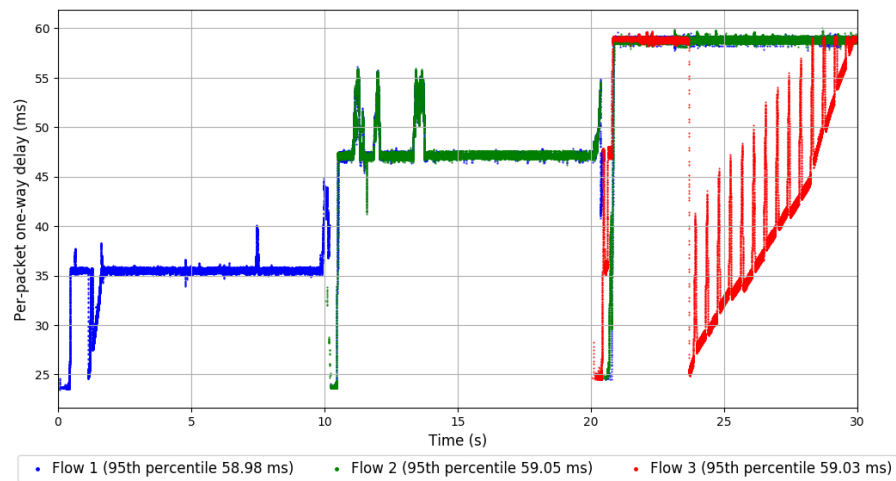
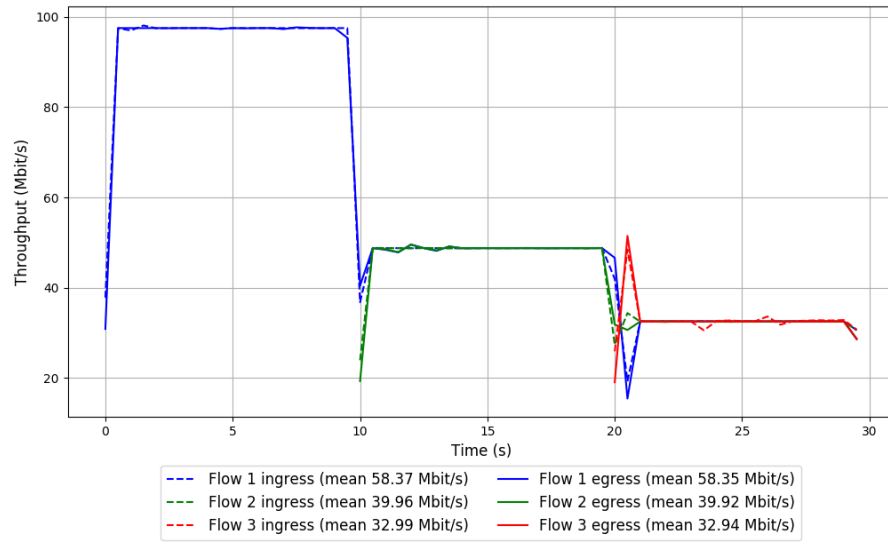
-- Flow 3:

Average throughput: 32.94 Mbit/s

95th percentile per-packet one-way delay: 59.034 ms

Loss rate: 0.88%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-02-16 12:49:16

End at: 2018-02-16 12:49:46

Local clock offset: 0.05 ms

Remote clock offset: 2.88 ms

Below is generated by plot.py at 2018-02-16 19:13:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.70 Mbit/s

95th percentile per-packet one-way delay: 69.849 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 55.56 Mbit/s

95th percentile per-packet one-way delay: 69.645 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 47.78 Mbit/s

95th percentile per-packet one-way delay: 53.910 ms

Loss rate: 0.61%

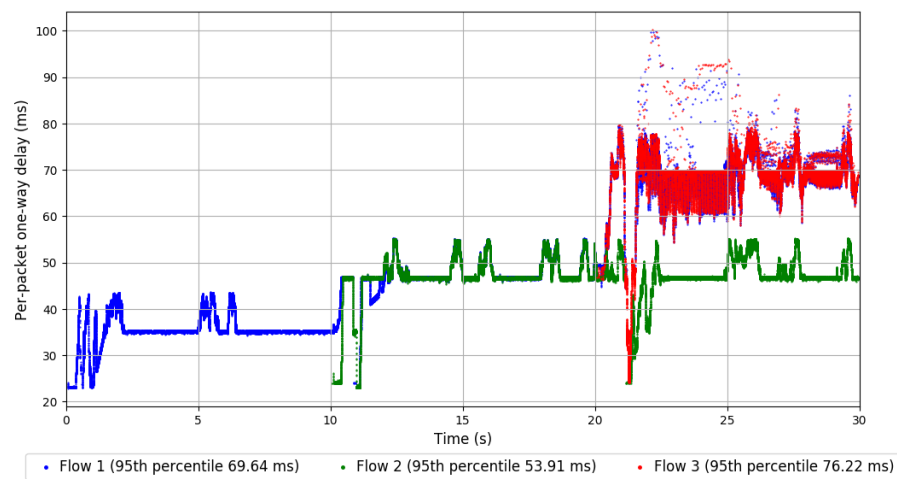
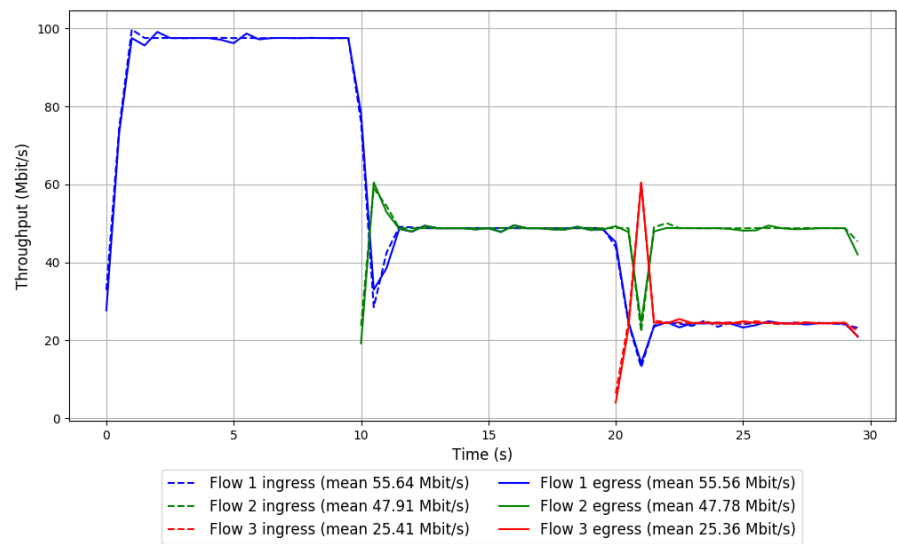
-- Flow 3:

Average throughput: 25.36 Mbit/s

95th percentile per-packet one-way delay: 76.221 ms

Loss rate: 1.21%

Run 6: Report of TCP BBR — Data Link

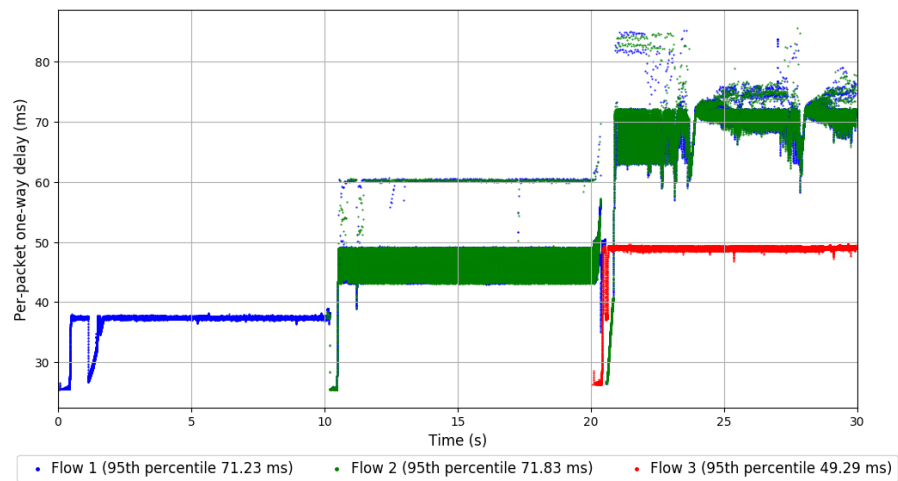
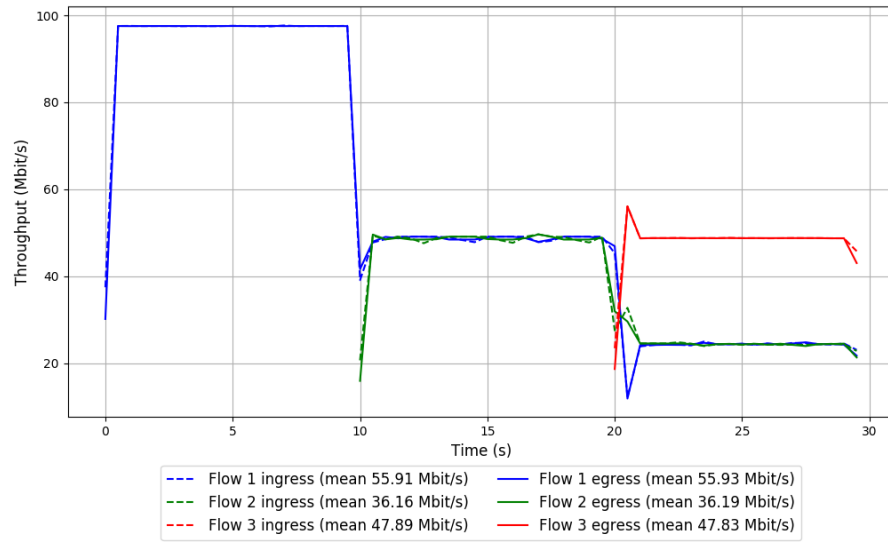


Run 7: Statistics of TCP BBR

Start at: 2018-02-16 13:13:52
End at: 2018-02-16 13:14:22
Local clock offset: -0.095 ms
Remote clock offset: -7.635 ms

Below is generated by plot.py at 2018-02-16 19:13:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 71.412 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 55.93 Mbit/s
95th percentile per-packet one-way delay: 71.232 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 36.19 Mbit/s
95th percentile per-packet one-way delay: 71.825 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 47.83 Mbit/s
95th percentile per-packet one-way delay: 49.292 ms
Loss rate: 0.79%

Run 7: Report of TCP BBR — Data Link

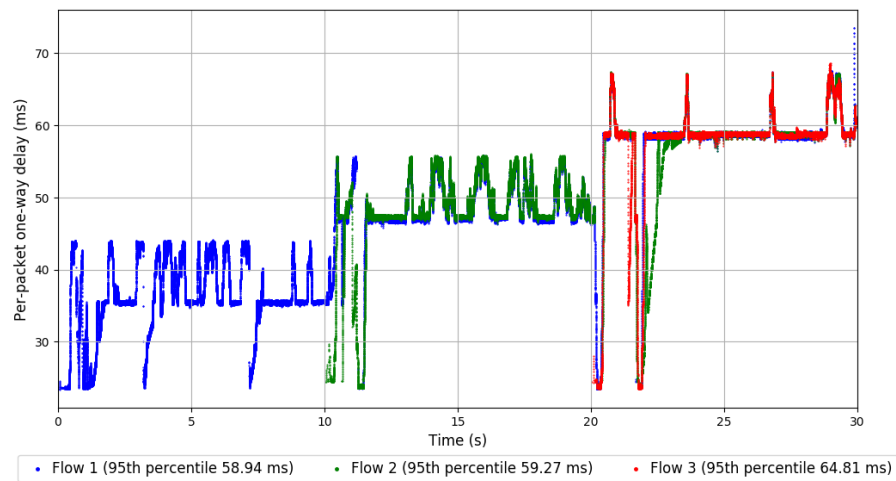
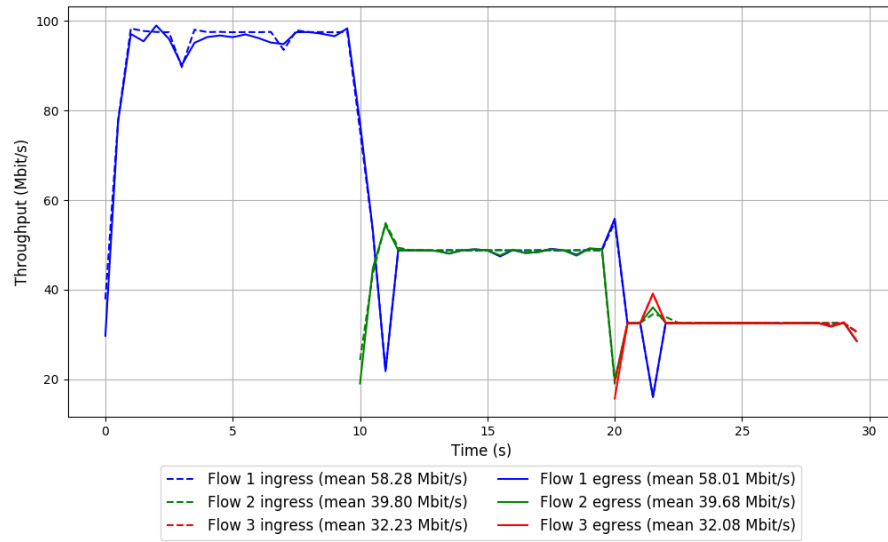


Run 8: Statistics of TCP BBR

Start at: 2018-02-16 13:38:32
End at: 2018-02-16 13:39:02
Local clock offset: -0.032 ms
Remote clock offset: -5.746 ms

Below is generated by plot.py at 2018-02-16 19:13:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 59.042 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 58.01 Mbit/s
95th percentile per-packet one-way delay: 58.943 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 39.68 Mbit/s
95th percentile per-packet one-way delay: 59.272 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 32.08 Mbit/s
95th percentile per-packet one-way delay: 64.812 ms
Loss rate: 1.03%

Run 8: Report of TCP BBR — Data Link

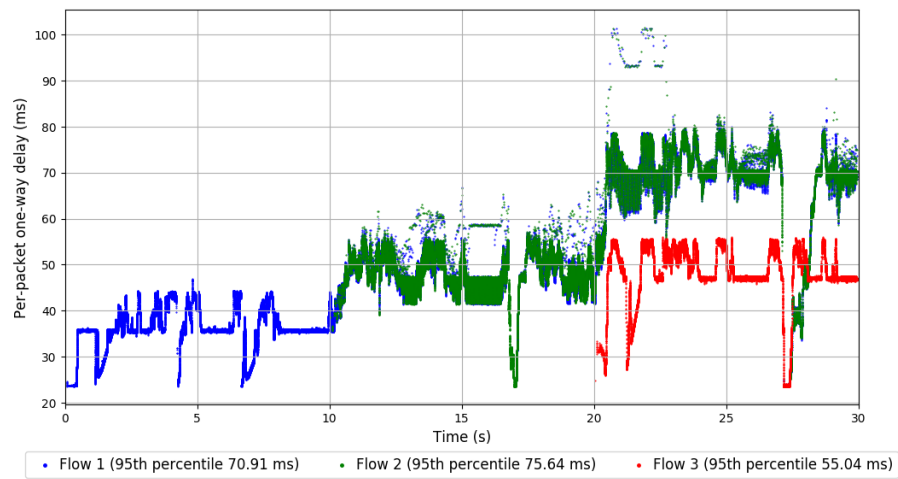
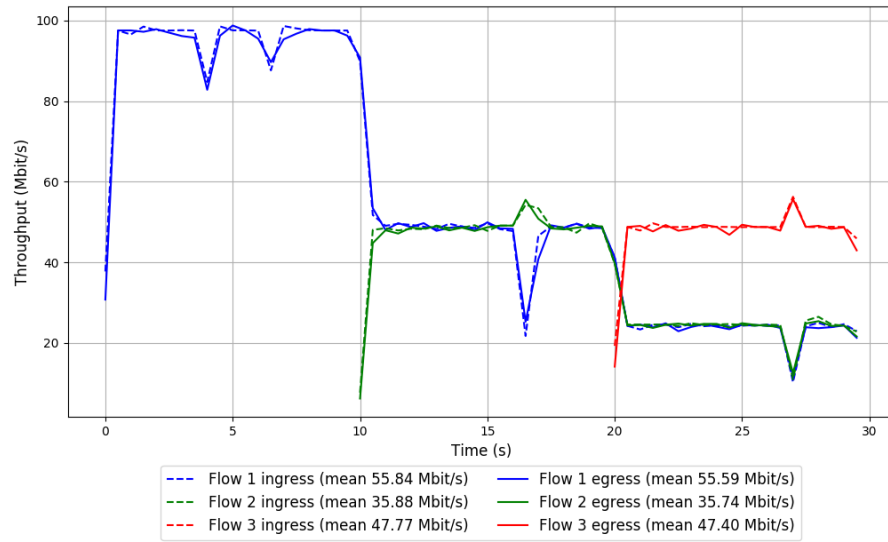


Run 9: Statistics of TCP BBR

Start at: 2018-02-16 14:03:20
End at: 2018-02-16 14:03:50
Local clock offset: 0.353 ms
Remote clock offset: -5.927 ms

Below is generated by plot.py at 2018-02-16 19:14:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 72.106 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 55.59 Mbit/s
95th percentile per-packet one-way delay: 70.911 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 35.74 Mbit/s
95th percentile per-packet one-way delay: 75.639 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 47.40 Mbit/s
95th percentile per-packet one-way delay: 55.041 ms
Loss rate: 1.31%

Run 9: Report of TCP BBR — Data Link

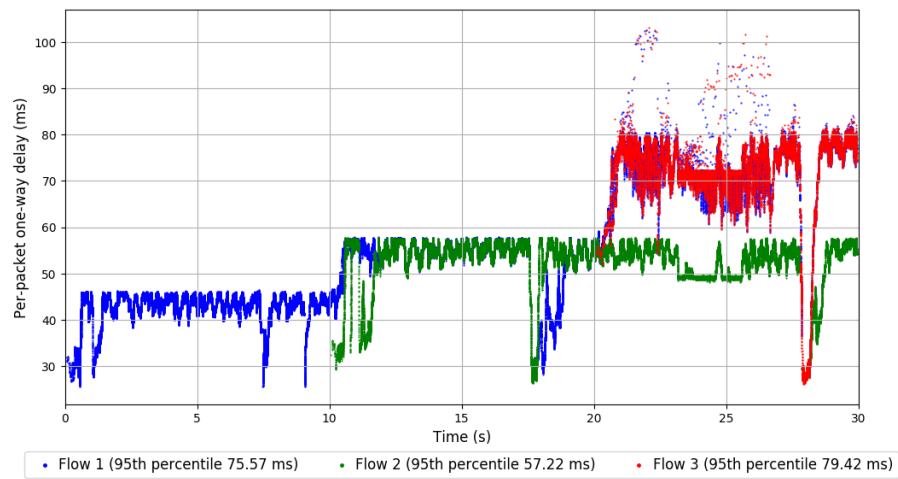
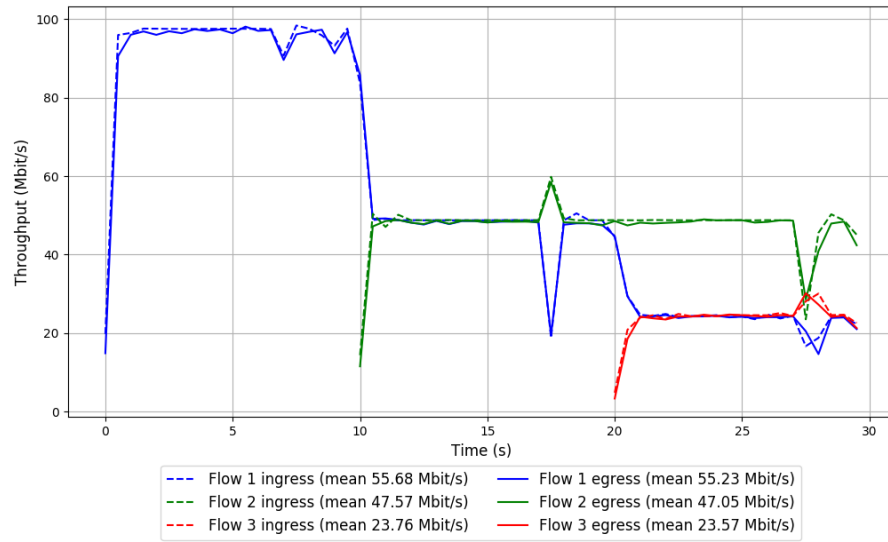


Run 10: Statistics of TCP BBR

Start at: 2018-02-16 14:28:47
End at: 2018-02-16 14:29:17
Local clock offset: 0.278 ms
Remote clock offset: -8.405 ms

Below is generated by plot.py at 2018-02-16 19:14:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.31 Mbit/s
95th percentile per-packet one-way delay: 76.290 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 55.23 Mbit/s
95th percentile per-packet one-way delay: 75.568 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 47.05 Mbit/s
95th percentile per-packet one-way delay: 57.215 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 23.57 Mbit/s
95th percentile per-packet one-way delay: 79.422 ms
Loss rate: 1.80%

Run 10: Report of TCP BBR — Data Link

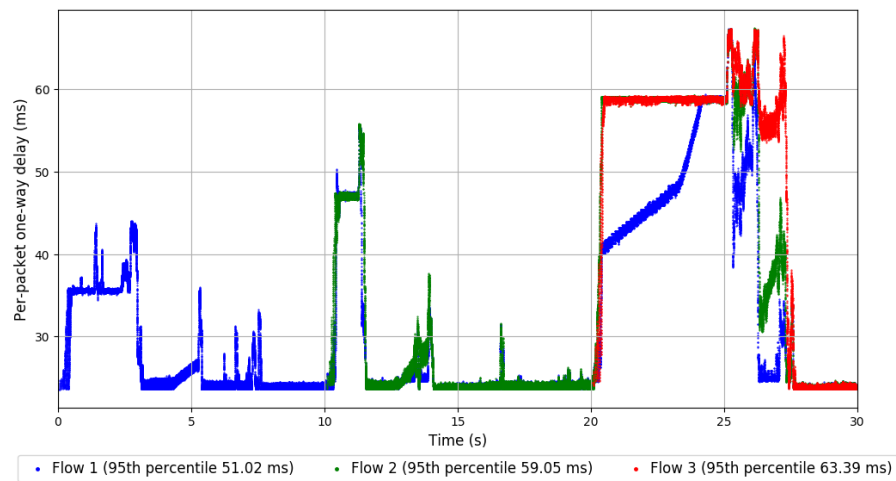
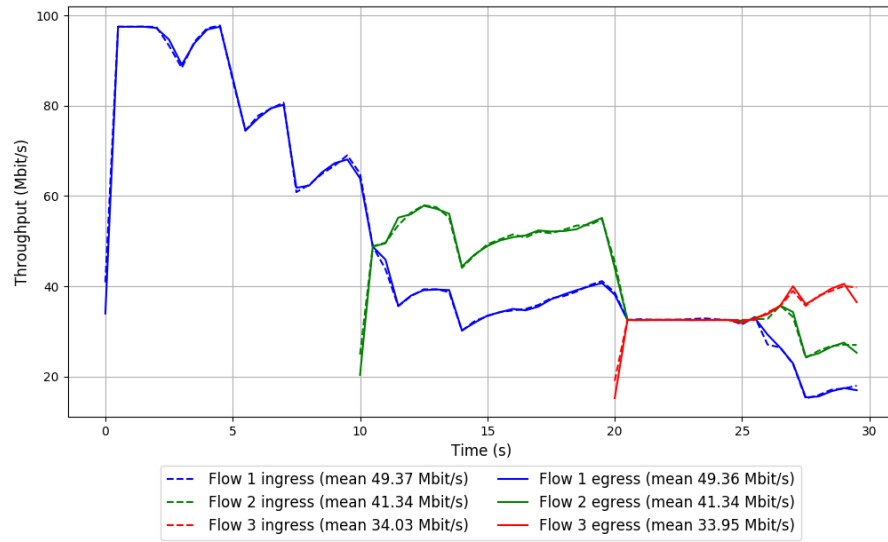


Run 1: Statistics of TCP Cubic

Start at: 2018-02-16 10:52:37
End at: 2018-02-16 10:53:07
Local clock offset: 0.165 ms
Remote clock offset: -2.814 ms

Below is generated by plot.py at 2018-02-16 19:14:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 59.024 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 49.36 Mbit/s
95th percentile per-packet one-way delay: 51.015 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 41.34 Mbit/s
95th percentile per-packet one-way delay: 59.052 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 33.95 Mbit/s
95th percentile per-packet one-way delay: 63.390 ms
Loss rate: 0.80%

Run 1: Report of TCP Cubic — Data Link

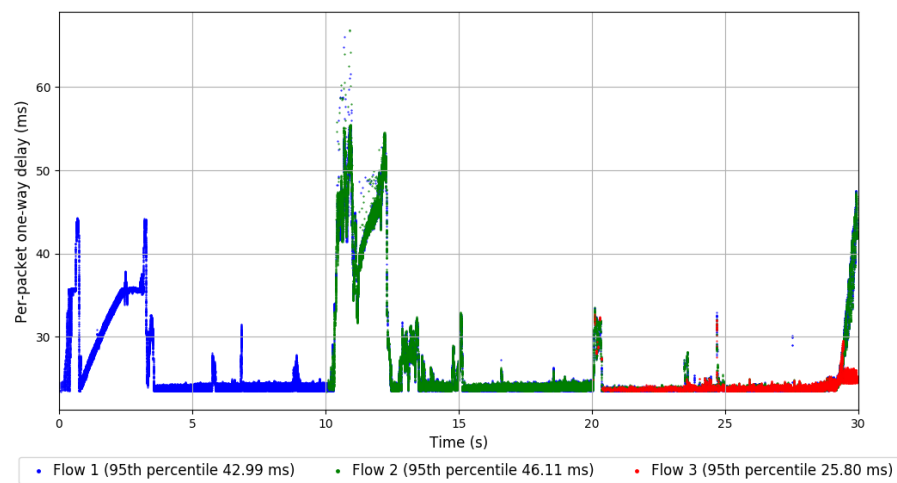
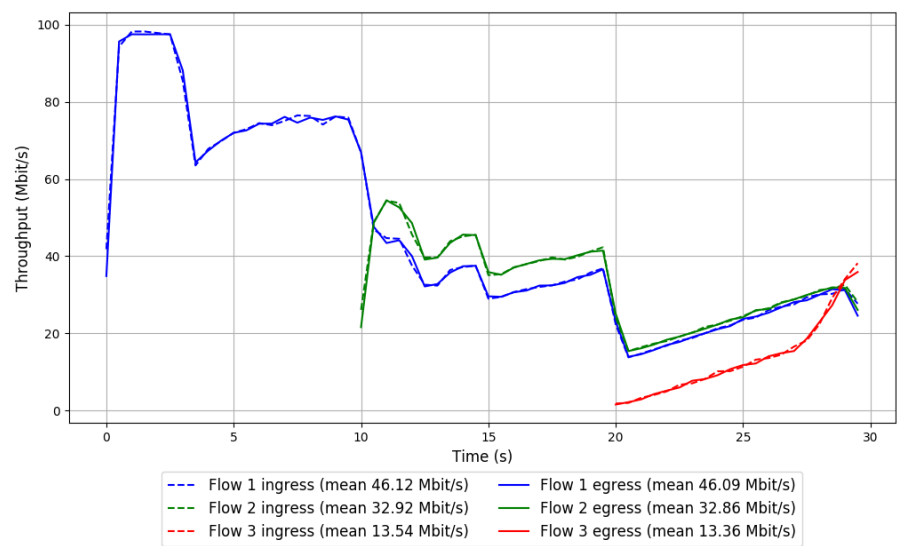


Run 2: Statistics of TCP Cubic

Start at: 2018-02-16 11:17:18
End at: 2018-02-16 11:17:48
Local clock offset: 0.245 ms
Remote clock offset: -1.726 ms

Below is generated by plot.py at 2018-02-16 19:14:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.37 Mbit/s
95th percentile per-packet one-way delay: 43.921 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 46.09 Mbit/s
95th percentile per-packet one-way delay: 42.991 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 32.86 Mbit/s
95th percentile per-packet one-way delay: 46.106 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 13.36 Mbit/s
95th percentile per-packet one-way delay: 25.803 ms
Loss rate: 1.81%

Run 2: Report of TCP Cubic — Data Link

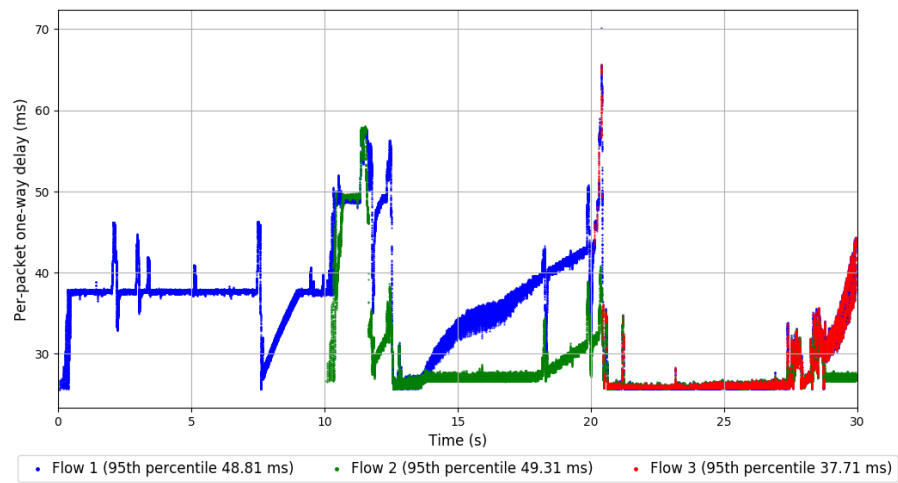
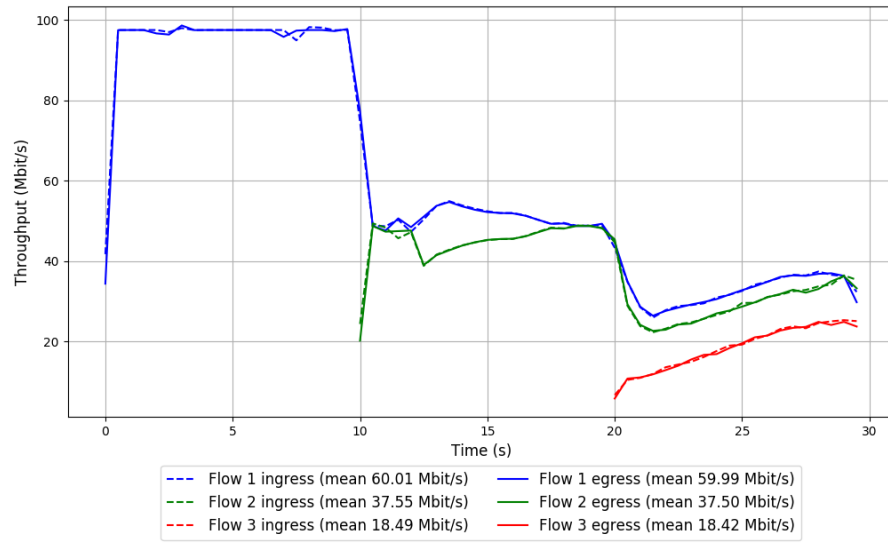


Run 3: Statistics of TCP Cubic

Start at: 2018-02-16 11:42:07
End at: 2018-02-16 11:42:37
Local clock offset: 0.215 ms
Remote clock offset: -2.754 ms

Below is generated by plot.py at 2018-02-16 19:14:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.02 Mbit/s
95th percentile per-packet one-way delay: 48.801 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 59.99 Mbit/s
95th percentile per-packet one-way delay: 48.813 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 37.50 Mbit/s
95th percentile per-packet one-way delay: 49.308 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 18.42 Mbit/s
95th percentile per-packet one-way delay: 37.712 ms
Loss rate: 1.08%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-02-16 12:06:42

End at: 2018-02-16 12:07:12

Local clock offset: 0.297 ms

Remote clock offset: -3.08 ms

Below is generated by plot.py at 2018-02-16 19:14:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.66 Mbit/s

95th percentile per-packet one-way delay: 61.025 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 51.89 Mbit/s

95th percentile per-packet one-way delay: 49.488 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 35.12 Mbit/s

95th percentile per-packet one-way delay: 62.752 ms

Loss rate: 0.19%

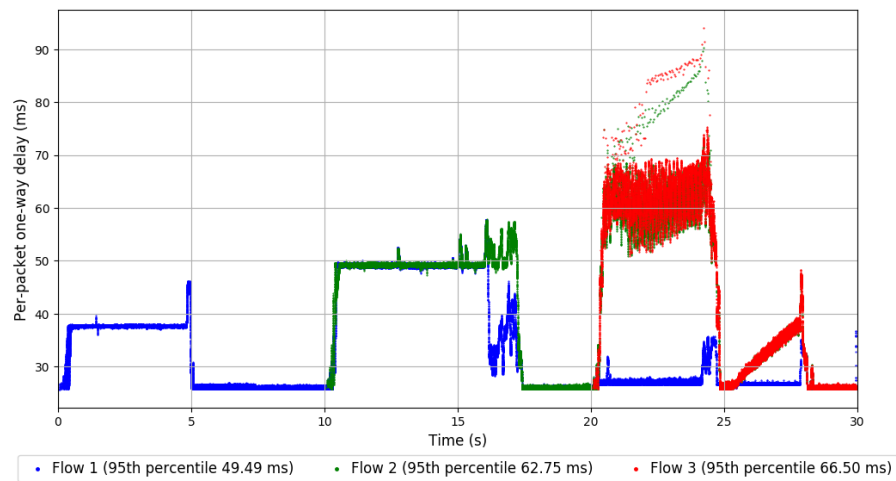
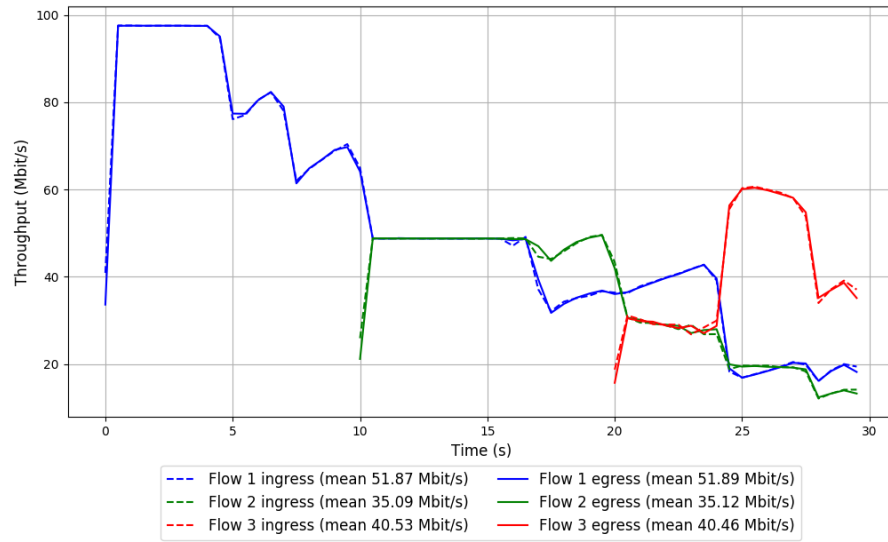
-- Flow 3:

Average throughput: 40.46 Mbit/s

95th percentile per-packet one-way delay: 66.504 ms

Loss rate: 0.68%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-02-16 12:31:15

End at: 2018-02-16 12:31:45

Local clock offset: 0.331 ms

Remote clock offset: 1.871 ms

Below is generated by plot.py at 2018-02-16 19:14:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.02 Mbit/s

95th percentile per-packet one-way delay: 37.935 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 45.79 Mbit/s

95th percentile per-packet one-way delay: 36.626 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 31.57 Mbit/s

95th percentile per-packet one-way delay: 30.034 ms

Loss rate: 0.44%

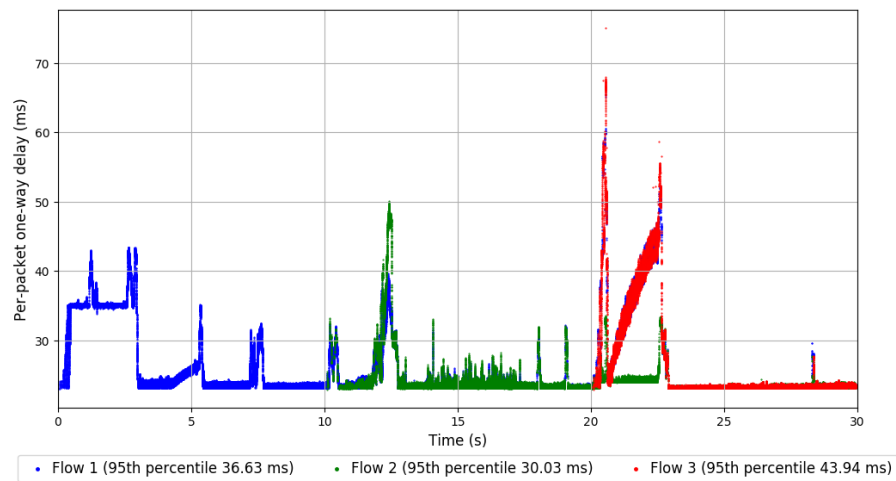
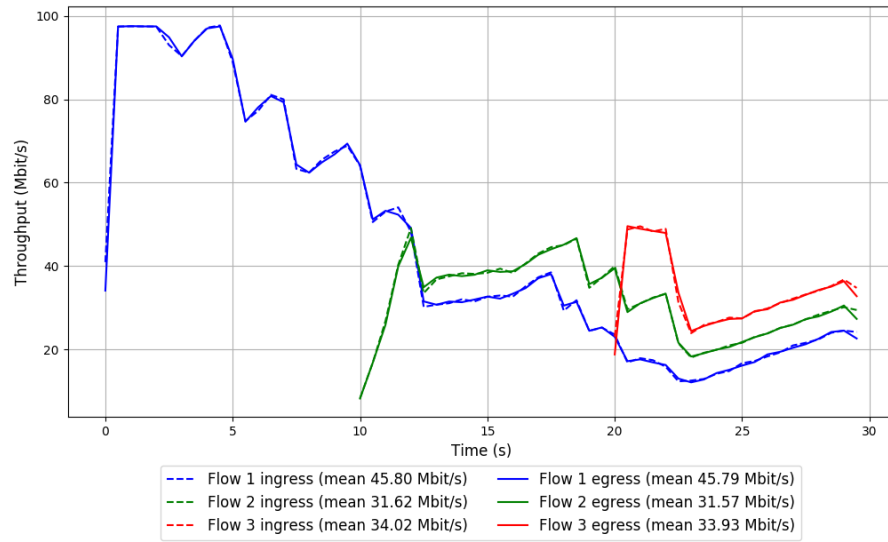
-- Flow 3:

Average throughput: 33.93 Mbit/s

95th percentile per-packet one-way delay: 43.944 ms

Loss rate: 0.80%

Run 5: Report of TCP Cubic — Data Link

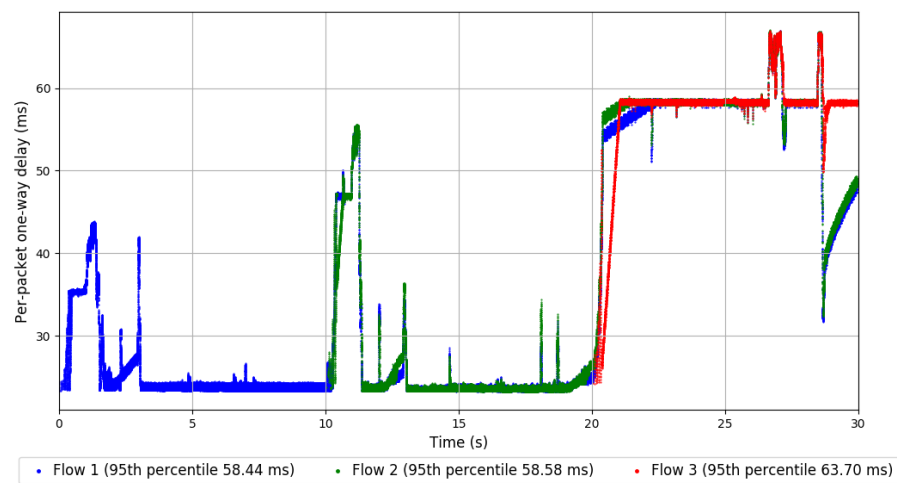
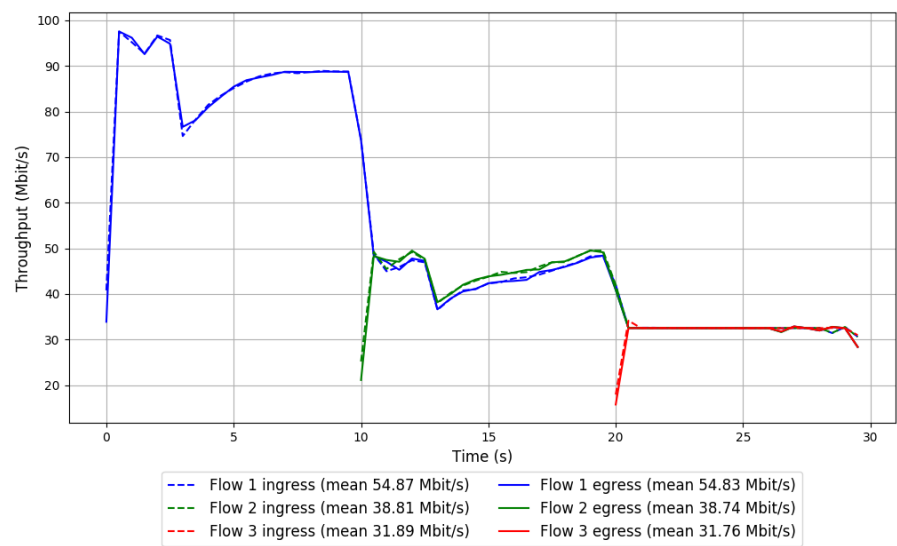


Run 6: Statistics of TCP Cubic

Start at: 2018-02-16 12:56:04
End at: 2018-02-16 12:56:35
Local clock offset: -0.079 ms
Remote clock offset: -0.647 ms

Below is generated by plot.py at 2018-02-16 19:14:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.12 Mbit/s
95th percentile per-packet one-way delay: 58.549 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 54.83 Mbit/s
95th percentile per-packet one-way delay: 58.436 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 38.74 Mbit/s
95th percentile per-packet one-way delay: 58.576 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 31.76 Mbit/s
95th percentile per-packet one-way delay: 63.700 ms
Loss rate: 1.11%

Run 6: Report of TCP Cubic — Data Link

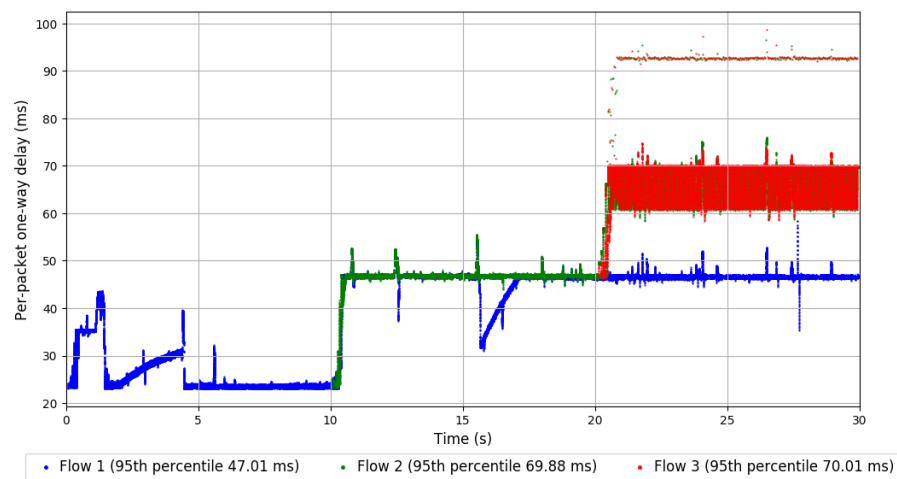
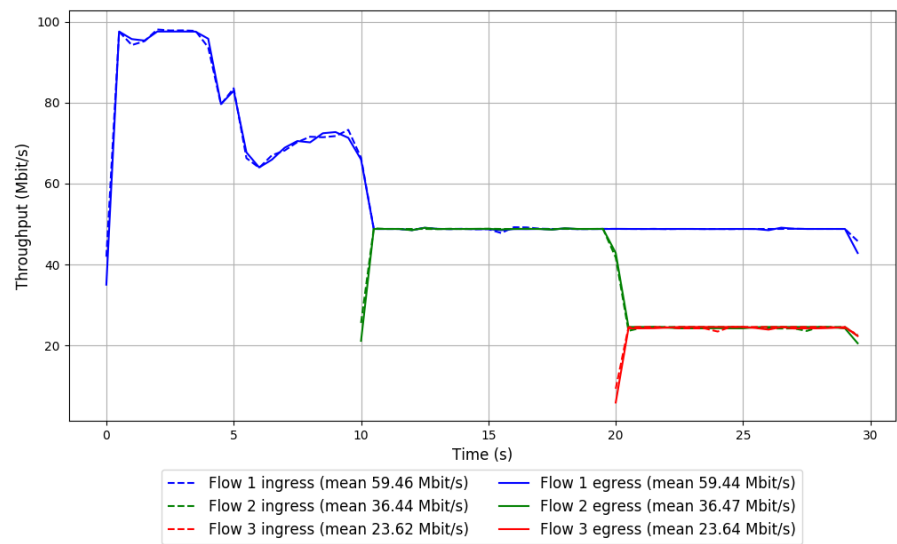


Run 7: Statistics of TCP Cubic

Start at: 2018-02-16 13:20:43
End at: 2018-02-16 13:21:13
Local clock offset: 0.013 ms
Remote clock offset: -5.761 ms

Below is generated by plot.py at 2018-02-16 19:15:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.48 Mbit/s
95th percentile per-packet one-way delay: 69.775 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 59.44 Mbit/s
95th percentile per-packet one-way delay: 47.006 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 69.877 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 23.64 Mbit/s
95th percentile per-packet one-way delay: 70.009 ms
Loss rate: 0.96%

Run 7: Report of TCP Cubic — Data Link

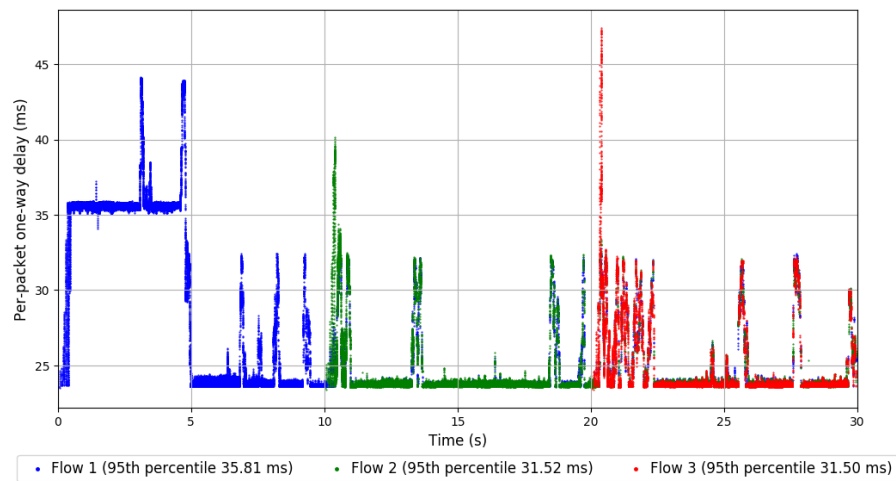
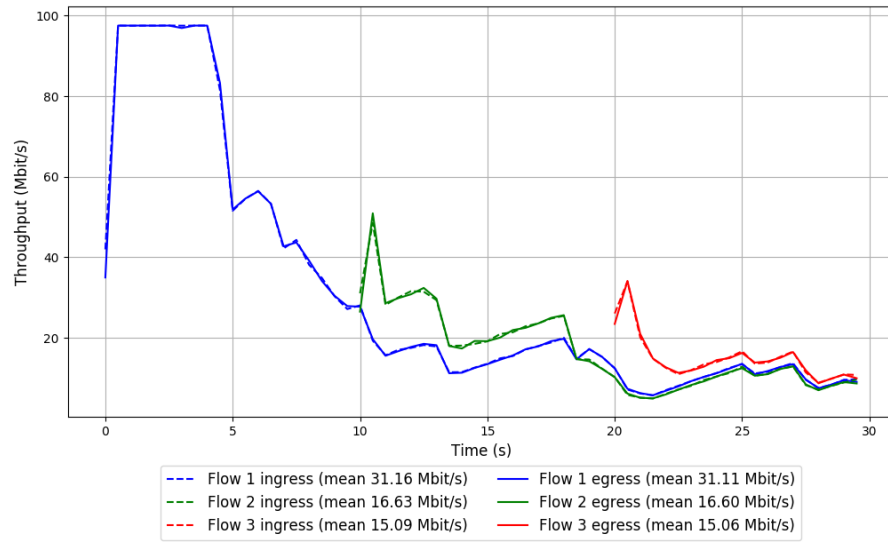


Run 8: Statistics of TCP Cubic

Start at: 2018-02-16 13:45:28
End at: 2018-02-16 13:45:58
Local clock offset: 0.12 ms
Remote clock offset: -5.761 ms

Below is generated by plot.py at 2018-02-16 19:15:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.13 Mbit/s
95th percentile per-packet one-way delay: 35.769 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 31.11 Mbit/s
95th percentile per-packet one-way delay: 35.813 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 16.60 Mbit/s
95th percentile per-packet one-way delay: 31.523 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 15.06 Mbit/s
95th percentile per-packet one-way delay: 31.504 ms
Loss rate: 0.74%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-02-16 14:10:41

End at: 2018-02-16 14:11:11

Local clock offset: 0.389 ms

Remote clock offset: -5.96 ms

Below is generated by plot.py at 2018-02-16 19:15:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.55 Mbit/s

95th percentile per-packet one-way delay: 32.778 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 23.72 Mbit/s

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

Loss rate: 0.35%

-- Flow 2:

Average throughput: 18.84 Mbit/s

95th percentile per-packet one-way delay: 31.261 ms

Loss rate: 0.56%

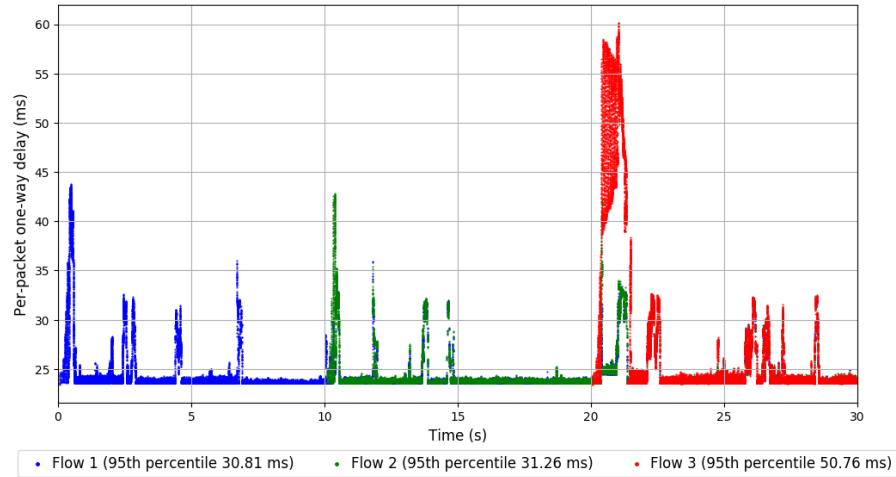
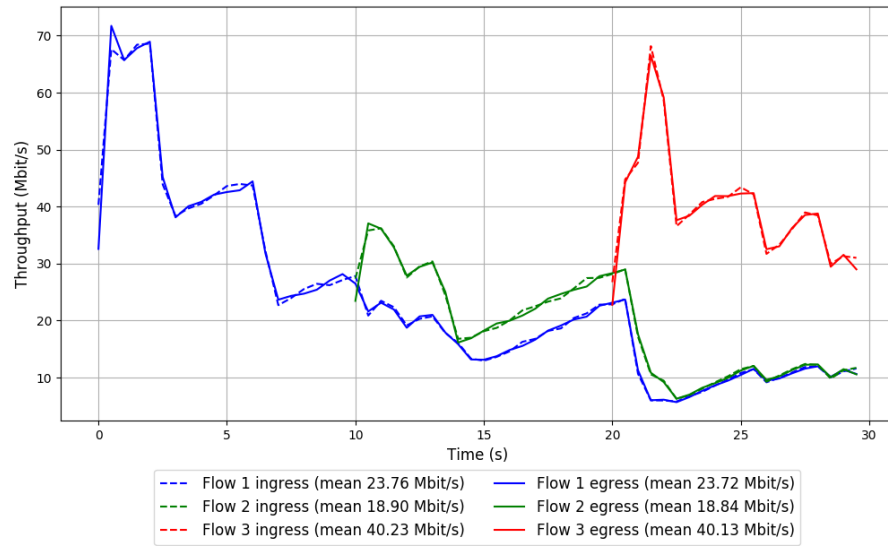
-- Flow 3:

Average throughput: 40.13 Mbit/s

95th percentile per-packet one-way delay: 50.756 ms

Loss rate: 0.78%

Run 9: Report of TCP Cubic — Data Link

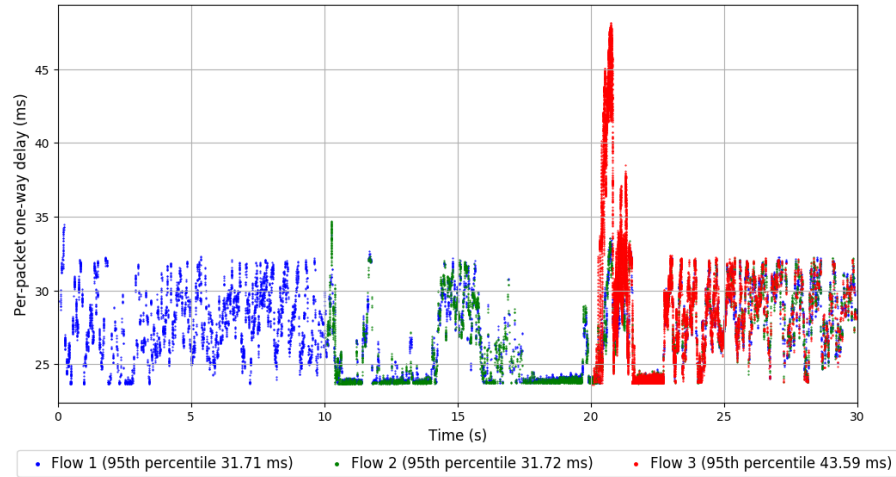
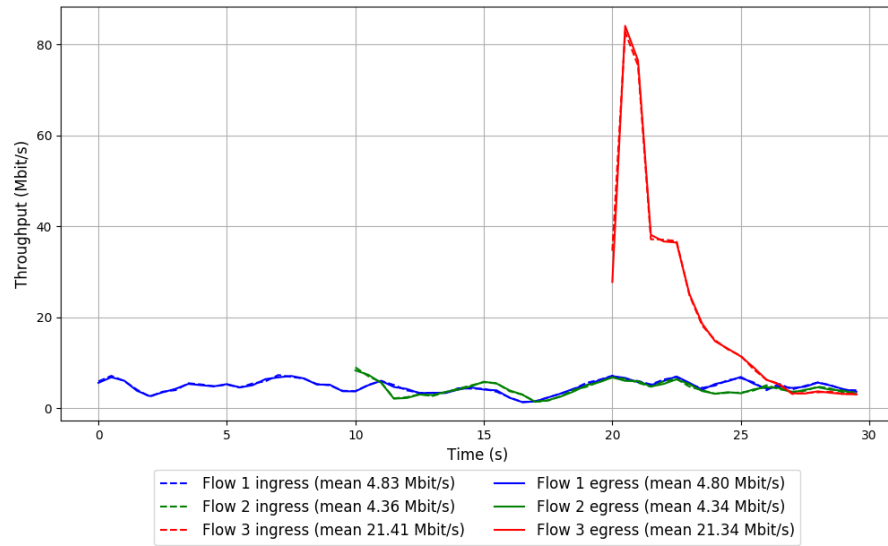


Run 10: Statistics of TCP Cubic

Start at: 2018-02-16 14:36:18
End at: 2018-02-16 14:36:48
Local clock offset: 0.263 ms
Remote clock offset: -6.127 ms

Below is generated by plot.py at 2018-02-16 19:15:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.74 Mbit/s
95th percentile per-packet one-way delay: 41.125 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 31.706 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 31.723 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 21.34 Mbit/s
95th percentile per-packet one-way delay: 43.588 ms
Loss rate: 0.87%

Run 10: Report of TCP Cubic — Data Link

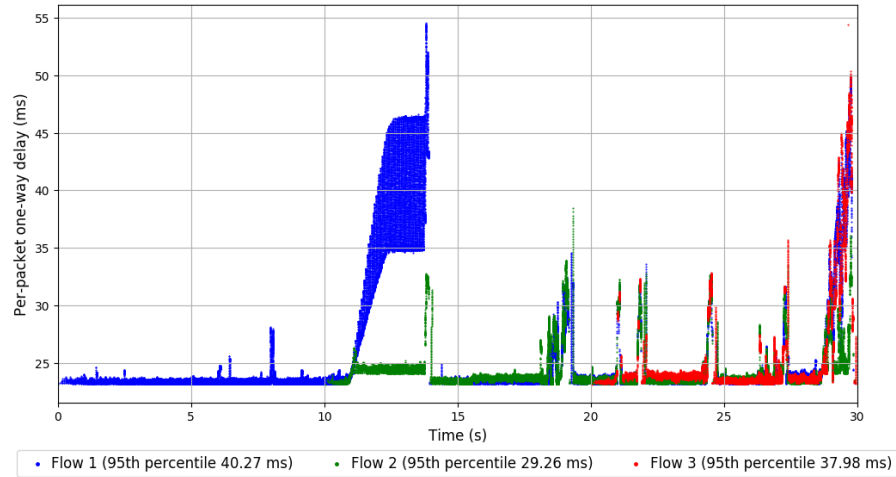
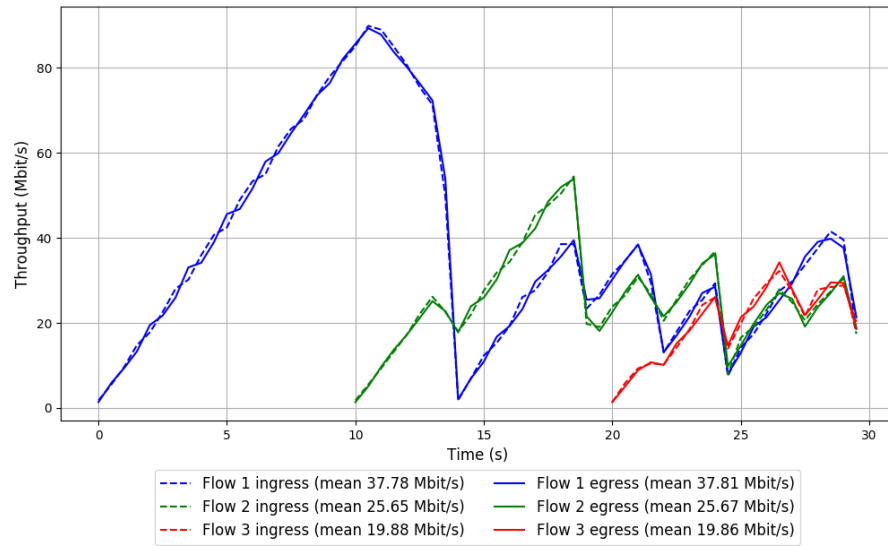


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-16 10:44:27
End at: 2018-02-16 10:44:57
Local clock offset: 0.153 ms
Remote clock offset: -2.664 ms

