

Pantheon Report

Generated at 2018-02-28 07:37:42 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

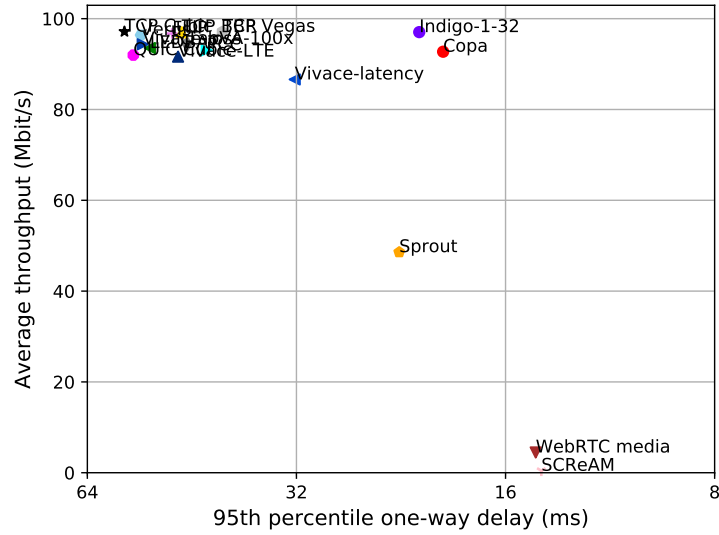
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

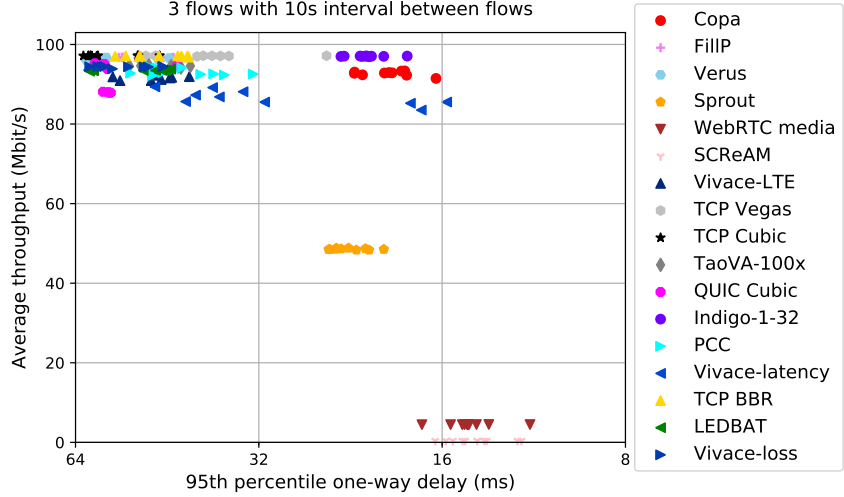
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



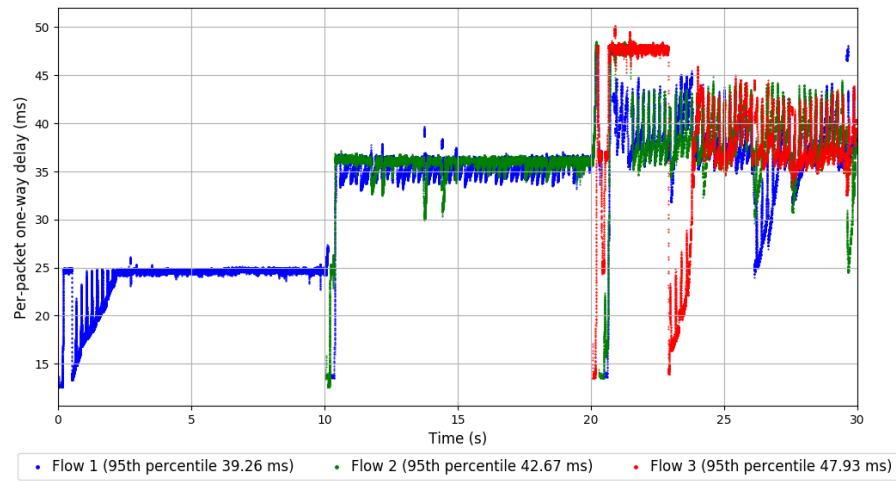
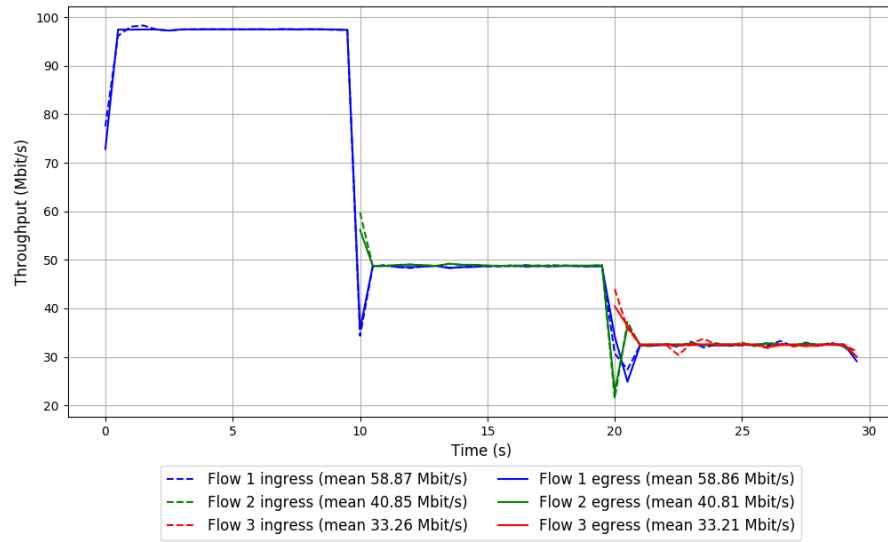
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	59.91	40.94	29.83	42.95	44.77	54.77	0.10	0.19	0.50
TCP Cubic	9	61.79	39.94	29.40	46.39	54.15	54.30	0.13	0.46	1.41
LEDBAT	10	58.36	38.68	29.34	48.77	50.57	49.24	0.11	0.30	0.90
PCC	10	61.75	34.61	25.21	42.52	40.13	33.65	0.08	0.20	0.31
QUIC Cubic	10	54.92	38.99	33.93	48.53	52.95	46.62	0.11	0.22	0.61
SCReAM	10	0.21	0.21	0.22	14.21	14.20	14.20	0.13	0.00	0.14
WebRTC media	10	2.35	1.47	0.66	14.44	14.47	14.63	0.11	0.17	0.26
Sprout	10	24.49	24.31	24.03	22.07	22.99	23.46	0.09	0.13	0.28
TaoVA-100x	10	57.26	41.55	28.77	43.96	40.61	46.40	0.09	0.21	0.55
TCP Vegas	10	60.80	39.06	37.50	35.21	34.11	38.56	0.07	0.08	0.60
Verus	10	58.18	42.69	29.75	52.59	45.17	51.96	0.09	0.24	0.67
Copa	10	56.37	39.09	31.23	18.91	20.19	22.14	0.05	0.10	0.29
FillP	10	59.41	43.38	28.55	45.68	43.08	50.18	0.11	1.07	2.89
Indigo-1-32	10	58.66	37.25	41.77	20.21	21.49	20.68	0.05	0.10	0.31
Vivace-latency	10	58.28	33.32	18.81	27.11	30.82	30.19	0.07	0.14	0.35
Vivace-loss	10	58.10	40.35	33.12	50.45	49.50	45.32	0.10	0.23	0.72
Vivace-LTE	10	58.08	38.91	23.44	40.77	47.47	47.96	0.07	0.15	0.42

Run 1: Statistics of TCP BBR

Start at: 2018-02-28 00:12:09
End at: 2018-02-28 00:12:39
Local clock offset: 2.525 ms
Remote clock offset: -2.752 ms

Below is generated by plot.py at 2018-02-28 07:10:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.02 Mbit/s
95th percentile per-packet one-way delay: 42.897 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.86 Mbit/s
95th percentile per-packet one-way delay: 39.262 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.81 Mbit/s
95th percentile per-packet one-way delay: 42.671 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 33.21 Mbit/s
95th percentile per-packet one-way delay: 47.930 ms
Loss rate: 0.53%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-02-28 00:33:15

End at: 2018-02-28 00:33:45

Local clock offset: 6.129 ms

Remote clock offset: 0.803 ms

Below is generated by plot.py at 2018-02-28 07:10:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.13 Mbit/s

95th percentile per-packet one-way delay: 43.483 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 59.04 Mbit/s

95th percentile per-packet one-way delay: 40.416 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 40.85 Mbit/s

95th percentile per-packet one-way delay: 44.910 ms

Loss rate: 0.20%

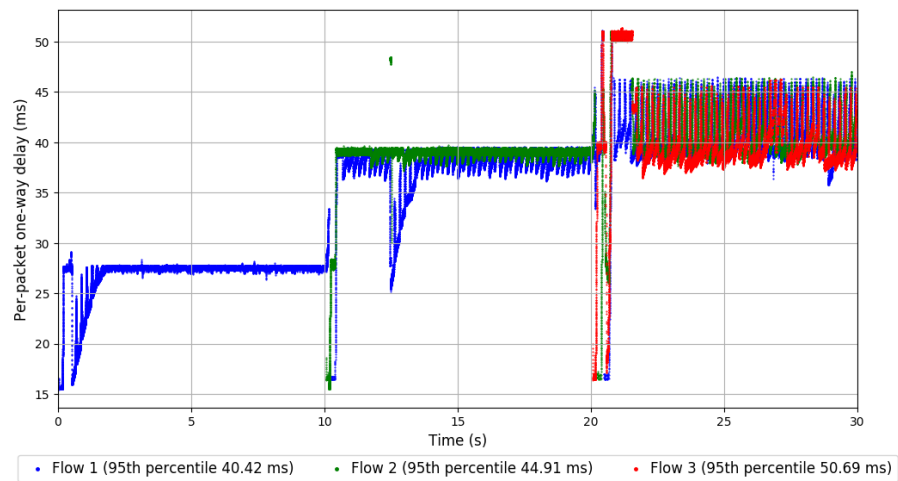
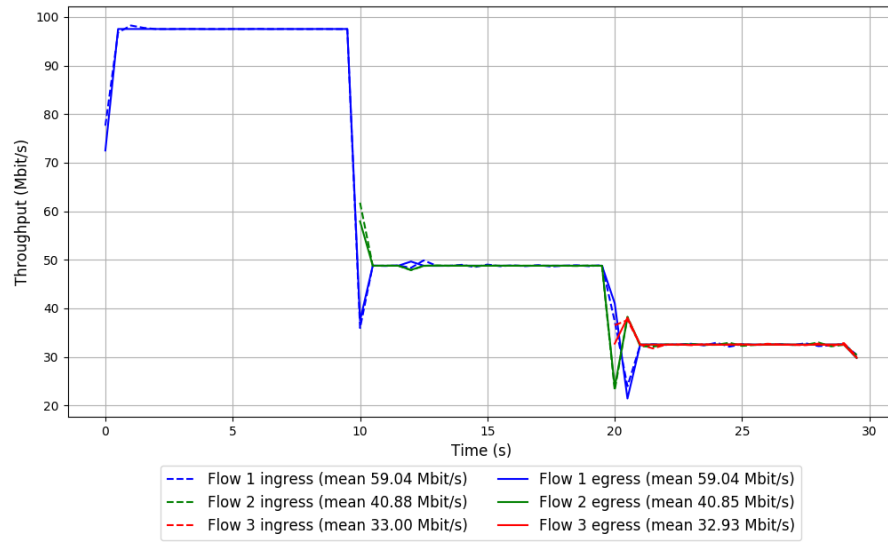
-- Flow 3:

Average throughput: 32.93 Mbit/s

95th percentile per-packet one-way delay: 50.692 ms

Loss rate: 0.47%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-02-28 00:54:14

End at: 2018-02-28 00:54:44

Local clock offset: 4.694 ms

Remote clock offset: 1.051 ms

Below is generated by plot.py at 2018-02-28 07:10:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 46.657 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 64.06 Mbit/s

95th percentile per-packet one-way delay: 38.195 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 34.76 Mbit/s

95th percentile per-packet one-way delay: 53.550 ms

Loss rate: 0.14%

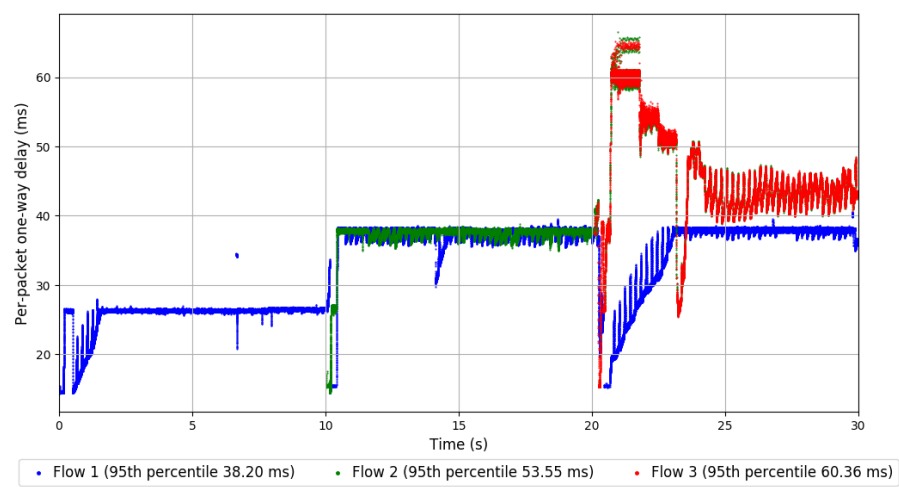
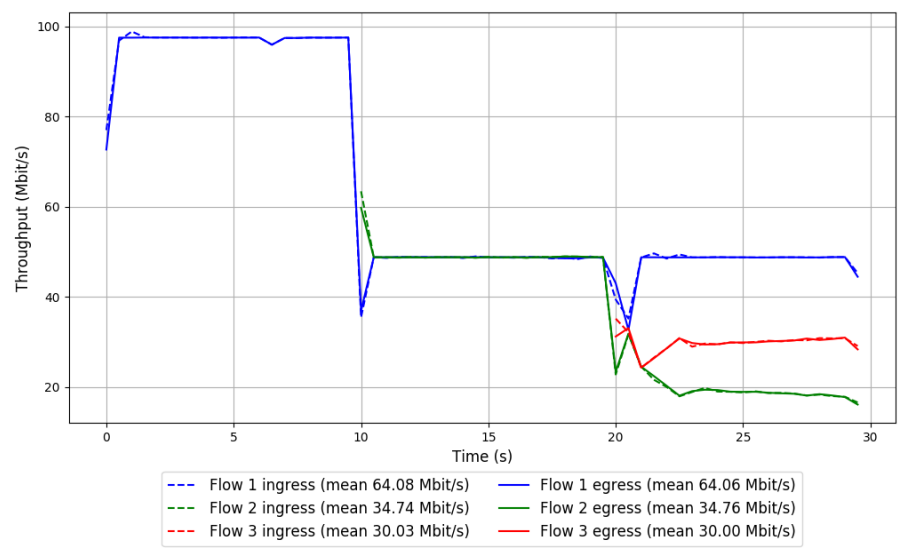
-- Flow 3:

Average throughput: 30.00 Mbit/s

95th percentile per-packet one-way delay: 60.363 ms

Loss rate: 0.58%

Run 3: Report of TCP BBR — Data Link

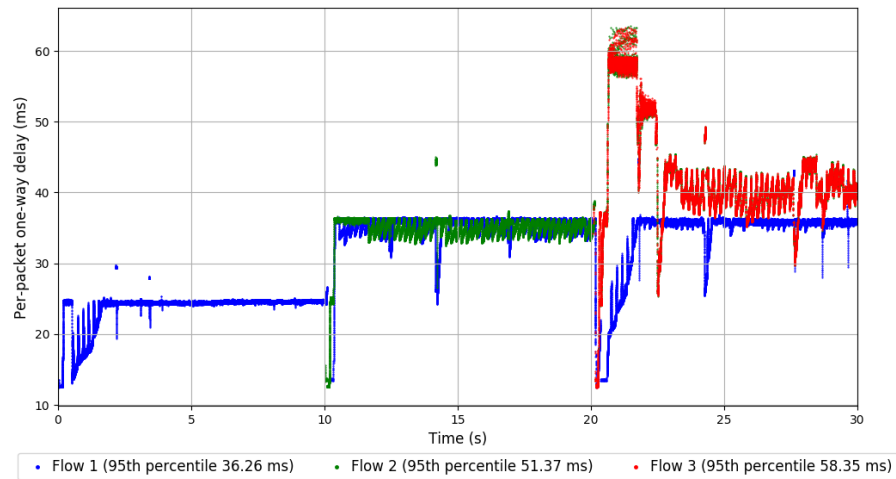
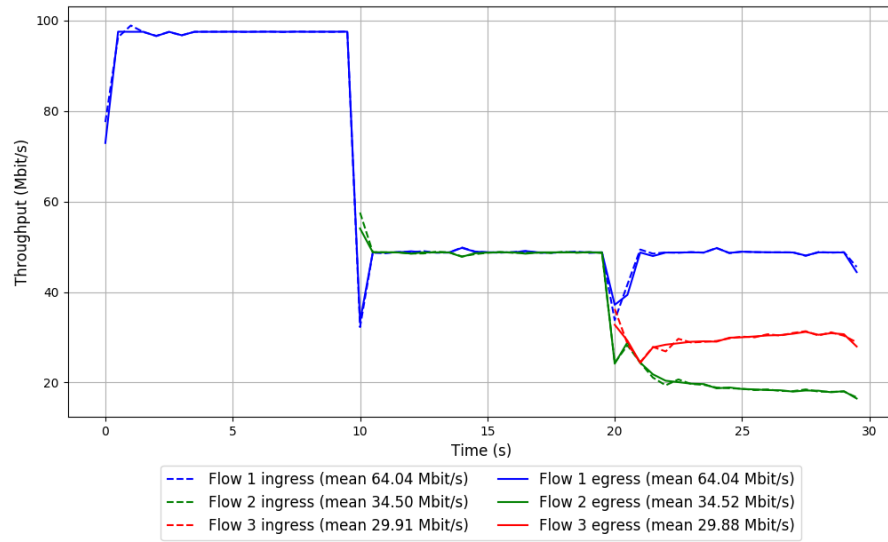


Run 4: Statistics of TCP BBR

Start at: 2018-02-28 01:15:26
End at: 2018-02-28 01:15:56
Local clock offset: 3.724 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-02-28 07:10:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 42.811 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 64.04 Mbit/s
95th percentile per-packet one-way delay: 36.262 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 34.52 Mbit/s
95th percentile per-packet one-way delay: 51.367 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 29.88 Mbit/s
95th percentile per-packet one-way delay: 58.347 ms
Loss rate: 0.55%

Run 4: Report of TCP BBR — Data Link

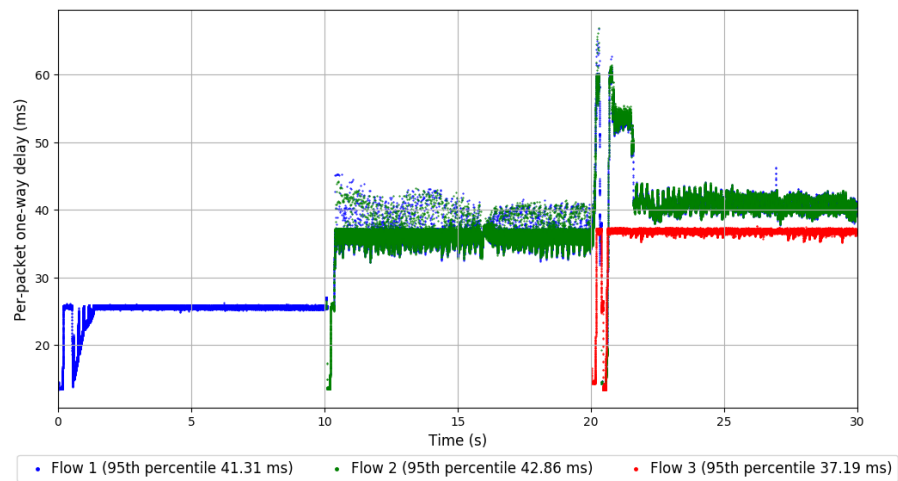
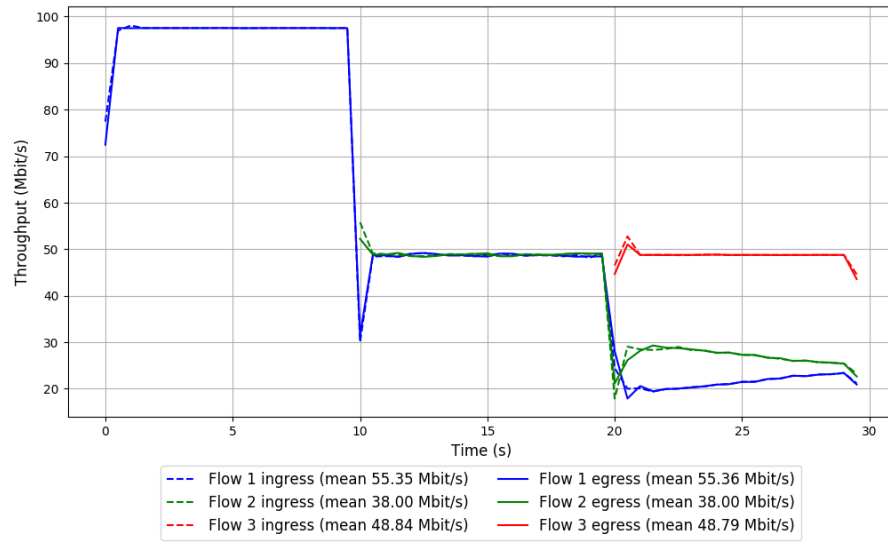


Run 5: Statistics of TCP BBR

Start at: 2018-02-28 01:36:24
End at: 2018-02-28 01:36:54
Local clock offset: 4.592 ms
Remote clock offset: -3.019 ms

Below is generated by plot.py at 2018-02-28 07:10:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 41.732 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 55.36 Mbit/s
95th percentile per-packet one-way delay: 41.310 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.00 Mbit/s
95th percentile per-packet one-way delay: 42.857 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 48.79 Mbit/s
95th percentile per-packet one-way delay: 37.190 ms
Loss rate: 0.48%

Run 5: Report of TCP BBR — Data Link

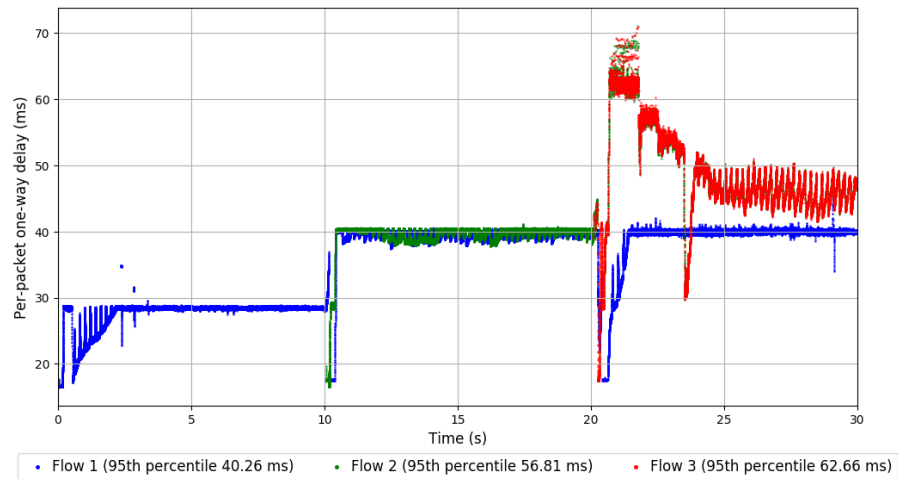
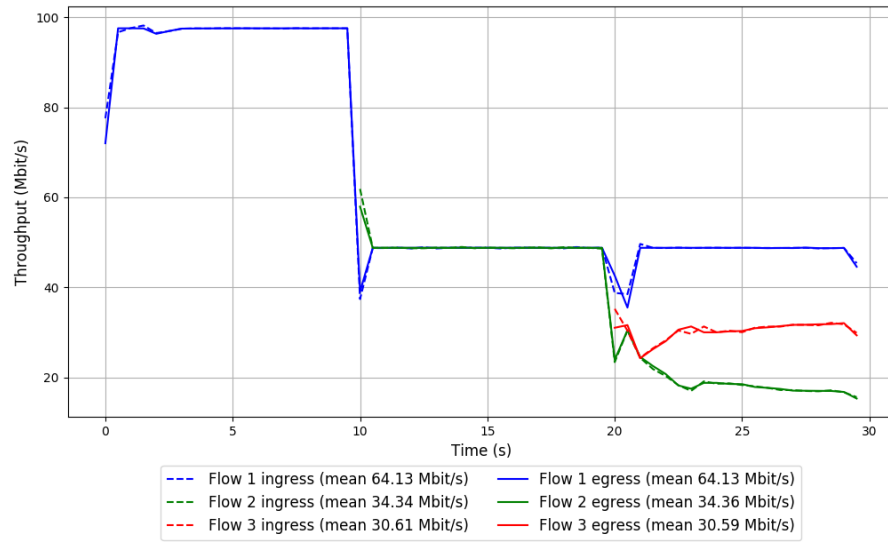


Run 6: Statistics of TCP BBR

Start at: 2018-02-28 01:57:37
End at: 2018-02-28 01:58:07
Local clock offset: 6.076 ms
Remote clock offset: -7.011 ms

Below is generated by plot.py at 2018-02-28 07:10:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 50.149 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 64.13 Mbit/s
95th percentile per-packet one-way delay: 40.255 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 34.36 Mbit/s
95th percentile per-packet one-way delay: 56.808 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 62.655 ms
Loss rate: 0.54%

Run 6: Report of TCP BBR — Data Link

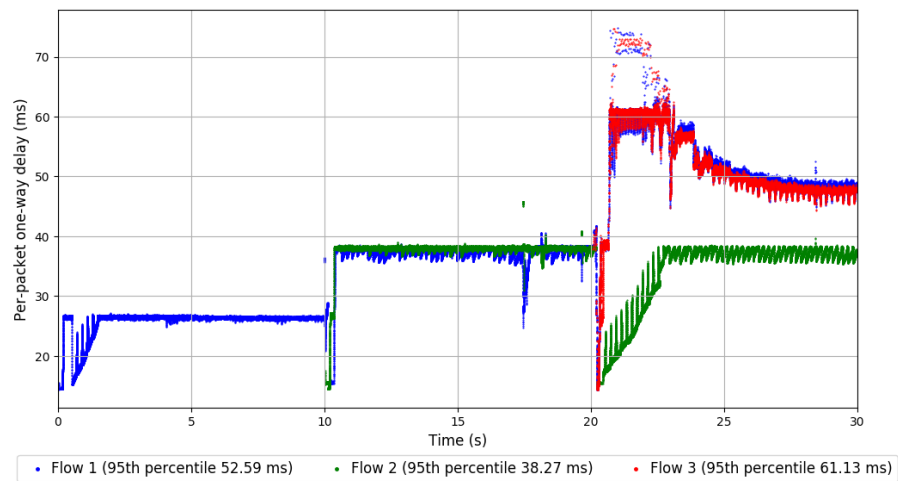
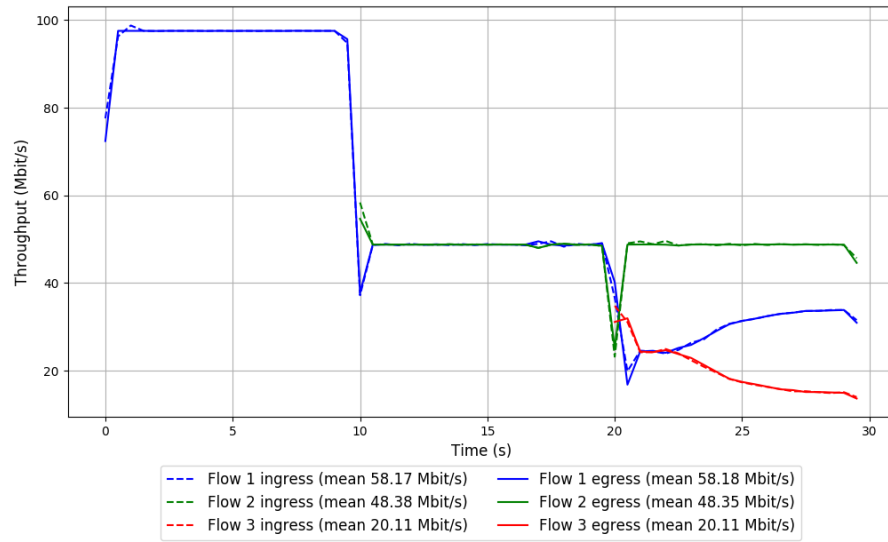


Run 7: Statistics of TCP BBR

Start at: 2018-02-28 02:18:52
End at: 2018-02-28 02:19:22
Local clock offset: 4.265 ms
Remote clock offset: -7.943 ms

Below is generated by plot.py at 2018-02-28 07:10:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.02 Mbit/s
95th percentile per-packet one-way delay: 55.102 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.18 Mbit/s
95th percentile per-packet one-way delay: 52.587 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 48.35 Mbit/s
95th percentile per-packet one-way delay: 38.269 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 20.11 Mbit/s
95th percentile per-packet one-way delay: 61.134 ms
Loss rate: 0.44%

Run 7: Report of TCP BBR — Data Link

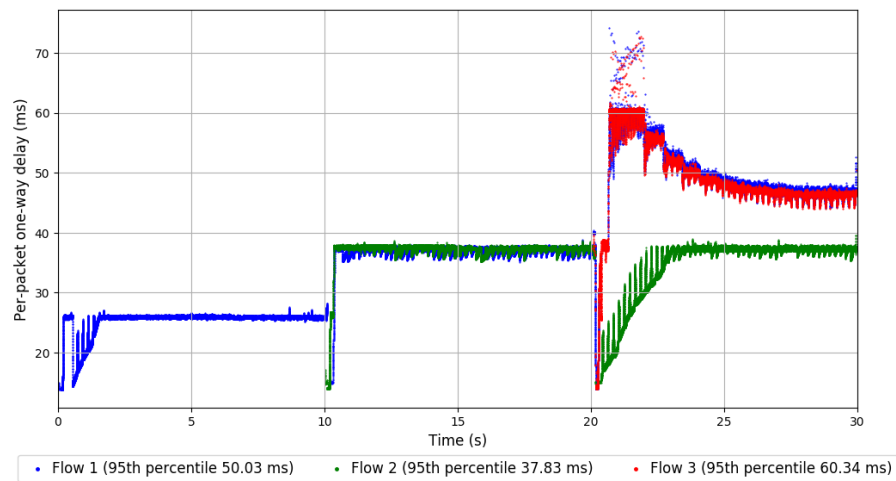
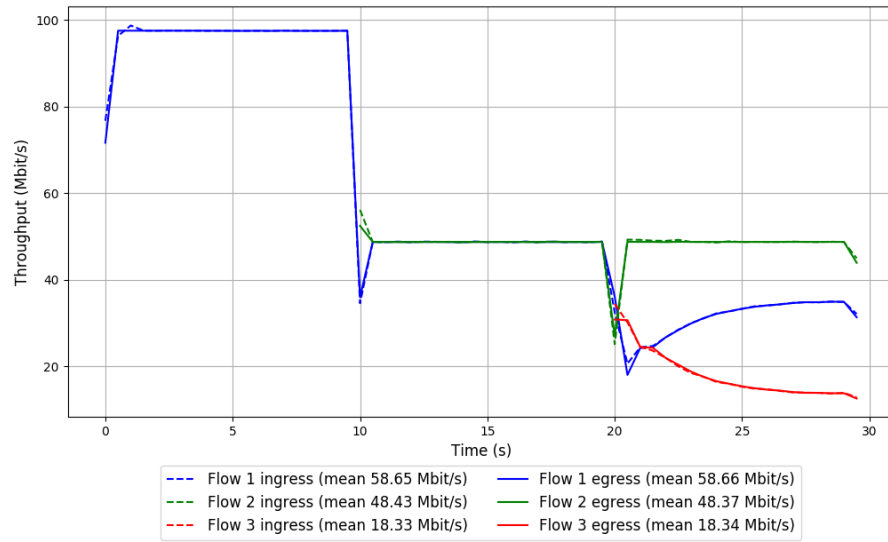


Run 8: Statistics of TCP BBR

Start at: 2018-02-28 02:40:46
End at: 2018-02-28 02:41:16
Local clock offset: 3.175 ms
Remote clock offset: -8.488 ms

Below is generated by plot.py at 2018-02-28 07:10:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 50.345 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.66 Mbit/s
95th percentile per-packet one-way delay: 50.030 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 48.37 Mbit/s
95th percentile per-packet one-way delay: 37.831 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 18.34 Mbit/s
95th percentile per-packet one-way delay: 60.345 ms
Loss rate: 0.45%