# Below is generated by plot.py at 2018-02-16 19:15:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.37 Mbit/s
95th percentile per-packet one-way delay: 37.414 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 37.81 Mbit/s
95th percentile per-packet one-way delay: 40.265 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 25.67 Mbit/s
95th percentile per-packet one-way delay: 29.261 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 19.86 Mbit/s
95th percentile per-packet one-way delay: 37.977 ms
Loss rate: 0.62%
```


Run 1: Report of LEDBAT — Data Link

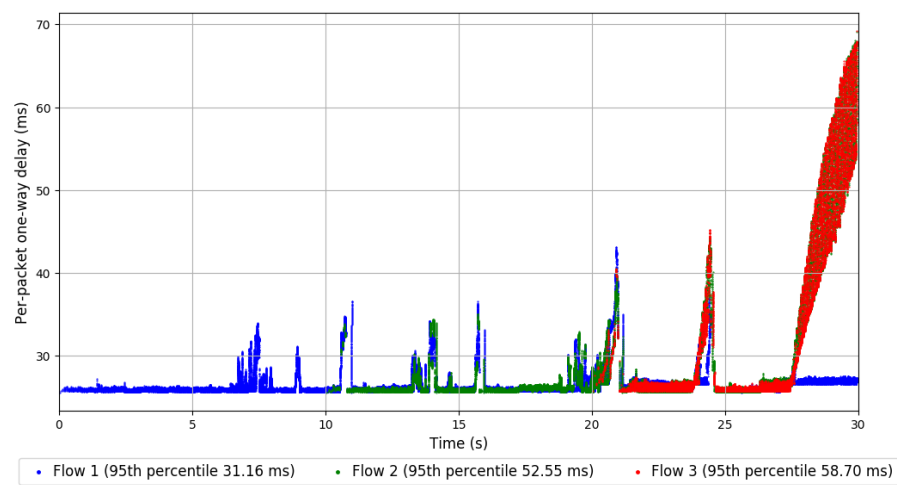
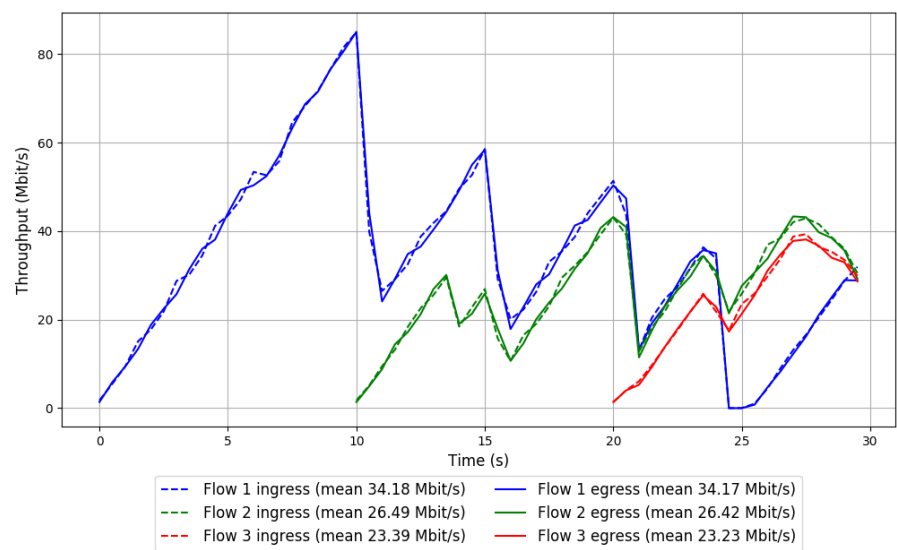


Run 2: Statistics of LEDBAT

Start at: 2018-02-16 11:09:02
End at: 2018-02-16 11:09:32
Local clock offset: 0.25 ms
Remote clock offset: -3.648 ms

Below is generated by plot.py at 2018-02-16 19:15:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.43 Mbit/s
95th percentile per-packet one-way delay: 44.130 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 34.17 Mbit/s
95th percentile per-packet one-way delay: 31.162 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 26.42 Mbit/s
95th percentile per-packet one-way delay: 52.553 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 23.23 Mbit/s
95th percentile per-packet one-way delay: 58.696 ms
Loss rate: 1.22%

Run 2: Report of LEDBAT — Data Link

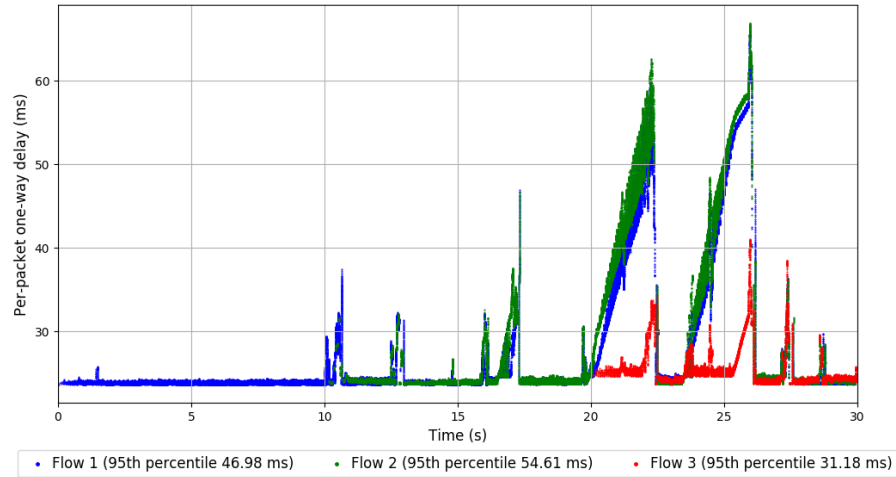
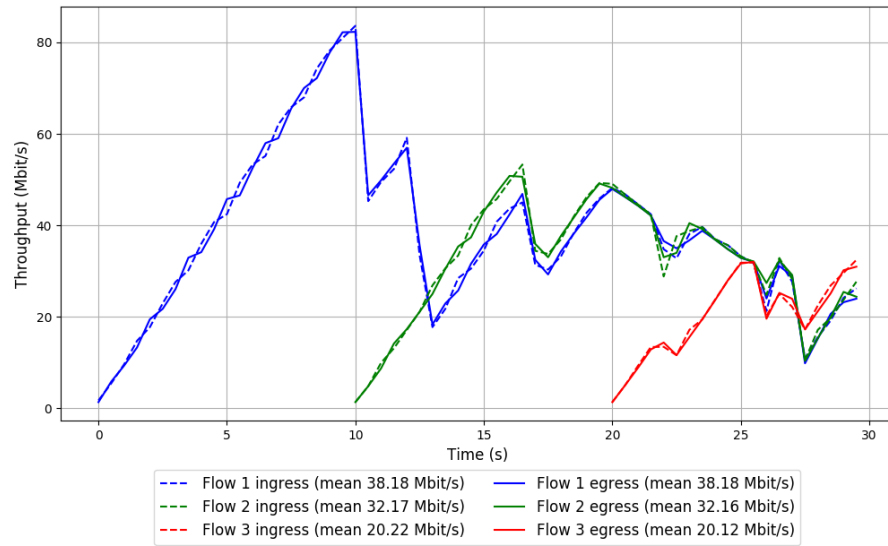


Run 3: Statistics of LEDBAT

Start at: 2018-02-16 11:33:57
End at: 2018-02-16 11:34:27
Local clock offset: 0.221 ms
Remote clock offset: -1.137 ms

Below is generated by plot.py at 2018-02-16 19:15:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.17 Mbit/s
95th percentile per-packet one-way delay: 49.773 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 38.18 Mbit/s
95th percentile per-packet one-way delay: 46.981 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 32.16 Mbit/s
95th percentile per-packet one-way delay: 54.606 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 20.12 Mbit/s
95th percentile per-packet one-way delay: 31.184 ms
Loss rate: 1.04%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-02-16 11:58:31

End at: 2018-02-16 11:59:01

Local clock offset: 0.165 ms

Remote clock offset: -0.83 ms

Below is generated by plot.py at 2018-02-16 19:15:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.37 Mbit/s

95th percentile per-packet one-way delay: 57.791 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 39.01 Mbit/s

95th percentile per-packet one-way delay: 55.372 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 28.99 Mbit/s

95th percentile per-packet one-way delay: 57.788 ms

Loss rate: 0.54%

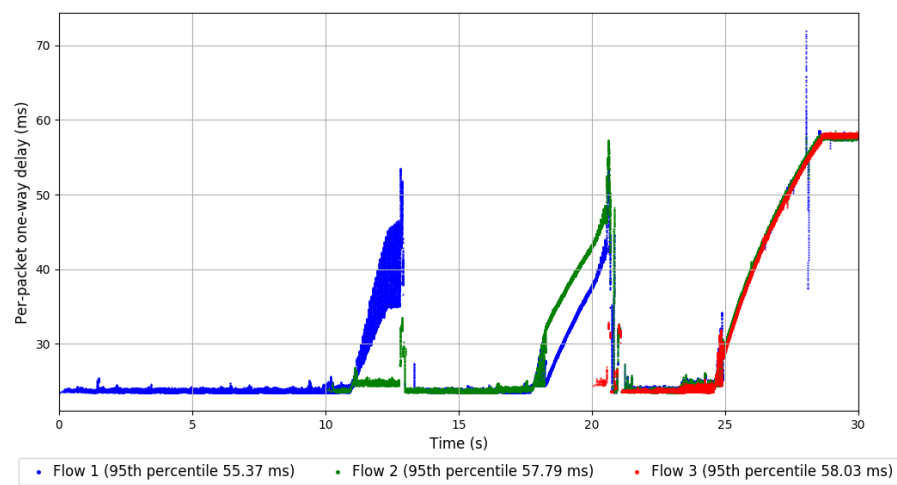
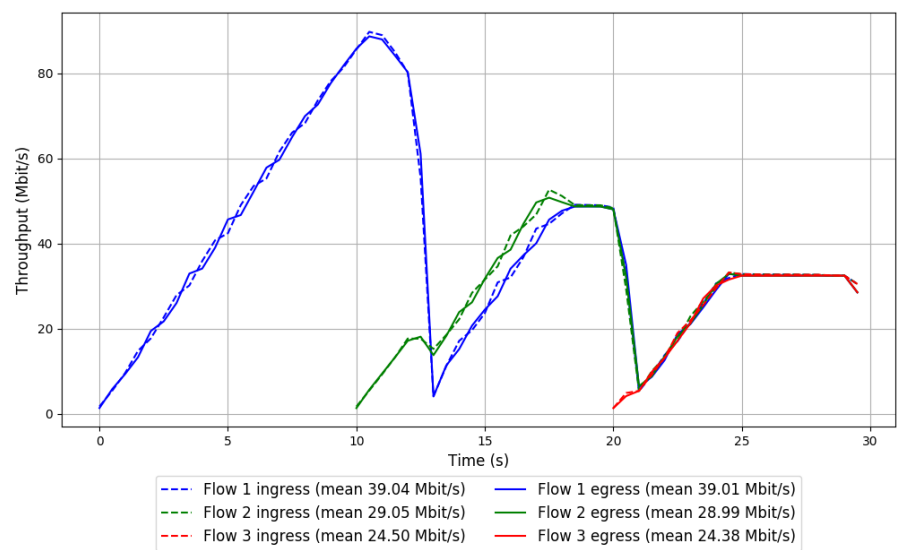
-- Flow 3:

Average throughput: 24.38 Mbit/s

95th percentile per-packet one-way delay: 58.031 ms

Loss rate: 1.19%

Run 4: Report of LEDBAT — Data Link

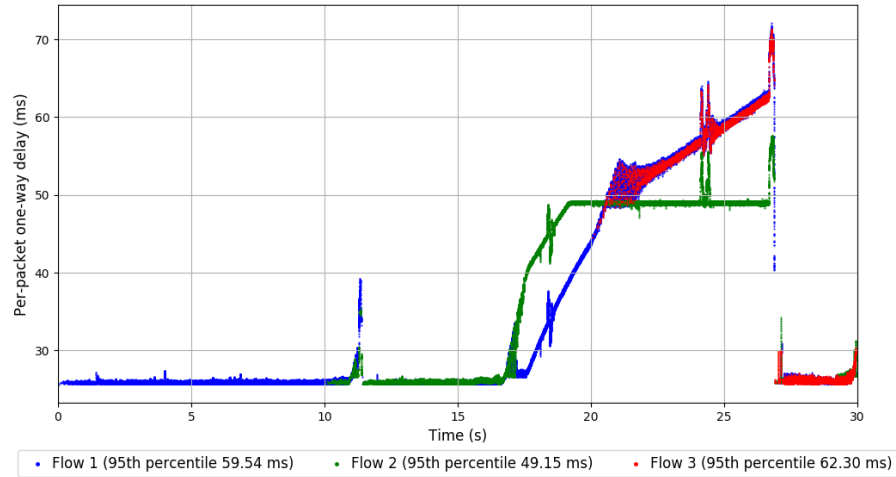
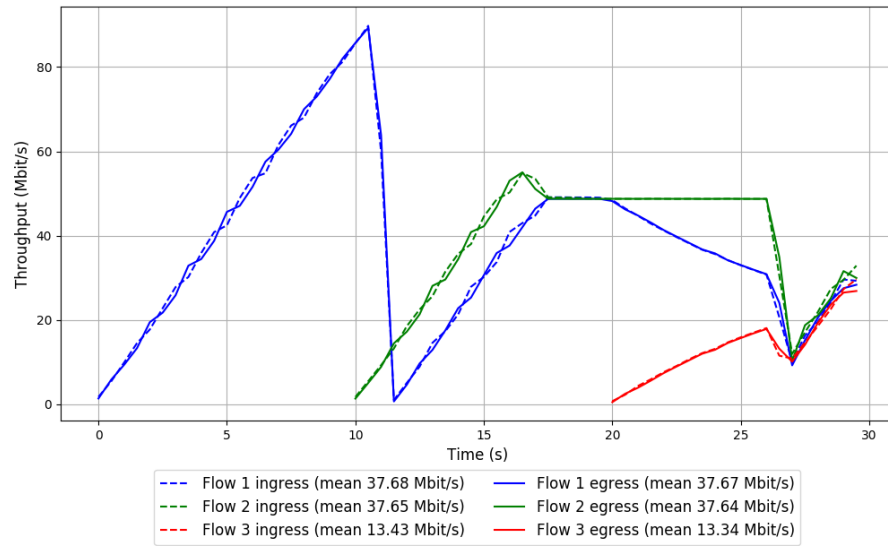


Run 5: Statistics of LEDBAT

Start at: 2018-02-16 12:23:06
End at: 2018-02-16 12:23:36
Local clock offset: 0.354 ms
Remote clock offset: -1.691 ms

Below is generated by plot.py at 2018-02-16 19:15:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.11 Mbit/s
95th percentile per-packet one-way delay: 58.918 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 37.67 Mbit/s
95th percentile per-packet one-way delay: 59.536 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 37.64 Mbit/s
95th percentile per-packet one-way delay: 49.146 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 62.297 ms
Loss rate: 1.40%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-02-16 12:47:55

End at: 2018-02-16 12:48:25

Local clock offset: 0.051 ms

Remote clock offset: 0.271 ms

Below is generated by plot.py at 2018-02-16 19:15:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.87 Mbit/s

95th percentile per-packet one-way delay: 32.950 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 24.54 Mbit/s

95th percentile per-packet one-way delay: 33.416 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 22.46 Mbit/s

95th percentile per-packet one-way delay: 32.255 ms

Loss rate: 0.23%

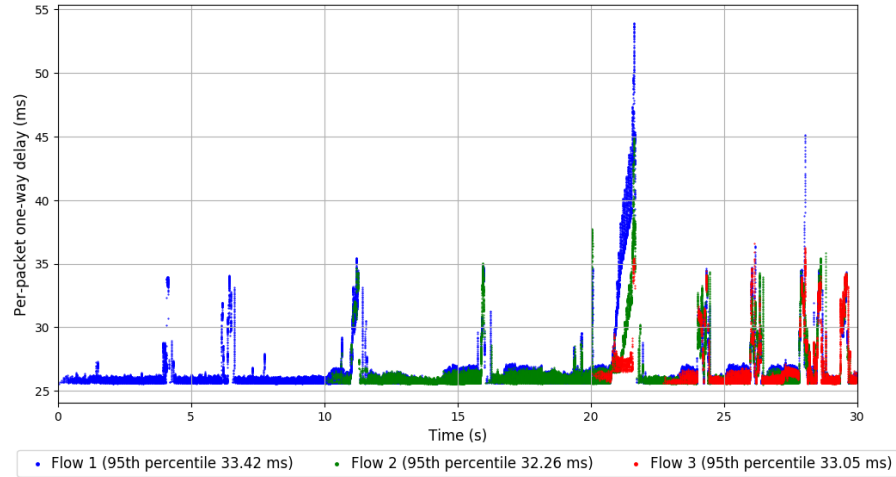
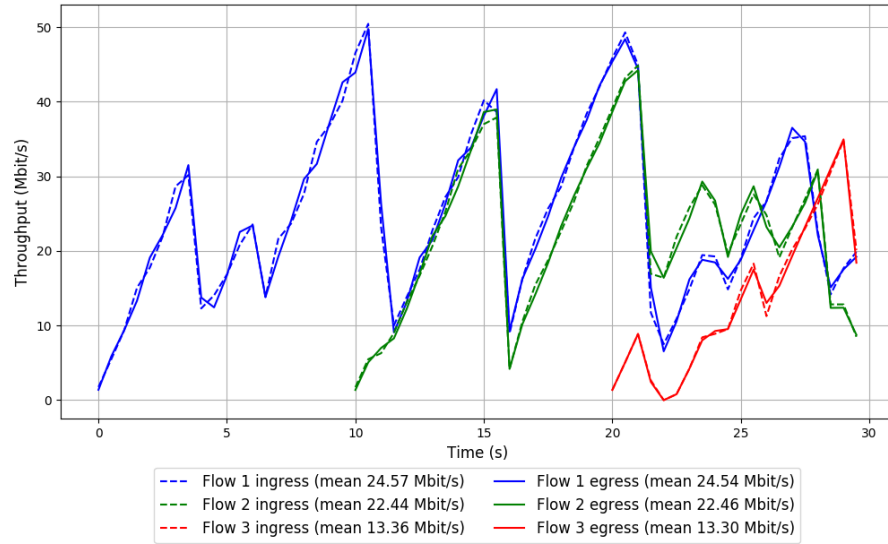
-- Flow 3:

Average throughput: 13.30 Mbit/s

95th percentile per-packet one-way delay: 33.048 ms

Loss rate: 1.04%

Run 6: Report of LEDBAT — Data Link

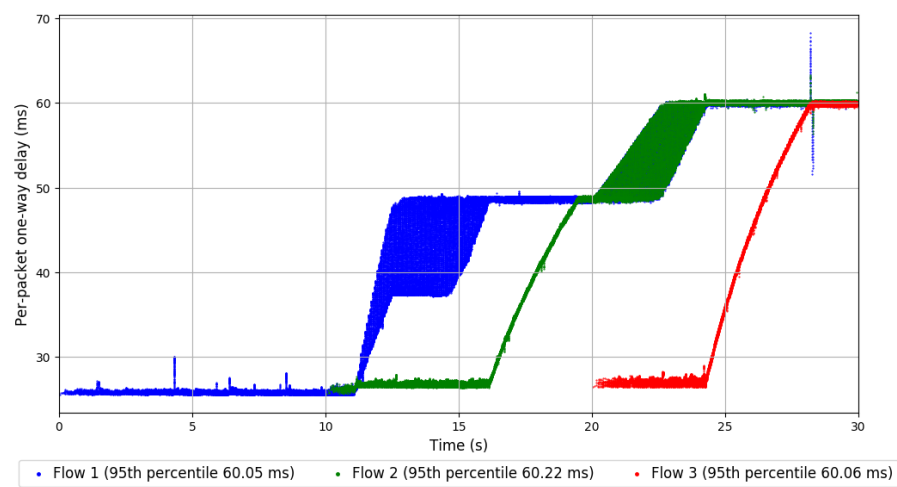
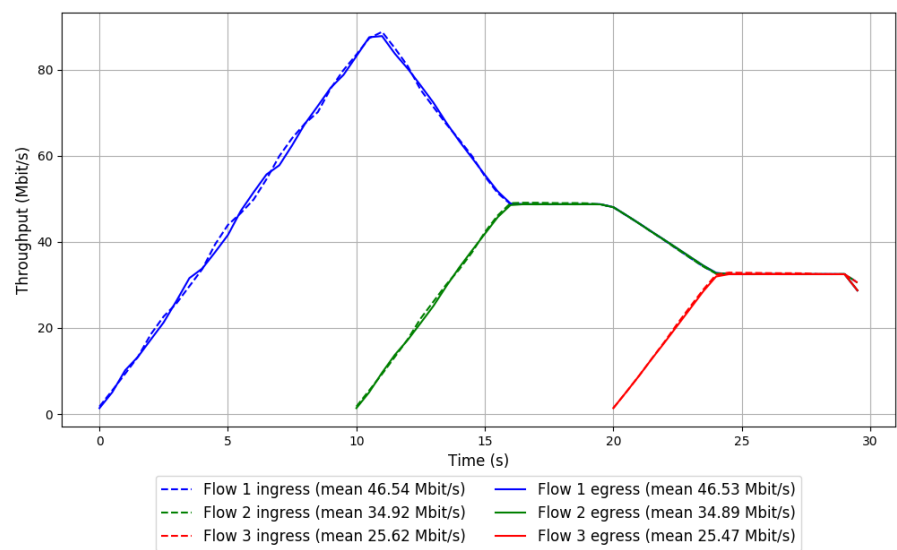


Run 7: Statistics of LEDBAT

Start at: 2018-02-16 13:12:29
End at: 2018-02-16 13:12:59
Local clock offset: -0.011 ms
Remote clock offset: -7.541 ms

Below is generated by plot.py at 2018-02-16 19:16:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.17 Mbit/s
95th percentile per-packet one-way delay: 60.121 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 46.53 Mbit/s
95th percentile per-packet one-way delay: 60.053 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 34.89 Mbit/s
95th percentile per-packet one-way delay: 60.224 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 25.47 Mbit/s
95th percentile per-packet one-way delay: 60.065 ms
Loss rate: 1.12%

Run 7: Report of LEDBAT — Data Link

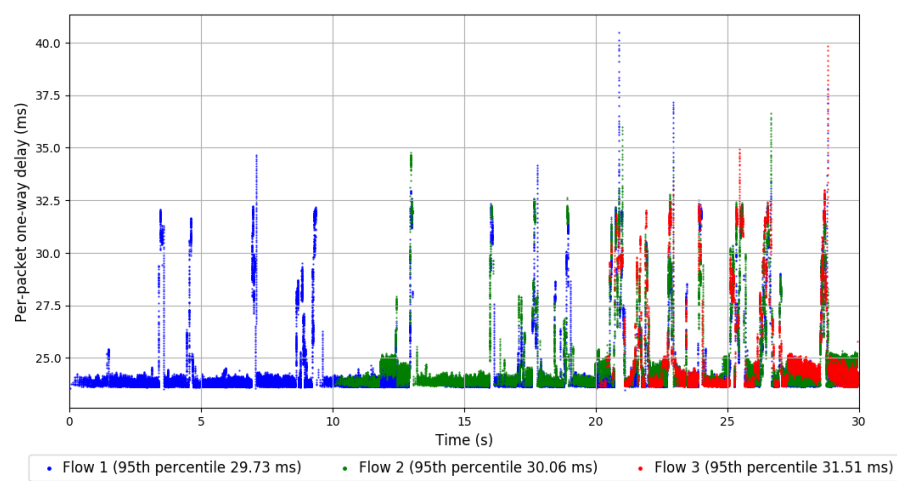
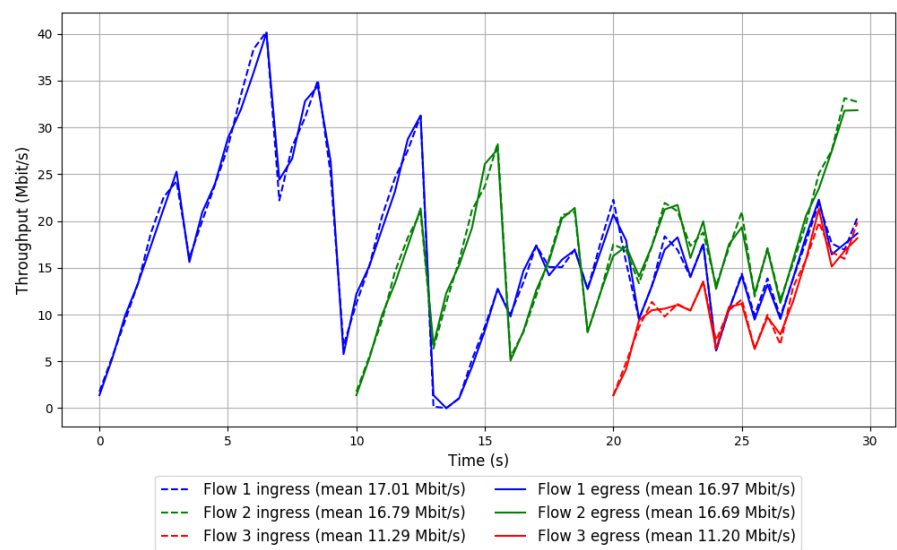


Run 8: Statistics of LEDBAT

Start at: 2018-02-16 13:37:12
End at: 2018-02-16 13:37:42
Local clock offset: -0.03 ms
Remote clock offset: -5.895 ms

Below is generated by plot.py at 2018-02-16 19:16:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 30.220 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 16.97 Mbit/s
95th percentile per-packet one-way delay: 29.726 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 16.69 Mbit/s
95th percentile per-packet one-way delay: 30.056 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 11.20 Mbit/s
95th percentile per-packet one-way delay: 31.513 ms
Loss rate: 1.25%

Run 8: Report of LEDBAT — Data Link

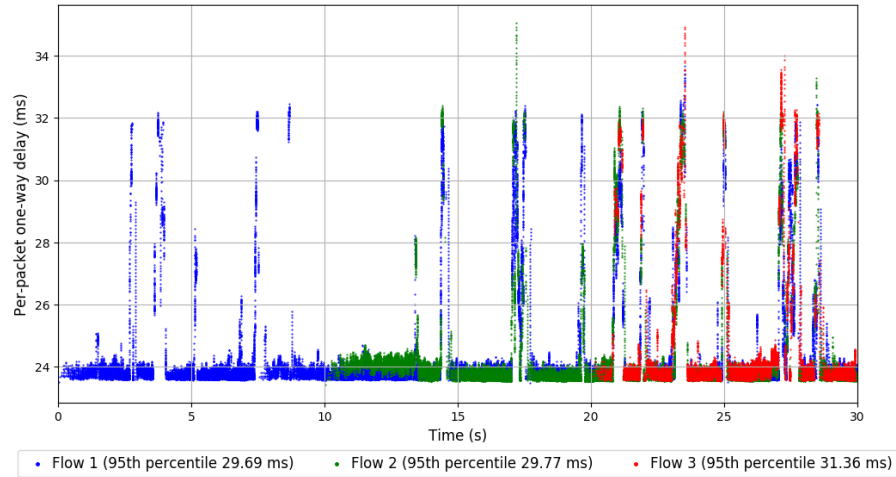
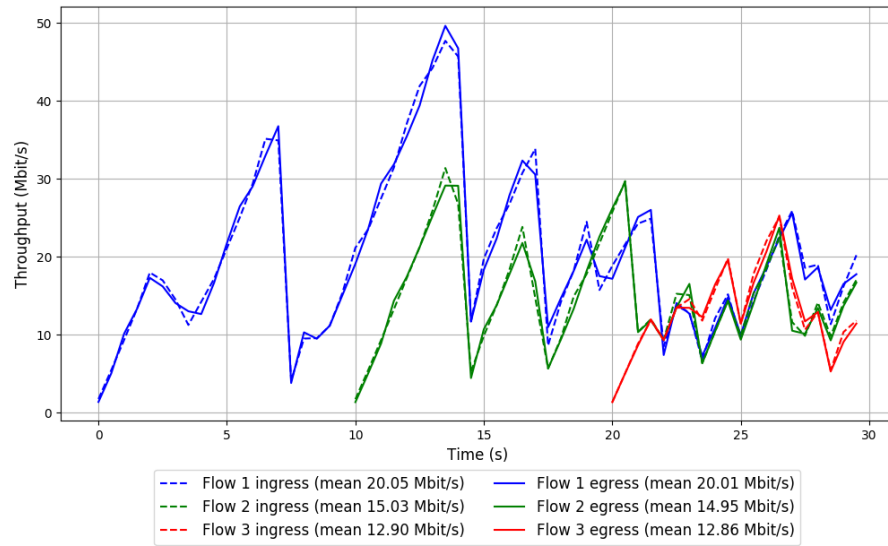


Run 9: Statistics of LEDBAT

Start at: 2018-02-16 14:02:00
End at: 2018-02-16 14:02:30
Local clock offset: 0.247 ms
Remote clock offset: -5.967 ms

Below is generated by plot.py at 2018-02-16 19:16:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.18 Mbit/s
95th percentile per-packet one-way delay: 29.943 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 20.01 Mbit/s
95th percentile per-packet one-way delay: 29.688 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 14.95 Mbit/s
95th percentile per-packet one-way delay: 29.766 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 12.86 Mbit/s
95th percentile per-packet one-way delay: 31.355 ms
Loss rate: 0.90%

Run 9: Report of LEDBAT — Data Link

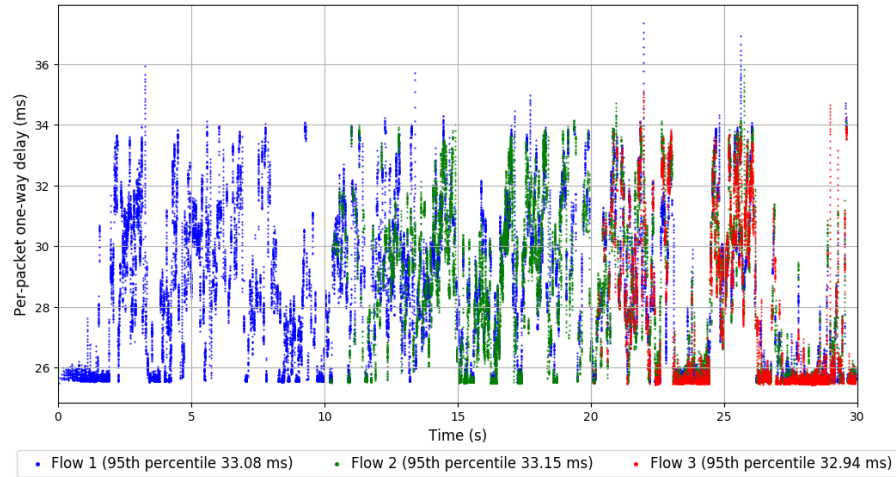
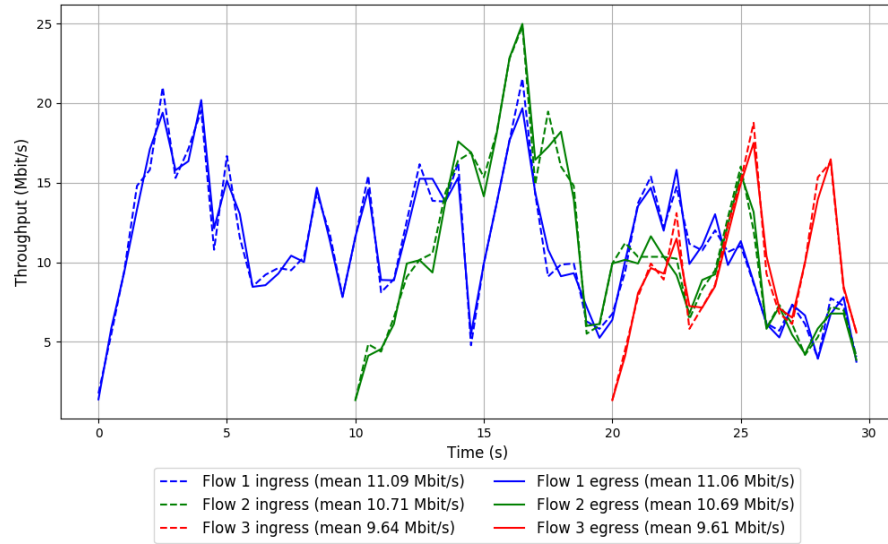


Run 10: Statistics of LEDBAT

Start at: 2018-02-16 14:27:26
End at: 2018-02-16 14:27:56
Local clock offset: 0.229 ms
Remote clock offset: -8.371 ms

Below is generated by plot.py at 2018-02-16 19:16:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.33 Mbit/s
95th percentile per-packet one-way delay: 33.085 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 11.06 Mbit/s
95th percentile per-packet one-way delay: 33.075 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 10.69 Mbit/s
95th percentile per-packet one-way delay: 33.153 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 9.61 Mbit/s
95th percentile per-packet one-way delay: 32.941 ms
Loss rate: 0.87%

Run 10: Report of LEDBAT — Data Link

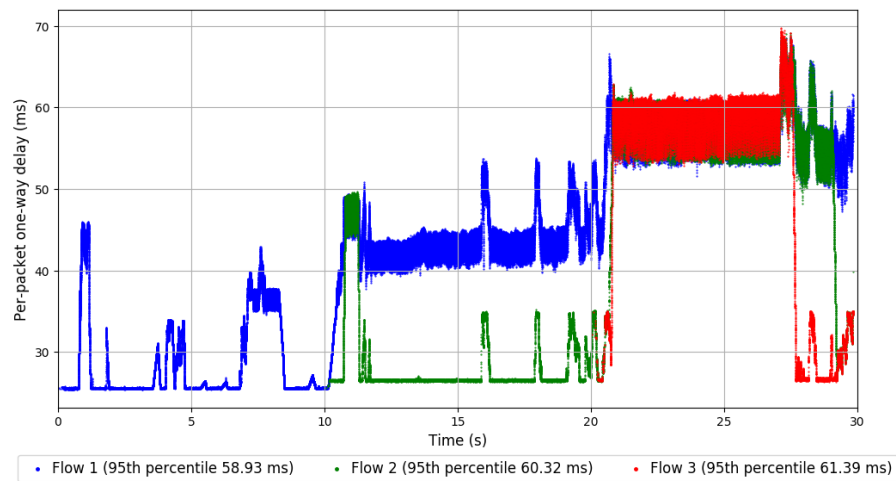
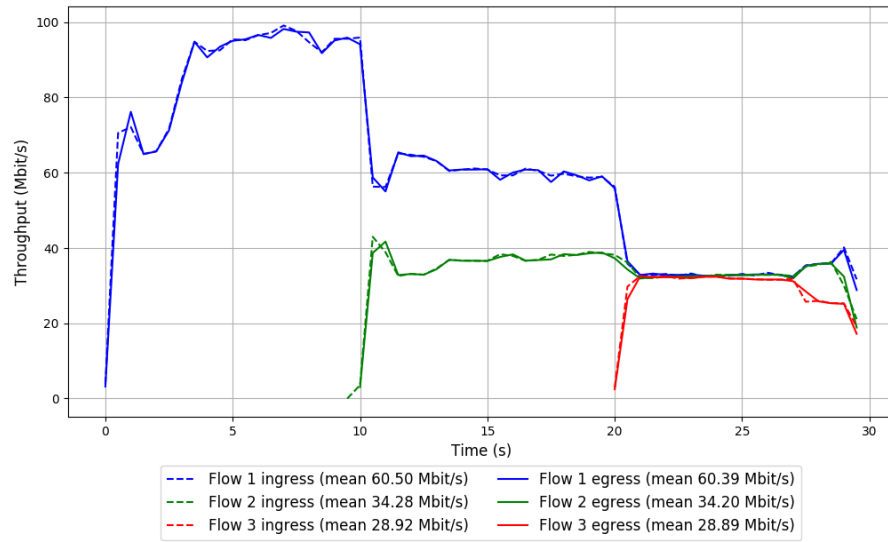


Run 1: Statistics of PCC

Start at: 2018-02-16 10:47:10
End at: 2018-02-16 10:47:40
Local clock offset: 0.136 ms
Remote clock offset: -5.035 ms

Below is generated by plot.py at 2018-02-16 19:16:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.63 Mbit/s
95th percentile per-packet one-way delay: 60.116 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 60.39 Mbit/s
95th percentile per-packet one-way delay: 58.928 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 34.20 Mbit/s
95th percentile per-packet one-way delay: 60.323 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 28.89 Mbit/s
95th percentile per-packet one-way delay: 61.394 ms
Loss rate: 0.70%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-02-16 11:11:46

End at: 2018-02-16 11:12:16

Local clock offset: 0.232 ms

Remote clock offset: -1.17 ms

Below is generated by plot.py at 2018-02-16 19:16:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.57 Mbit/s

95th percentile per-packet one-way delay: 49.947 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 69.08 Mbit/s

95th percentile per-packet one-way delay: 49.999 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 9.95 Mbit/s

95th percentile per-packet one-way delay: 51.048 ms

Loss rate: 0.54%

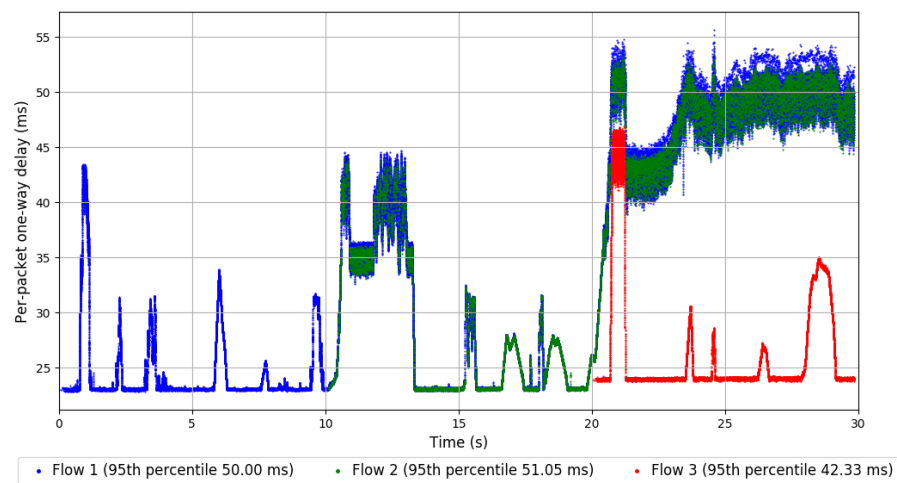
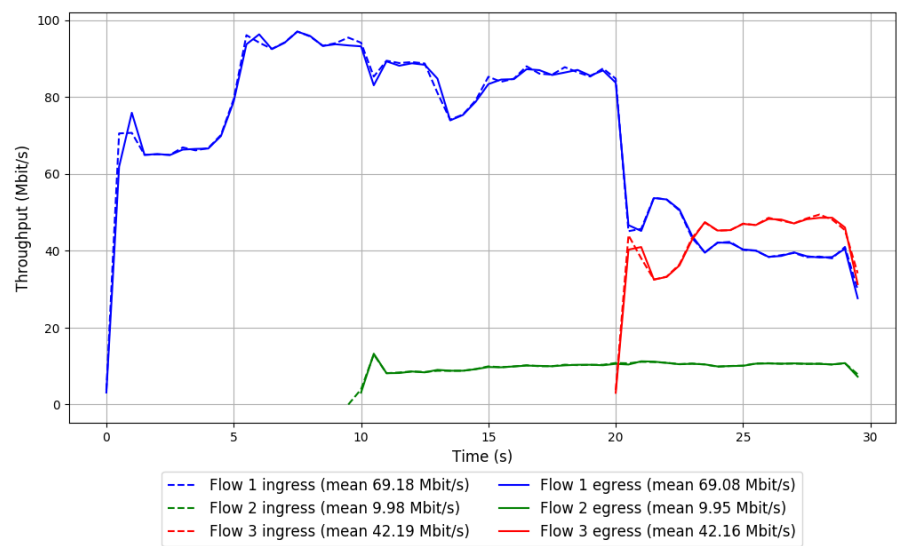
-- Flow 3:

Average throughput: 42.16 Mbit/s

95th percentile per-packet one-way delay: 42.329 ms

Loss rate: 0.60%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-02-16 11:36:41

End at: 2018-02-16 11:37:11

Local clock offset: 0.125 ms

Remote clock offset: -0.43 ms

Below is generated by plot.py at 2018-02-16 19:17:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.05 Mbit/s

95th percentile per-packet one-way delay: 65.552 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 59.15 Mbit/s

95th percentile per-packet one-way delay: 64.671 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 30.55 Mbit/s

95th percentile per-packet one-way delay: 67.708 ms

Loss rate: 0.54%

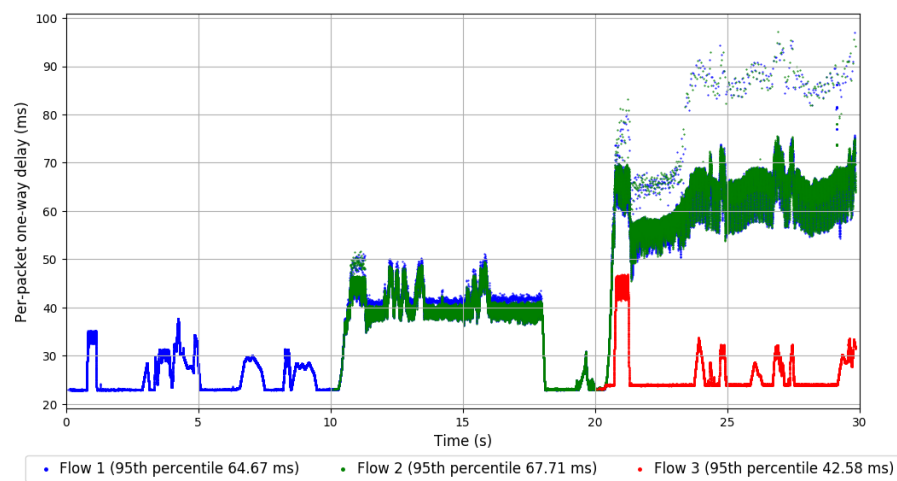
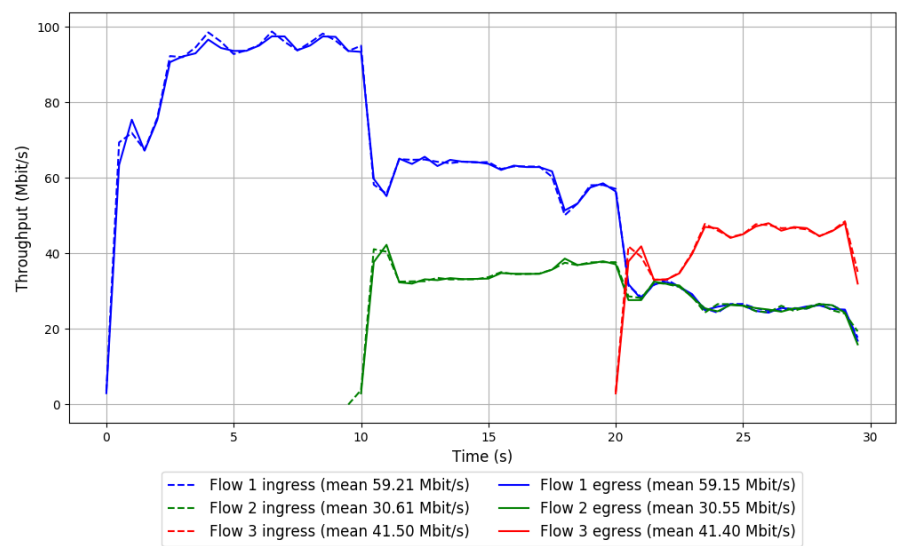
-- Flow 3:

Average throughput: 41.40 Mbit/s

95th percentile per-packet one-way delay: 42.577 ms

Loss rate: 0.79%

Run 3: Report of PCC — Data Link

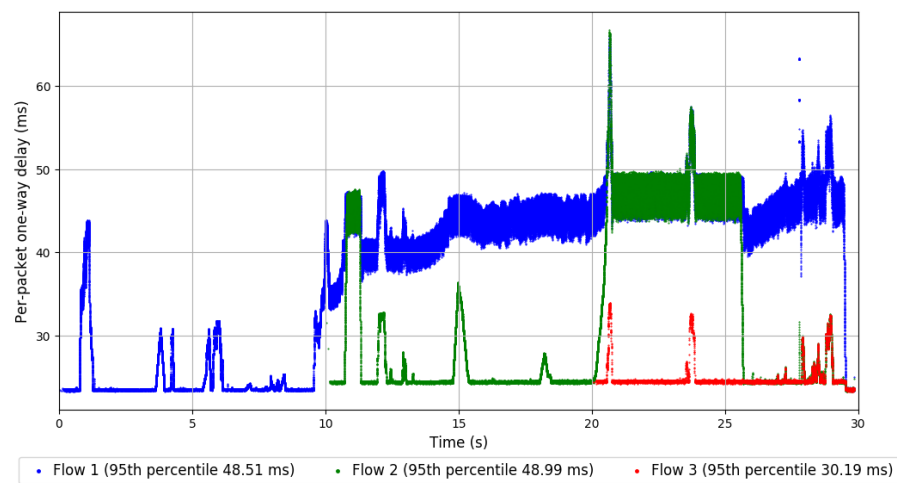
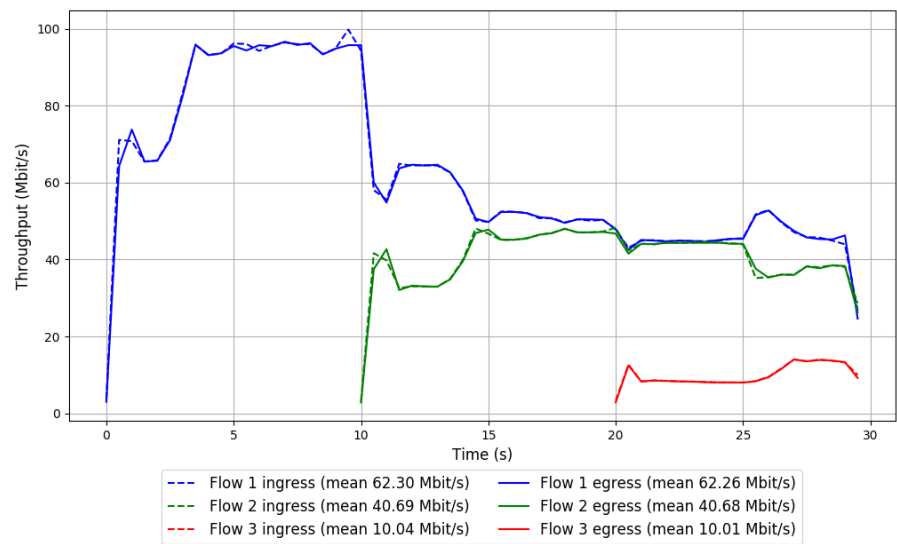


Run 4: Statistics of PCC

Start at: 2018-02-16 12:01:15
End at: 2018-02-16 12:01:45
Local clock offset: 0.143 ms
Remote clock offset: -0.938 ms

Below is generated by plot.py at 2018-02-16 19:17:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.57 Mbit/s
95th percentile per-packet one-way delay: 48.659 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 62.26 Mbit/s
95th percentile per-packet one-way delay: 48.507 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 40.68 Mbit/s
95th percentile per-packet one-way delay: 48.991 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 10.01 Mbit/s
95th percentile per-packet one-way delay: 30.192 ms
Loss rate: 0.85%

Run 4: Report of PCC — Data Link

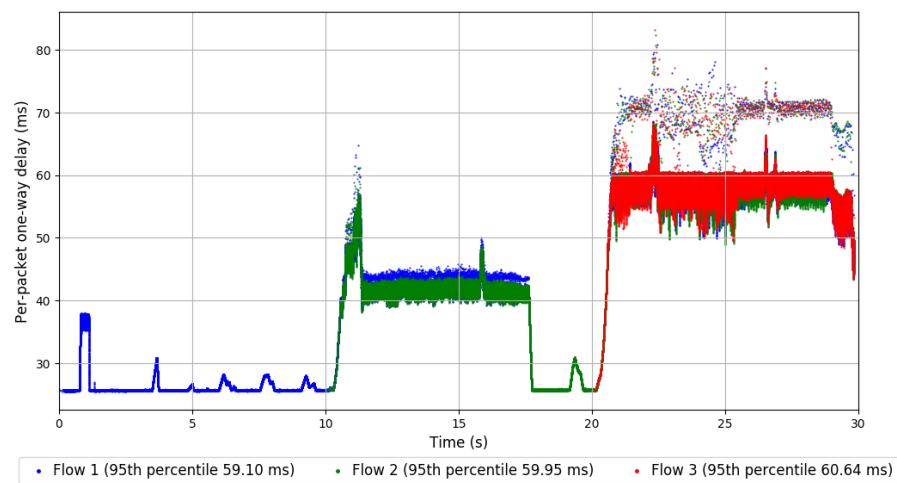
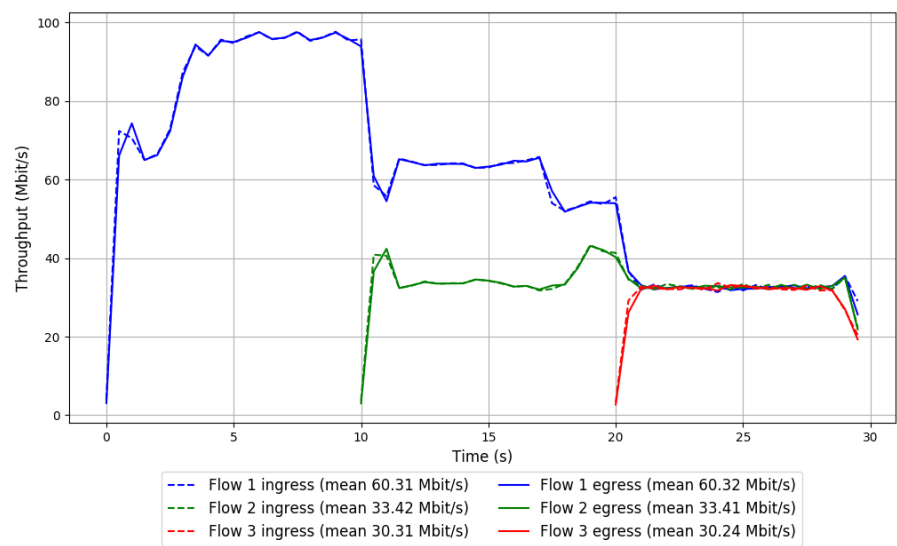


Run 5: Statistics of PCC

Start at: 2018-02-16 12:25:50
End at: 2018-02-16 12:26:20
Local clock offset: 0.241 ms
Remote clock offset: -1.414 ms

Below is generated by plot.py at 2018-02-16 19:17:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: 59.783 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 60.32 Mbit/s
95th percentile per-packet one-way delay: 59.099 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 33.41 Mbit/s
95th percentile per-packet one-way delay: 59.954 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 30.24 Mbit/s
95th percentile per-packet one-way delay: 60.641 ms
Loss rate: 0.74%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-02-16 12:50:37

End at: 2018-02-16 12:51:07

Local clock offset: -0.014 ms

Remote clock offset: 2.847 ms

Below is generated by plot.py at 2018-02-16 19:17:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.52 Mbit/s

95th percentile per-packet one-way delay: 47.891 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 59.49 Mbit/s

95th percentile per-packet one-way delay: 48.553 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 43.01 Mbit/s

95th percentile per-packet one-way delay: 45.267 ms

Loss rate: 0.62%

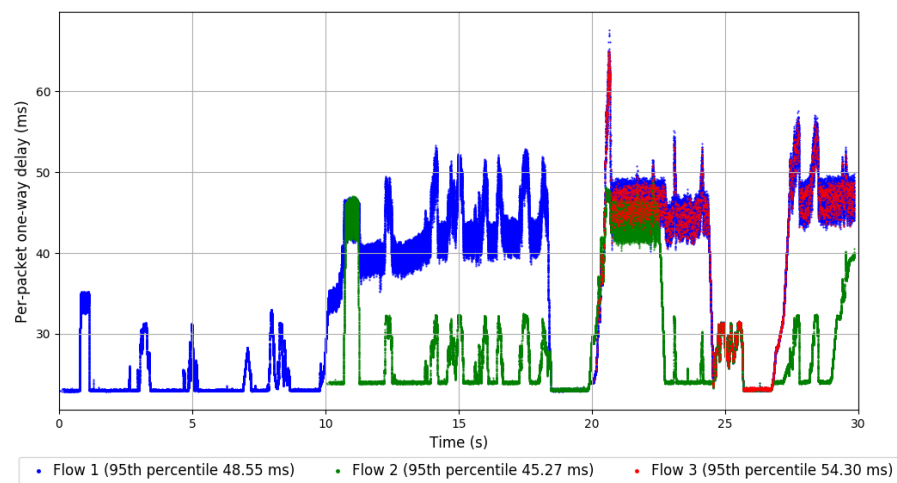
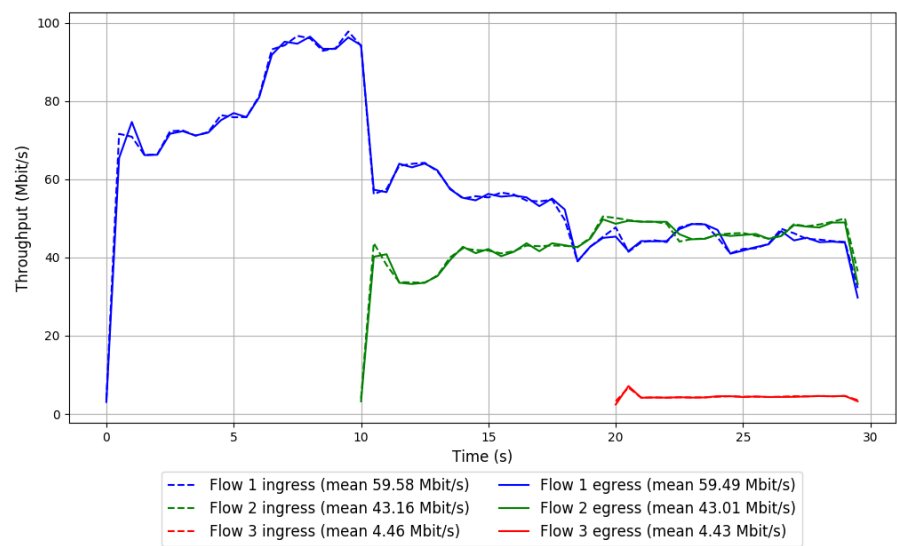
-- Flow 3:

Average throughput: 4.43 Mbit/s

95th percentile per-packet one-way delay: 54.301 ms

Loss rate: 1.15%

Run 6: Report of PCC — Data Link

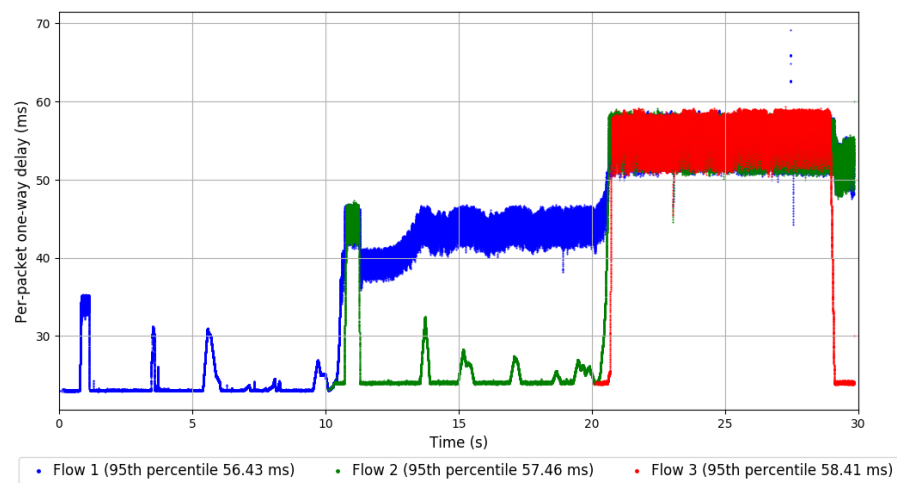
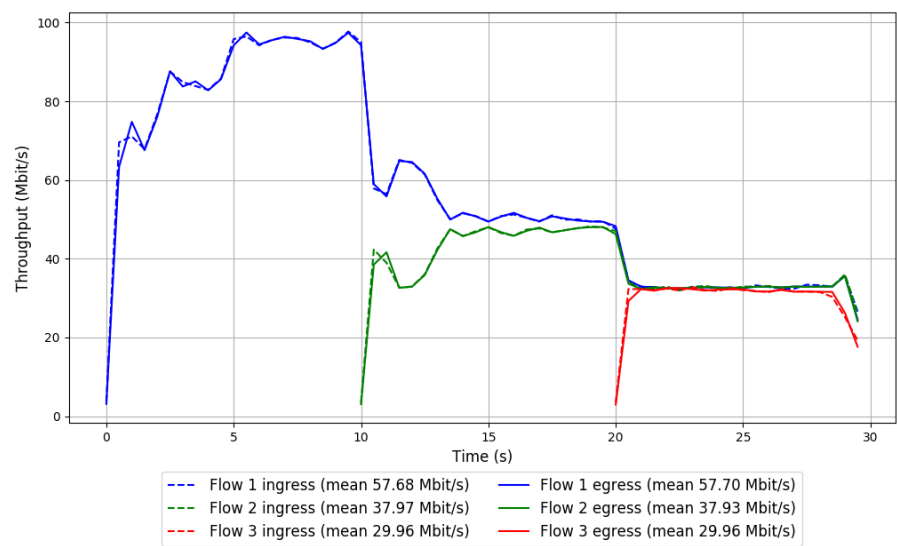


Run 7: Statistics of PCC

Start at: 2018-02-16 13:15:15
End at: 2018-02-16 13:15:45
Local clock offset: -0.002 ms
Remote clock offset: -5.316 ms

Below is generated by plot.py at 2018-02-16 19:17:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.75 Mbit/s
95th percentile per-packet one-way delay: 57.414 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 57.70 Mbit/s
95th percentile per-packet one-way delay: 56.431 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 37.93 Mbit/s
95th percentile per-packet one-way delay: 57.461 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 29.96 Mbit/s
95th percentile per-packet one-way delay: 58.406 ms
Loss rate: 0.48%

Run 7: Report of PCC — Data Link

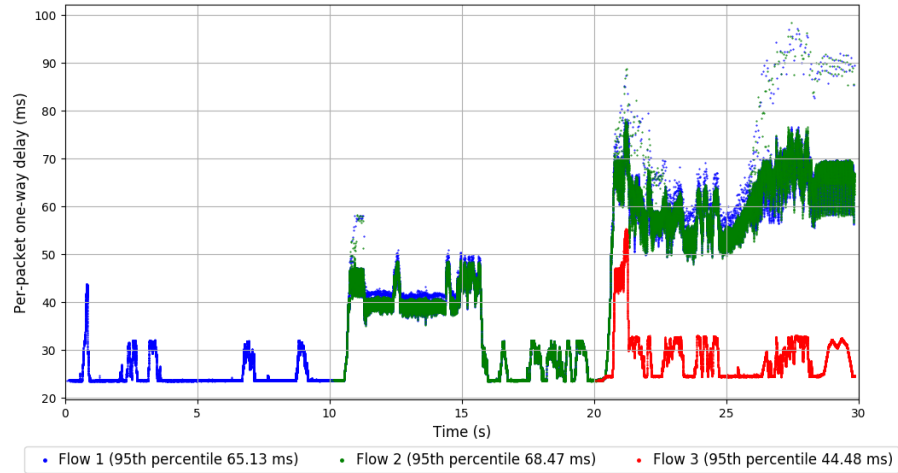
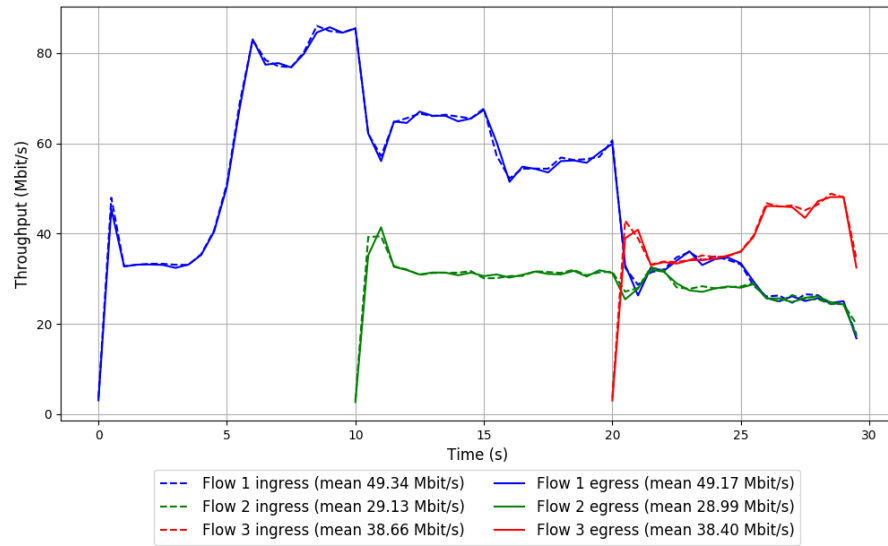


Run 8: Statistics of PCC

Start at: 2018-02-16 13:39:56
End at: 2018-02-16 13:40:26
Local clock offset: -0.044 ms
Remote clock offset: -5.828 ms

Below is generated by plot.py at 2018-02-16 19:17:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.06 Mbit/s
95th percentile per-packet one-way delay: 66.063 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 49.17 Mbit/s
95th percentile per-packet one-way delay: 65.133 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 28.99 Mbit/s
95th percentile per-packet one-way delay: 68.466 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 38.40 Mbit/s
95th percentile per-packet one-way delay: 44.479 ms
Loss rate: 1.23%

Run 8: Report of PCC — Data Link

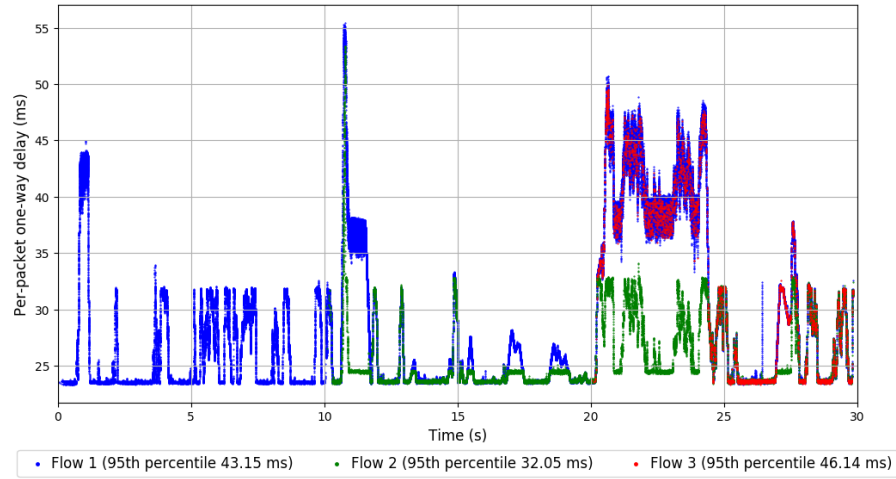
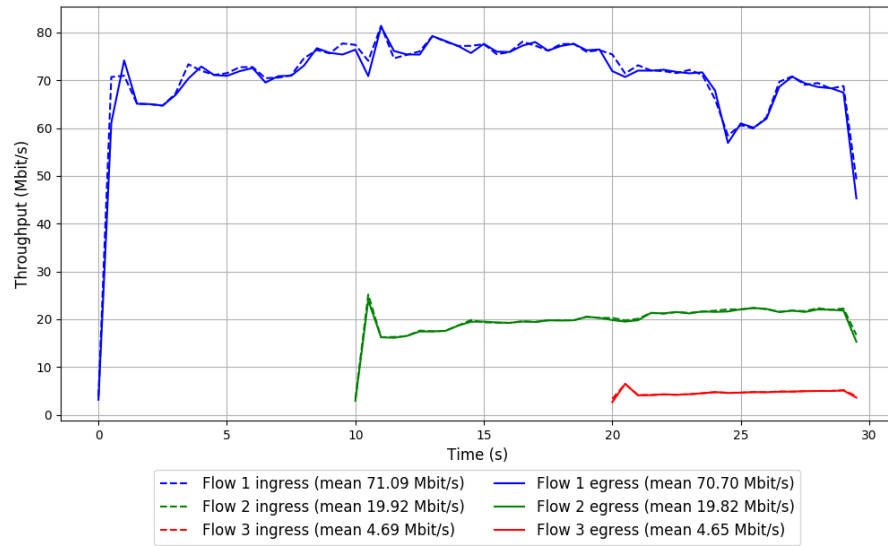


Run 9: Statistics of PCC

Start at: 2018-02-16 14:04:50
End at: 2018-02-16 14:05:20
Local clock offset: 0.358 ms
Remote clock offset: -5.849 ms

Below is generated by plot.py at 2018-02-16 19:18:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.39 Mbit/s
95th percentile per-packet one-way delay: 42.752 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 70.70 Mbit/s
95th percentile per-packet one-way delay: 43.145 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 19.82 Mbit/s
95th percentile per-packet one-way delay: 32.055 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 4.65 Mbit/s
95th percentile per-packet one-way delay: 46.142 ms
Loss rate: 1.36%

Run 9: Report of PCC — Data Link

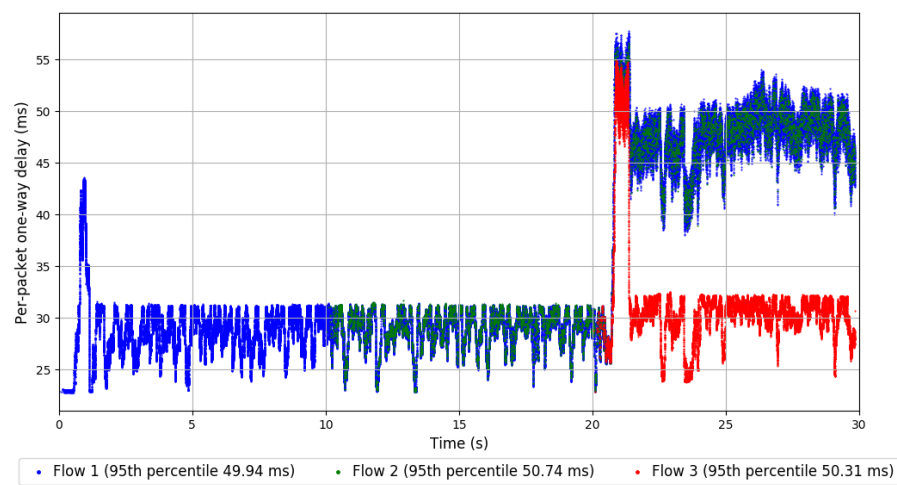
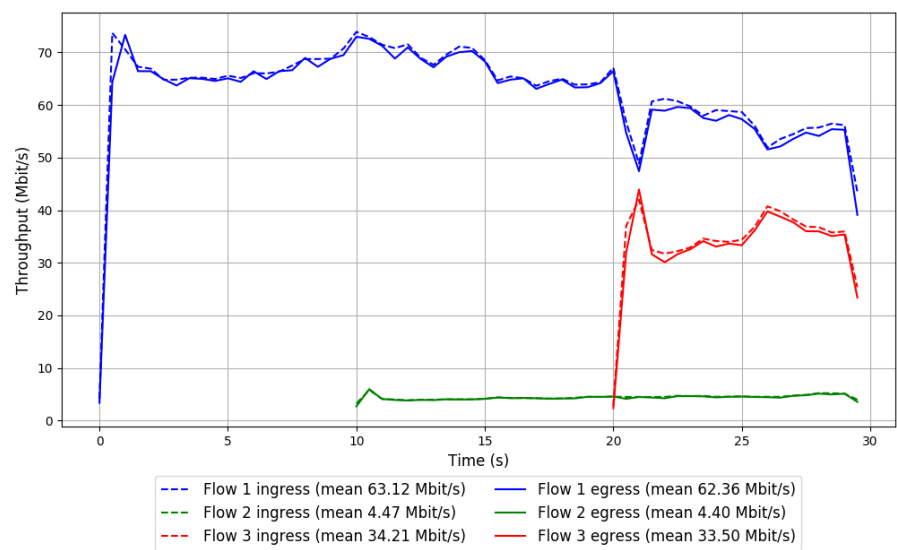


Run 10: Statistics of PCC

Start at: 2018-02-16 14:30:24
End at: 2018-02-16 14:30:54
Local clock offset: 0.188 ms
Remote clock offset: -5.993 ms

Below is generated by plot.py at 2018-02-16 19:18:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.29 Mbit/s
95th percentile per-packet one-way delay: 50.012 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 62.36 Mbit/s
95th percentile per-packet one-way delay: 49.942 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 50.739 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 33.50 Mbit/s
95th percentile per-packet one-way delay: 50.308 ms
Loss rate: 2.66%

Run 10: Report of PCC — Data Link

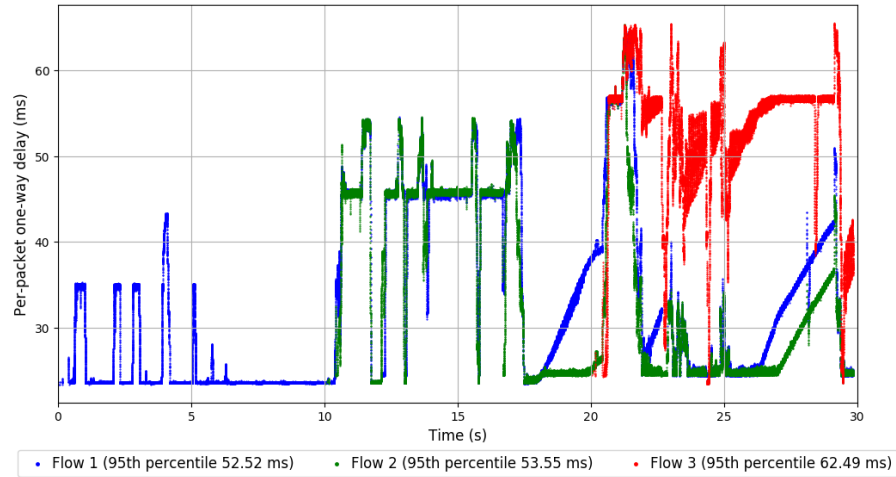
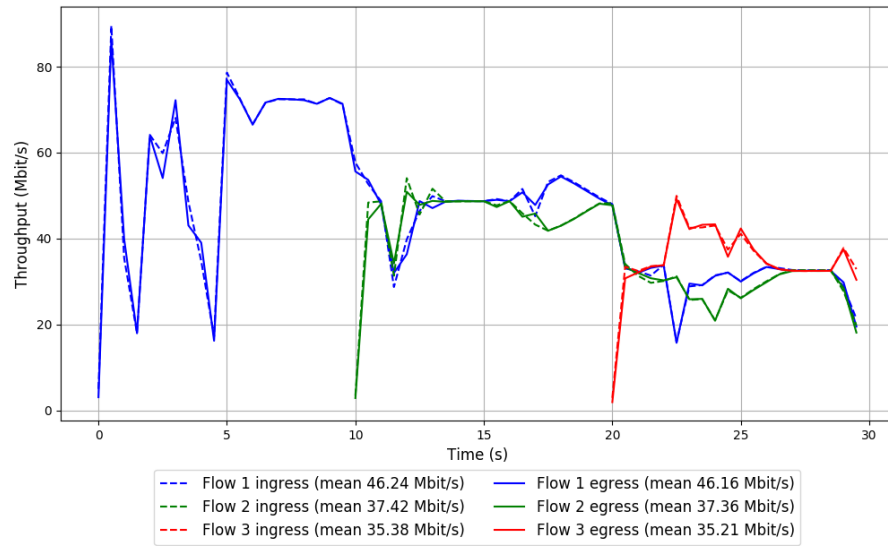


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-16 10:36:16
End at: 2018-02-16 10:36:46
Local clock offset: 0.194 ms
Remote clock offset: -2.887 ms

Below is generated by plot.py at 2018-02-16 19:18:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.54 Mbit/s
95th percentile per-packet one-way delay: 56.712 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 46.16 Mbit/s
95th percentile per-packet one-way delay: 52.518 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 37.36 Mbit/s
95th percentile per-packet one-way delay: 53.555 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 35.21 Mbit/s
95th percentile per-packet one-way delay: 62.486 ms
Loss rate: 1.02%

Run 1: Report of QUIC Cubic — Data Link

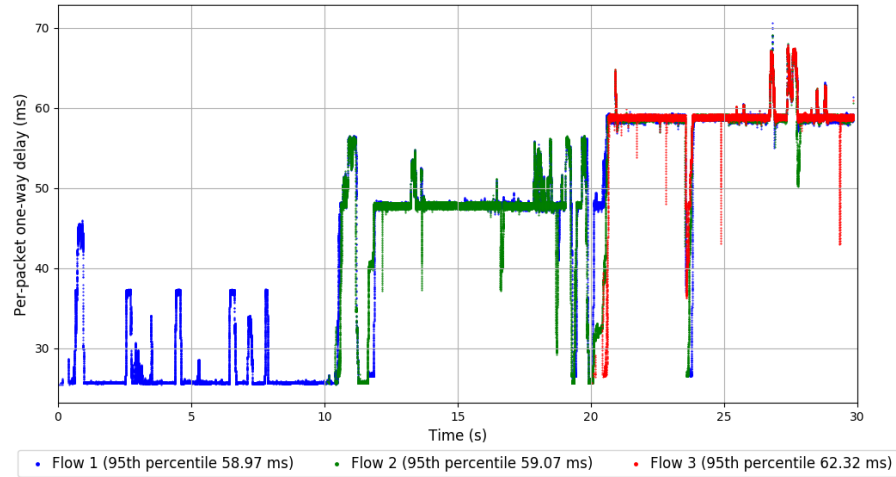
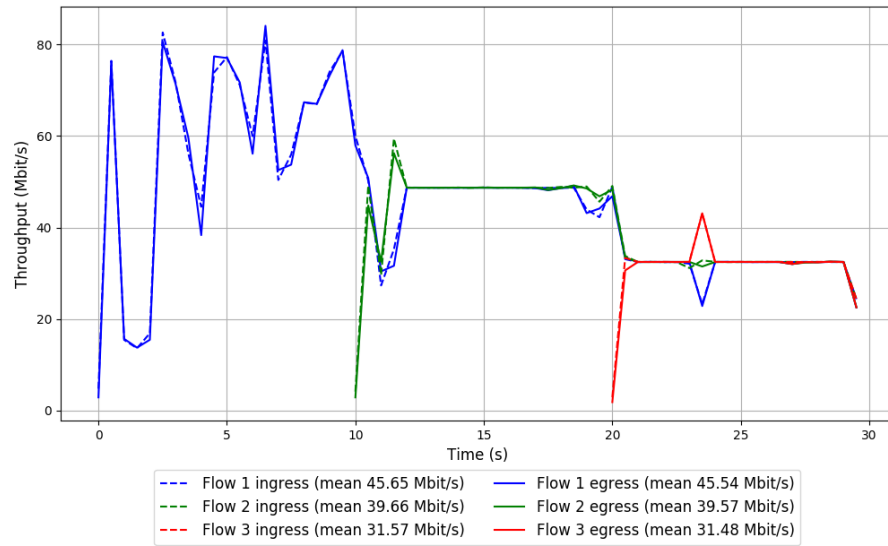


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-16 11:00:49
End at: 2018-02-16 11:01:19
Local clock offset: 0.212 ms
Remote clock offset: -4.228 ms

Below is generated by plot.py at 2018-02-16 19:18:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.17 Mbit/s
95th percentile per-packet one-way delay: 59.084 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 45.54 Mbit/s
95th percentile per-packet one-way delay: 58.970 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 59.074 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: 62.316 ms
Loss rate: 0.98%

Run 2: Report of QUIC Cubic — Data Link

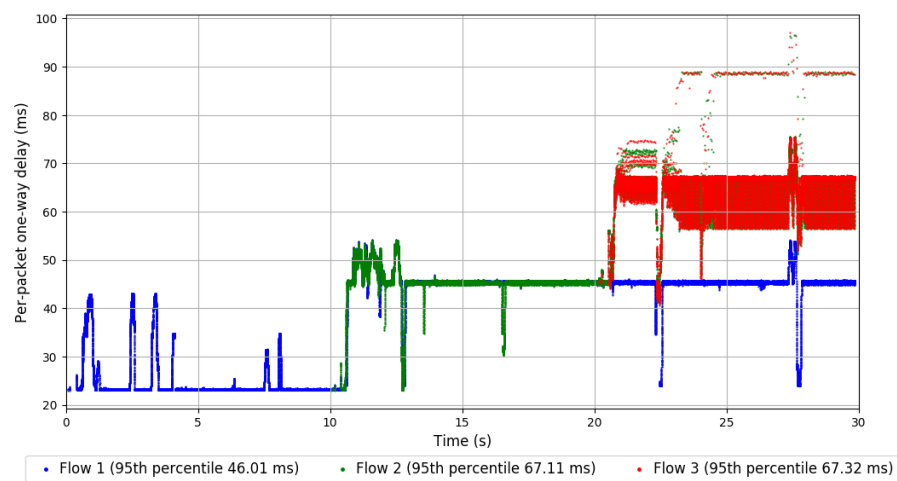
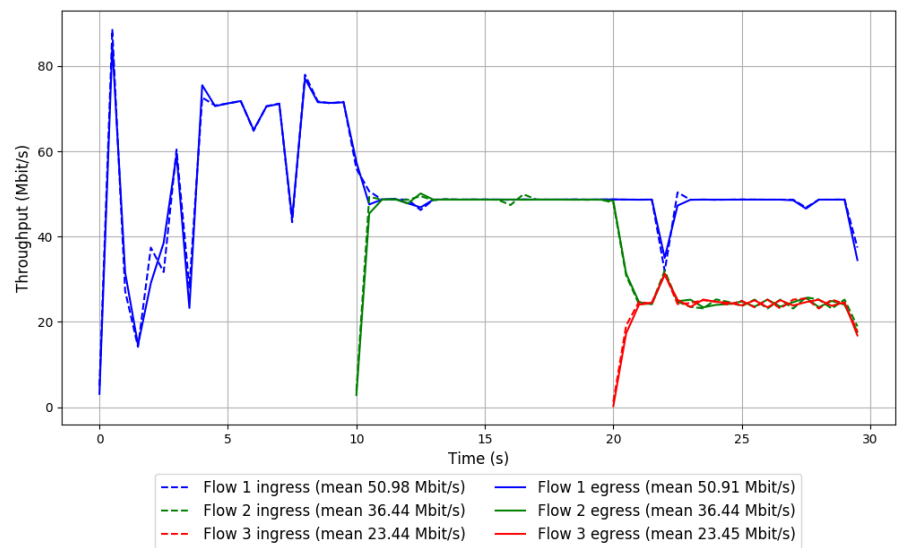


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-16 11:25:37
End at: 2018-02-16 11:26:07
Local clock offset: 0.219 ms
Remote clock offset: -1.068 ms

Below is generated by plot.py at 2018-02-16 19:18:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.78 Mbit/s
95th percentile per-packet one-way delay: 66.955 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 50.91 Mbit/s
95th percentile per-packet one-way delay: 46.009 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 36.44 Mbit/s
95th percentile per-packet one-way delay: 67.107 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 67.320 ms
Loss rate: 0.96%

Run 3: Report of QUIC Cubic — Data Link

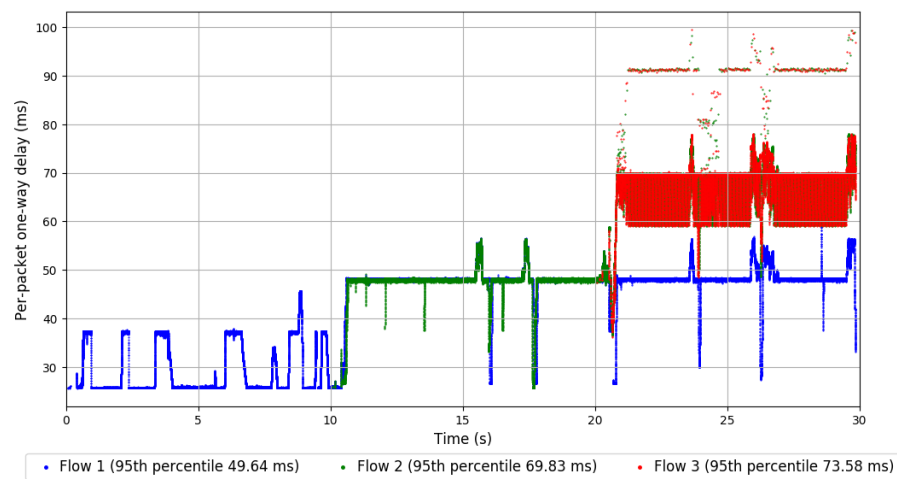
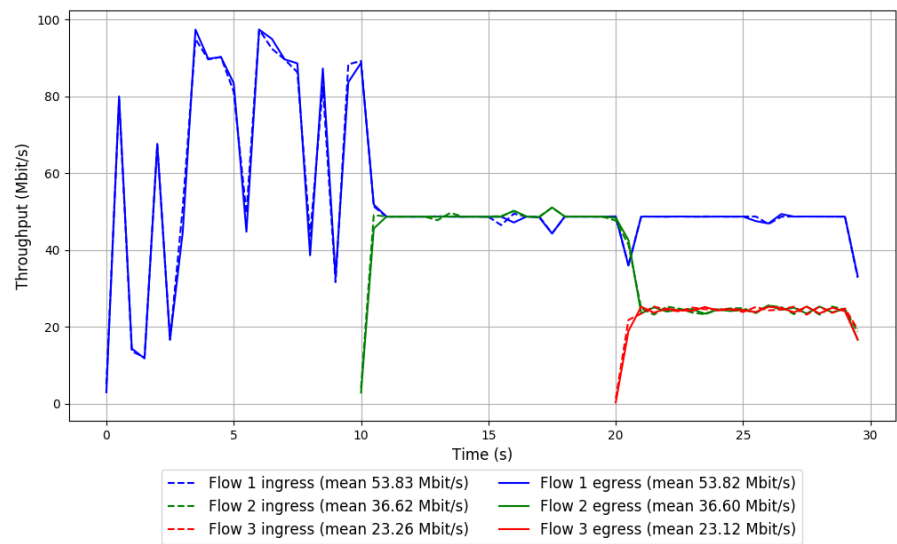


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-16 11:50:18
End at: 2018-02-16 11:50:48
Local clock offset: 0.175 ms
Remote clock offset: -2.969 ms

Below is generated by plot.py at 2018-02-16 19:18:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.68 Mbit/s
95th percentile per-packet one-way delay: 69.637 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 53.82 Mbit/s
95th percentile per-packet one-way delay: 49.643 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 36.60 Mbit/s
95th percentile per-packet one-way delay: 69.826 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 23.12 Mbit/s
95th percentile per-packet one-way delay: 73.583 ms
Loss rate: 1.39%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-02-16 12:14:53

End at: 2018-02-16 12:15:23

Local clock offset: 0.304 ms

Remote clock offset: -0.83 ms

Below is generated by plot.py at 2018-02-16 19:18:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.74 Mbit/s

95th percentile per-packet one-way delay: 67.482 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 45.28 Mbit/s

95th percentile per-packet one-way delay: 67.456 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 36.57 Mbit/s

95th percentile per-packet one-way delay: 67.626 ms

Loss rate: 0.36%

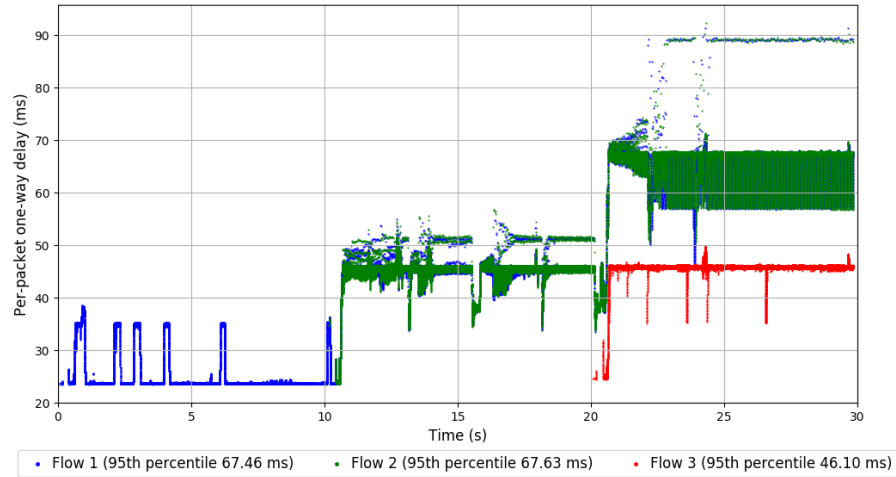
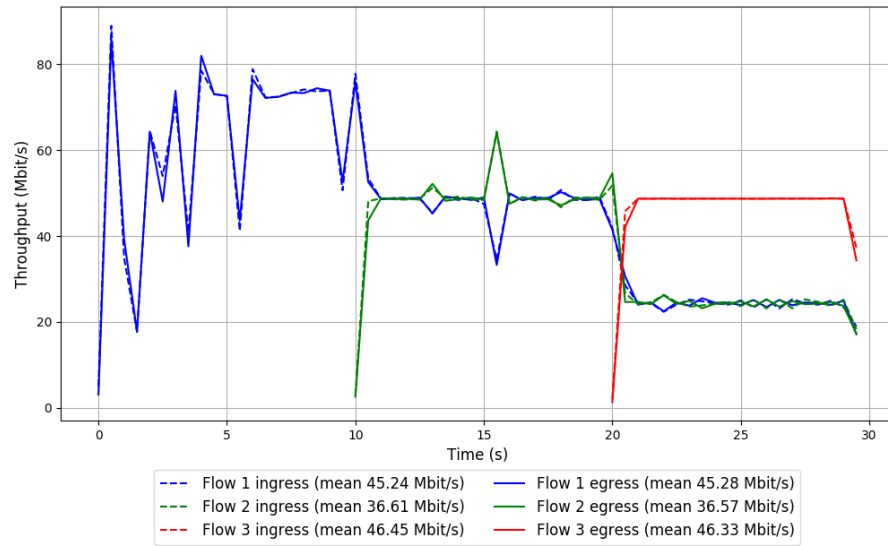
-- Flow 3:

Average throughput: 46.33 Mbit/s

95th percentile per-packet one-way delay: 46.104 ms

Loss rate: 0.81%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-02-16 12:39:33

End at: 2018-02-16 12:40:03

Local clock offset: 0.074 ms

Remote clock offset: 2.015 ms

Below is generated by plot.py at 2018-02-16 19:19:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.13 Mbit/s

95th percentile per-packet one-way delay: 56.949 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 47.75 Mbit/s

95th percentile per-packet one-way delay: 56.748 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 39.38 Mbit/s

95th percentile per-packet one-way delay: 57.040 ms

Loss rate: 0.41%

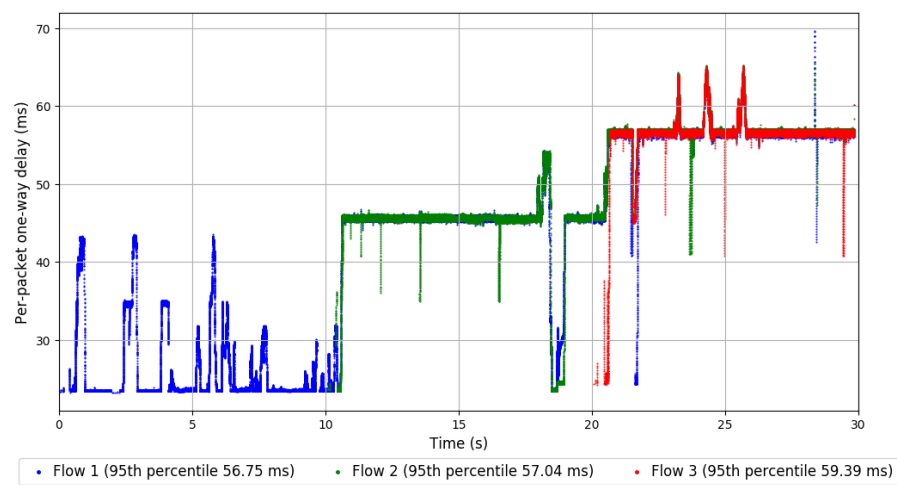
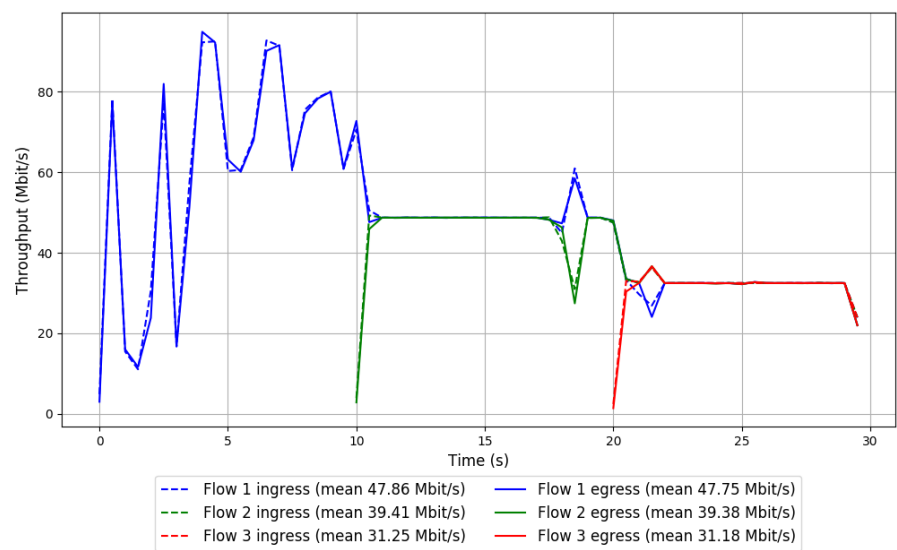
-- Flow 3:

Average throughput: 31.18 Mbit/s

95th percentile per-packet one-way delay: 59.390 ms

Loss rate: 0.93%

Run 6: Report of QUIC Cubic — Data Link

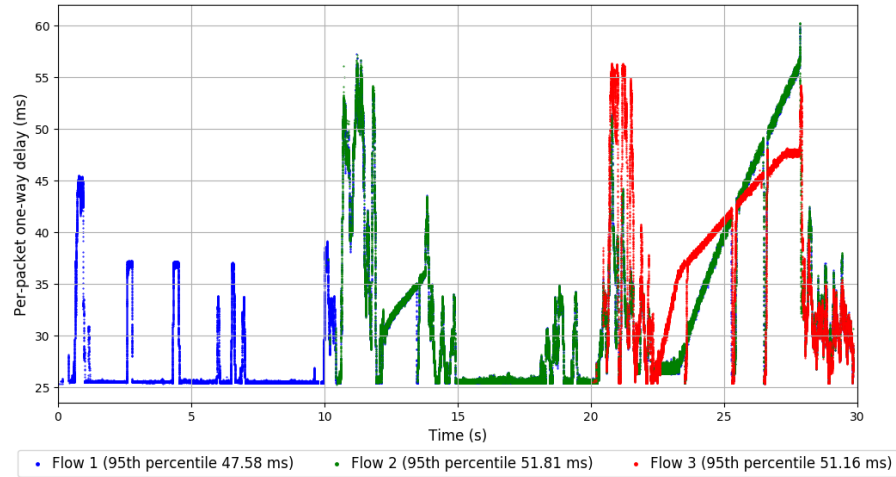
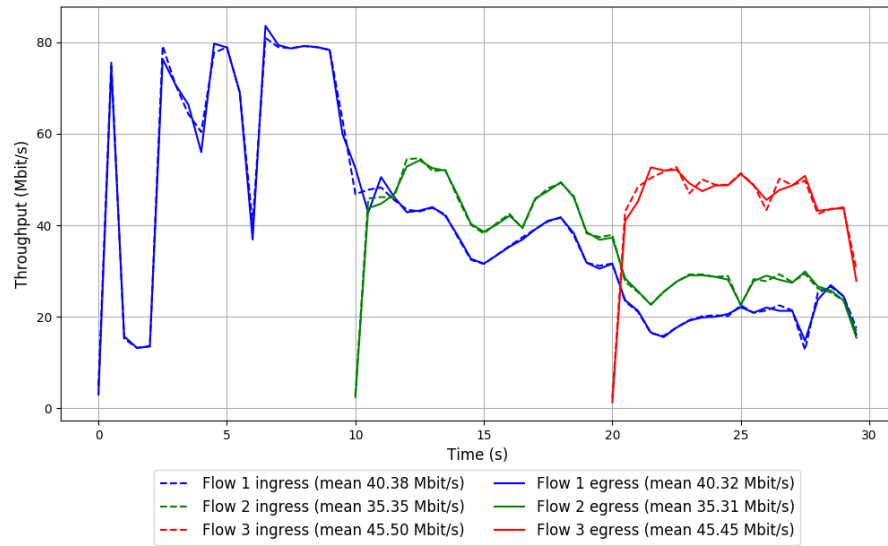


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-16 13:04:16
End at: 2018-02-16 13:04:46
Local clock offset: -0.061 ms
Remote clock offset: -5.902 ms

Below is generated by plot.py at 2018-02-16 19:19:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.66 Mbit/s
95th percentile per-packet one-way delay: 50.374 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 40.32 Mbit/s
95th percentile per-packet one-way delay: 47.581 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 35.31 Mbit/s
95th percentile per-packet one-way delay: 51.815 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 45.45 Mbit/s
95th percentile per-packet one-way delay: 51.158 ms
Loss rate: 0.67%

Run 7: Report of QUIC Cubic — Data Link

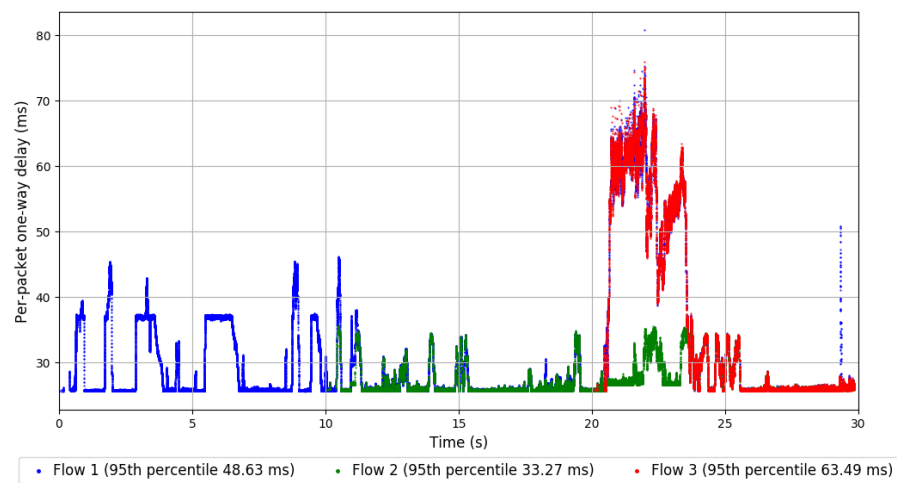
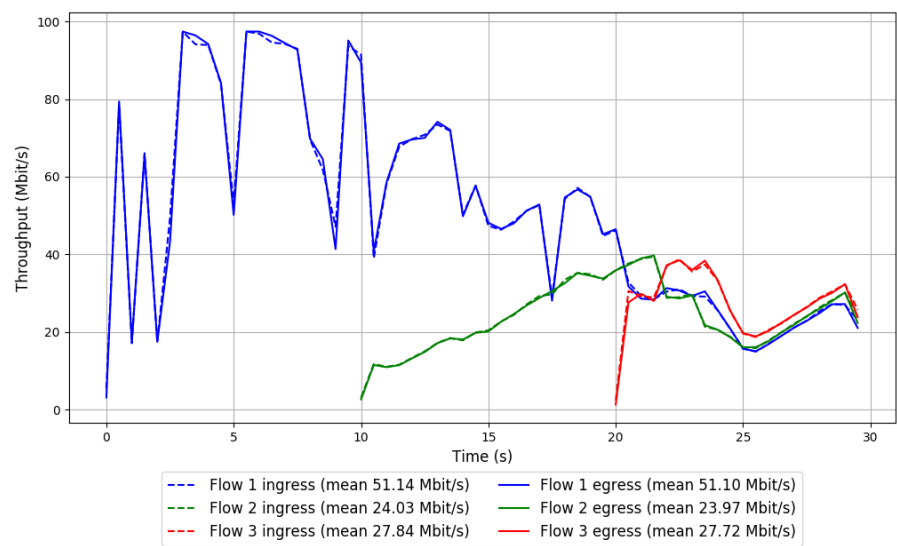


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-16 13:28:53
End at: 2018-02-16 13:29:23
Local clock offset: -0.098 ms
Remote clock offset: -8.364 ms

Below is generated by plot.py at 2018-02-16 19:19:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.12 Mbit/s
95th percentile per-packet one-way delay: 55.205 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 51.10 Mbit/s
95th percentile per-packet one-way delay: 48.631 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 33.267 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 27.72 Mbit/s
95th percentile per-packet one-way delay: 63.495 ms
Loss rate: 0.95%

Run 8: Report of QUIC Cubic — Data Link

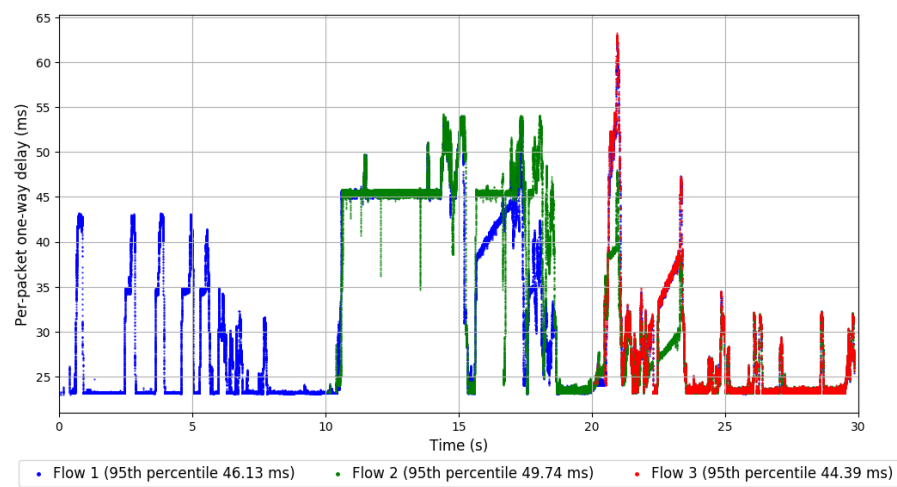
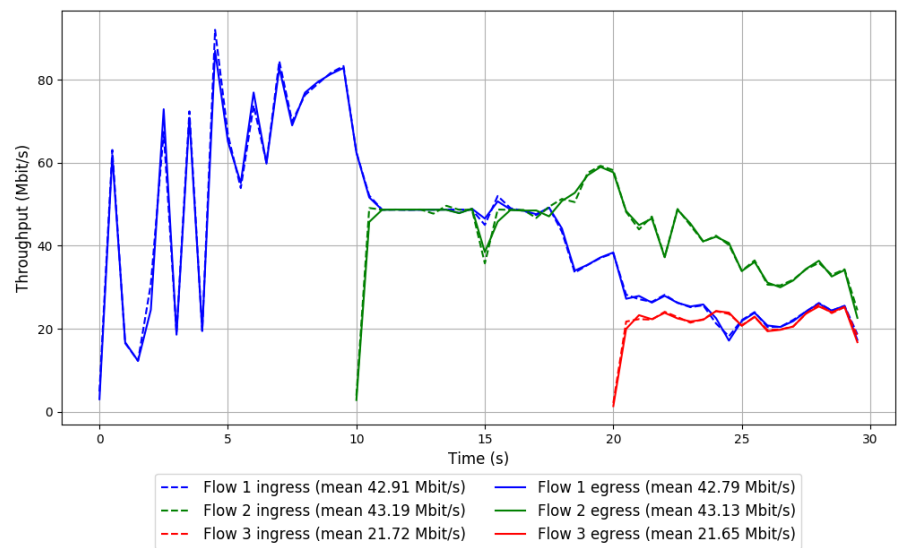


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-16 13:53:48
End at: 2018-02-16 13:54:18
Local clock offset: 0.274 ms
Remote clock offset: -5.413 ms

Below is generated by plot.py at 2018-02-16 19:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.54 Mbit/s
95th percentile per-packet one-way delay: 48.038 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 42.79 Mbit/s
95th percentile per-packet one-way delay: 46.129 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 43.13 Mbit/s
95th percentile per-packet one-way delay: 49.741 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 21.65 Mbit/s
95th percentile per-packet one-way delay: 44.388 ms
Loss rate: 0.86%

Run 9: Report of QUIC Cubic — Data Link

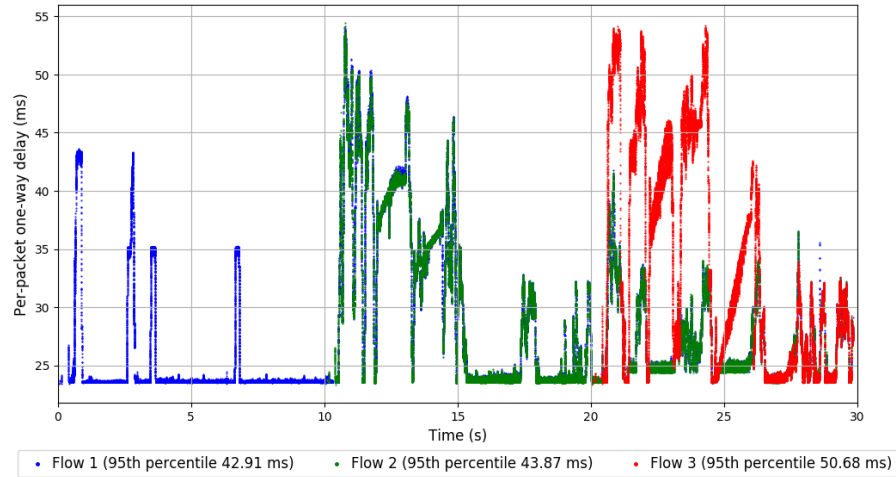
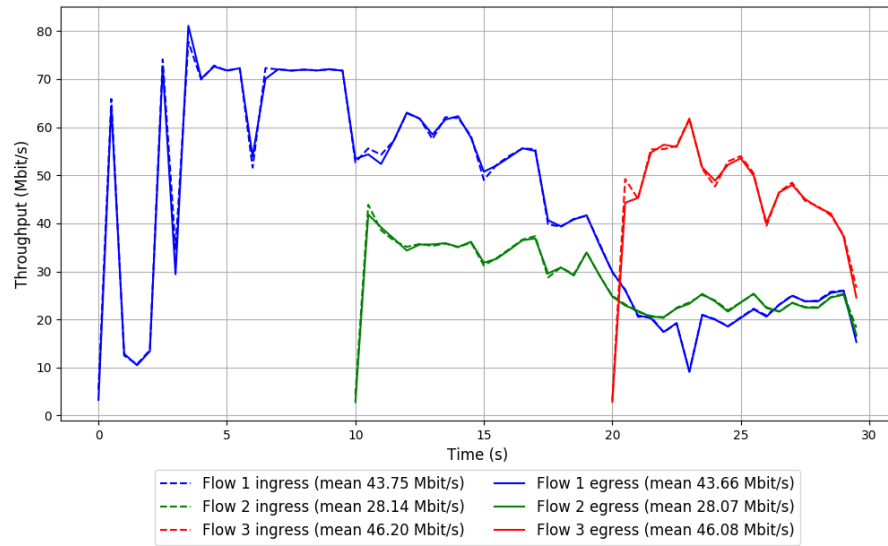


Run 10: Statistics of QUIC Cubic

Start at: 2018-02-16 14:19:05
End at: 2018-02-16 14:19:35
Local clock offset: 0.375 ms
Remote clock offset: -6.078 ms

Below is generated by plot.py at 2018-02-16 19:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.47 Mbit/s
95th percentile per-packet one-way delay: 45.825 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 43.66 Mbit/s
95th percentile per-packet one-way delay: 42.908 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 28.07 Mbit/s
95th percentile per-packet one-way delay: 43.873 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 46.08 Mbit/s
95th percentile per-packet one-way delay: 50.680 ms
Loss rate: 0.78%

Run 10: Report of QUIC Cubic — Data Link

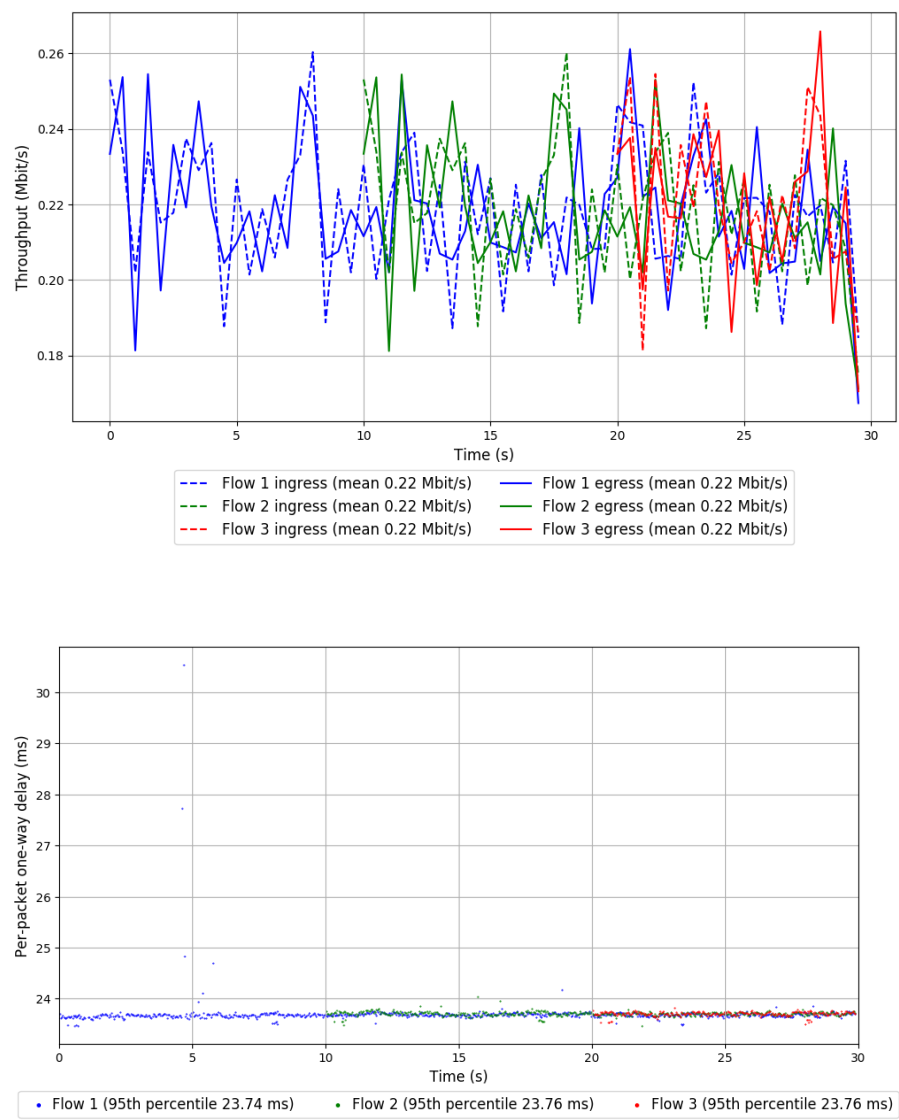


Run 1: Statistics of SReAM

Start at: 2018-02-16 10:53:59
End at: 2018-02-16 10:54:29
Local clock offset: 0.147 ms
Remote clock offset: -2.778 ms

Below is generated by plot.py at 2018-02-16 19:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 23.756 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.737 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.763 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.759 ms
Loss rate: 0.35%

Run 1: Report of SReAM — Data Link

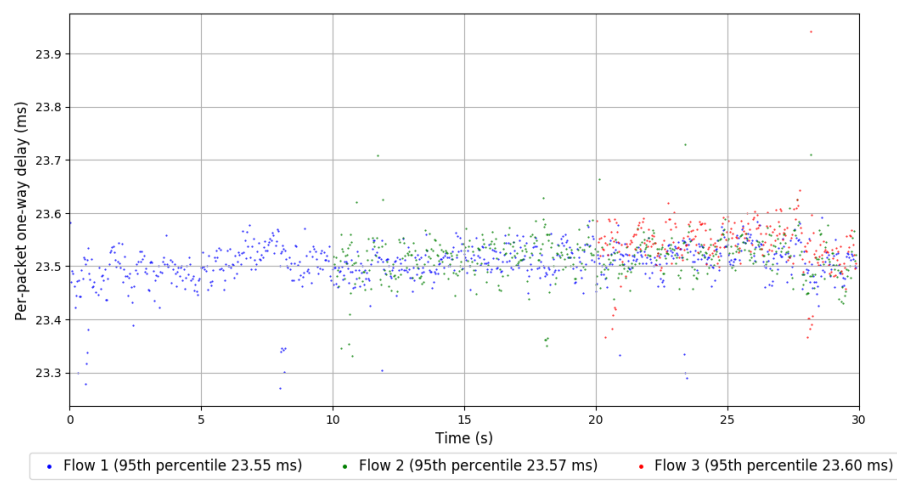
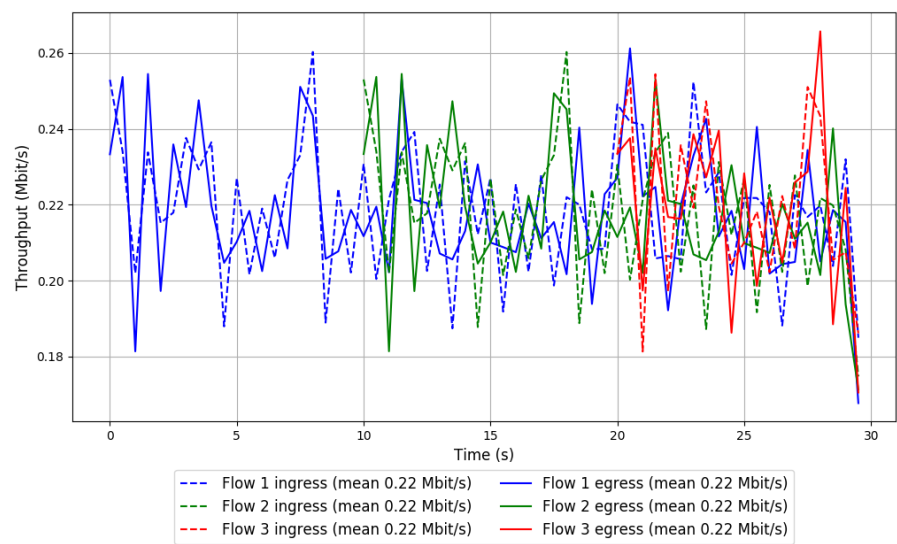


Run 2: Statistics of SReAM

Start at: 2018-02-16 11:18:43
End at: 2018-02-16 11:19:13
Local clock offset: 0.18 ms
Remote clock offset: -1.662 ms

Below is generated by plot.py at 2018-02-16 19:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 23.575 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.554 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.569 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.599 ms
Loss rate: 0.35%

Run 2: Report of SReAM — Data Link

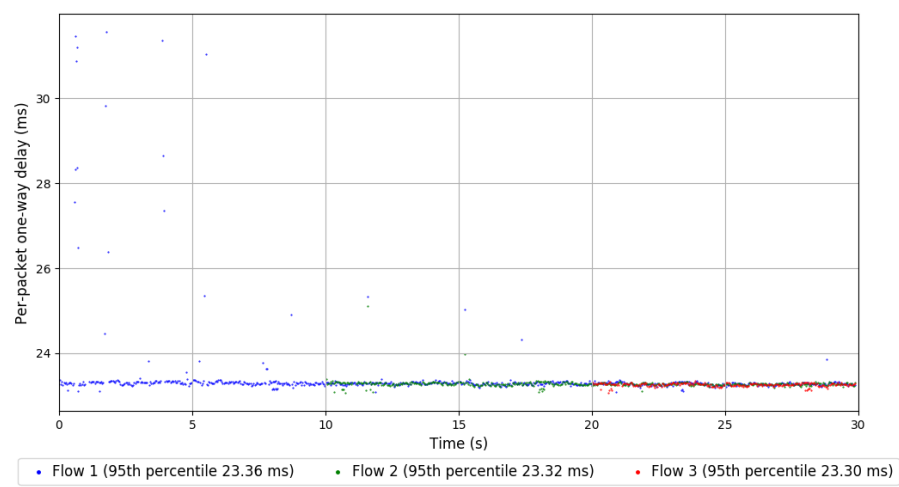
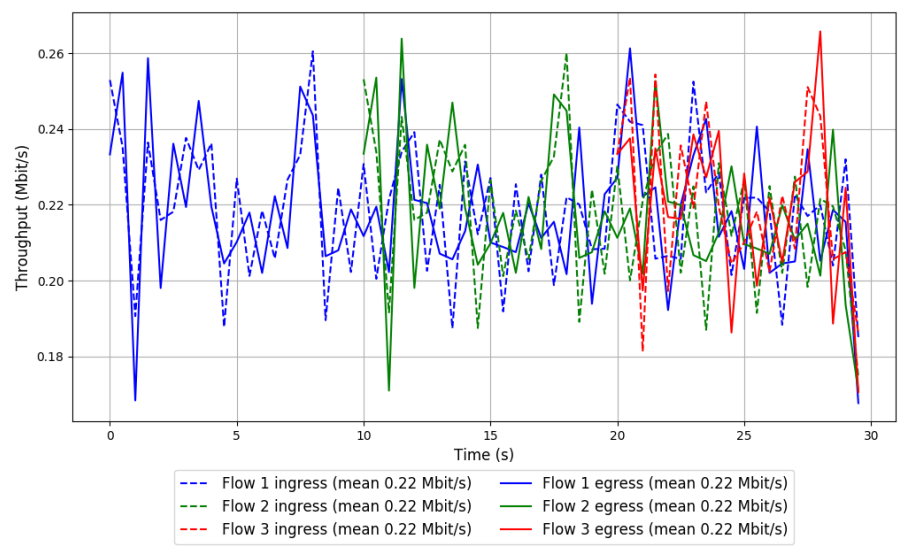


Run 3: Statistics of SReAM

Start at: 2018-02-16 11:43:29
End at: 2018-02-16 11:43:59
Local clock offset: 0.206 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-02-16 19:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 23.336 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.359 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.319 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.303 ms
Loss rate: 0.35%

Run 3: Report of SReAM — Data Link

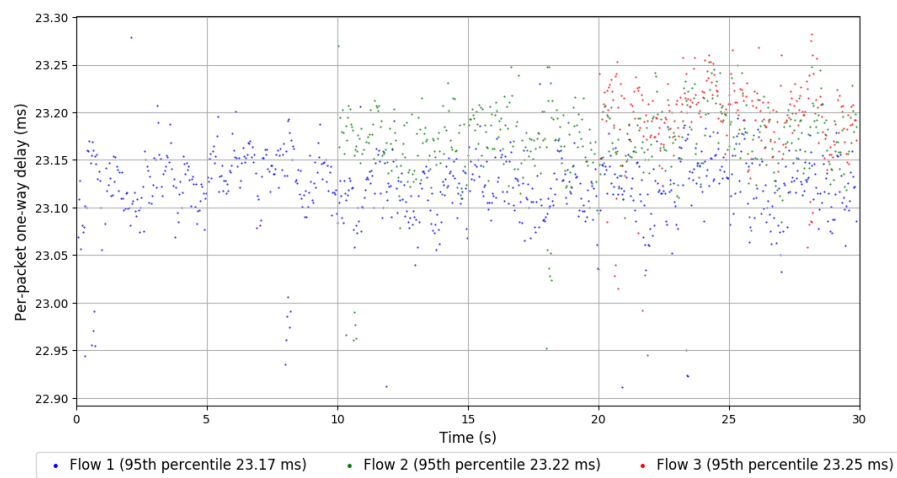
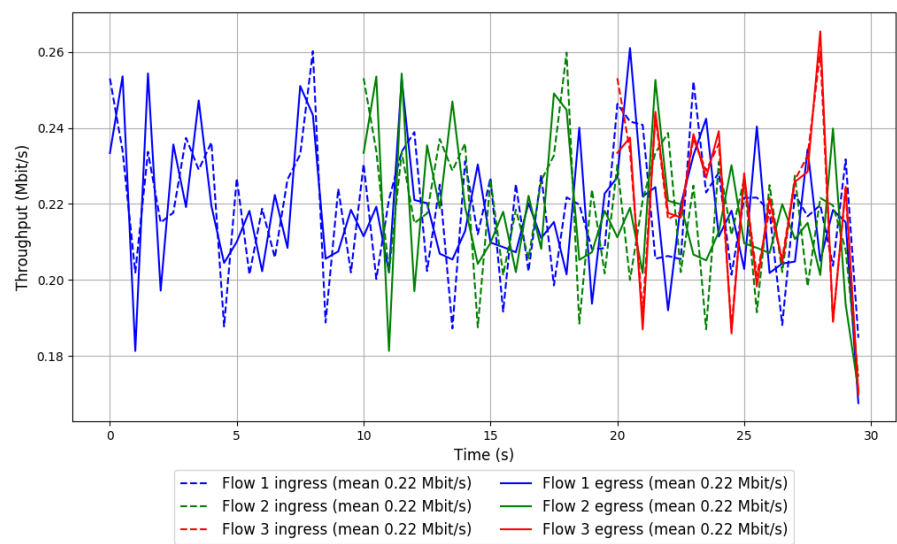


Run 4: Statistics of SReAM

Start at: 2018-02-16 12:08:03
End at: 2018-02-16 12:08:33
Local clock offset: 0.294 ms
Remote clock offset: -0.399 ms

Below is generated by plot.py at 2018-02-16 19:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 23.223 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.171 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.224 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.251 ms
Loss rate: 0.35%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-02-16 12:32:36

End at: 2018-02-16 12:33:06

Local clock offset: 0.316 ms

Remote clock offset: 1.903 ms

Below is generated by plot.py at 2018-02-16 19:20:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 23.345 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.335 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.356 ms

Loss rate: 0.40%

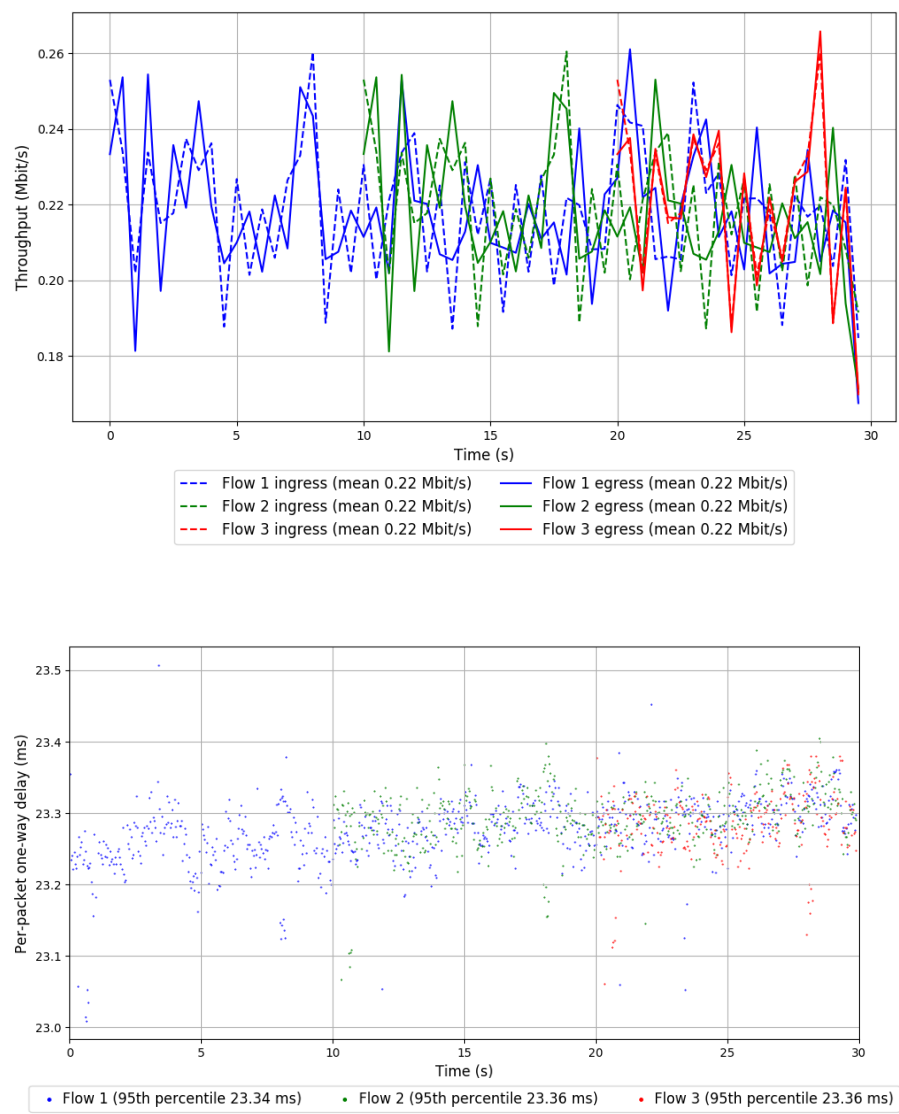
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.355 ms

Loss rate: 0.35%

Run 5: Report of SReAM — Data Link

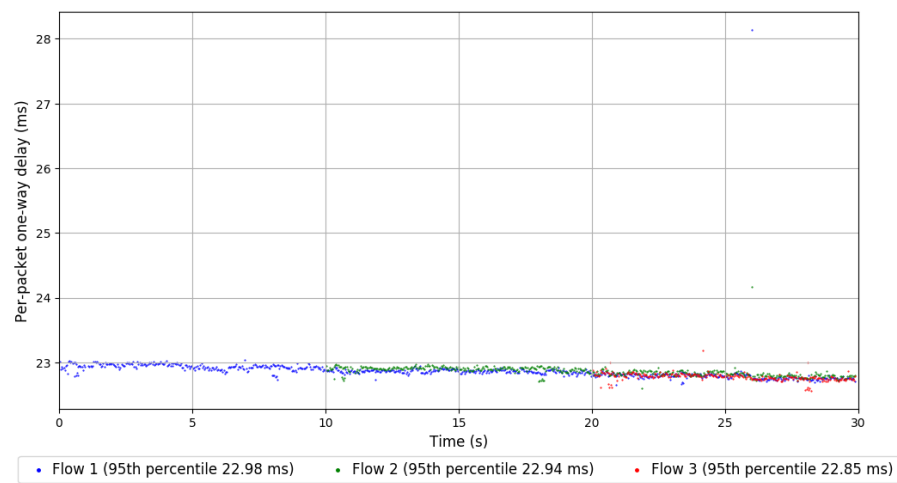
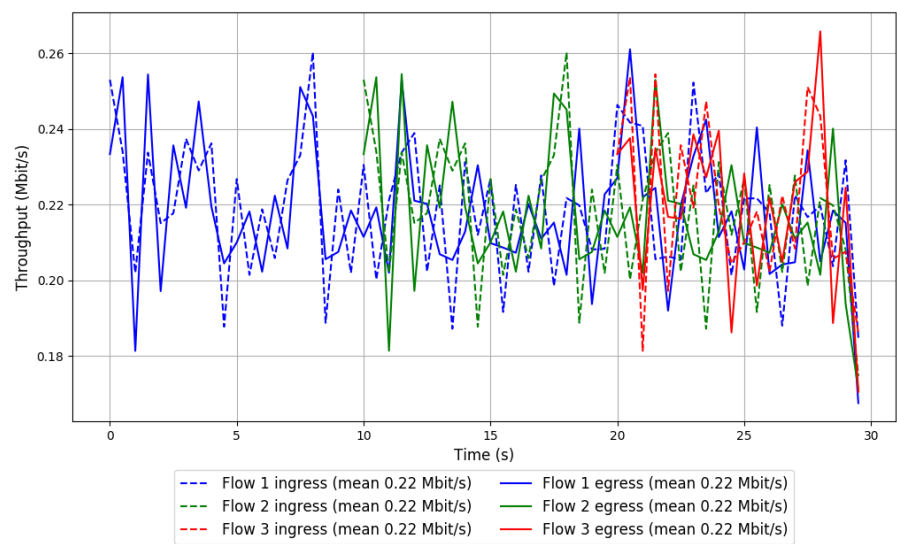


Run 6: Statistics of SReAM

Start at: 2018-02-16 12:57:26
End at: 2018-02-16 12:57:56
Local clock offset: 0.012 ms
Remote clock offset: -0.837 ms

Below is generated by plot.py at 2018-02-16 19:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 22.968 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.984 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.938 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.852 ms
Loss rate: 0.35%

Run 6: Report of SReAM — Data Link

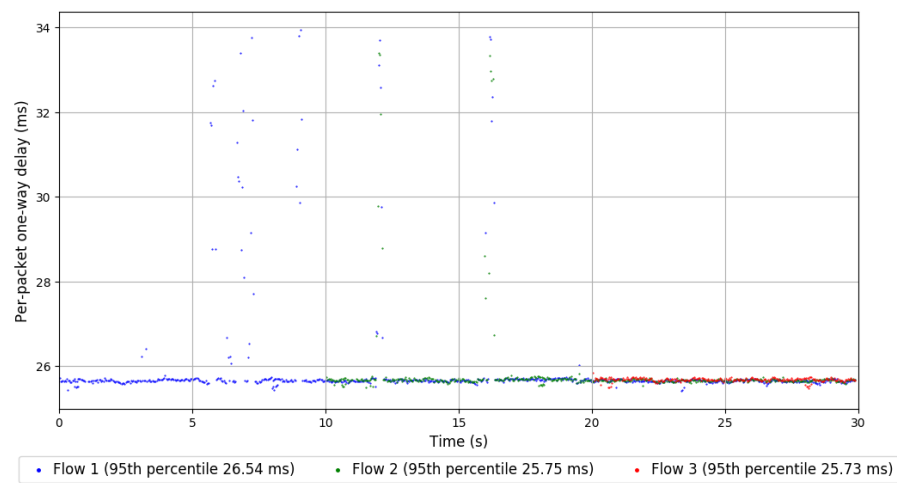
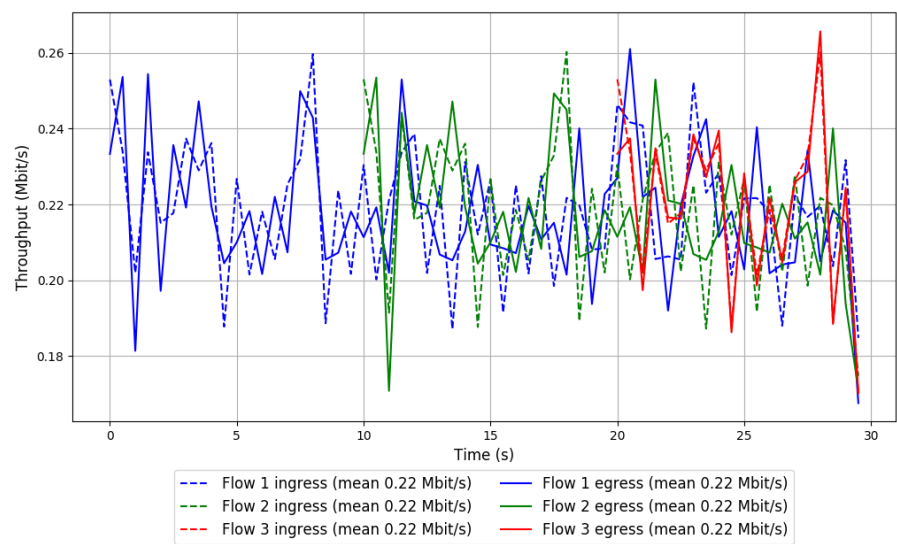


Run 7: Statistics of SReAM

Start at: 2018-02-16 13:22:05
End at: 2018-02-16 13:22:35
Local clock offset: 0.02 ms
Remote clock offset: -8.256 ms

Below is generated by plot.py at 2018-02-16 19:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 25.748 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.538 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.749 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.735 ms
Loss rate: 0.35%

Run 7: Report of SReAM — Data Link

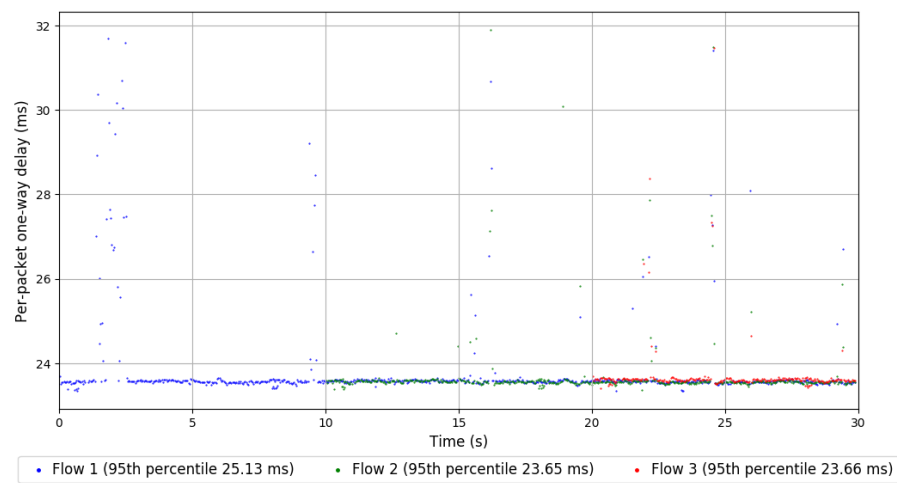
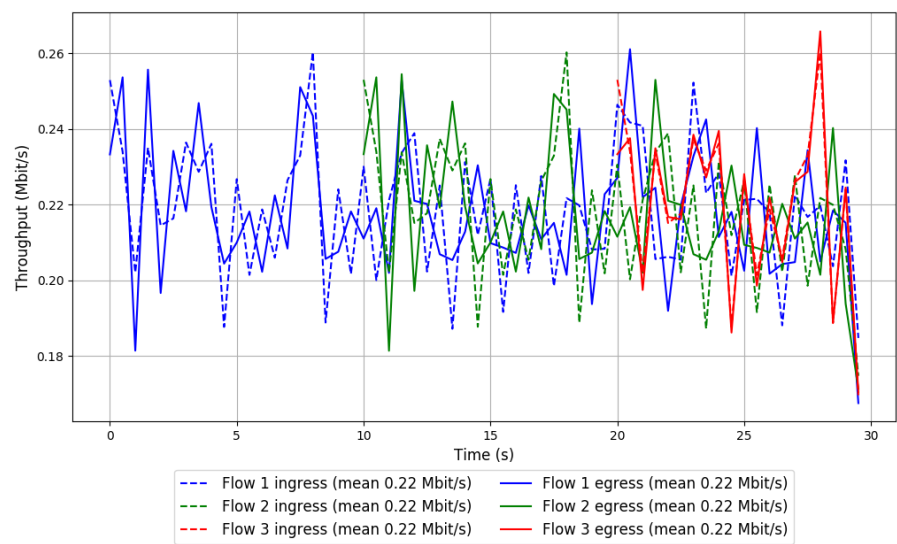


Run 8: Statistics of SReAM

Start at: 2018-02-16 13:46:49
End at: 2018-02-16 13:47:19
Local clock offset: 0.149 ms
Remote clock offset: -5.675 ms

Below is generated by plot.py at 2018-02-16 19:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 24.107 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.129 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.651 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.664 ms
Loss rate: 0.35%

Run 8: Report of SReAM — Data Link

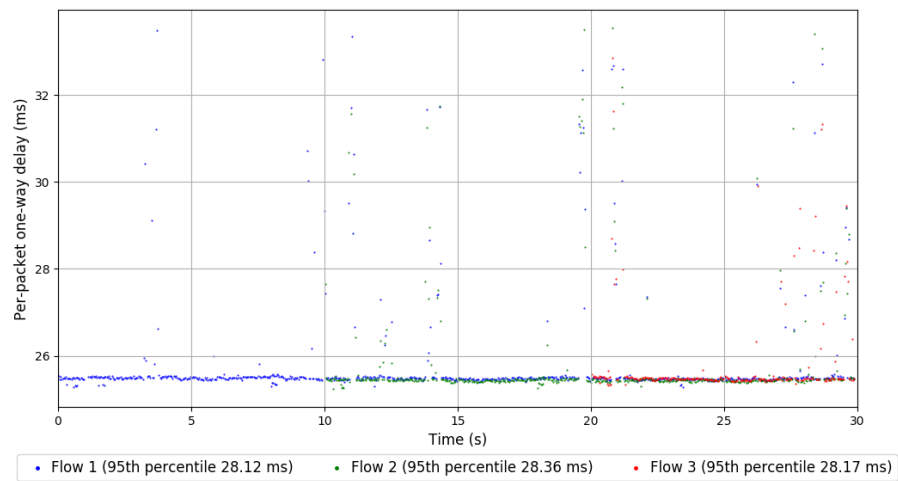
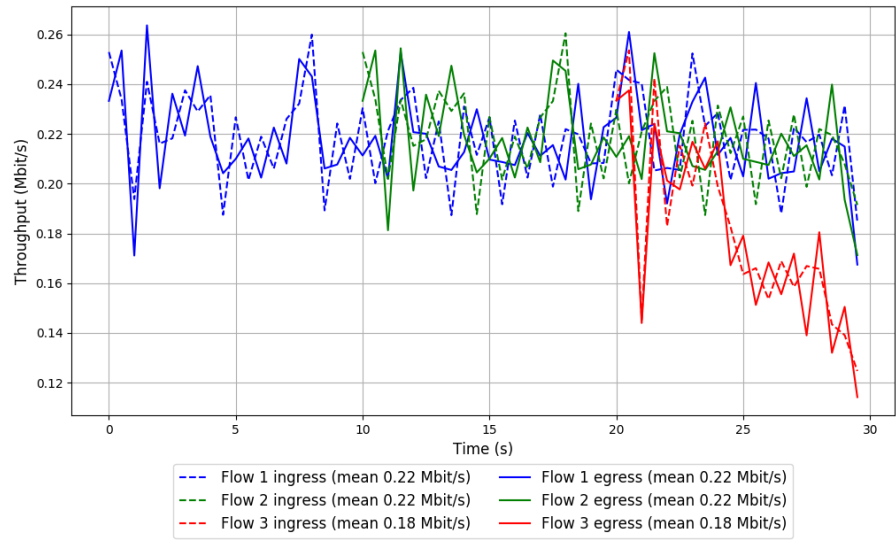


Run 9: Statistics of SReAM

Start at: 2018-02-16 14:12:04
End at: 2018-02-16 14:12:34
Local clock offset: 0.315 ms
Remote clock offset: -7.929 ms

Below is generated by plot.py at 2018-02-16 19:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 28.171 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.119 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.359 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 28.171 ms
Loss rate: 1.12%

Run 9: Report of SReAM — Data Link

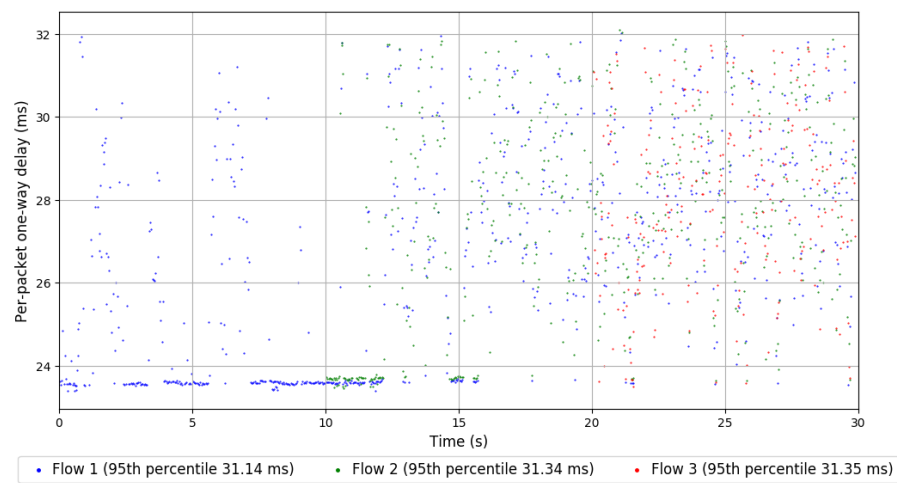
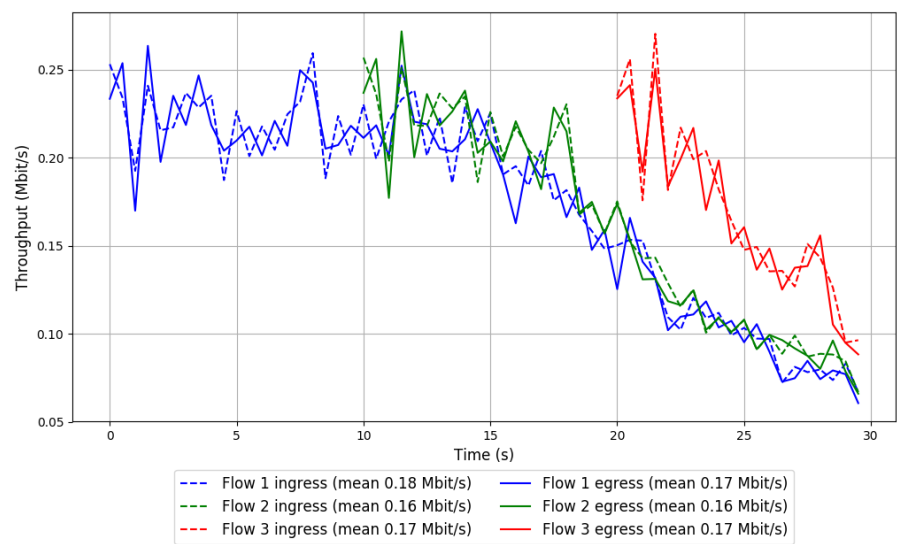


Run 10: Statistics of SCReAM

Start at: 2018-02-16 14:37:39
End at: 2018-02-16 14:38:09
Local clock offset: 0.175 ms
Remote clock offset: -5.789 ms

Below is generated by plot.py at 2018-02-16 19:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 31.225 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 31.142 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 31.338 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 31.353 ms
Loss rate: 1.89%

Run 10: Report of SReAM — Data Link

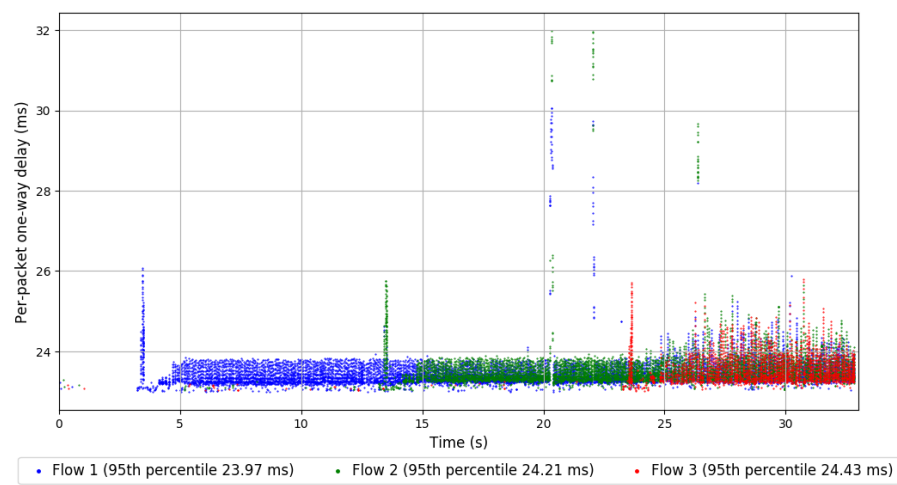
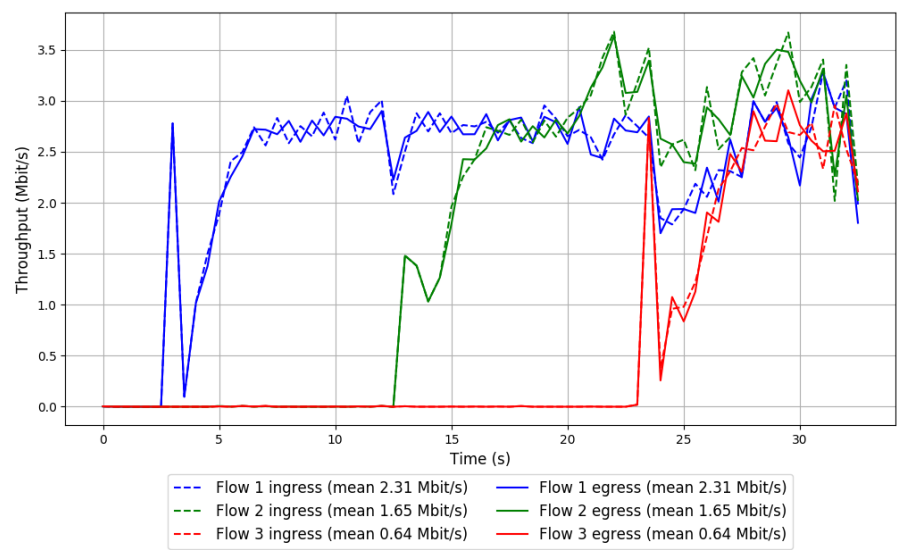


Run 1: Statistics of WebRTC media

Start at: 2018-02-16 10:51:19
End at: 2018-02-16 10:51:49
Local clock offset: 0.143 ms
Remote clock offset: -2.435 ms

Below is generated by plot.py at 2018-02-16 19:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.58 Mbit/s
95th percentile per-packet one-way delay: 24.162 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 23.972 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 24.213 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 24.428 ms
Loss rate: 0.44%

Run 1: Report of WebRTC media — Data Link

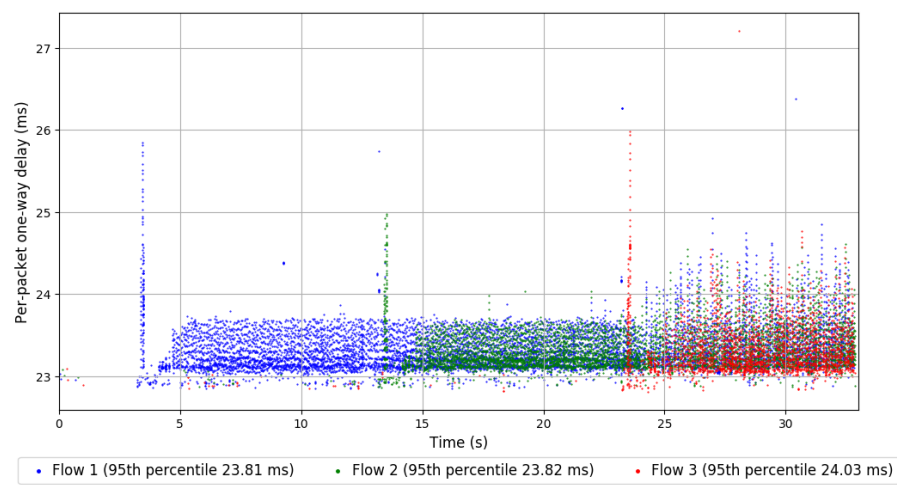
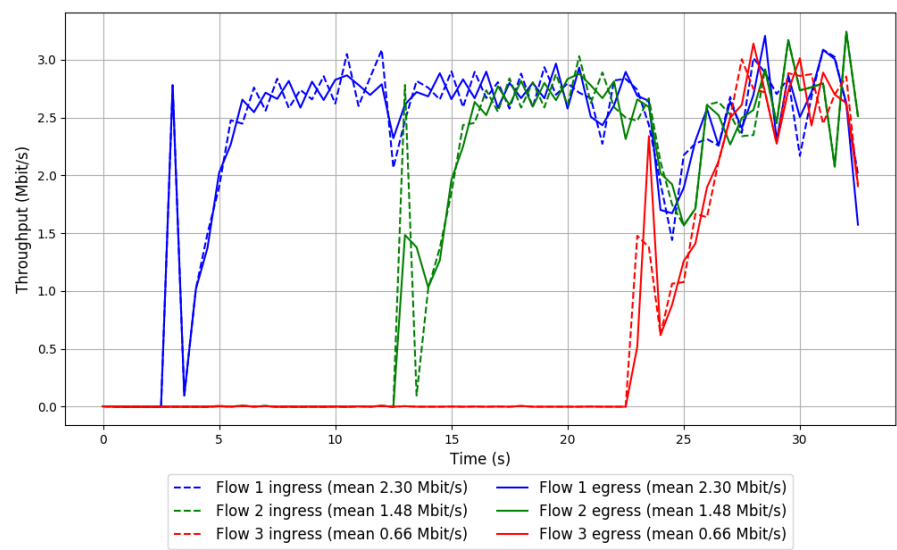


Run 2: Statistics of WebRTC media

Start at: 2018-02-16 11:16:01
End at: 2018-02-16 11:16:31
Local clock offset: 0.238 ms
Remote clock offset: -1.222 ms

Below is generated by plot.py at 2018-02-16 19:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 23.864 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 23.807 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 23.816 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 24.029 ms
Loss rate: 0.48%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-02-16 11:40:50

End at: 2018-02-16 11:41:20

Local clock offset: 0.097 ms

Remote clock offset: -2.8 ms

Below is generated by plot.py at 2018-02-16 19:20:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.36 Mbit/s

95th percentile per-packet one-way delay: 26.322 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 26.261 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 26.361 ms

Loss rate: 0.48%

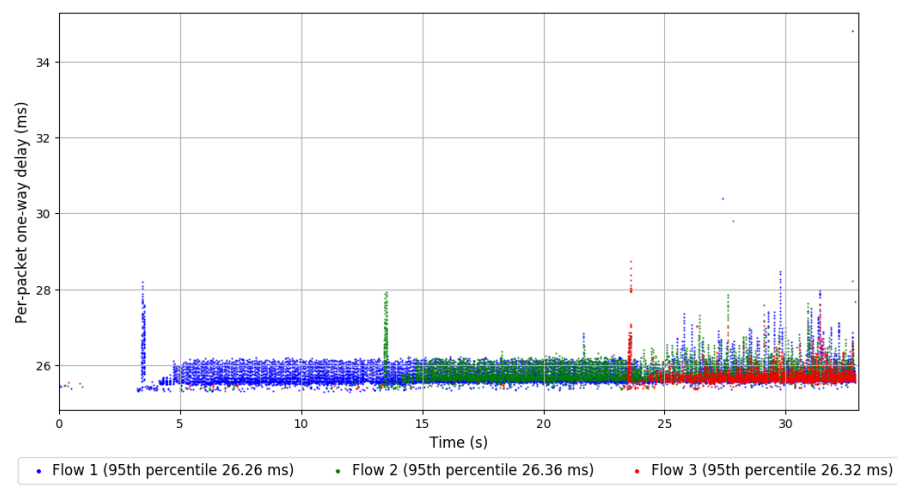
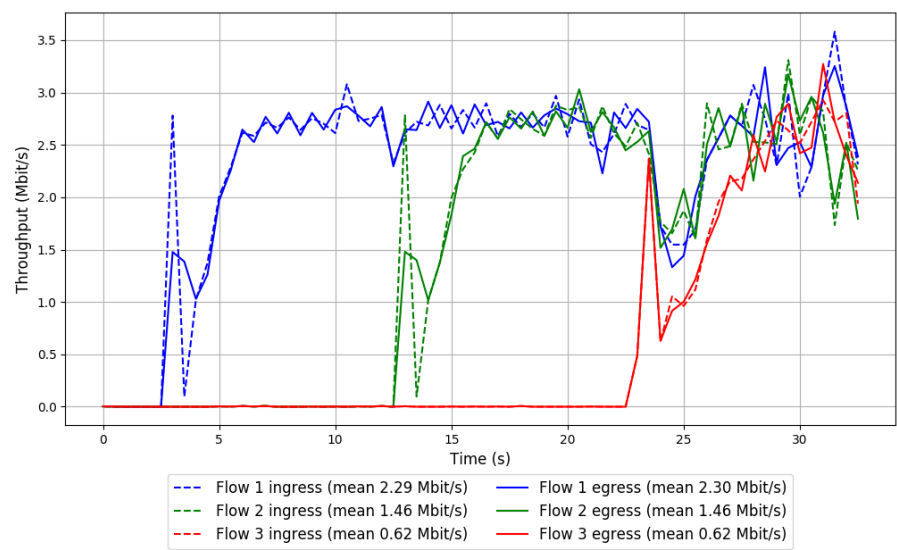
-- Flow 3:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 26.324 ms

Loss rate: 0.51%

Run 3: Report of WebRTC media — Data Link

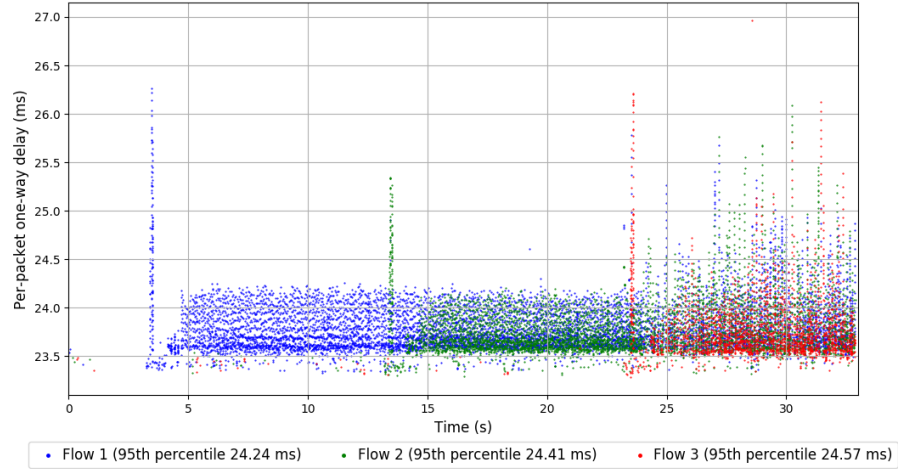
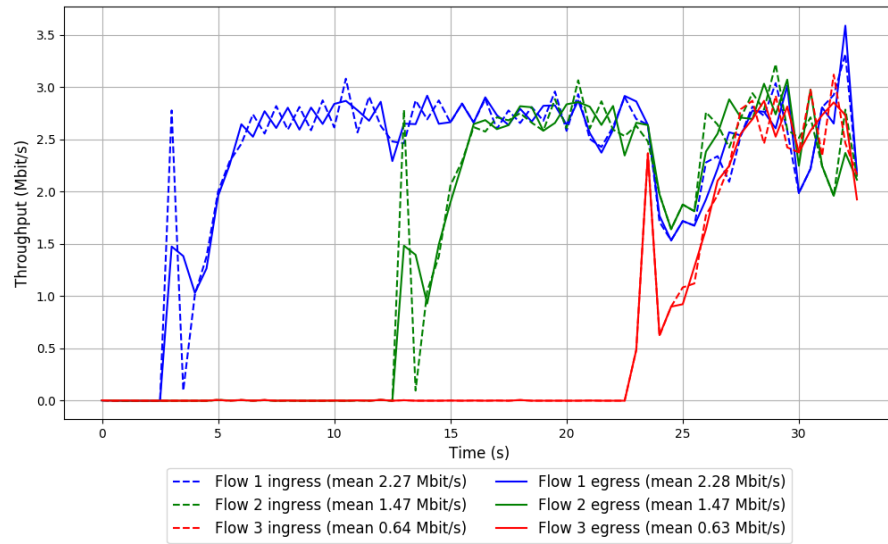


Run 4: Statistics of WebRTC media

Start at: 2018-02-16 12:05:24
End at: 2018-02-16 12:05:54
Local clock offset: 0.254 ms
Remote clock offset: -0.852 ms

Below is generated by plot.py at 2018-02-16 19:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 24.352 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 24.243 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 24.411 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 24.571 ms
Loss rate: 0.57%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-02-16 12:29:58

End at: 2018-02-16 12:30:28

Local clock offset: 0.337 ms

Remote clock offset: 1.151 ms

Below is generated by plot.py at 2018-02-16 19:20:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.40 Mbit/s

95th percentile per-packet one-way delay: 24.619 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 24.491 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 1.48 Mbit/s

95th percentile per-packet one-way delay: 24.691 ms

Loss rate: 0.44%

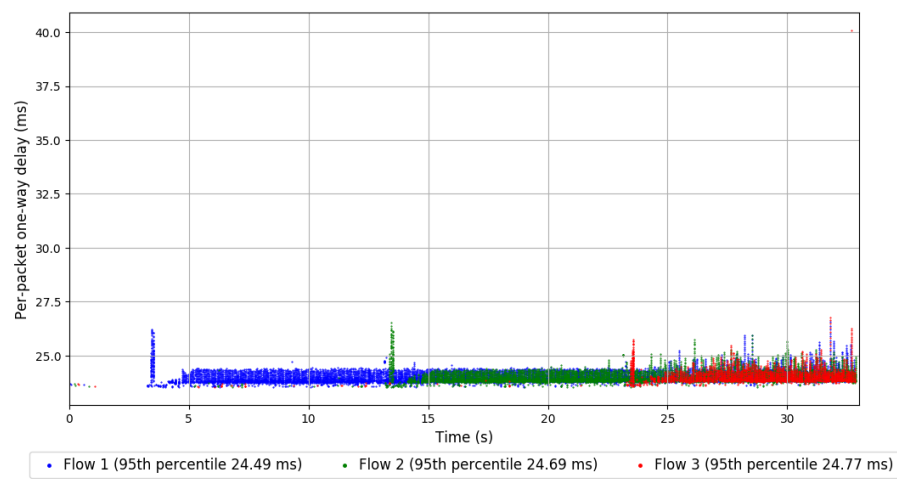
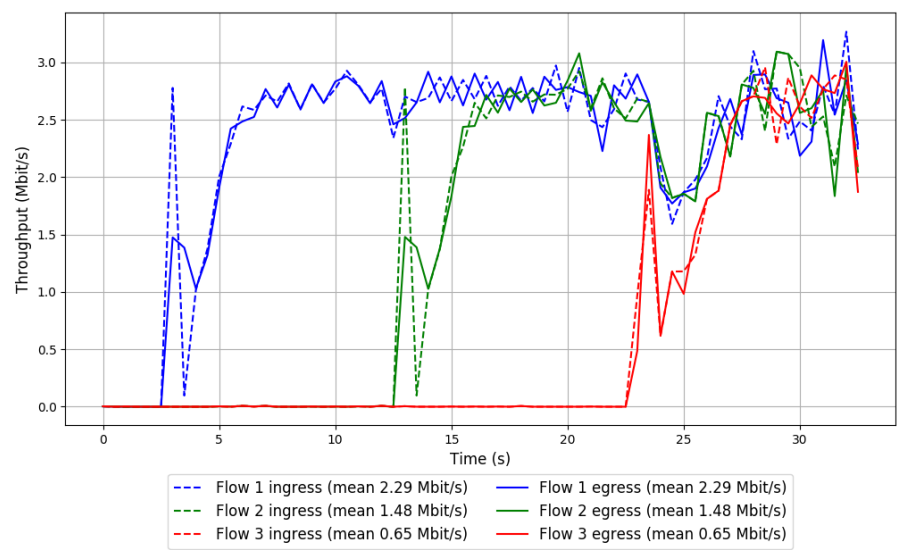
-- Flow 3:

Average throughput: 0.65 Mbit/s

95th percentile per-packet one-way delay: 24.769 ms

Loss rate: 0.48%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-02-16 12:54:47

End at: 2018-02-16 12:55:17

Local clock offset: 0.019 ms

Remote clock offset: 0.315 ms

Below is generated by plot.py at 2018-02-16 19:20:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.41 Mbit/s

95th percentile per-packet one-way delay: 23.908 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 23.902 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 1.47 Mbit/s

95th percentile per-packet one-way delay: 23.780 ms

Loss rate: 0.31%

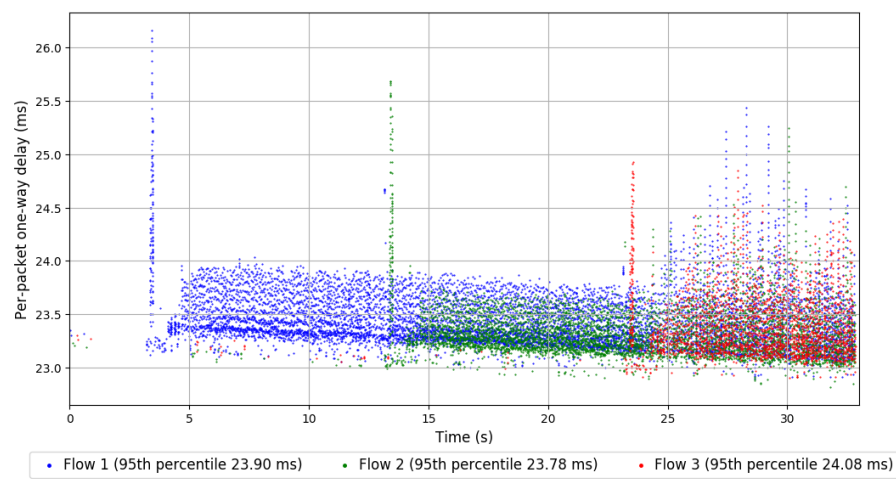
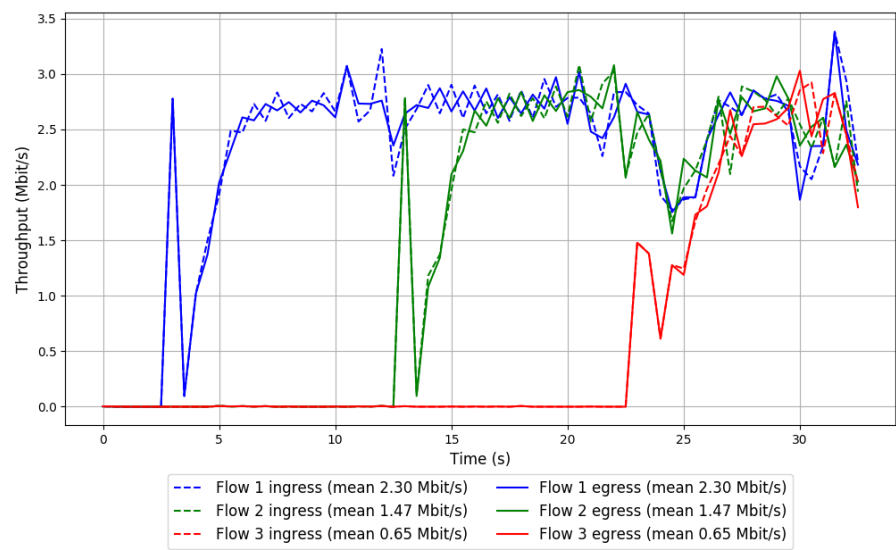
-- Flow 3:

Average throughput: 0.65 Mbit/s

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

Loss rate: 0.52%

Run 6: Report of WebRTC media — Data Link

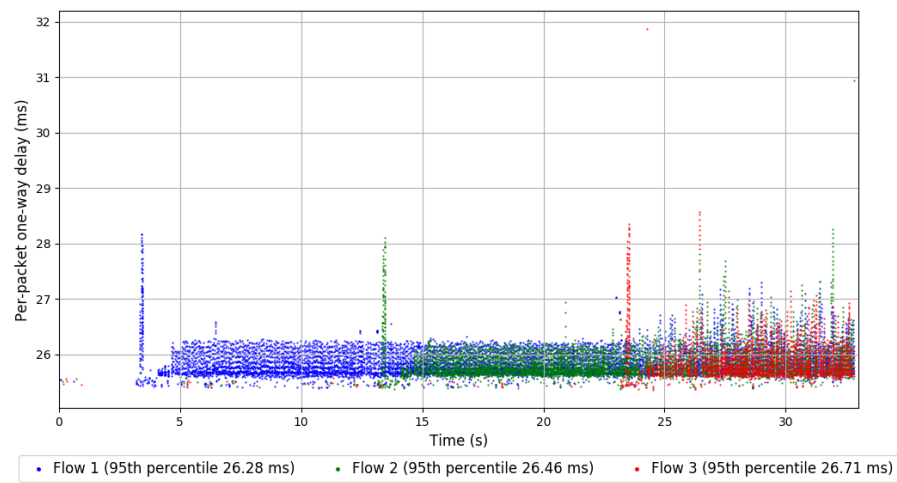
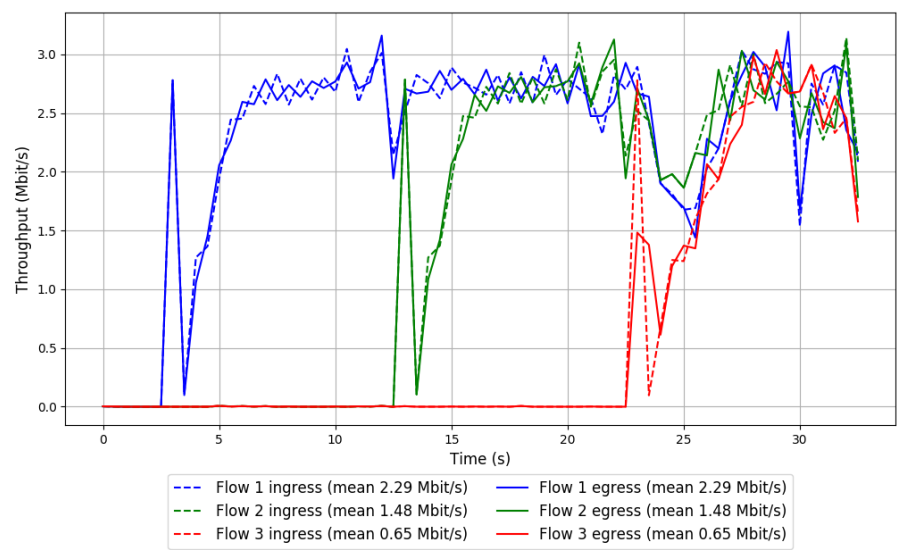


Run 7: Statistics of WebRTC media

Start at: 2018-02-16 13:19:25
End at: 2018-02-16 13:19:55
Local clock offset: -0.005 ms
Remote clock offset: -8.158 ms

Below is generated by plot.py at 2018-02-16 19:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 26.427 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 26.283 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 26.464 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 26.706 ms
Loss rate: 0.18%

Run 7: Report of WebRTC media — Data Link

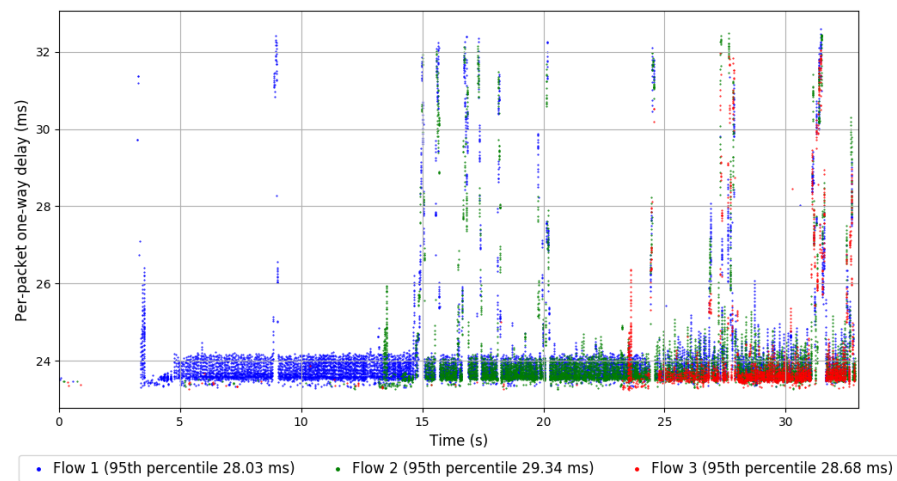
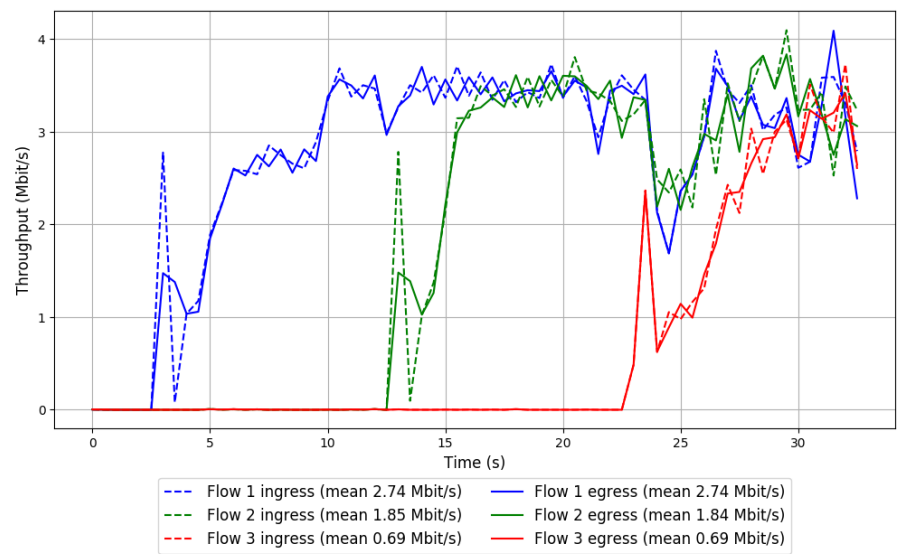


Run 8: Statistics of WebRTC media

Start at: 2018-02-16 13:44:11
End at: 2018-02-16 13:44:41
Local clock offset: -0.017 ms
Remote clock offset: -5.738 ms

Below is generated by plot.py at 2018-02-16 19:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.24 Mbit/s
95th percentile per-packet one-way delay: 28.607 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 2.74 Mbit/s
95th percentile per-packet one-way delay: 28.028 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 29.336 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 28.677 ms
Loss rate: 0.85%

Run 8: Report of WebRTC media — Data Link

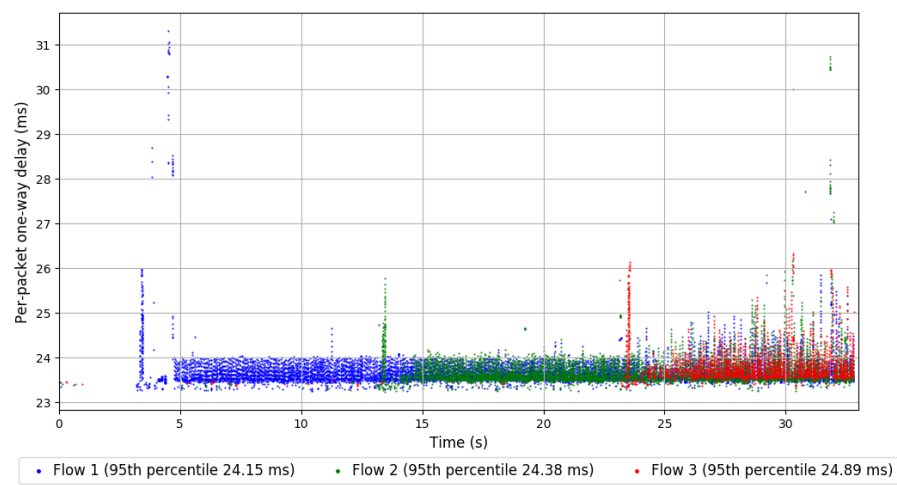
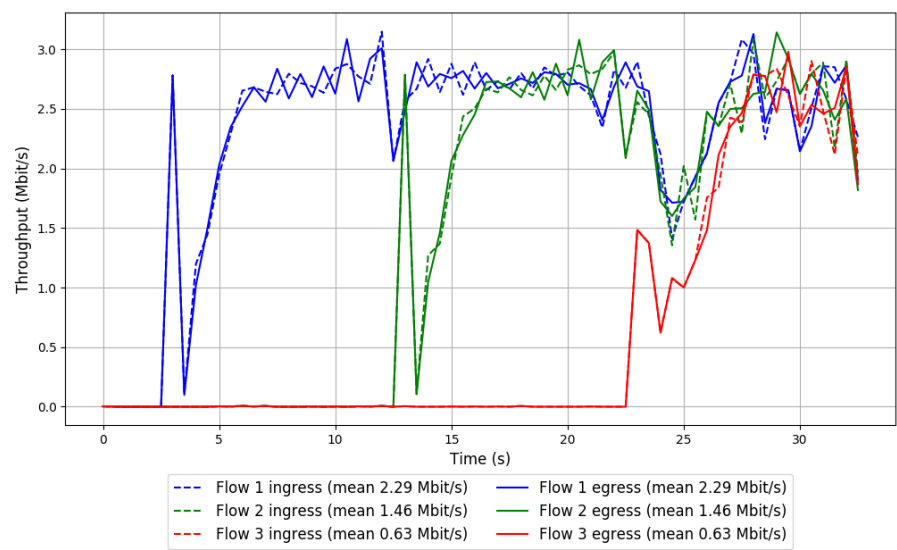


Run 9: Statistics of WebRTC media

Start at: 2018-02-16 14:09:23
End at: 2018-02-16 14:09:53
Local clock offset: 0.408 ms
Remote clock offset: -5.818 ms

Below is generated by plot.py at 2018-02-16 19:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 24.367 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 24.150 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 24.377 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 24.894 ms
Loss rate: 0.56%

Run 9: Report of WebRTC media — Data Link

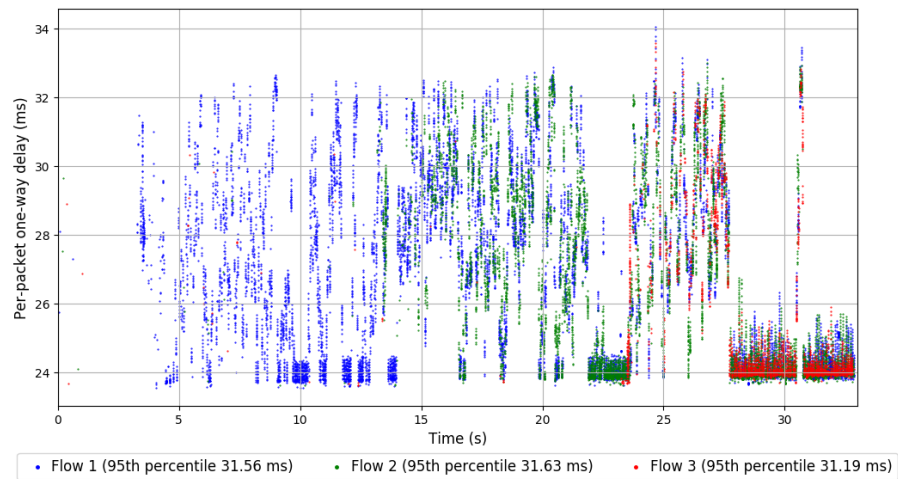
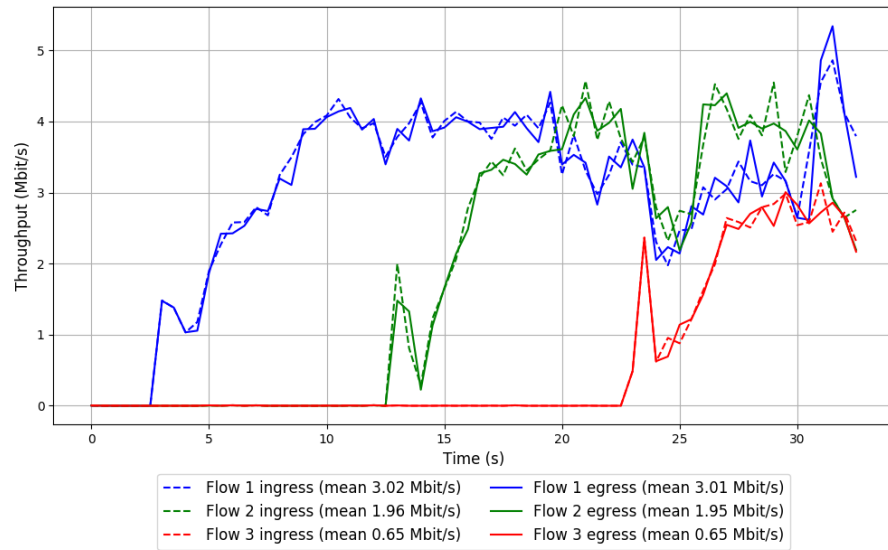


Run 10: Statistics of WebRTC media

Start at: 2018-02-16 14:35:00
End at: 2018-02-16 14:35:30
Local clock offset: 0.258 ms
Remote clock offset: -6.556 ms

Below is generated by plot.py at 2018-02-16 19:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.59 Mbit/s
95th percentile per-packet one-way delay: 31.555 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 3.01 Mbit/s
95th percentile per-packet one-way delay: 31.562 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 31.629 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 31.187 ms
Loss rate: 0.54%

Run 10: Report of WebRTC media — Data Link

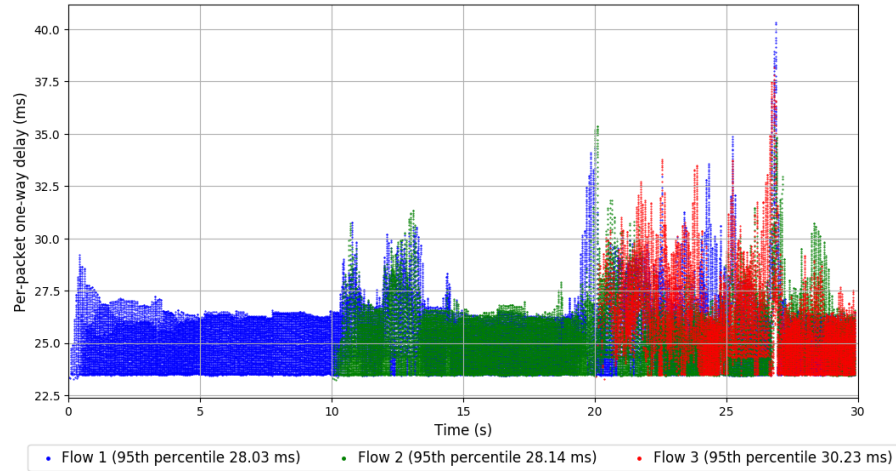
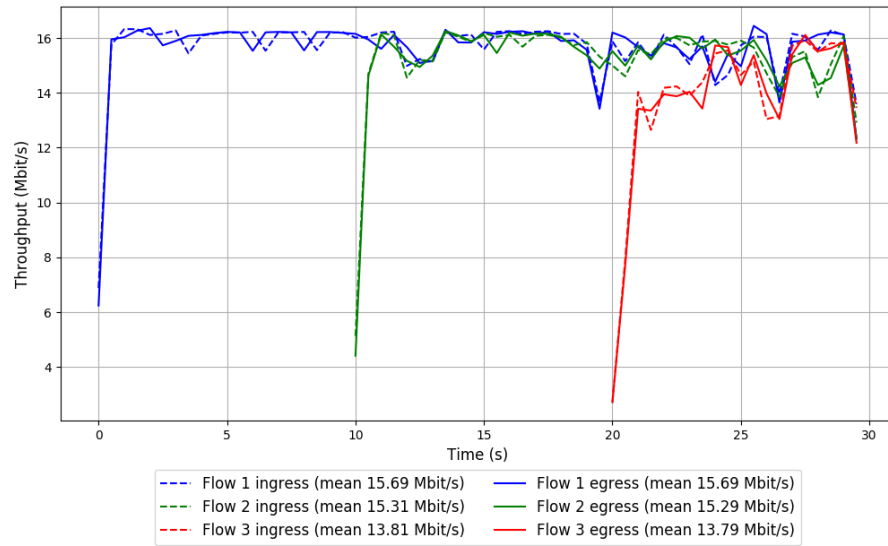


Run 1: Statistics of Sprout

Start at: 2018-02-16 10:39:01
End at: 2018-02-16 10:39:31
Local clock offset: 0.098 ms
Remote clock offset: -2.932 ms

Below is generated by plot.py at 2018-02-16 19:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.39 Mbit/s
95th percentile per-packet one-way delay: 28.595 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 15.69 Mbit/s
95th percentile per-packet one-way delay: 28.028 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 15.29 Mbit/s
95th percentile per-packet one-way delay: 28.140 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 13.79 Mbit/s
95th percentile per-packet one-way delay: 30.233 ms
Loss rate: 0.69%

Run 1: Report of Sprout — Data Link

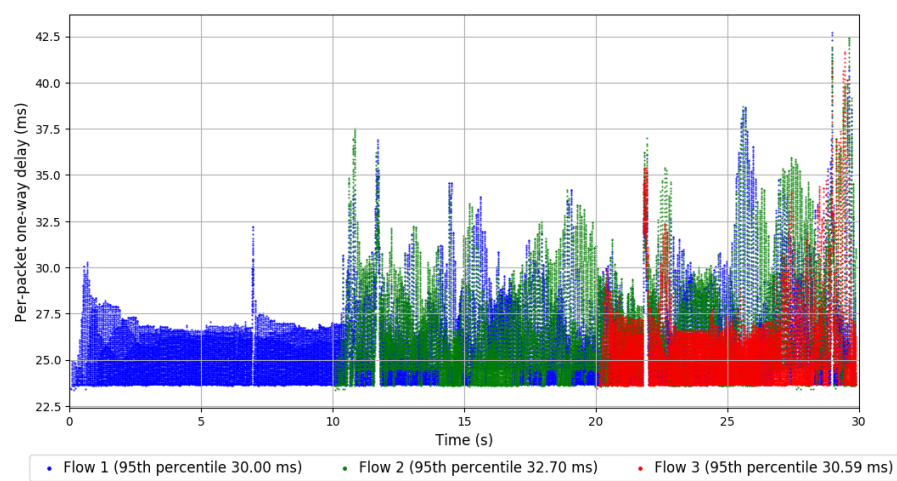
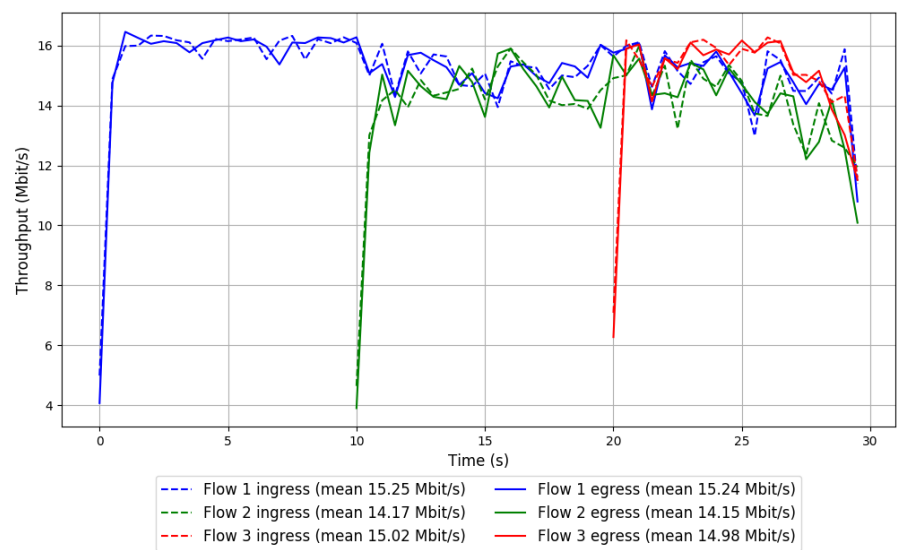


Run 2: Statistics of Sprout

Start at: 2018-02-16 11:03:34
End at: 2018-02-16 11:04:04
Local clock offset: 0.225 ms
Remote clock offset: -1.959 ms

```
# Below is generated by plot.py at 2018-02-16 19:20:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.57 Mbit/s
95th percentile per-packet one-way delay: 31.292 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 15.24 Mbit/s
95th percentile per-packet one-way delay: 29.998 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 14.15 Mbit/s
95th percentile per-packet one-way delay: 32.700 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 14.98 Mbit/s
95th percentile per-packet one-way delay: 30.594 ms
Loss rate: 0.92%
```

Run 2: Report of Sprout — Data Link

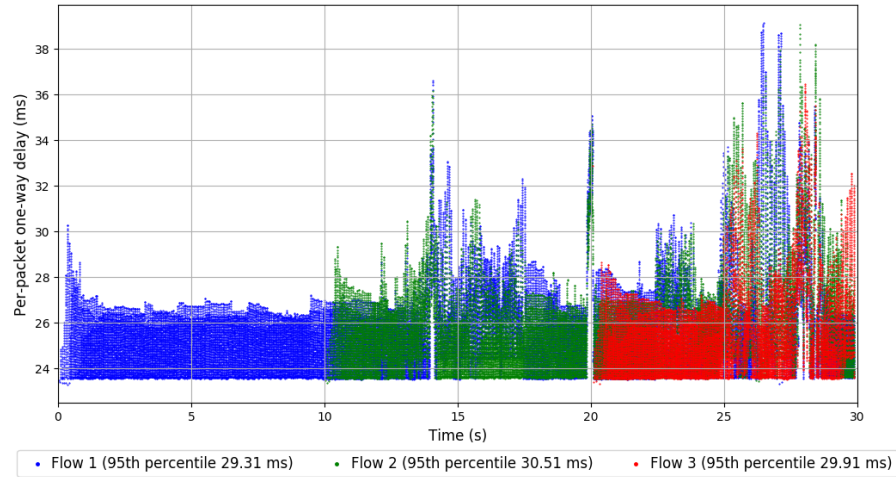
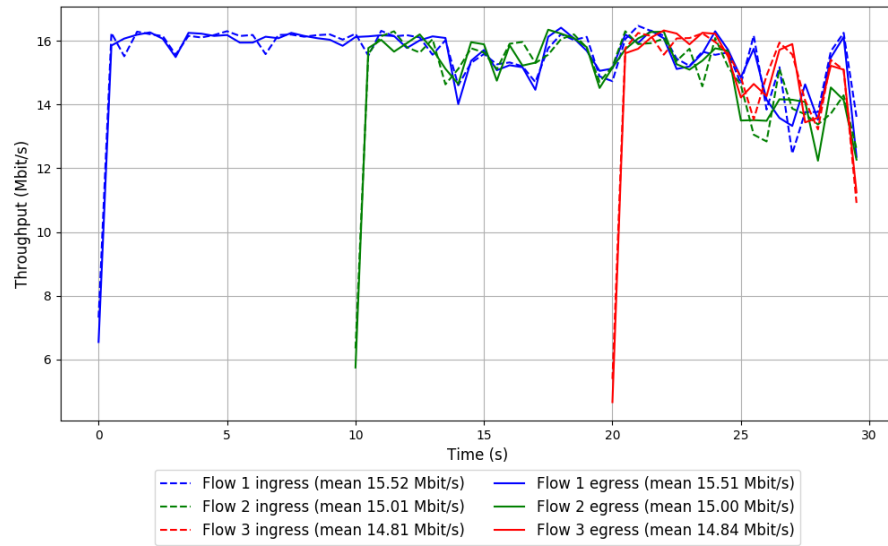


Run 3: Statistics of Sprout

Start at: 2018-02-16 11:28:22
End at: 2018-02-16 11:28:52
Local clock offset: 0.114 ms
Remote clock offset: -1.437 ms

Below is generated by plot.py at 2018-02-16 19:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.37 Mbit/s
95th percentile per-packet one-way delay: 29.871 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 15.51 Mbit/s
95th percentile per-packet one-way delay: 29.312 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 15.00 Mbit/s
95th percentile per-packet one-way delay: 30.509 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 14.84 Mbit/s
95th percentile per-packet one-way delay: 29.914 ms
Loss rate: 0.27%

Run 3: Report of Sprout — Data Link

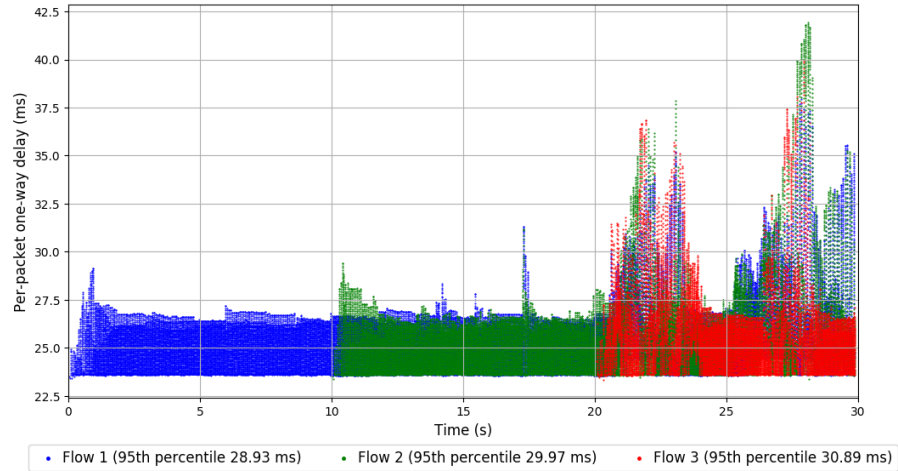
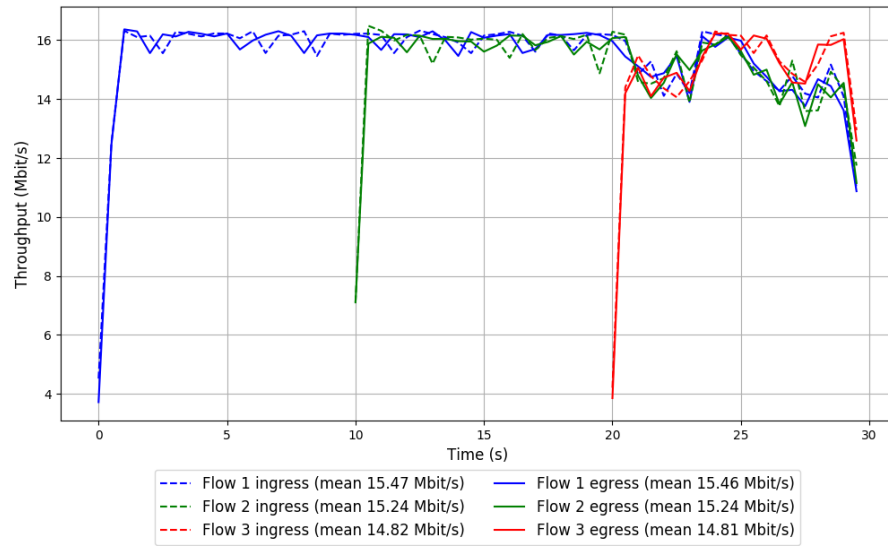


Run 4: Statistics of Sprout

Start at: 2018-02-16 11:53:03
End at: 2018-02-16 11:53:33
Local clock offset: 0.16 ms
Remote clock offset: -0.832 ms