Run 8: Report of TCP BBR — Data Link

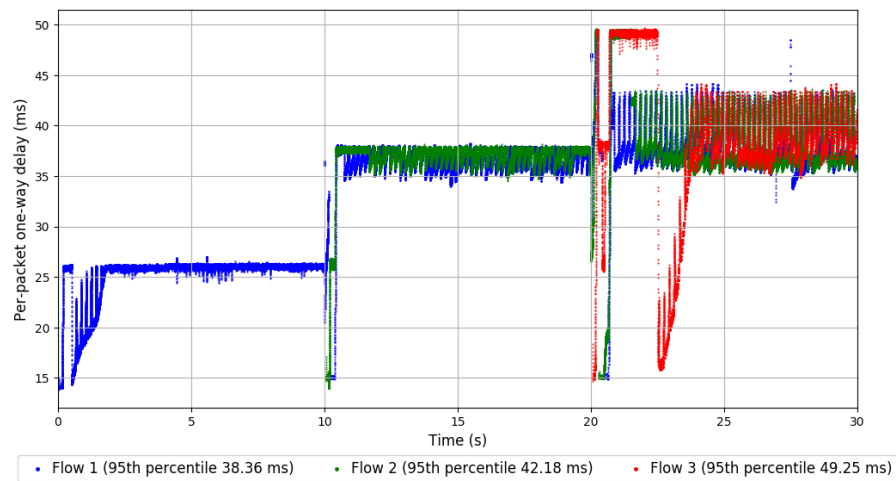
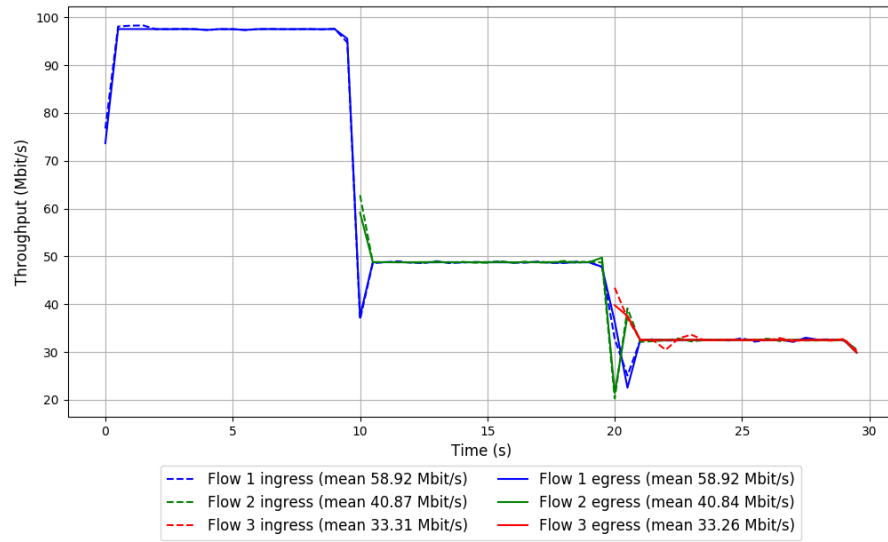


Run 9: Statistics of TCP BBR

Start at: 2018-02-28 03:01:49
End at: 2018-02-28 03:02:19
Local clock offset: 4.187 ms
Remote clock offset: -6.154 ms

Below is generated by plot.py at 2018-02-28 07:11:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 41.912 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 58.92 Mbit/s
95th percentile per-packet one-way delay: 38.359 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.84 Mbit/s
95th percentile per-packet one-way delay: 42.176 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 33.26 Mbit/s
95th percentile per-packet one-way delay: 49.250 ms
Loss rate: 0.45%

Run 9: Report of TCP BBR — Data Link

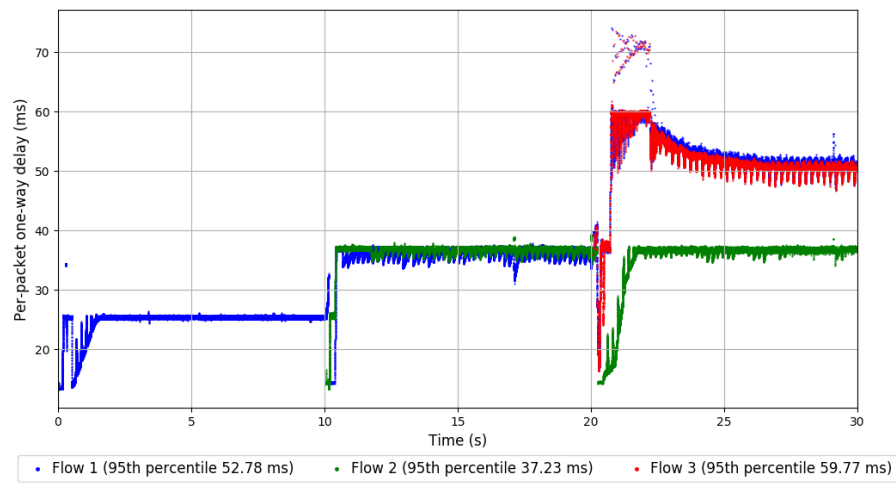
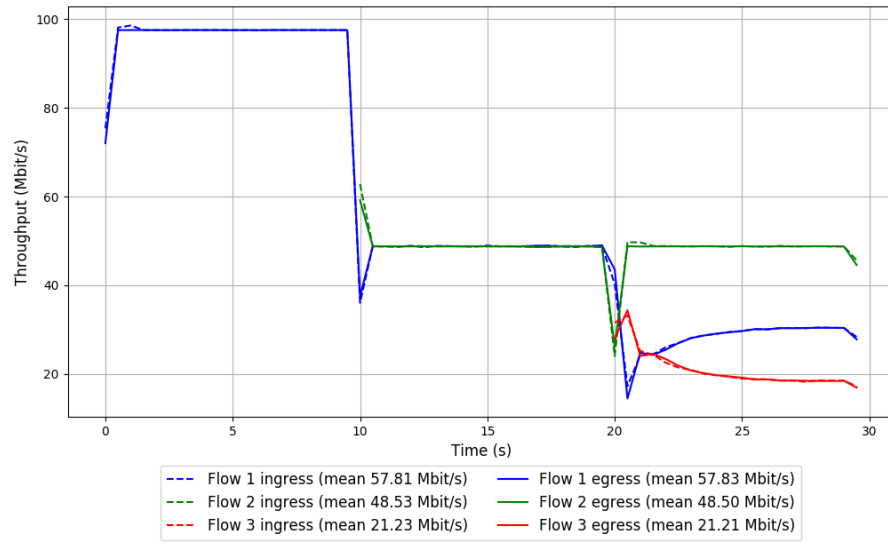


Run 10: Statistics of TCP BBR

Start at: 2018-02-28 03:23:07
End at: 2018-02-28 03:23:37
Local clock offset: 3.097 ms
Remote clock offset: -1.863 ms

Below is generated by plot.py at 2018-02-28 07:11:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 52.939 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.83 Mbit/s
95th percentile per-packet one-way delay: 52.778 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.50 Mbit/s
95th percentile per-packet one-way delay: 37.230 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 21.21 Mbit/s
95th percentile per-packet one-way delay: 59.775 ms
Loss rate: 0.54%

Run 10: Report of TCP BBR — Data Link

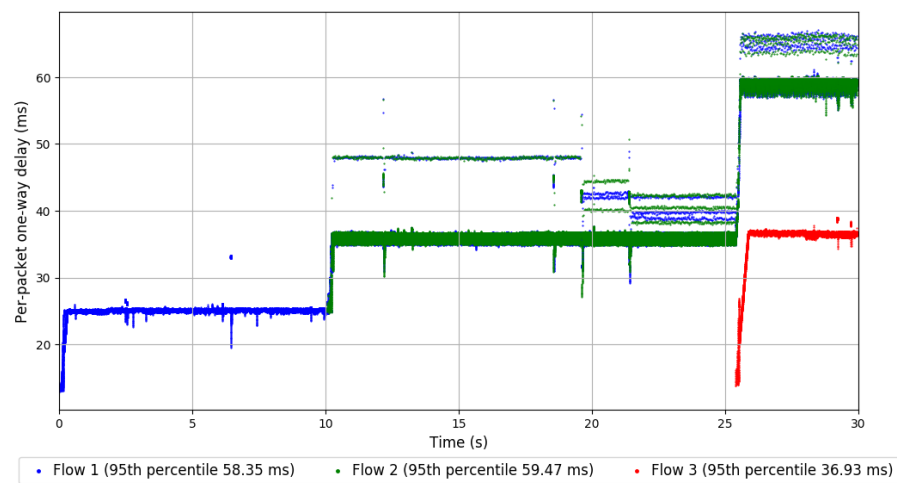
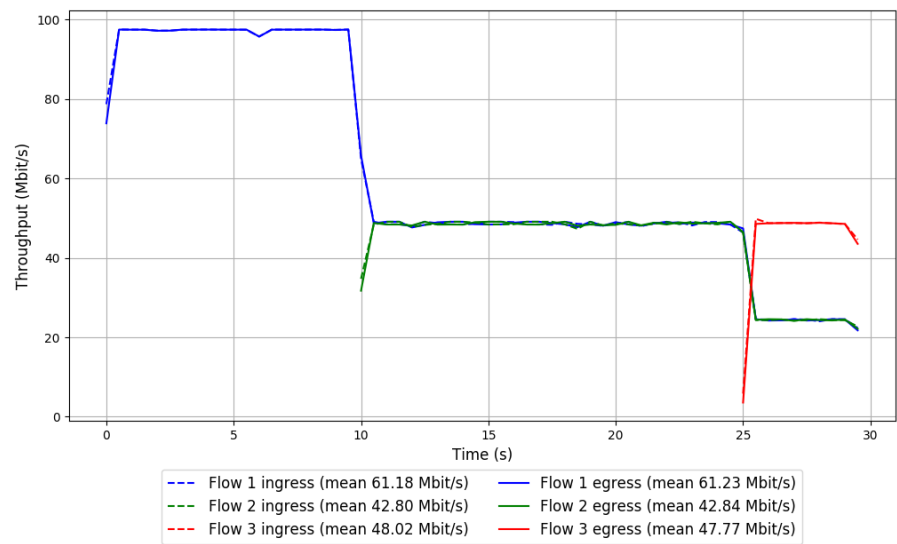


Run 1: Statistics of TCP Cubic

Start at: 2018-02-28 00:10:59
End at: 2018-02-28 00:11:29
Local clock offset: 4.03 ms
Remote clock offset: -1.632 ms

Below is generated by plot.py at 2018-02-28 07:11:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 59.104 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 61.23 Mbit/s
95th percentile per-packet one-way delay: 58.354 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 42.84 Mbit/s
95th percentile per-packet one-way delay: 59.465 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 47.77 Mbit/s
95th percentile per-packet one-way delay: 36.931 ms
Loss rate: 1.05%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-02-28 00:32:06

End at: 2018-02-28 00:32:36

Local clock offset: 3.903 ms

Remote clock offset: 0.23 ms

Run 2: Report of TCP Cubic — Data Link

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Run 3: Statistics of TCP Cubic

Start at: 2018-02-28 00:53:04

End at: 2018-02-28 00:53:34

Local clock offset: 5.097 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2018-02-28 07:11:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.14 Mbit/s

95th percentile per-packet one-way delay: 62.113 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 64.84 Mbit/s

95th percentile per-packet one-way delay: 39.466 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 36.62 Mbit/s

95th percentile per-packet one-way delay: 62.216 ms

Loss rate: 0.73%

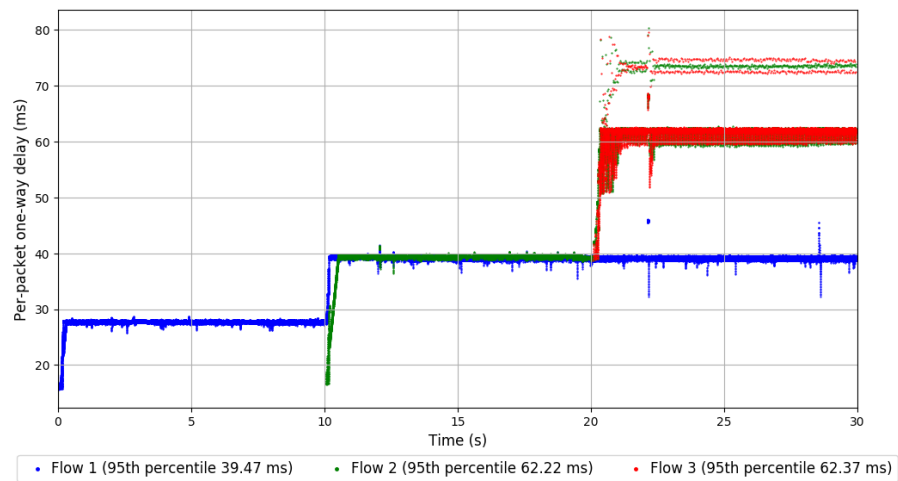
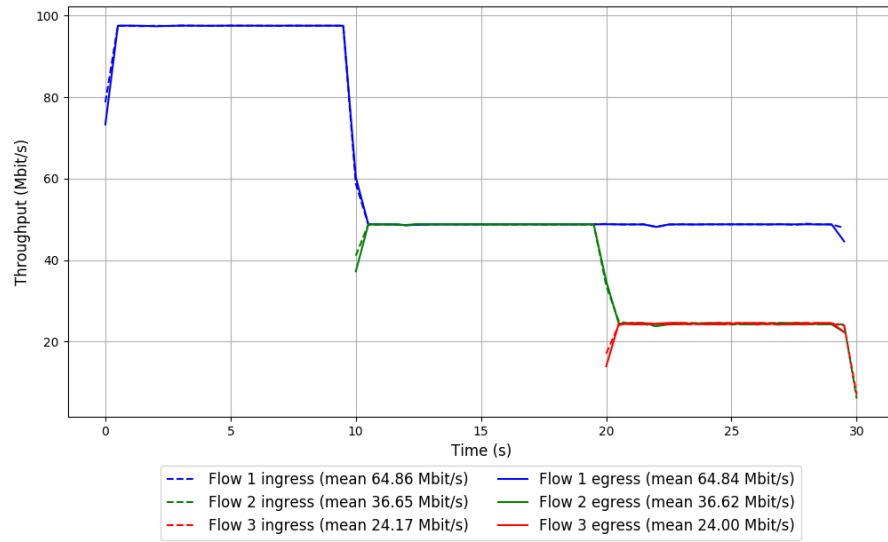
-- Flow 3:

Average throughput: 24.00 Mbit/s

95th percentile per-packet one-way delay: 62.366 ms

Loss rate: 2.40%

Run 3: Report of TCP Cubic — Data Link

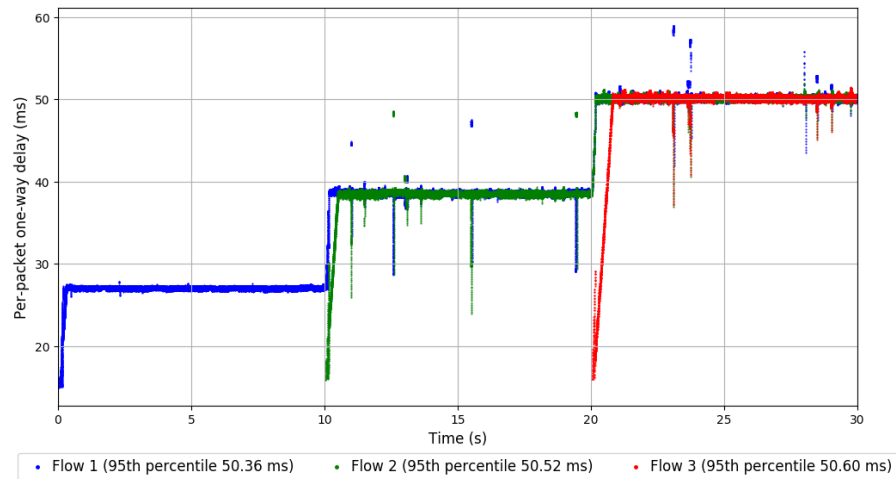
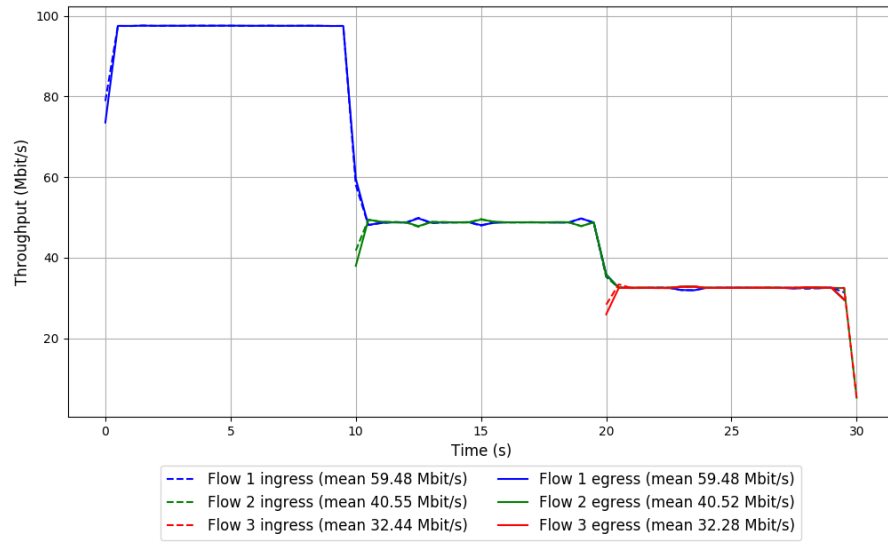


Run 4: Statistics of TCP Cubic

Start at: 2018-02-28 01:14:16
End at: 2018-02-28 01:14:46
Local clock offset: 5.908 ms
Remote clock offset: -0.394 ms

Below is generated by plot.py at 2018-02-28 07:11:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 50.497 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 59.48 Mbit/s
95th percentile per-packet one-way delay: 50.360 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 50.522 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 32.28 Mbit/s
95th percentile per-packet one-way delay: 50.599 ms
Loss rate: 1.73%

Run 4: Report of TCP Cubic — Data Link

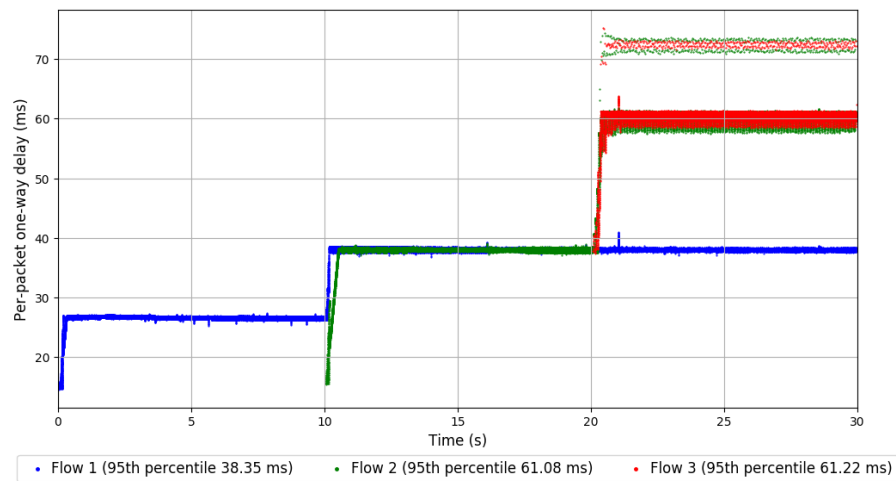
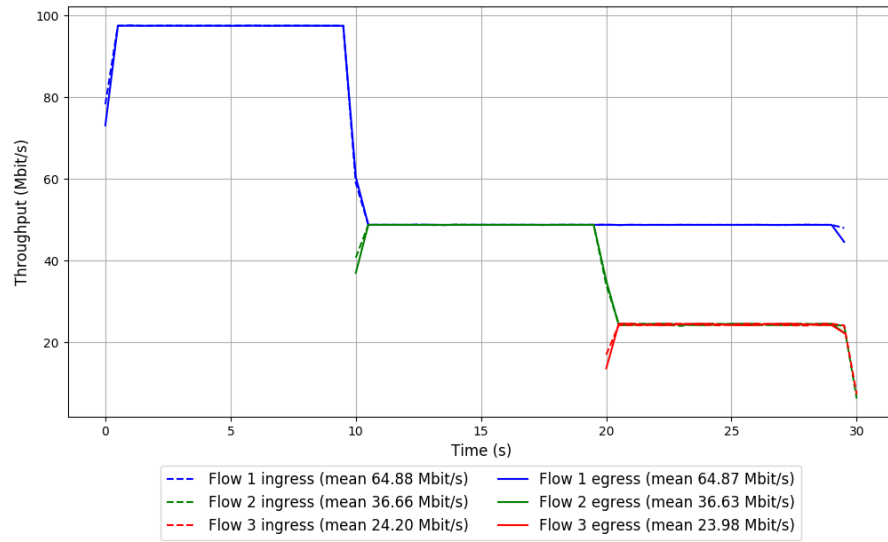


Run 5: Statistics of TCP Cubic

Start at: 2018-02-28 01:35:14
End at: 2018-02-28 01:35:44
Local clock offset: 4.699 ms
Remote clock offset: -3.719 ms

Below is generated by plot.py at 2018-02-28 07:11:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 60.974 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 64.87 Mbit/s
95th percentile per-packet one-way delay: 38.346 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 36.63 Mbit/s
95th percentile per-packet one-way delay: 61.079 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 61.216 ms
Loss rate: 2.51%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-02-28 01:56:27

End at: 2018-02-28 01:56:57

Local clock offset: 2.158 ms

Remote clock offset: -6.59 ms

Below is generated by plot.py at 2018-02-28 07:11:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.17 Mbit/s

95th percentile per-packet one-way delay: 58.810 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 56.94 Mbit/s

95th percentile per-packet one-way delay: 58.771 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 48.55 Mbit/s

95th percentile per-packet one-way delay: 35.982 ms

Loss rate: 0.82%

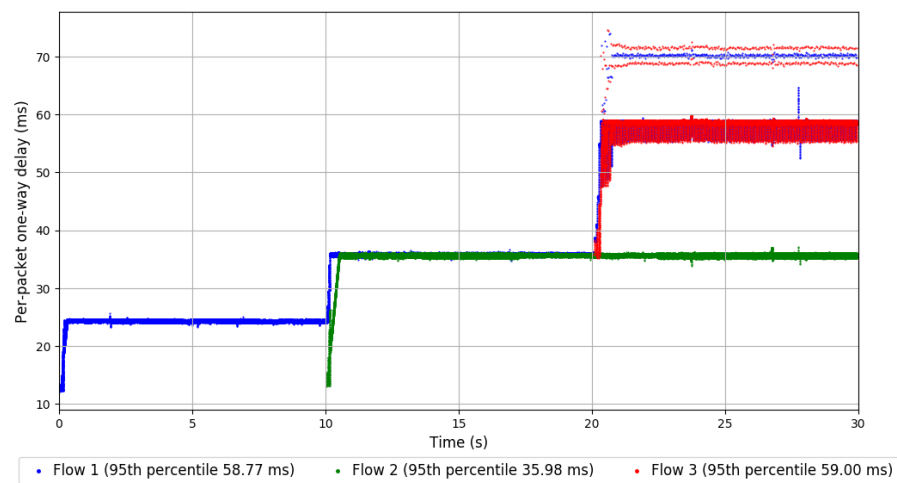
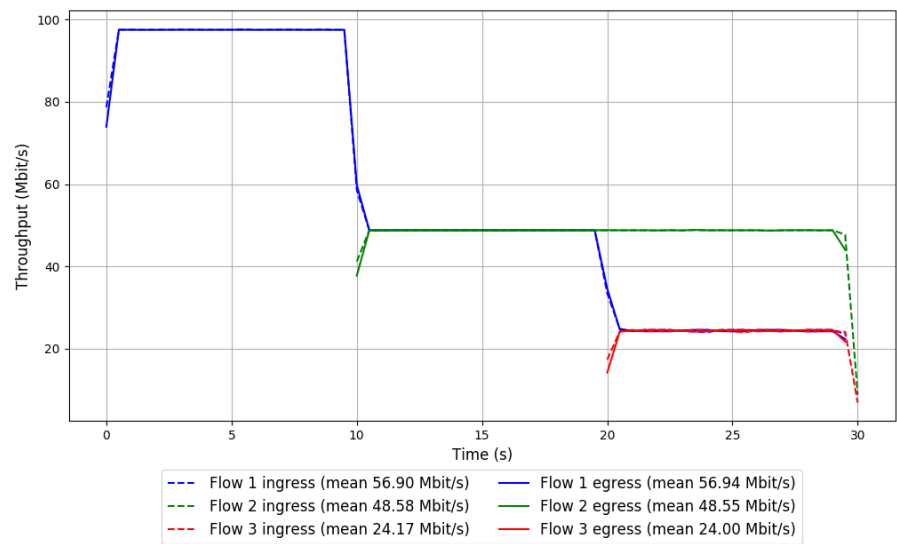
-- Flow 3:

Average throughput: 24.00 Mbit/s

95th percentile per-packet one-way delay: 59.000 ms

Loss rate: 2.37%

Run 6: Report of TCP Cubic — Data Link

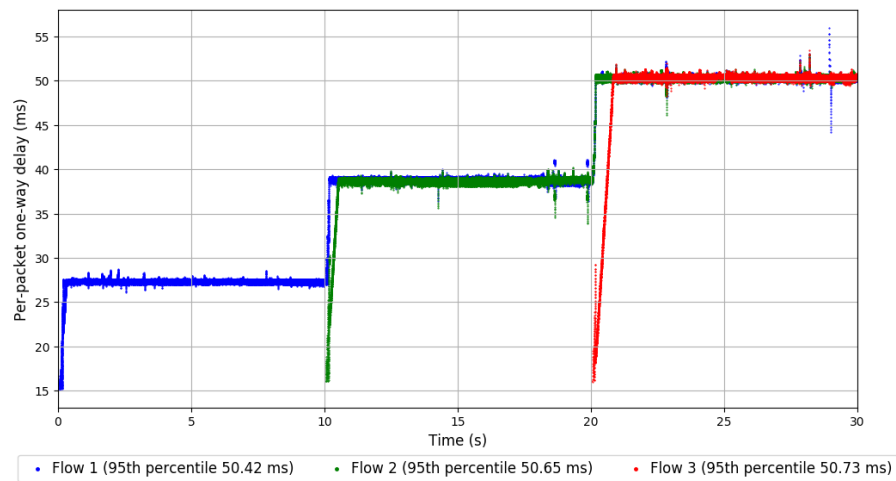
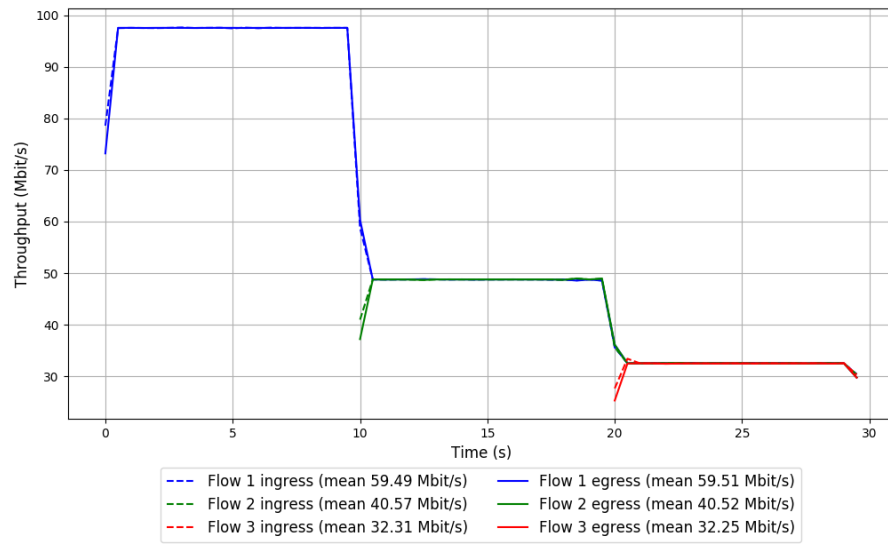


Run 7: Statistics of TCP Cubic

Start at: 2018-02-28 02:17:40
End at: 2018-02-28 02:18:10
Local clock offset: 4.987 ms
Remote clock offset: -7.934 ms

Below is generated by plot.py at 2018-02-28 07:11:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 50.597 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.51 Mbit/s
95th percentile per-packet one-way delay: 50.420 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 50.649 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 32.25 Mbit/s
95th percentile per-packet one-way delay: 50.727 ms
Loss rate: 0.60%

Run 7: Report of TCP Cubic — Data Link

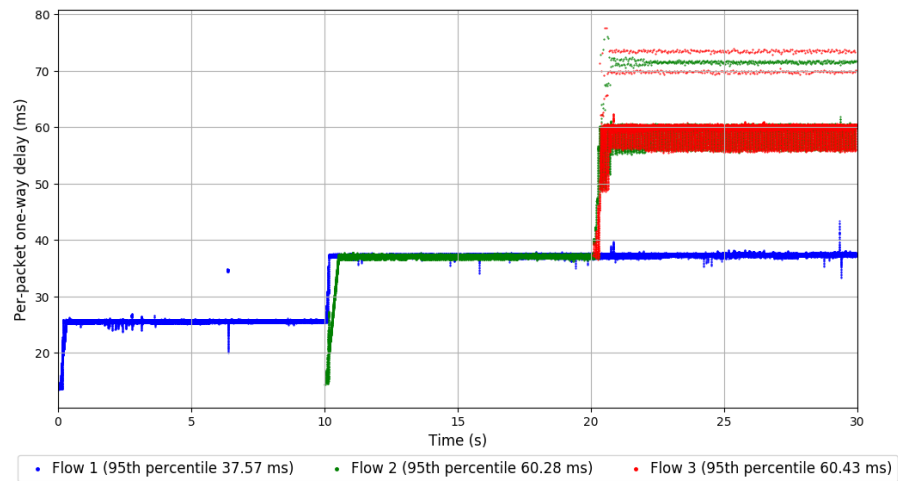
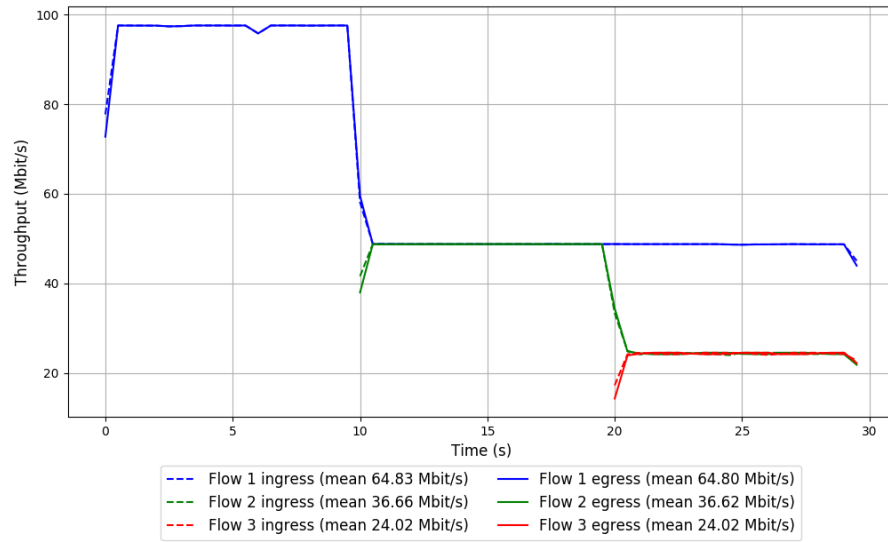


Run 8: Statistics of TCP Cubic

Start at: 2018-02-28 02:39:35
End at: 2018-02-28 02:40:05
Local clock offset: 2.531 ms
Remote clock offset: -9.332 ms

Below is generated by plot.py at 2018-02-28 07:13:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 60.164 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 64.80 Mbit/s
95th percentile per-packet one-way delay: 37.572 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 60.284 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 60.427 ms
Loss rate: 0.71%

Run 8: Report of TCP Cubic — Data Link

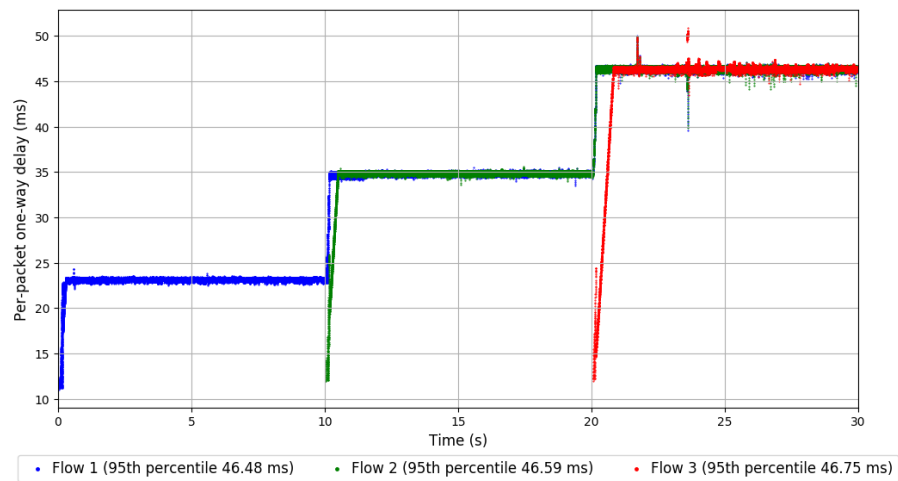
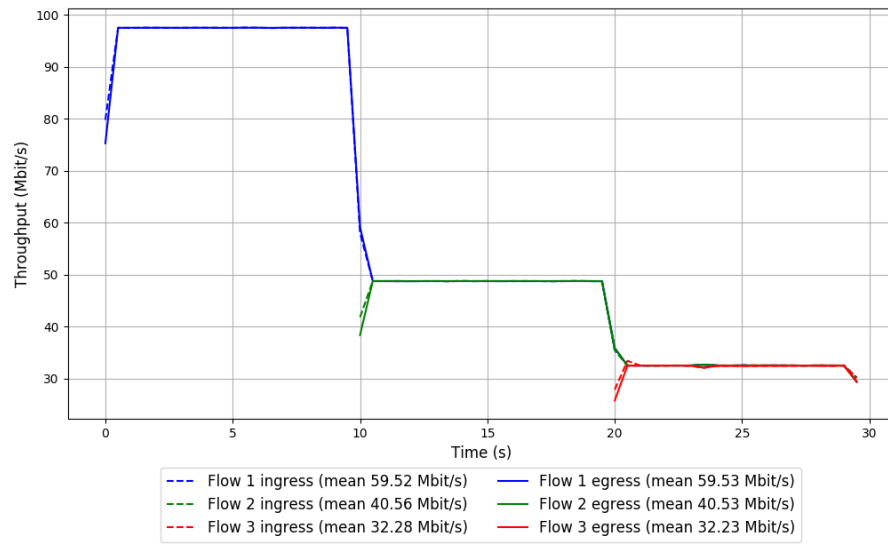


Run 9: Statistics of TCP Cubic

Start at: 2018-02-28 03:00:38
End at: 2018-02-28 03:01:08
Local clock offset: 2.093 ms
Remote clock offset: -5.507 ms

Below is generated by plot.py at 2018-02-28 07:13:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 46.567 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 59.53 Mbit/s
95th percentile per-packet one-way delay: 46.478 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.53 Mbit/s
95th percentile per-packet one-way delay: 46.590 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 46.746 ms
Loss rate: 0.59%

Run 9: Report of TCP Cubic — Data Link

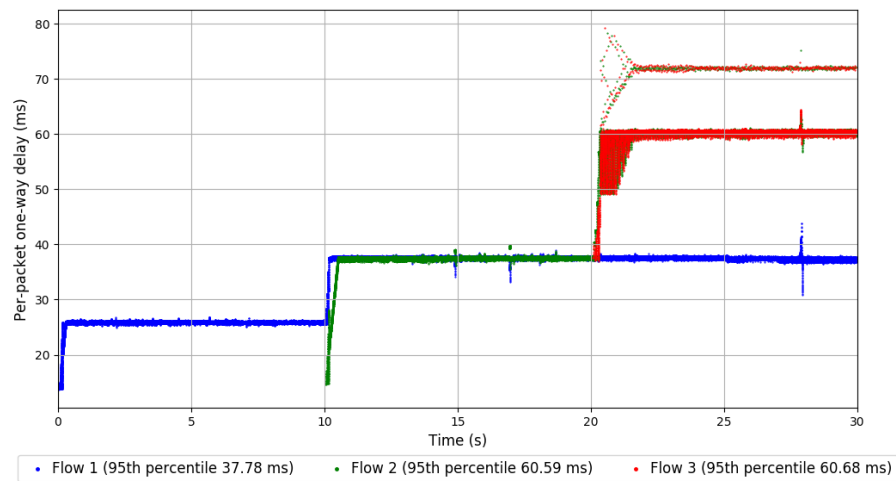
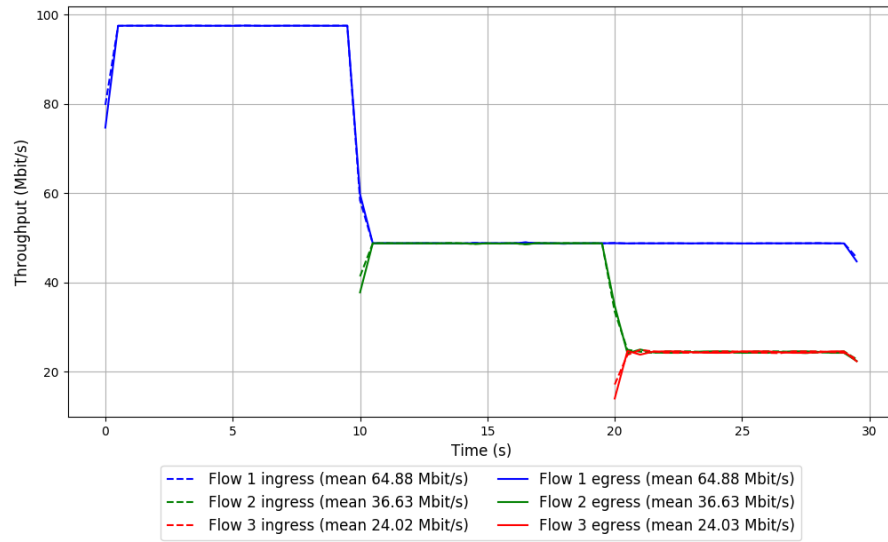


Run 10: Statistics of TCP Cubic

Start at: 2018-02-28 03:21:56
End at: 2018-02-28 03:22:26
Local clock offset: 3.776 ms
Remote clock offset: -1.945 ms

Below is generated by plot.py at 2018-02-28 07:13:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 60.505 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 64.88 Mbit/s
95th percentile per-packet one-way delay: 37.783 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 36.63 Mbit/s
95th percentile per-packet one-way delay: 60.594 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 24.03 Mbit/s
95th percentile per-packet one-way delay: 60.680 ms
Loss rate: 0.71%

Run 10: Report of TCP Cubic — Data Link

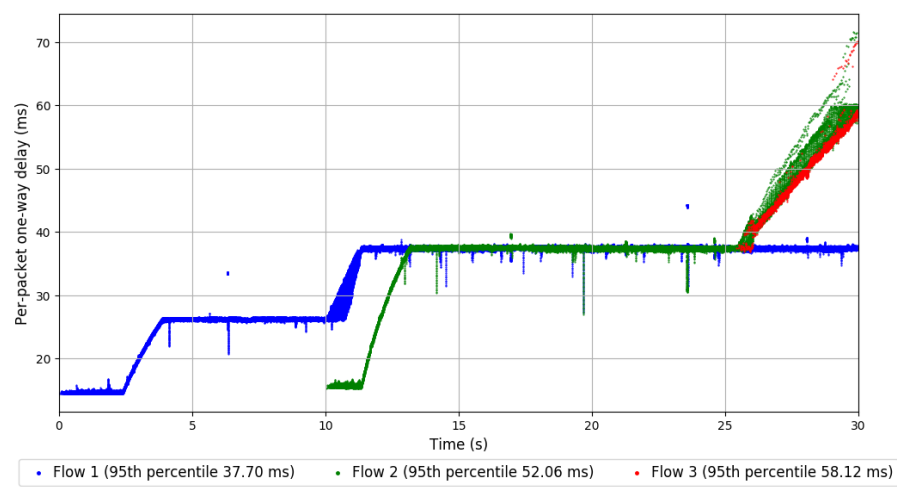
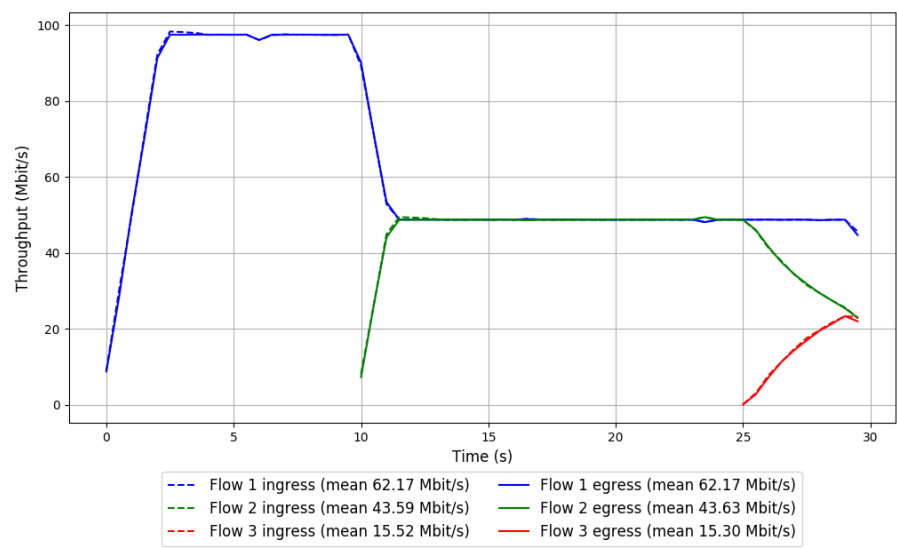


Run 1: Statistics of LEDBAT

Start at: 2018-02-28 00:09:48
End at: 2018-02-28 00:10:18
Local clock offset: 4.621 ms
Remote clock offset: -2.327 ms

Below is generated by plot.py at 2018-02-28 07:13:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.51 Mbit/s
95th percentile per-packet one-way delay: 45.530 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 62.17 Mbit/s
95th percentile per-packet one-way delay: 37.704 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 43.63 Mbit/s
95th percentile per-packet one-way delay: 52.059 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 15.30 Mbit/s
95th percentile per-packet one-way delay: 58.117 ms
Loss rate: 2.41%

Run 1: Report of LEDBAT — Data Link

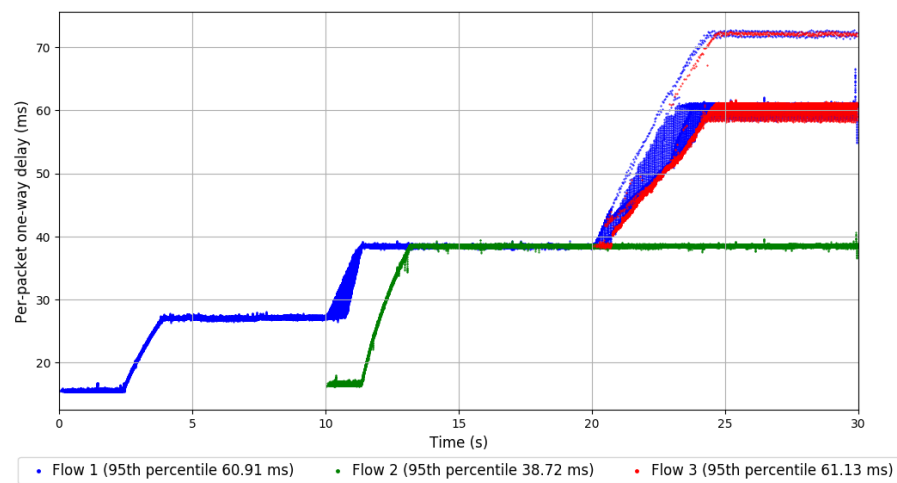
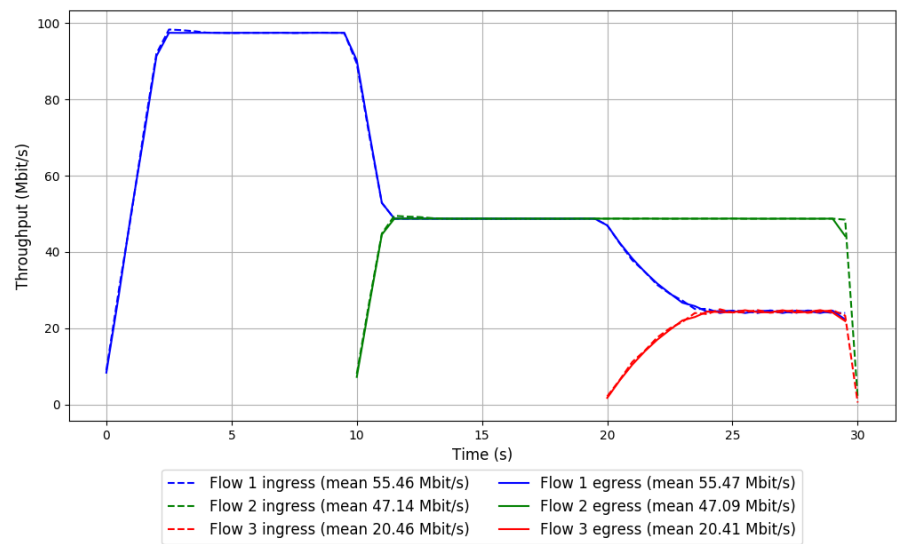


Run 2: Statistics of LEDBAT

Start at: 2018-02-28 00:30:51
End at: 2018-02-28 00:31:21
Local clock offset: 5.391 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-02-28 07:13:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.55 Mbit/s
95th percentile per-packet one-way delay: 60.940 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 55.47 Mbit/s
95th percentile per-packet one-way delay: 60.907 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 47.09 Mbit/s
95th percentile per-packet one-way delay: 38.721 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 20.41 Mbit/s
95th percentile per-packet one-way delay: 61.131 ms
Loss rate: 1.27%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-02-28 00:51:53

End at: 2018-02-28 00:52:23

Local clock offset: 4.896 ms

Remote clock offset: 2.029 ms

Below is generated by plot.py at 2018-02-28 07:13:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.55 Mbit/s

95th percentile per-packet one-way delay: 45.926 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 59.51 Mbit/s

95th percentile per-packet one-way delay: 44.313 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 37.94 Mbit/s

95th percentile per-packet one-way delay: 46.370 ms

Loss rate: 0.24%

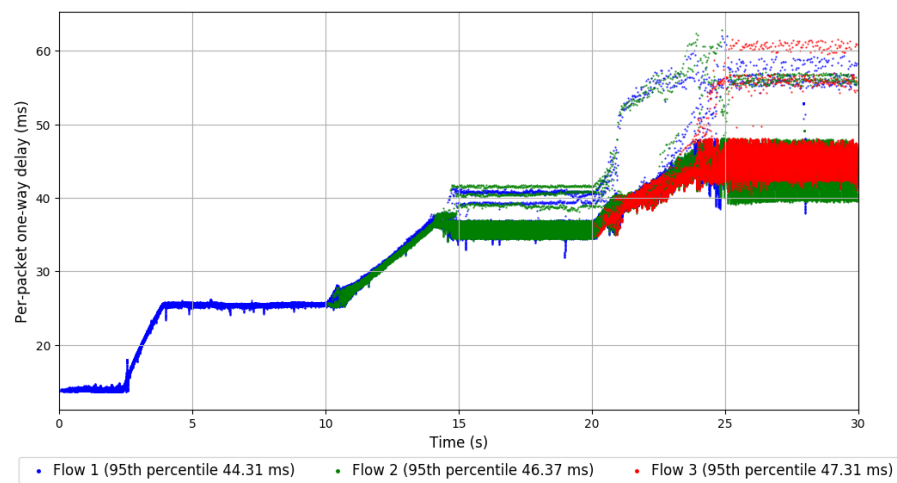
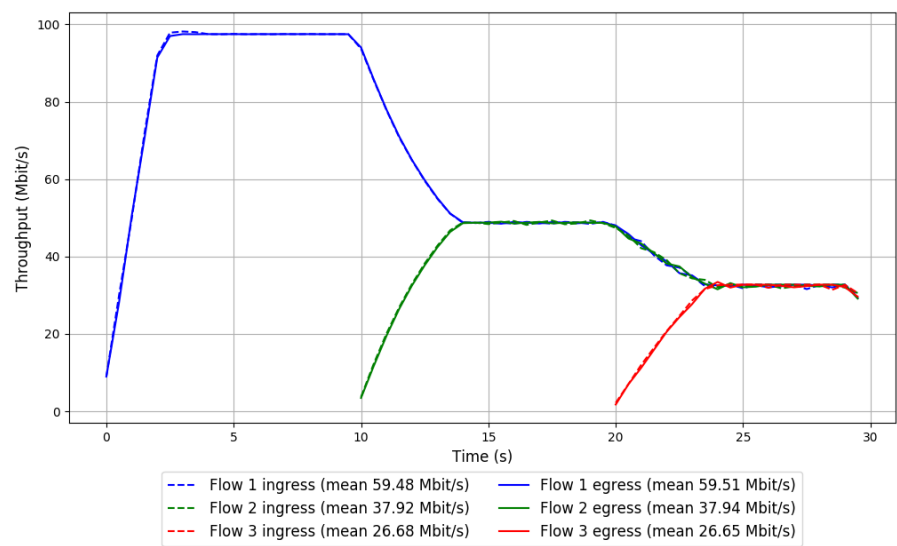
-- Flow 3:

Average throughput: 26.65 Mbit/s

95th percentile per-packet one-way delay: 47.306 ms

Loss rate: 0.71%

Run 3: Report of LEDBAT — Data Link

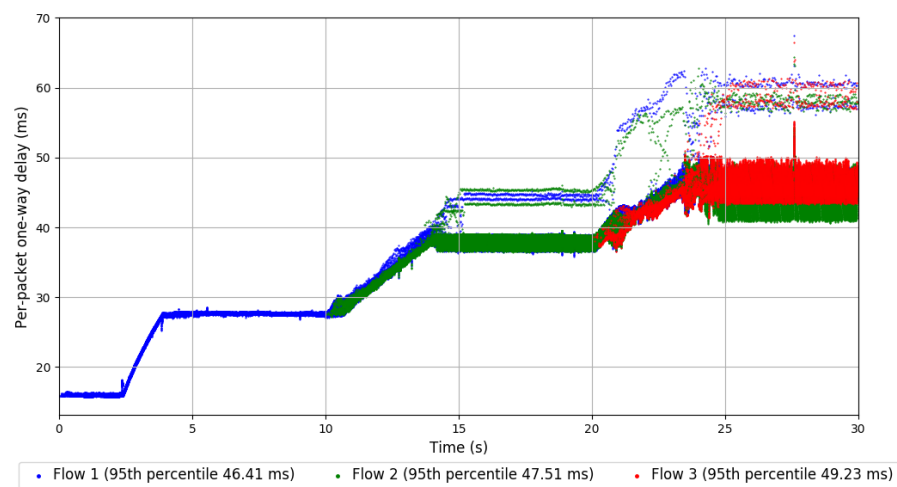
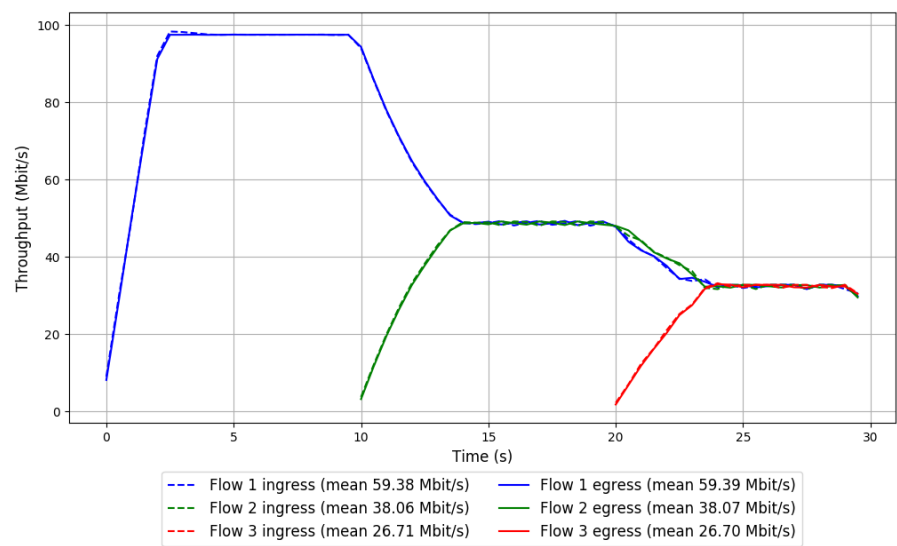


Run 4: Statistics of LEDBAT

Start at: 2018-02-28 01:13:02
End at: 2018-02-28 01:13:32
Local clock offset: 5.933 ms
Remote clock offset: -0.919 ms

Below is generated by plot.py at 2018-02-28 07:13:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.52 Mbit/s
95th percentile per-packet one-way delay: 47.284 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 59.39 Mbit/s
95th percentile per-packet one-way delay: 46.408 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 38.07 Mbit/s
95th percentile per-packet one-way delay: 47.506 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 26.70 Mbit/s
95th percentile per-packet one-way delay: 49.225 ms
Loss rate: 0.60%

Run 4: Report of LEDBAT — Data Link

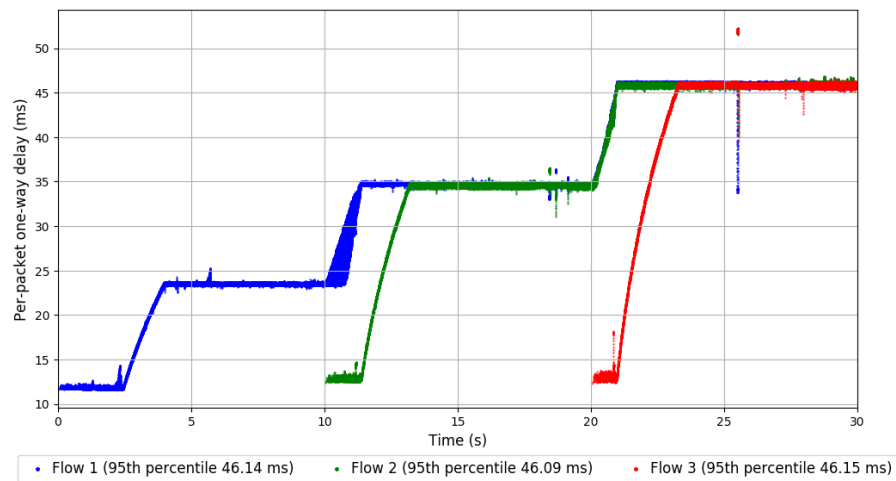
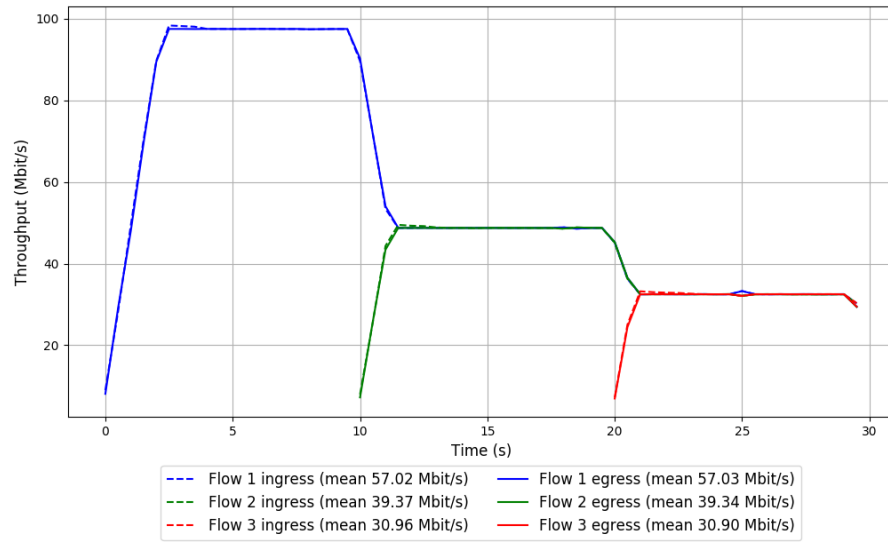


Run 5: Statistics of LEDBAT

Start at: 2018-02-28 01:34:03
End at: 2018-02-28 01:34:33
Local clock offset: 2.801 ms
Remote clock offset: -2.254 ms

Below is generated by plot.py at 2018-02-28 07:13:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.45 Mbit/s
95th percentile per-packet one-way delay: 46.131 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 57.03 Mbit/s
95th percentile per-packet one-way delay: 46.139 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.34 Mbit/s
95th percentile per-packet one-way delay: 46.092 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 46.145 ms
Loss rate: 0.62%

Run 5: Report of LEDBAT — Data Link

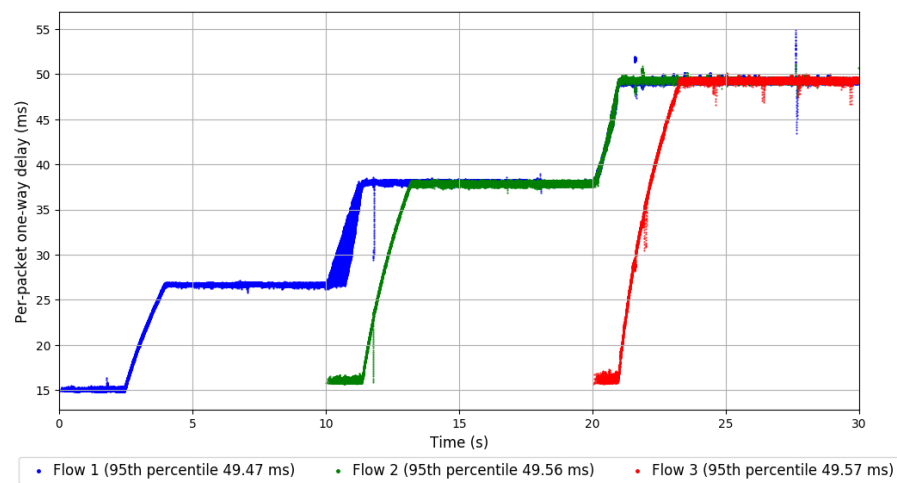
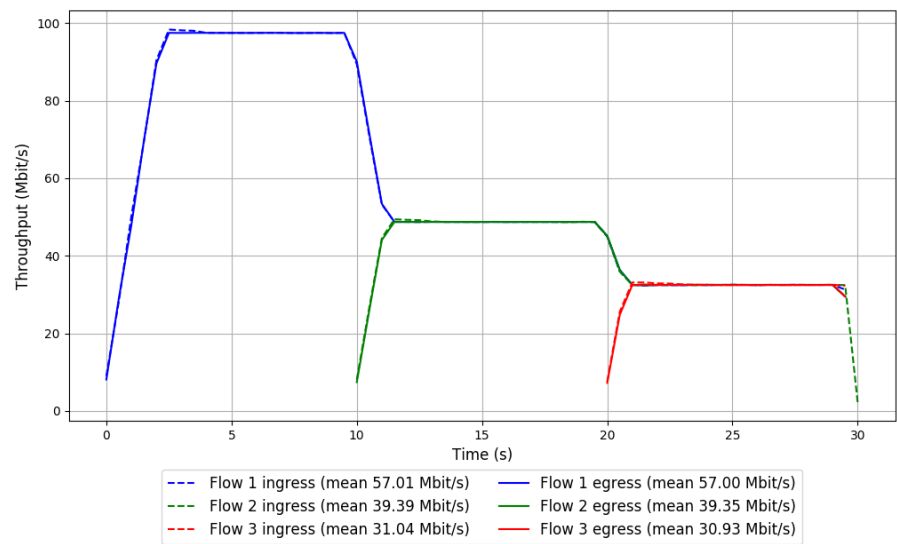


Run 6: Statistics of LEDBAT

Start at: 2018-02-28 01:55:16
End at: 2018-02-28 01:55:46
Local clock offset: 4.855 ms
Remote clock offset: -6.532 ms

Below is generated by plot.py at 2018-02-28 07:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.46 Mbit/s
95th percentile per-packet one-way delay: 49.525 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 57.00 Mbit/s
95th percentile per-packet one-way delay: 49.471 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 39.35 Mbit/s
95th percentile per-packet one-way delay: 49.557 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 30.93 Mbit/s
95th percentile per-packet one-way delay: 49.566 ms
Loss rate: 0.97%

Run 6: Report of LEDBAT — Data Link

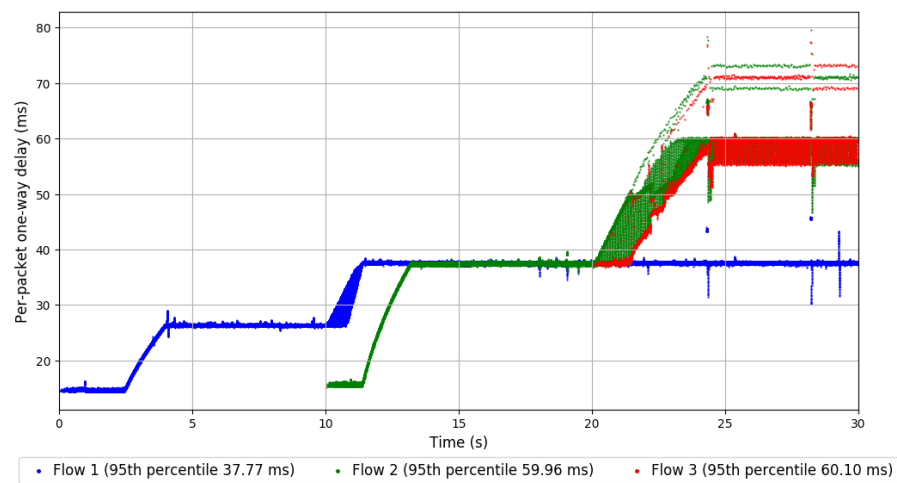
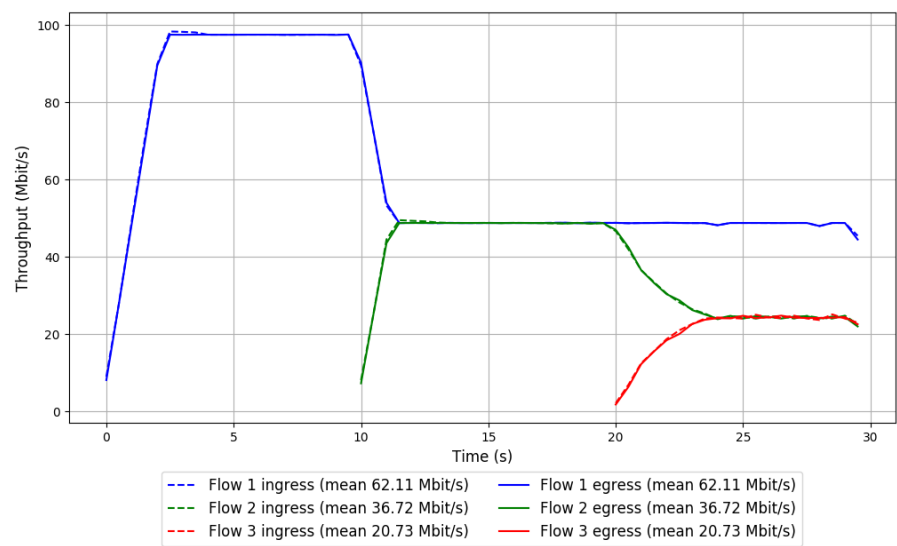


Run 7: Statistics of LEDBAT

Start at: 2018-02-28 02:16:28
End at: 2018-02-28 02:16:58
Local clock offset: -0.734 ms
Remote clock offset: -12.722 ms

Below is generated by plot.py at 2018-02-28 07:14:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.40 Mbit/s
95th percentile per-packet one-way delay: 59.793 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 62.11 Mbit/s
95th percentile per-packet one-way delay: 37.765 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 36.72 Mbit/s
95th percentile per-packet one-way delay: 59.961 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 20.73 Mbit/s
95th percentile per-packet one-way delay: 60.102 ms
Loss rate: 0.81%

Run 7: Report of LEDBAT — Data Link

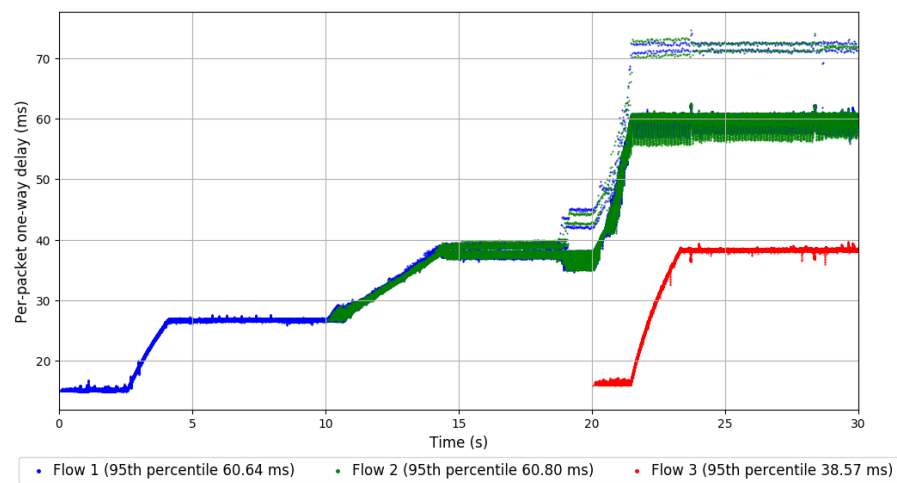
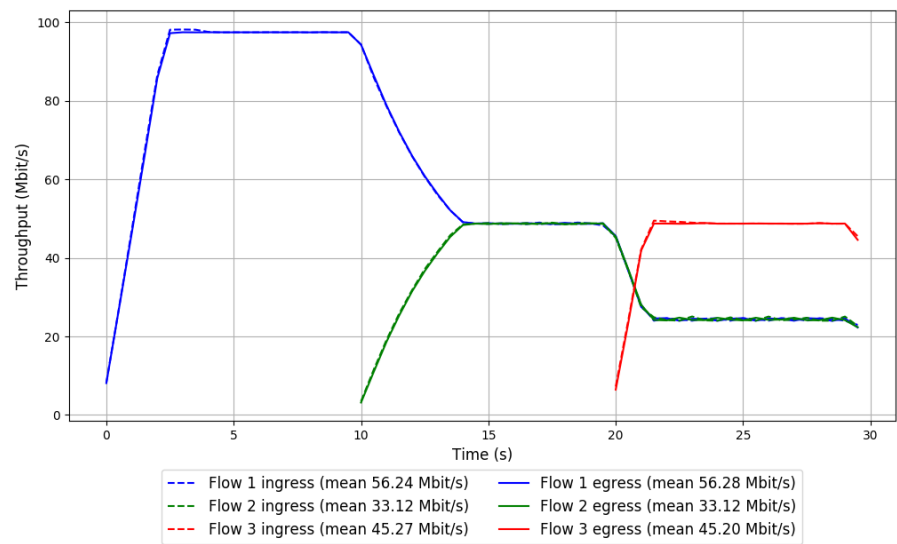


Run 8: Statistics of LEDBAT

Start at: 2018-02-28 02:38:21
End at: 2018-02-28 02:38:51
Local clock offset: 4.105 ms
Remote clock offset: -9.647 ms

Below is generated by plot.py at 2018-02-28 07:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.28 Mbit/s
95th percentile per-packet one-way delay: 60.684 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 56.28 Mbit/s
95th percentile per-packet one-way delay: 60.644 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 33.12 Mbit/s
95th percentile per-packet one-way delay: 60.795 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 45.20 Mbit/s
95th percentile per-packet one-way delay: 38.573 ms
Loss rate: 0.52%