```
# Below is generated by plot.py at 2018-02-16 19:20:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.46 Mbit/s
95th percentile per-packet one-way delay: 29.578 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 15.46 Mbit/s
95th percentile per-packet one-way delay: 28.927 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 15.24 Mbit/s
95th percentile per-packet one-way delay: 29.967 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 14.81 Mbit/s
95th percentile per-packet one-way delay: 30.890 ms
Loss rate: 0.44%
```

Run 4: Report of Sprout — Data Link

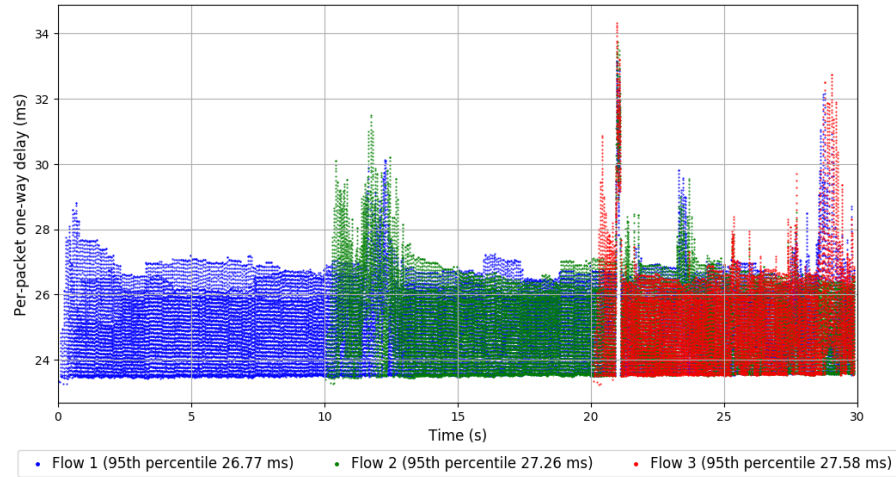
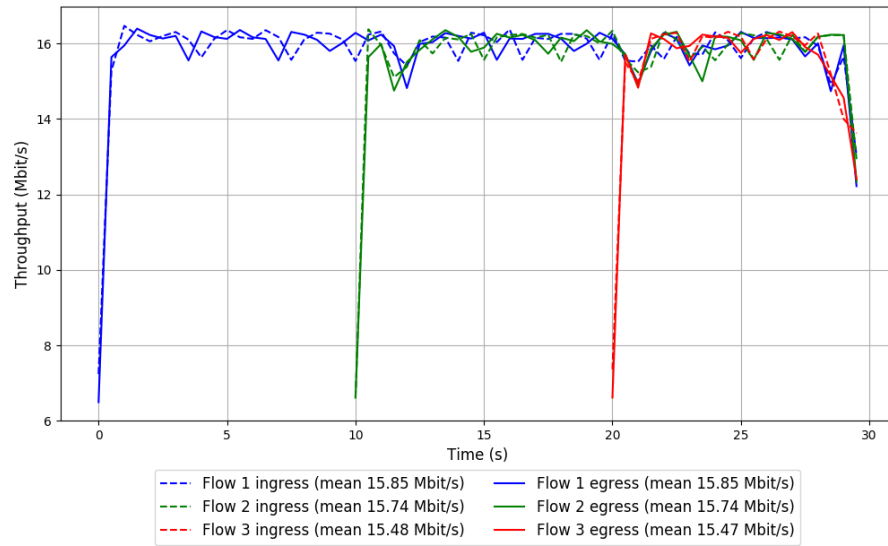


Run 5: Statistics of Sprout

Start at: 2018-02-16 12:17:37
End at: 2018-02-16 12:18:07
Local clock offset: 0.192 ms
Remote clock offset: -0.692 ms