Run 8: Report of LEDBAT — Data Link

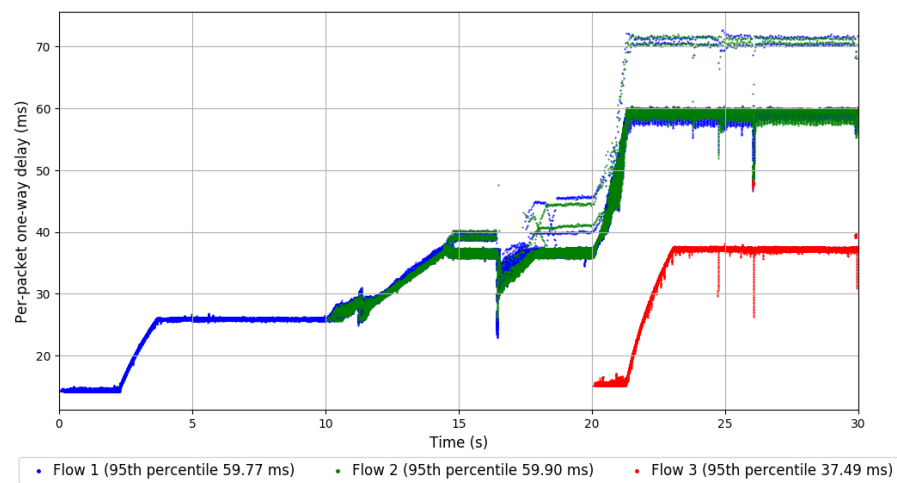
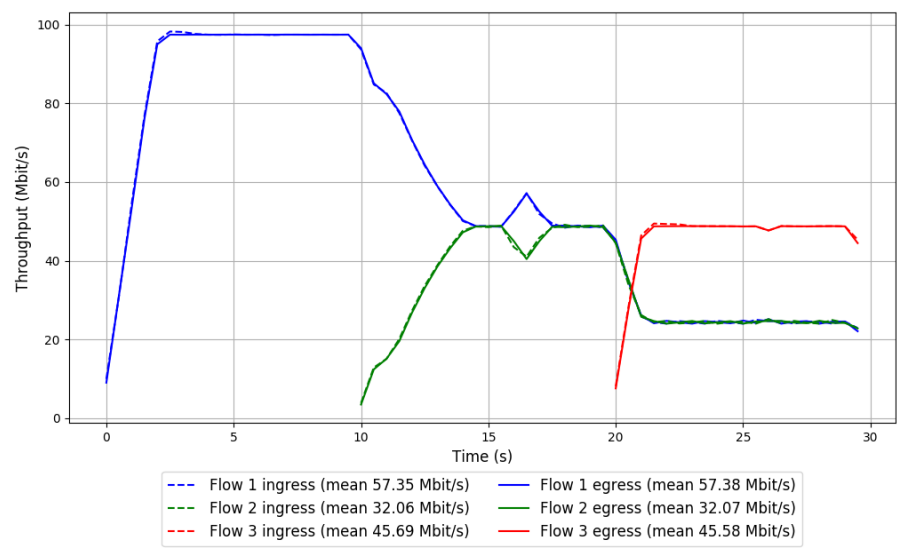


Run 9: Statistics of LEDBAT

Start at: 2018-02-28 02:59:27
End at: 2018-02-28 02:59:57
Local clock offset: 3.774 ms
Remote clock offset: -6.911 ms

Below is generated by plot.py at 2018-02-28 07:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.81 Mbit/s
95th percentile per-packet one-way delay: 59.799 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 57.38 Mbit/s
95th percentile per-packet one-way delay: 59.767 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 32.07 Mbit/s
95th percentile per-packet one-way delay: 59.896 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 45.58 Mbit/s
95th percentile per-packet one-way delay: 37.489 ms
Loss rate: 0.50%

Run 9: Report of LEDBAT — Data Link

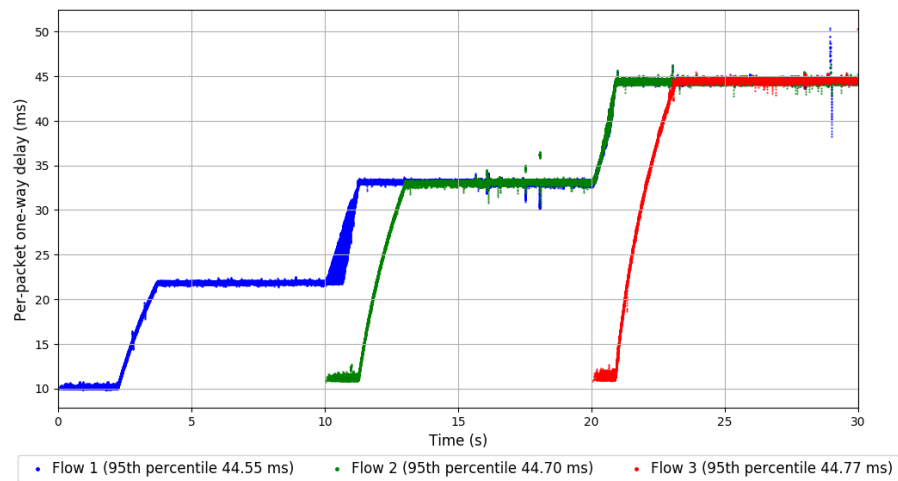
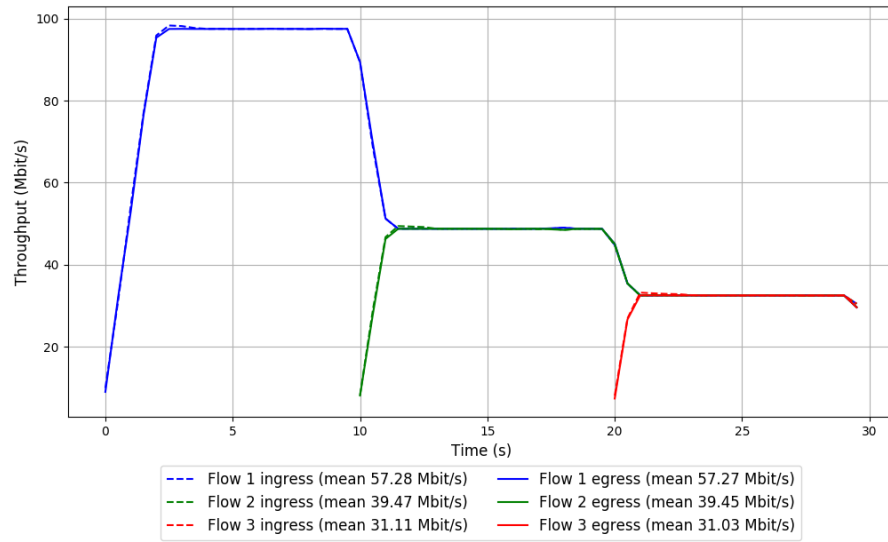


Run 10: Statistics of LEDBAT

Start at: 2018-02-28 03:20:44
End at: 2018-02-28 03:21:14
Local clock offset: 0.804 ms
Remote clock offset: -1.265 ms

Below is generated by plot.py at 2018-02-28 07:14:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.79 Mbit/s
95th percentile per-packet one-way delay: 44.677 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 57.27 Mbit/s
95th percentile per-packet one-way delay: 44.552 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: 44.696 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.03 Mbit/s
95th percentile per-packet one-way delay: 44.775 ms
Loss rate: 0.61%

Run 10: Report of LEDBAT — Data Link

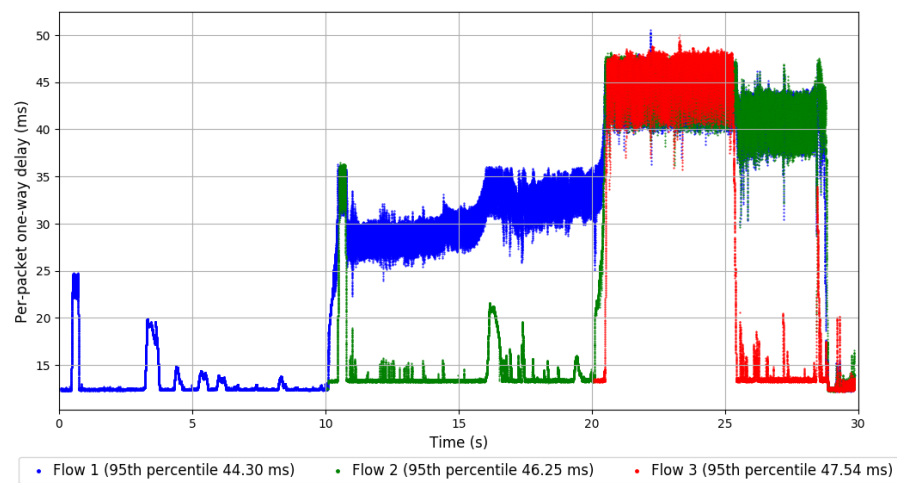
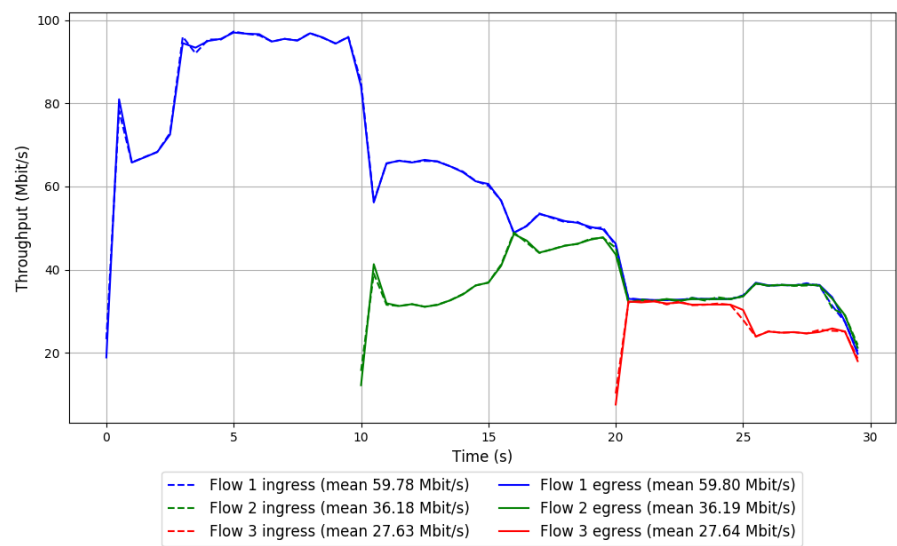


Run 1: Statistics of PCC

Start at: 2018-02-28 00:19:11
End at: 2018-02-28 00:19:41
Local clock offset: 2.64 ms
Remote clock offset: -2.407 ms

Below is generated by plot.py at 2018-02-28 07:14:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.94 Mbit/s
95th percentile per-packet one-way delay: 46.029 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 59.80 Mbit/s
95th percentile per-packet one-way delay: 44.300 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 36.19 Mbit/s
95th percentile per-packet one-way delay: 46.250 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 27.64 Mbit/s
95th percentile per-packet one-way delay: 47.544 ms
Loss rate: 0.23%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-02-28 00:40:15

End at: 2018-02-28 00:40:45

Local clock offset: 3.815 ms

Remote clock offset: 0.584 ms

Below is generated by plot.py at 2018-02-28 07:14:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.49 Mbit/s

95th percentile per-packet one-way delay: 39.865 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 73.63 Mbit/s

95th percentile per-packet one-way delay: 39.954 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 7.25 Mbit/s

95th percentile per-packet one-way delay: 40.992 ms

Loss rate: 0.35%

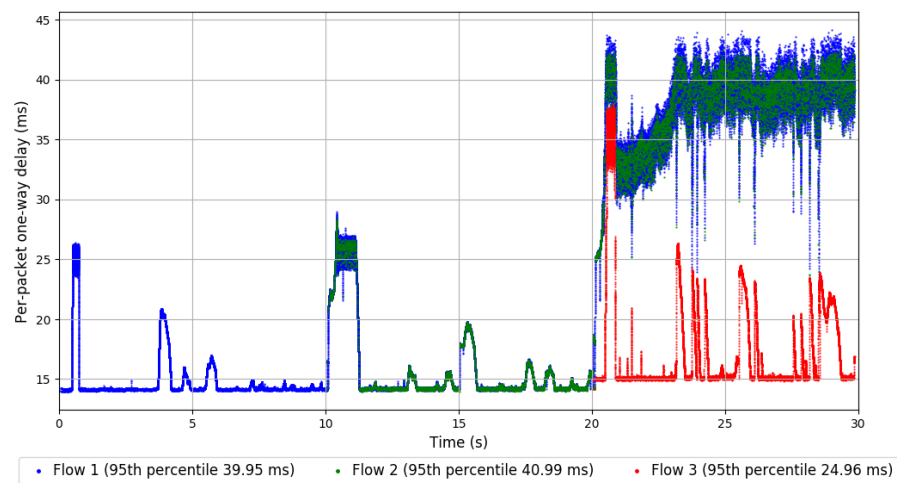
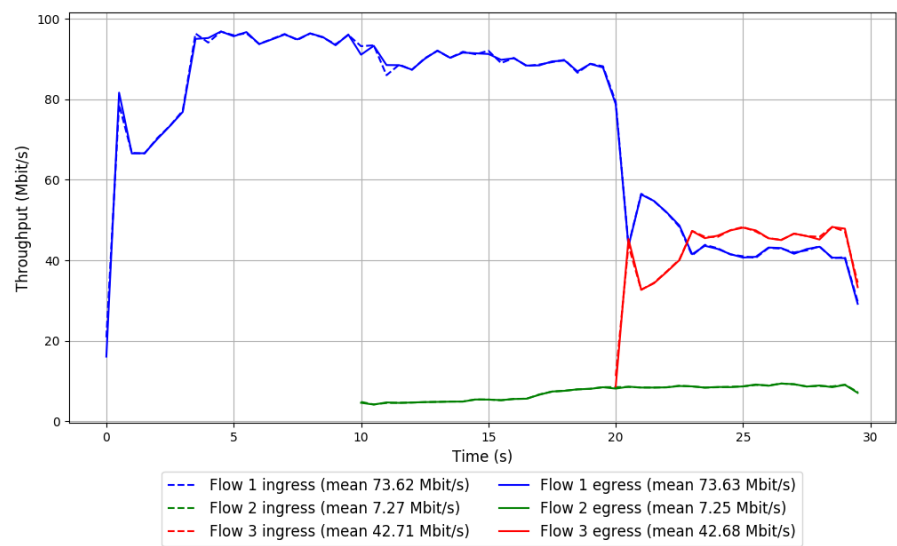
-- Flow 3:

Average throughput: 42.68 Mbit/s

95th percentile per-packet one-way delay: 24.959 ms

Loss rate: 0.30%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-02-28 01:01:19

End at: 2018-02-28 01:01:49

Local clock offset: 1.881 ms

Remote clock offset: 0.766 ms

Below is generated by plot.py at 2018-02-28 07:14:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.56 Mbit/s

95th percentile per-packet one-way delay: 32.677 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 59.54 Mbit/s

95th percentile per-packet one-way delay: 33.106 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 45.18 Mbit/s

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

Loss rate: 0.12%

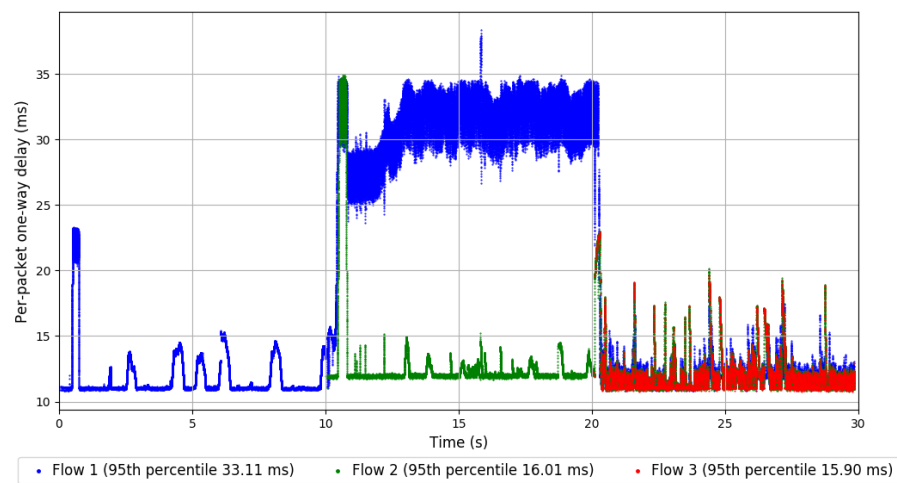
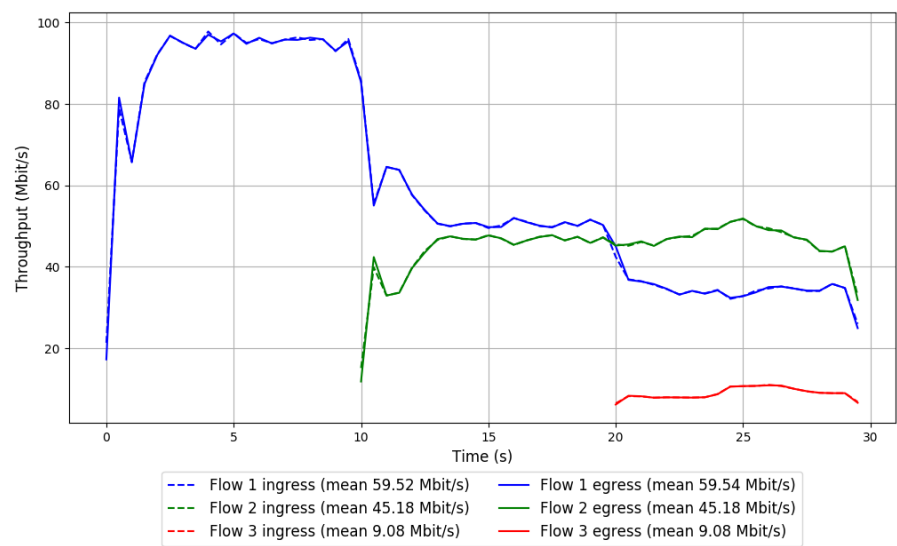
-- Flow 3:

Average throughput: 9.08 Mbit/s

95th percentile per-packet one-way delay: 15.900 ms

Loss rate: 0.25%

Run 3: Report of PCC — Data Link

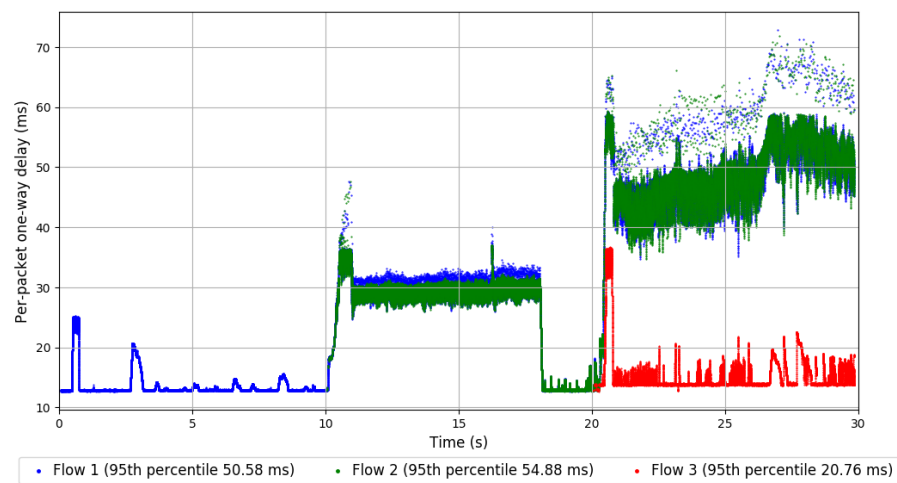
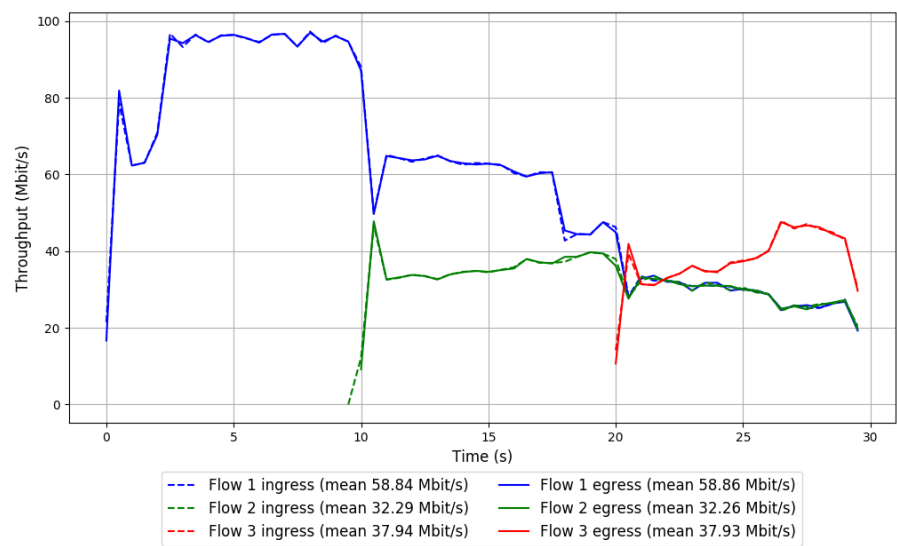


Run 4: Statistics of PCC

Start at: 2018-02-28 01:22:28
End at: 2018-02-28 01:22:58
Local clock offset: 2.617 ms
Remote clock offset: -1.696 ms

Below is generated by plot.py at 2018-02-28 07:15:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: 51.977 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 58.86 Mbit/s
95th percentile per-packet one-way delay: 50.581 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 32.26 Mbit/s
95th percentile per-packet one-way delay: 54.884 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 37.93 Mbit/s
95th percentile per-packet one-way delay: 20.764 ms
Loss rate: 0.27%

Run 4: Report of PCC — Data Link

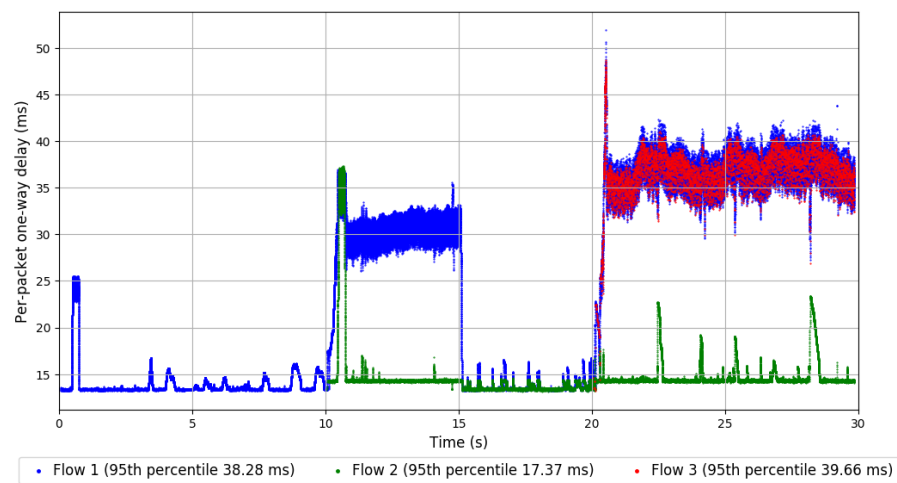
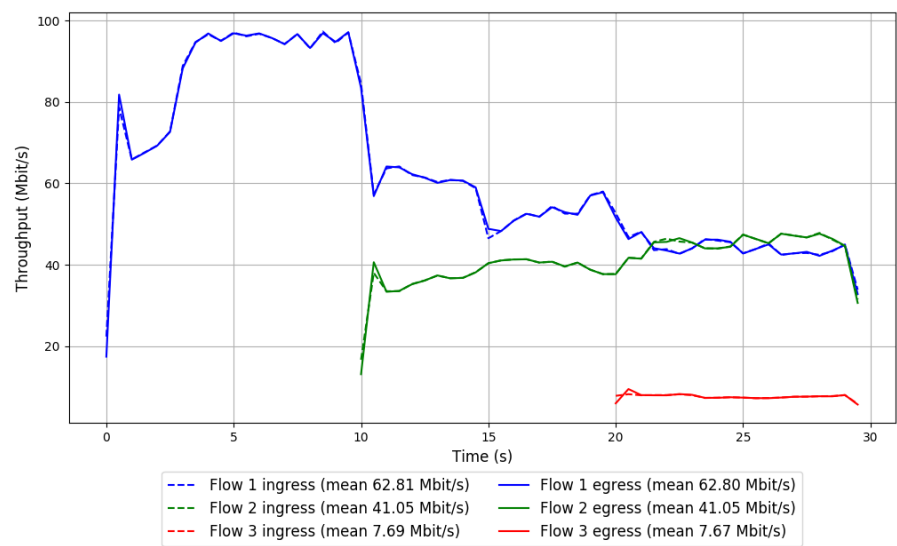


Run 5: Statistics of PCC

Start at: 2018-02-28 01:43:32
End at: 2018-02-28 01:44:02
Local clock offset: 3.292 ms
Remote clock offset: -5.707 ms

Below is generated by plot.py at 2018-02-28 07:15:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 37.960 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 62.80 Mbit/s
95th percentile per-packet one-way delay: 38.281 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 41.05 Mbit/s
95th percentile per-packet one-way delay: 17.371 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 7.67 Mbit/s
95th percentile per-packet one-way delay: 39.655 ms
Loss rate: 0.50%

Run 5: Report of PCC — Data Link

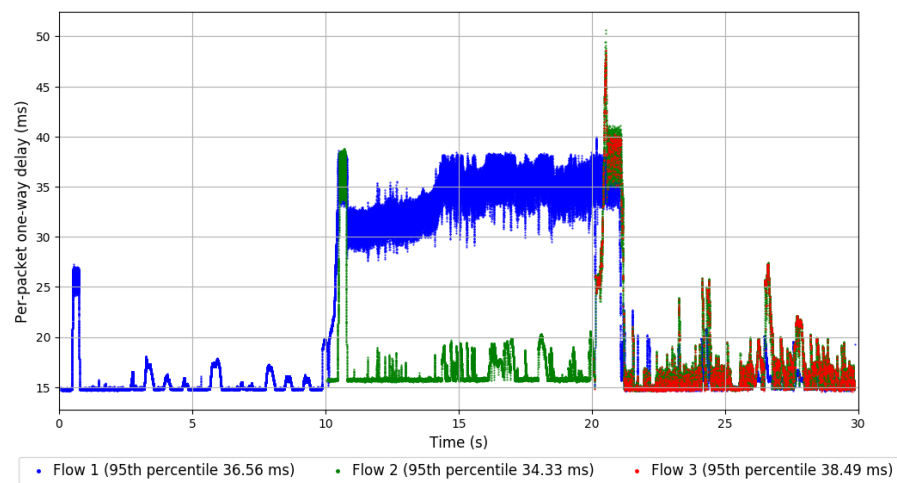
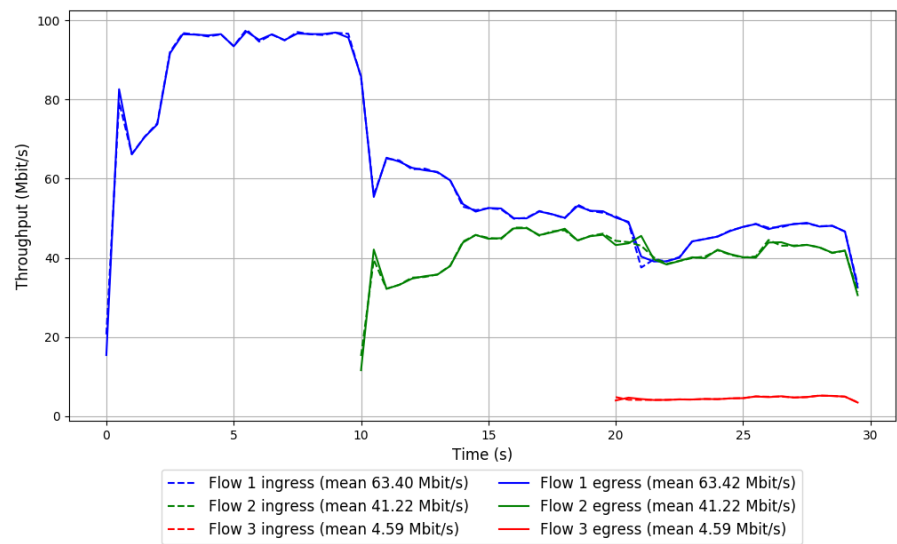


Run 6: Statistics of PCC

Start at: 2018-02-28 02:04:42
End at: 2018-02-28 02:05:12
Local clock offset: 4.557 ms
Remote clock offset: -7.059 ms

Below is generated by plot.py at 2018-02-28 07:15:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 36.458 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 63.42 Mbit/s
95th percentile per-packet one-way delay: 36.556 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 41.22 Mbit/s
95th percentile per-packet one-way delay: 34.325 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 38.489 ms
Loss rate: 0.24%

Run 6: Report of PCC — Data Link

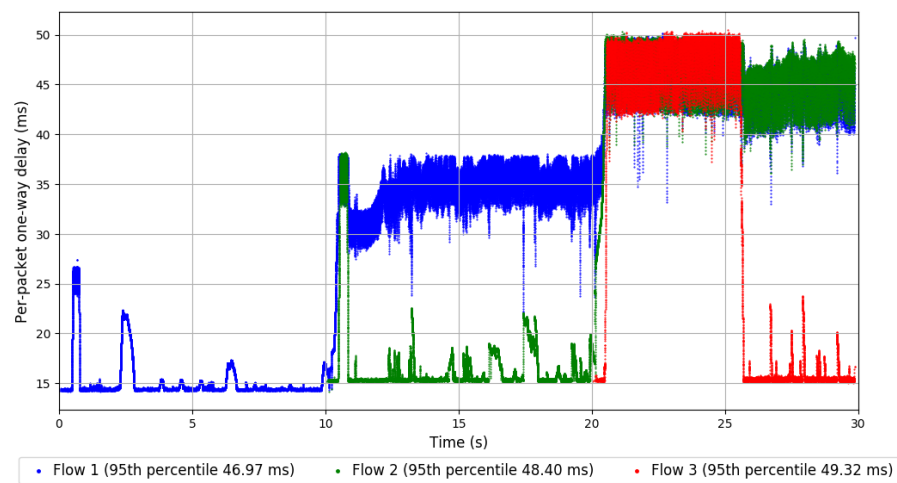
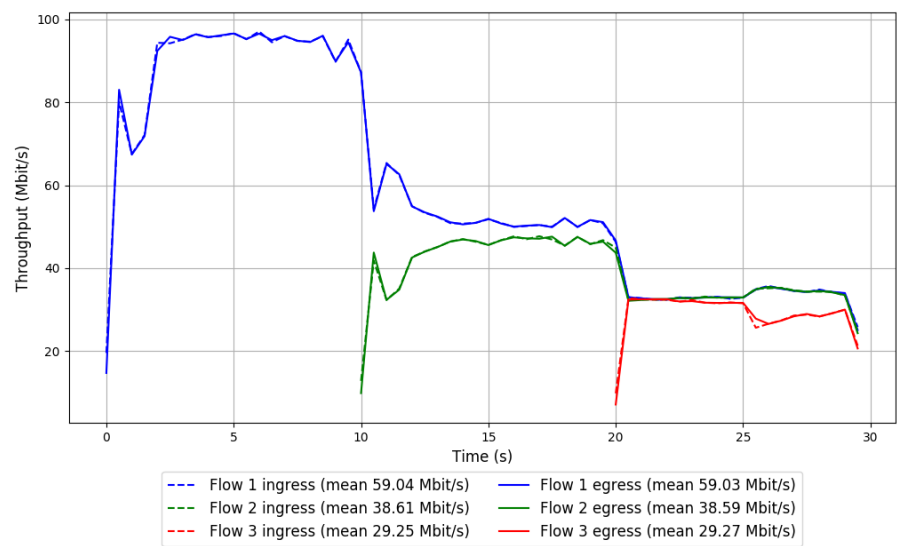


Run 7: Statistics of PCC

Start at: 2018-02-28 02:26:14
End at: 2018-02-28 02:26:44
Local clock offset: 4.827 ms
Remote clock offset: -7.767 ms

Below is generated by plot.py at 2018-02-28 07:15:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.28 Mbit/s
95th percentile per-packet one-way delay: 48.134 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 59.03 Mbit/s
95th percentile per-packet one-way delay: 46.973 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 38.59 Mbit/s
95th percentile per-packet one-way delay: 48.400 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 29.27 Mbit/s
95th percentile per-packet one-way delay: 49.317 ms
Loss rate: 0.28%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-02-28 02:47:49

End at: 2018-02-28 02:48:19

Local clock offset: 0.977 ms

Remote clock offset: -7.54 ms

Below is generated by plot.py at 2018-02-28 07:15:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.12 Mbit/s

95th percentile per-packet one-way delay: 47.037 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 58.90 Mbit/s

95th percentile per-packet one-way delay: 46.627 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 39.48 Mbit/s

95th percentile per-packet one-way delay: 50.440 ms

Loss rate: 0.28%

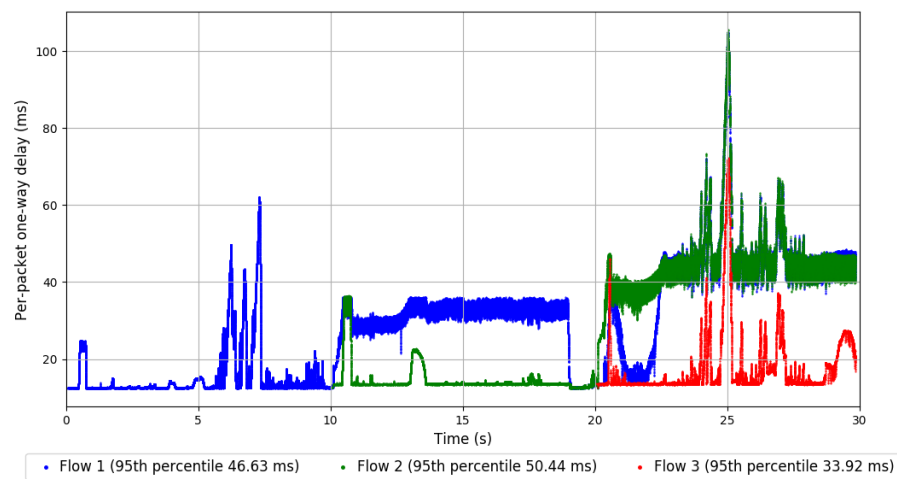
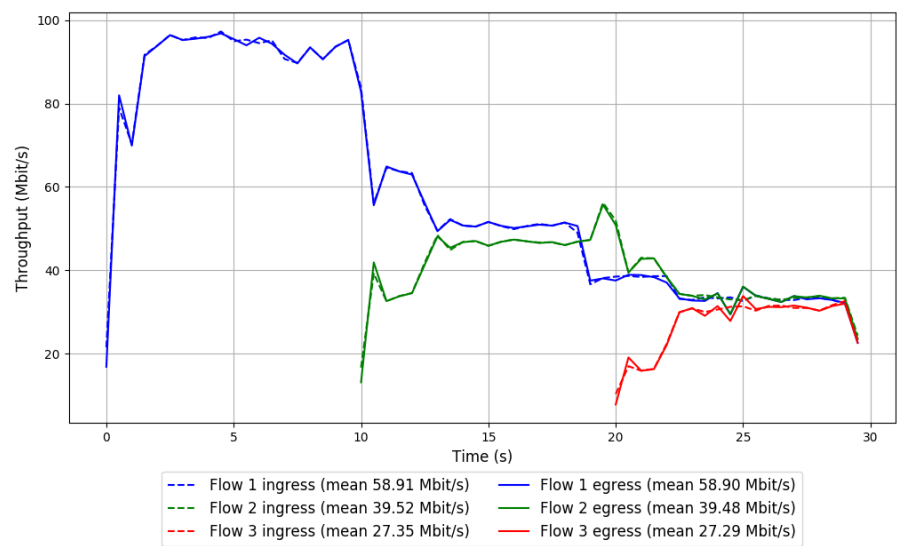
-- Flow 3:

Average throughput: 27.29 Mbit/s

95th percentile per-packet one-way delay: 33.921 ms

Loss rate: 0.46%

Run 8: Report of PCC — Data Link

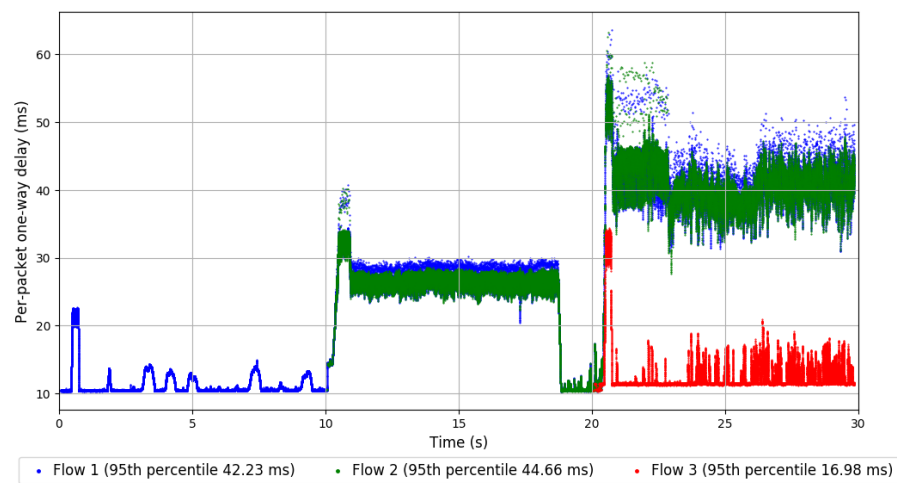
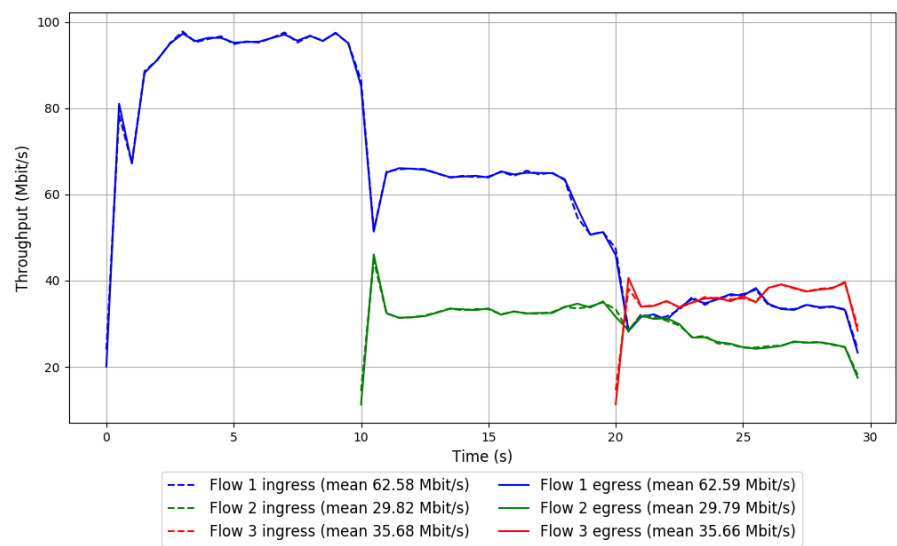


Run 9: Statistics of PCC

Start at: 2018-02-28 03:08:58
End at: 2018-02-28 03:09:28
Local clock offset: 0.808 ms
Remote clock offset: -6.006 ms

Below is generated by plot.py at 2018-02-28 07:15:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.12 Mbit/s
95th percentile per-packet one-way delay: 42.825 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 62.59 Mbit/s
95th percentile per-packet one-way delay: 42.227 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 29.79 Mbit/s
95th percentile per-packet one-way delay: 44.656 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 35.66 Mbit/s
95th percentile per-packet one-way delay: 16.979 ms
Loss rate: 0.28%

Run 9: Report of PCC — Data Link

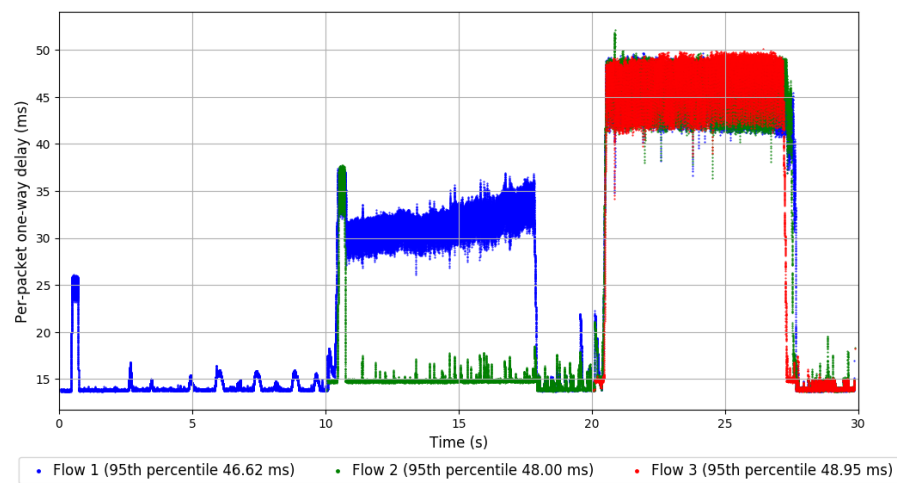
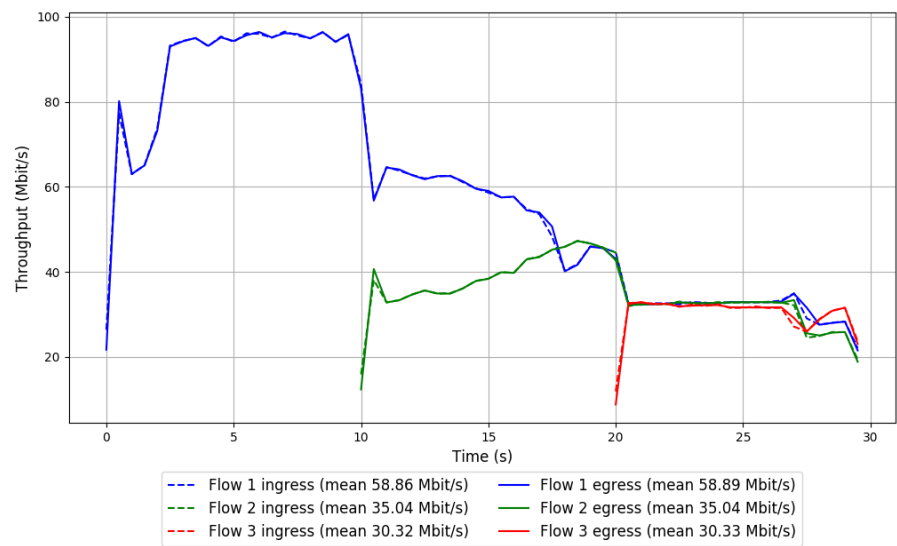


Run 10: Statistics of PCC

Start at: 2018-02-28 03:30:11
End at: 2018-02-28 03:30:41
Local clock offset: 3.413 ms
Remote clock offset: -0.819 ms

Below is generated by plot.py at 2018-02-28 07:15:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.17 Mbit/s
95th percentile per-packet one-way delay: 47.845 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 58.89 Mbit/s
95th percentile per-packet one-way delay: 46.622 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 35.04 Mbit/s
95th percentile per-packet one-way delay: 47.997 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 30.33 Mbit/s
95th percentile per-packet one-way delay: 48.945 ms
Loss rate: 0.25%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-02-28 00:07:26

End at: 2018-02-28 00:07:56

Local clock offset: 3.507 ms

Remote clock offset: -2.12 ms

Below is generated by plot.py at 2018-02-28 07:16:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.83 Mbit/s

95th percentile per-packet one-way delay: 56.746 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 61.82 Mbit/s

95th percentile per-packet one-way delay: 35.733 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 37.50 Mbit/s

95th percentile per-packet one-way delay: 57.082 ms

Loss rate: 0.22%

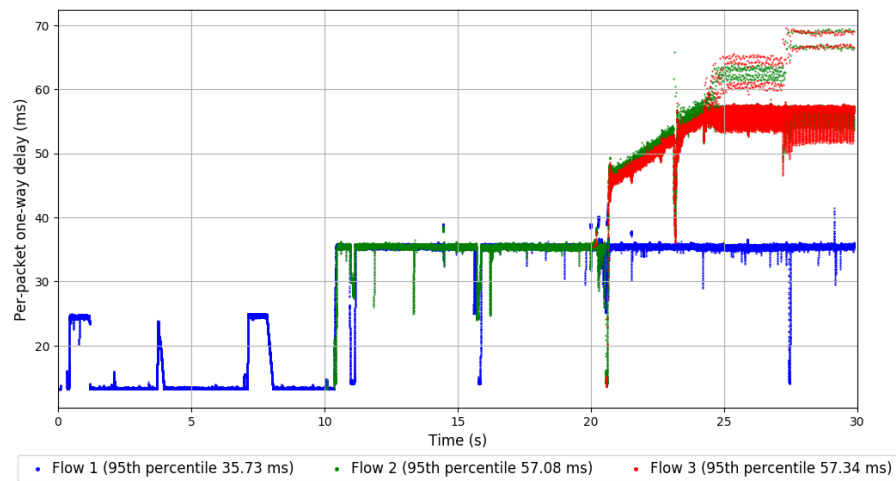
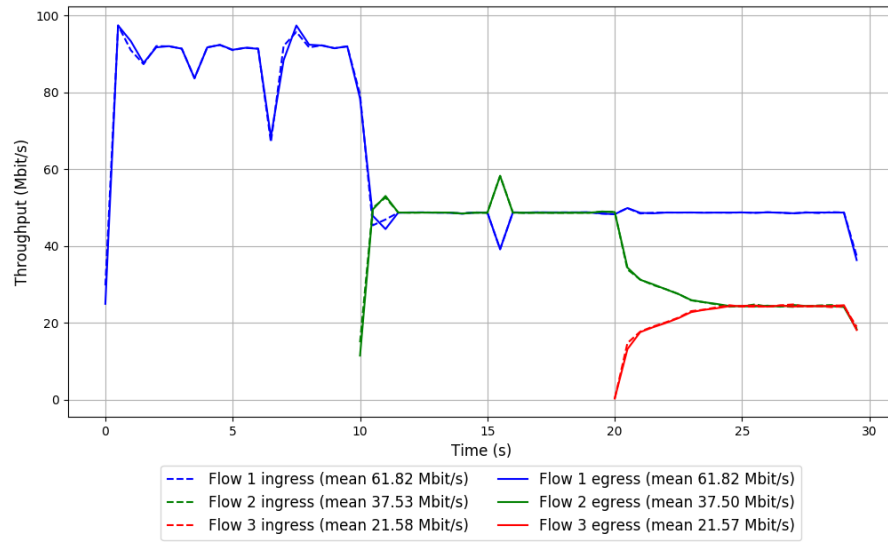
-- Flow 3:

Average throughput: 21.57 Mbit/s

95th percentile per-packet one-way delay: 57.342 ms

Loss rate: 0.78%

Run 1: Report of QUIC Cubic — Data Link

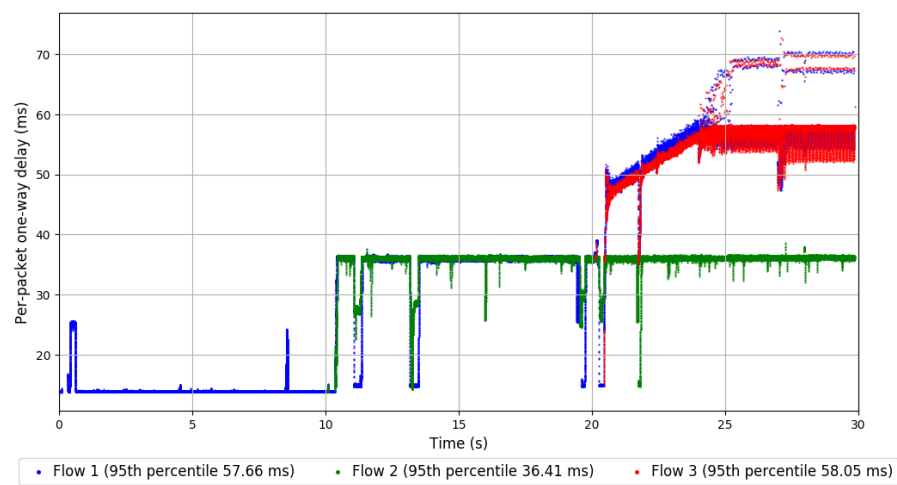
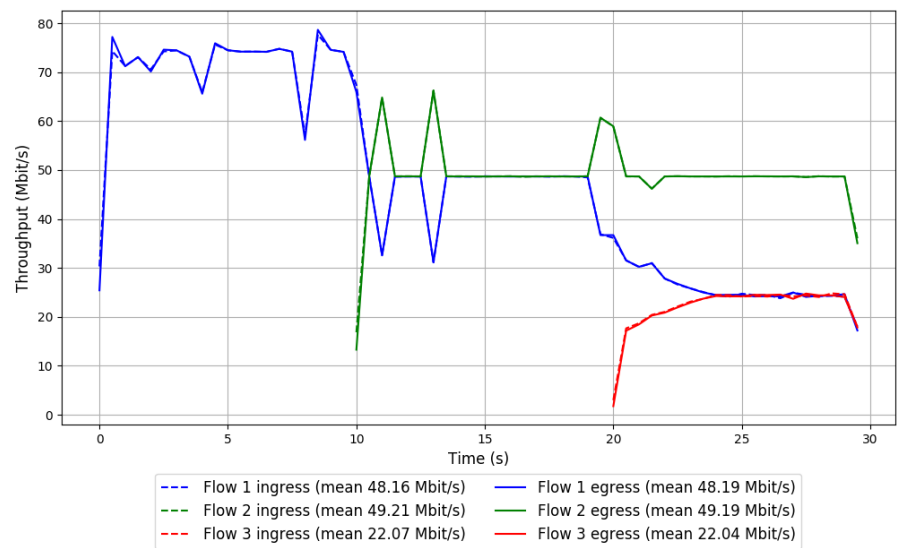


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-28 00:28:30
End at: 2018-02-28 00:29:00
Local clock offset: 3.426 ms
Remote clock offset: -0.846 ms

Below is generated by plot.py at 2018-02-28 07:17:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.11 Mbit/s
95th percentile per-packet one-way delay: 57.695 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 48.19 Mbit/s
95th percentile per-packet one-way delay: 57.657 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 49.19 Mbit/s
95th percentile per-packet one-way delay: 36.414 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 22.04 Mbit/s
95th percentile per-packet one-way delay: 58.046 ms
Loss rate: 0.75%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-02-28 00:49:32

End at: 2018-02-28 00:50:02

Local clock offset: 4.004 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-02-28 07:17:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.84 Mbit/s

95th percentile per-packet one-way delay: 48.219 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 56.14 Mbit/s

95th percentile per-packet one-way delay: 48.112 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 41.23 Mbit/s

95th percentile per-packet one-way delay: 48.231 ms

Loss rate: 0.23%

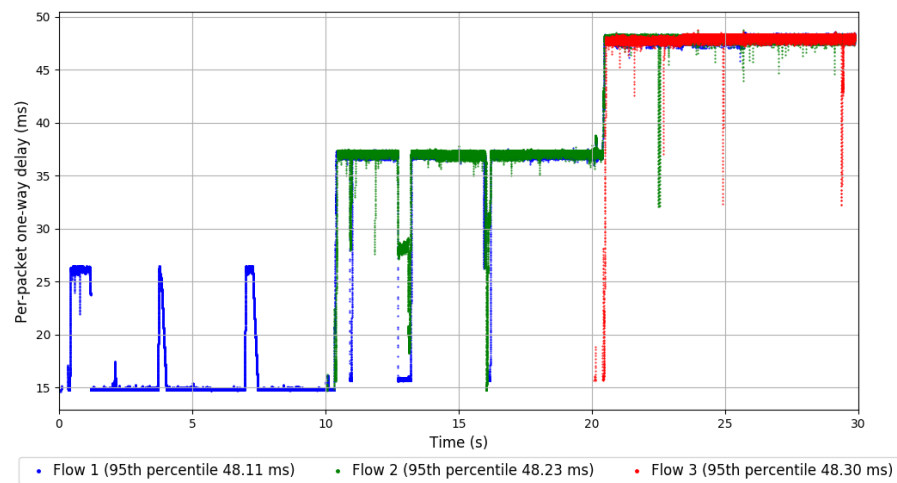
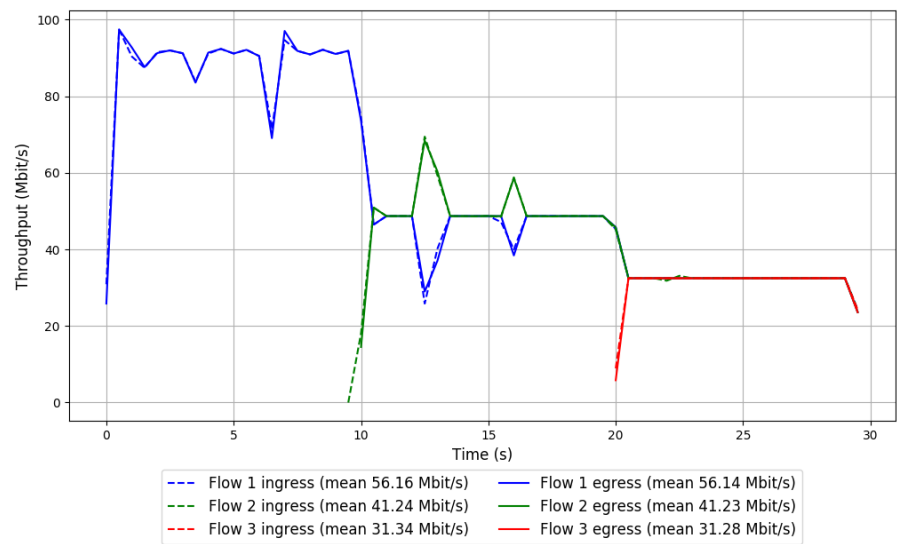
-- Flow 3:

Average throughput: 31.28 Mbit/s

95th percentile per-packet one-way delay: 48.299 ms

Loss rate: 0.61%

Run 3: Report of QUIC Cubic — Data Link

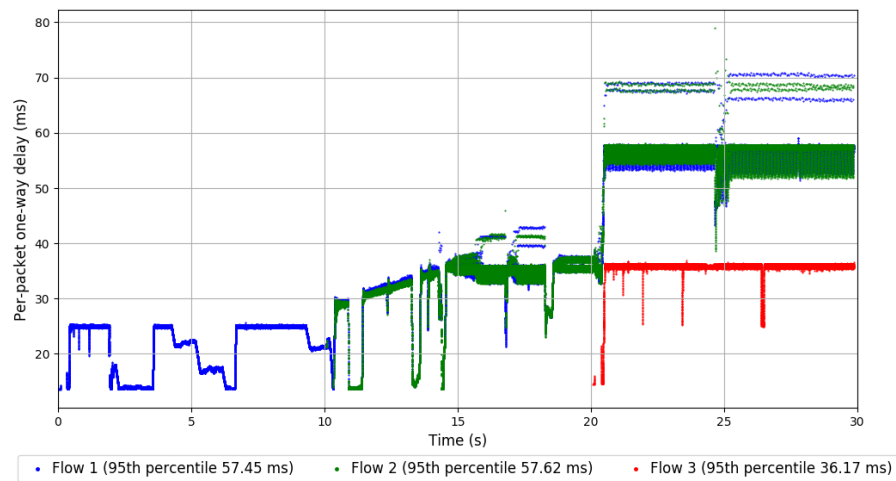
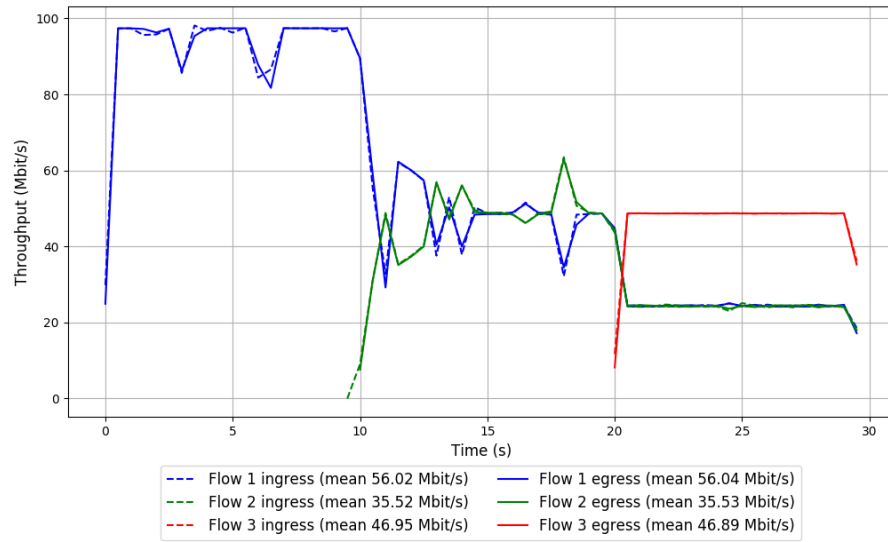


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-28 01:10:41
End at: 2018-02-28 01:11:11
Local clock offset: 4.37 ms
Remote clock offset: -0.232 ms

Below is generated by plot.py at 2018-02-28 07:17:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 57.491 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.04 Mbit/s
95th percentile per-packet one-way delay: 57.453 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 35.53 Mbit/s
95th percentile per-packet one-way delay: 57.616 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 46.89 Mbit/s
95th percentile per-packet one-way delay: 36.166 ms
Loss rate: 0.48%

Run 4: Report of QUIC Cubic — Data Link

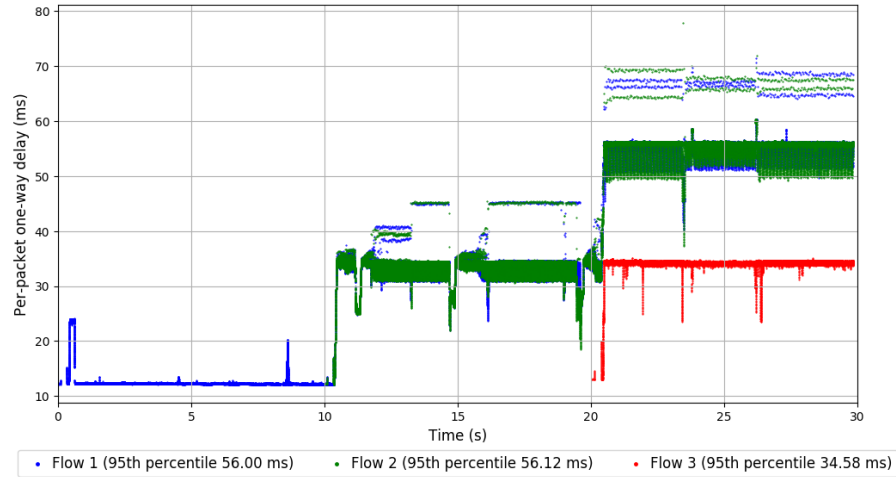
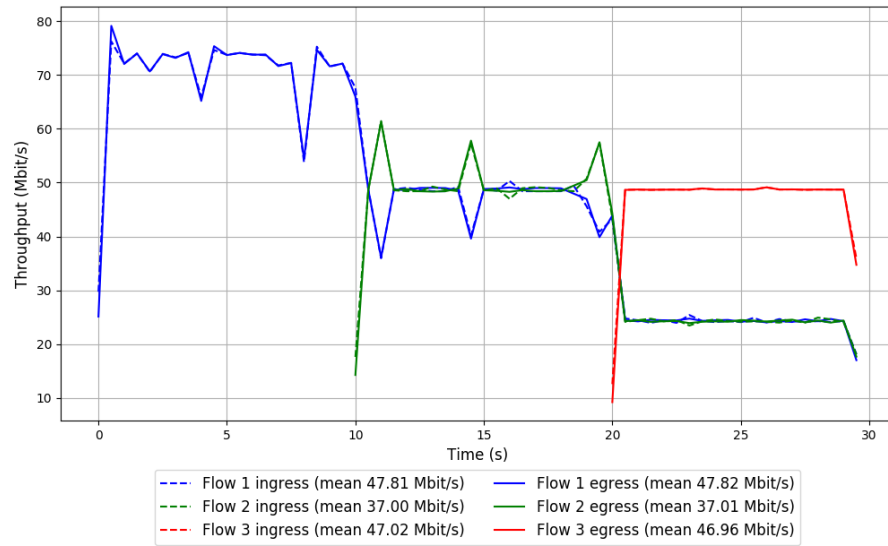


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-28 01:31:42
End at: 2018-02-28 01:32:12
Local clock offset: 3.196 ms
Remote clock offset: -1.642 ms

Below is generated by plot.py at 2018-02-28 07:17:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.86 Mbit/s
95th percentile per-packet one-way delay: 56.008 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 47.82 Mbit/s
95th percentile per-packet one-way delay: 55.997 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 37.01 Mbit/s
95th percentile per-packet one-way delay: 56.116 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 46.96 Mbit/s
95th percentile per-packet one-way delay: 34.575 ms
Loss rate: 0.48%

Run 5: Report of QUIC Cubic — Data Link

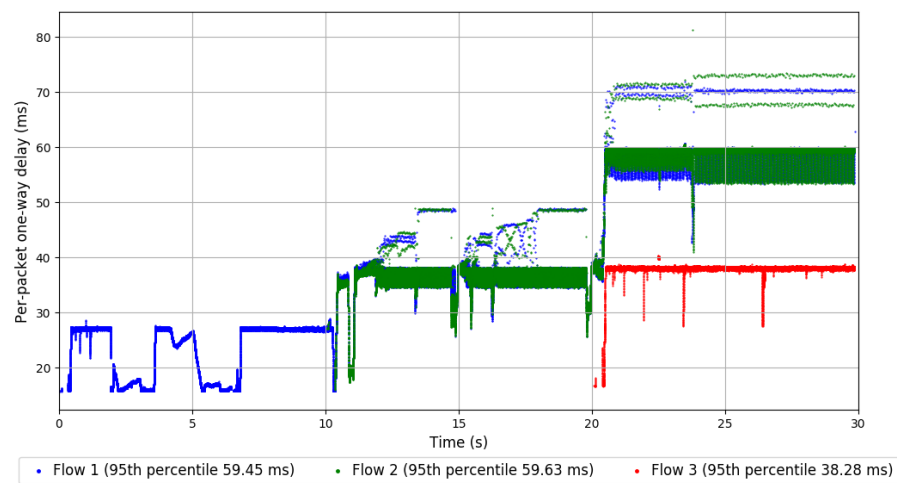
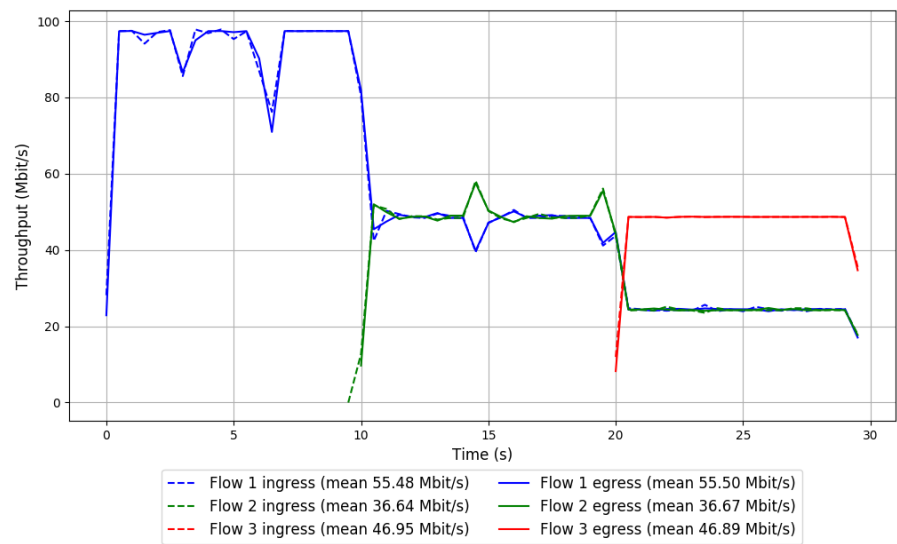


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-28 01:52:53
End at: 2018-02-28 01:53:23
Local clock offset: 5.126 ms
Remote clock offset: -6.962 ms

Below is generated by plot.py at 2018-02-28 07:17:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.26 Mbit/s
95th percentile per-packet one-way delay: 59.487 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 55.50 Mbit/s
95th percentile per-packet one-way delay: 59.450 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.67 Mbit/s
95th percentile per-packet one-way delay: 59.626 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 46.89 Mbit/s
95th percentile per-packet one-way delay: 38.282 ms
Loss rate: 0.50%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-02-28 02:14:06

End at: 2018-02-28 02:14:36

Local clock offset: 1.846 ms

Remote clock offset: -8.1 ms

Below is generated by plot.py at 2018-02-28 07:17:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.96 Mbit/s

95th percentile per-packet one-way delay: 56.577 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 48.05 Mbit/s

95th percentile per-packet one-way delay: 56.553 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 36.93 Mbit/s

95th percentile per-packet one-way delay: 56.686 ms

Loss rate: 0.22%

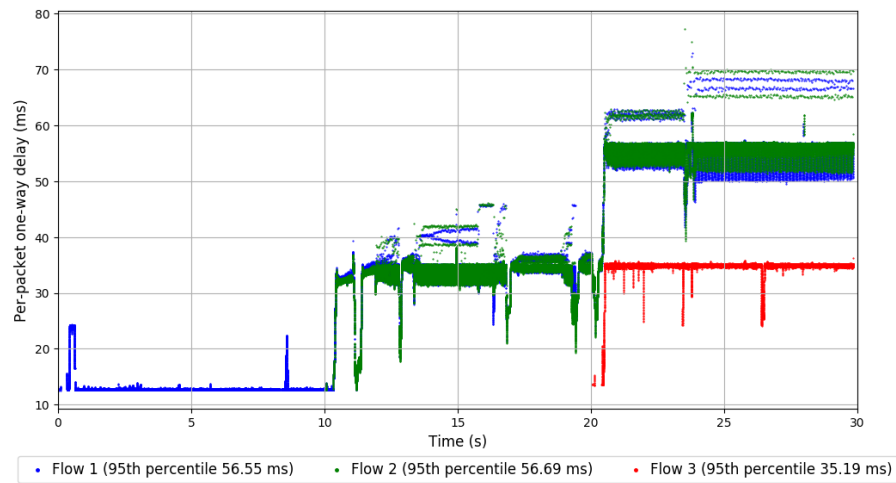
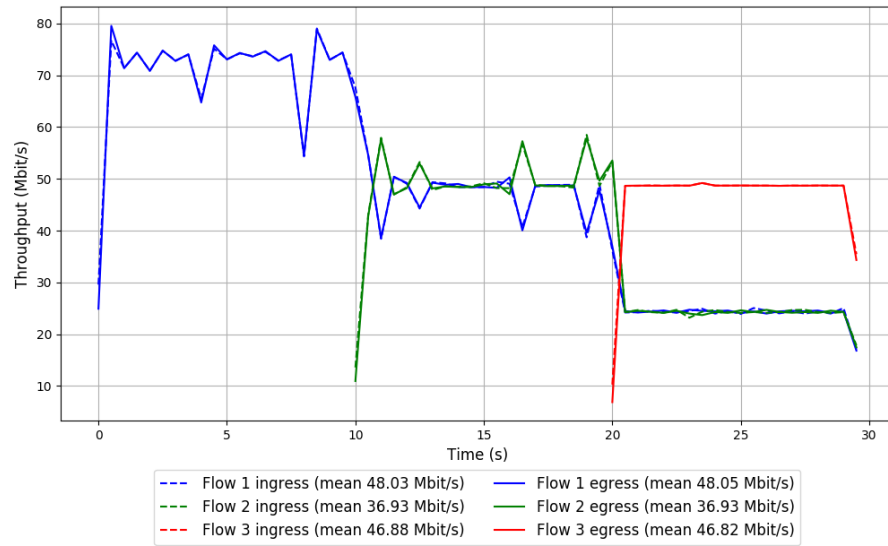
-- Flow 3:

Average throughput: 46.82 Mbit/s

95th percentile per-packet one-way delay: 35.188 ms

Loss rate: 0.49%

Run 7: Report of QUIC Cubic — Data Link

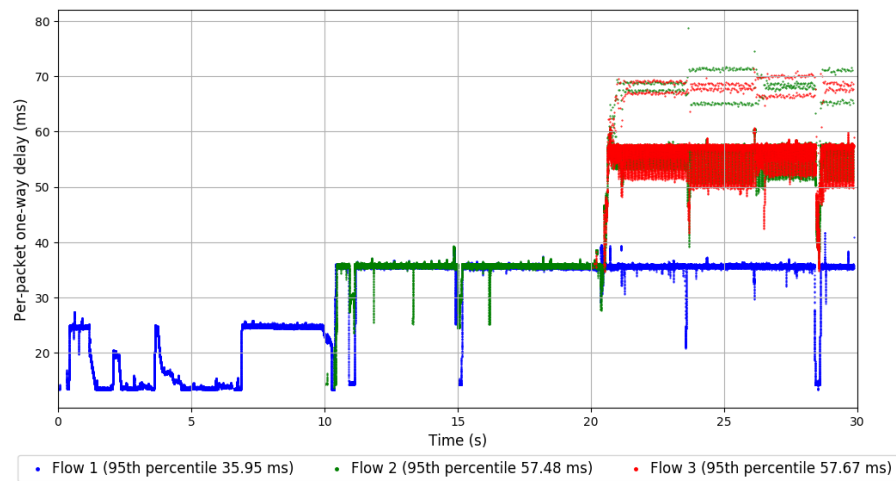
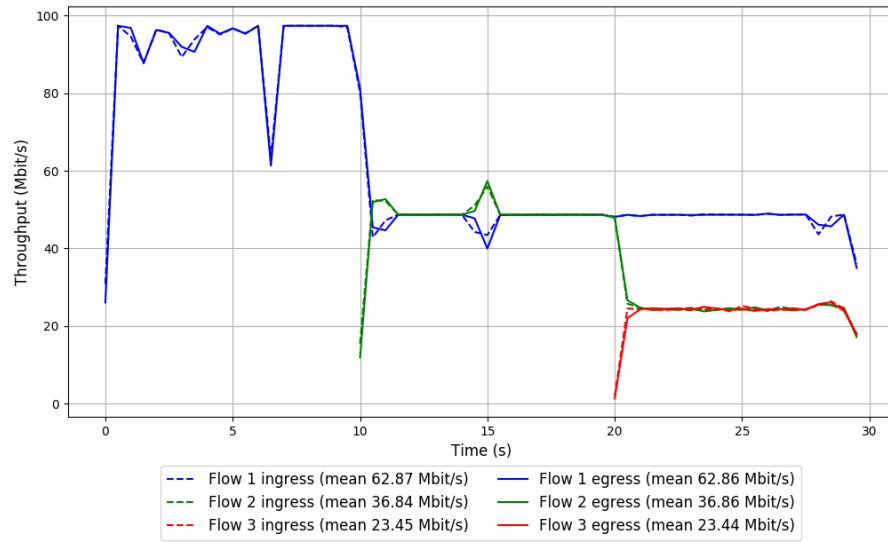


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-28 02:35:50
End at: 2018-02-28 02:36:20
Local clock offset: 1.996 ms
Remote clock offset: -10.249 ms

Below is generated by plot.py at 2018-02-28 07:17:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 57.313 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 62.86 Mbit/s
95th percentile per-packet one-way delay: 35.947 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 36.86 Mbit/s
95th percentile per-packet one-way delay: 57.476 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 23.44 Mbit/s
95th percentile per-packet one-way delay: 57.674 ms
Loss rate: 0.71%

Run 8: Report of QUIC Cubic — Data Link

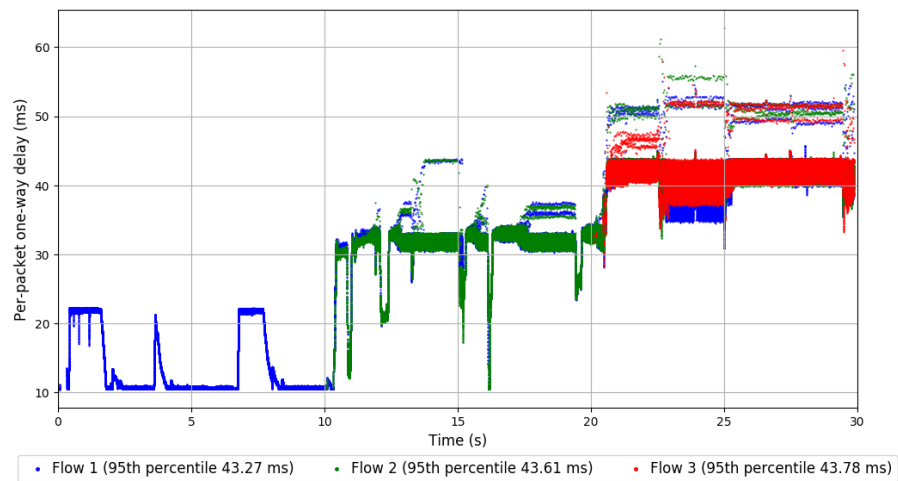
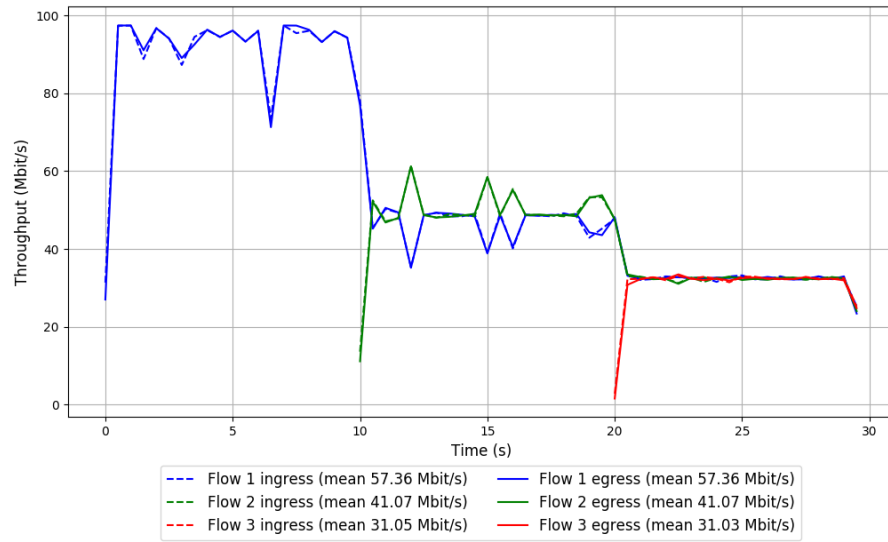


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-28 02:57:06
End at: 2018-02-28 02:57:36
Local clock offset: 1.655 ms
Remote clock offset: -5.684 ms

Below is generated by plot.py at 2018-02-28 07:17:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.84 Mbit/s
95th percentile per-packet one-way delay: 43.568 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 57.36 Mbit/s
95th percentile per-packet one-way delay: 43.272 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 41.07 Mbit/s
95th percentile per-packet one-way delay: 43.611 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 31.03 Mbit/s
95th percentile per-packet one-way delay: 43.782 ms
Loss rate: 0.61%

Run 9: Report of QUIC Cubic — Data Link

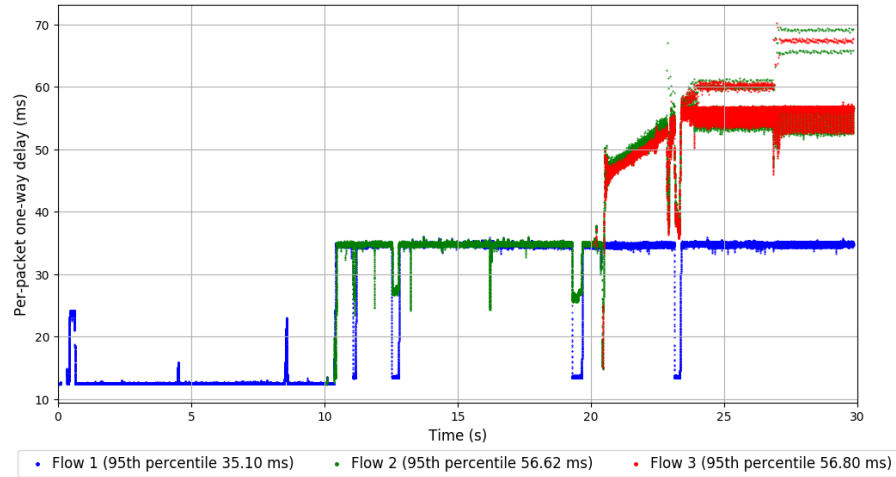
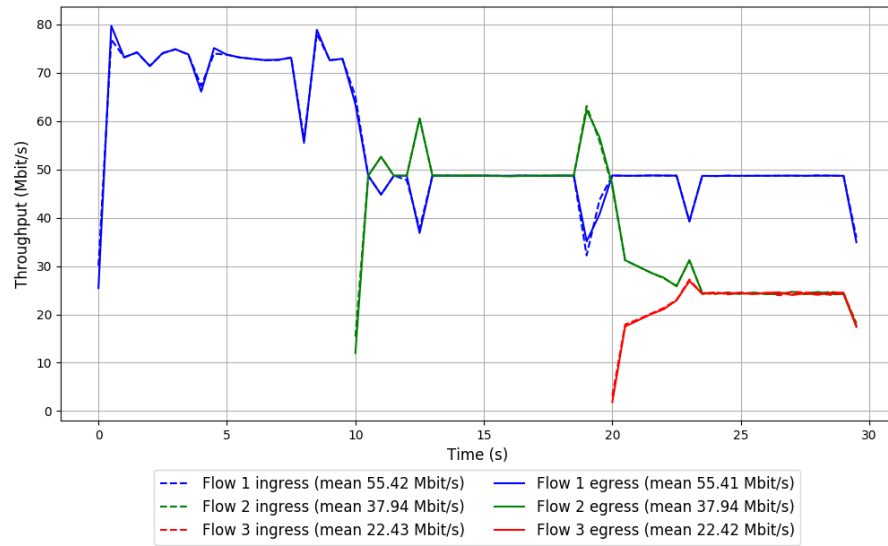


Run 10: Statistics of QUIC Cubic

Start at: 2018-02-28 03:18:19
End at: 2018-02-28 03:18:49
Local clock offset: 3.467 ms
Remote clock offset: -1.823 ms

Below is generated by plot.py at 2018-02-28 07:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.98 Mbit/s
95th percentile per-packet one-way delay: 56.456 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 55.41 Mbit/s
95th percentile per-packet one-way delay: 35.098 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 56.621 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 22.42 Mbit/s
95th percentile per-packet one-way delay: 56.805 ms
Loss rate: 0.69%

Run 10: Report of QUIC Cubic — Data Link

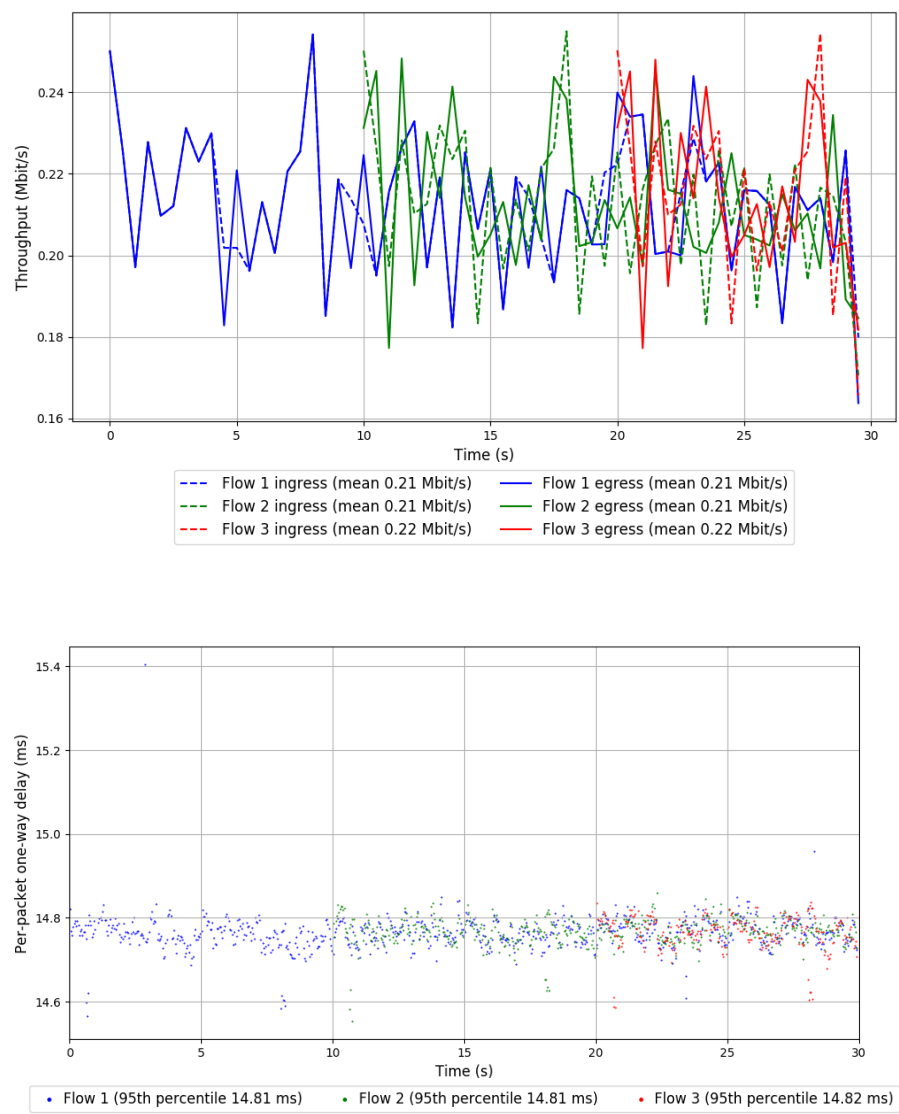


Run 1: Statistics of SReAM

Start at: 2018-02-28 00:05:08
End at: 2018-02-28 00:05:38
Local clock offset: 4.945 ms
Remote clock offset: -2.125 ms

Below is generated by plot.py at 2018-02-28 07:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 14.812 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.810 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.811 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 14.816 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

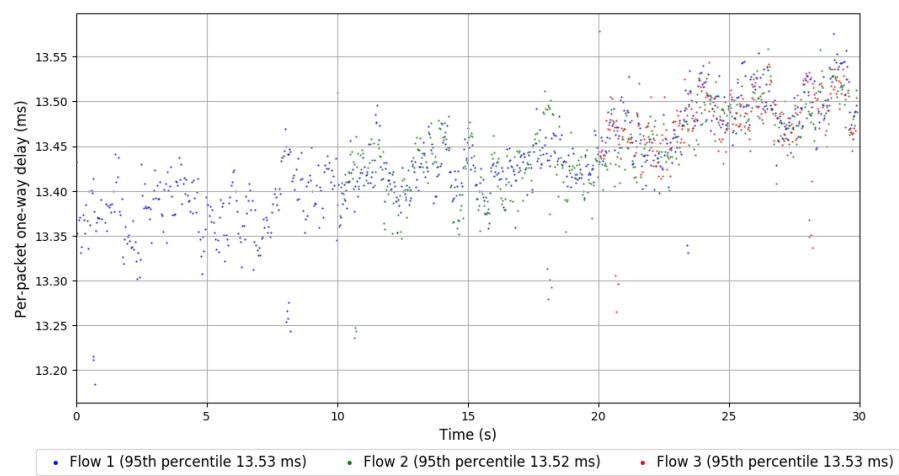
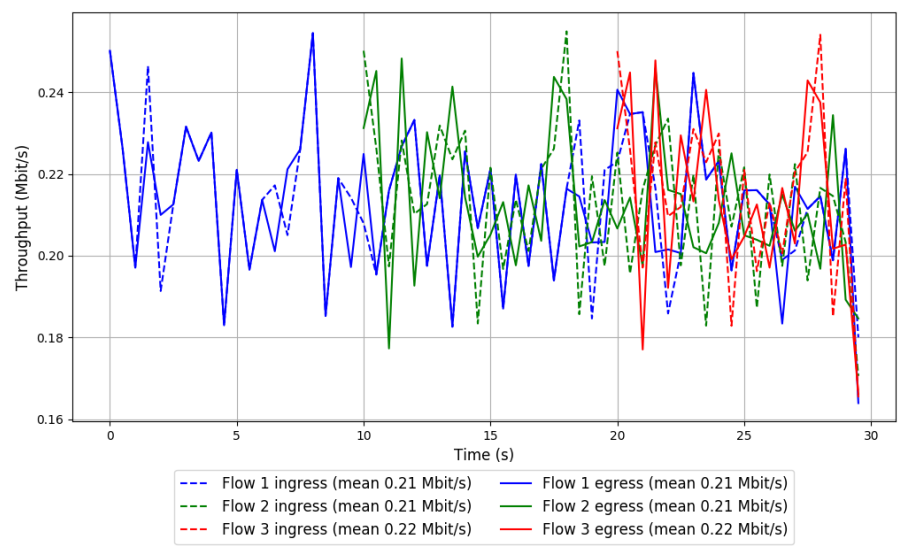


Run 2: Statistics of SReAM

Start at: 2018-02-28 00:26:11
End at: 2018-02-28 00:26:41
Local clock offset: 3.139 ms
Remote clock offset: -1.295 ms

Below is generated by plot.py at 2018-02-28 07:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 13.524 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.525 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.517 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 13.526 ms
Loss rate: 0.35%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-02-28 00:47:14

End at: 2018-02-28 00:47:44

Local clock offset: 3.84 ms

Remote clock offset: 0.645 ms

Below is generated by plot.py at 2018-02-28 07:18:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 14.013 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 14.005 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 14.013 ms

Loss rate: 0.00%

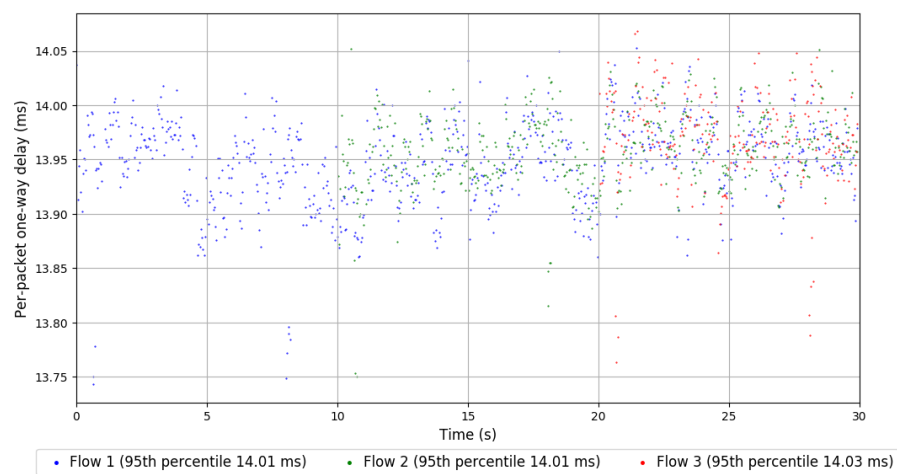
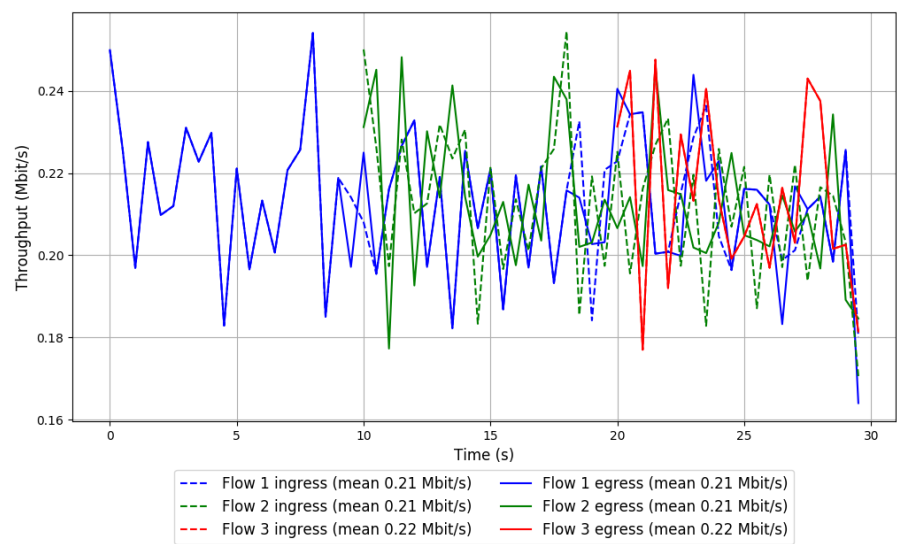
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 14.033 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

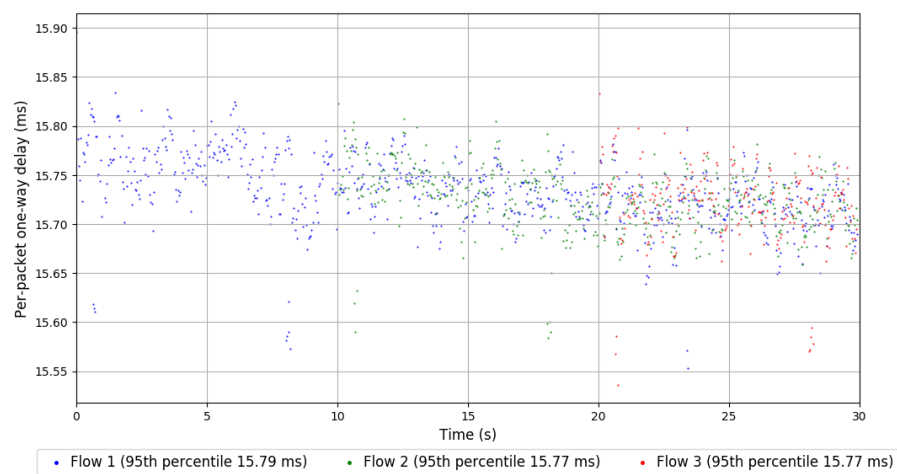
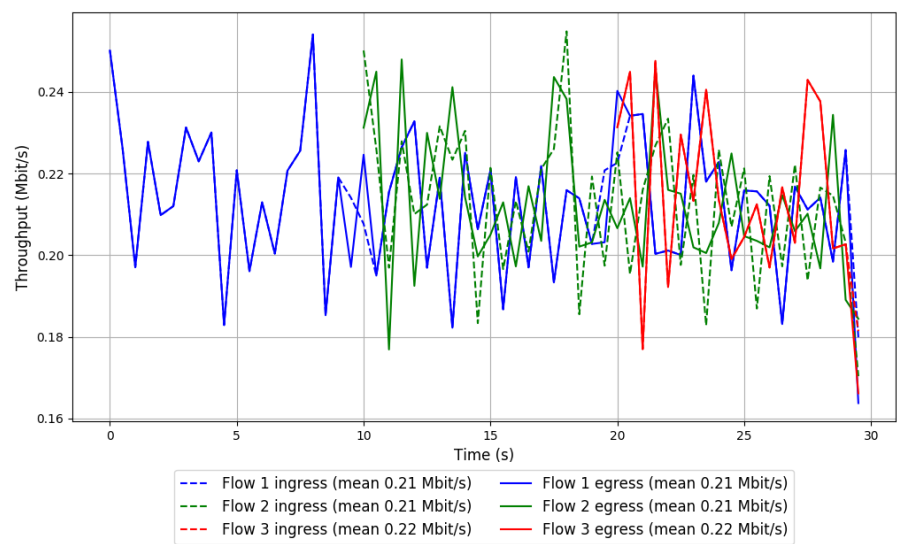


Run 4: Statistics of SReAM

Start at: 2018-02-28 01:08:22
End at: 2018-02-28 01:08:52
Local clock offset: 5.845 ms
Remote clock offset: -0.782 ms

Below is generated by plot.py at 2018-02-28 07:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 15.783 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.789 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.773 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.773 ms
Loss rate: 0.35%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-02-28 01:29:24

End at: 2018-02-28 01:29:54

Local clock offset: 5.751 ms

Remote clock offset: -1.15 ms

Below is generated by plot.py at 2018-02-28 07:18:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 15.365 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 15.387 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 15.306 ms

Loss rate: 0.00%

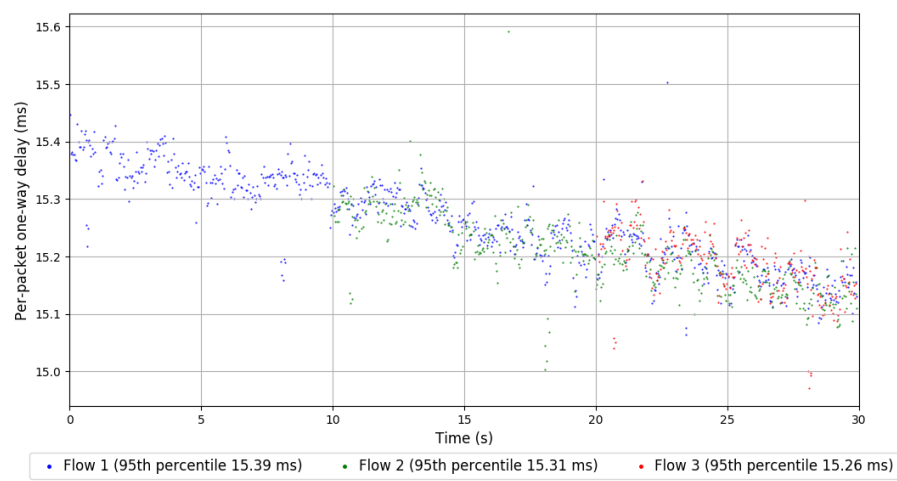
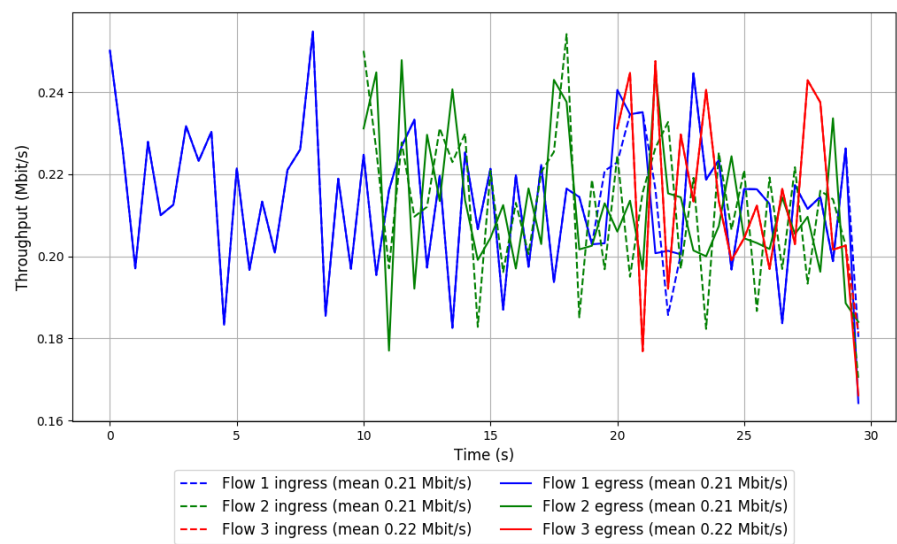
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 15.261 ms

Loss rate: 0.35%

Run 5: Report of SReAM — Data Link

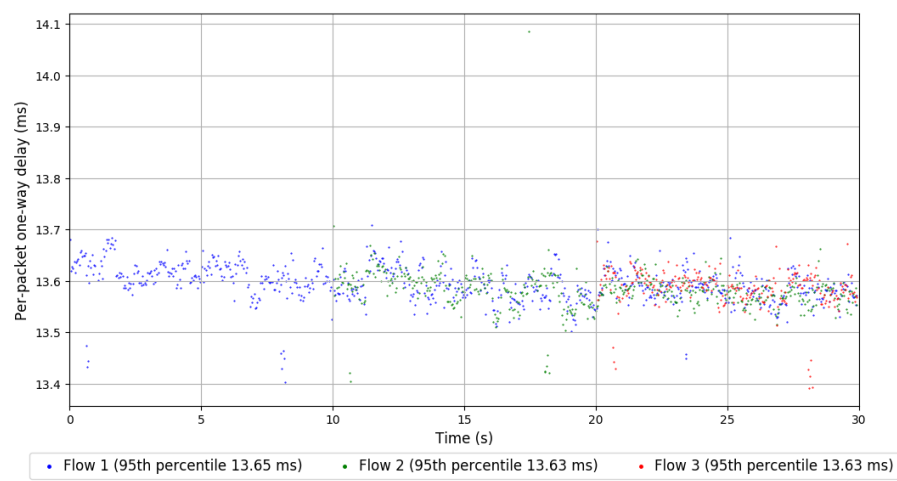
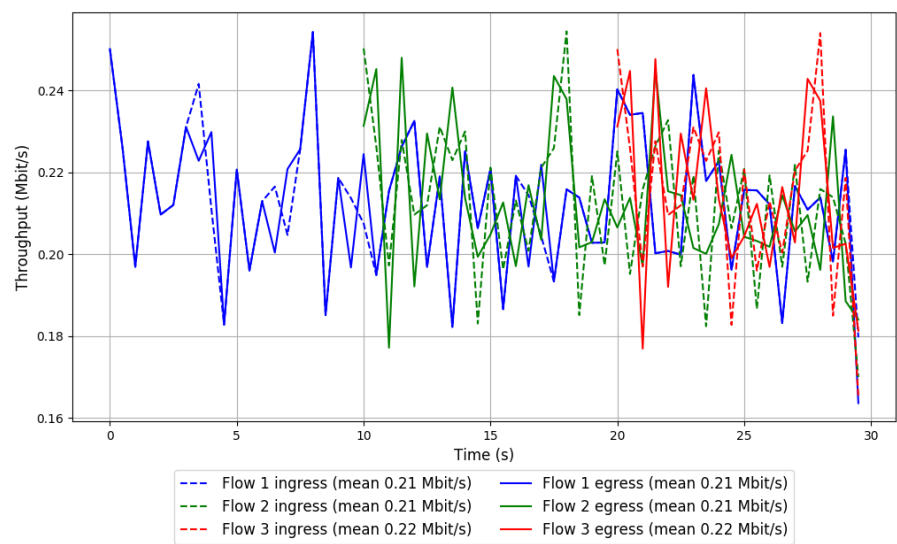


Run 6: Statistics of SCReAM

Start at: 2018-02-28 01:50:34
End at: 2018-02-28 01:51:04
Local clock offset: 3.913 ms
Remote clock offset: -5.832 ms

Below is generated by plot.py at 2018-02-28 07:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 13.642 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.651 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.629 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 13.628 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

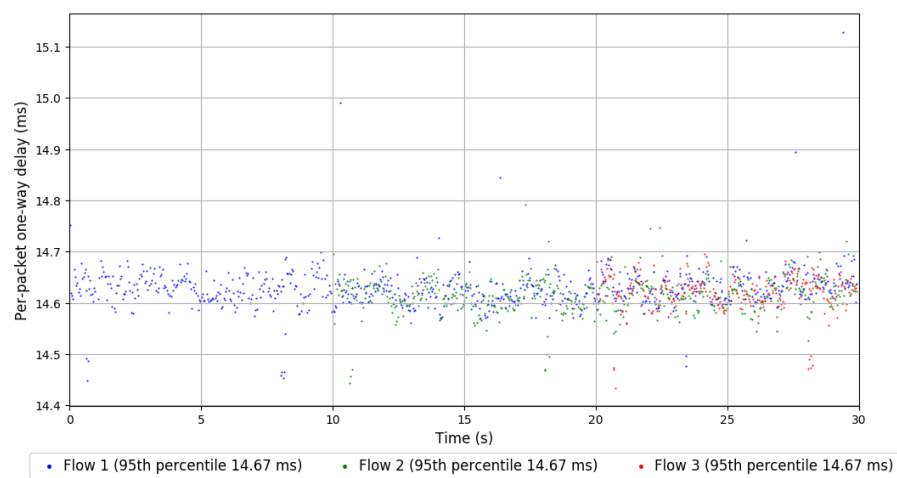
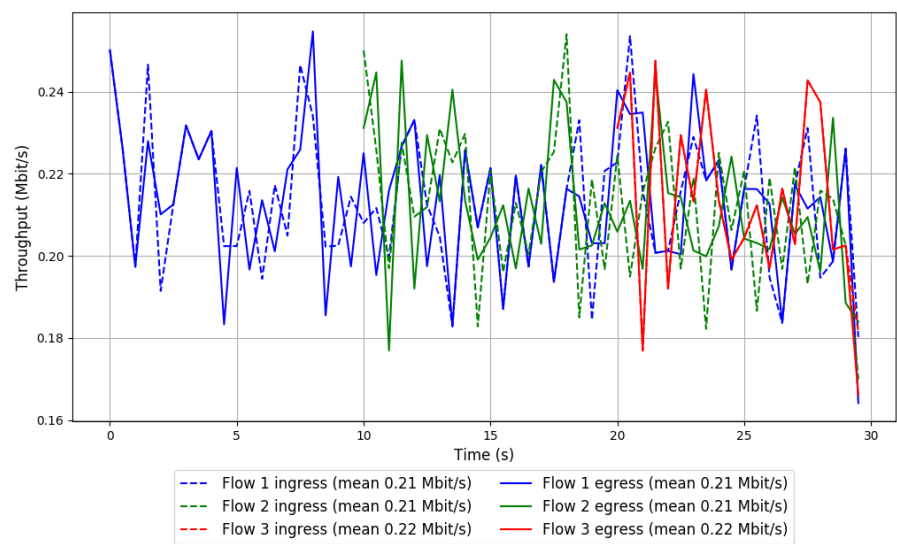


Run 7: Statistics of SReAM

Start at: 2018-02-28 02:11:44
End at: 2018-02-28 02:12:14
Local clock offset: 3.663 ms
Remote clock offset: -8.145 ms

Below is generated by plot.py at 2018-02-28 07:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 14.670 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.673 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.667 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 14.669 ms
Loss rate: 0.35%