```
# Below is generated by plot.py at 2018-02-16 19:20:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.40 Mbit/s
95th percentile per-packet one-way delay: 26.991 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 15.85 Mbit/s
95th percentile per-packet one-way delay: 26.772 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 15.74 Mbit/s
95th percentile per-packet one-way delay: 27.264 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 15.47 Mbit/s
95th percentile per-packet one-way delay: 27.583 ms
Loss rate: 0.64%
```

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-02-16 12:42:22

End at: 2018-02-16 12:42:52

Local clock offset: 0.027 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-02-16 19:20:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 30.59 Mbit/s

95th percentile per-packet one-way delay: 31.195 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 15.73 Mbit/s

95th percentile per-packet one-way delay: 28.669 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 15.13 Mbit/s

95th percentile per-packet one-way delay: 33.575 ms

Loss rate: 0.22%

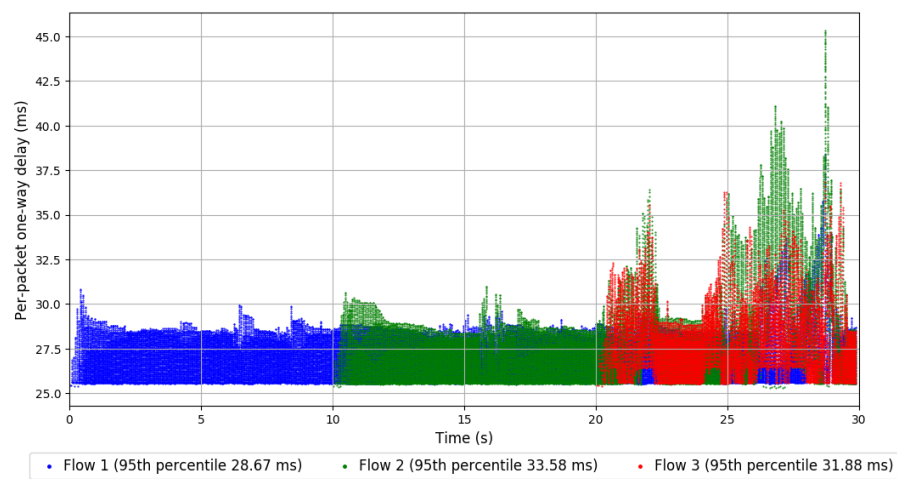
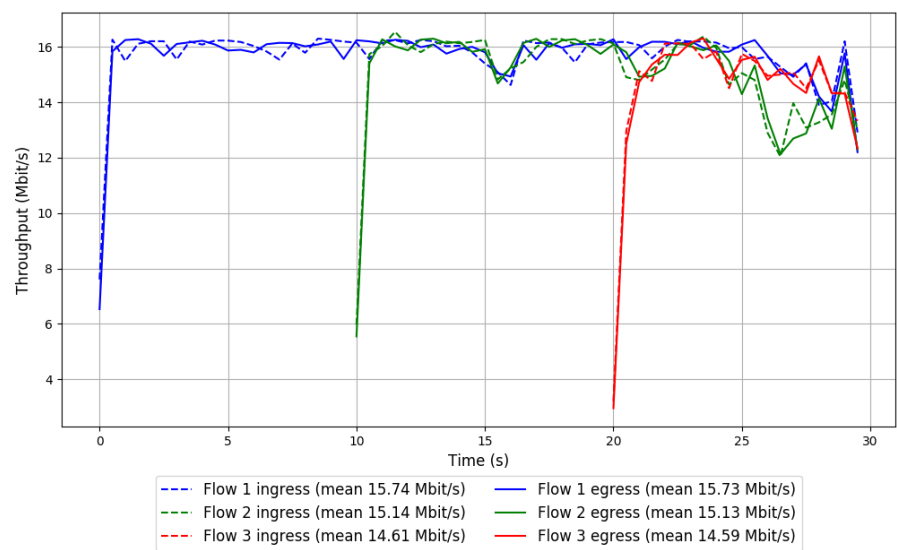
-- Flow 3:

Average throughput: 14.59 Mbit/s

95th percentile per-packet one-way delay: 31.878 ms

Loss rate: 0.67%

Run 6: Report of Sprout — Data Link

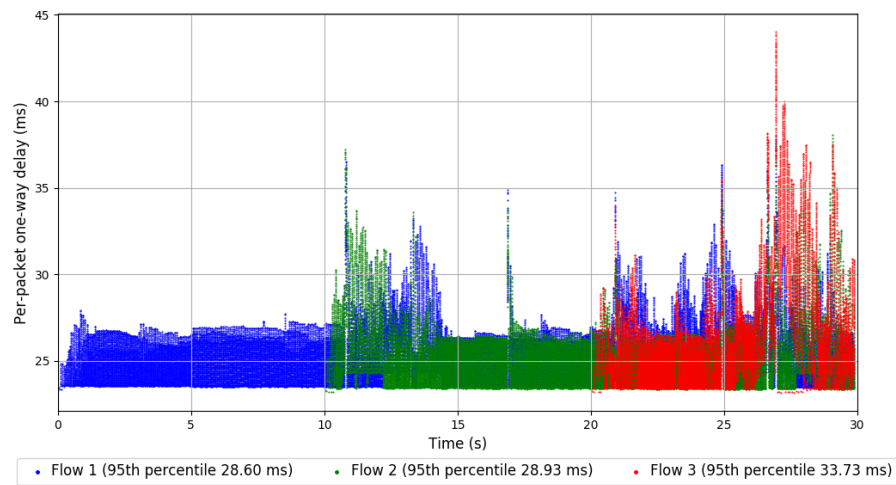
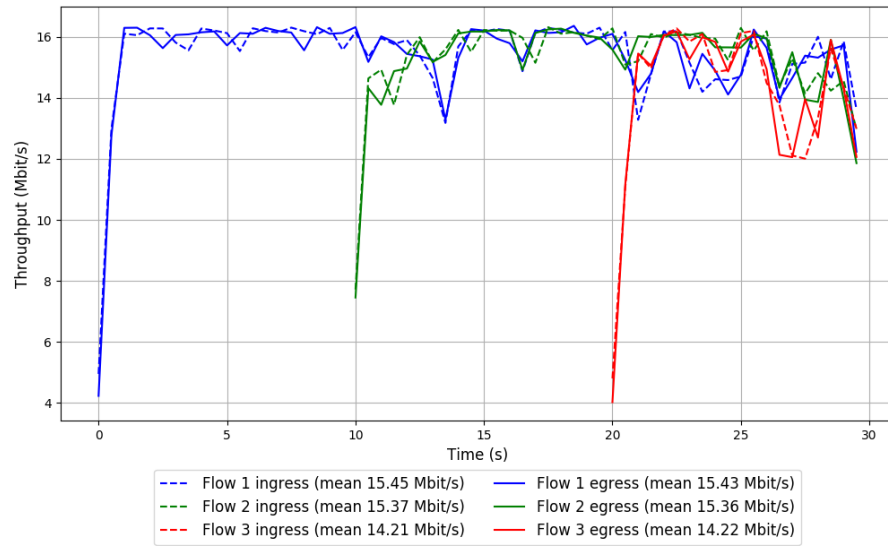


Run 7: Statistics of Sprout

Start at: 2018-02-16 13:07:00
End at: 2018-02-16 13:07:30
Local clock offset: -0.052 ms
Remote clock offset: -4.481 ms

Below is generated by plot.py at 2018-02-16 19:20:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.32 Mbit/s
95th percentile per-packet one-way delay: 29.546 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 15.43 Mbit/s
95th percentile per-packet one-way delay: 28.597 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 15.36 Mbit/s
95th percentile per-packet one-way delay: 28.931 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 14.22 Mbit/s
95th percentile per-packet one-way delay: 33.731 ms
Loss rate: 0.52%

Run 7: Report of Sprout — Data Link

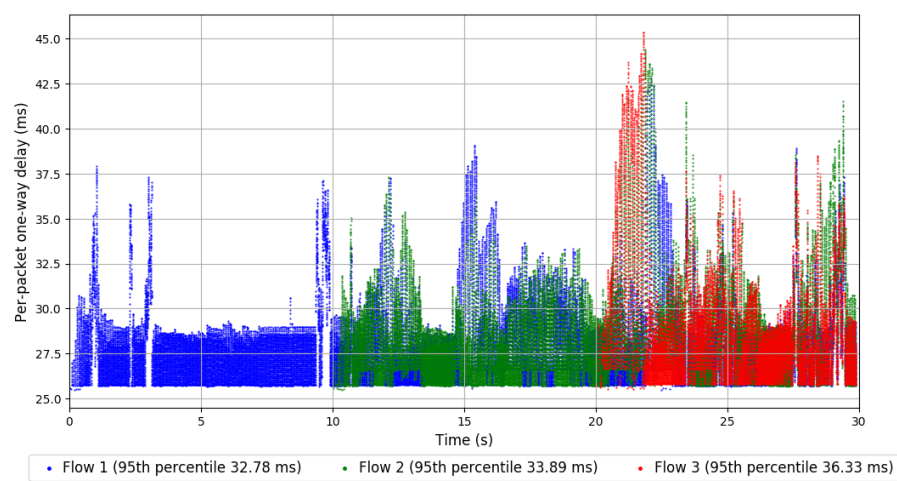
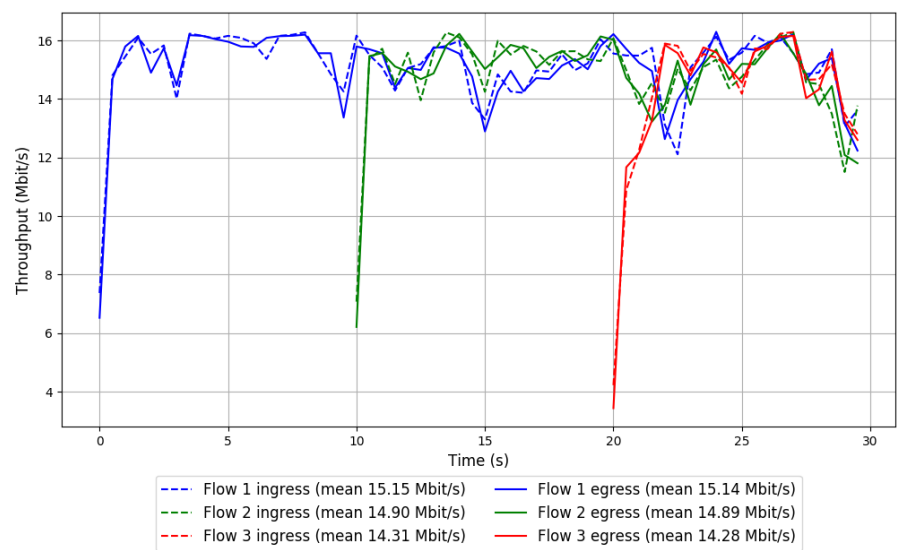


Run 8: Statistics of Sprout

Start at: 2018-02-16 13:31:37
End at: 2018-02-16 13:32:07
Local clock offset: 0.0 ms
Remote clock offset: -8.119 ms

Below is generated by plot.py at 2018-02-16 19:20:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.74 Mbit/s
95th percentile per-packet one-way delay: 33.752 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 15.14 Mbit/s
95th percentile per-packet one-way delay: 32.778 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 14.89 Mbit/s
95th percentile per-packet one-way delay: 33.894 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 14.28 Mbit/s
95th percentile per-packet one-way delay: 36.329 ms
Loss rate: 0.62%

Run 8: Report of Sprout — Data Link

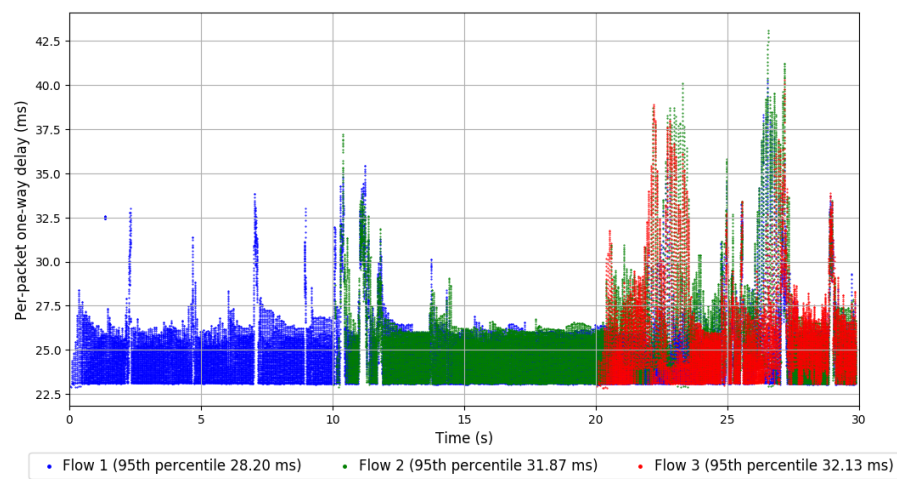
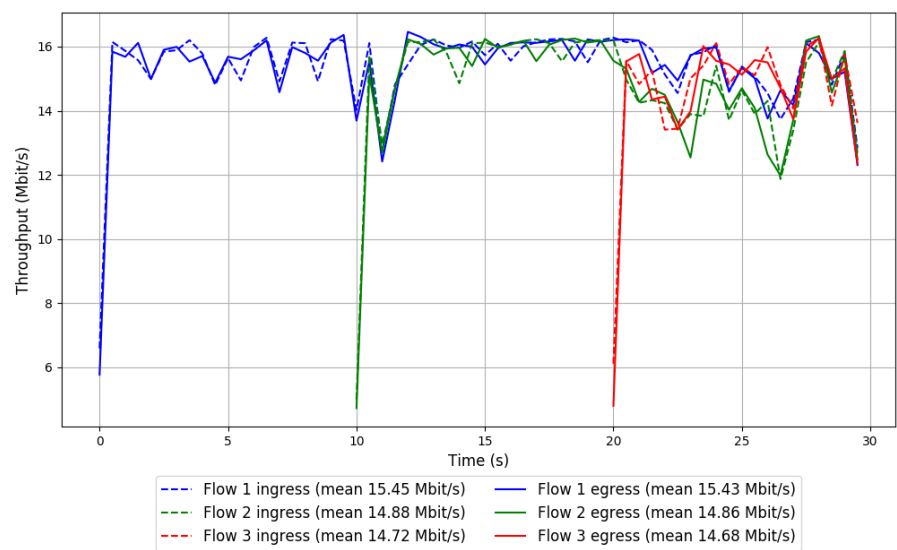


Run 9: Statistics of Sprout

Start at: 2018-02-16 13:56:32
End at: 2018-02-16 13:57:02
Local clock offset: 0.203 ms
Remote clock offset: -5.391 ms

Below is generated by plot.py at 2018-02-16 19:20:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.13 Mbit/s
95th percentile per-packet one-way delay: 30.513 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 15.43 Mbit/s
95th percentile per-packet one-way delay: 28.198 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 14.86 Mbit/s
95th percentile per-packet one-way delay: 31.873 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 14.68 Mbit/s
95th percentile per-packet one-way delay: 32.130 ms
Loss rate: 0.81%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-02-16 14:21:48

End at: 2018-02-16 14:22:18

Local clock offset: 0.355 ms

Remote clock offset: -8.17 ms

Below is generated by plot.py at 2018-02-16 19:20:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 28.57 Mbit/s

95th percentile per-packet one-way delay: 35.041 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 14.68 Mbit/s

95th percentile per-packet one-way delay: 34.517 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 14.13 Mbit/s

95th percentile per-packet one-way delay: 34.901 ms

Loss rate: 0.67%

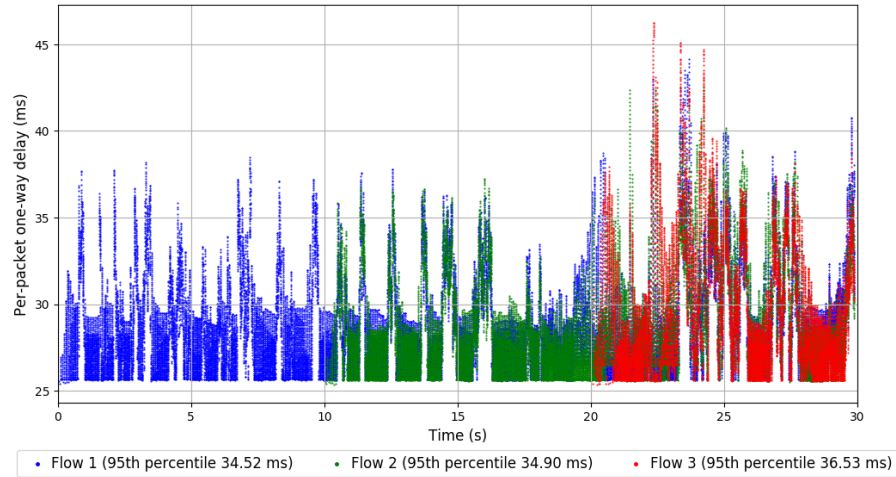
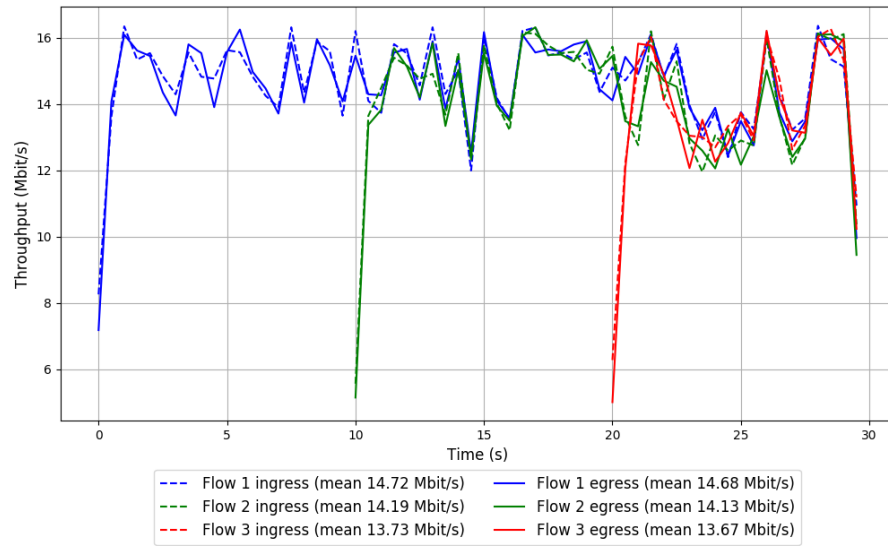
-- Flow 3:

Average throughput: 13.67 Mbit/s

95th percentile per-packet one-way delay: 36.529 ms

Loss rate: 0.99%

Run 10: Report of Sprout — Data Link

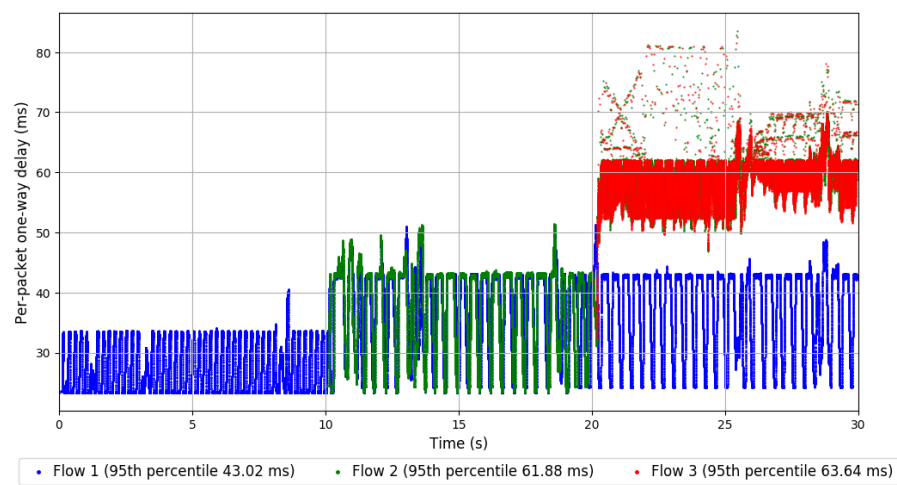
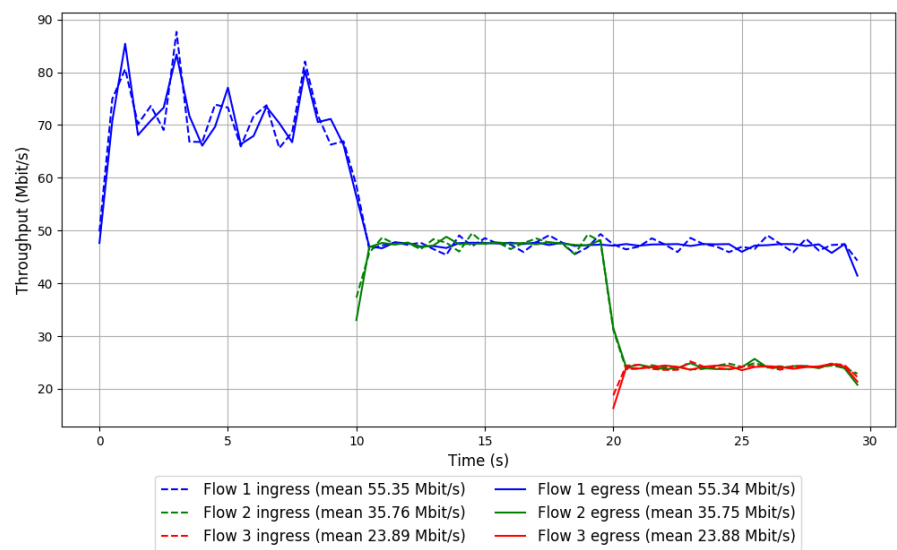


Run 1: Statistics of TaoVA-100x

Start at: 2018-02-16 10:40:19
End at: 2018-02-16 10:40:49
Local clock offset: 0.084 ms
Remote clock offset: -2.928 ms

Below is generated by plot.py at 2018-02-16 19:22:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.02 Mbit/s
95th percentile per-packet one-way delay: 61.417 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 55.34 Mbit/s
95th percentile per-packet one-way delay: 43.023 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 35.75 Mbit/s
95th percentile per-packet one-way delay: 61.883 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 23.88 Mbit/s
95th percentile per-packet one-way delay: 63.643 ms
Loss rate: 0.90%

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

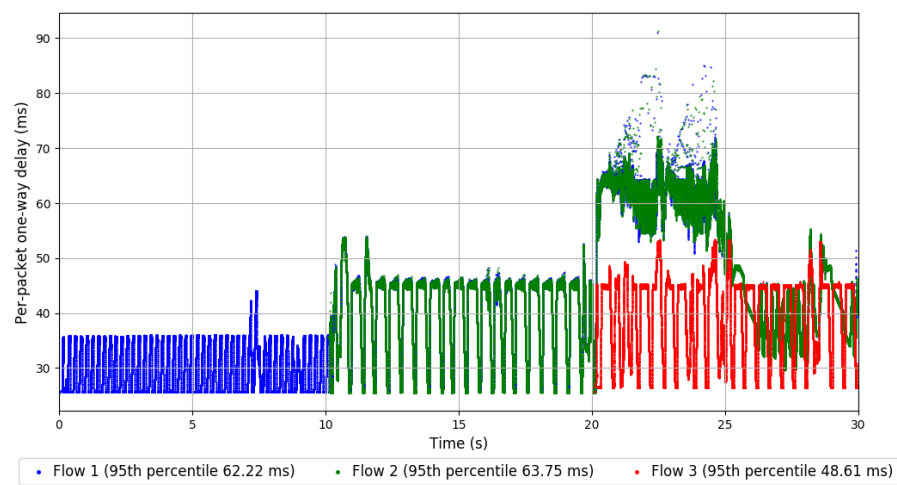
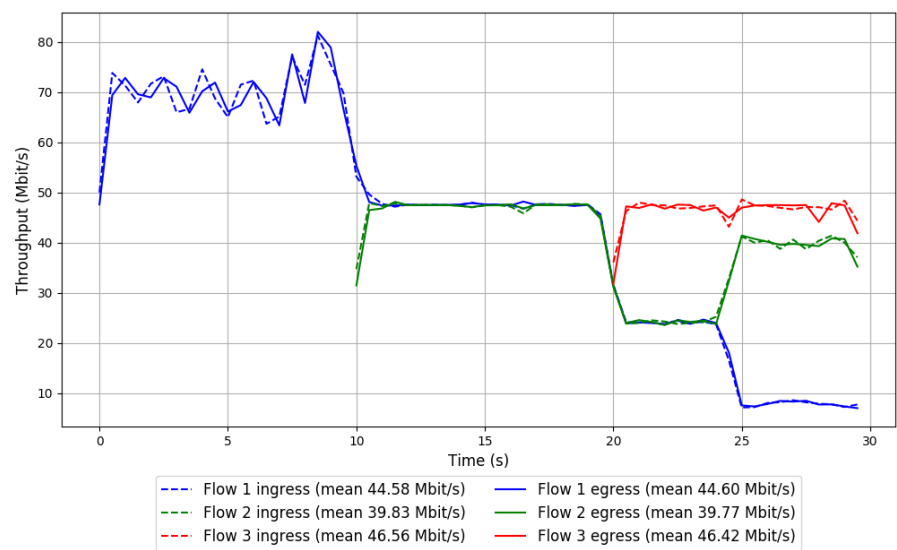


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-16 11:04:52
End at: 2018-02-16 11:05:22
Local clock offset: 0.153 ms
Remote clock offset: -3.965 ms

Below is generated by plot.py at 2018-02-16 19:22:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.43 Mbit/s
95th percentile per-packet one-way delay: 62.358 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 44.60 Mbit/s
95th percentile per-packet one-way delay: 62.215 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 63.752 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 46.42 Mbit/s
95th percentile per-packet one-way delay: 48.610 ms
Loss rate: 0.85%

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

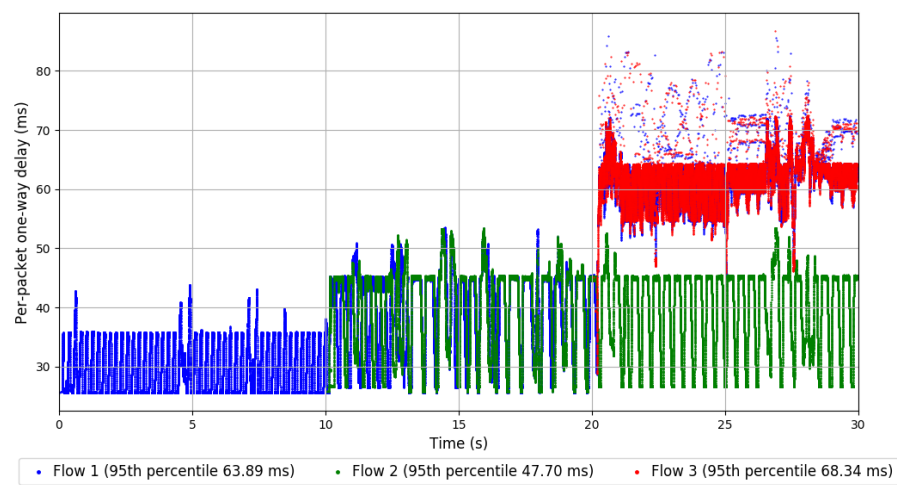
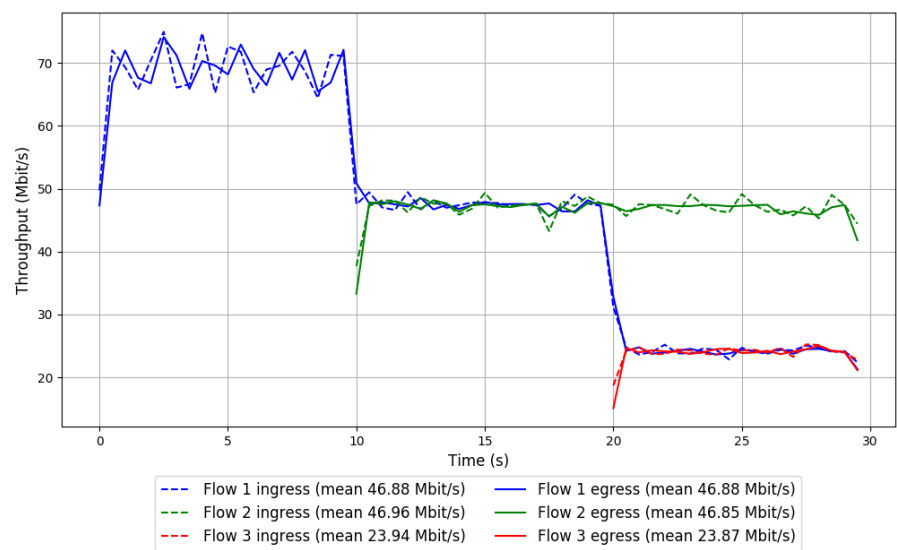


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-16 11:29:43
End at: 2018-02-16 11:30:13
Local clock offset: 0.138 ms
Remote clock offset: -3.428 ms

Below is generated by plot.py at 2018-02-16 19:22:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.94 Mbit/s
95th percentile per-packet one-way delay: 63.973 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 46.88 Mbit/s
95th percentile per-packet one-way delay: 63.891 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 46.85 Mbit/s
95th percentile per-packet one-way delay: 47.700 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 68.337 ms
Loss rate: 1.20%

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

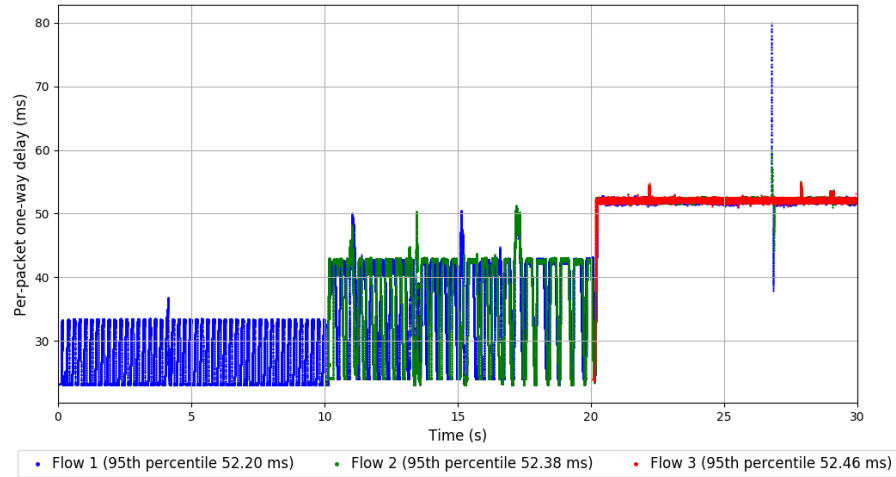
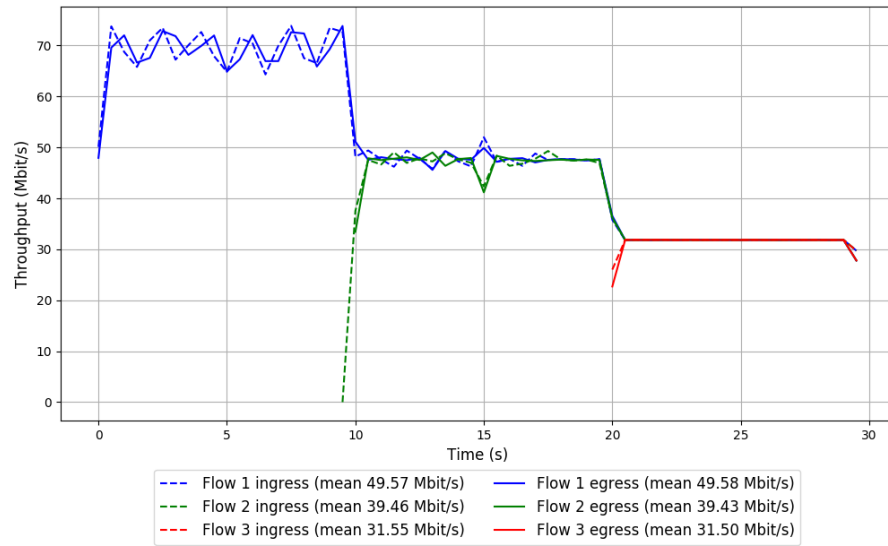


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-16 11:54:21
End at: 2018-02-16 11:54:51
Local clock offset: 0.197 ms
Remote clock offset: -0.458 ms

Below is generated by plot.py at 2018-02-16 19:22:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.25 Mbit/s
95th percentile per-packet one-way delay: 52.348 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 49.58 Mbit/s
95th percentile per-packet one-way delay: 52.197 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 39.43 Mbit/s
95th percentile per-packet one-way delay: 52.375 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 52.461 ms
Loss rate: 0.83%

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

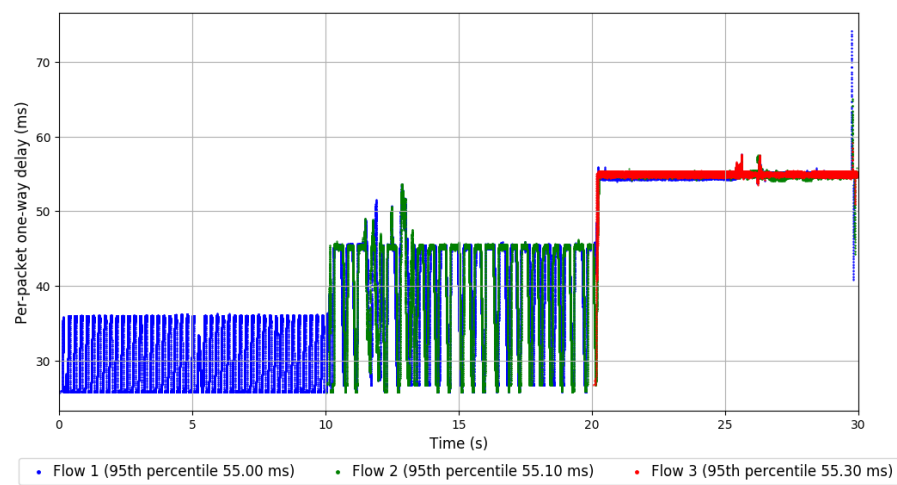
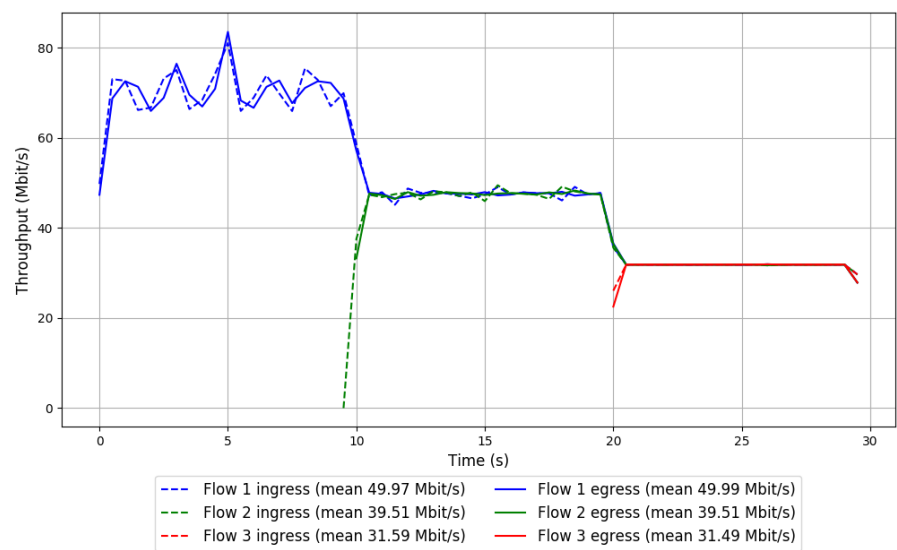


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-16 12:18:55
End at: 2018-02-16 12:19:25
Local clock offset: 0.328 ms
Remote clock offset: -2.654 ms

Below is generated by plot.py at 2018-02-16 19:22:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.72 Mbit/s
95th percentile per-packet one-way delay: 55.111 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: 55.001 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 55.100 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 55.305 ms
Loss rate: 0.84%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-16 12:43:41

End at: 2018-02-16 12:44:11

Local clock offset: 0.103 ms

Remote clock offset: 2.186 ms

Below is generated by plot.py at 2018-02-16 19:22:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.61 Mbit/s

95th percentile per-packet one-way delay: 62.039 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 47.43 Mbit/s

95th percentile per-packet one-way delay: 62.018 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 35.53 Mbit/s

95th percentile per-packet one-way delay: 62.172 ms

Loss rate: 0.35%

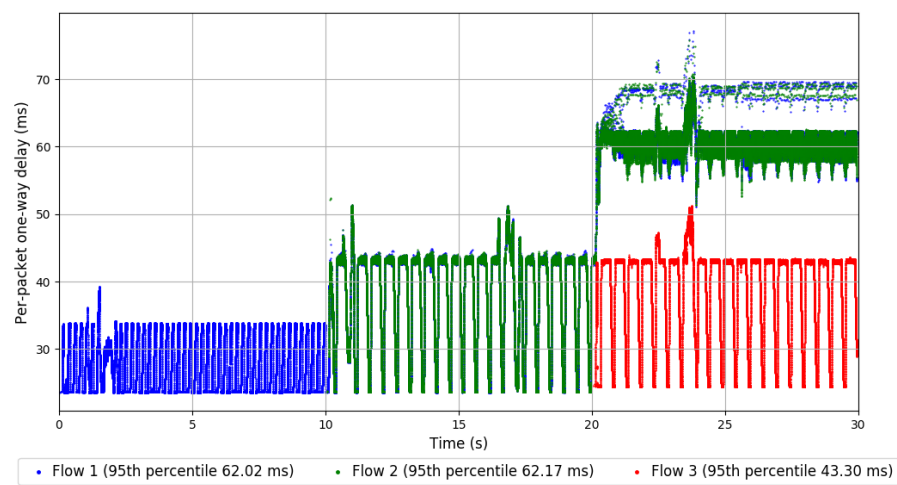
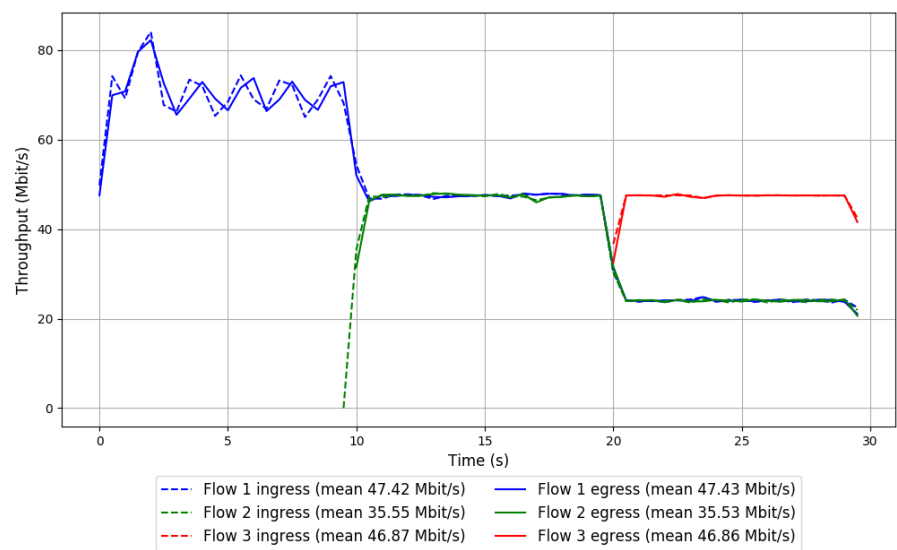
-- Flow 3:

Average throughput: 46.86 Mbit/s

95th percentile per-packet one-way delay: 43.298 ms

Loss rate: 0.56%

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

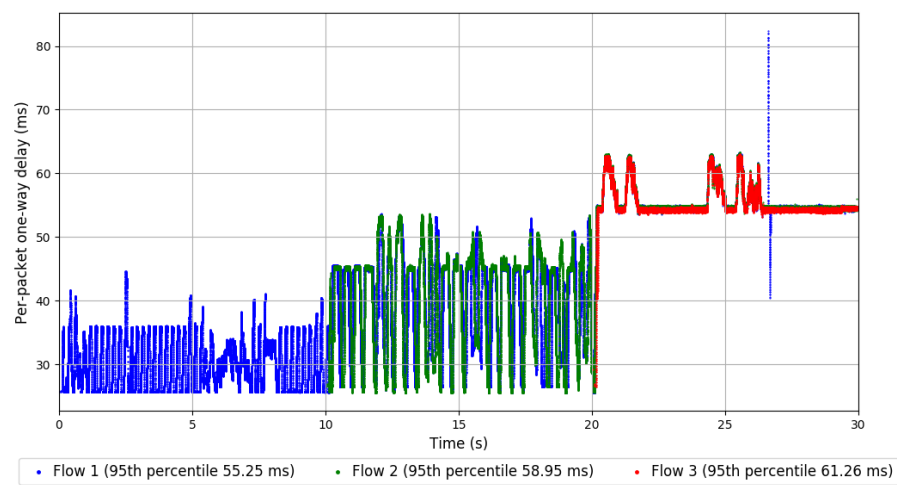
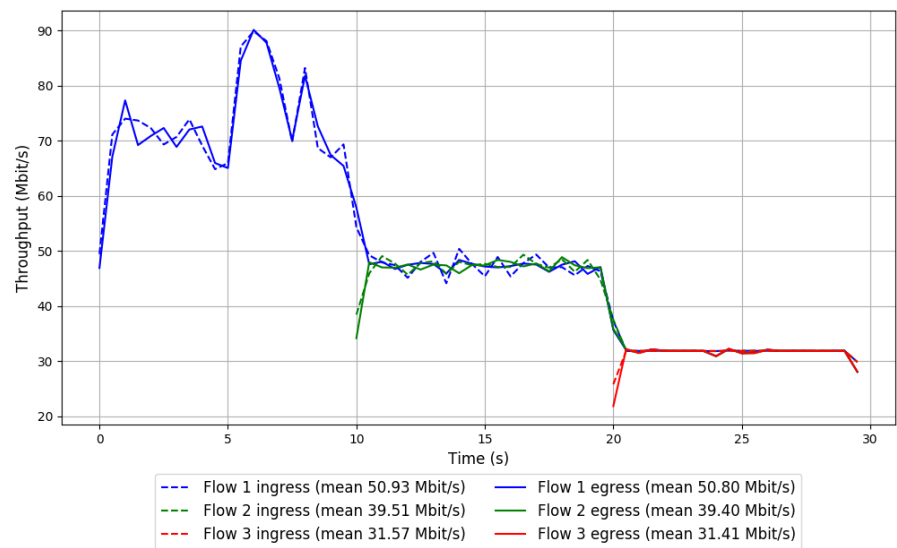


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-16 13:08:18
End at: 2018-02-16 13:08:48
Local clock offset: -0.038 ms
Remote clock offset: -6.956 ms

Below is generated by plot.py at 2018-02-16 19:22:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.42 Mbit/s
95th percentile per-packet one-way delay: 58.349 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 50.80 Mbit/s
95th percentile per-packet one-way delay: 55.251 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 58.949 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 61.259 ms
Loss rate: 1.08%

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

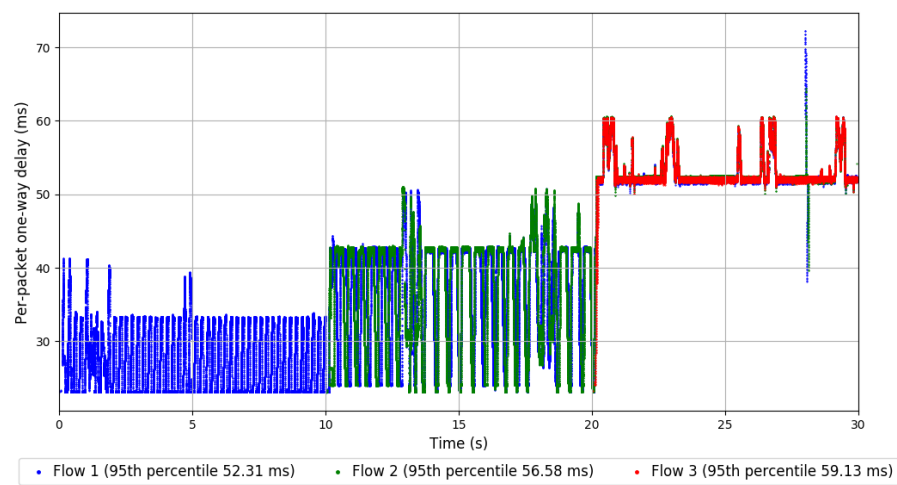
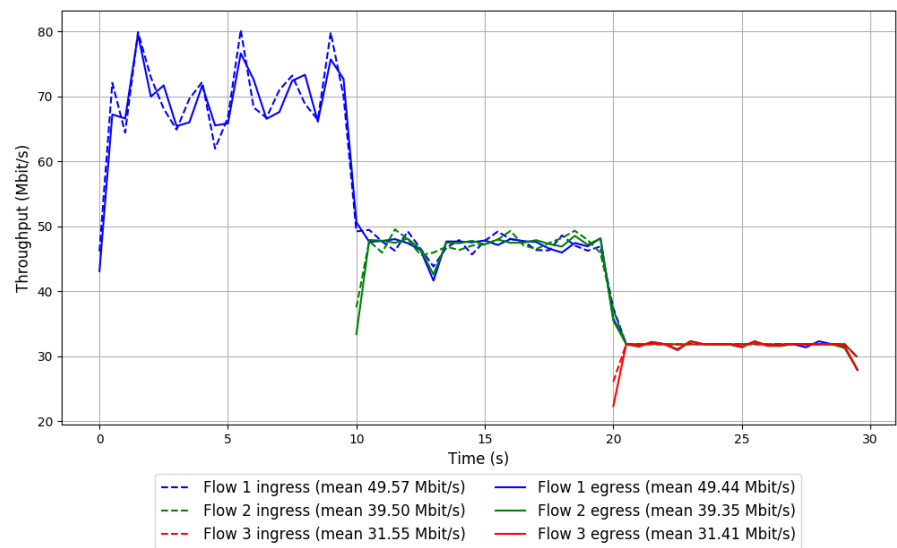


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-16 13:32:56
End at: 2018-02-16 13:33:26
Local clock offset: -0.016 ms
Remote clock offset: -5.462 ms

Below is generated by plot.py at 2018-02-16 19:22:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.03 Mbit/s
95th percentile per-packet one-way delay: 56.046 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 49.44 Mbit/s
95th percentile per-packet one-way delay: 52.312 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 39.35 Mbit/s
95th percentile per-packet one-way delay: 56.583 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 59.134 ms
Loss rate: 1.10%

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

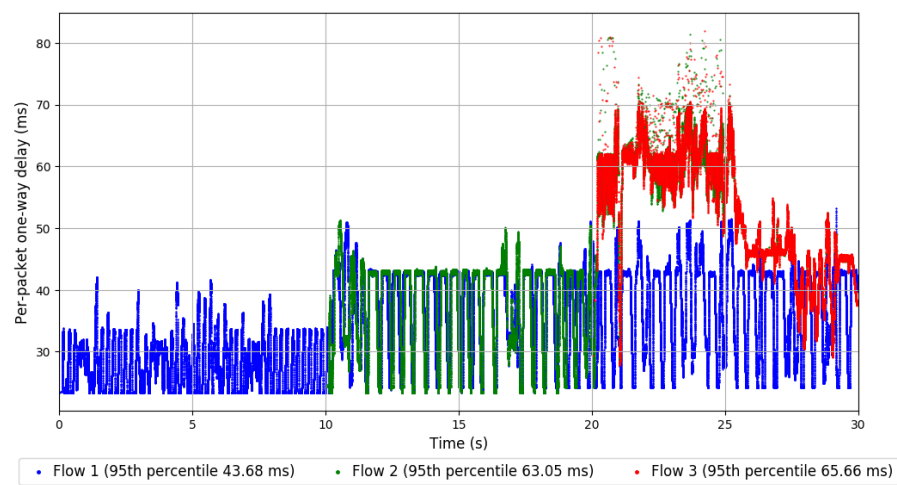
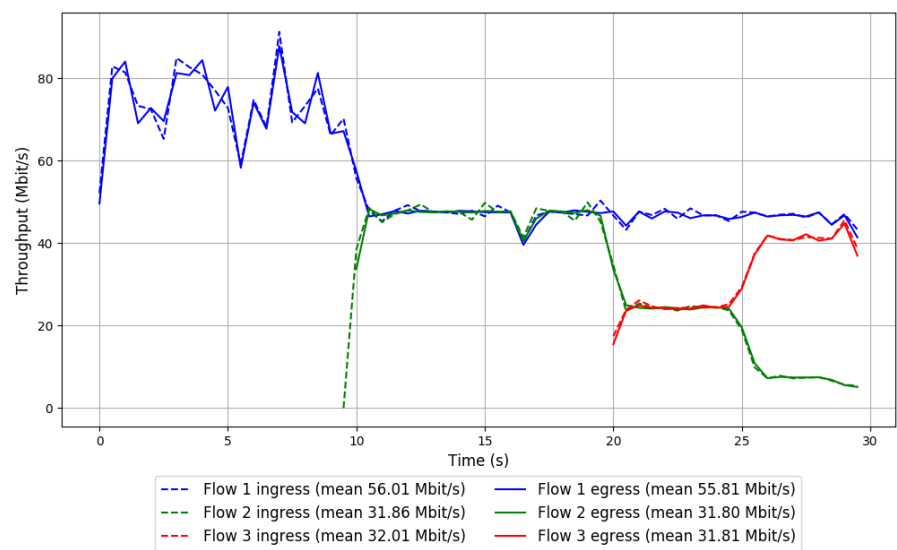


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-16 13:57:51
End at: 2018-02-16 13:58:21
Local clock offset: 0.24 ms
Remote clock offset: -5.722 ms

Below is generated by plot.py at 2018-02-16 19:24:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 61.242 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 55.81 Mbit/s
95th percentile per-packet one-way delay: 43.676 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 63.047 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 65.662 ms
Loss rate: 1.20%

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

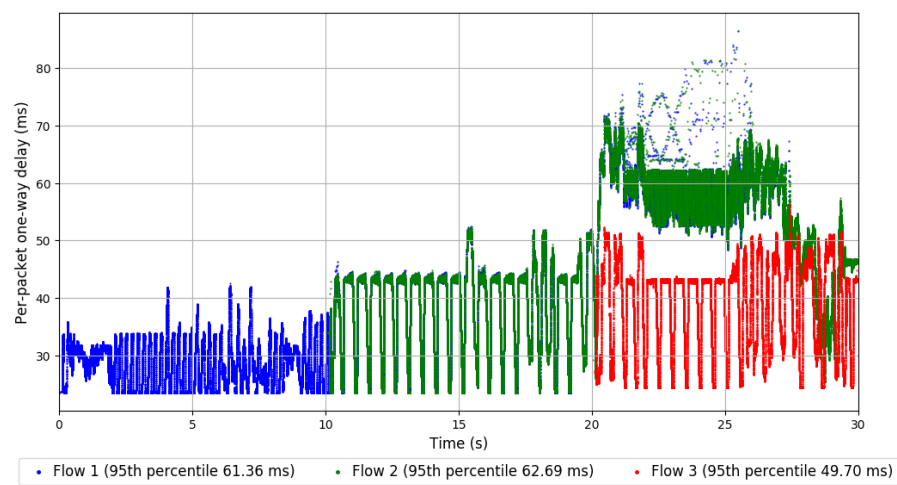
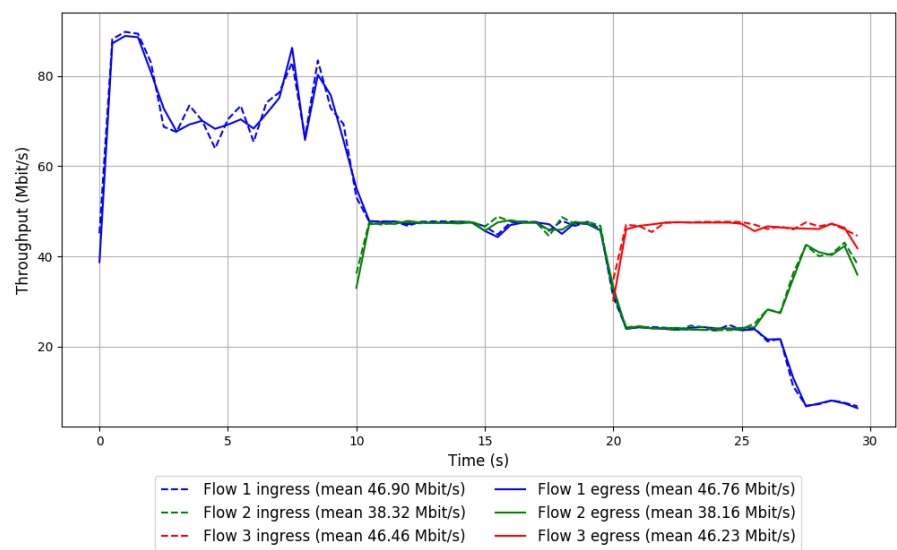


Run 10: Statistics of TaoVA-100x

Start at: 2018-02-16 14:23:07
End at: 2018-02-16 14:23:37
Local clock offset: 0.352 ms
Remote clock offset: -6.197 ms

Below is generated by plot.py at 2018-02-16 19:24:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.44 Mbit/s
95th percentile per-packet one-way delay: 61.674 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 46.76 Mbit/s
95th percentile per-packet one-way delay: 61.356 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 38.16 Mbit/s
95th percentile per-packet one-way delay: 62.693 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 46.23 Mbit/s
95th percentile per-packet one-way delay: 49.701 ms
Loss rate: 1.08%

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

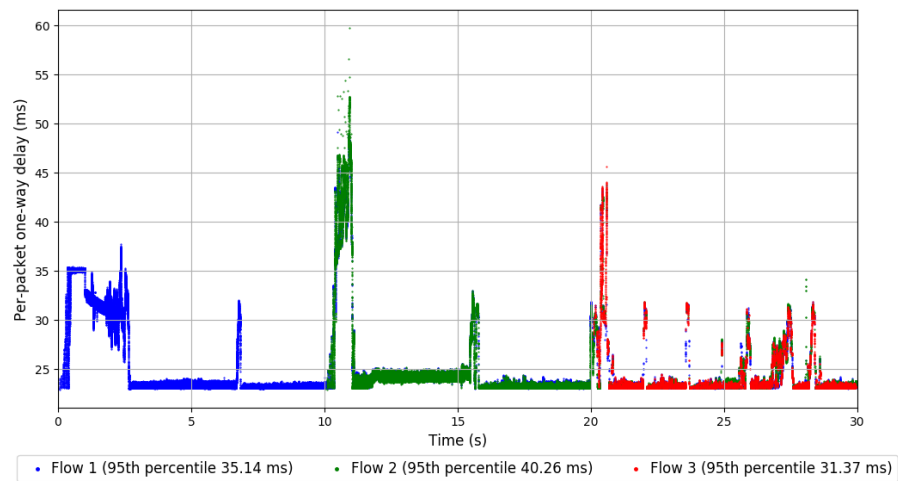
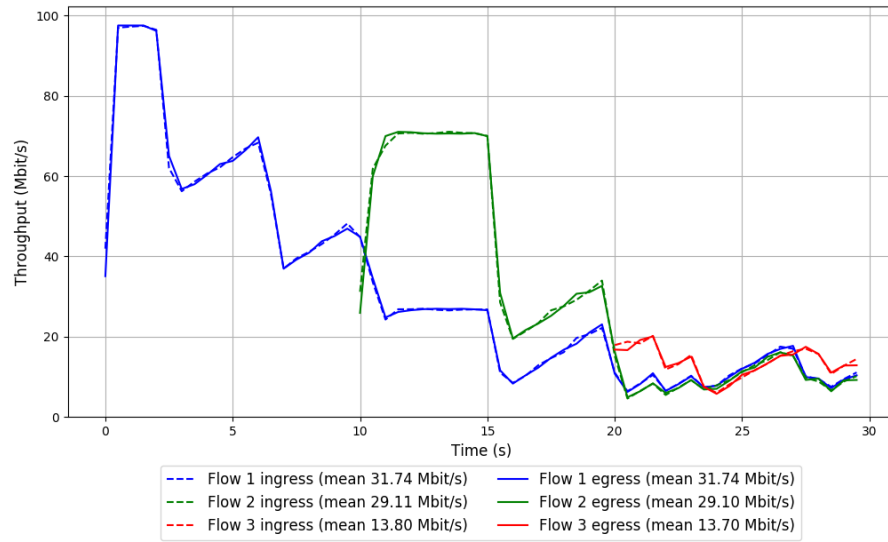


Run 1: Statistics of TCP Vegas

Start at: 2018-02-16 10:41:44
End at: 2018-02-16 10:42:14
Local clock offset: 0.154 ms
Remote clock offset: -2.551 ms

Below is generated by plot.py at 2018-02-16 19:24:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.62 Mbit/s
95th percentile per-packet one-way delay: 35.187 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 35.144 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 29.10 Mbit/s
95th percentile per-packet one-way delay: 40.261 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 13.70 Mbit/s
95th percentile per-packet one-way delay: 31.374 ms
Loss rate: 1.34%

Run 1: Report of TCP Vegas — Data Link

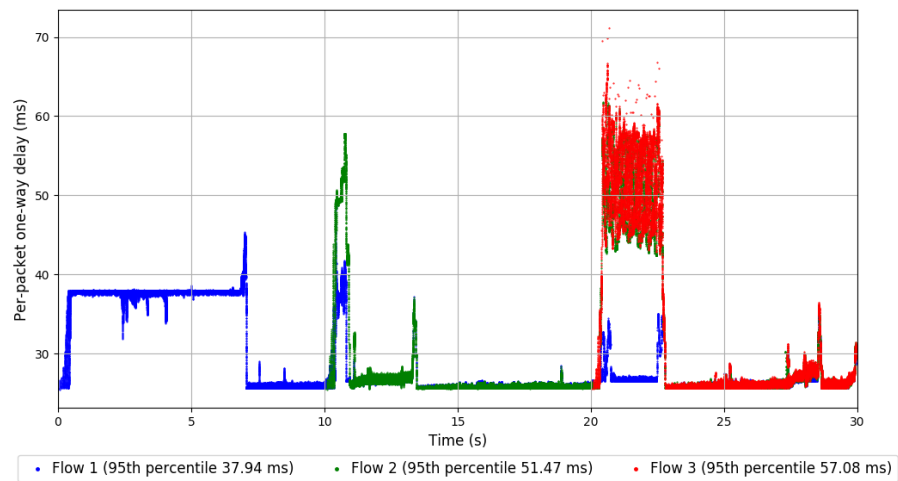
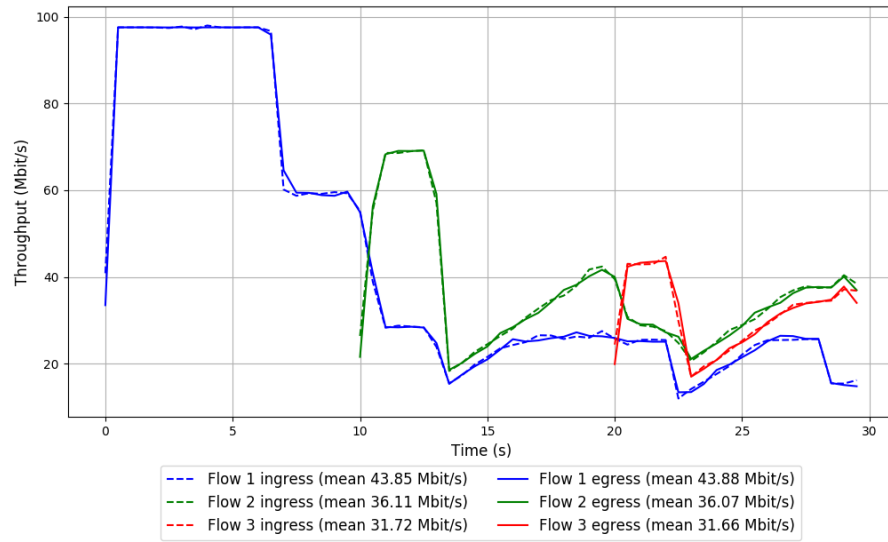


Run 2: Statistics of TCP Vegas

Start at: 2018-02-16 11:06:17
End at: 2018-02-16 11:06:47
Local clock offset: 0.247 ms
Remote clock offset: -3.834 ms

Below is generated by plot.py at 2018-02-16 19:24:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.35 Mbit/s
95th percentile per-packet one-way delay: 49.392 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 43.88 Mbit/s
95th percentile per-packet one-way delay: 37.943 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.07 Mbit/s
95th percentile per-packet one-way delay: 51.470 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 57.079 ms
Loss rate: 0.71%

Run 2: Report of TCP Vegas — Data Link

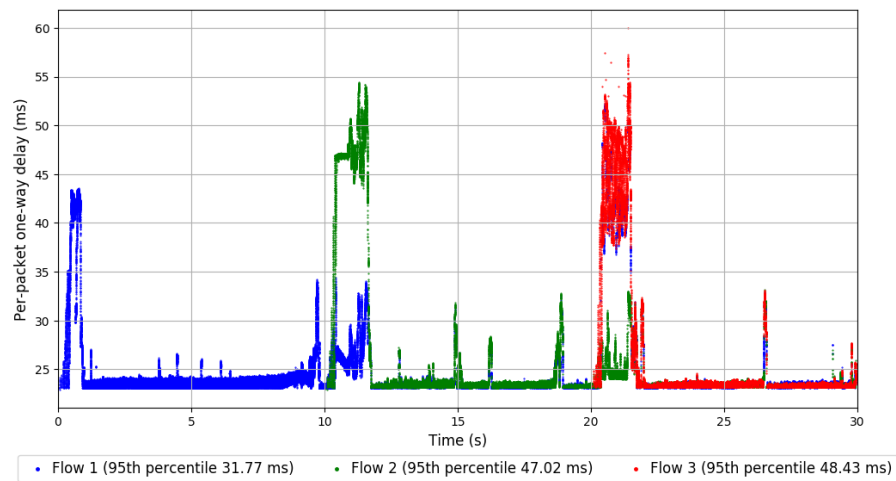
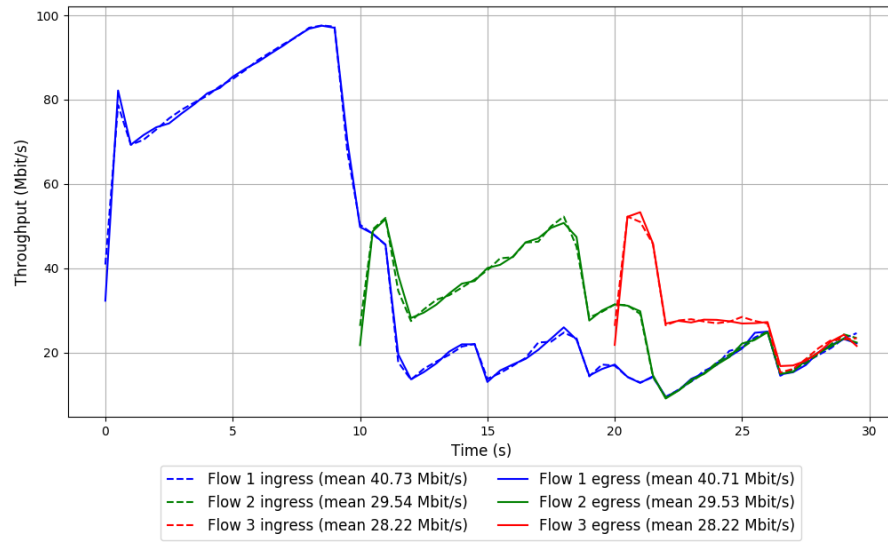


Run 3: Statistics of TCP Vegas

Start at: 2018-02-16 11:31:13
End at: 2018-02-16 11:31:43
Local clock offset: 0.229 ms
Remote clock offset: -0.747 ms

Below is generated by plot.py at 2018-02-16 19:24:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.69 Mbit/s
95th percentile per-packet one-way delay: 43.173 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 40.71 Mbit/s
95th percentile per-packet one-way delay: 31.775 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 29.53 Mbit/s
95th percentile per-packet one-way delay: 47.025 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 28.22 Mbit/s
95th percentile per-packet one-way delay: 48.434 ms
Loss rate: 0.56%

Run 3: Report of TCP Vegas — Data Link

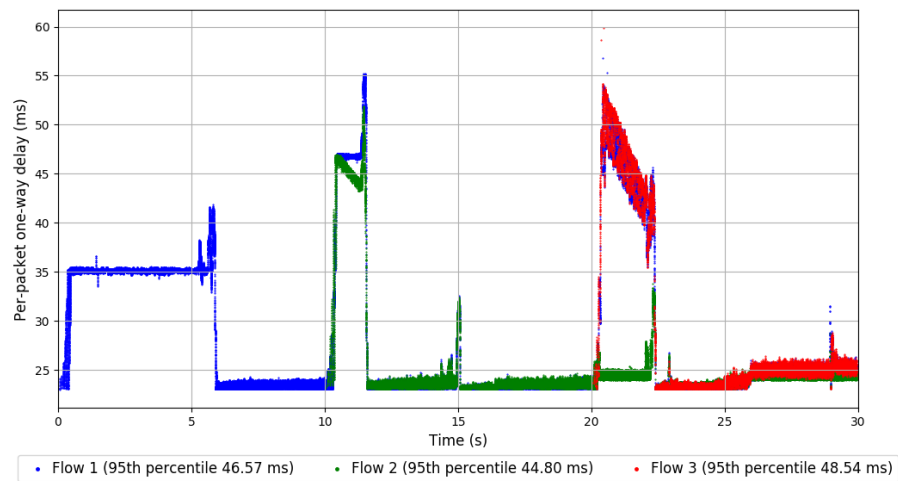
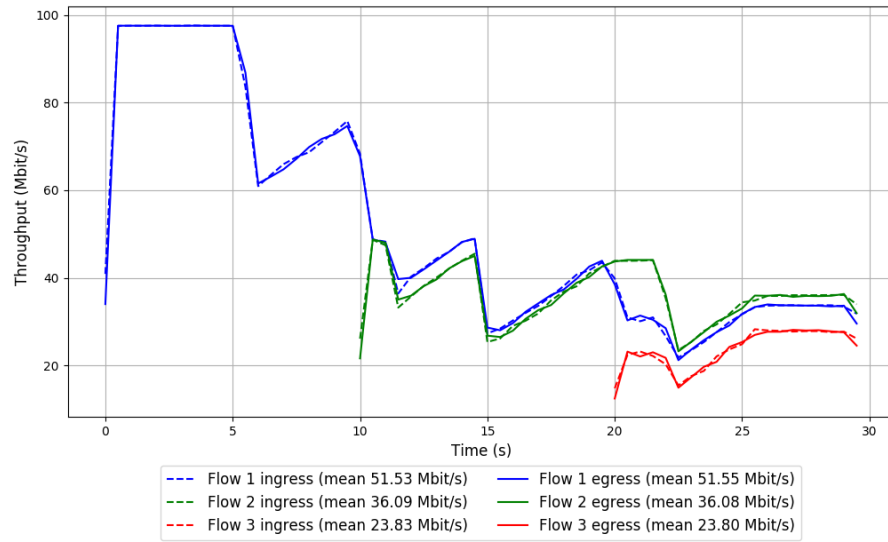


Run 4: Statistics of TCP Vegas

Start at: 2018-02-16 11:55:46
End at: 2018-02-16 11:56:16
Local clock offset: 0.153 ms
Remote clock offset: -0.367 ms

Below is generated by plot.py at 2018-02-16 19:24:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.43 Mbit/s
95th percentile per-packet one-way delay: 45.906 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 51.55 Mbit/s
95th percentile per-packet one-way delay: 46.572 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 36.08 Mbit/s
95th percentile per-packet one-way delay: 44.805 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 23.80 Mbit/s
95th percentile per-packet one-way delay: 48.544 ms
Loss rate: 0.65%

Run 4: Report of TCP Vegas — Data Link

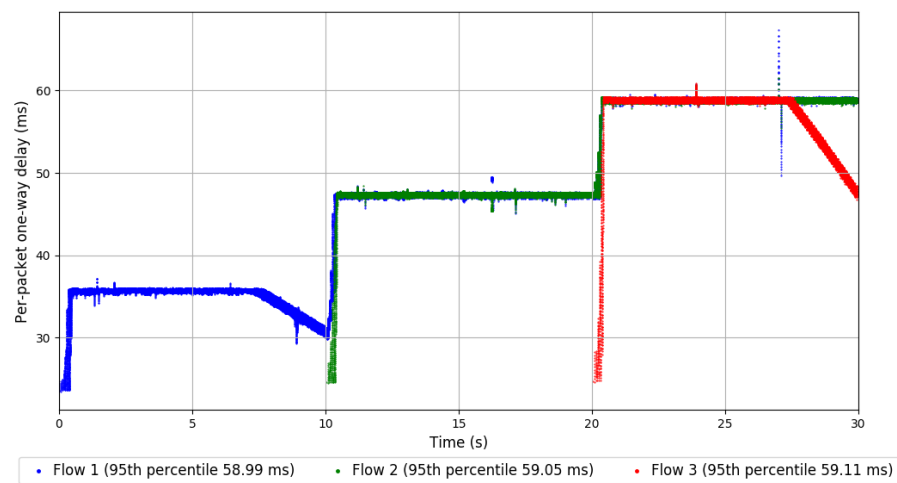
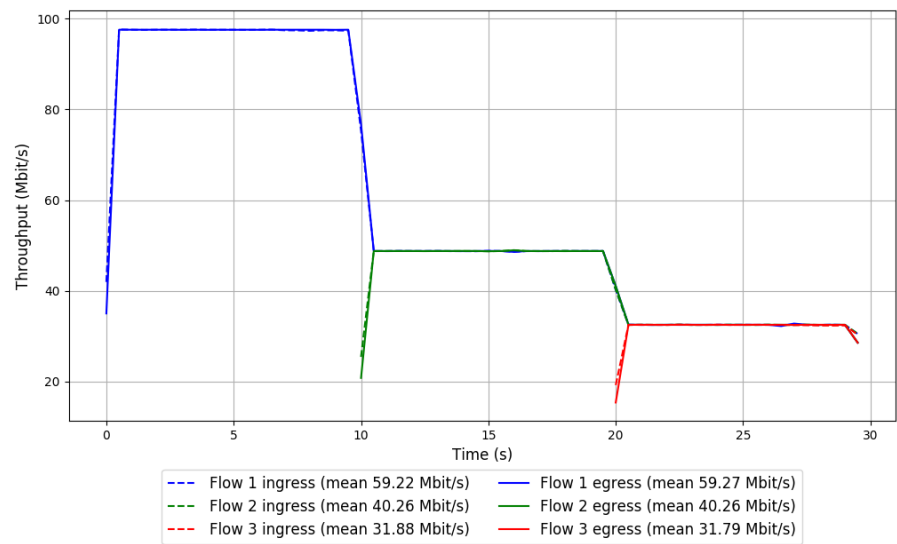


Run 5: Statistics of TCP Vegas

Start at: 2018-02-16 12:20:20
End at: 2018-02-16 12:20:50
Local clock offset: 0.239 ms
Remote clock offset: -0.254 ms

Below is generated by plot.py at 2018-02-16 19:24:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 59.040 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 59.27 Mbit/s
95th percentile per-packet one-way delay: 58.991 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 40.26 Mbit/s
95th percentile per-packet one-way delay: 59.046 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 59.108 ms
Loss rate: 0.79%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-02-16 12:45:08

End at: 2018-02-16 12:45:38

Local clock offset: 0.074 ms

Remote clock offset: 2.71 ms

Below is generated by plot.py at 2018-02-16 19:24:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.73 Mbit/s

95th percentile per-packet one-way delay: 46.667 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 56.57 Mbit/s

95th percentile per-packet one-way delay: 46.692 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 42.08 Mbit/s

95th percentile per-packet one-way delay: 46.653 ms

Loss rate: 0.23%

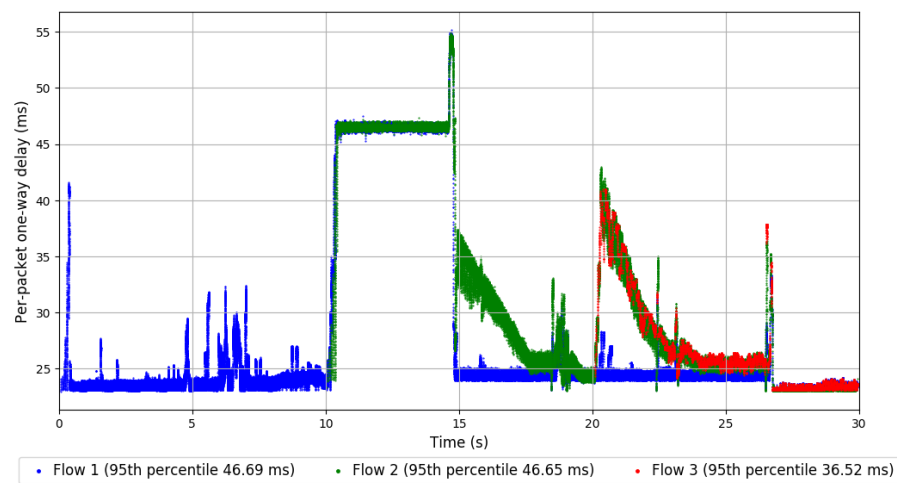
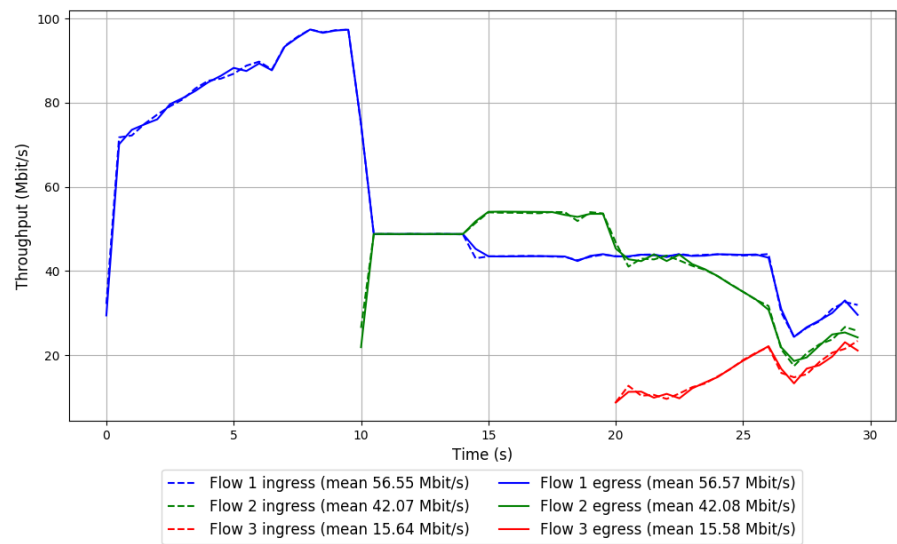
-- Flow 3:

Average throughput: 15.58 Mbit/s

95th percentile per-packet one-way delay: 36.523 ms

Loss rate: 0.94%

Run 6: Report of TCP Vegas — Data Link

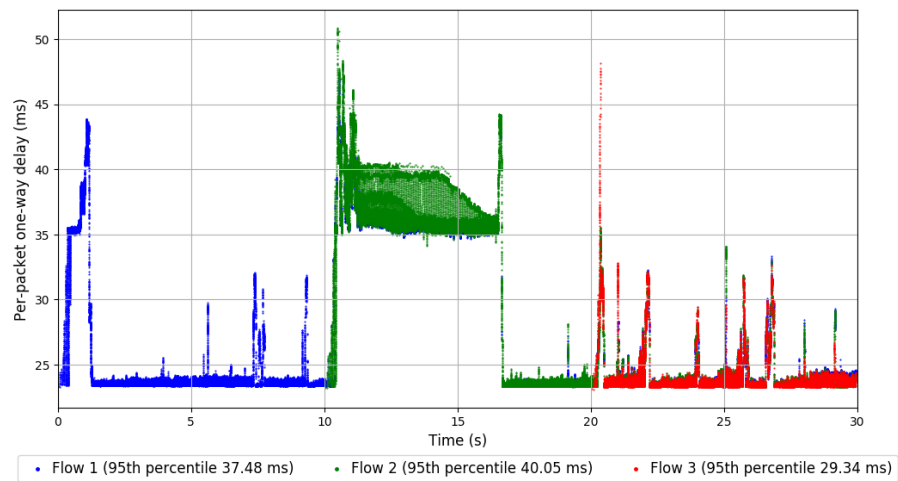
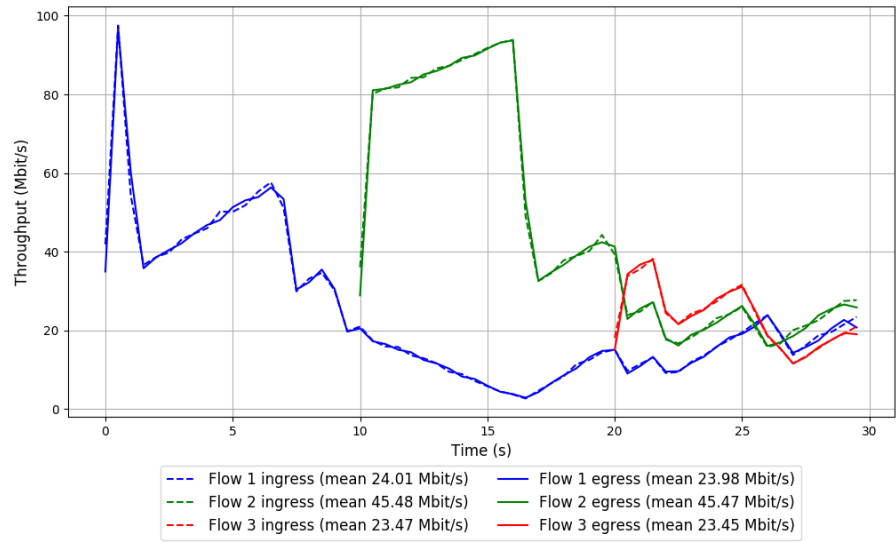


Run 7: Statistics of TCP Vegas

Start at: 2018-02-16 13:09:44
End at: 2018-02-16 13:10:14
Local clock offset: -0.108 ms
Remote clock offset: -5.002 ms

Below is generated by plot.py at 2018-02-16 19:24:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.98 Mbit/s
95th percentile per-packet one-way delay: 39.466 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 37.478 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 45.47 Mbit/s
95th percentile per-packet one-way delay: 40.055 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 29.338 ms
Loss rate: 0.64%

Run 7: Report of TCP Vegas — Data Link

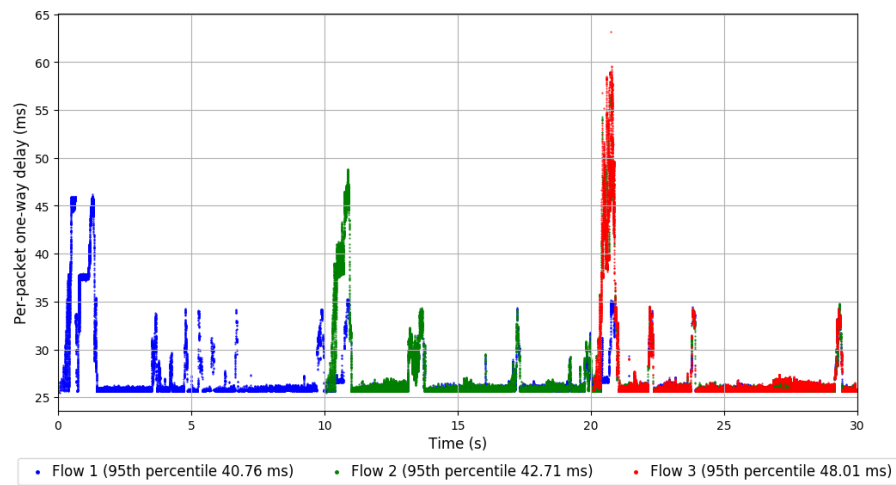
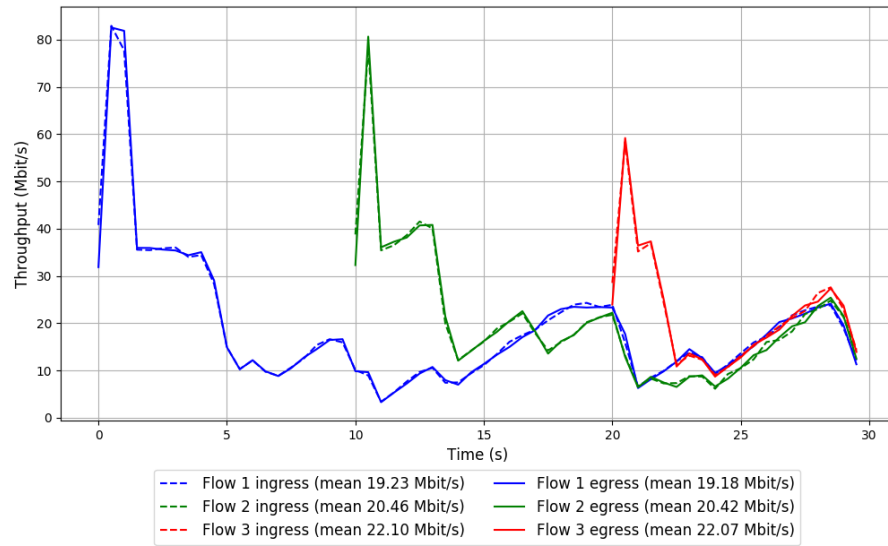


Run 8: Statistics of TCP Vegas

Start at: 2018-02-16 13:34:25
End at: 2018-02-16 13:34:55
Local clock offset: -0.019 ms
Remote clock offset: -7.965 ms

Below is generated by plot.py at 2018-02-16 19:24:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.06 Mbit/s
95th percentile per-packet one-way delay: 44.277 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 19.18 Mbit/s
95th percentile per-packet one-way delay: 40.764 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 20.42 Mbit/s
95th percentile per-packet one-way delay: 42.713 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 22.07 Mbit/s
95th percentile per-packet one-way delay: 48.005 ms
Loss rate: 0.67%

Run 8: Report of TCP Vegas — Data Link

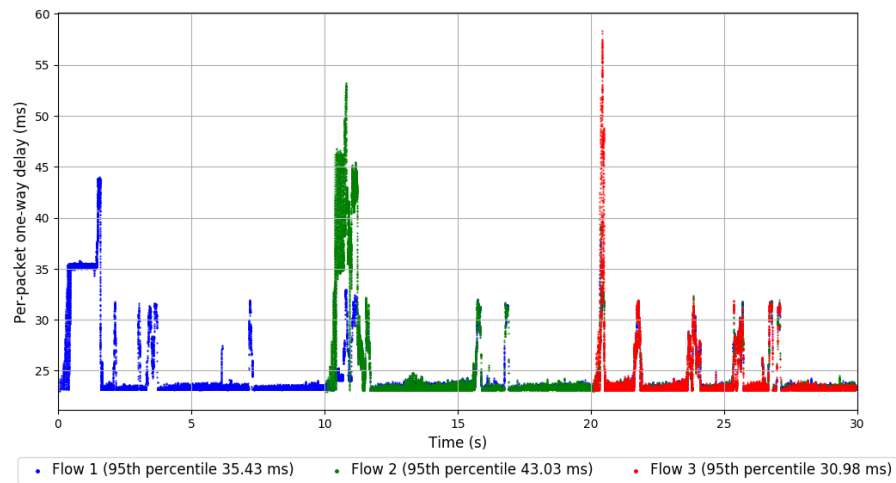
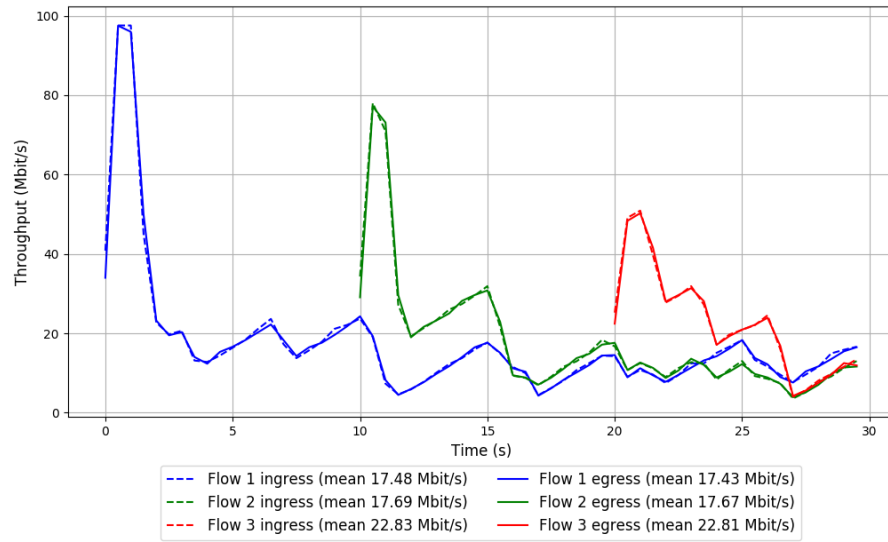


Run 9: Statistics of TCP Vegas

Start at: 2018-02-16 13:59:16
End at: 2018-02-16 13:59:46
Local clock offset: 0.247 ms
Remote clock offset: -5.499 ms

Below is generated by plot.py at 2018-02-16 19:24:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.72 Mbit/s
95th percentile per-packet one-way delay: 38.389 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 17.43 Mbit/s
95th percentile per-packet one-way delay: 35.430 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 17.67 Mbit/s
95th percentile per-packet one-way delay: 43.033 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 22.81 Mbit/s
95th percentile per-packet one-way delay: 30.977 ms
Loss rate: 0.66%

Run 9: Report of TCP Vegas — Data Link

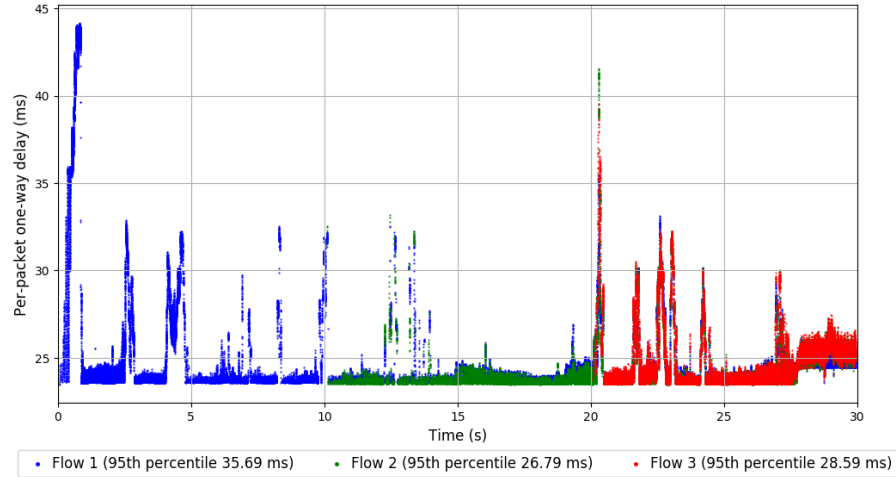
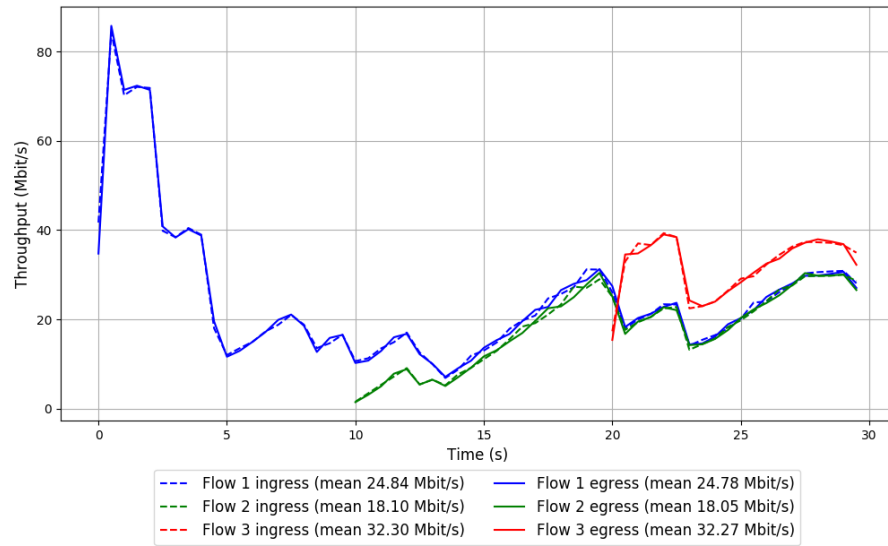


Run 10: Statistics of TCP Vegas

Start at: 2018-02-16 14:24:38
End at: 2018-02-16 14:25:08
Local clock offset: 0.332 ms
Remote clock offset: -6.224 ms

Below is generated by plot.py at 2018-02-16 19:24:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.46 Mbit/s
95th percentile per-packet one-way delay: 30.358 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 35.692 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 18.05 Mbit/s
95th percentile per-packet one-way delay: 26.788 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 28.589 ms
Loss rate: 0.63%

Run 10: Report of TCP Vegas — Data Link

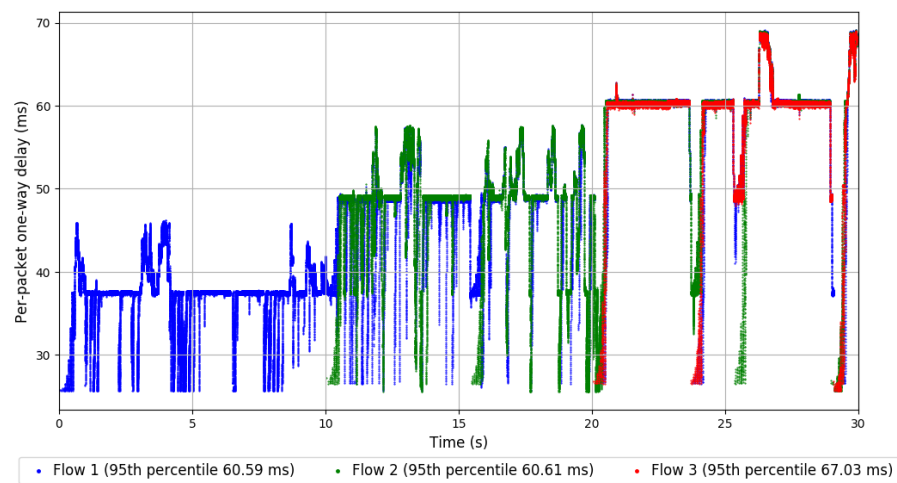
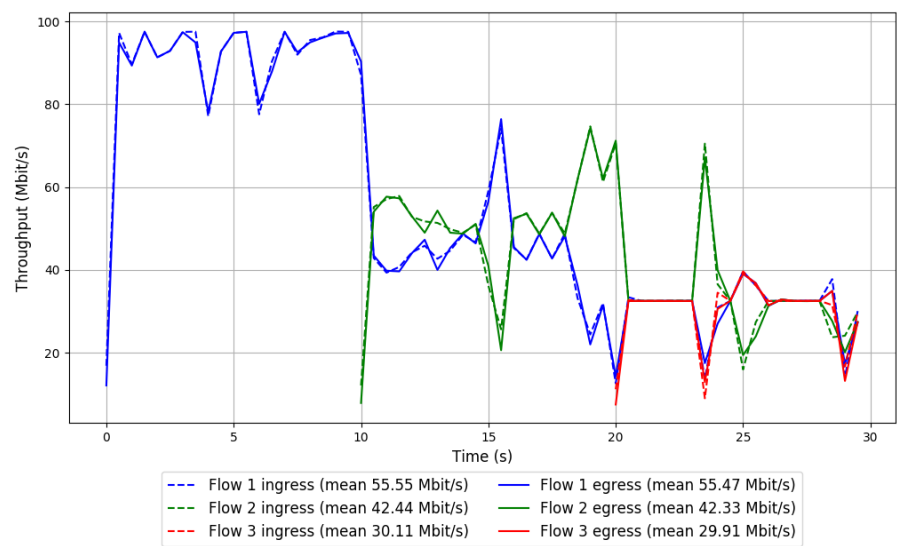


Run 1: Statistics of Verus

Start at: 2018-02-16 10:43:04
End at: 2018-02-16 10:43:34
Local clock offset: 0.161 ms
Remote clock offset: -5.087 ms

Below is generated by plot.py at 2018-02-16 19:25:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.51 Mbit/s
95th percentile per-packet one-way delay: 60.613 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 55.47 Mbit/s
95th percentile per-packet one-way delay: 60.586 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 42.33 Mbit/s
95th percentile per-packet one-way delay: 60.612 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 29.91 Mbit/s
95th percentile per-packet one-way delay: 67.030 ms
Loss rate: 1.18%

Run 1: Report of Verus — Data Link

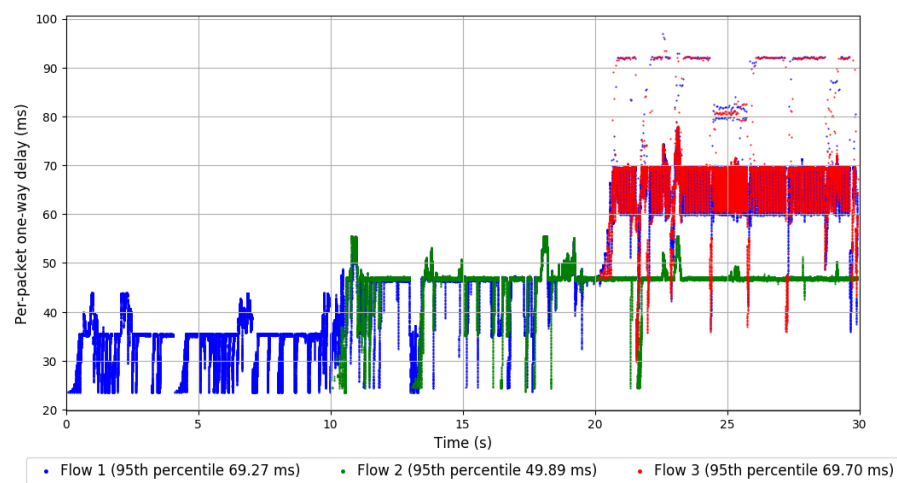
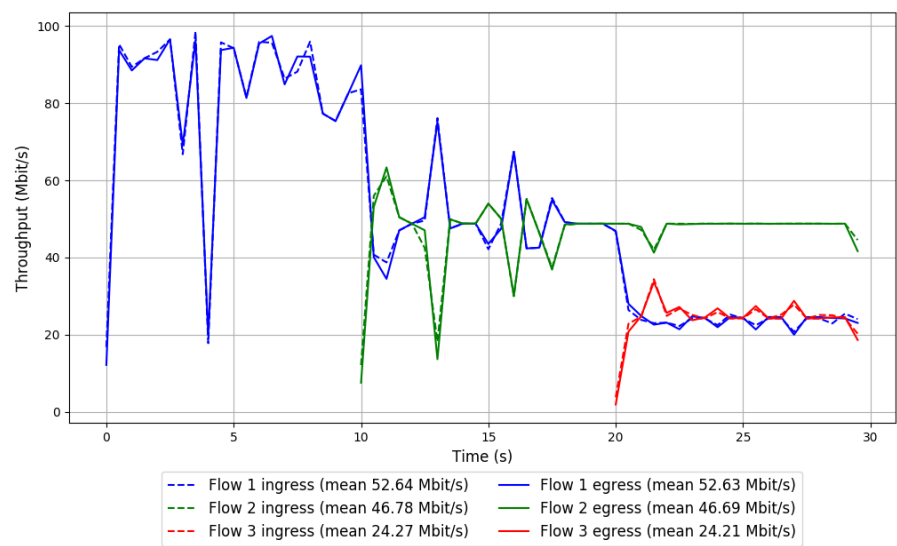


Run 2: Statistics of Verus

Start at: 2018-02-16 11:07:39
End at: 2018-02-16 11:08:09
Local clock offset: 0.145 ms
Remote clock offset: -1.696 ms

Below is generated by plot.py at 2018-02-16 19:25:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 69.390 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 52.63 Mbit/s
95th percentile per-packet one-way delay: 69.269 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 46.69 Mbit/s
95th percentile per-packet one-way delay: 49.888 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 24.21 Mbit/s
95th percentile per-packet one-way delay: 69.702 ms
Loss rate: 1.09%

Run 2: Report of Verus — Data Link

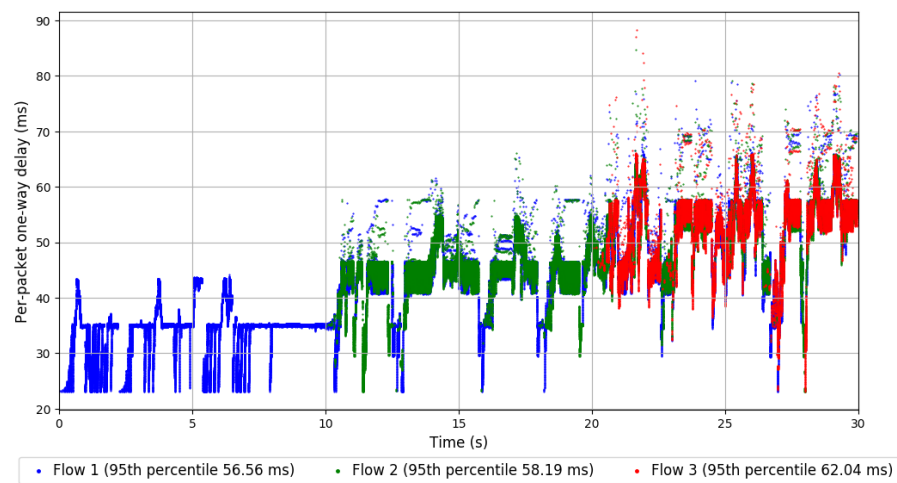
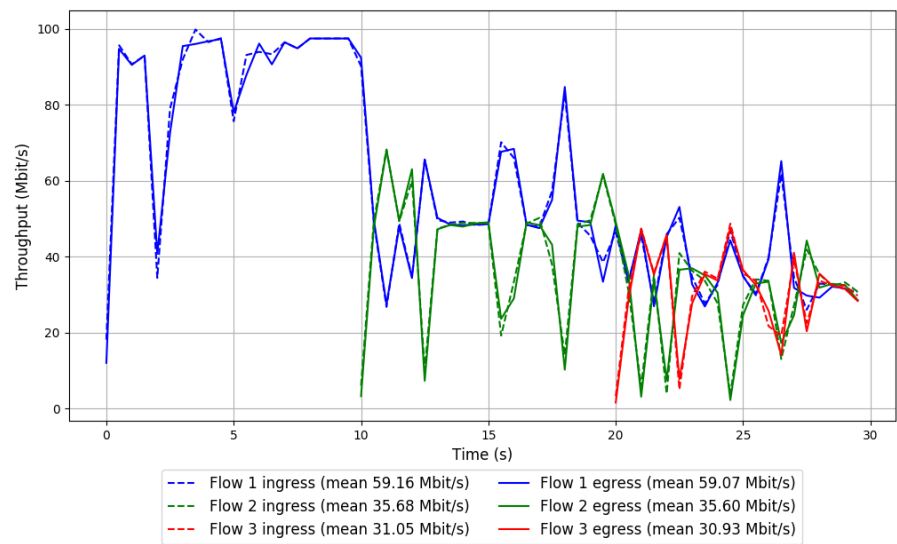


Run 3: Statistics of Verus

Start at: 2018-02-16 11:32:34
End at: 2018-02-16 11:33:04
Local clock offset: 0.205 ms
Remote clock offset: -0.638 ms

Below is generated by plot.py at 2018-02-16 19:25:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.92 Mbit/s
95th percentile per-packet one-way delay: 57.529 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 59.07 Mbit/s
95th percentile per-packet one-way delay: 56.561 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 35.60 Mbit/s
95th percentile per-packet one-way delay: 58.194 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 30.93 Mbit/s
95th percentile per-packet one-way delay: 62.037 ms
Loss rate: 1.32%

Run 3: Report of Verus — Data Link

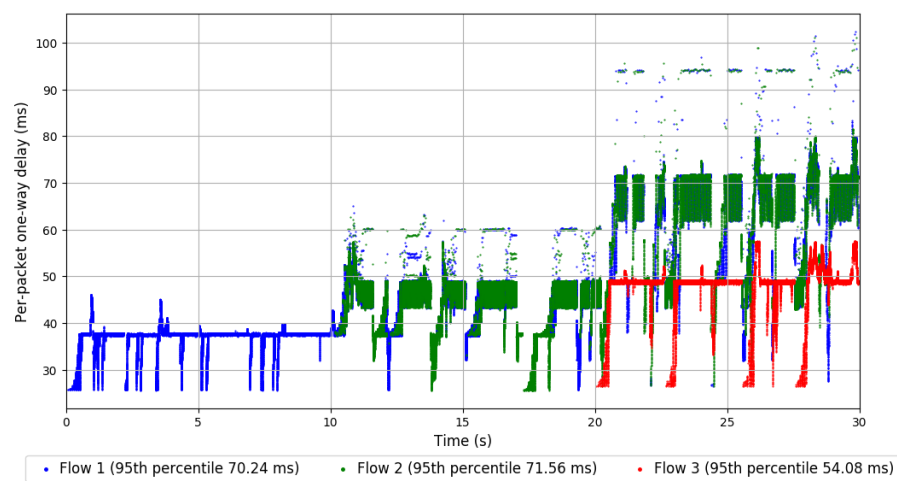
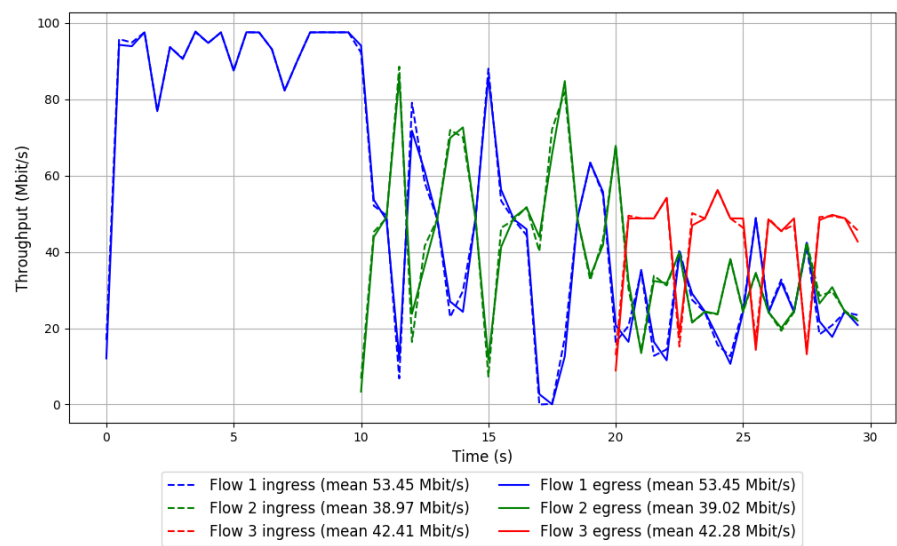


Run 4: Statistics of Verus

Start at: 2018-02-16 11:57:07
End at: 2018-02-16 11:57:37
Local clock offset: 0.168 ms
Remote clock offset: -2.915 ms

Below is generated by plot.py at 2018-02-16 19:25:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 71.194 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 53.45 Mbit/s
95th percentile per-packet one-way delay: 70.243 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 39.02 Mbit/s
95th percentile per-packet one-way delay: 71.558 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 42.28 Mbit/s
95th percentile per-packet one-way delay: 54.077 ms
Loss rate: 0.96%

Run 4: Report of Verus — Data Link

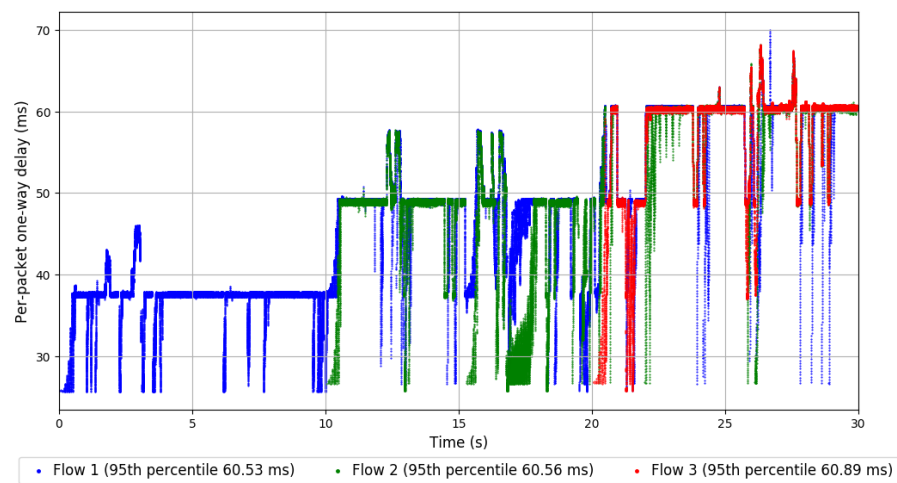
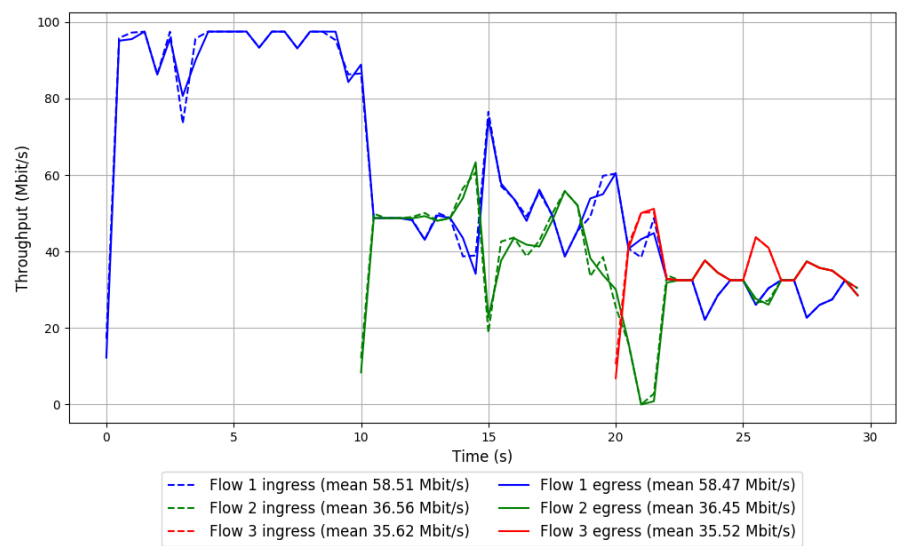


Run 5: Statistics of Verus

Start at: 2018-02-16 12:21:42
End at: 2018-02-16 12:22:12
Local clock offset: 0.234 ms
Remote clock offset: -2.018 ms

Below is generated by plot.py at 2018-02-16 19:25:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 60.600 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 58.47 Mbit/s
95th percentile per-packet one-way delay: 60.529 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 36.45 Mbit/s
95th percentile per-packet one-way delay: 60.560 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 35.52 Mbit/s
95th percentile per-packet one-way delay: 60.893 ms
Loss rate: 0.81%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-02-16 12:46:32

End at: 2018-02-16 12:47:02

Local clock offset: 0.065 ms

Remote clock offset: 0.187 ms

Below is generated by plot.py at 2018-02-16 19:26:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.77 Mbit/s

95th percentile per-packet one-way delay: 71.004 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 53.46 Mbit/s

95th percentile per-packet one-way delay: 70.051 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 46.46 Mbit/s

95th percentile per-packet one-way delay: 56.475 ms

Loss rate: 0.48%

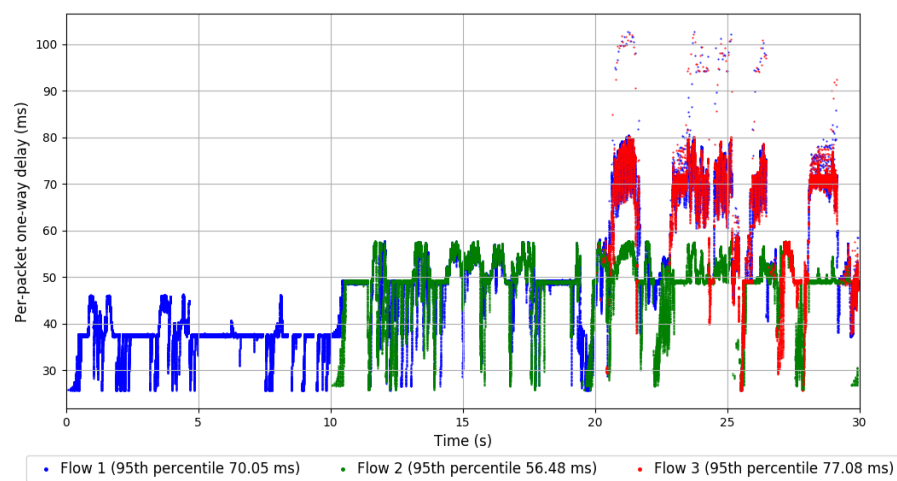
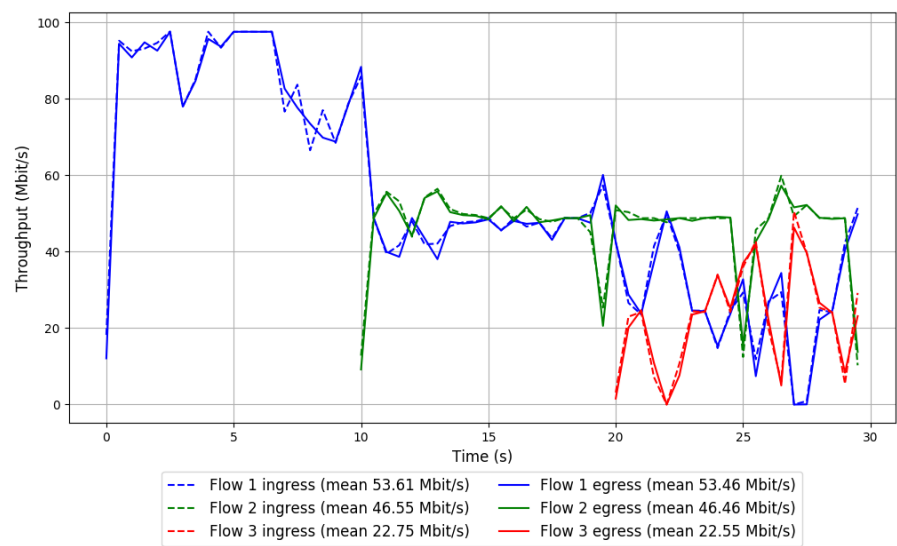
-- Flow 3:

Average throughput: 22.55 Mbit/s

95th percentile per-packet one-way delay: 77.083 ms

Loss rate: 1.78%

Run 6: Report of Verus — Data Link

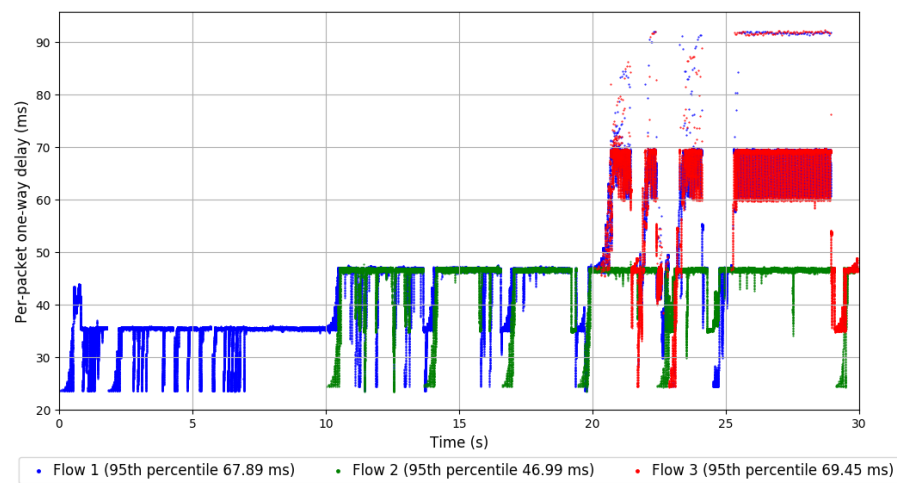
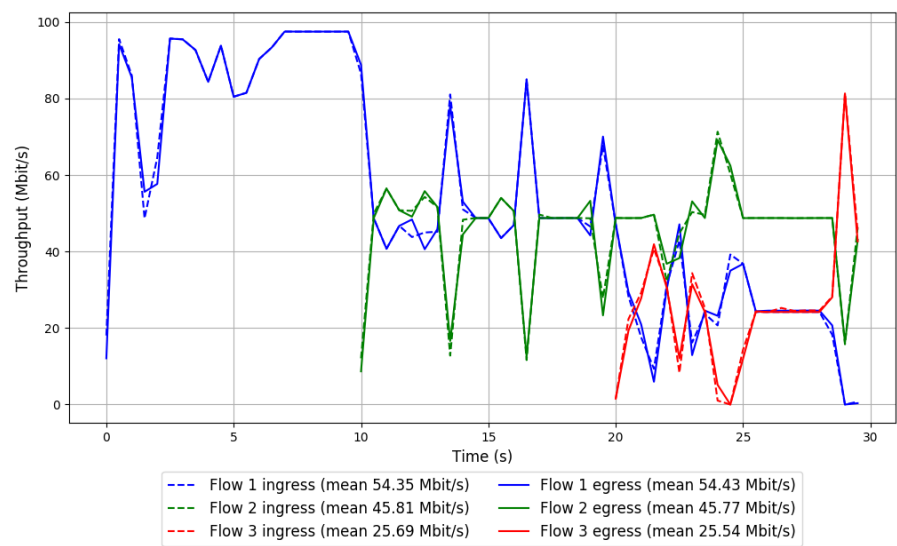


Run 7: Statistics of Verus

Start at: 2018-02-16 13:11:05
End at: 2018-02-16 13:11:35
Local clock offset: -0.084 ms
Remote clock offset: -5.343 ms

Below is generated by plot.py at 2018-02-16 19:26:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.22 Mbit/s
95th percentile per-packet one-way delay: 68.778 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 54.43 Mbit/s
95th percentile per-packet one-way delay: 67.891 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 45.77 Mbit/s
95th percentile per-packet one-way delay: 46.993 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 25.54 Mbit/s
95th percentile per-packet one-way delay: 69.450 ms
Loss rate: 1.39%

Run 7: Report of Verus — Data Link

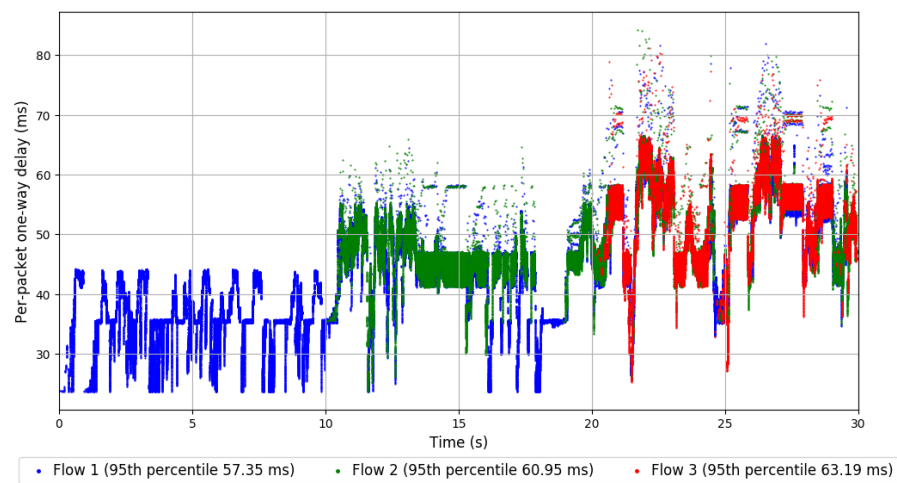
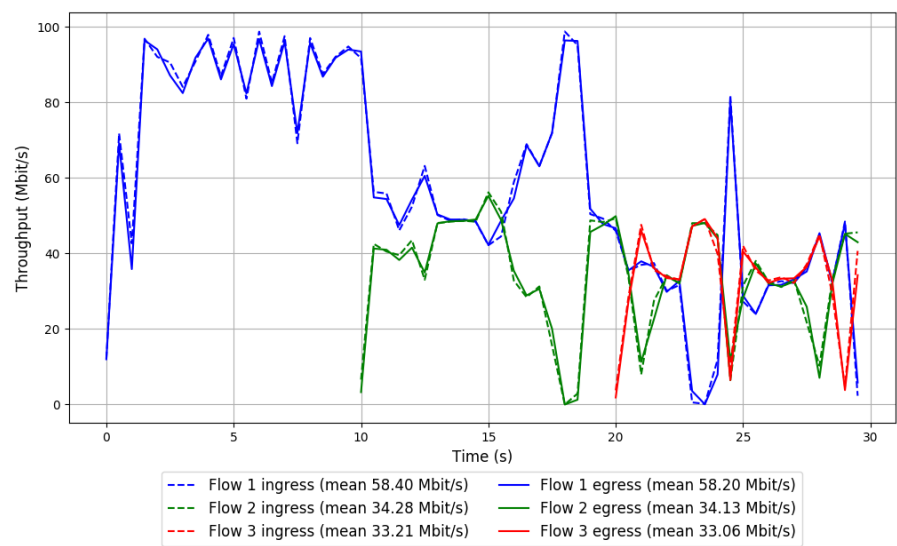


Run 8: Statistics of Verus

Start at: 2018-02-16 13:35:45
End at: 2018-02-16 13:36:15
Local clock offset: -0.033 ms
Remote clock offset: -5.946 ms

Below is generated by plot.py at 2018-02-16 19:26:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.72 Mbit/s
95th percentile per-packet one-way delay: 59.405 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 58.20 Mbit/s
95th percentile per-packet one-way delay: 57.352 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 34.13 Mbit/s
95th percentile per-packet one-way delay: 60.947 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 33.06 Mbit/s
95th percentile per-packet one-way delay: 63.185 ms
Loss rate: 1.32%

Run 8: Report of Verus — Data Link

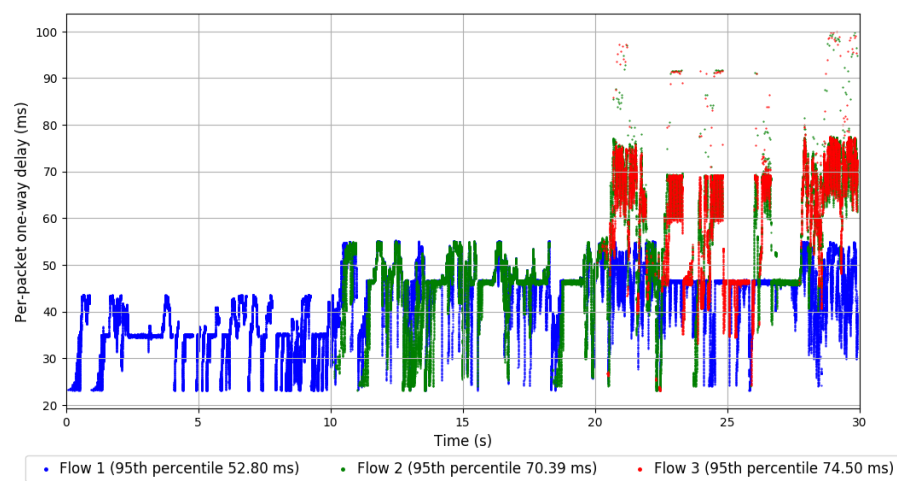
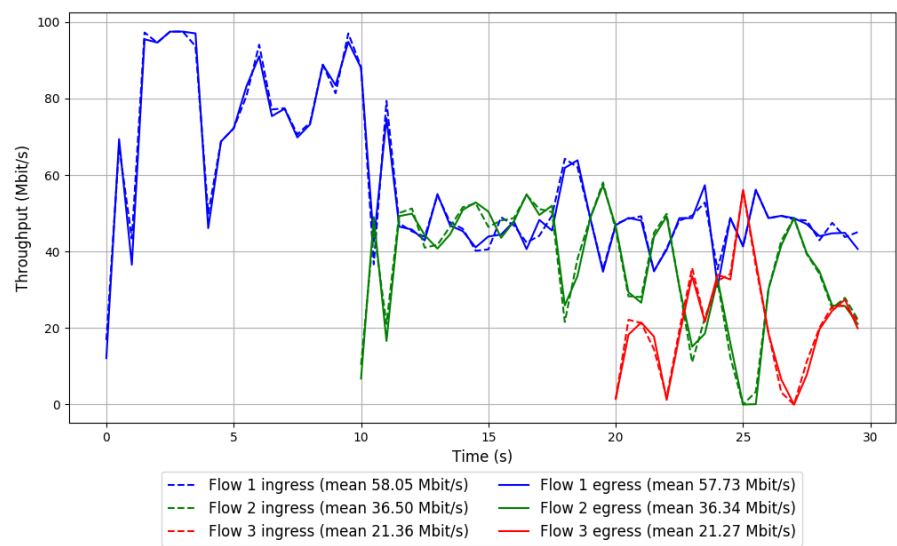


Run 9: Statistics of Verus

Start at: 2018-02-16 14:00:36
End at: 2018-02-16 14:01:06
Local clock offset: 0.259 ms
Remote clock offset: -5.521 ms

Below is generated by plot.py at 2018-02-16 19:26:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.88 Mbit/s
95th percentile per-packet one-way delay: 67.805 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 57.73 Mbit/s
95th percentile per-packet one-way delay: 52.805 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 36.34 Mbit/s
95th percentile per-packet one-way delay: 70.389 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 21.27 Mbit/s
95th percentile per-packet one-way delay: 74.505 ms
Loss rate: 1.42%

Run 9: Report of Verus — Data Link

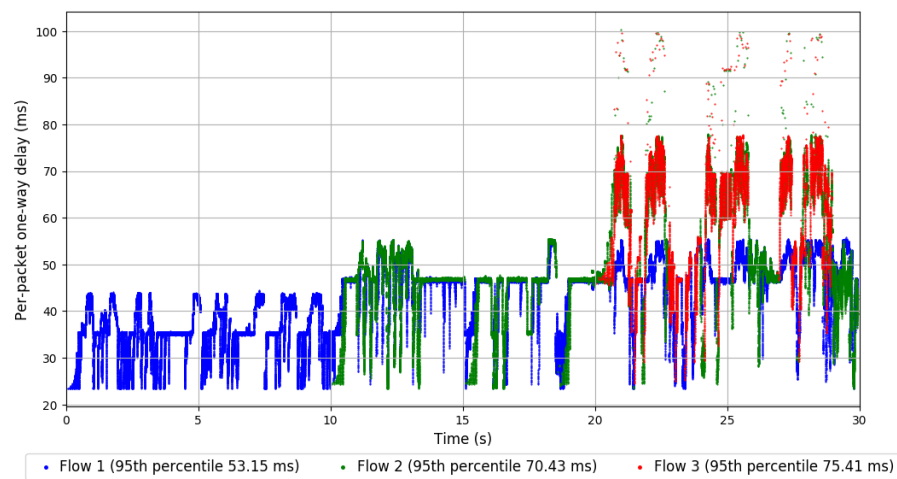
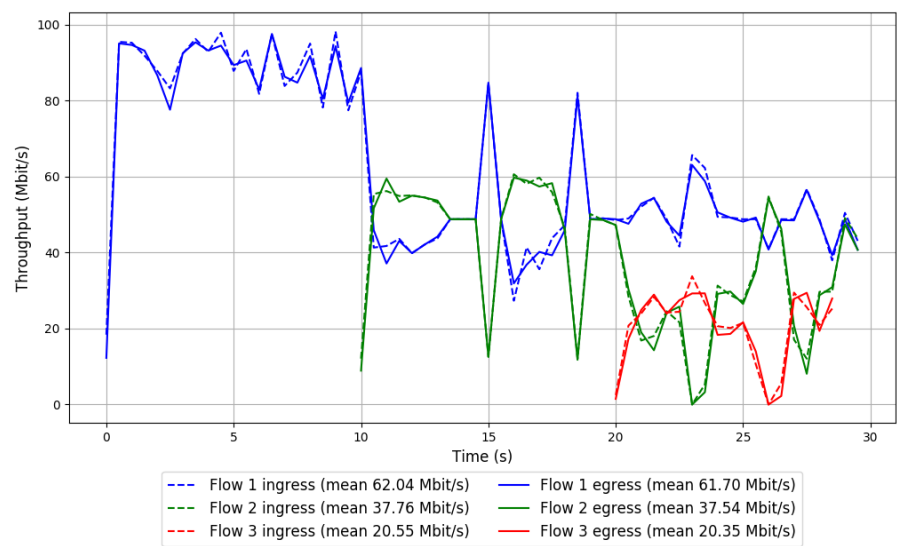


Run 10: Statistics of Verus

Start at: 2018-02-16 14:26:00
End at: 2018-02-16 14:26:30
Local clock offset: 0.222 ms
Remote clock offset: -6.289 ms

Below is generated by plot.py at 2018-02-16 19:26:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: 65.997 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 61.70 Mbit/s
95th percentile per-packet one-way delay: 53.148 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 37.54 Mbit/s
95th percentile per-packet one-way delay: 70.433 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 20.35 Mbit/s
95th percentile per-packet one-way delay: 75.409 ms
Loss rate: 0.69%

Run 10: Report of Verus — Data Link

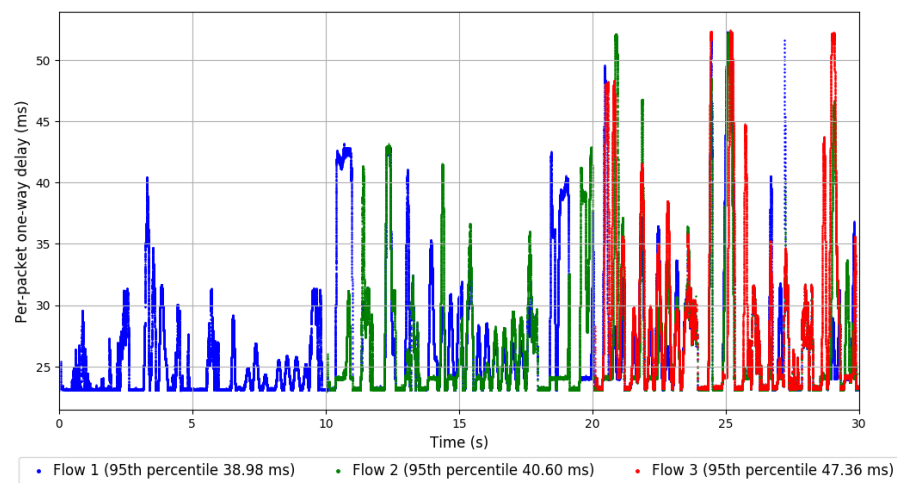
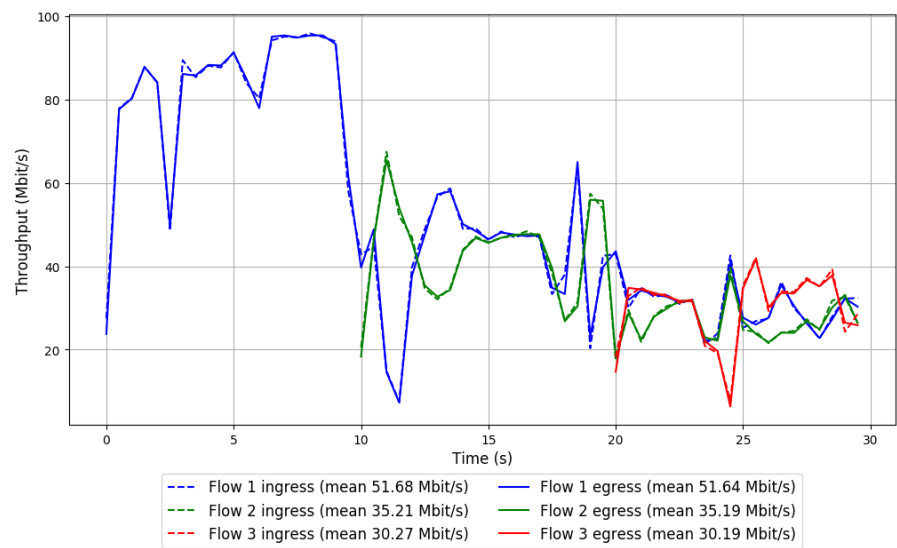


Run 1: Statistics of Copa

Start at: 2018-02-16 10:48:30
End at: 2018-02-16 10:49:00
Local clock offset: 0.06 ms
Remote clock offset: -2.534 ms

Below is generated by plot.py at 2018-02-16 19:27:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 40.230 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 51.64 Mbit/s
95th percentile per-packet one-way delay: 38.975 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 35.19 Mbit/s
95th percentile per-packet one-way delay: 40.596 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 30.19 Mbit/s
95th percentile per-packet one-way delay: 47.362 ms
Loss rate: 0.80%

Run 1: Report of Copa — Data Link

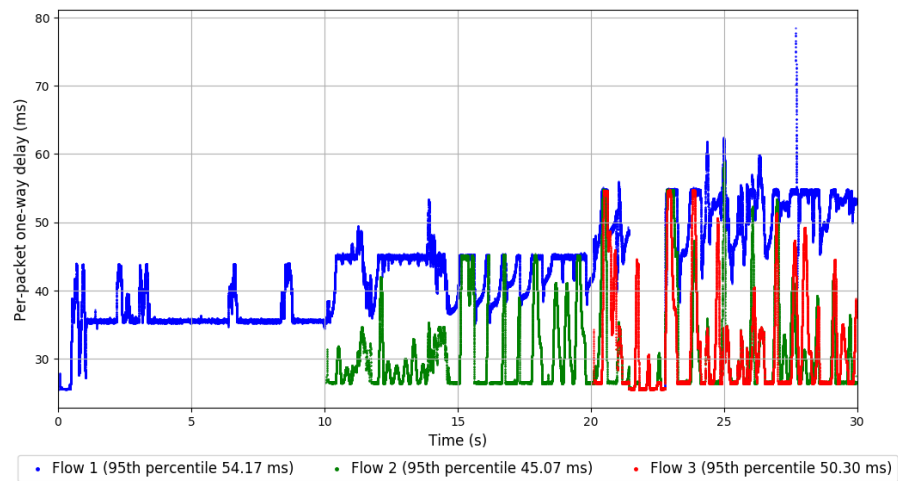
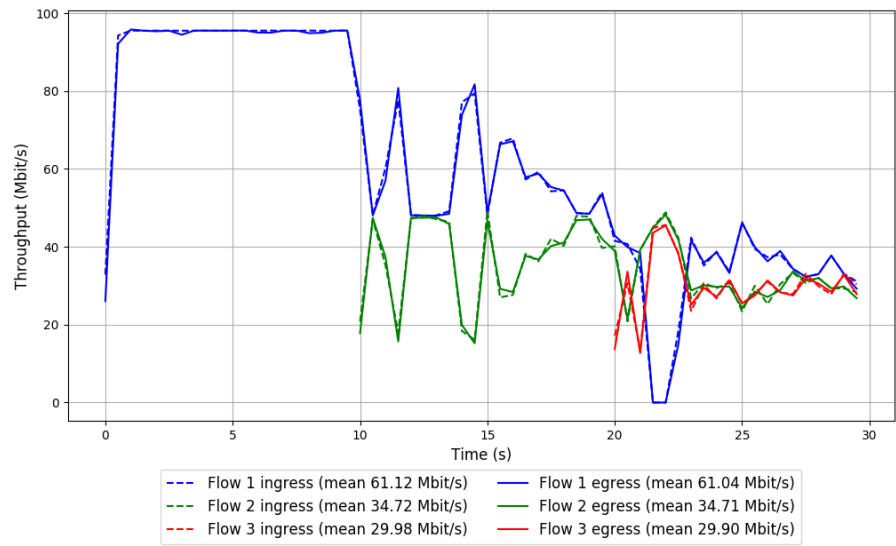


Run 2: Statistics of Copa

Start at: 2018-02-16 11:13:07
End at: 2018-02-16 11:13:37
Local clock offset: 0.171 ms
Remote clock offset: -3.742 ms

Below is generated by plot.py at 2018-02-16 19:28:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.04 Mbit/s
95th percentile per-packet one-way delay: 53.319 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 61.04 Mbit/s
95th percentile per-packet one-way delay: 54.167 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 34.71 Mbit/s
95th percentile per-packet one-way delay: 45.071 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 29.90 Mbit/s
95th percentile per-packet one-way delay: 50.302 ms
Loss rate: 0.80%

Run 2: Report of Copa — Data Link

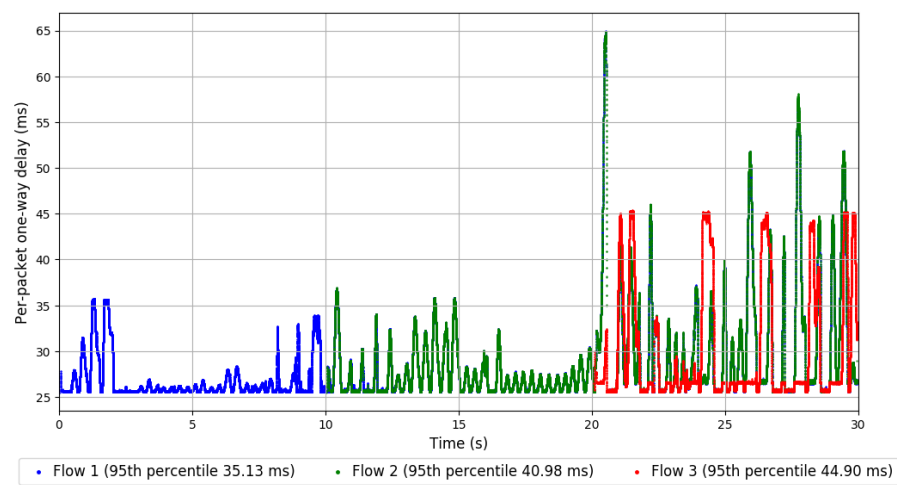
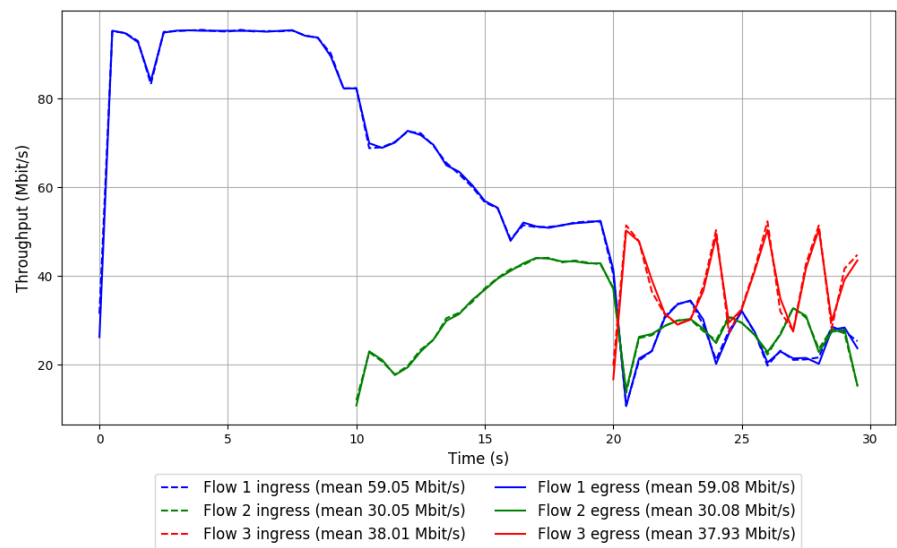


Run 3: Statistics of Copa

Start at: 2018-02-16 11:38:02
End at: 2018-02-16 11:38:32
Local clock offset: 0.191 ms
Remote clock offset: -2.856 ms

Below is generated by plot.py at 2018-02-16 19:28:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.66 Mbit/s
95th percentile per-packet one-way delay: 40.370 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 59.08 Mbit/s
95th percentile per-packet one-way delay: 35.131 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 30.08 Mbit/s
95th percentile per-packet one-way delay: 40.980 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 37.93 Mbit/s
95th percentile per-packet one-way delay: 44.897 ms
Loss rate: 0.74%

Run 3: Report of Copa — Data Link

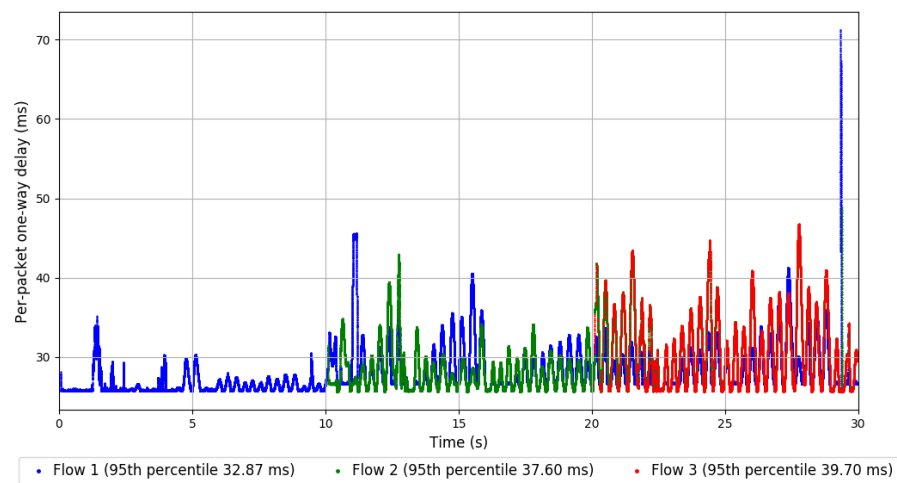
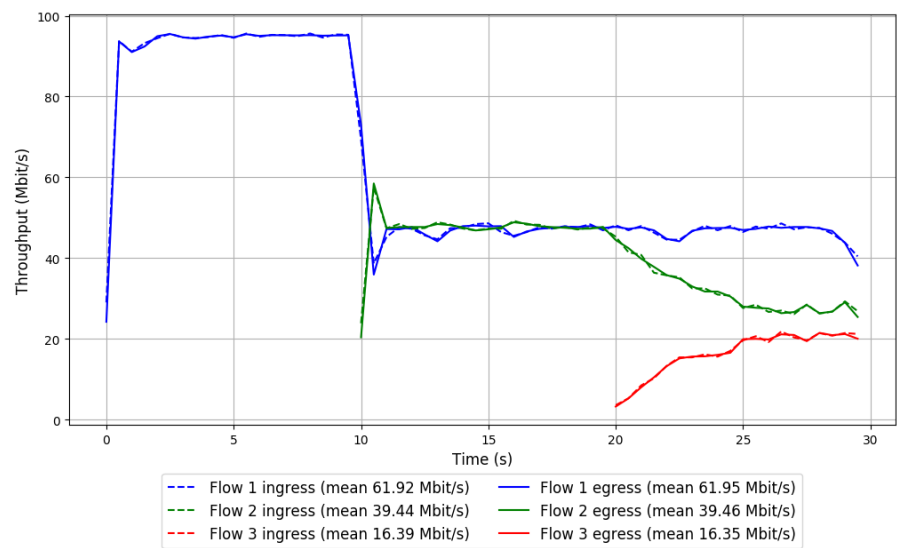


Run 4: Statistics of Copa

Start at: 2018-02-16 12:02:36
End at: 2018-02-16 12:03:06
Local clock offset: 0.143 ms
Remote clock offset: -3.108 ms

Below is generated by plot.py at 2018-02-16 19:28:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.62 Mbit/s
95th percentile per-packet one-way delay: 35.383 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 61.95 Mbit/s
95th percentile per-packet one-way delay: 32.874 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 39.46 Mbit/s
95th percentile per-packet one-way delay: 37.604 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 16.35 Mbit/s
95th percentile per-packet one-way delay: 39.697 ms
Loss rate: 0.76%

Run 4: Report of Copa — Data Link

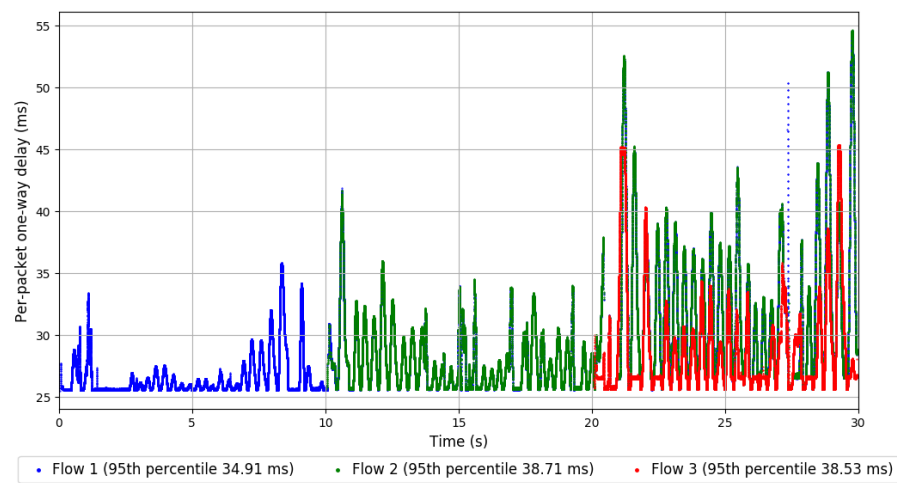
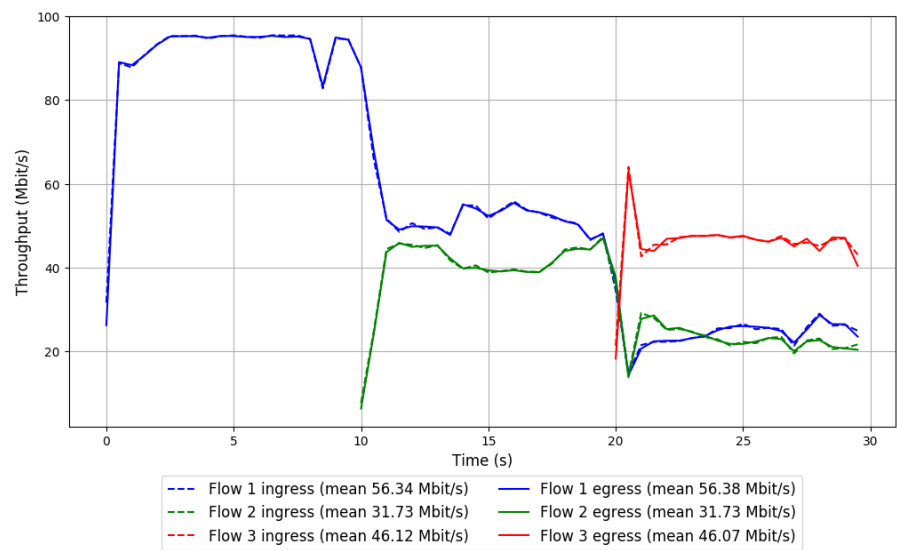


Run 5: Statistics of Copa

Start at: 2018-02-16 12:27:10
End at: 2018-02-16 12:27:40
Local clock offset: 0.322 ms
Remote clock offset: -1.077 ms

Below is generated by plot.py at 2018-02-16 19:28:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.75 Mbit/s
95th percentile per-packet one-way delay: 36.518 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 56.38 Mbit/s
95th percentile per-packet one-way delay: 34.908 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 31.73 Mbit/s
95th percentile per-packet one-way delay: 38.712 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 46.07 Mbit/s
95th percentile per-packet one-way delay: 38.533 ms
Loss rate: 0.62%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-02-16 12:51:58

End at: 2018-02-16 12:52:28

Local clock offset: 0.017 ms

Remote clock offset: 0.299 ms

Below is generated by plot.py at 2018-02-16 19:28:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.85 Mbit/s

95th percentile per-packet one-way delay: 60.397 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 59.72 Mbit/s

95th percentile per-packet one-way delay: 58.814 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 41.64 Mbit/s

95th percentile per-packet one-way delay: 44.667 ms

Loss rate: 0.19%

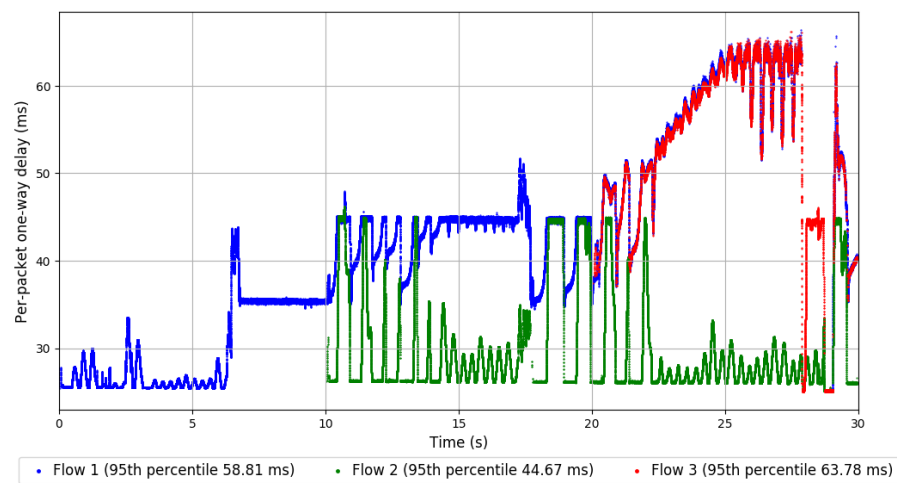
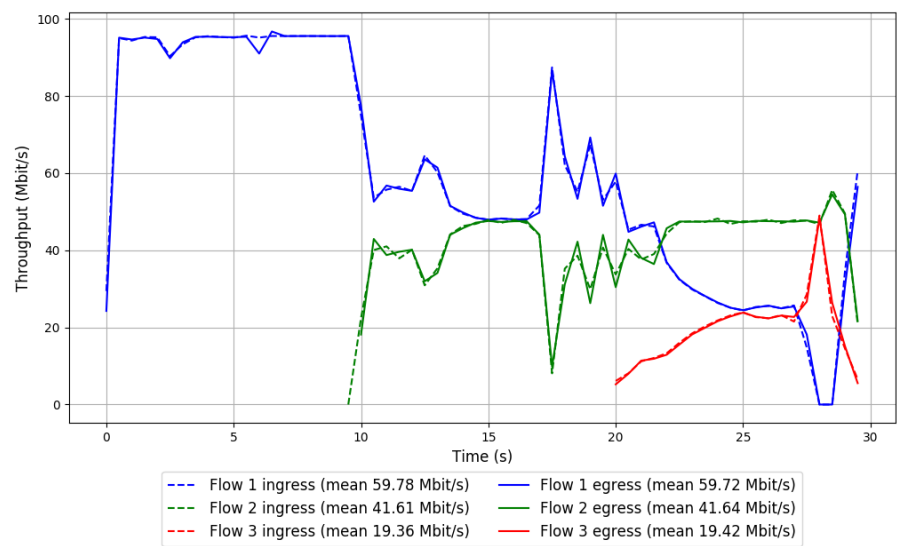
-- Flow 3:

Average throughput: 19.42 Mbit/s

95th percentile per-packet one-way delay: 63.784 ms

Loss rate: 0.36%

Run 6: Report of Copa — Data Link

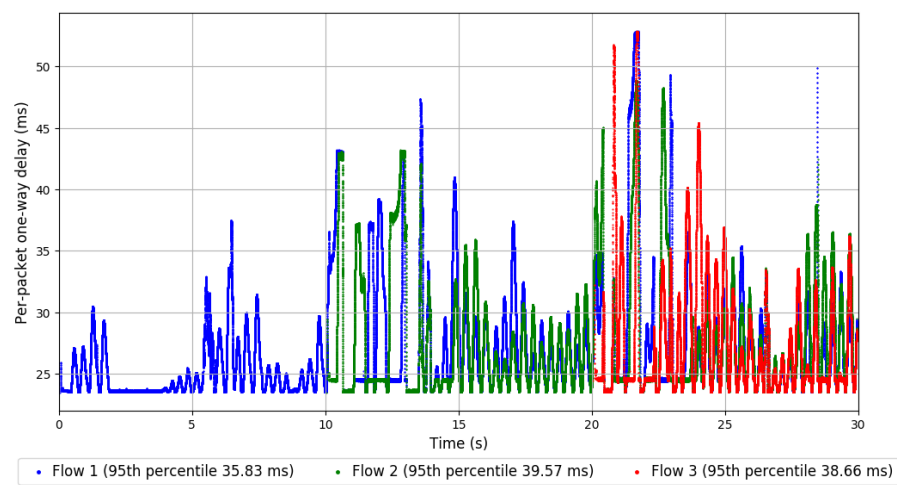
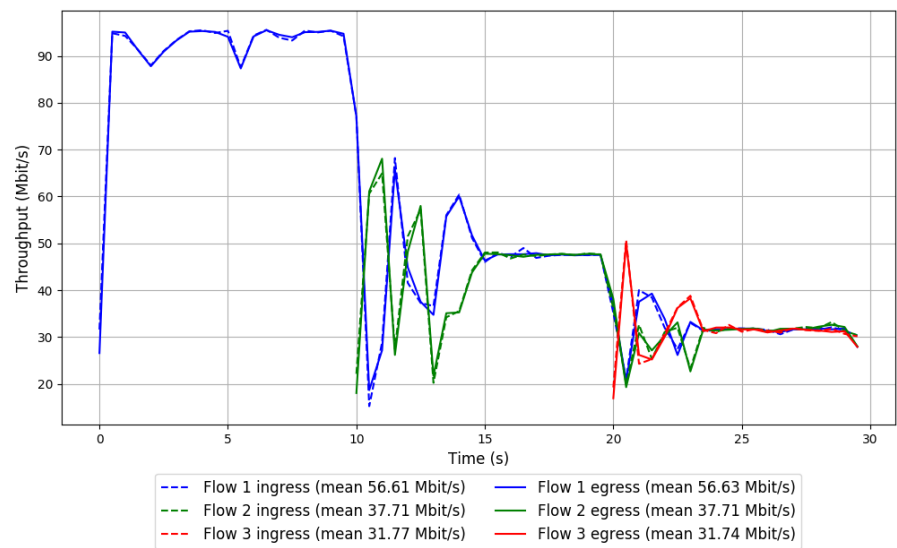


Run 7: Statistics of Copa

Start at: 2018-02-16 13:16:36
End at: 2018-02-16 13:17:06
Local clock offset: 0.019 ms
Remote clock offset: -5.872 ms

Below is generated by plot.py at 2018-02-16 19:29:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.23 Mbit/s
95th percentile per-packet one-way delay: 37.736 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 56.63 Mbit/s
95th percentile per-packet one-way delay: 35.831 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 37.71 Mbit/s
95th percentile per-packet one-way delay: 39.567 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 38.659 ms
Loss rate: 0.62%

Run 7: Report of Copa — Data Link

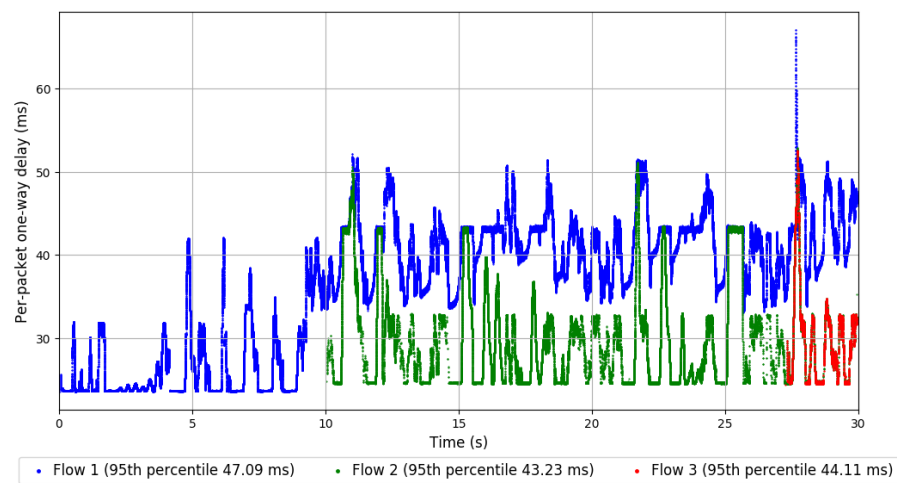
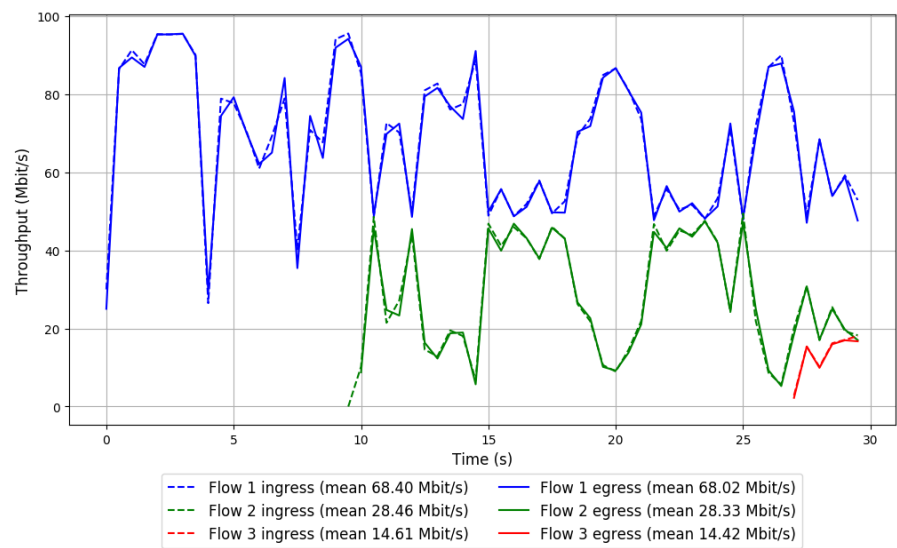


Run 8: Statistics of Copa

Start at: 2018-02-16 13:41:18
End at: 2018-02-16 13:41:48
Local clock offset: -0.018 ms
Remote clock offset: -5.814 ms

Below is generated by plot.py at 2018-02-16 19:29:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.16 Mbit/s
95th percentile per-packet one-way delay: 46.382 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 68.02 Mbit/s
95th percentile per-packet one-way delay: 47.090 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 28.33 Mbit/s
95th percentile per-packet one-way delay: 43.233 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 14.42 Mbit/s
95th percentile per-packet one-way delay: 44.107 ms
Loss rate: 3.24%

Run 8: Report of Copa — Data Link

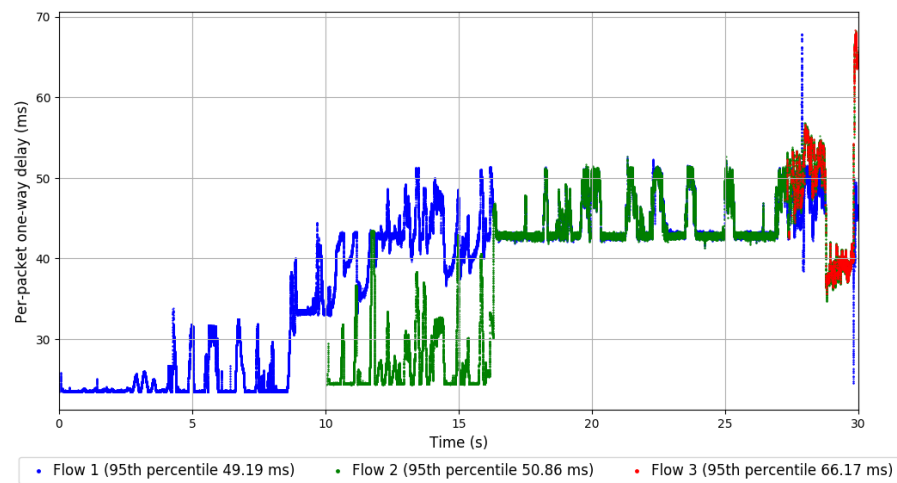
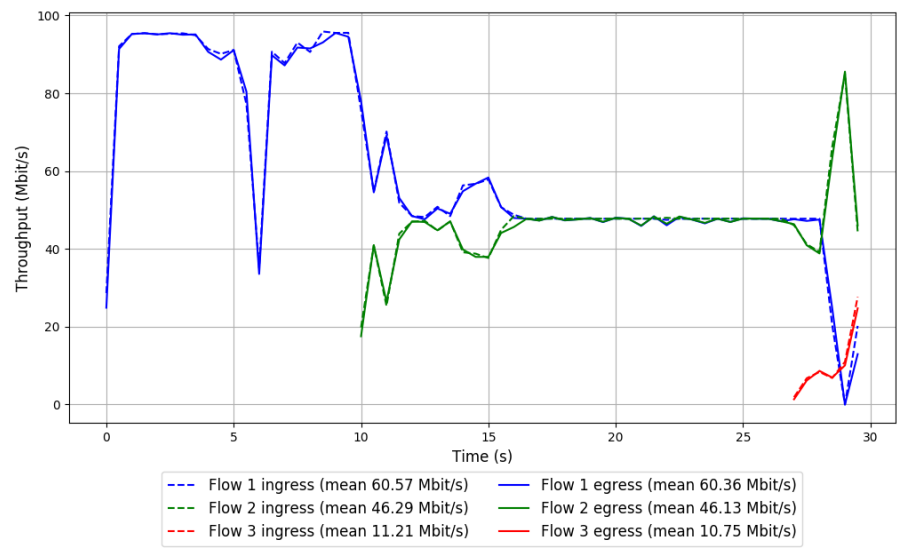


Run 9: Statistics of Copa

Start at: 2018-02-16 14:06:16
End at: 2018-02-16 14:06:46
Local clock offset: 0.265 ms
Remote clock offset: -5.912 ms

Below is generated by plot.py at 2018-02-16 19:30:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.03 Mbit/s
95th percentile per-packet one-way delay: 50.162 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 60.36 Mbit/s
95th percentile per-packet one-way delay: 49.185 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 46.13 Mbit/s
95th percentile per-packet one-way delay: 50.859 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 10.75 Mbit/s
95th percentile per-packet one-way delay: 66.170 ms
Loss rate: 7.34%

Run 9: Report of Copa — Data Link

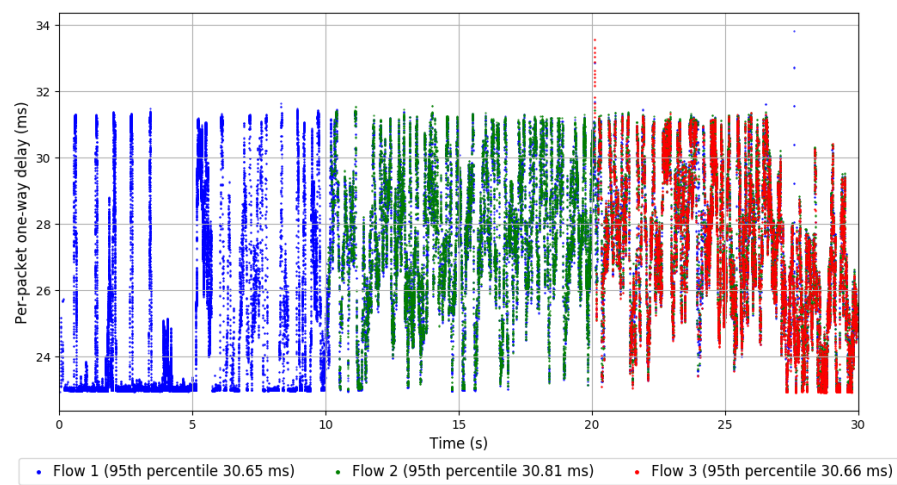
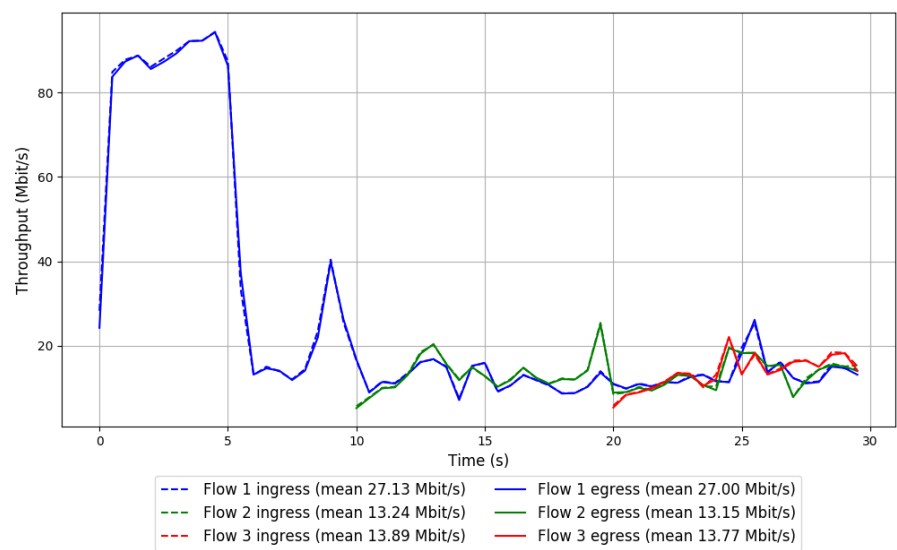


Run 10: Statistics of Copa

Start at: 2018-02-16 14:31:54
End at: 2018-02-16 14:32:24
Local clock offset: 0.182 ms
Remote clock offset: -6.029 ms

Below is generated by plot.py at 2018-02-16 19:30:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.30 Mbit/s
95th percentile per-packet one-way delay: 30.706 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 27.00 Mbit/s
95th percentile per-packet one-way delay: 30.651 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 30.812 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 13.77 Mbit/s
95th percentile per-packet one-way delay: 30.659 ms
Loss rate: 1.45%

Run 10: Report of Copa — Data Link

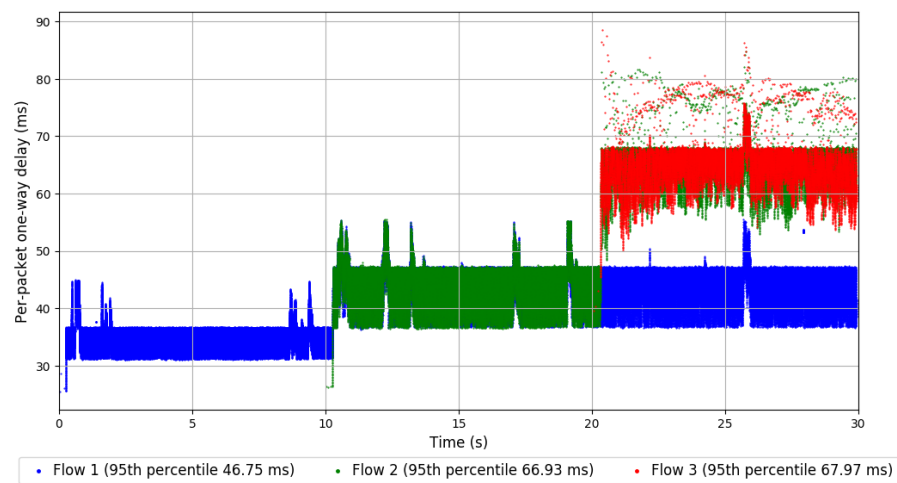
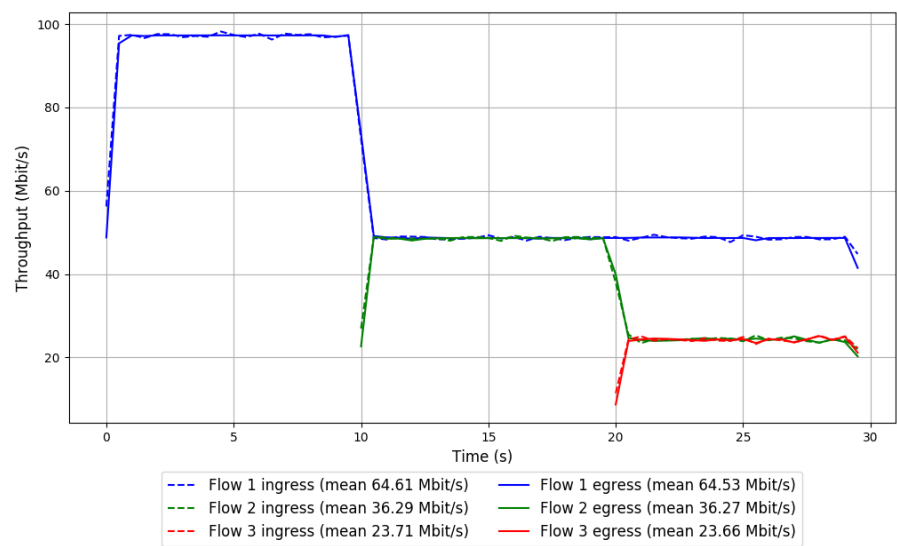


Run 1: Statistics of FillP

Start at: 2018-02-16 10:58:04
End at: 2018-02-16 10:58:34
Local clock offset: 0.094 ms
Remote clock offset: -4.434 ms

Below is generated by plot.py at 2018-02-16 19:30:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 65.813 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 64.53 Mbit/s
95th percentile per-packet one-way delay: 46.747 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 36.27 Mbit/s
95th percentile per-packet one-way delay: 66.932 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 23.66 Mbit/s
95th percentile per-packet one-way delay: 67.969 ms
Loss rate: 0.97%

Run 1: Report of FillP — Data Link

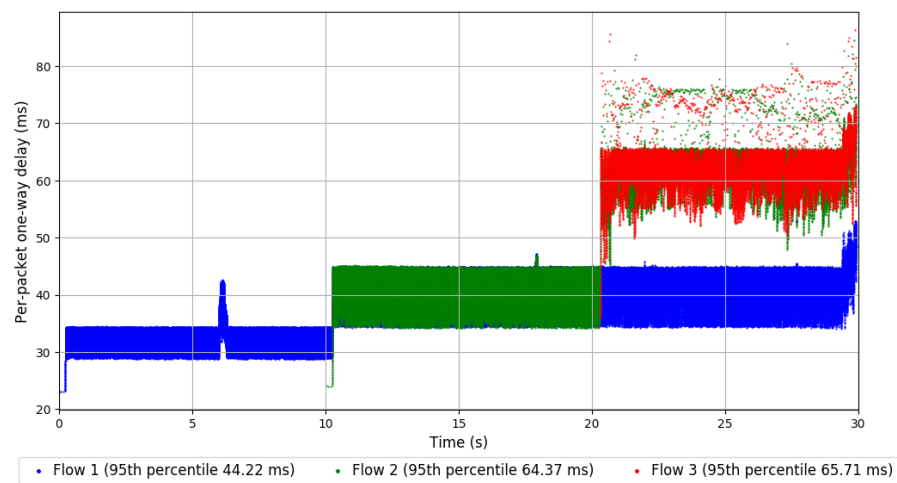
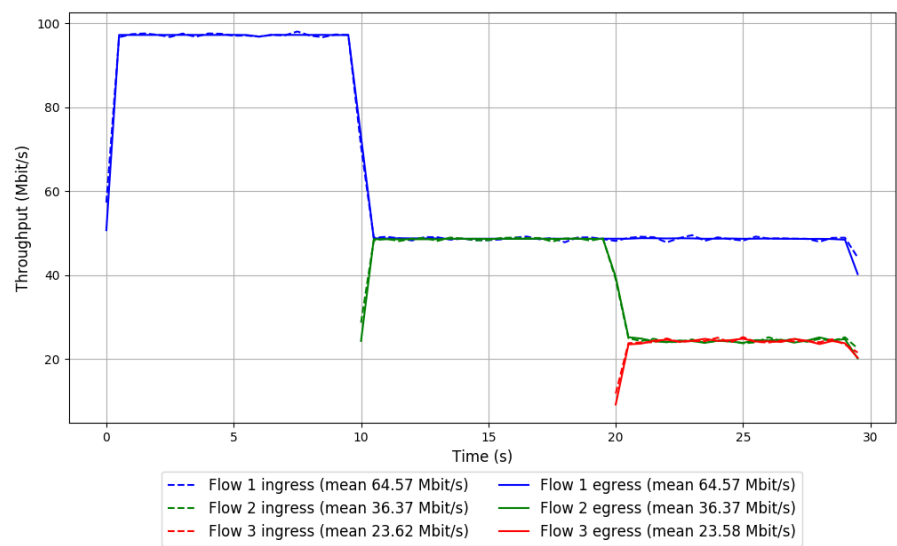


Run 2: Statistics of FillP

Start at: 2018-02-16 11:22:52
End at: 2018-02-16 11:23:22
Local clock offset: 0.233 ms
Remote clock offset: -1.237 ms

Below is generated by plot.py at 2018-02-16 19:30:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 63.233 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 64.57 Mbit/s
95th percentile per-packet one-way delay: 44.215 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 36.37 Mbit/s
95th percentile per-packet one-way delay: 64.369 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 23.58 Mbit/s
95th percentile per-packet one-way delay: 65.709 ms
Loss rate: 0.91%

Run 2: Report of FillP — Data Link

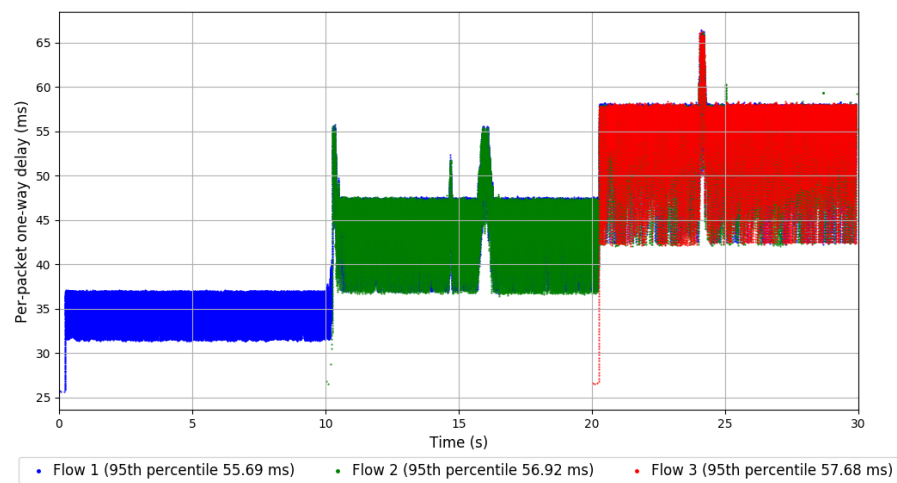
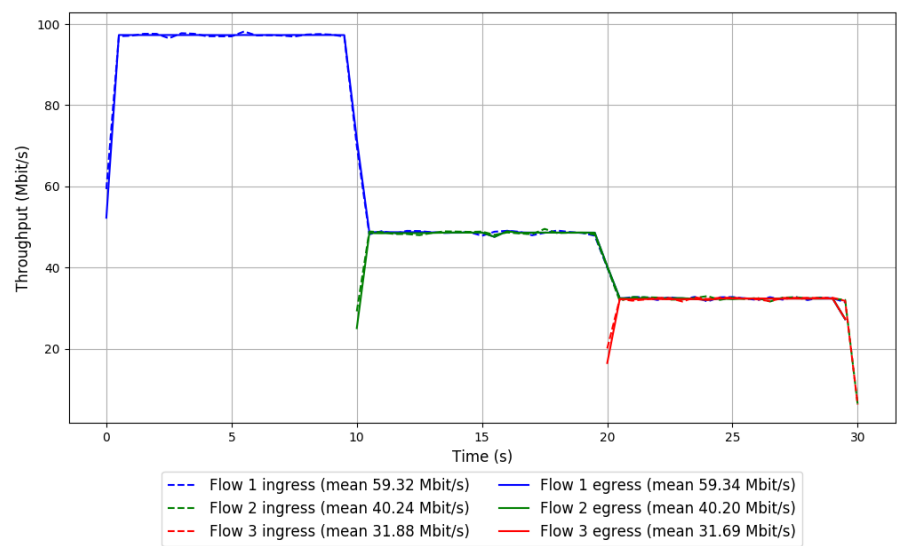


Run 3: Statistics of FillP

Start at: 2018-02-16 11:47:34
End at: 2018-02-16 11:48:04
Local clock offset: 0.182 ms
Remote clock offset: -2.919 ms

Below is generated by plot.py at 2018-02-16 19:30:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 56.803 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 59.34 Mbit/s
95th percentile per-packet one-way delay: 55.685 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 40.20 Mbit/s
95th percentile per-packet one-way delay: 56.923 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 57.676 ms
Loss rate: 2.34%

Run 3: Report of FillP — Data Link

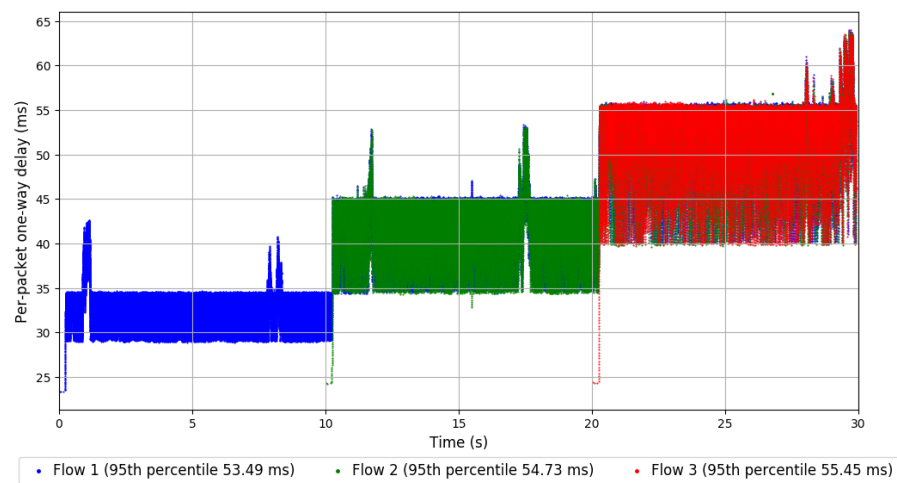
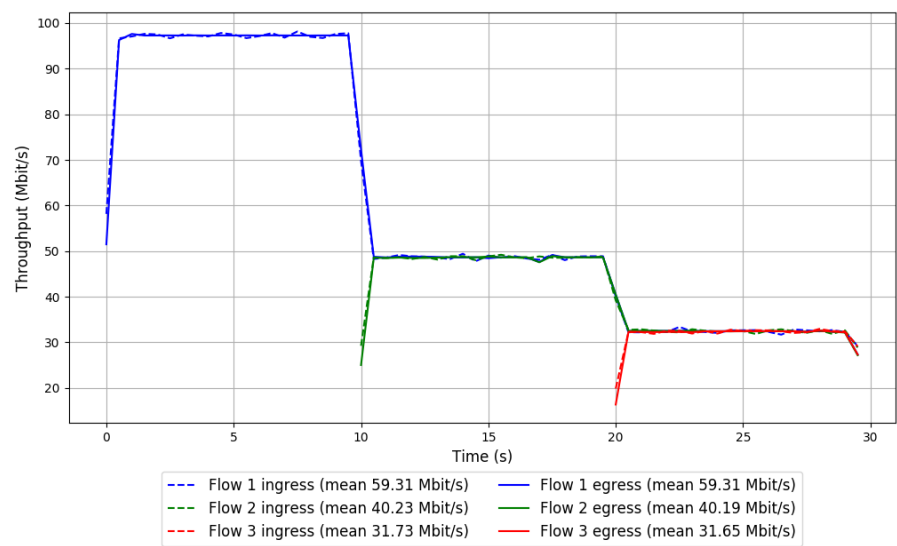


Run 4: Statistics of FillP

Start at: 2018-02-16 12:12:08
End at: 2018-02-16 12:12:38
Local clock offset: 0.216 ms
Remote clock offset: -0.781 ms

Below is generated by plot.py at 2018-02-16 19:30:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 54.576 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 59.31 Mbit/s
95th percentile per-packet one-way delay: 53.487 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 40.19 Mbit/s
95th percentile per-packet one-way delay: 54.731 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 31.65 Mbit/s
95th percentile per-packet one-way delay: 55.448 ms
Loss rate: 0.88%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-02-16 12:36:41

End at: 2018-02-16 12:37:11

Local clock offset: 0.23 ms

Remote clock offset: 1.76 ms

Below is generated by plot.py at 2018-02-16 19:30:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.37 Mbit/s

95th percentile per-packet one-way delay: 55.009 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 59.17 Mbit/s

95th percentile per-packet one-way delay: 53.704 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 40.25 Mbit/s

95th percentile per-packet one-way delay: 55.269 ms

Loss rate: 0.41%

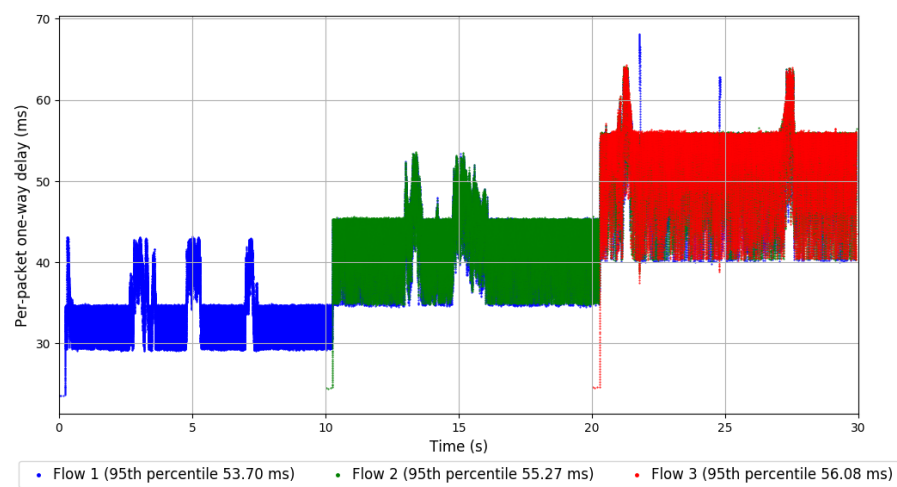
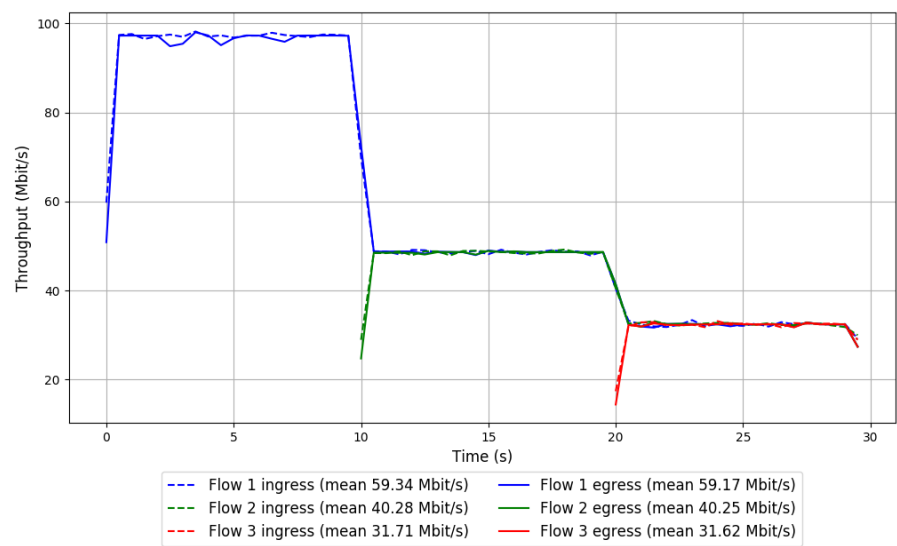
-- Flow 3:

Average throughput: 31.62 Mbit/s

95th percentile per-packet one-way delay: 56.078 ms

Loss rate: 0.92%

Run 5: Report of FillP — Data Link

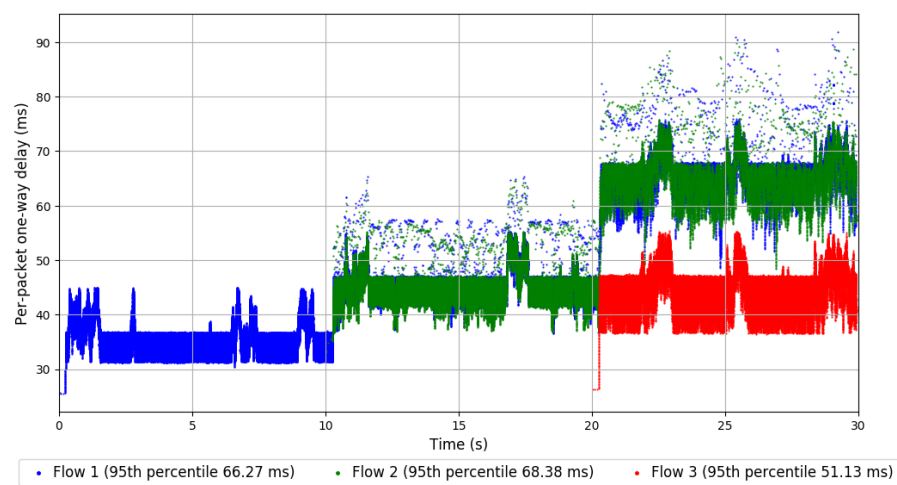
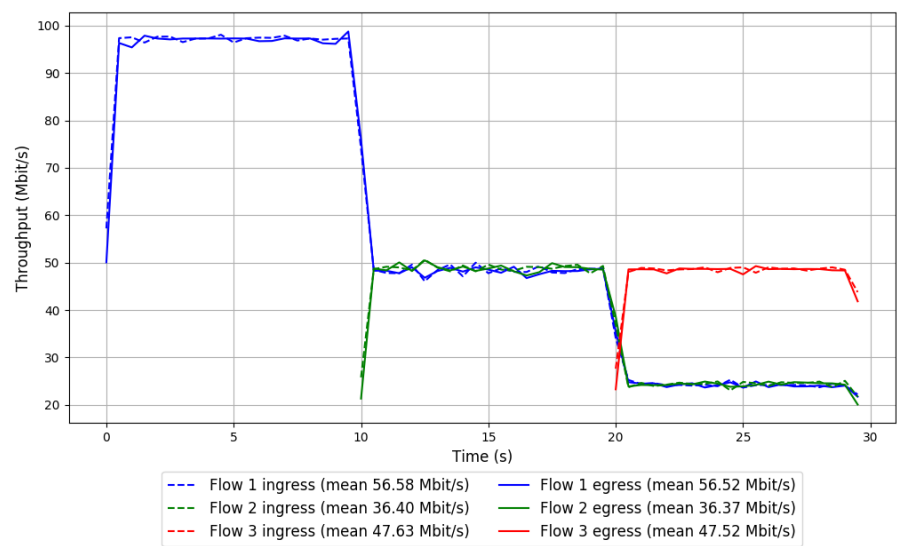


Run 6: Statistics of FillP

Start at: 2018-02-16 13:01:31
End at: 2018-02-16 13:02:01
Local clock offset: -0.035 ms
Remote clock offset: -5.106 ms

Below is generated by plot.py at 2018-02-16 19:31:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: 66.568 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 56.52 Mbit/s
95th percentile per-packet one-way delay: 66.266 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 36.37 Mbit/s
95th percentile per-packet one-way delay: 68.380 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 47.52 Mbit/s
95th percentile per-packet one-way delay: 51.127 ms
Loss rate: 0.81%

Run 6: Report of FillP — Data Link

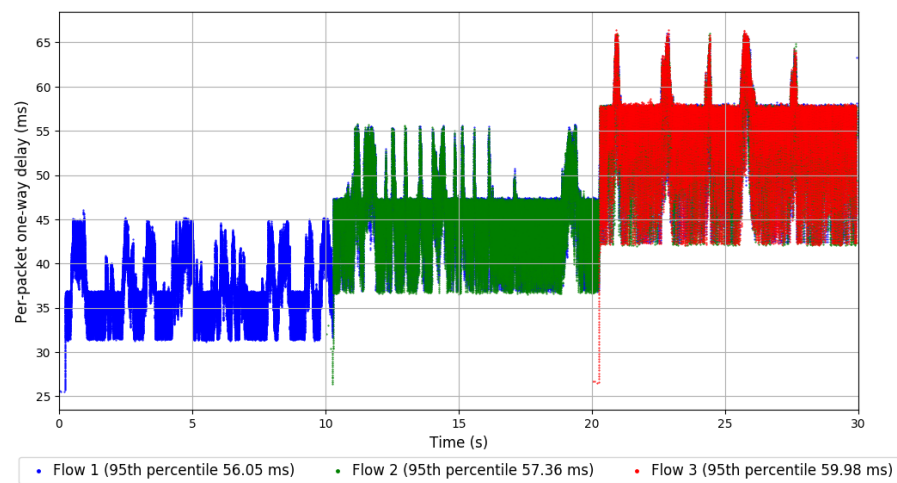
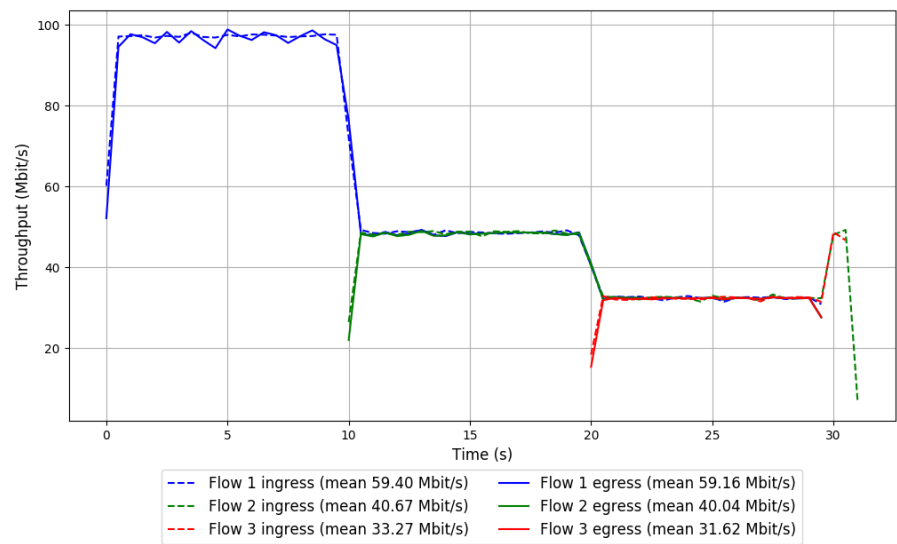


Run 7: Statistics of FillP

Start at: 2018-02-16 13:26:08
End at: 2018-02-16 13:26:38
Local clock offset: -0.013 ms
Remote clock offset: -8.443 ms

Below is generated by plot.py at 2018-02-16 19:31:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 57.207 ms
Loss rate: 4.07%
-- Flow 1:
Average throughput: 59.16 Mbit/s
95th percentile per-packet one-way delay: 56.048 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 40.04 Mbit/s
95th percentile per-packet one-way delay: 57.363 ms
Loss rate: 6.90%
-- Flow 3:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 59.977 ms
Loss rate: 14.21%

Run 7: Report of FillP — Data Link

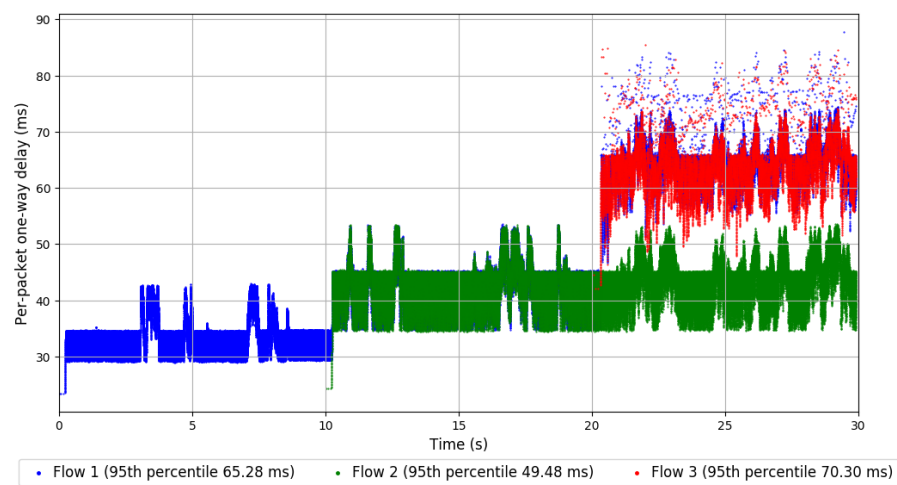
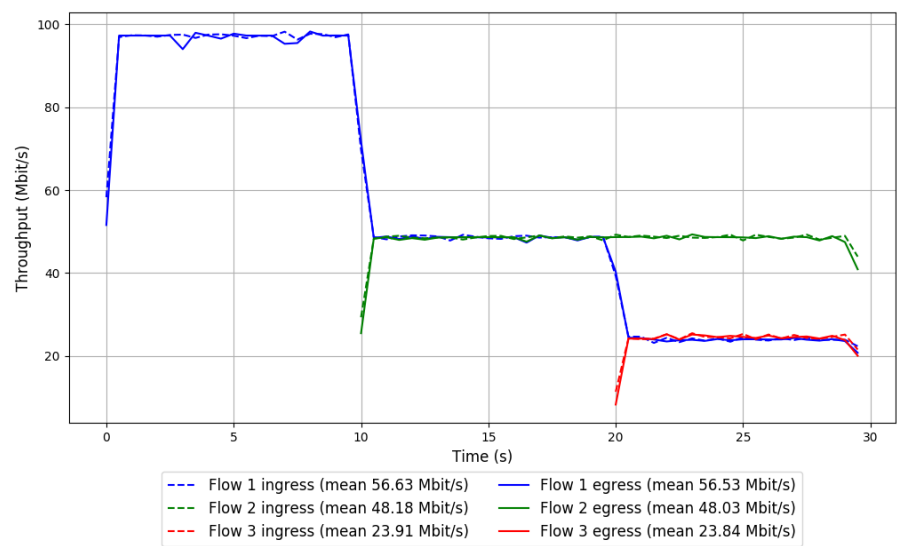


Run 8: Statistics of FillP

Start at: 2018-02-16 13:51:02
End at: 2018-02-16 13:51:32
Local clock offset: 0.224 ms
Remote clock offset: -5.734 ms

Below is generated by plot.py at 2018-02-16 19:31:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 65.406 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 56.53 Mbit/s
95th percentile per-packet one-way delay: 65.282 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 48.03 Mbit/s
95th percentile per-packet one-way delay: 49.484 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 23.84 Mbit/s
95th percentile per-packet one-way delay: 70.301 ms
Loss rate: 1.22%

Run 8: Report of FillP — Data Link

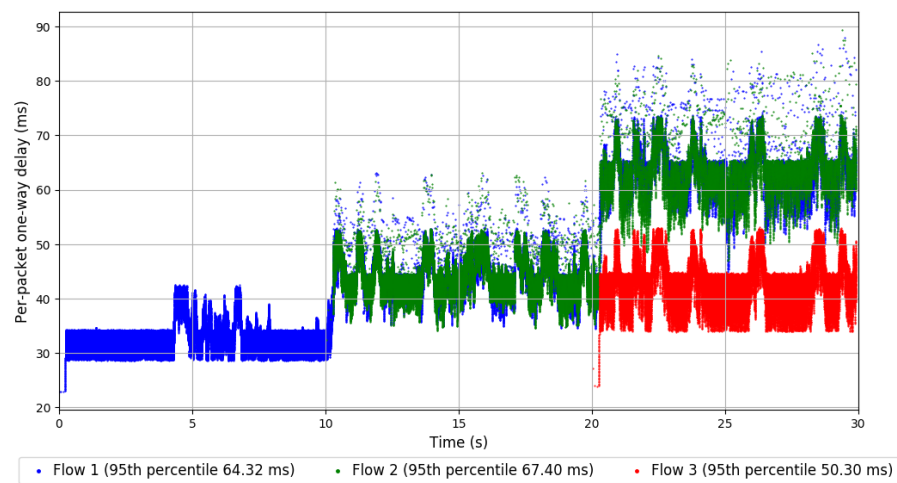
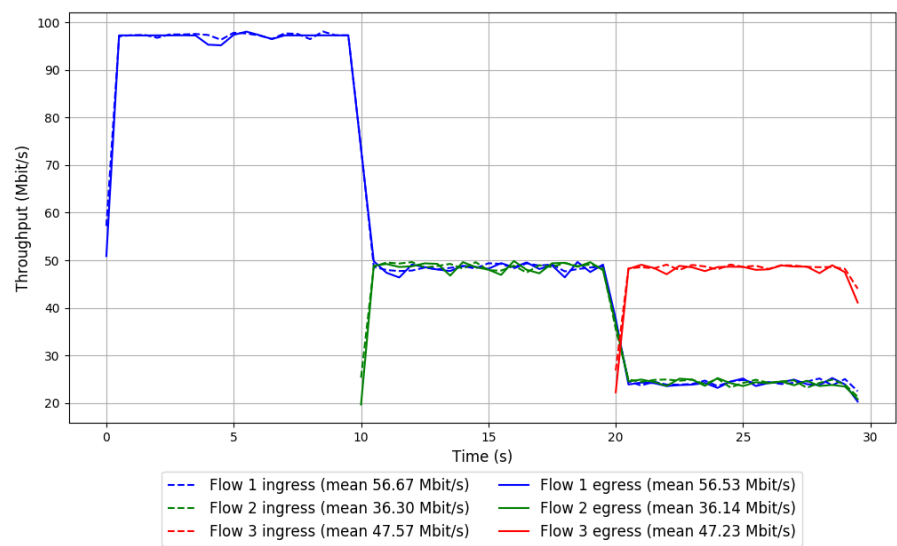


Run 9: Statistics of FillP

Start at: 2018-02-16 14:16:15
End at: 2018-02-16 14:16:45
Local clock offset: 0.327 ms
Remote clock offset: -5.545 ms

Below is generated by plot.py at 2018-02-16 19:31:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.16 Mbit/s
95th percentile per-packet one-way delay: 64.655 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 56.53 Mbit/s
95th percentile per-packet one-way delay: 64.323 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 36.14 Mbit/s
95th percentile per-packet one-way delay: 67.402 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 47.23 Mbit/s
95th percentile per-packet one-way delay: 50.297 ms
Loss rate: 1.31%

Run 9: Report of FillP — Data Link

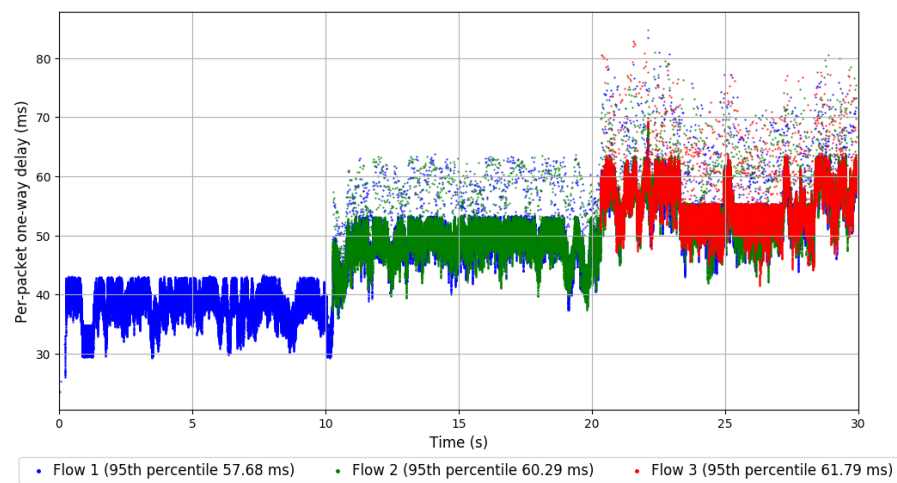
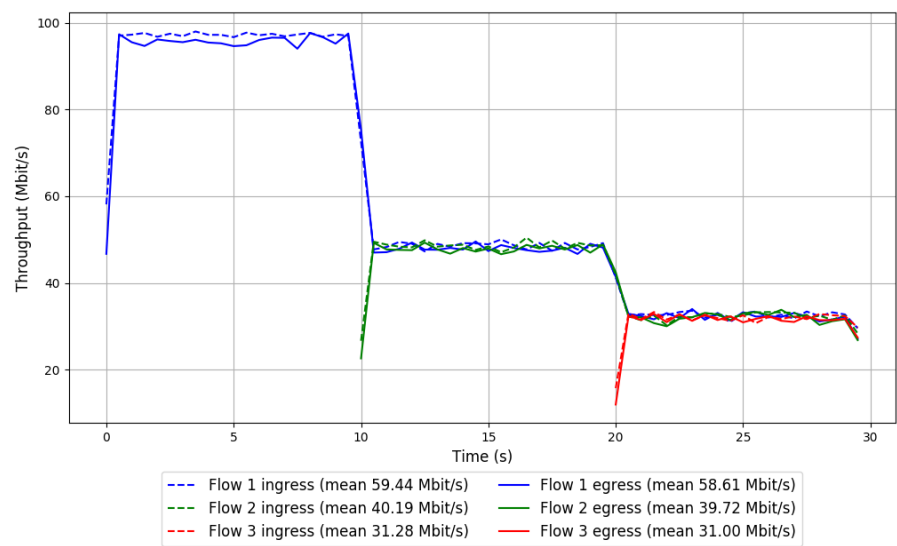


Run 10: Statistics of FillP

Start at: 2018-02-16 14:42:05
End at: 2018-02-16 14:42:35
Local clock offset: 0.274 ms
Remote clock offset: -5.018 ms

Below is generated by plot.py at 2018-02-16 19:31:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 59.749 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 58.61 Mbit/s
95th percentile per-packet one-way delay: 57.683 ms
Loss rate: 1.58%
-- Flow 2:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 60.294 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 31.00 Mbit/s
95th percentile per-packet one-way delay: 61.786 ms
Loss rate: 1.90%

Run 10: Report of FillP — Data Link

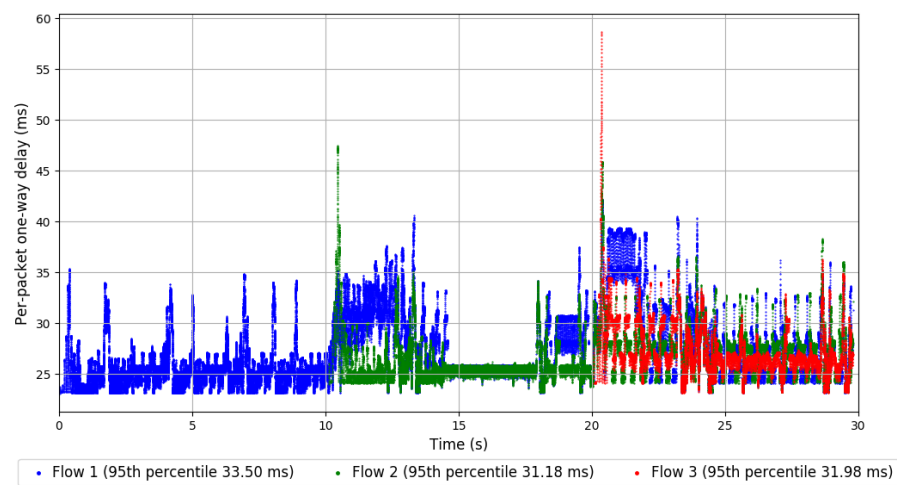
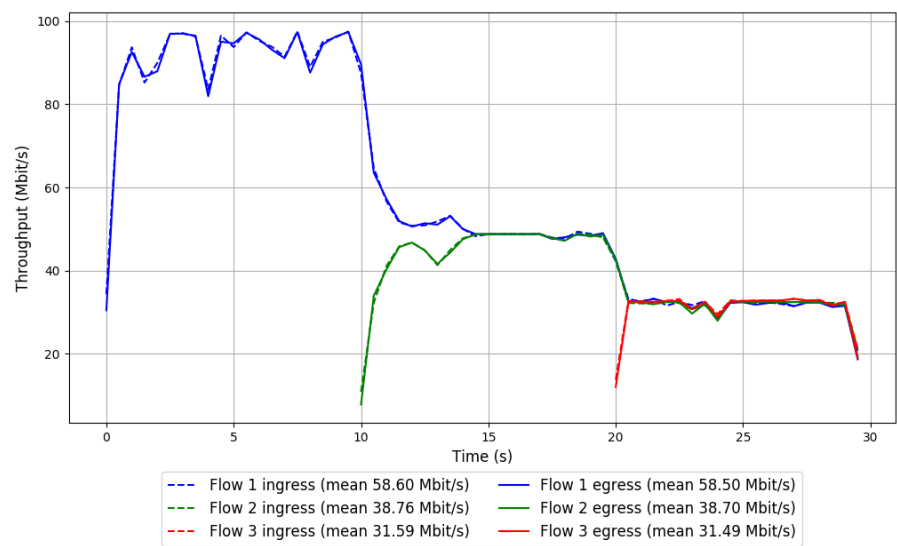


Run 1: Statistics of Indigo-1-32

Start at: 2018-02-16 10:55:16
End at: 2018-02-16 10:55:46
Local clock offset: 0.182 ms
Remote clock offset: -2.206 ms

Below is generated by plot.py at 2018-02-16 19:31:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 32.770 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 58.50 Mbit/s
95th percentile per-packet one-way delay: 33.499 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 38.70 Mbit/s
95th percentile per-packet one-way delay: 31.177 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 31.983 ms
Loss rate: 0.88%

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

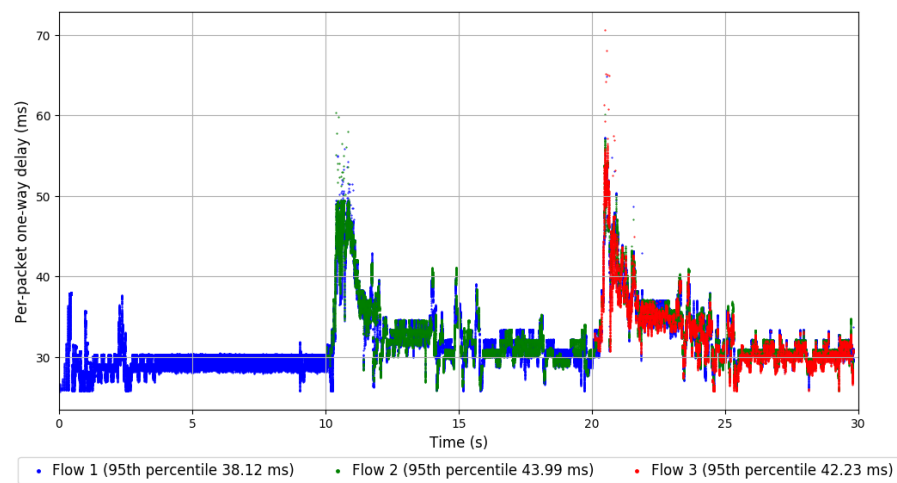
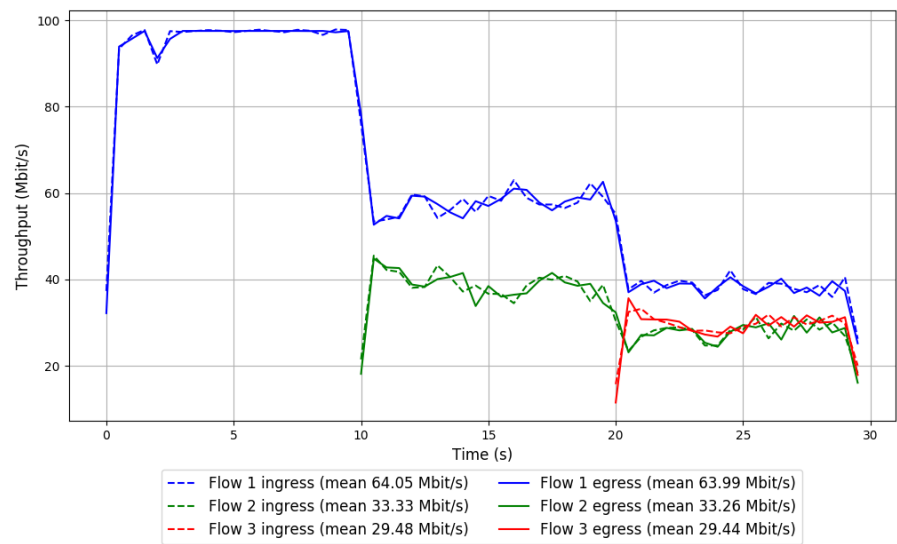


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-16 11:20:00
End at: 2018-02-16 11:20:30
Local clock offset: 0.257 ms
Remote clock offset: -3.871 ms

Below is generated by plot.py at 2018-02-16 19:32:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 40.377 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 63.99 Mbit/s
95th percentile per-packet one-way delay: 38.125 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 33.26 Mbit/s
95th percentile per-packet one-way delay: 43.994 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 29.44 Mbit/s
95th percentile per-packet one-way delay: 42.231 ms
Loss rate: 0.75%

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

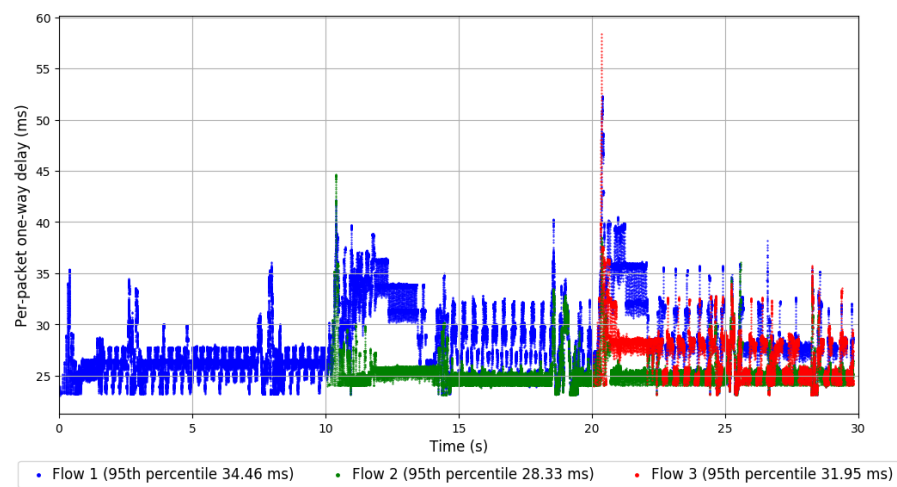
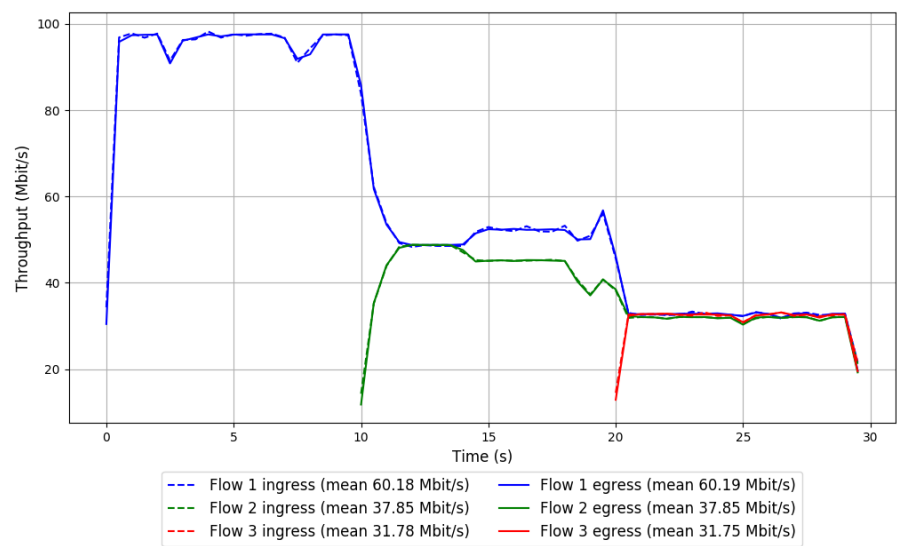


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-16 11:44:47
End at: 2018-02-16 11:45:17
Local clock offset: 0.182 ms
Remote clock offset: -0.284 ms

Below is generated by plot.py at 2018-02-16 19:32:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 33.719 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 60.19 Mbit/s
95th percentile per-packet one-way delay: 34.456 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 37.85 Mbit/s
95th percentile per-packet one-way delay: 28.326 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 31.75 Mbit/s
95th percentile per-packet one-way delay: 31.954 ms
Loss rate: 0.62%

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

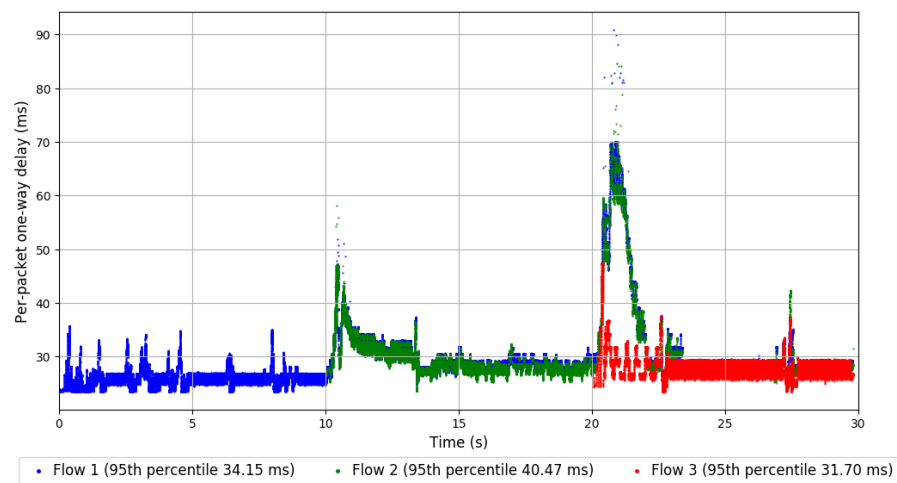
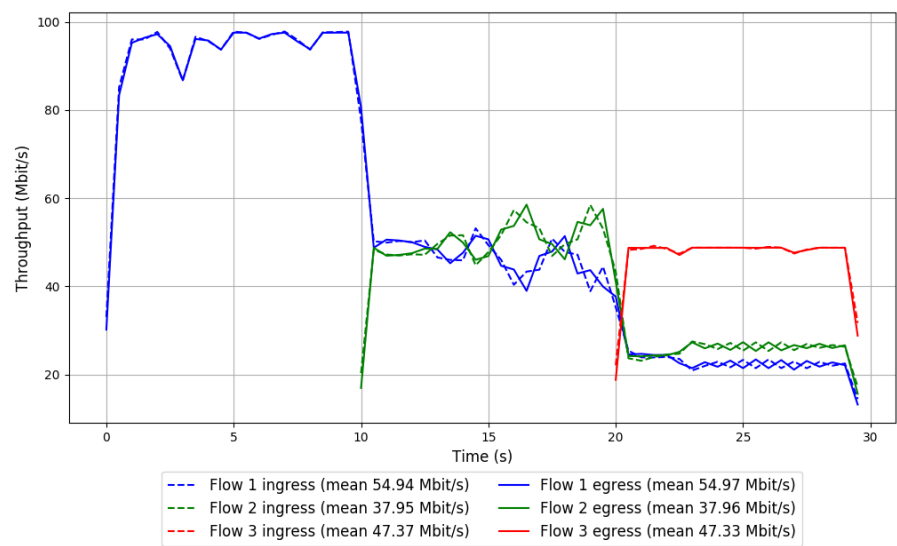


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-16 12:09:20
End at: 2018-02-16 12:09:50
Local clock offset: 0.298 ms
Remote clock offset: -0.817 ms

Below is generated by plot.py at 2018-02-16 19:32:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 35.030 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 54.97 Mbit/s
95th percentile per-packet one-way delay: 34.151 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 40.471 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 47.33 Mbit/s
95th percentile per-packet one-way delay: 31.698 ms
Loss rate: 0.64%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-16 12:33:53

End at: 2018-02-16 12:34:23

Local clock offset: 0.295 ms

Remote clock offset: 1.982 ms

Below is generated by plot.py at 2018-02-16 19:32:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.23 Mbit/s

95th percentile per-packet one-way delay: 34.739 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 59.80 Mbit/s

95th percentile per-packet one-way delay: 35.658 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 39.55 Mbit/s

95th percentile per-packet one-way delay: 31.554 ms

Loss rate: 0.24%

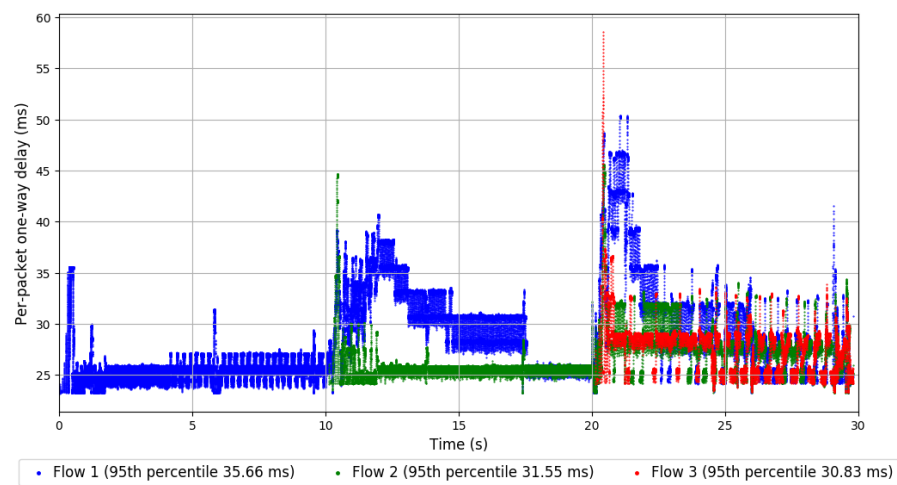
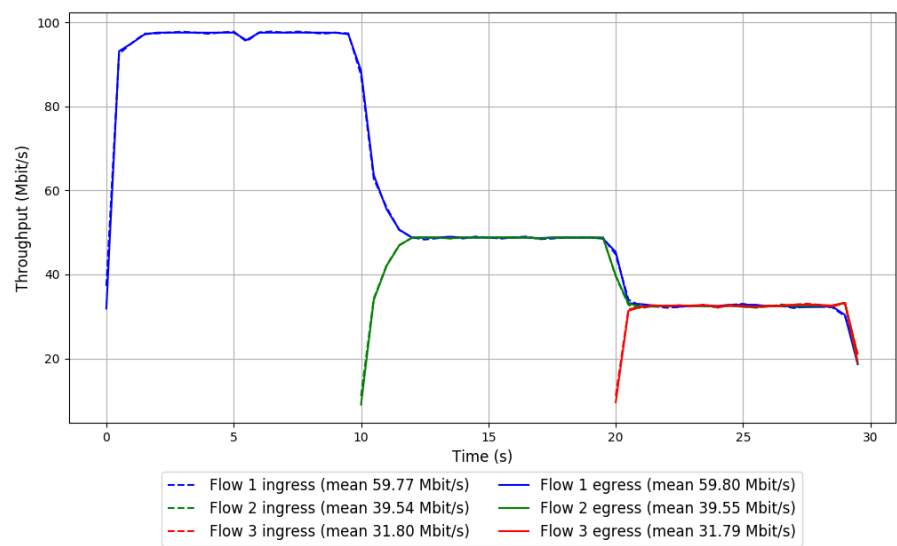
-- Flow 3:

Average throughput: 31.79 Mbit/s

95th percentile per-packet one-way delay: 30.827 ms

Loss rate: 0.58%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-16 12:58:44

End at: 2018-02-16 12:59:14

Local clock offset: 0.001 ms

Remote clock offset: -1.46 ms

Below is generated by plot.py at 2018-02-16 19:33:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.42 Mbit/s

95th percentile per-packet one-way delay: 34.533 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 59.14 Mbit/s

95th percentile per-packet one-way delay: 33.337 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 31.82 Mbit/s

95th percentile per-packet one-way delay: 39.217 ms

Loss rate: 0.26%

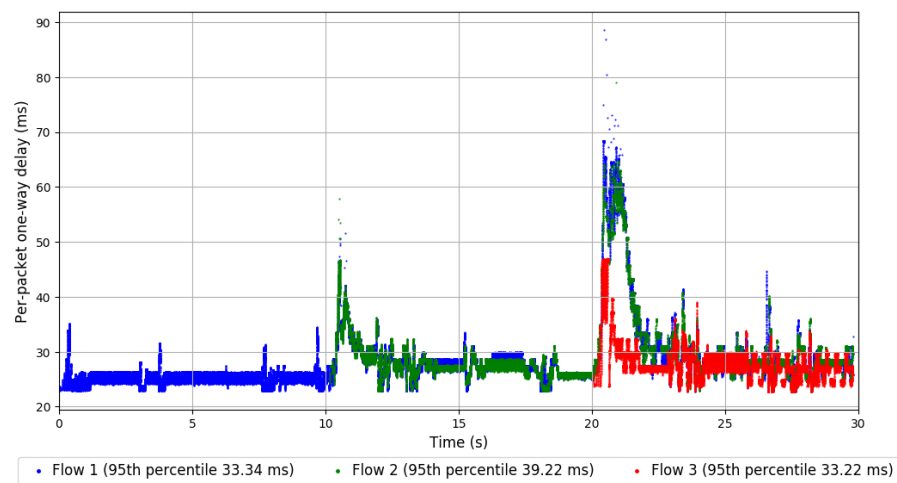
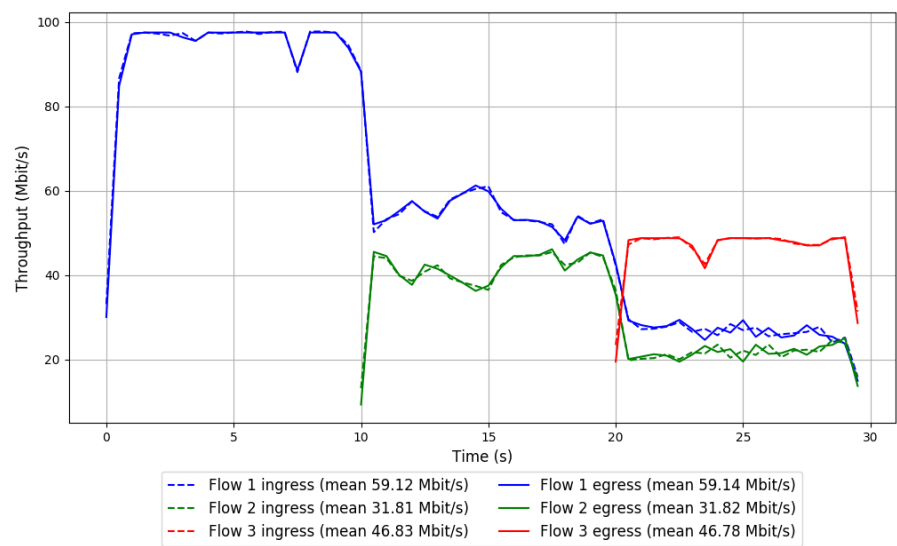
-- Flow 3:

Average throughput: 46.78 Mbit/s

95th percentile per-packet one-way delay: 33.216 ms

Loss rate: 0.67%

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

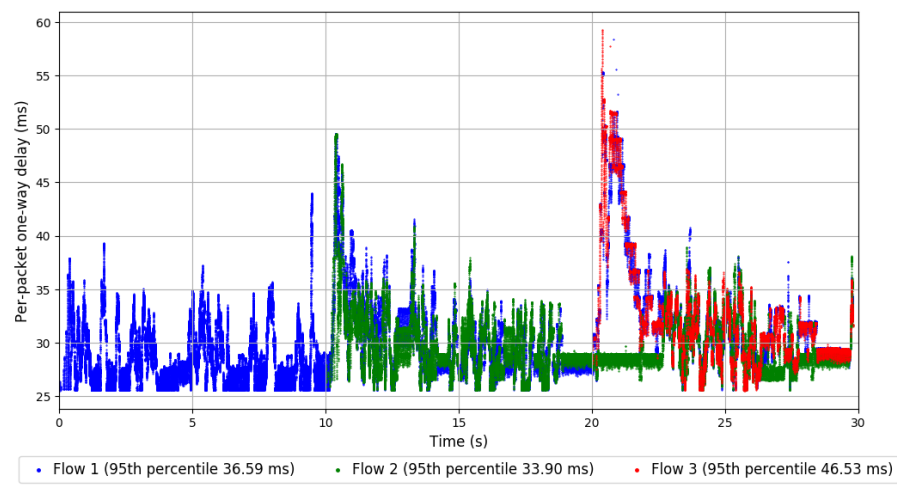
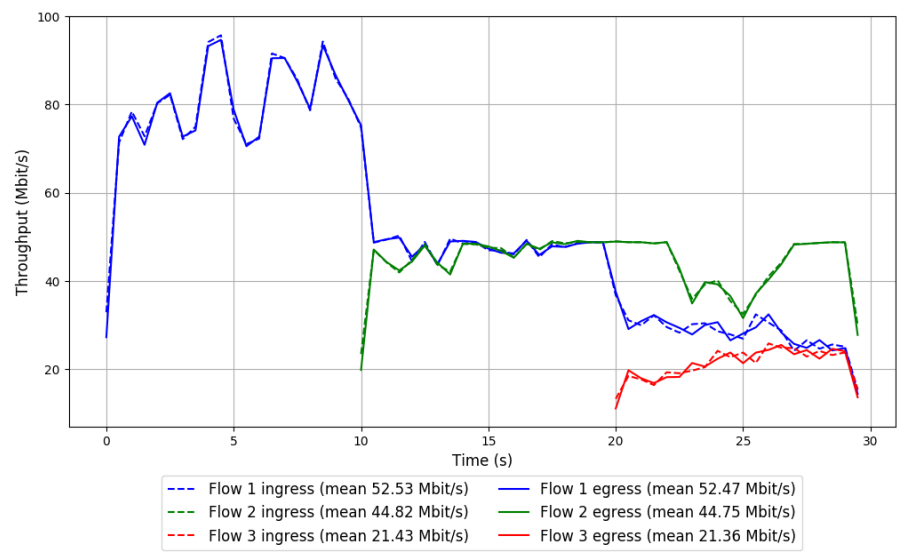


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-16 13:23:22
End at: 2018-02-16 13:23:52
Local clock offset: 0.002 ms
Remote clock offset: -8.286 ms

Below is generated by plot.py at 2018-02-16 19:33:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.13 Mbit/s
95th percentile per-packet one-way delay: 35.835 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 52.47 Mbit/s
95th percentile per-packet one-way delay: 36.595 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 44.75 Mbit/s
95th percentile per-packet one-way delay: 33.904 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 21.36 Mbit/s
95th percentile per-packet one-way delay: 46.532 ms
Loss rate: 0.89%

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

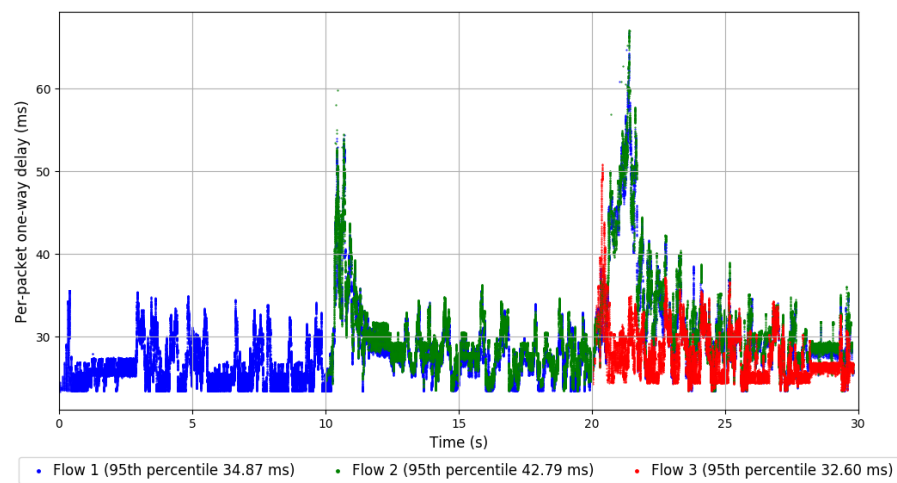
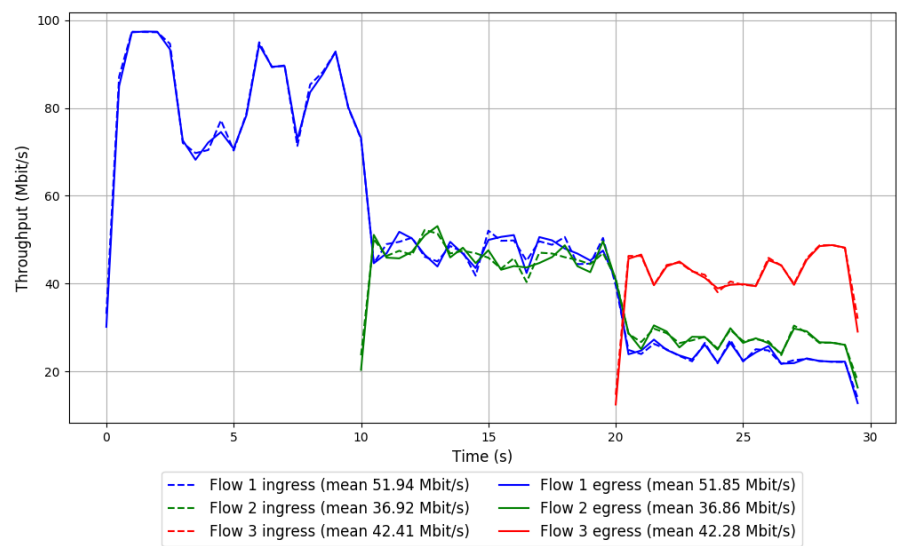


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-16 13:48:06
End at: 2018-02-16 13:48:36
Local clock offset: 0.101 ms
Remote clock offset: -5.702 ms

Below is generated by plot.py at 2018-02-16 19:33:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.16 Mbit/s
95th percentile per-packet one-way delay: 36.412 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 51.85 Mbit/s
95th percentile per-packet one-way delay: 34.871 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 36.86 Mbit/s
95th percentile per-packet one-way delay: 42.789 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 42.28 Mbit/s
95th percentile per-packet one-way delay: 32.602 ms
Loss rate: 0.86%

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

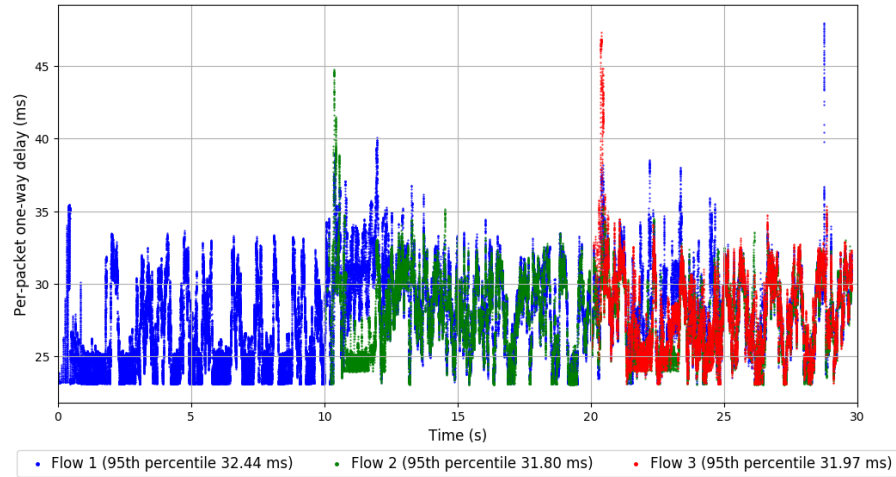
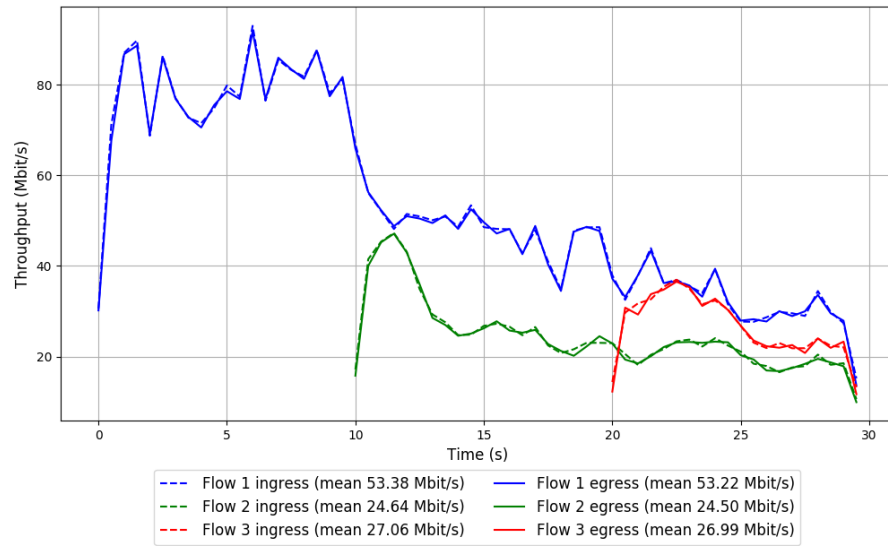


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-16 14:13:21
End at: 2018-02-16 14:13:51
Local clock offset: 0.436 ms
Remote clock offset: -5.519 ms

Below is generated by plot.py at 2018-02-16 19:33:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.31 Mbit/s
95th percentile per-packet one-way delay: 32.215 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 53.22 Mbit/s
95th percentile per-packet one-way delay: 32.444 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 31.796 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 26.99 Mbit/s
95th percentile per-packet one-way delay: 31.971 ms
Loss rate: 0.83%

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

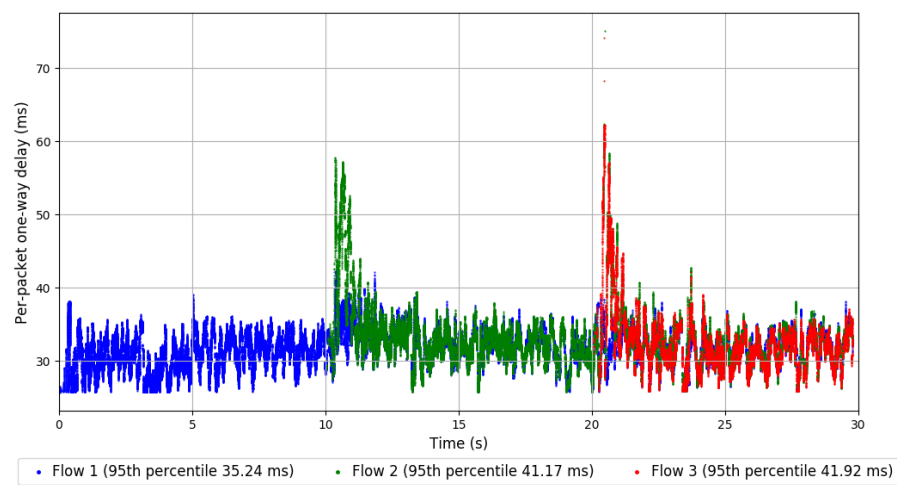
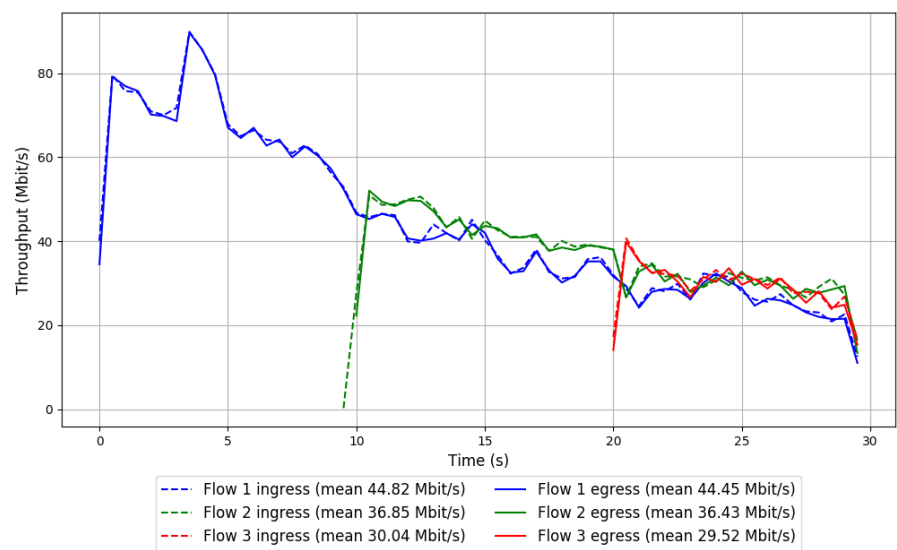


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-16 14:38:56
End at: 2018-02-16 14:39:26
Local clock offset: 0.163 ms
Remote clock offset: -7.755 ms

Below is generated by plot.py at 2018-02-16 19:33:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.26 Mbit/s
95th percentile per-packet one-way delay: 36.630 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 44.45 Mbit/s
95th percentile per-packet one-way delay: 35.241 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 36.43 Mbit/s
95th percentile per-packet one-way delay: 41.175 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 29.52 Mbit/s
95th percentile per-packet one-way delay: 41.920 ms
Loss rate: 2.30%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-02-16 10:37:38

End at: 2018-02-16 10:38:08

Local clock offset: 0.166 ms

Remote clock offset: -2.41 ms

Below is generated by plot.py at 2018-02-16 19:33:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.15 Mbit/s

95th percentile per-packet one-way delay: 55.492 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 55.36 Mbit/s

95th percentile per-packet one-way delay: 54.940 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 33.76 Mbit/s

95th percentile per-packet one-way delay: 56.409 ms

Loss rate: 0.32%

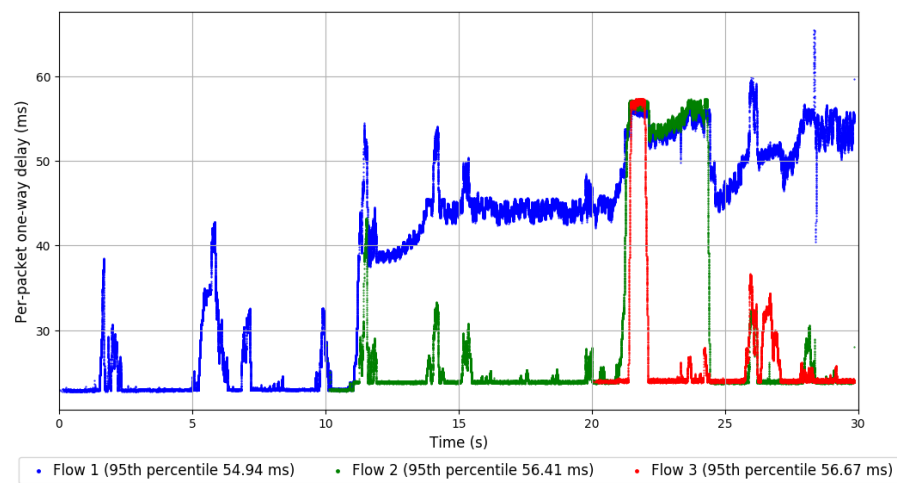
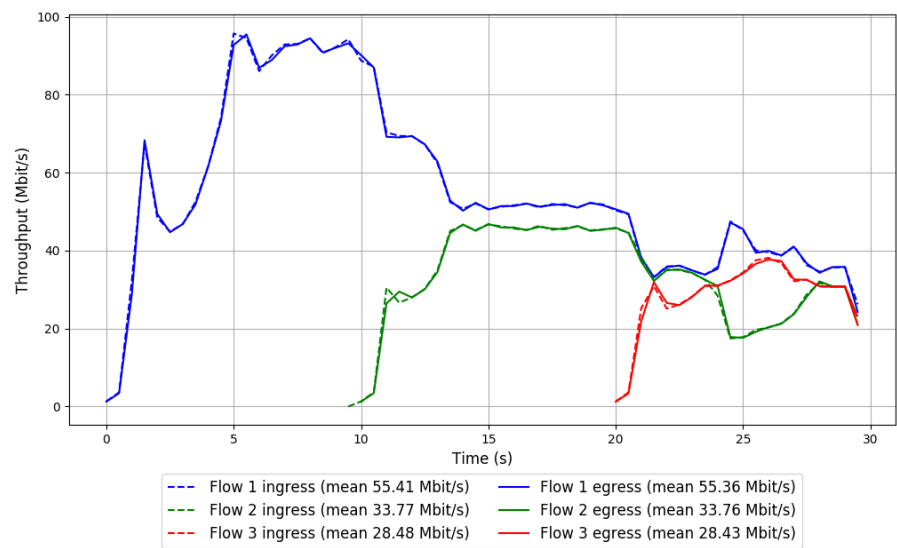
-- Flow 3:

Average throughput: 28.43 Mbit/s

95th percentile per-packet one-way delay: 56.669 ms

Loss rate: 0.73%

Run 1: Report of Vivace-latency — Data Link

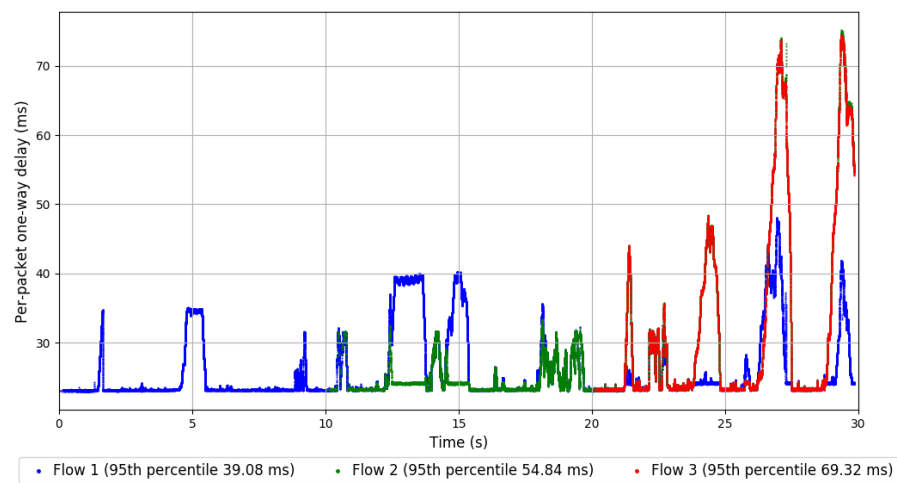
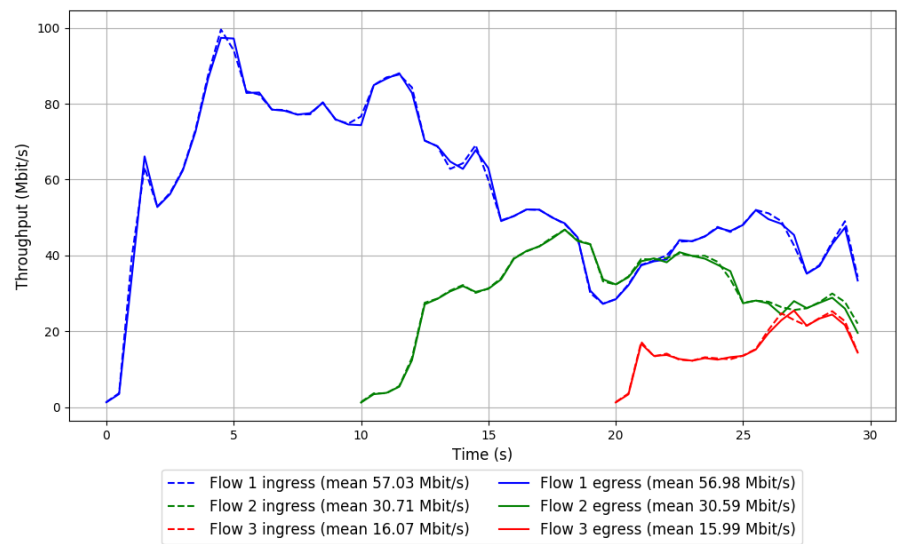


Run 2: Statistics of Vivace-latency

Start at: 2018-02-16 11:02:11
End at: 2018-02-16 11:02:41
Local clock offset: 0.195 ms
Remote clock offset: -1.673 ms

Below is generated by plot.py at 2018-02-16 19:33:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.57 Mbit/s
95th percentile per-packet one-way delay: 40.921 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 56.98 Mbit/s
95th percentile per-packet one-way delay: 39.078 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 54.836 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 15.99 Mbit/s
95th percentile per-packet one-way delay: 69.317 ms
Loss rate: 1.08%

Run 2: Report of Vivace-latency — Data Link

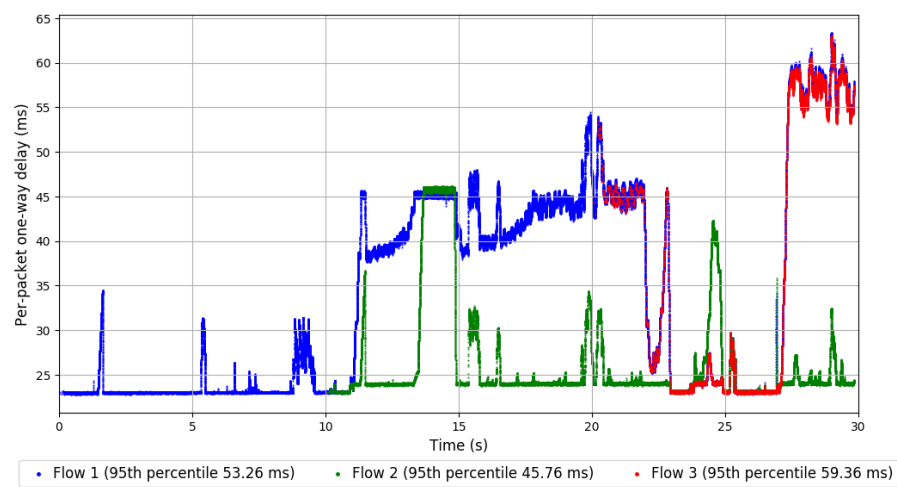
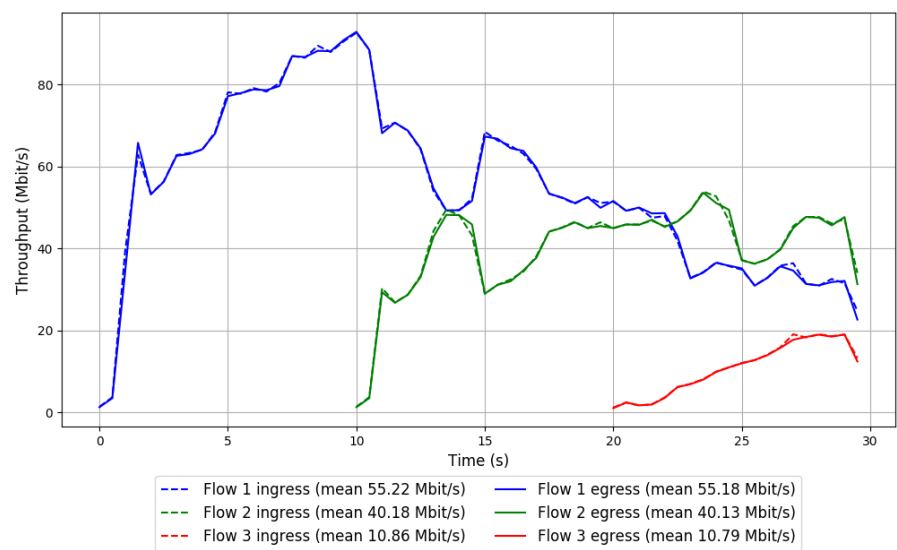


Run 3: Statistics of Vivace-latency

Start at: 2018-02-16 11:26:58
End at: 2018-02-16 11:27:28
Local clock offset: 0.141 ms
Remote clock offset: -0.947 ms

Below is generated by plot.py at 2018-02-16 19:33:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.39 Mbit/s
95th percentile per-packet one-way delay: 53.525 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 55.18 Mbit/s
95th percentile per-packet one-way delay: 53.263 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 40.13 Mbit/s
95th percentile per-packet one-way delay: 45.764 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 10.79 Mbit/s
95th percentile per-packet one-way delay: 59.358 ms
Loss rate: 1.43%

Run 3: Report of Vivace-latency — Data Link

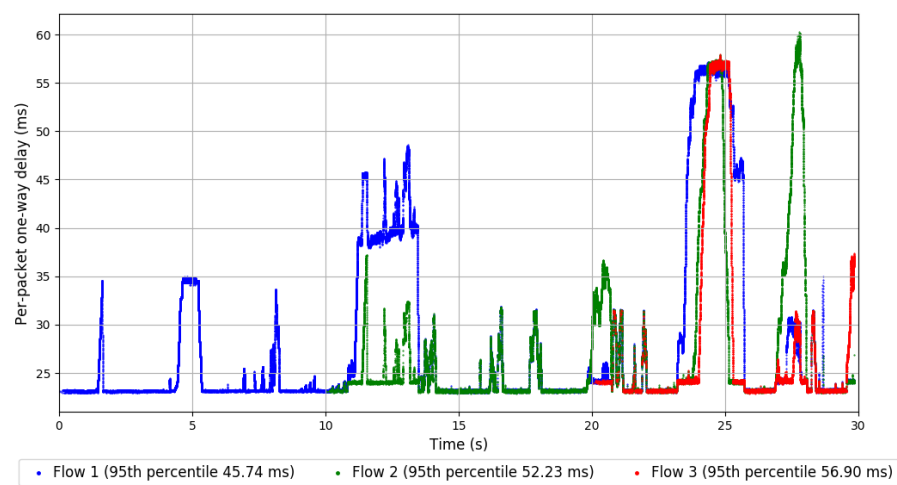
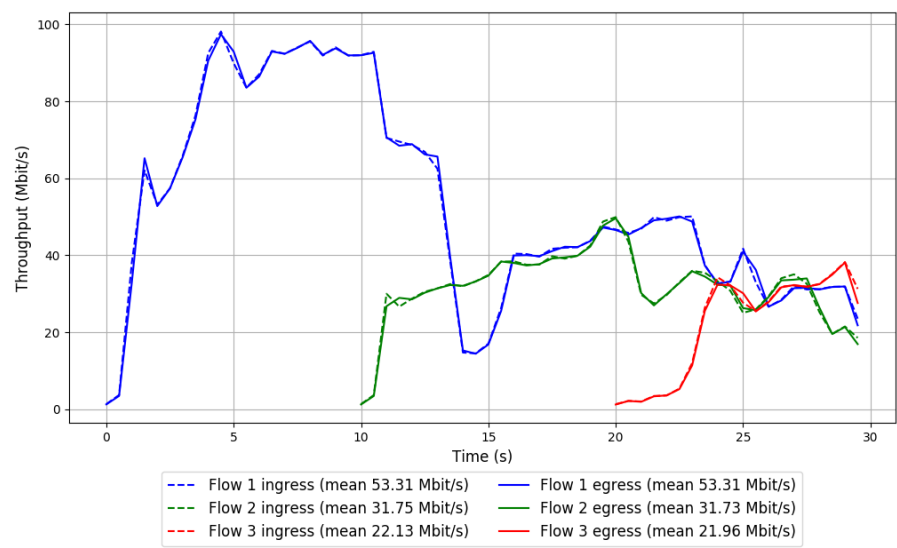


Run 4: Statistics of Vivace-latency

Start at: 2018-02-16 11:51:40
End at: 2018-02-16 11:52:10
Local clock offset: 0.167 ms
Remote clock offset: -0.341 ms

Below is generated by plot.py at 2018-02-16 19:34:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.62 Mbit/s
95th percentile per-packet one-way delay: 50.537 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 53.31 Mbit/s
95th percentile per-packet one-way delay: 45.744 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 31.73 Mbit/s
95th percentile per-packet one-way delay: 52.235 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 21.96 Mbit/s
95th percentile per-packet one-way delay: 56.895 ms
Loss rate: 1.29%

Run 4: Report of Vivace-latency — Data Link

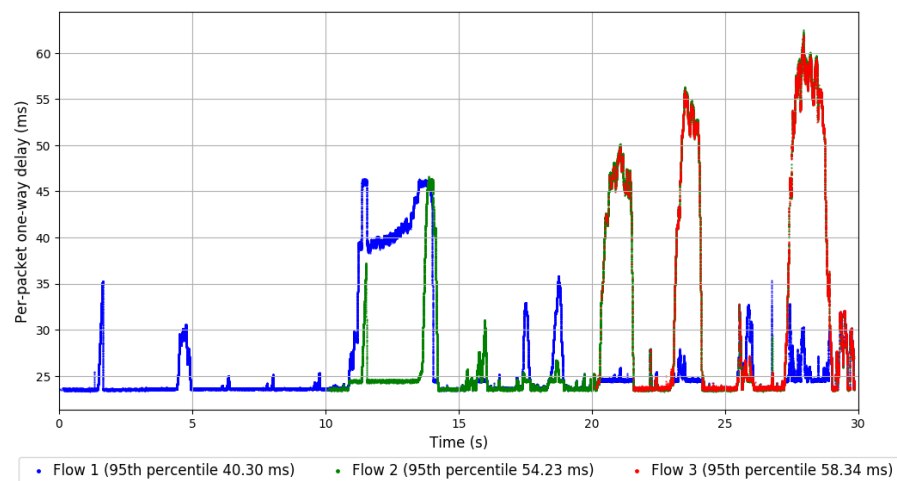
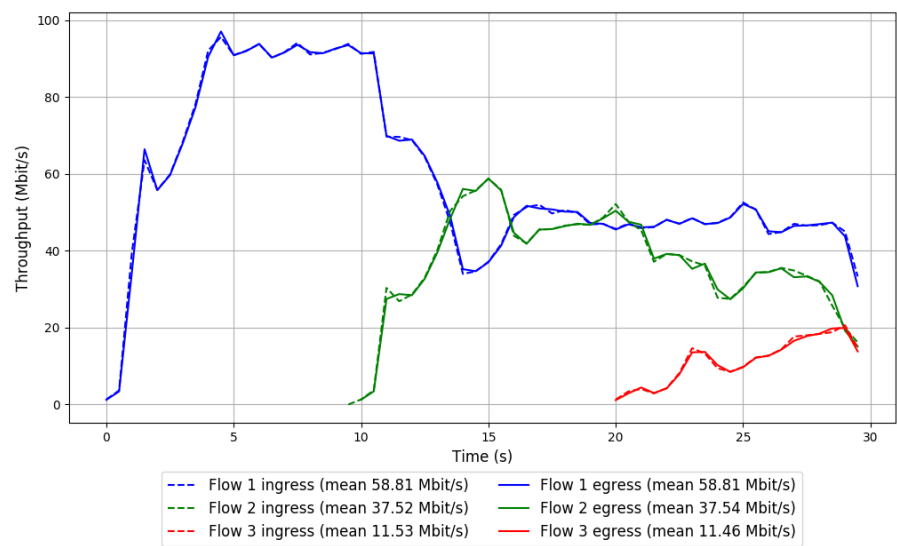


Run 5: Statistics of Vivace-latency

Start at: 2018-02-16 12:16:14
End at: 2018-02-16 12:16:44
Local clock offset: 0.283 ms
Remote clock offset: -0.751 ms

```
# Below is generated by plot.py at 2018-02-16 19:34:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.53 Mbit/s
95th percentile per-packet one-way delay: 46.167 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 58.81 Mbit/s
95th percentile per-packet one-way delay: 40.303 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 37.54 Mbit/s
95th percentile per-packet one-way delay: 54.228 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 11.46 Mbit/s
95th percentile per-packet one-way delay: 58.345 ms
Loss rate: 1.15%
```


Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-02-16 12:40:57

End at: 2018-02-16 12:41:27

Local clock offset: 0.155 ms

Remote clock offset: 2.066 ms

Below is generated by plot.py at 2018-02-16 19:34:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.14 Mbit/s

95th percentile per-packet one-way delay: 49.072 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 53.55 Mbit/s

95th percentile per-packet one-way delay: 40.238 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 38.87 Mbit/s

95th percentile per-packet one-way delay: 54.284 ms

Loss rate: 0.23%

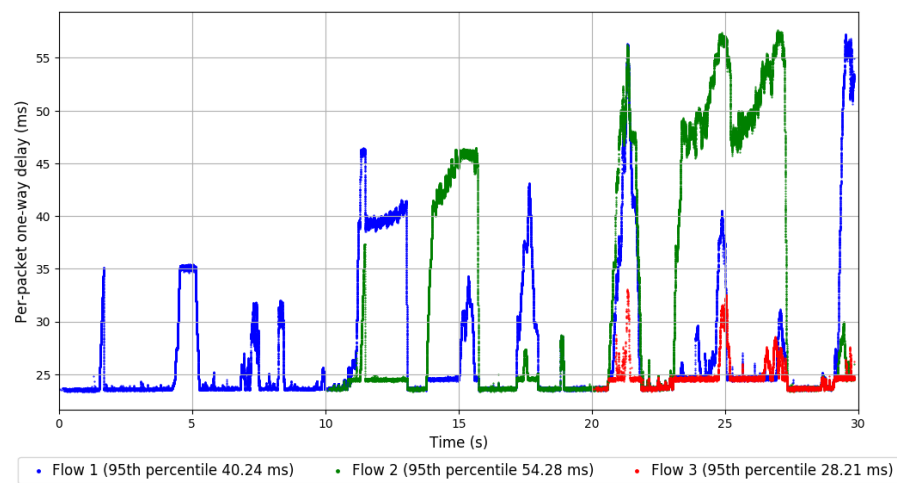
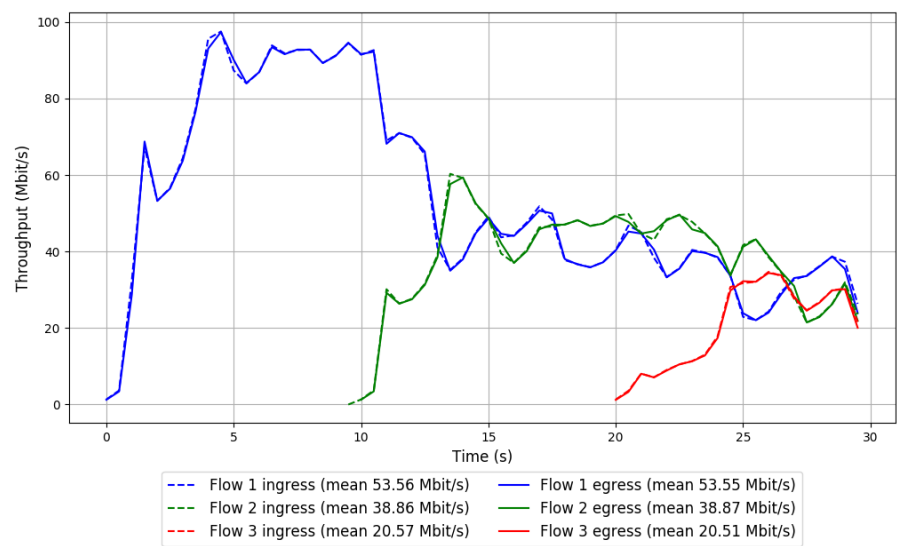
-- Flow 3:

Average throughput: 20.51 Mbit/s

95th percentile per-packet one-way delay: 28.210 ms

Loss rate: 0.79%

Run 6: Report of Vivace-latency — Data Link

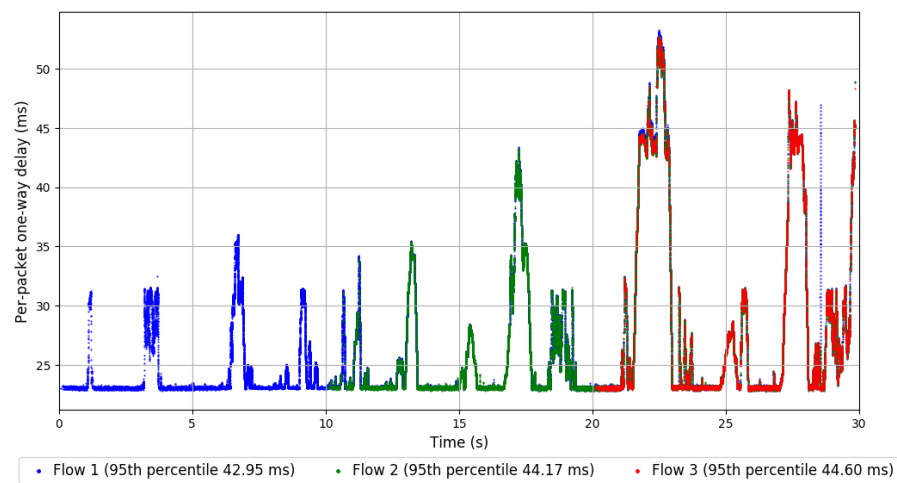
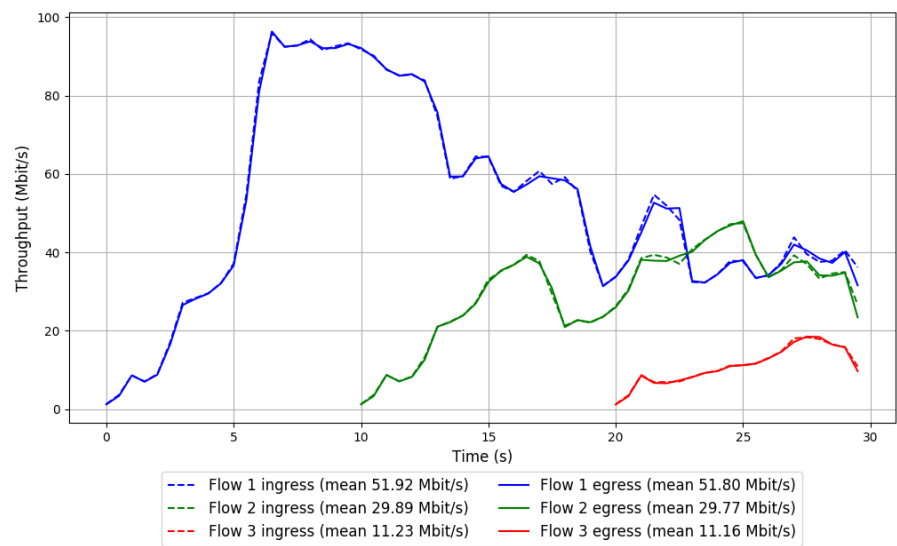


Run 7: Statistics of Vivace-latency

Start at: 2018-02-16 13:05:37
End at: 2018-02-16 13:06:07
Local clock offset: -0.066 ms
Remote clock offset: -3.847 ms

Below is generated by plot.py at 2018-02-16 19:34:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.25 Mbit/s
95th percentile per-packet one-way delay: 43.747 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 51.80 Mbit/s
95th percentile per-packet one-way delay: 42.949 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 29.77 Mbit/s
95th percentile per-packet one-way delay: 44.175 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 11.16 Mbit/s
95th percentile per-packet one-way delay: 44.599 ms
Loss rate: 1.18%

Run 7: Report of Vivace-latency — Data Link

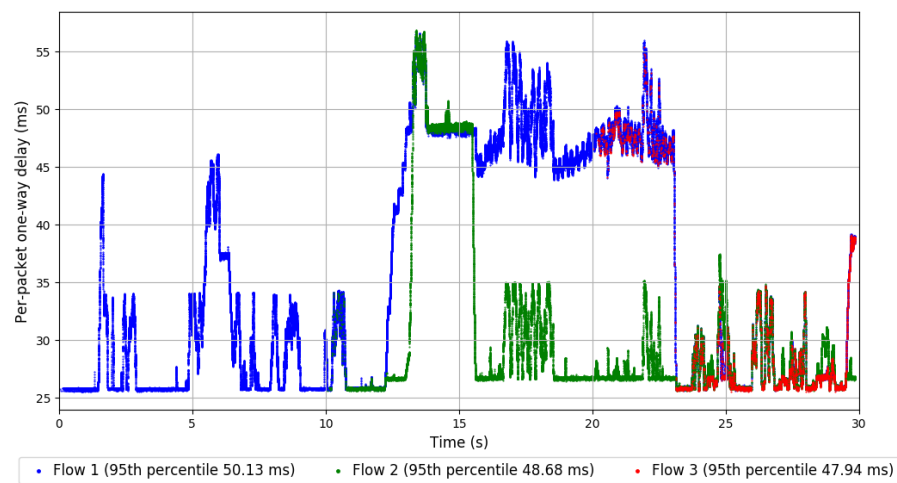
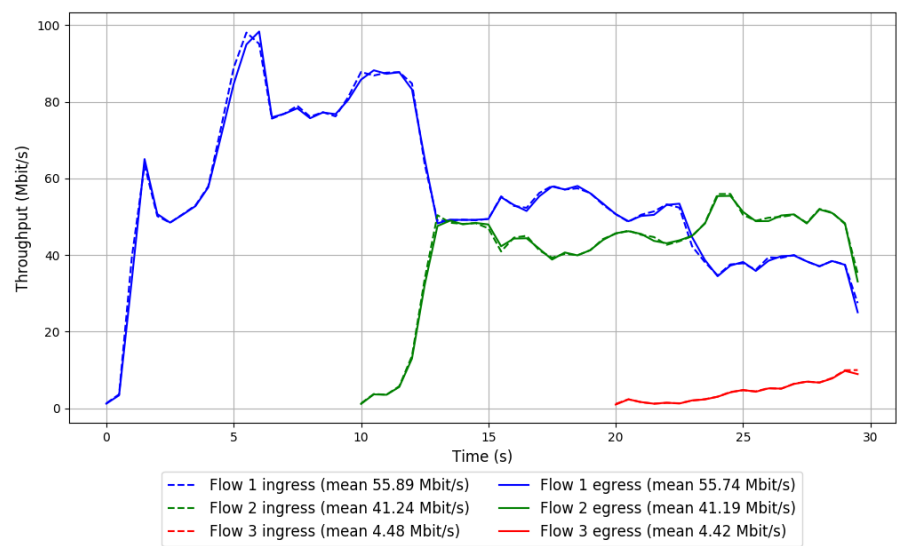


Run 8: Statistics of Vivace-latency

Start at: 2018-02-16 13:30:14
End at: 2018-02-16 13:30:44
Local clock offset: 0.001 ms
Remote clock offset: -8.237 ms

Below is generated by plot.py at 2018-02-16 19:34:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.55 Mbit/s
95th percentile per-packet one-way delay: 49.532 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 55.74 Mbit/s
95th percentile per-packet one-way delay: 50.134 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 41.19 Mbit/s
95th percentile per-packet one-way delay: 48.682 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 47.941 ms
Loss rate: 2.04%

Run 8: Report of Vivace-latency — Data Link

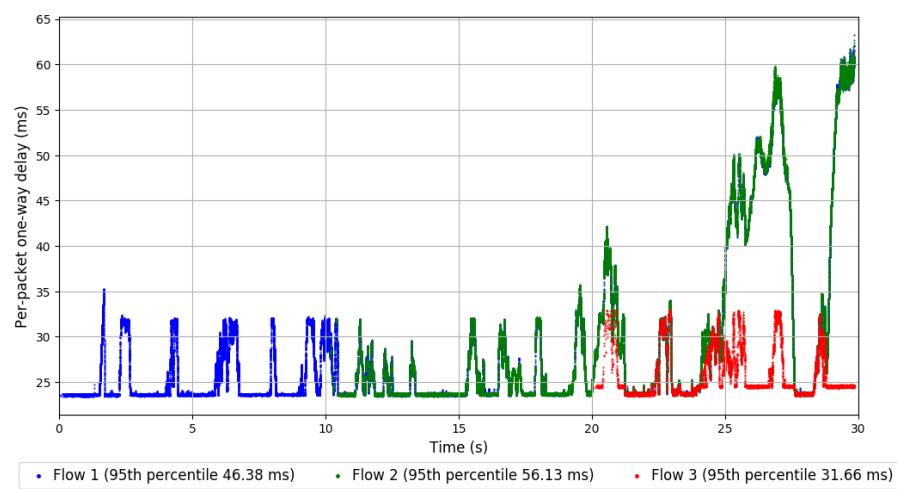
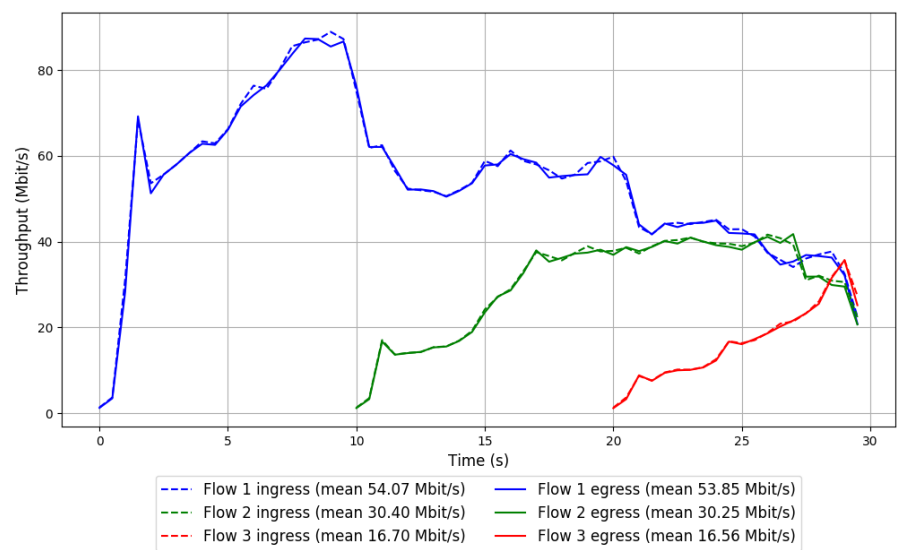


Run 9: Statistics of Vivace-latency

Start at: 2018-02-16 13:55:09
End at: 2018-02-16 13:55:39
Local clock offset: 0.272 ms
Remote clock offset: -5.888 ms

Below is generated by plot.py at 2018-02-16 19:35:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.39 Mbit/s
95th percentile per-packet one-way delay: 49.287 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 53.85 Mbit/s
95th percentile per-packet one-way delay: 46.382 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 30.25 Mbit/s
95th percentile per-packet one-way delay: 56.131 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 16.56 Mbit/s
95th percentile per-packet one-way delay: 31.658 ms
Loss rate: 1.40%

Run 9: Report of Vivace-latency — Data Link

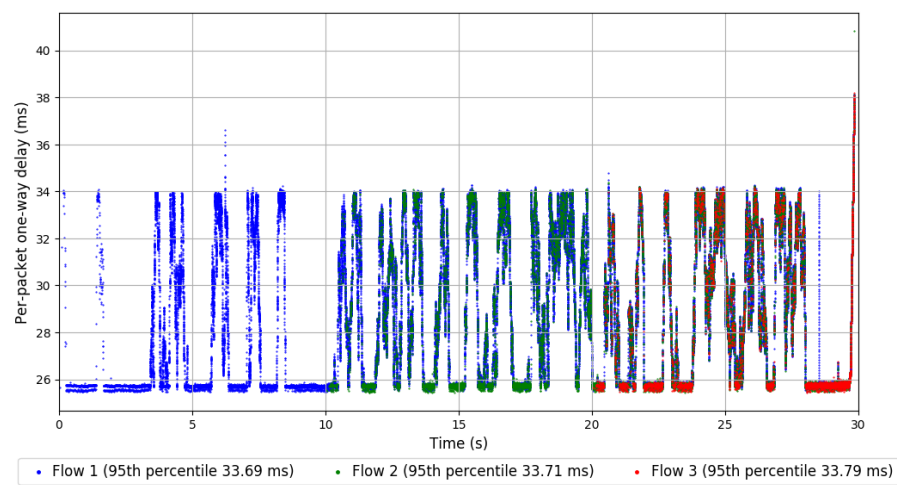
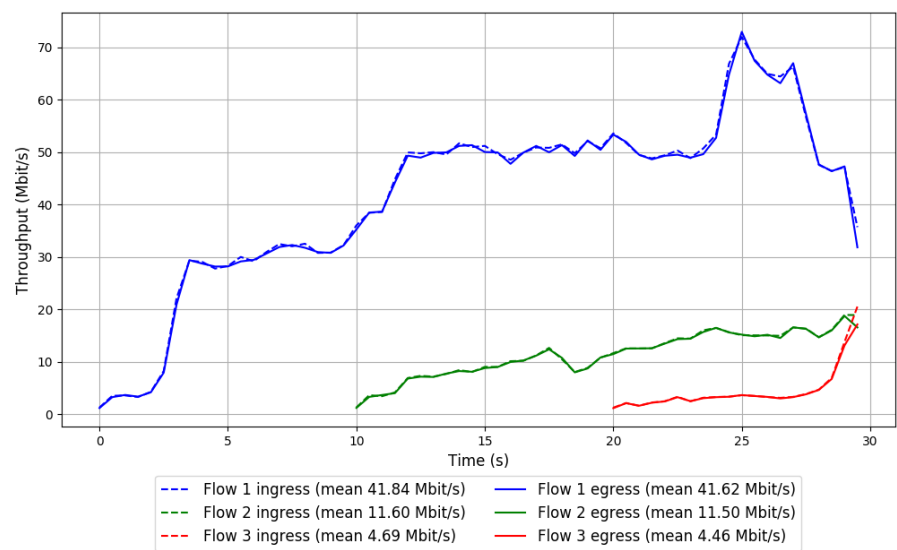


Run 10: Statistics of Vivace-latency

Start at: 2018-02-16 14:20:27
End at: 2018-02-16 14:20:57
Local clock offset: 0.294 ms
Remote clock offset: -8.338 ms

Below is generated by plot.py at 2018-02-16 19:35:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.73 Mbit/s
95th percentile per-packet one-way delay: 33.699 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 41.62 Mbit/s
95th percentile per-packet one-way delay: 33.694 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 11.50 Mbit/s
95th percentile per-packet one-way delay: 33.714 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 33.790 ms
Loss rate: 5.28%

Run 10: Report of Vivace-latency — Data Link

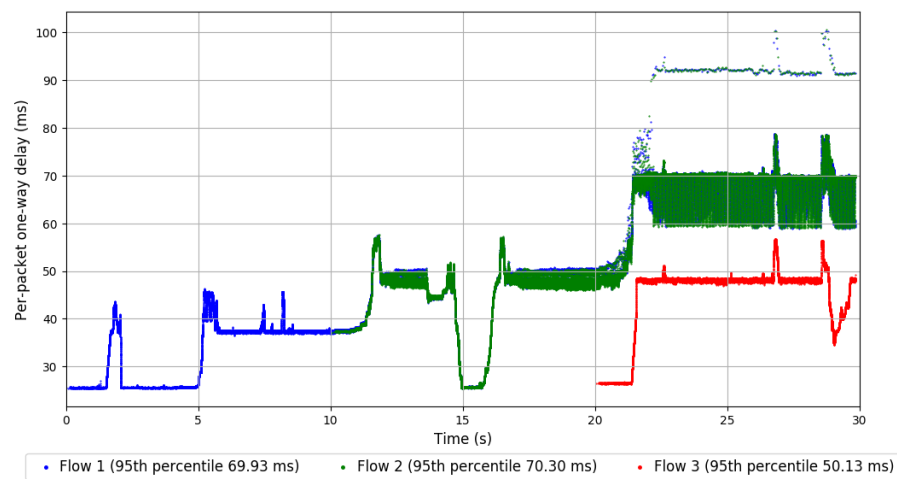
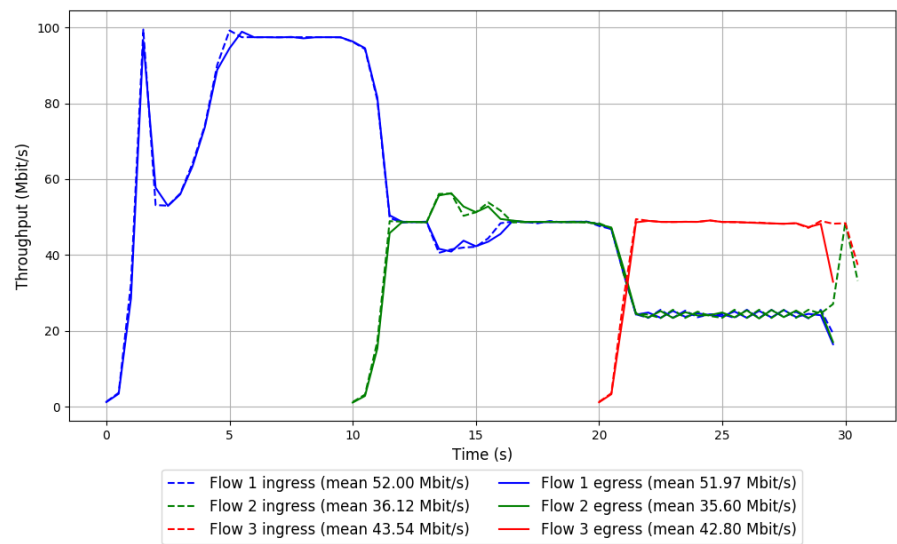


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-16 10:56:40
End at: 2018-02-16 10:57:10
Local clock offset: 0.186 ms
Remote clock offset: -4.524 ms

# Below is generated by plot.py at 2018-02-16 19:35:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.68 Mbit/s
95th percentile per-packet one-way delay: 70.021 ms
Loss rate: 3.85%
-- Flow 1:
Average throughput: 51.97 Mbit/s
95th percentile per-packet one-way delay: 69.926 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 35.60 Mbit/s
95th percentile per-packet one-way delay: 70.298 ms
Loss rate: 6.46%
-- Flow 3:
Average throughput: 42.80 Mbit/s
95th percentile per-packet one-way delay: 50.129 ms
Loss rate: 11.24%
```