Run 7: Report of SReAM — Data Link

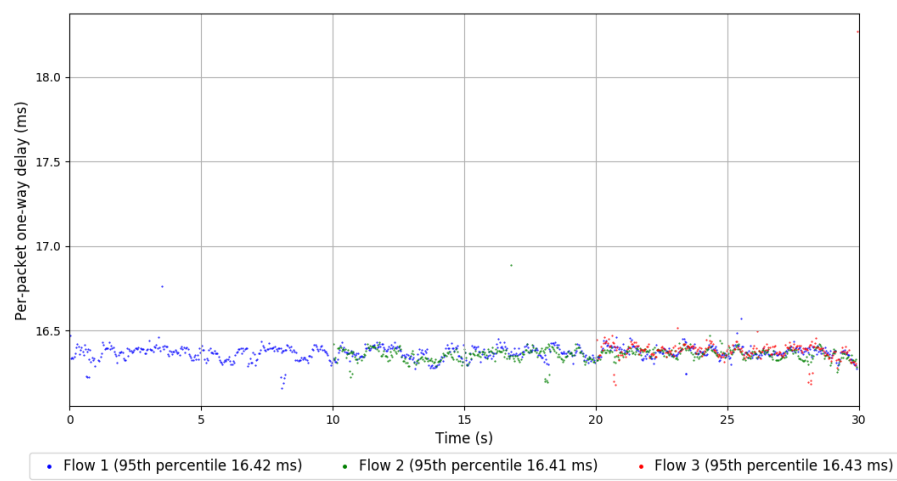
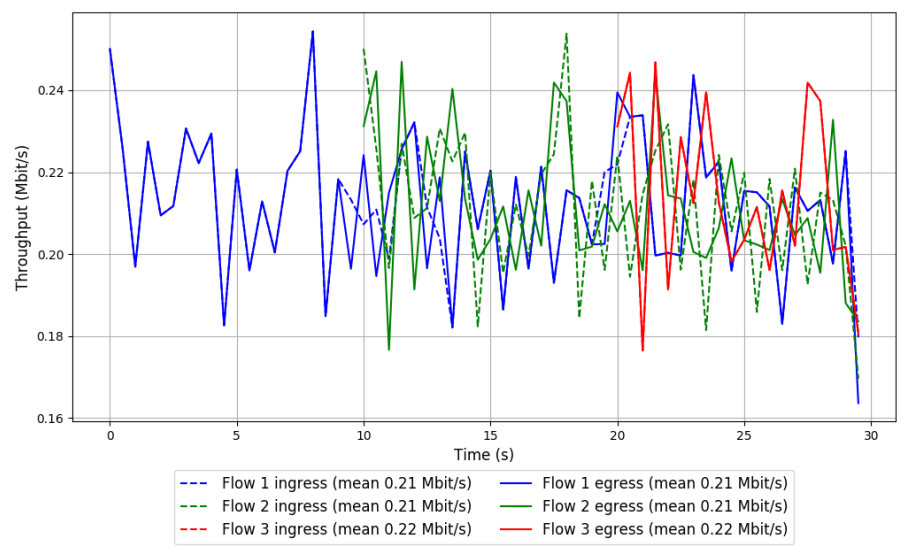


Run 8: Statistics of SReAM

Start at: 2018-02-28 02:33:20
End at: 2018-02-28 02:33:50
Local clock offset: 5.6 ms
Remote clock offset: -9.339 ms

Below is generated by plot.py at 2018-02-28 07:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 16.420 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.419 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.406 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 16.435 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

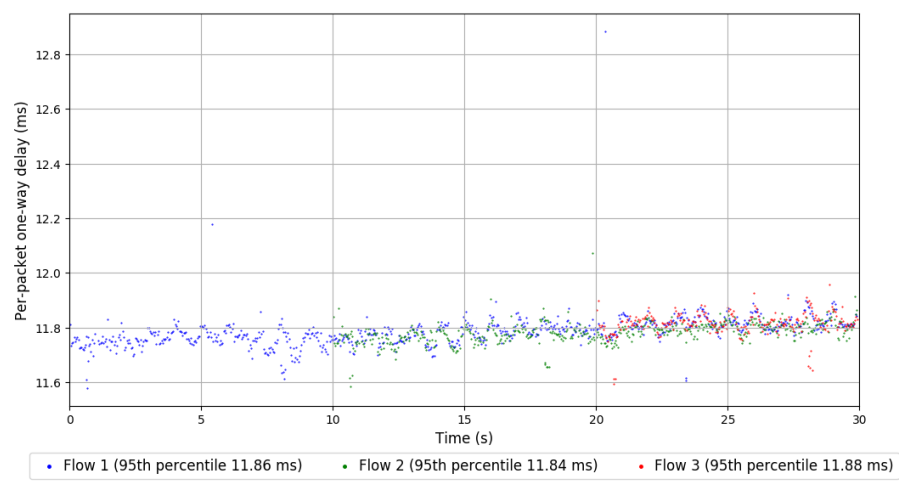
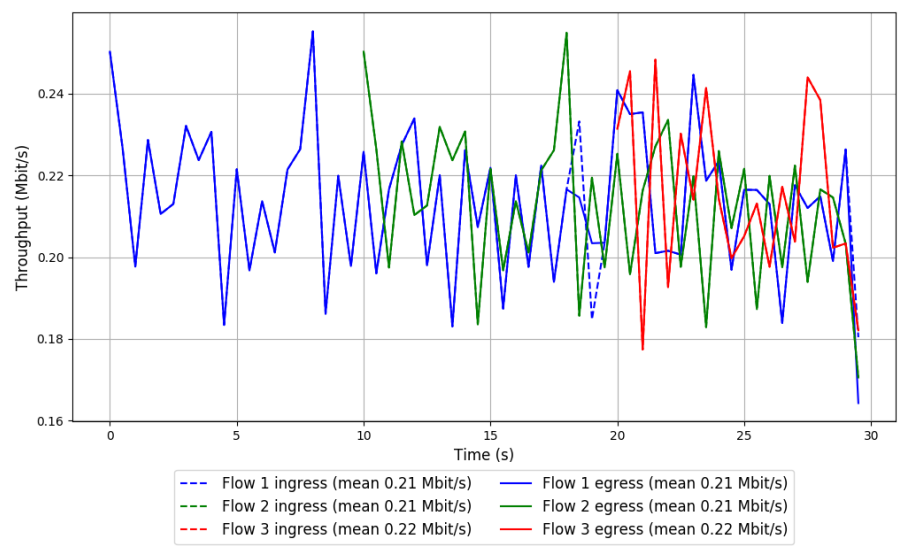


Run 9: Statistics of SReAM

Start at: 2018-02-28 02:54:48
End at: 2018-02-28 02:55:18
Local clock offset: 1.611 ms
Remote clock offset: -7.197 ms

Below is generated by plot.py at 2018-02-28 07:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 11.856 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.855 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.835 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 11.876 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

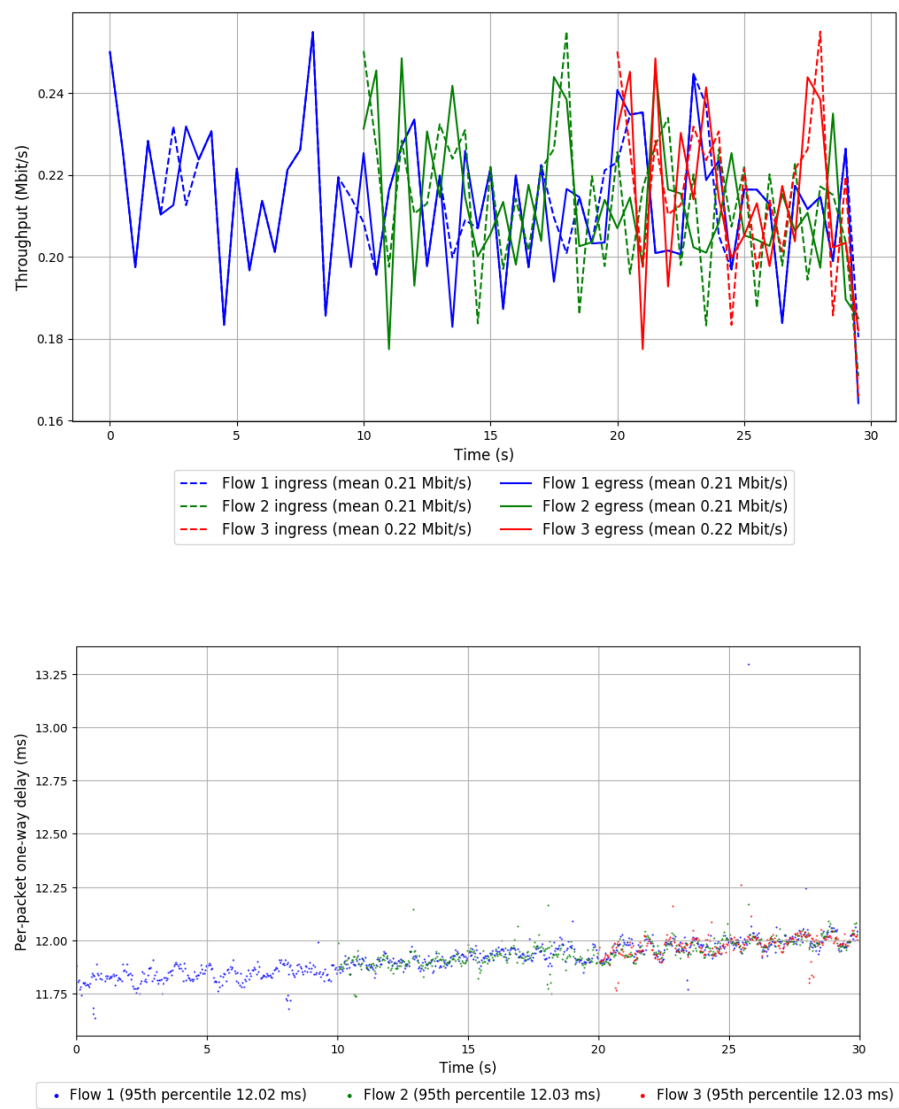


Run 10: Statistics of SReAM

Start at: 2018-02-28 03:16:01
End at: 2018-02-28 03:16:31
Local clock offset: 2.307 ms
Remote clock offset: -3.175 ms

Below is generated by plot.py at 2018-02-28 07:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 12.028 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.022 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.031 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 12.031 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

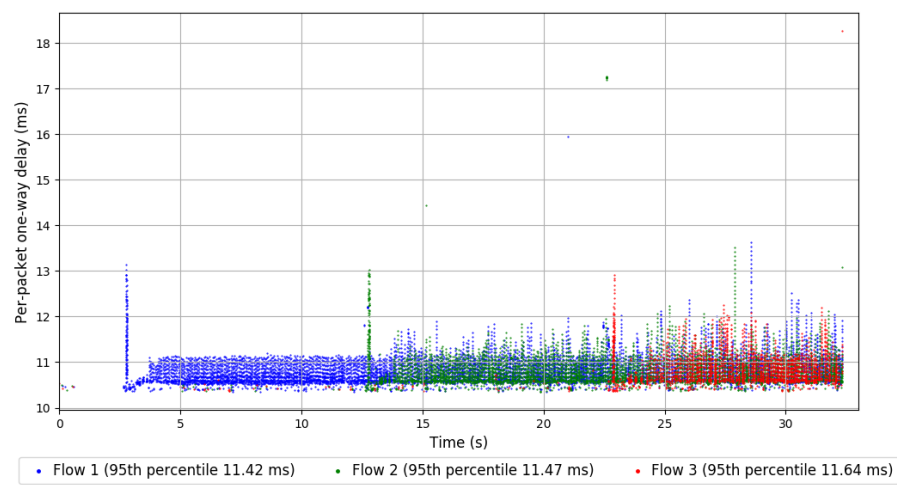
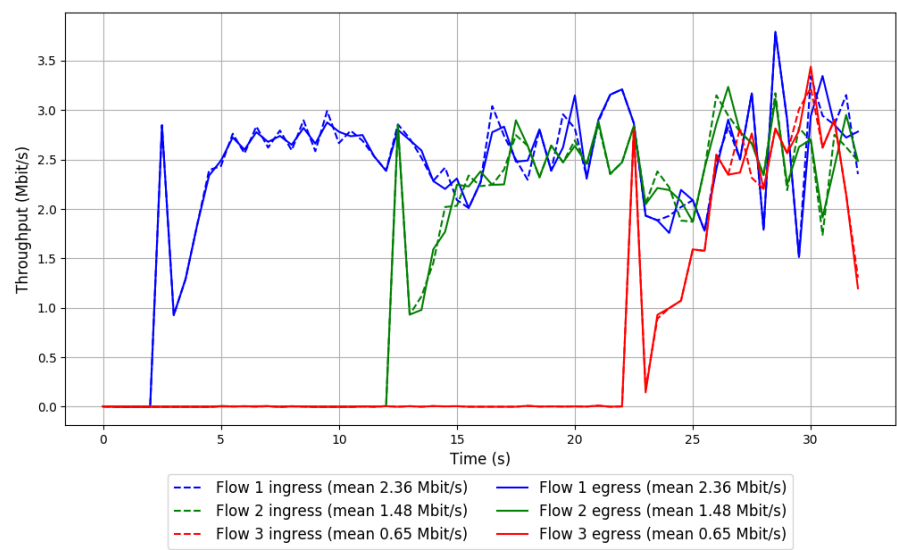


Run 1: Statistics of WebRTC media

Start at: 2018-02-28 00:16:57
End at: 2018-02-28 00:17:27
Local clock offset: 1.81 ms
Remote clock offset: -1.316 ms

Below is generated by plot.py at 2018-02-28 07:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 11.477 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 11.416 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 11.473 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 11.637 ms
Loss rate: 0.27%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-02-28 00:38:01

End at: 2018-02-28 00:38:31

Local clock offset: 2.887 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-02-28 07:18:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.45 Mbit/s

95th percentile per-packet one-way delay: 14.701 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 14.598 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 14.738 ms

Loss rate: 0.46%

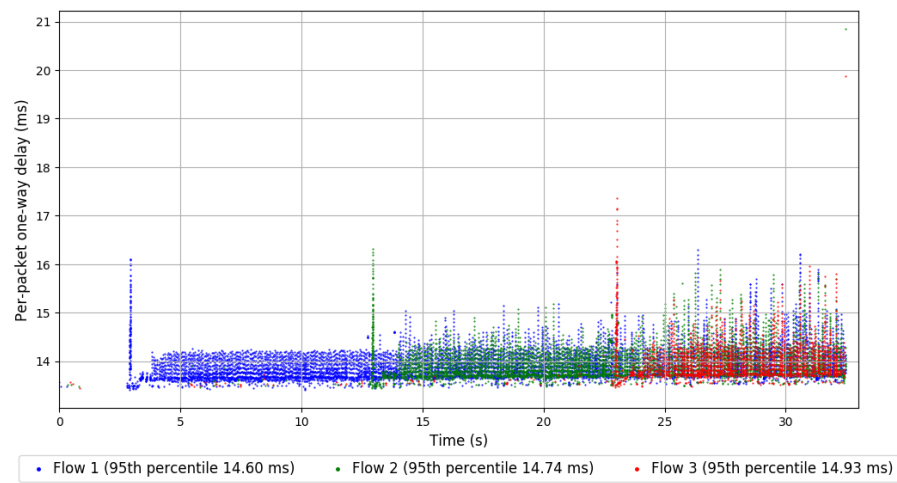
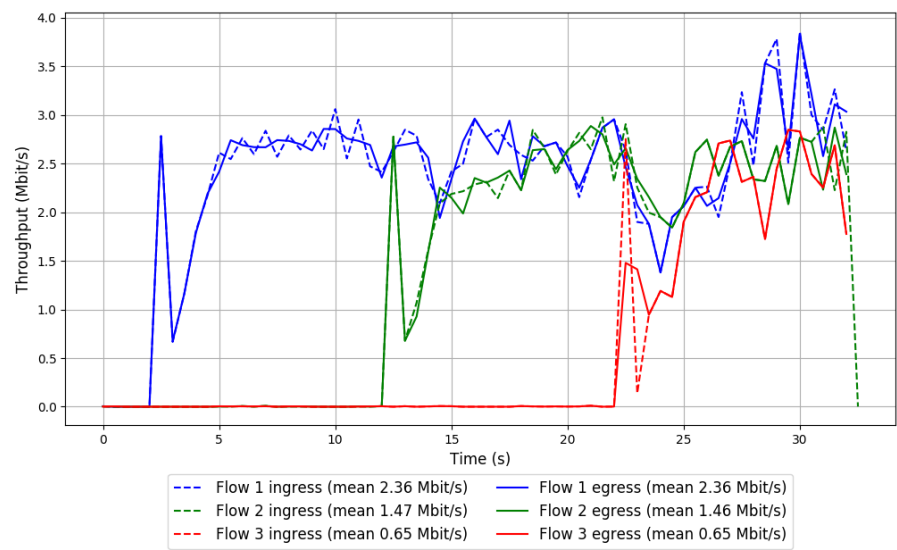
-- Flow 3:

Average throughput: 0.65 Mbit/s

95th percentile per-packet one-way delay: 14.926 ms

Loss rate: 0.01%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-02-28 00:59:04

End at: 2018-02-28 00:59:34

Local clock offset: 4.255 ms

Remote clock offset: 0.754 ms

Below is generated by plot.py at 2018-02-28 07:18:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.43 Mbit/s

95th percentile per-packet one-way delay: 14.522 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 14.467 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 1.47 Mbit/s

95th percentile per-packet one-way delay: 14.604 ms

Loss rate: 0.01%

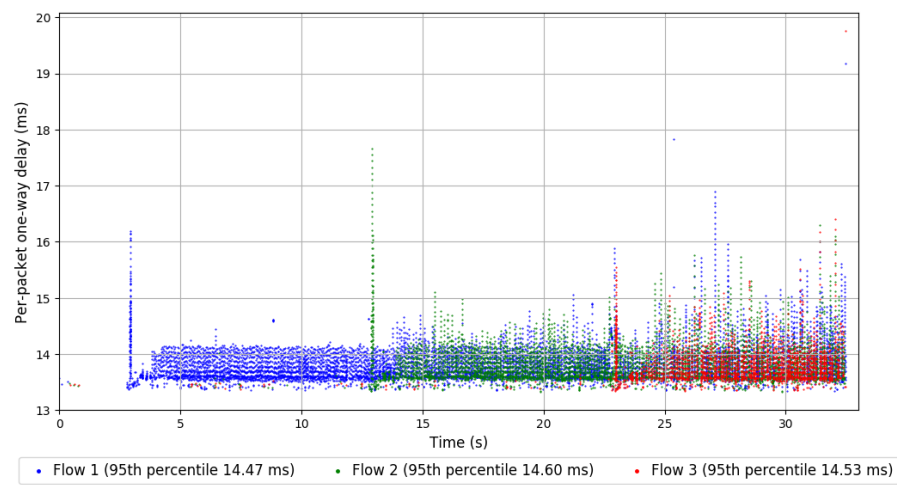
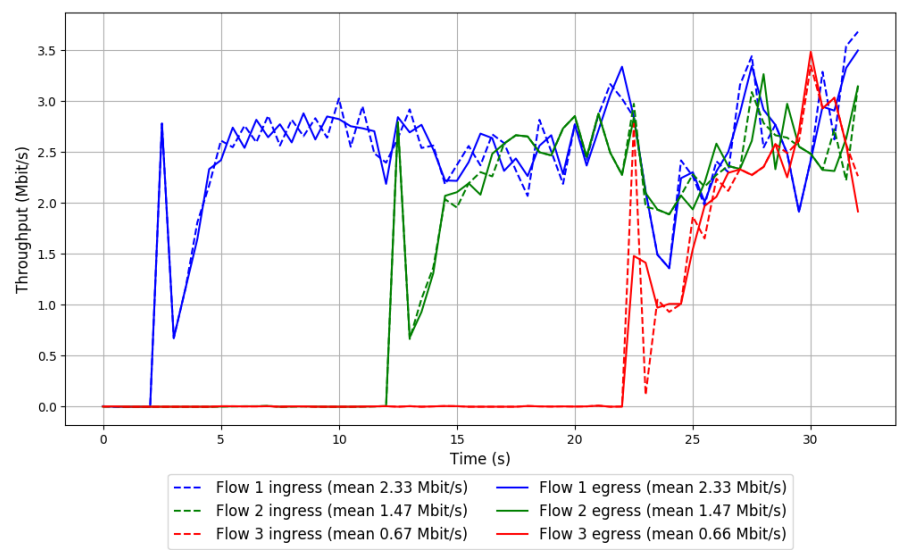
-- Flow 3:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 14.530 ms

Loss rate: 0.82%

Run 3: Report of WebRTC media — Data Link

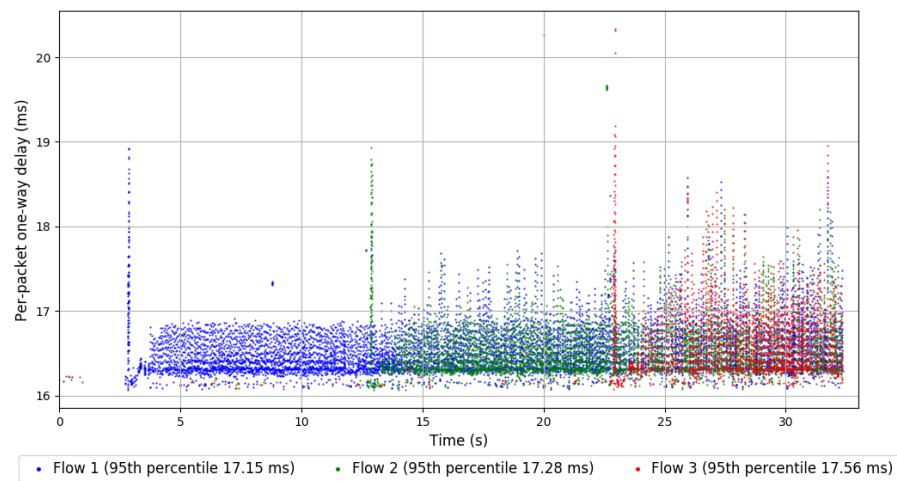
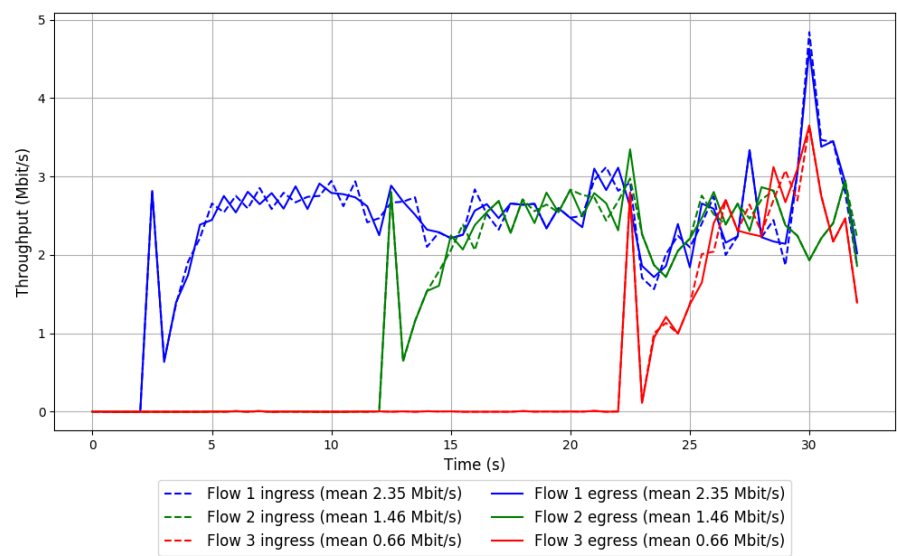


Run 4: Statistics of WebRTC media

Start at: 2018-02-28 01:20:12
End at: 2018-02-28 01:20:42
Local clock offset: 5.856 ms
Remote clock offset: -1.936 ms

Below is generated by plot.py at 2018-02-28 07:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 17.270 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 17.148 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 17.282 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 17.564 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

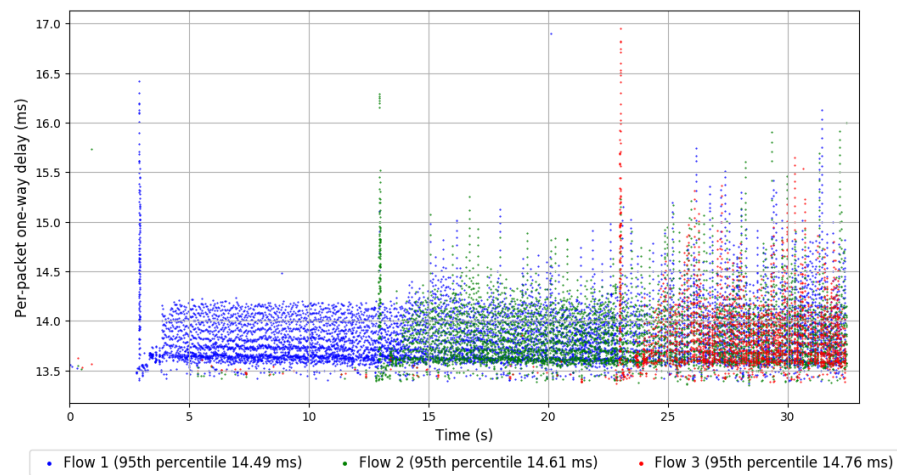
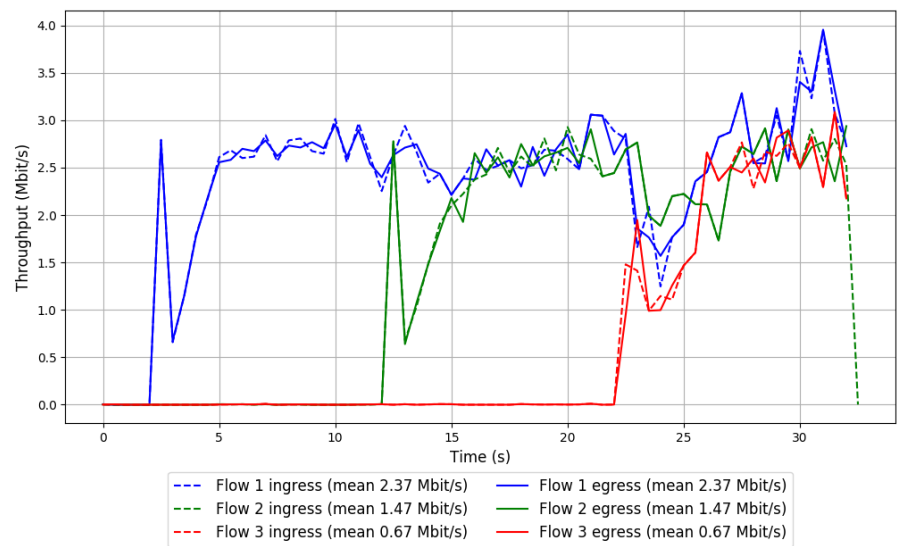


Run 5: Statistics of WebRTC media

Start at: 2018-02-28 01:41:17
End at: 2018-02-28 01:41:47
Local clock offset: 3.264 ms
Remote clock offset: -5.642 ms

Below is generated by plot.py at 2018-02-28 07:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 14.562 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 14.490 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 14.610 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 14.762 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

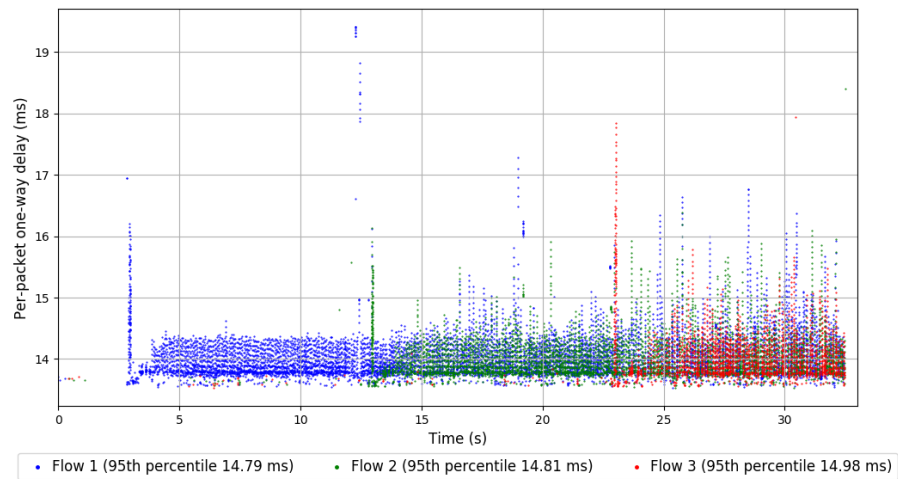
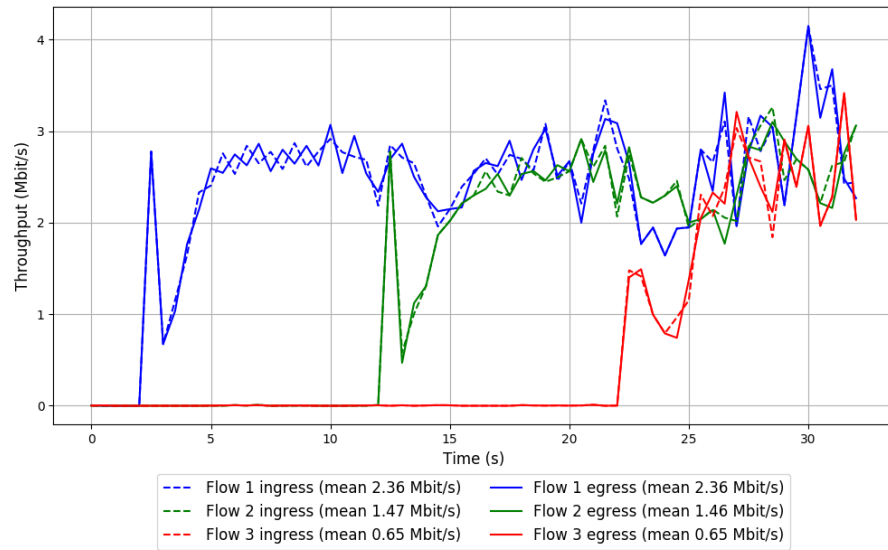


Run 6: Statistics of WebRTC media

Start at: 2018-02-28 02:02:25
End at: 2018-02-28 02:02:55
Local clock offset: 3.187 ms
Remote clock offset: -7.165 ms

Below is generated by plot.py at 2018-02-28 07:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 14.824 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 14.789 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 14.814 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 14.979 ms
Loss rate: 0.01%

Run 6: Report of WebRTC media — Data Link

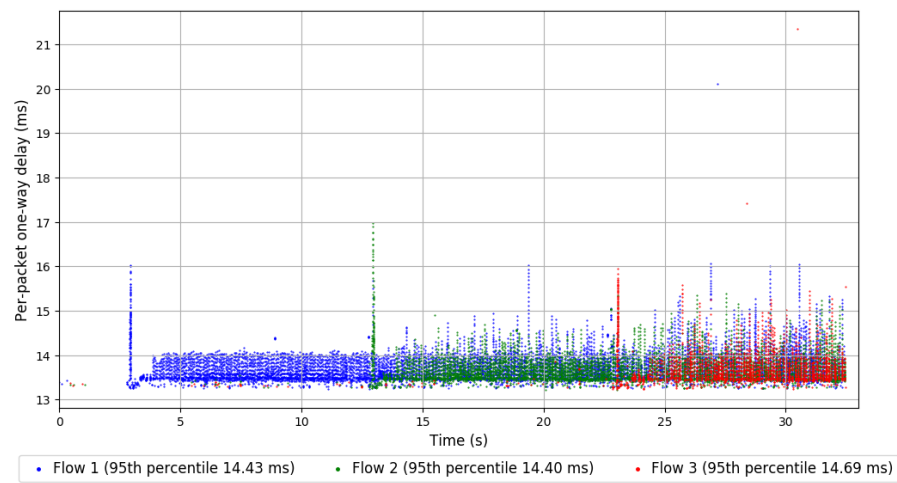
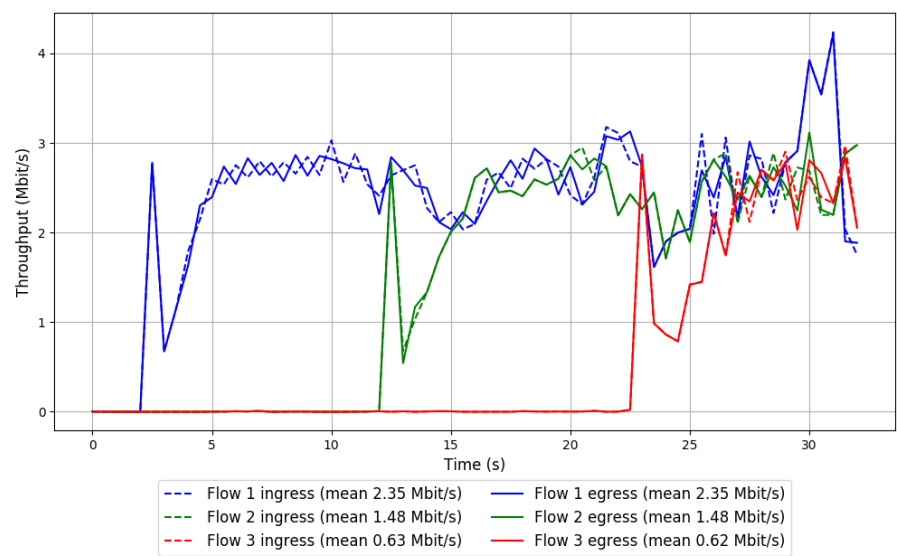


Run 7: Statistics of WebRTC media

Start at: 2018-02-28 02:23:59
End at: 2018-02-28 02:24:29
Local clock offset: 2.692 ms
Remote clock offset: -8.774 ms

Below is generated by plot.py at 2018-02-28 07:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 14.461 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 14.426 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 14.400 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 14.691 ms
Loss rate: 0.33%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-02-28 02:45:34

End at: 2018-02-28 02:46:04

Local clock offset: 3.952 ms

Remote clock offset: -6.95 ms

Below is generated by plot.py at 2018-02-28 07:18:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.46 Mbit/s

95th percentile per-packet one-way delay: 15.497 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 15.581 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 1.47 Mbit/s