Run 1: Report of Vivace-loss — Data Link

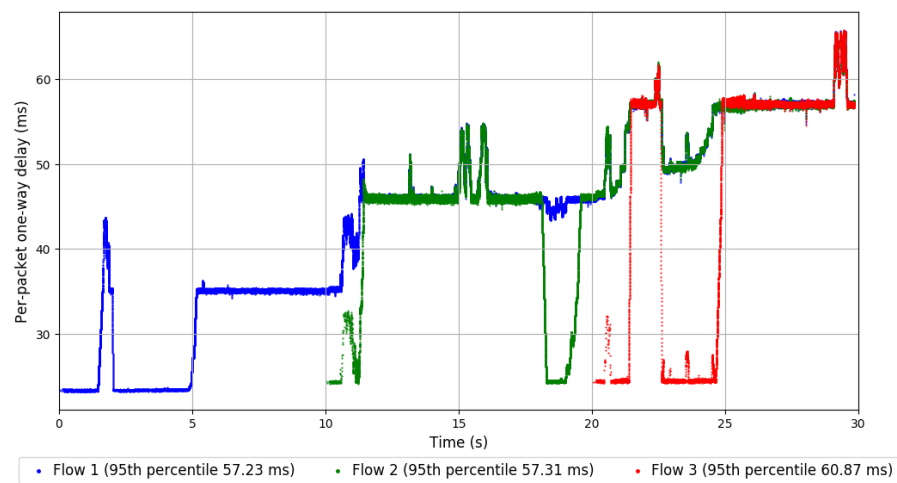
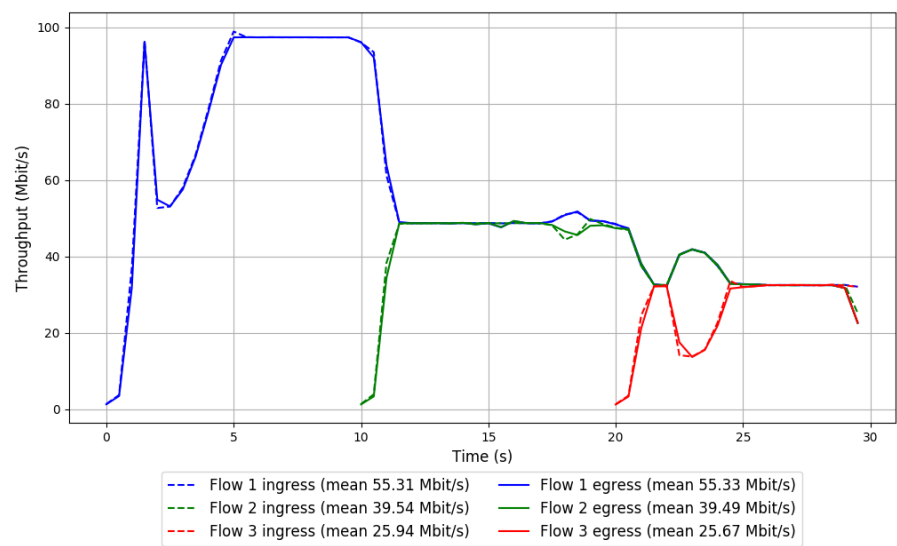


Run 2: Statistics of Vivace-loss

Start at: 2018-02-16 11:21:27
End at: 2018-02-16 11:21:57
Local clock offset: 0.179 ms
Remote clock offset: -1.615 ms

Below is generated by plot.py at 2018-02-16 19:35:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.01 Mbit/s
95th percentile per-packet one-way delay: 57.332 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 55.33 Mbit/s
95th percentile per-packet one-way delay: 57.228 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 39.49 Mbit/s
95th percentile per-packet one-way delay: 57.306 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 25.67 Mbit/s
95th percentile per-packet one-way delay: 60.873 ms
Loss rate: 2.68%

Run 2: Report of Vivace-loss — Data Link

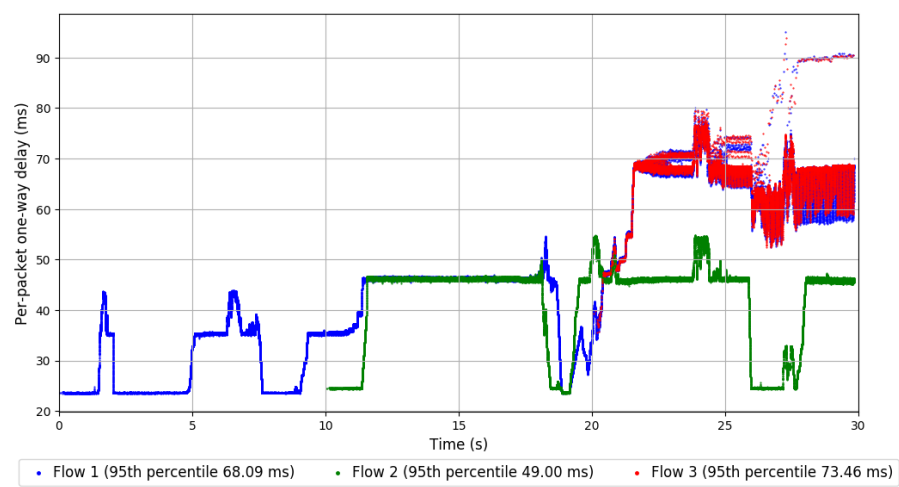
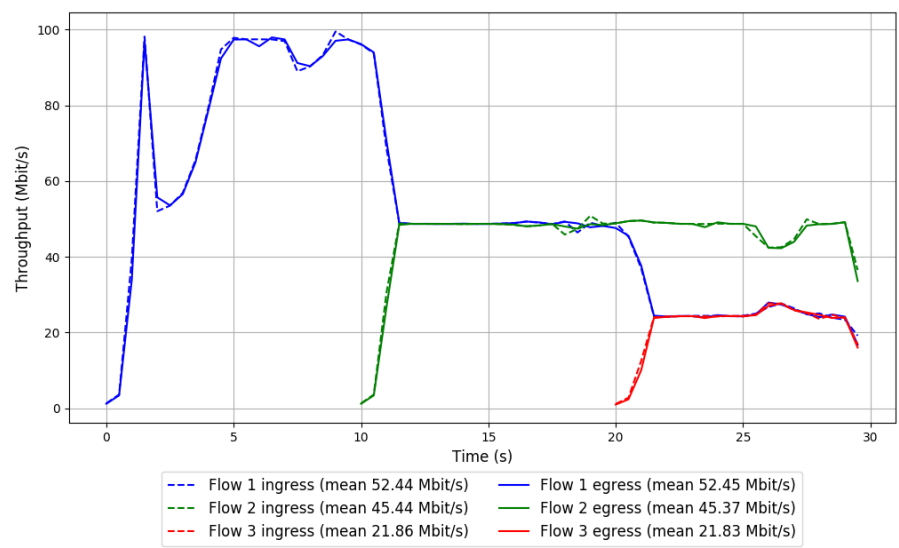


Run 3: Statistics of Vivace-loss

Start at: 2018-02-16 11:46:10
End at: 2018-02-16 11:46:40
Local clock offset: 0.178 ms
Remote clock offset: -0.782 ms

Below is generated by plot.py at 2018-02-16 19:35:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.75 Mbit/s
95th percentile per-packet one-way delay: 68.256 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 52.45 Mbit/s
95th percentile per-packet one-way delay: 68.088 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 45.37 Mbit/s
95th percentile per-packet one-way delay: 49.000 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 21.83 Mbit/s
95th percentile per-packet one-way delay: 73.464 ms
Loss rate: 1.06%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-16 12:10:44

End at: 2018-02-16 12:11:14

Local clock offset: 0.227 ms

Remote clock offset: -2.95 ms

Below is generated by plot.py at 2018-02-16 19:36:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.87 Mbit/s

95th percentile per-packet one-way delay: 59.769 ms

Loss rate: 2.16%

-- Flow 1:

Average throughput: 54.91 Mbit/s

95th percentile per-packet one-way delay: 59.500 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 39.99 Mbit/s

95th percentile per-packet one-way delay: 60.008 ms

Loss rate: 3.21%

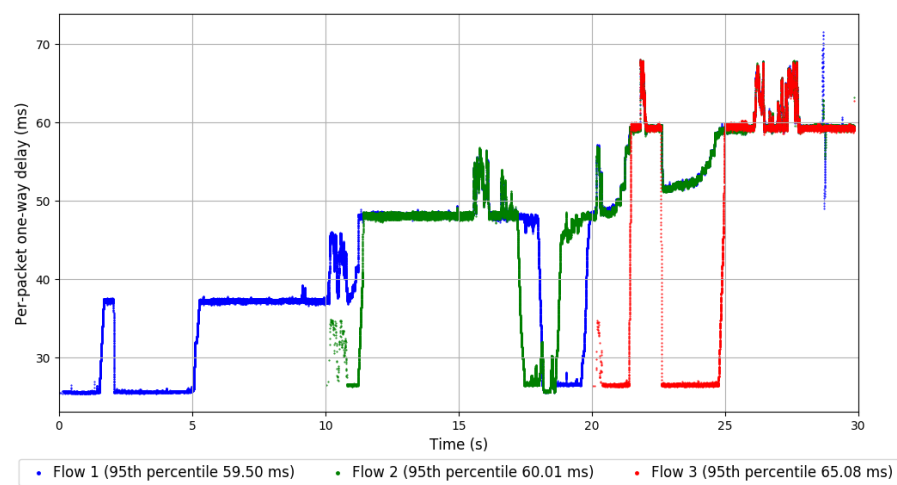
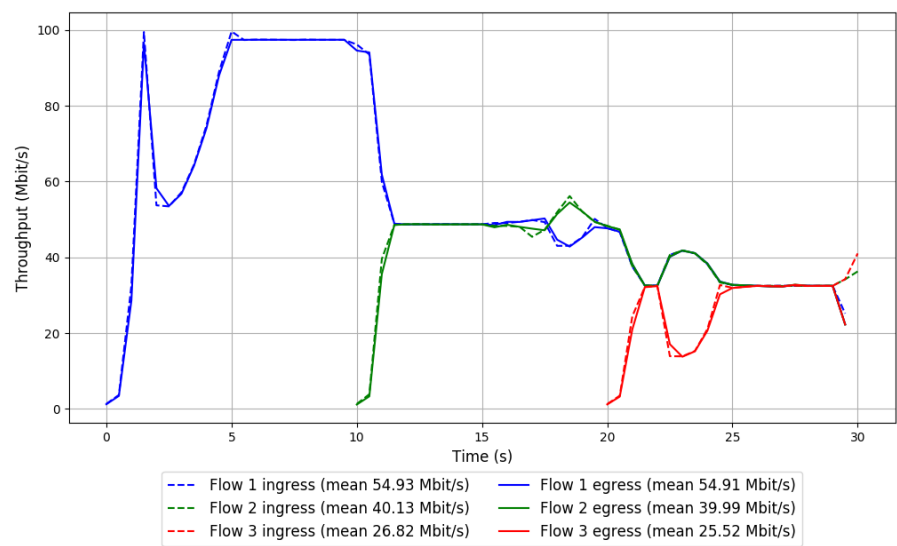
-- Flow 3:

Average throughput: 25.52 Mbit/s

95th percentile per-packet one-way delay: 65.082 ms

Loss rate: 10.22%

Run 4: Report of Vivace-loss — Data Link

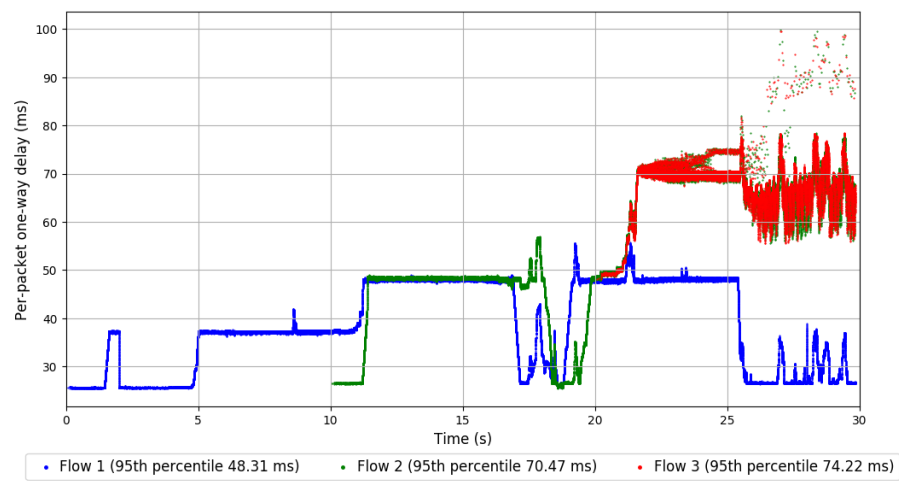
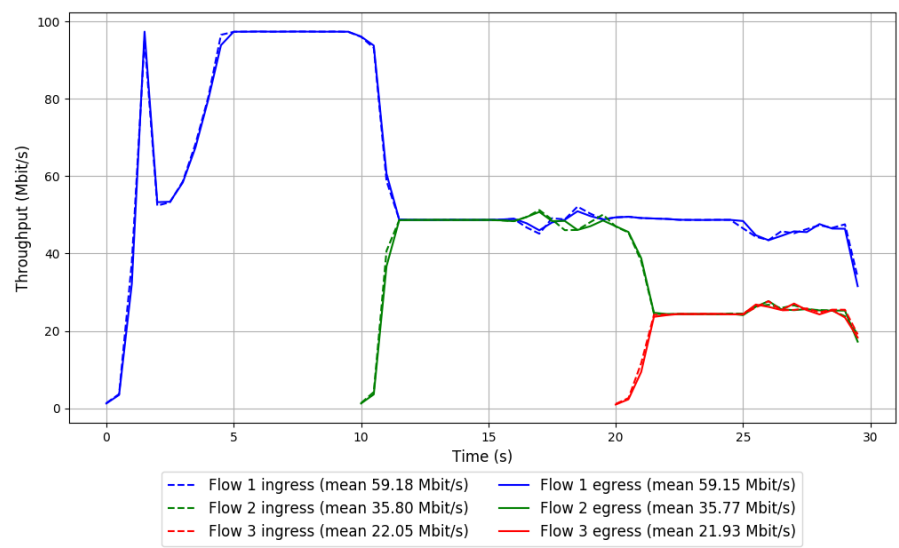


Run 5: Statistics of Vivace-loss

Start at: 2018-02-16 12:35:16
End at: 2018-02-16 12:35:46
Local clock offset: 0.273 ms
Remote clock offset: -0.287 ms

Below is generated by plot.py at 2018-02-16 19:36:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.09 Mbit/s
95th percentile per-packet one-way delay: 70.185 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 59.15 Mbit/s
95th percentile per-packet one-way delay: 48.313 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 35.77 Mbit/s
95th percentile per-packet one-way delay: 70.471 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 21.93 Mbit/s
95th percentile per-packet one-way delay: 74.217 ms
Loss rate: 1.46%

Run 5: Report of Vivace-loss — Data Link

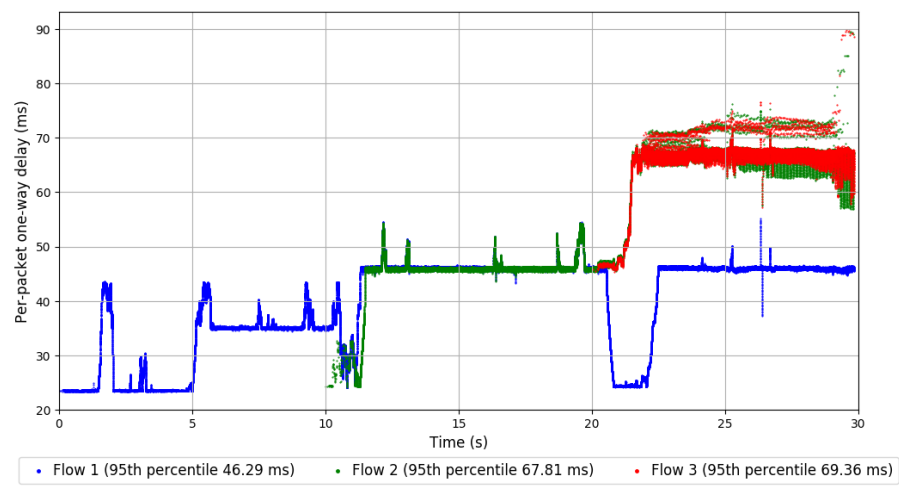
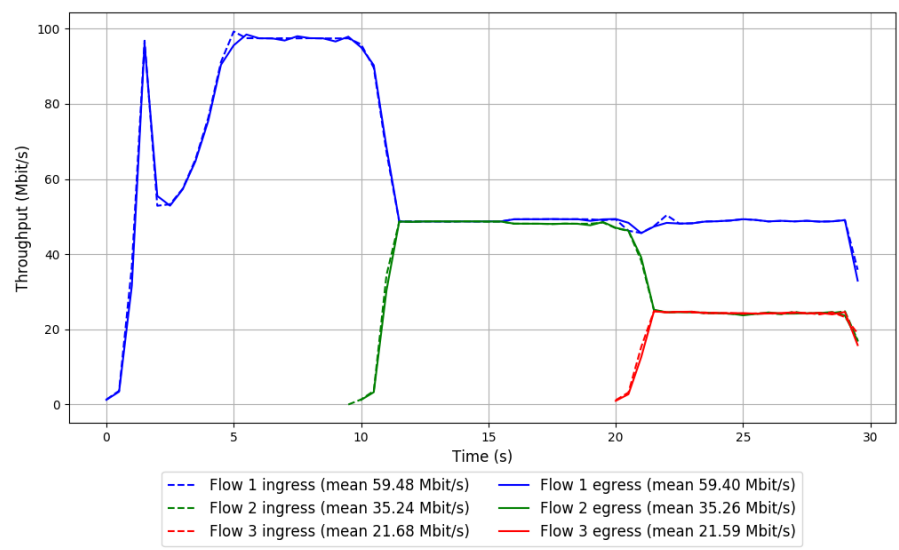


Run 6: Statistics of Vivace-loss

Start at: 2018-02-16 13:00:07
End at: 2018-02-16 13:00:37
Local clock offset: 0.002 ms
Remote clock offset: -2.533 ms

Below is generated by plot.py at 2018-02-16 19:36:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.91 Mbit/s
95th percentile per-packet one-way delay: 67.553 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 59.40 Mbit/s
95th percentile per-packet one-way delay: 46.293 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 35.26 Mbit/s
95th percentile per-packet one-way delay: 67.813 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 21.59 Mbit/s
95th percentile per-packet one-way delay: 69.361 ms
Loss rate: 1.22%

Run 6: Report of Vivace-loss — Data Link

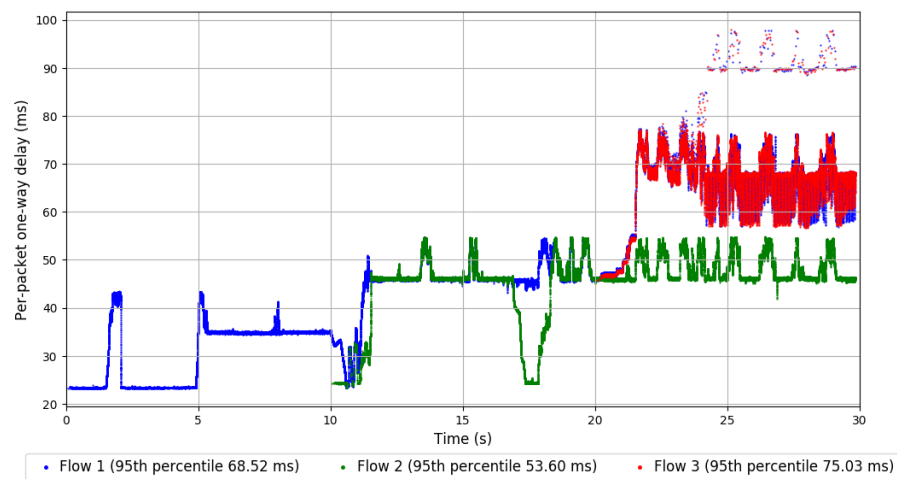
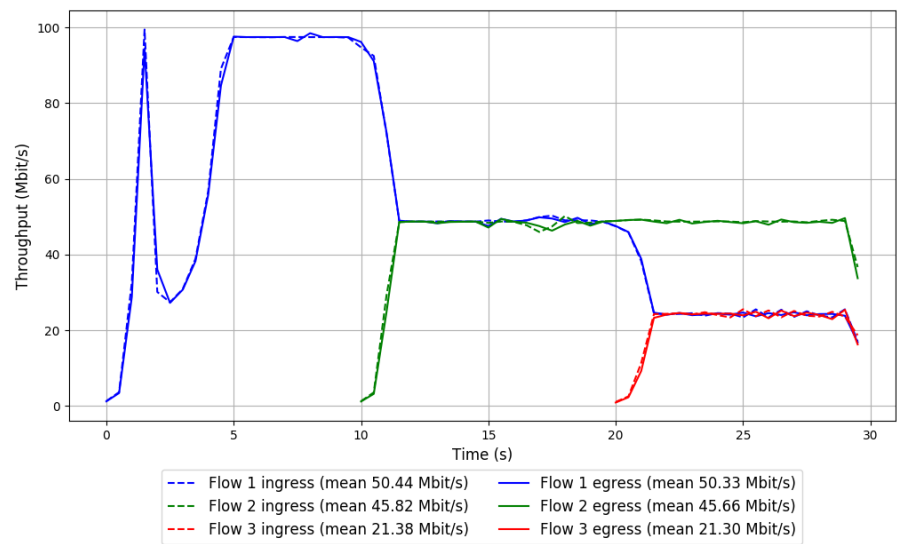


Run 7: Statistics of Vivace-loss

Start at: 2018-02-16 13:24:44
End at: 2018-02-16 13:25:14
Local clock offset: -0.079 ms
Remote clock offset: -6.231 ms

Below is generated by plot.py at 2018-02-16 19:36:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.65 Mbit/s
95th percentile per-packet one-way delay: 69.483 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 50.33 Mbit/s
95th percentile per-packet one-way delay: 68.518 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 45.66 Mbit/s
95th percentile per-packet one-way delay: 53.604 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 21.30 Mbit/s
95th percentile per-packet one-way delay: 75.032 ms
Loss rate: 1.40%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-16 13:49:35

End at: 2018-02-16 13:50:05

Local clock offset: 0.123 ms

Remote clock offset: -5.28 ms

Below is generated by plot.py at 2018-02-16 19:36:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.78 Mbit/s

95th percentile per-packet one-way delay: 59.160 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 53.76 Mbit/s

95th percentile per-packet one-way delay: 56.779 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 39.74 Mbit/s

95th percentile per-packet one-way delay: 60.039 ms

Loss rate: 0.62%

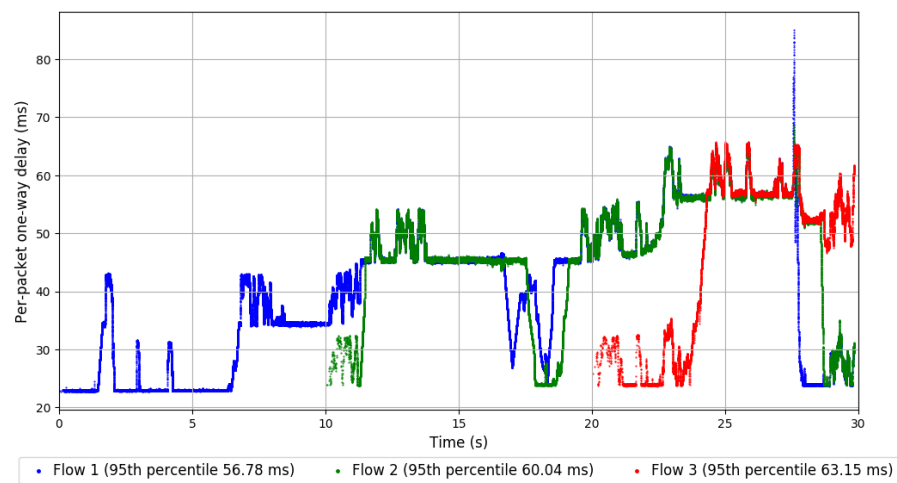
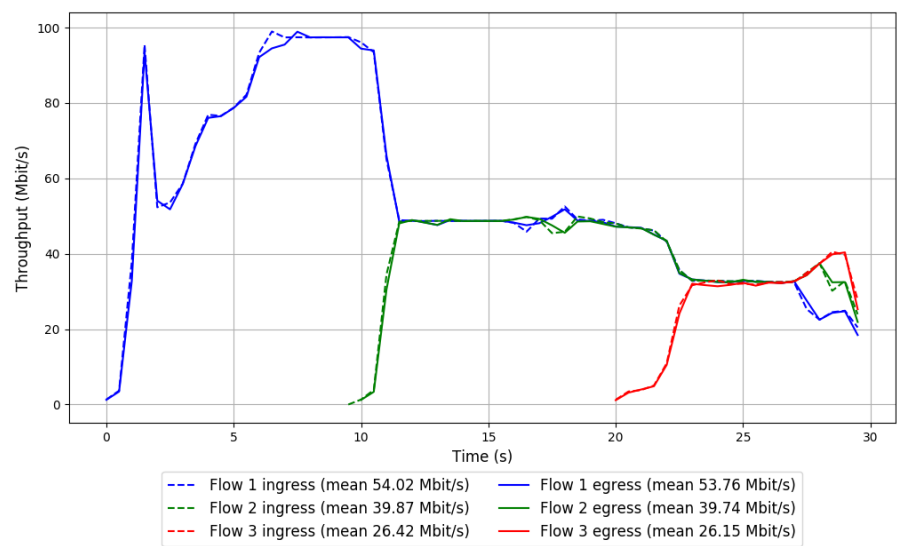
-- Flow 3:

Average throughput: 26.15 Mbit/s

95th percentile per-packet one-way delay: 63.147 ms

Loss rate: 1.60%

Run 8: Report of Vivace-loss — Data Link

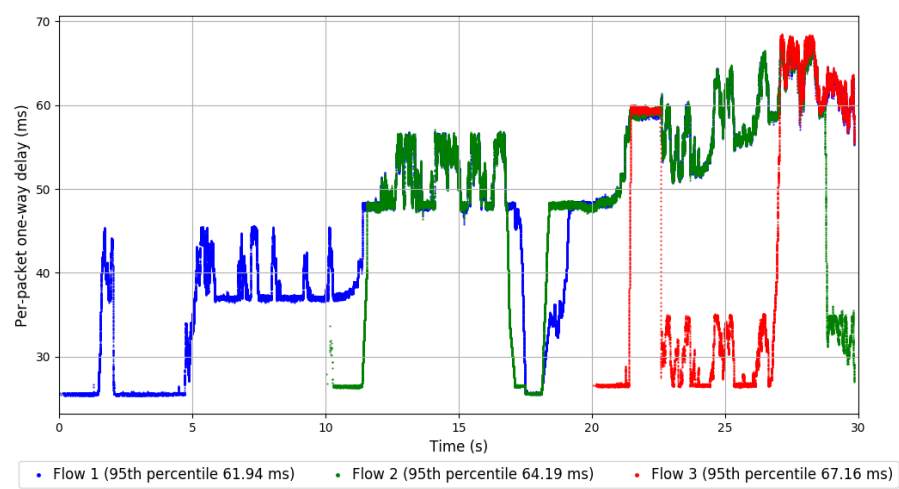
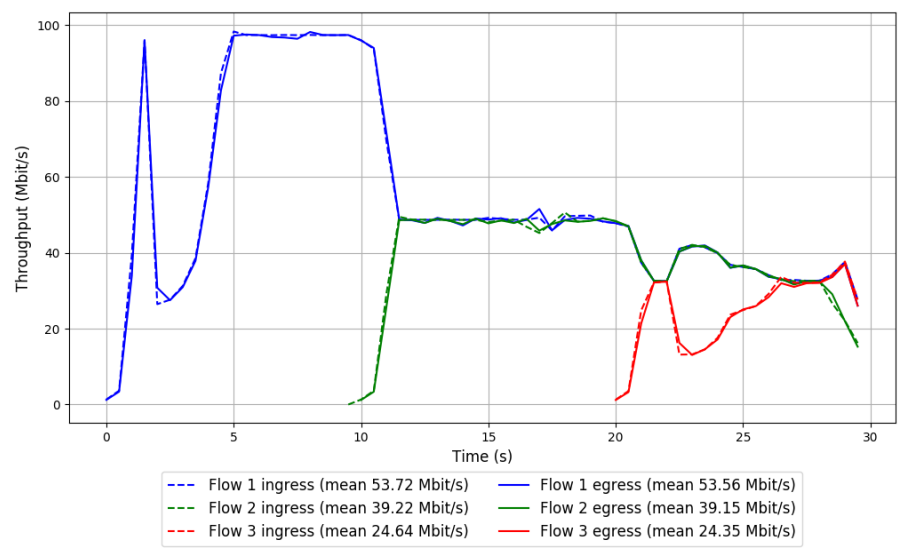


Run 9: Statistics of Vivace-loss

Start at: 2018-02-16 14:14:46
End at: 2018-02-16 14:15:16
Local clock offset: 0.443 ms
Remote clock offset: -7.996 ms

Below is generated by plot.py at 2018-02-16 19:36:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.57 Mbit/s
95th percentile per-packet one-way delay: 63.586 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 53.56 Mbit/s
95th percentile per-packet one-way delay: 61.943 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 39.15 Mbit/s
95th percentile per-packet one-way delay: 64.190 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 67.158 ms
Loss rate: 1.76%

Run 9: Report of Vivace-loss — Data Link

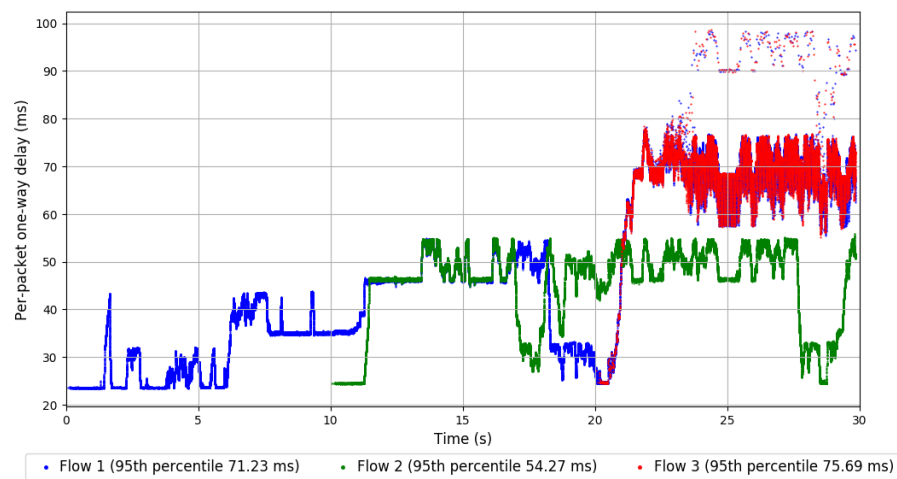
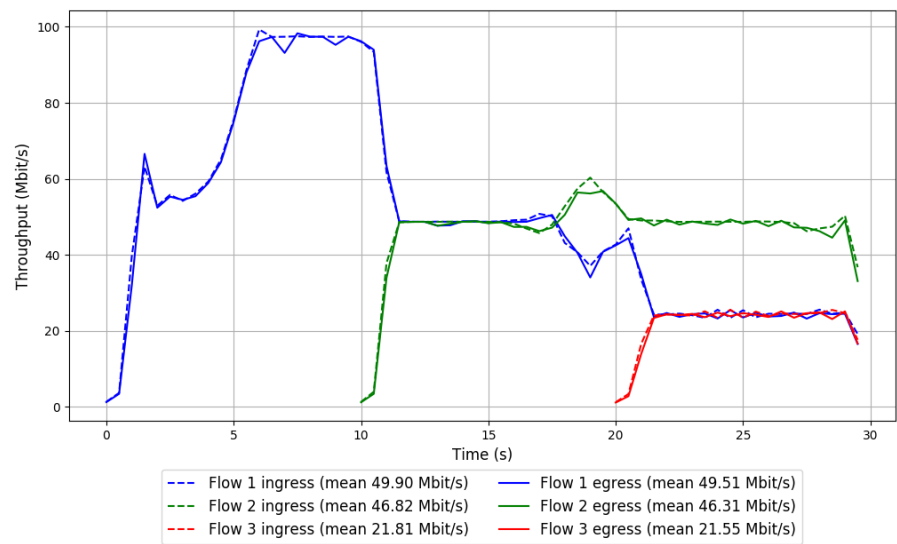


Run 10: Statistics of Vivace-loss

Start at: 2018-02-16 14:40:34
End at: 2018-02-16 14:41:04
Local clock offset: 0.266 ms
Remote clock offset: -5.256 ms

Below is generated by plot.py at 2018-02-16 19:37:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.35 Mbit/s
95th percentile per-packet one-way delay: 71.705 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 49.51 Mbit/s
95th percentile per-packet one-way delay: 71.233 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 46.31 Mbit/s
95th percentile per-packet one-way delay: 54.273 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 21.55 Mbit/s
95th percentile per-packet one-way delay: 75.686 ms
Loss rate: 1.95%

Run 10: Report of Vivace-loss — Data Link

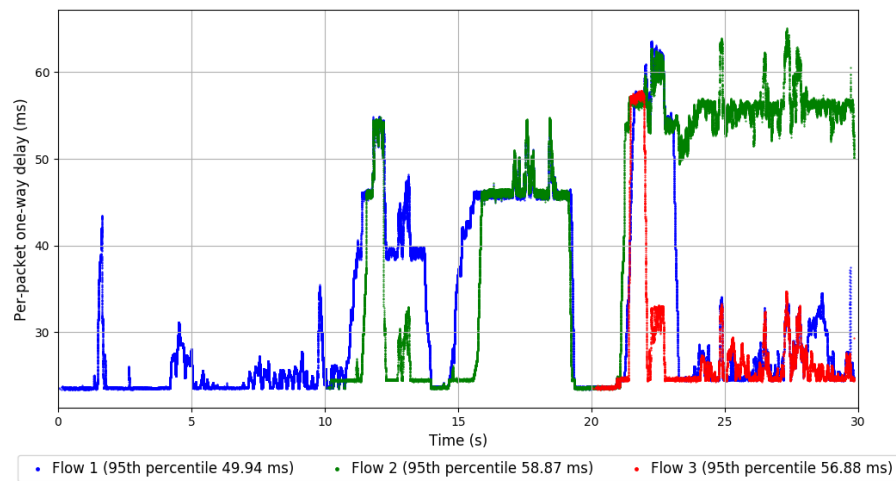
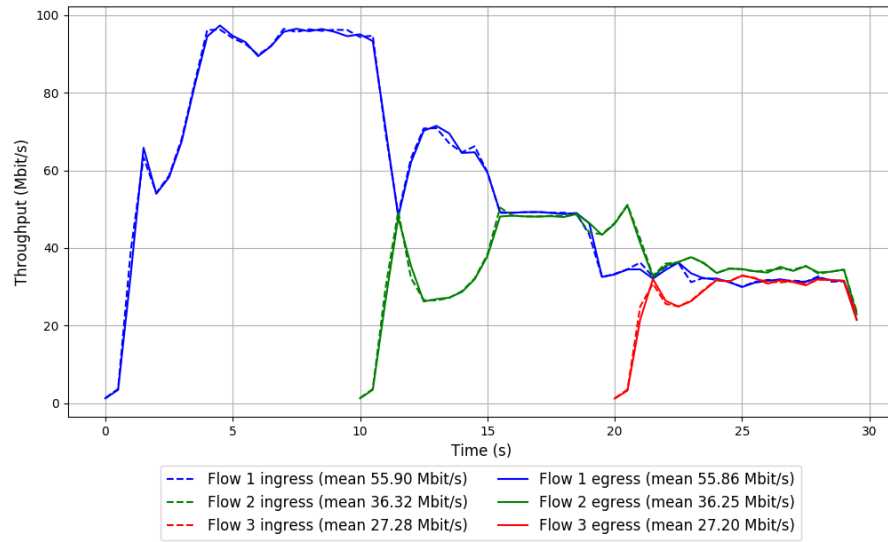


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-16 10:49:55
End at: 2018-02-16 10:50:25
Local clock offset: 0.034 ms
Remote clock offset: -2.957 ms

Below is generated by plot.py at 2018-02-16 19:37:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.89 Mbit/s
95th percentile per-packet one-way delay: 56.526 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 55.86 Mbit/s
95th percentile per-packet one-way delay: 49.938 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 58.866 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 27.20 Mbit/s
95th percentile per-packet one-way delay: 56.875 ms
Loss rate: 0.79%

Run 1: Report of Vivace-LTE — Data Link

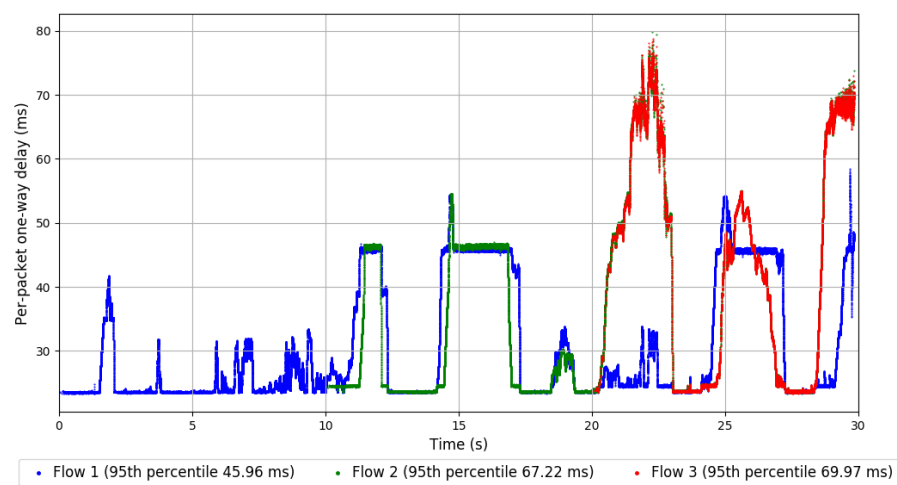
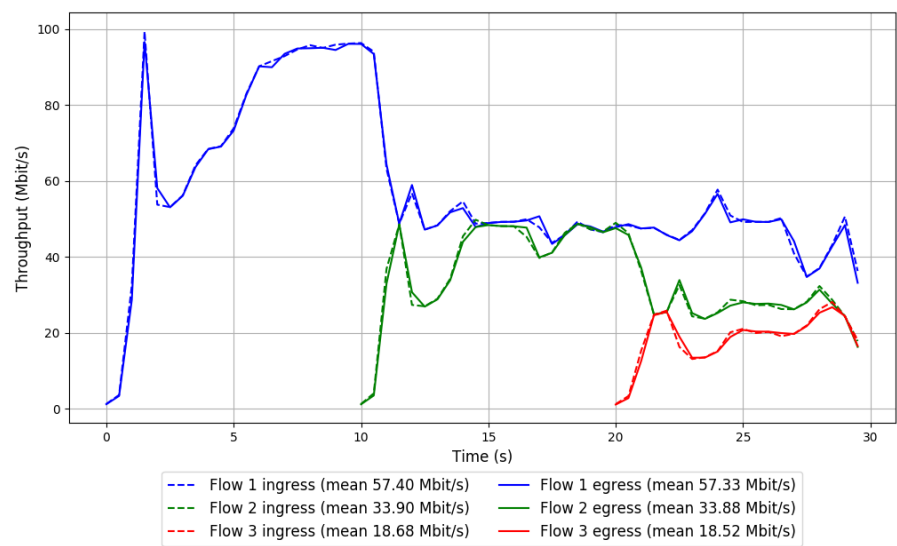


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-16 11:14:32
End at: 2018-02-16 11:15:02
Local clock offset: 0.293 ms
Remote clock offset: -1.668 ms

Below is generated by plot.py at 2018-02-16 19:37:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.92 Mbit/s
95th percentile per-packet one-way delay: 54.382 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 57.33 Mbit/s
95th percentile per-packet one-way delay: 45.964 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 33.88 Mbit/s
95th percentile per-packet one-way delay: 67.220 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 18.52 Mbit/s
95th percentile per-packet one-way delay: 69.973 ms
Loss rate: 1.38%

Run 2: Report of Vivace-LTE — Data Link

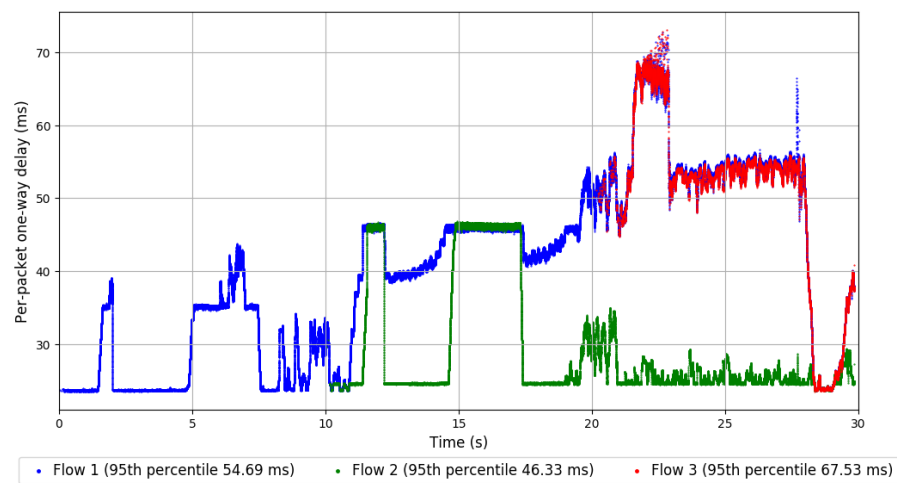
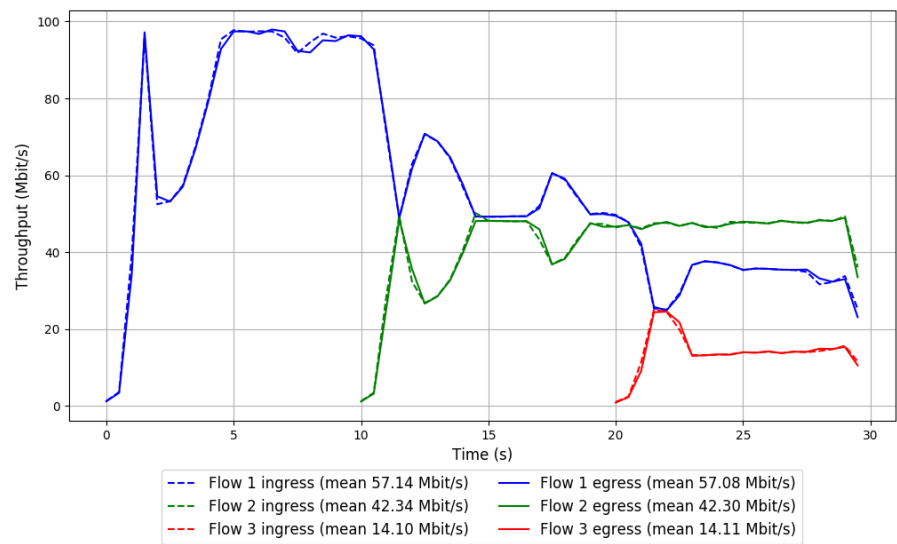


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-16 11:39:27
End at: 2018-02-16 11:39:57
Local clock offset: 0.219 ms
Remote clock offset: -0.898 ms

Below is generated by plot.py at 2018-02-16 19:37:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.79 Mbit/s
95th percentile per-packet one-way delay: 54.653 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 57.08 Mbit/s
95th percentile per-packet one-way delay: 54.691 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 42.30 Mbit/s
95th percentile per-packet one-way delay: 46.334 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 14.11 Mbit/s
95th percentile per-packet one-way delay: 67.526 ms
Loss rate: 0.74%

Run 3: Report of Vivace-LTE — Data Link

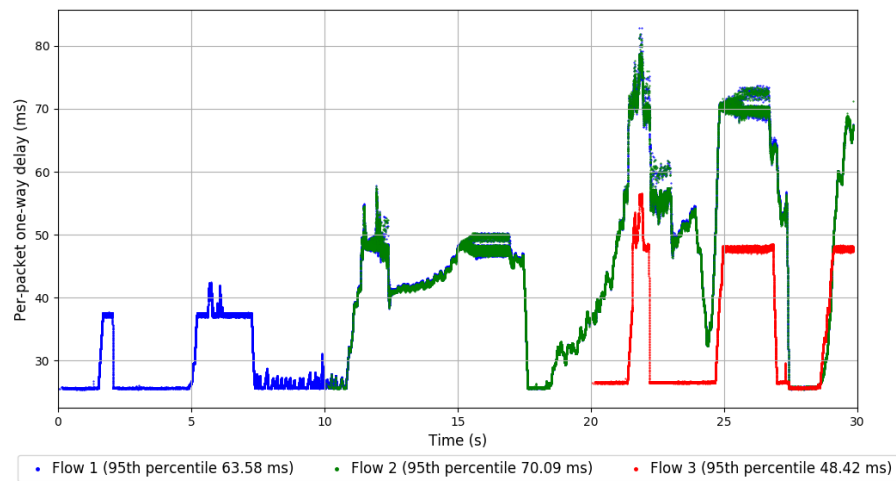
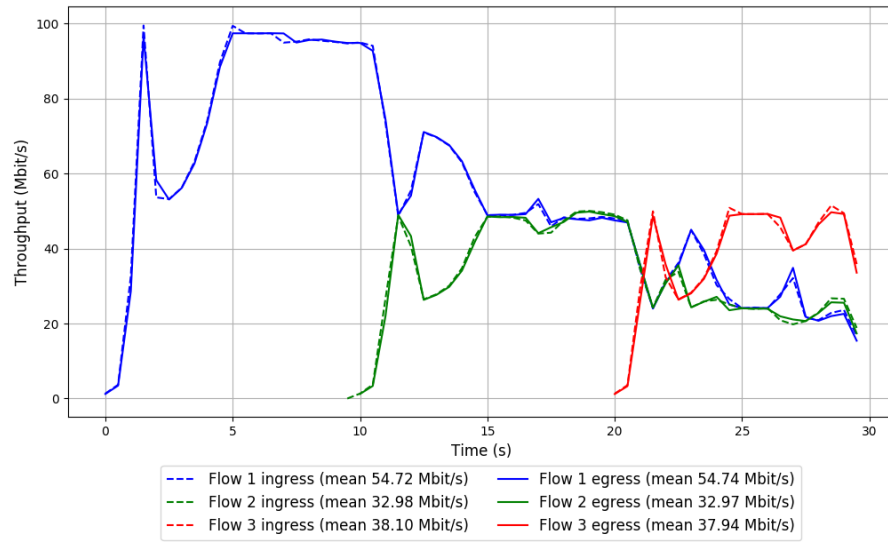


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-16 12:04:01
End at: 2018-02-16 12:04:31
Local clock offset: 0.155 ms
Remote clock offset: -3.048 ms

Below is generated by plot.py at 2018-02-16 19:37:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.12 Mbit/s
95th percentile per-packet one-way delay: 68.157 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 54.74 Mbit/s
95th percentile per-packet one-way delay: 63.583 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 32.97 Mbit/s
95th percentile per-packet one-way delay: 70.089 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 48.421 ms
Loss rate: 0.97%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-02-16 12:28:35

End at: 2018-02-16 12:29:05

Local clock offset: 0.334 ms

Remote clock offset: 1.013 ms

Below is generated by plot.py at 2018-02-16 19:37:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.99 Mbit/s

95th percentile per-packet one-way delay: 66.132 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 54.60 Mbit/s

95th percentile per-packet one-way delay: 64.373 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 33.35 Mbit/s

95th percentile per-packet one-way delay: 67.880 ms

Loss rate: 0.31%

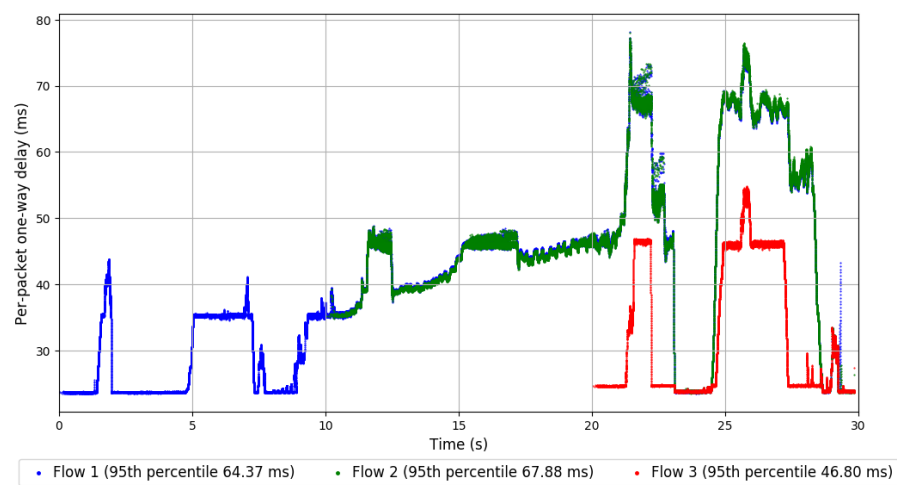
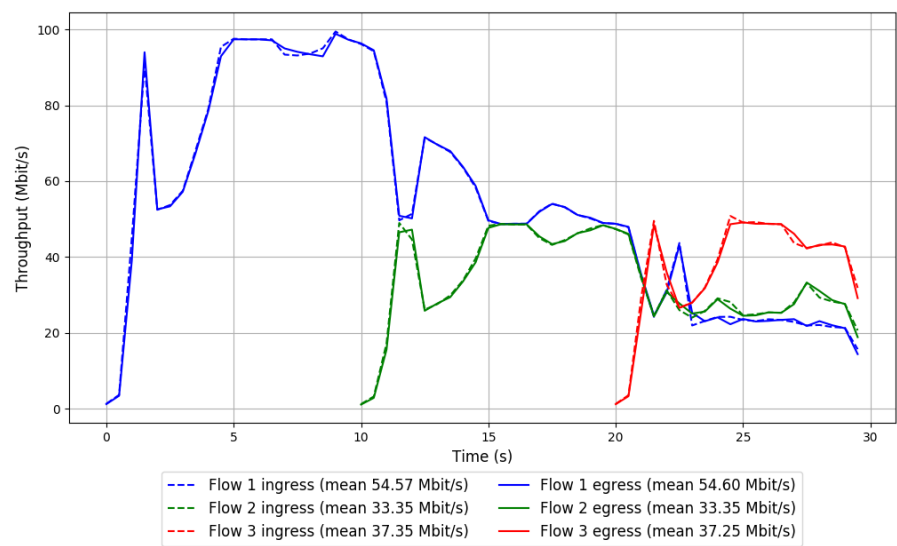
-- Flow 3:

Average throughput: 37.25 Mbit/s

95th percentile per-packet one-way delay: 46.799 ms

Loss rate: 0.79%

Run 5: Report of Vivace-LTE — Data Link

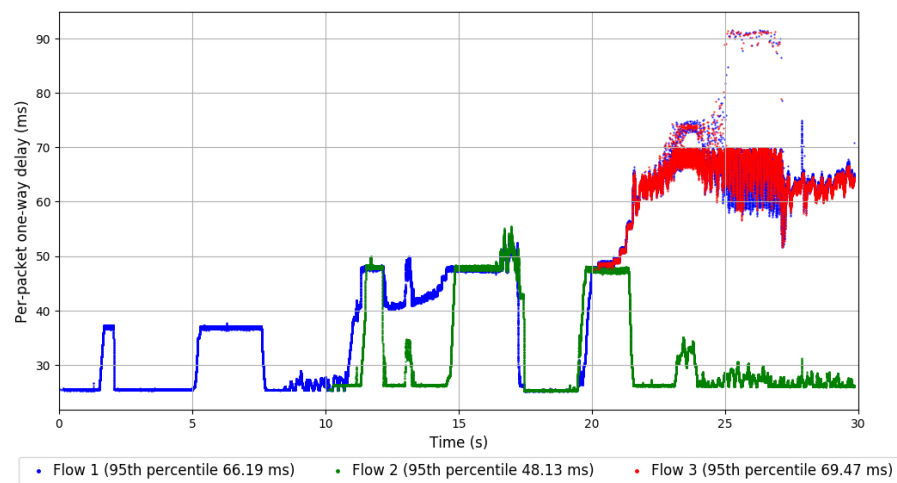
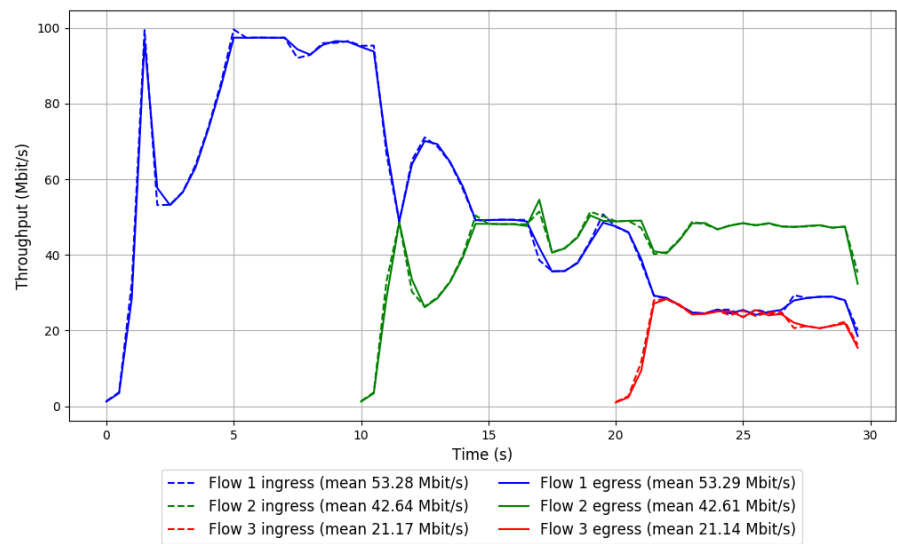


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-16 12:53:24
End at: 2018-02-16 12:53:54
Local clock offset: 0.04 ms
Remote clock offset: -0.935 ms

Below is generated by plot.py at 2018-02-16 19:37:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.53 Mbit/s
95th percentile per-packet one-way delay: 67.124 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 53.29 Mbit/s
95th percentile per-packet one-way delay: 66.192 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 42.61 Mbit/s
95th percentile per-packet one-way delay: 48.127 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 21.14 Mbit/s
95th percentile per-packet one-way delay: 69.471 ms
Loss rate: 0.92%

Run 6: Report of Vivace-LTE — Data Link

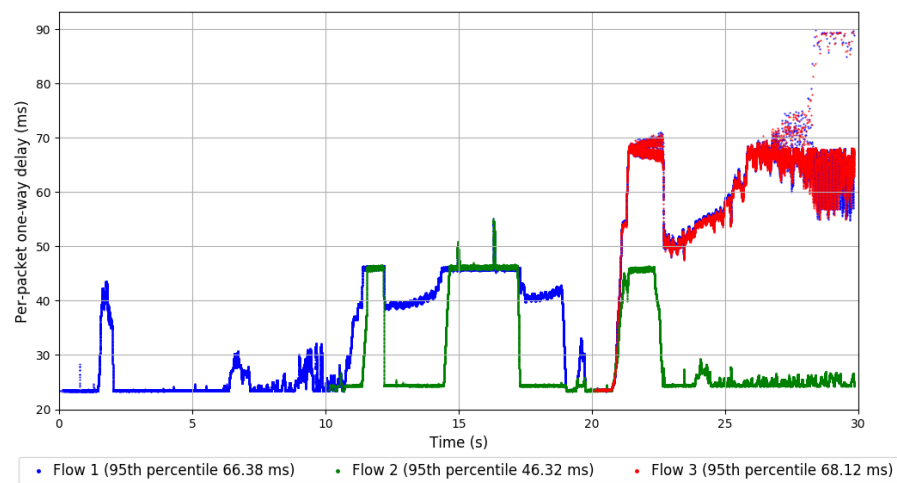
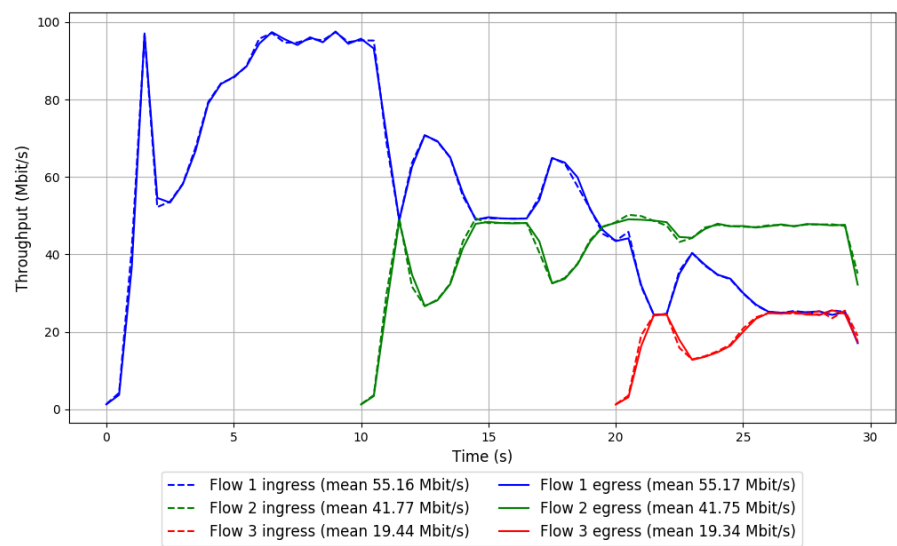


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-16 13:18:01
End at: 2018-02-16 13:18:31
Local clock offset: -0.011 ms
Remote clock offset: -5.949 ms

Below is generated by plot.py at 2018-02-16 19:37:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.26 Mbit/s
95th percentile per-packet one-way delay: 66.914 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 55.17 Mbit/s
95th percentile per-packet one-way delay: 66.377 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 41.75 Mbit/s
95th percentile per-packet one-way delay: 46.316 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 19.34 Mbit/s
95th percentile per-packet one-way delay: 68.121 ms
Loss rate: 1.20%

Run 7: Report of Vivace-LTE — Data Link

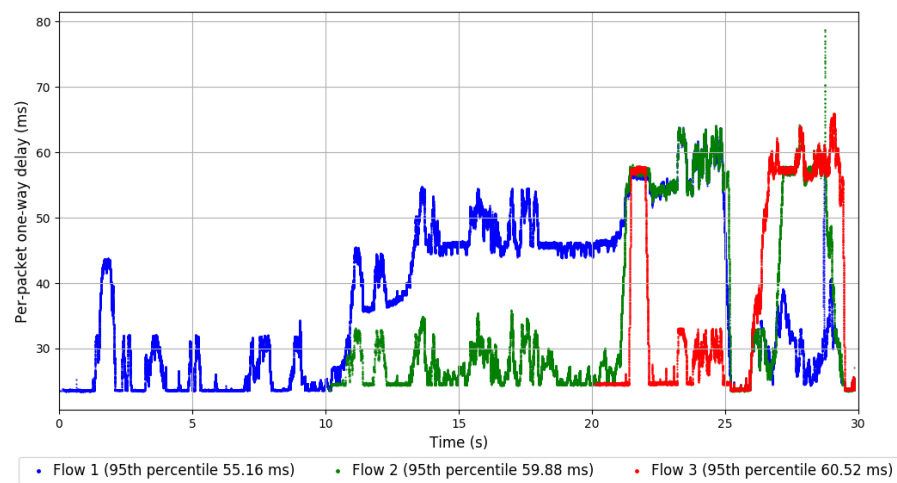
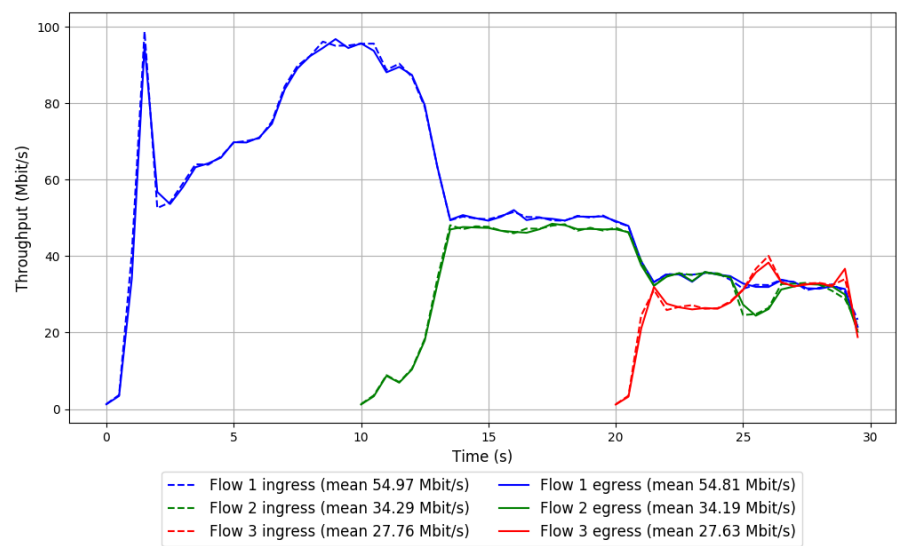


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-16 13:42:44
End at: 2018-02-16 13:43:14
Local clock offset: 0.011 ms
Remote clock offset: -5.749 ms

Below is generated by plot.py at 2018-02-16 19:38:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.61 Mbit/s
95th percentile per-packet one-way delay: 58.342 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 54.81 Mbit/s
95th percentile per-packet one-way delay: 55.161 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 34.19 Mbit/s
95th percentile per-packet one-way delay: 59.882 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 27.63 Mbit/s
95th percentile per-packet one-way delay: 60.517 ms
Loss rate: 0.99%

Run 8: Report of Vivace-LTE — Data Link

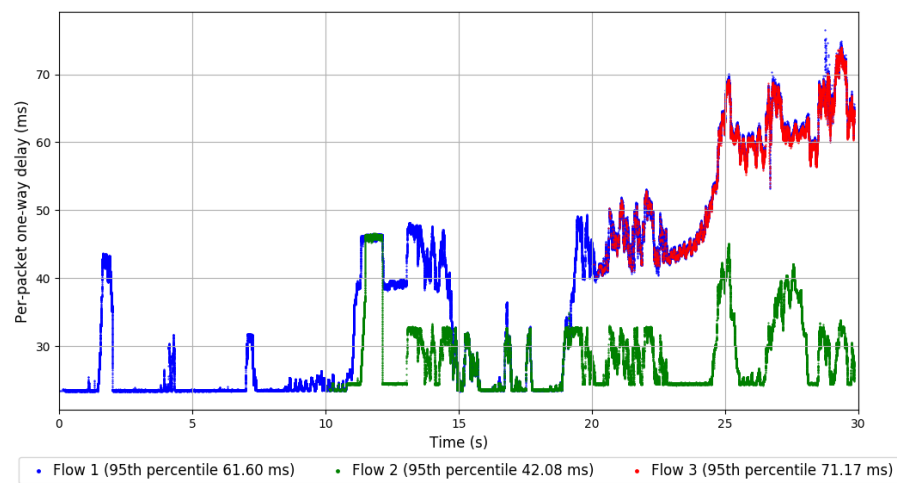
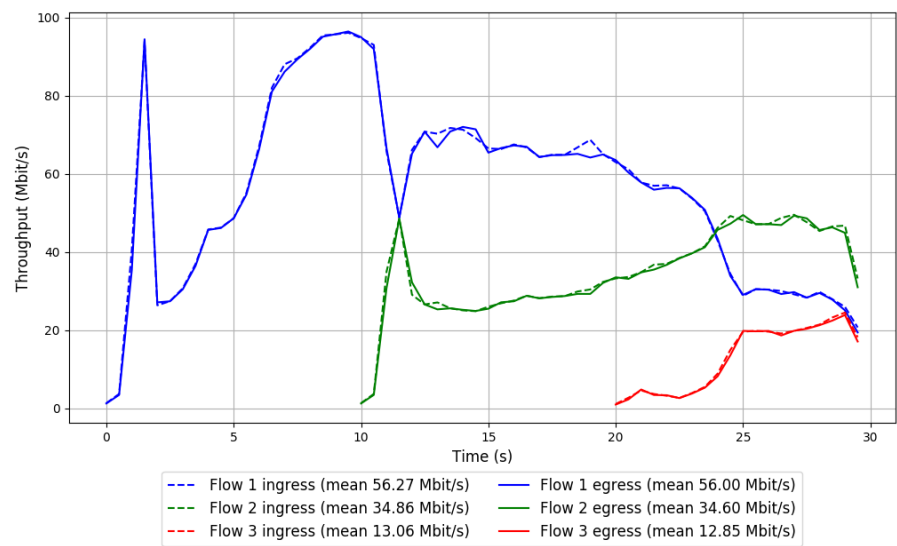


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-16 14:07:53
End at: 2018-02-16 14:08:23
Local clock offset: 0.294 ms
Remote clock offset: -5.945 ms

Below is generated by plot.py at 2018-02-16 19:38:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.21 Mbit/s
95th percentile per-packet one-way delay: 62.122 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 56.00 Mbit/s
95th percentile per-packet one-way delay: 61.603 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 34.60 Mbit/s
95th percentile per-packet one-way delay: 42.078 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 12.85 Mbit/s
95th percentile per-packet one-way delay: 71.168 ms
Loss rate: 2.33%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-16 14:33:24
End at: 2018-02-16 14:33:54
Local clock offset: 0.253 ms
Remote clock offset: -6.104 ms

Below is generated by plot.py at 2018-02-16 19:38:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.34 Mbit/s
95th percentile per-packet one-way delay: 62.177 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 33.92 Mbit/s
95th percentile per-packet one-way delay: 63.278 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 52.461 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 26.98 Mbit/s
95th percentile per-packet one-way delay: 61.484 ms
Loss rate: 1.89%

Run 10: Report of Vivace-LTE — Data Link