95th percentile per-packet one-way delay: 15.435 ms

Loss rate: 0.33%

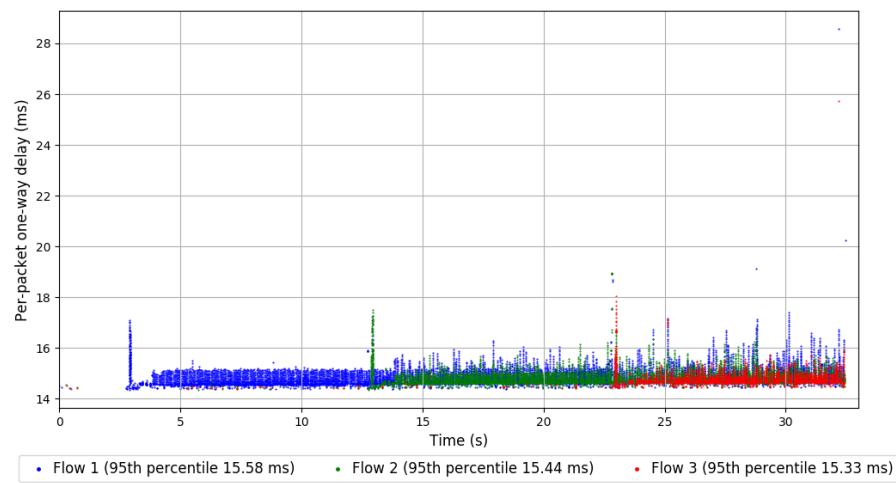
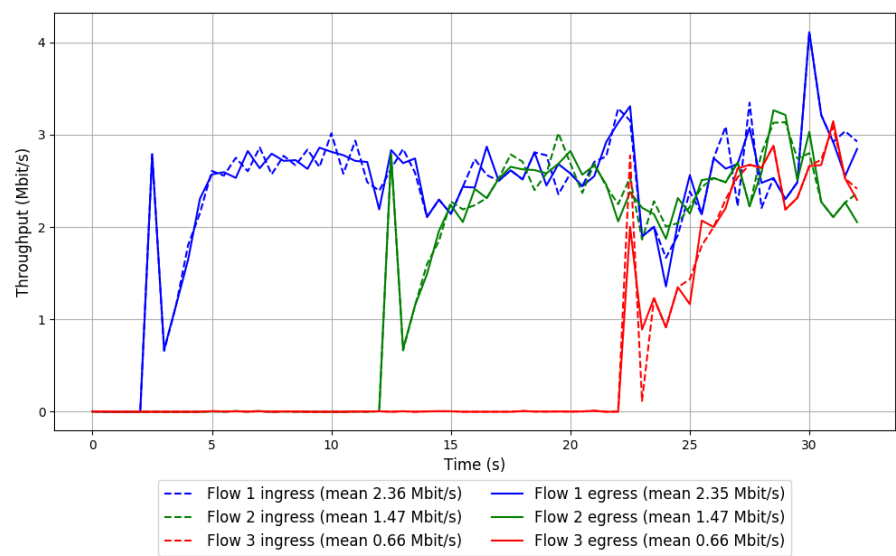
-- Flow 3:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 15.327 ms

Loss rate: 0.28%

Run 8: Report of WebRTC media — Data Link

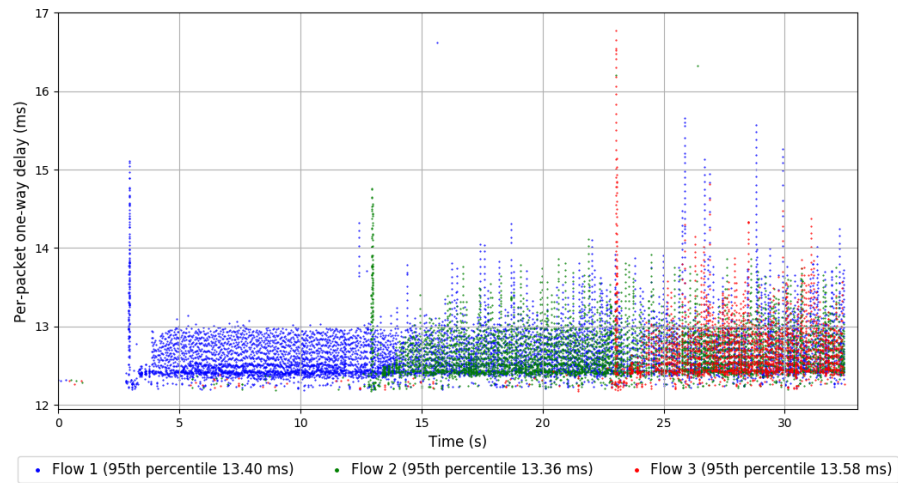
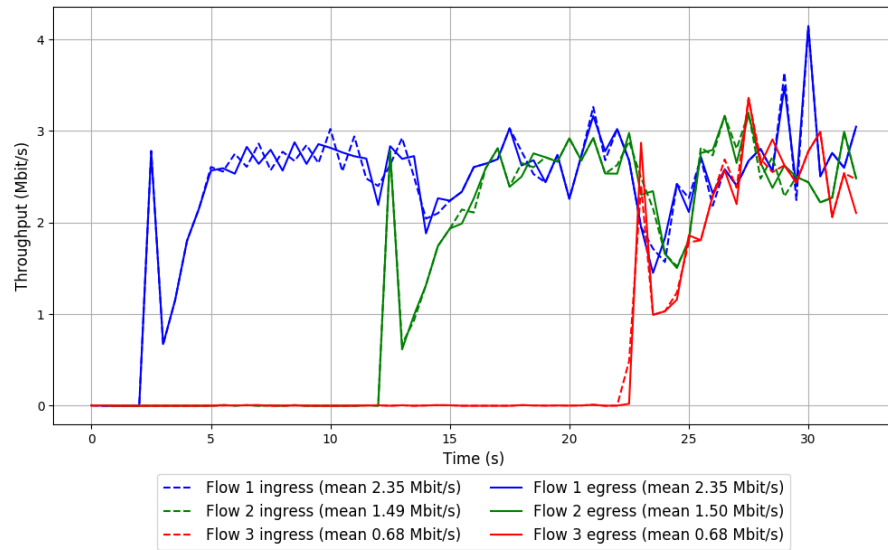


Run 9: Statistics of WebRTC media

Start at: 2018-02-28 03:06:41
End at: 2018-02-28 03:07:11
Local clock offset: 3.479 ms
Remote clock offset: -5.297 ms

Below is generated by plot.py at 2018-02-28 07:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 13.411 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 13.403 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 13.364 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 13.579 ms
Loss rate: 0.84%

Run 9: Report of WebRTC media — Data Link

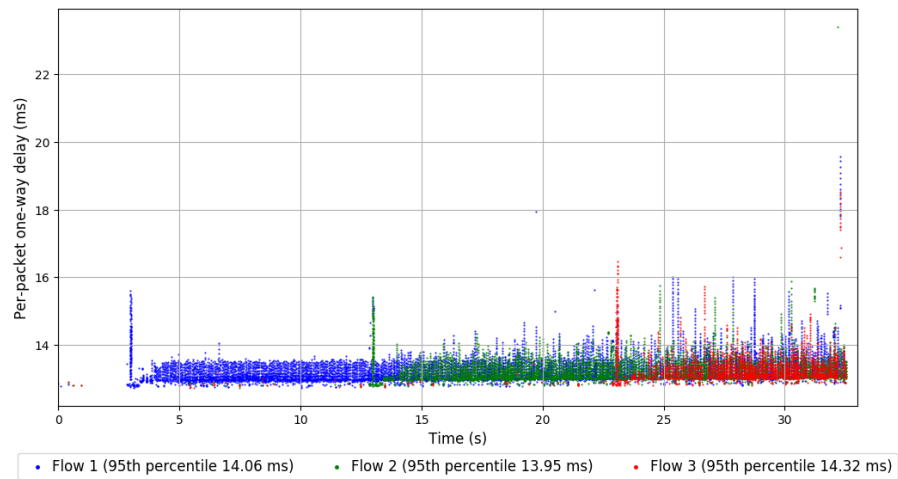
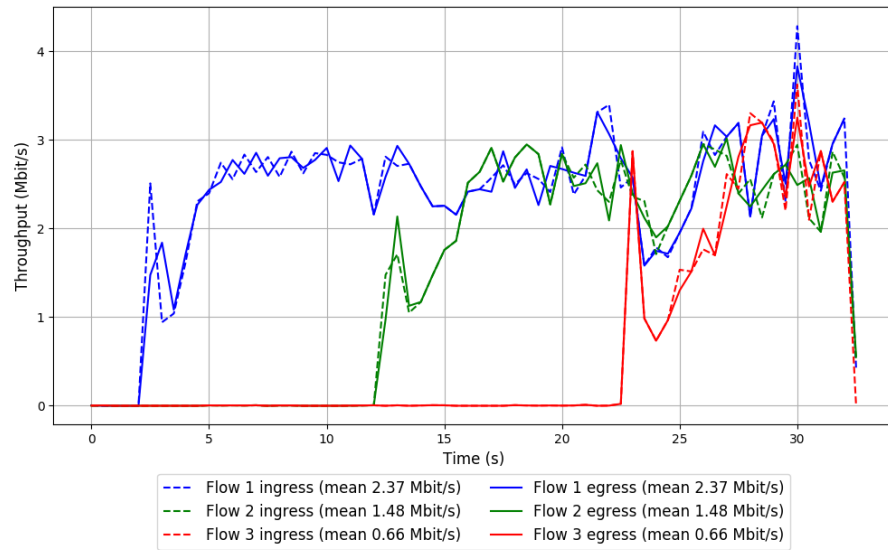


Run 10: Statistics of WebRTC media

Start at: 2018-02-28 03:27:57
End at: 2018-02-28 03:28:27
Local clock offset: 3.481 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-02-28 07:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 14.053 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 14.062 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 13.947 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 14.323 ms
Loss rate: 0.01%

Run 10: Report of WebRTC media — Data Link

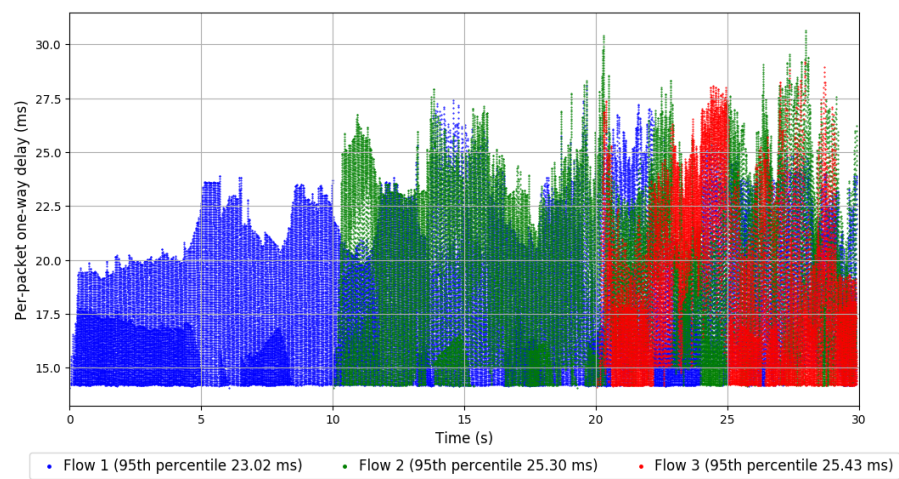
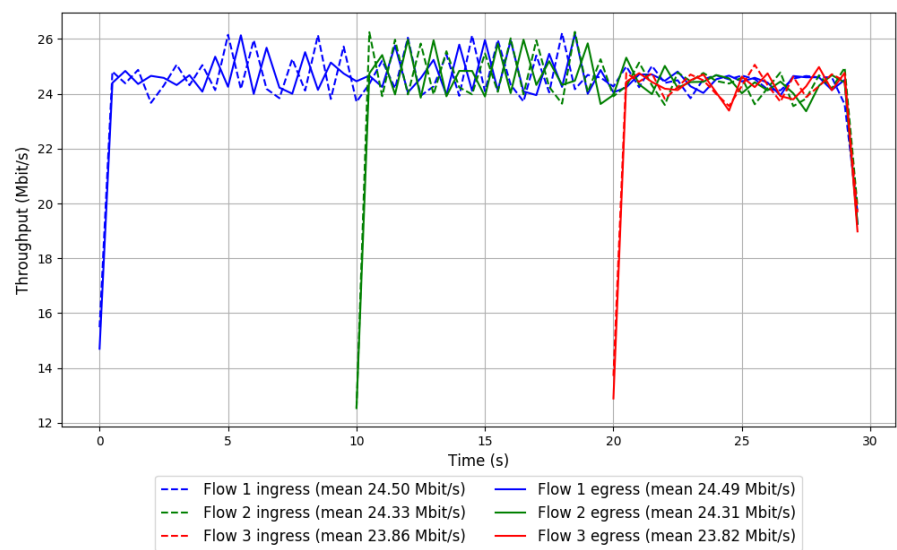


Run 1: Statistics of Sprout

Start at: 2018-02-28 00:04:01
End at: 2018-02-28 00:04:31
Local clock offset: 5.41 ms
Remote clock offset: -1.135 ms

Below is generated by plot.py at 2018-02-28 07:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.51 Mbit/s
95th percentile per-packet one-way delay: 24.454 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 23.021 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 25.296 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 23.82 Mbit/s
95th percentile per-packet one-way delay: 25.431 ms
Loss rate: 0.33%

Run 1: Report of Sprout — Data Link

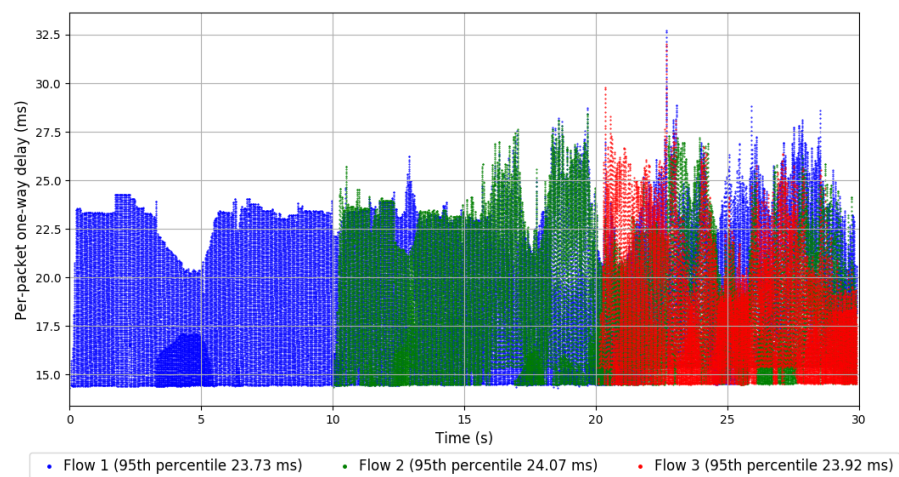
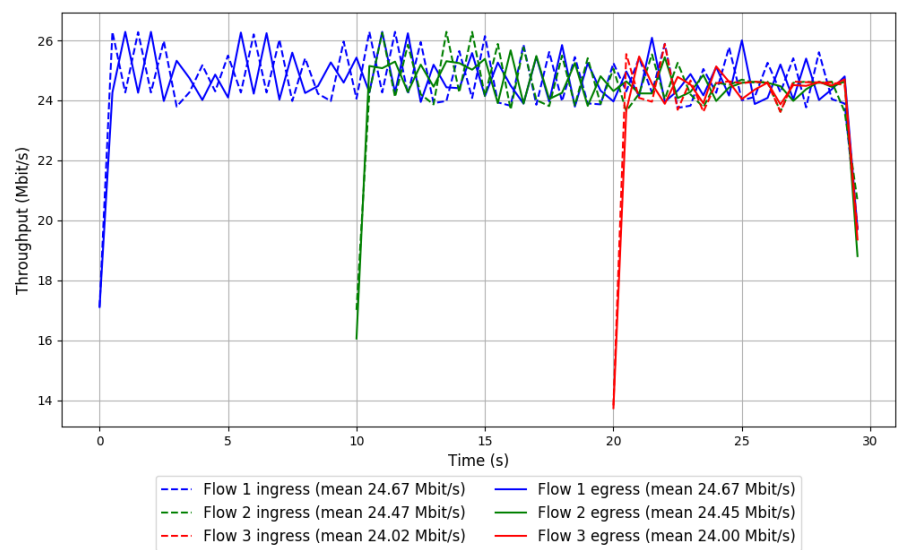


Run 2: Statistics of Sprout

Start at: 2018-02-28 00:25:04
End at: 2018-02-28 00:25:34
Local clock offset: 4.329 ms
Remote clock offset: -1.471 ms

Below is generated by plot.py at 2018-02-28 07:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.83 Mbit/s
95th percentile per-packet one-way delay: 23.872 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 23.732 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 24.075 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 23.923 ms
Loss rate: 0.25%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-02-28 00:46:07

End at: 2018-02-28 00:46:37

Local clock offset: 2.516 ms

Remote clock offset: 1.533 ms

Below is generated by plot.py at 2018-02-28 07:18:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.70 Mbit/s

95th percentile per-packet one-way delay: 21.377 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 24.58 Mbit/s

95th percentile per-packet one-way delay: 21.119 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 24.30 Mbit/s

95th percentile per-packet one-way delay: 20.868 ms

Loss rate: 0.11%

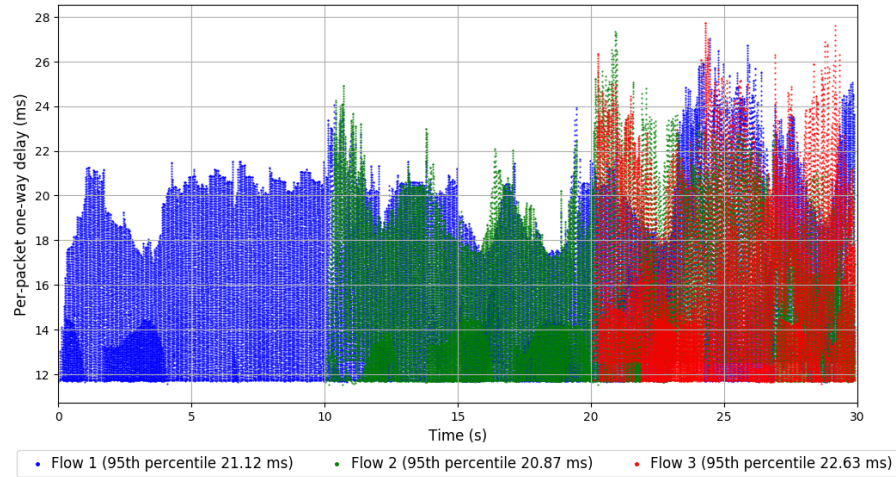
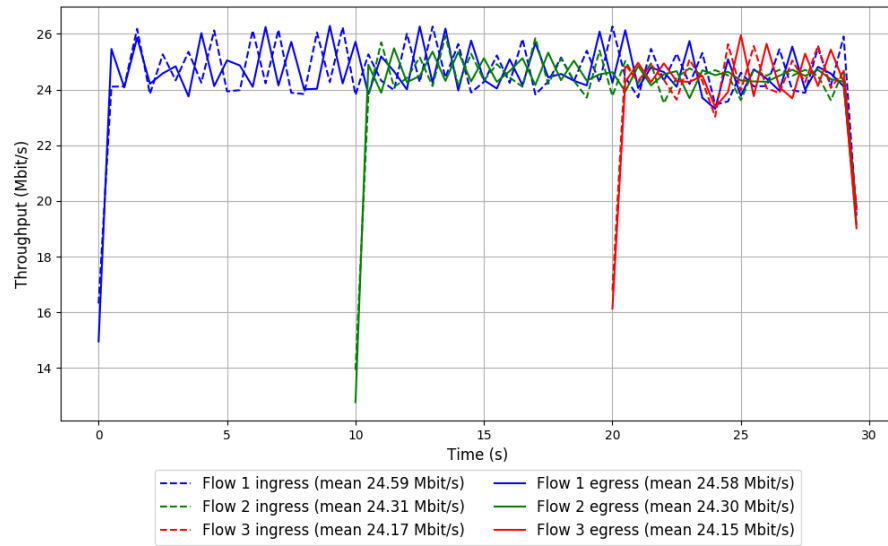
-- Flow 3:

Average throughput: 24.15 Mbit/s

95th percentile per-packet one-way delay: 22.628 ms

Loss rate: 0.29%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-02-28 01:07:15

End at: 2018-02-28 01:07:45

Local clock offset: 3.185 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-02-28 07:18:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.36 Mbit/s

95th percentile per-packet one-way delay: 21.088 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 24.28 Mbit/s

95th percentile per-packet one-way delay: 19.914 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 24.25 Mbit/s

95th percentile per-packet one-way delay: 22.128 ms

Loss rate: 0.00%

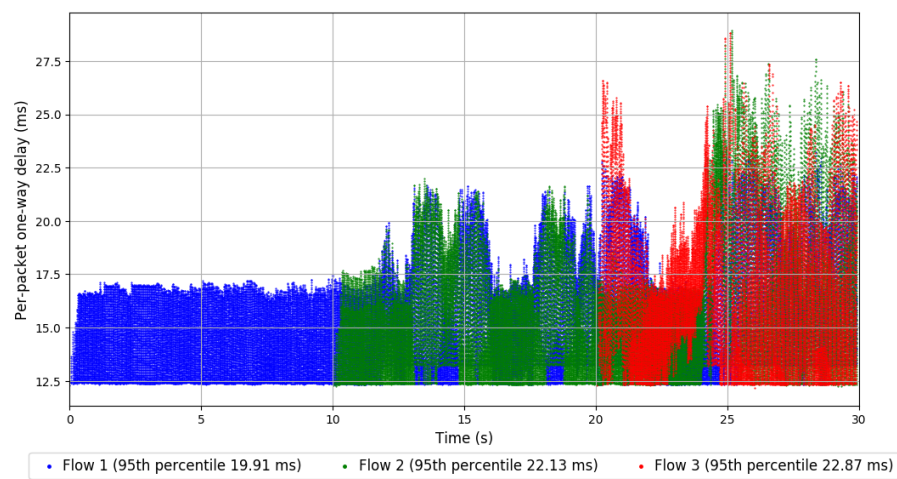
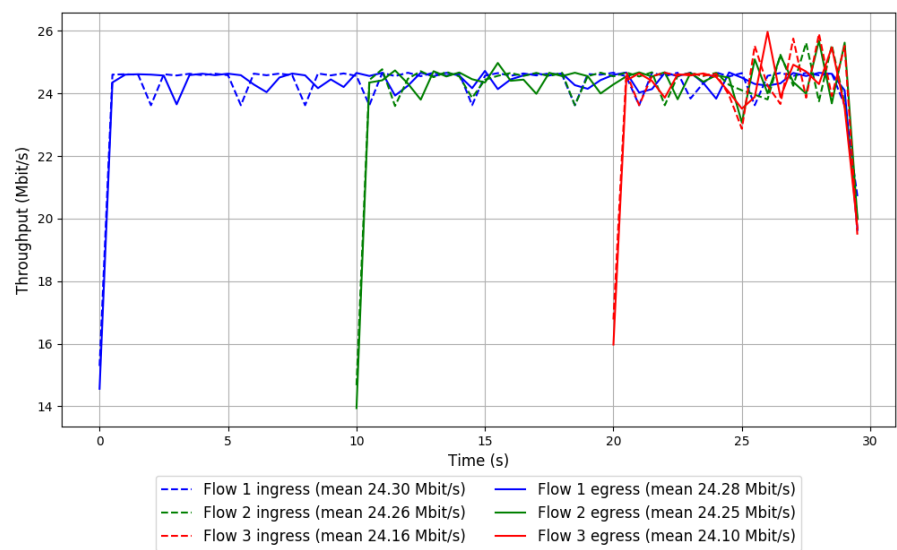
-- Flow 3:

Average throughput: 24.10 Mbit/s

95th percentile per-packet one-way delay: 22.869 ms

Loss rate: 0.36%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-02-28 01:28:17

End at: 2018-02-28 01:28:47

Local clock offset: 4.446 ms

Remote clock offset: -1.03 ms

Below is generated by plot.py at 2018-02-28 07:18:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.35 Mbit/s

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

Loss rate: 0.10%

-- Flow 1:

Average throughput: 24.29 Mbit/s

95th percentile per-packet one-way delay: 20.359 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 24.35 Mbit/s

95th percentile per-packet one-way delay: 22.856 ms

Loss rate: 0.11%

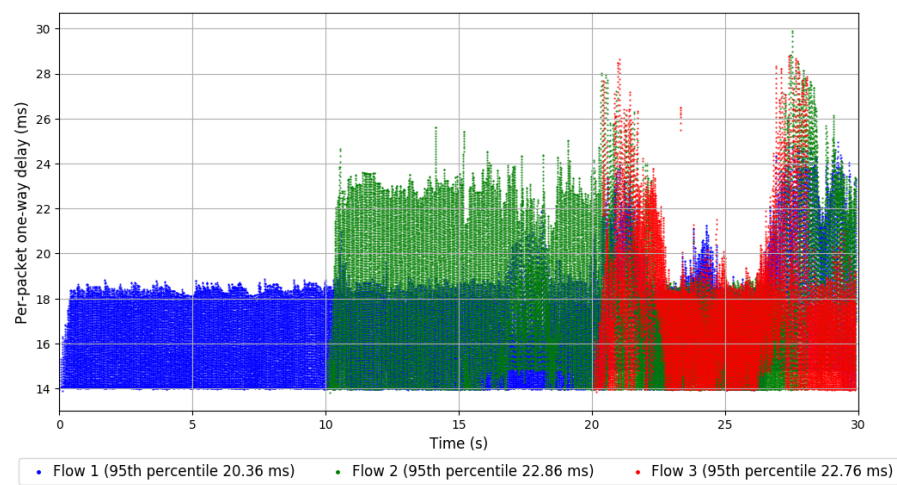
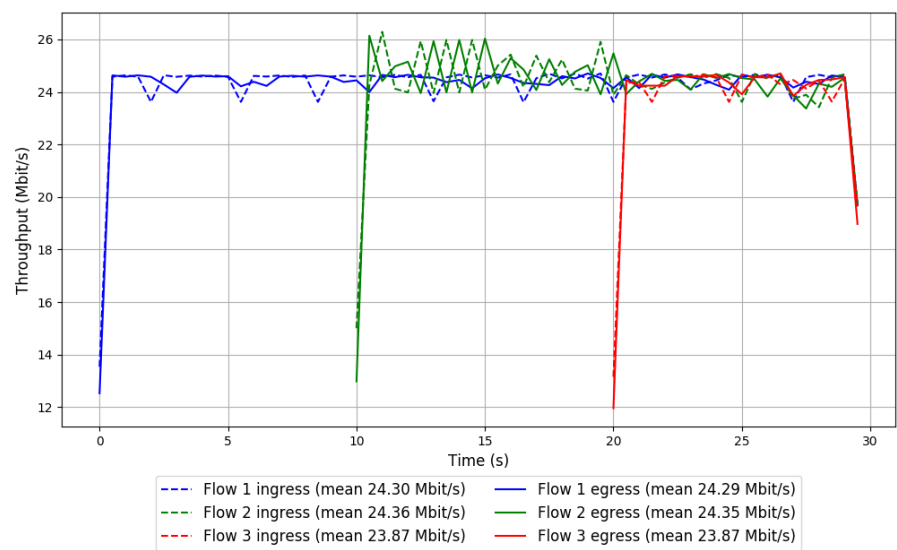
-- Flow 3:

Average throughput: 23.87 Mbit/s

95th percentile per-packet one-way delay: 22.759 ms

Loss rate: 0.19%

Run 5: Report of Sprout — Data Link

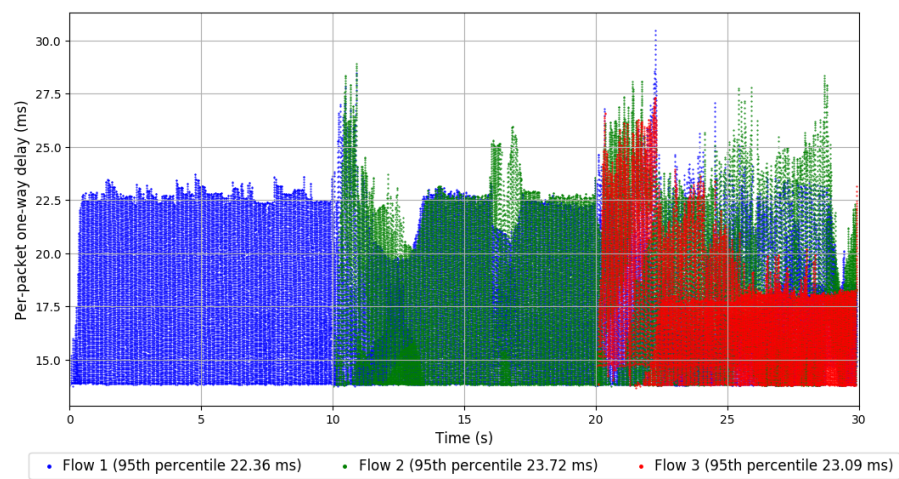
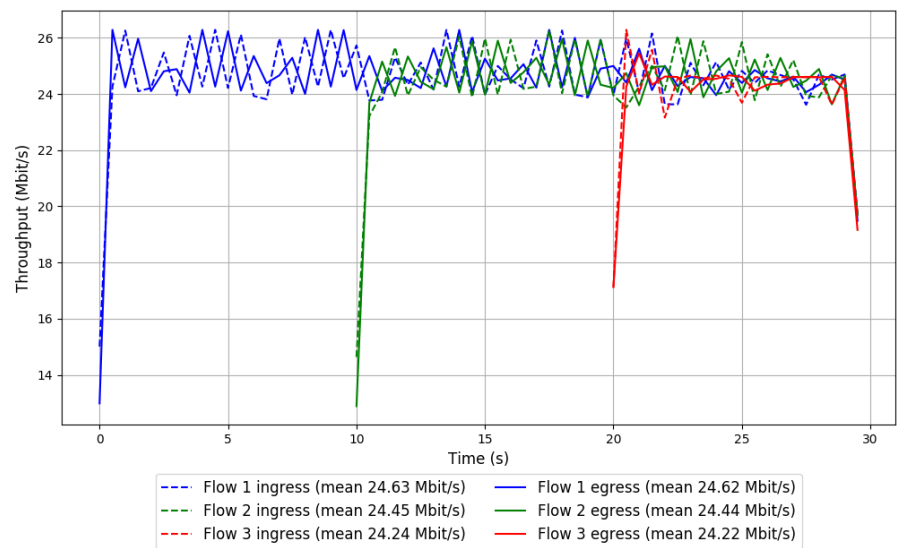


Run 6: Statistics of Sprout

Start at: 2018-02-28 01:49:27
End at: 2018-02-28 01:49:57
Local clock offset: 3.603 ms
Remote clock offset: -6.253 ms

Below is generated by plot.py at 2018-02-28 07:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.85 Mbit/s
95th percentile per-packet one-way delay: 22.790 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 22.357 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 24.44 Mbit/s
95th percentile per-packet one-way delay: 23.720 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 23.092 ms
Loss rate: 0.20%

Run 6: Report of Sprout — Data Link

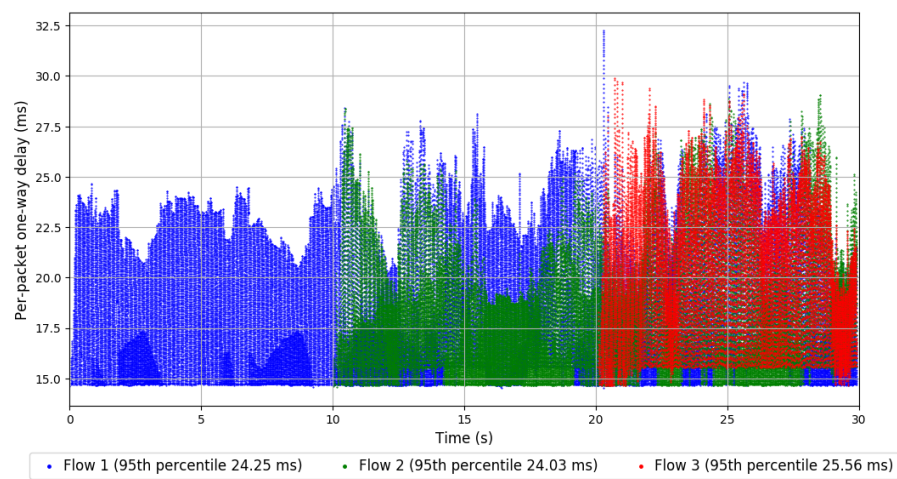
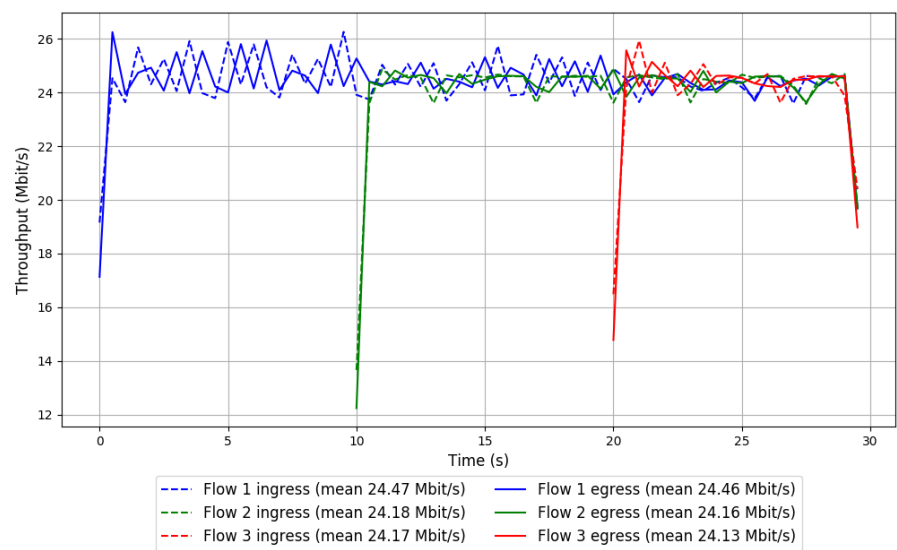


Run 7: Statistics of Sprout

Start at: 2018-02-28 02:10:36
End at: 2018-02-28 02:11:06
Local clock offset: 3.998 ms
Remote clock offset: -7.864 ms

Below is generated by plot.py at 2018-02-28 07:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.49 Mbit/s
95th percentile per-packet one-way delay: 24.579 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 24.246 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 24.033 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.13 Mbit/s
95th percentile per-packet one-way delay: 25.557 ms
Loss rate: 0.35%

Run 7: Report of Sprout — Data Link

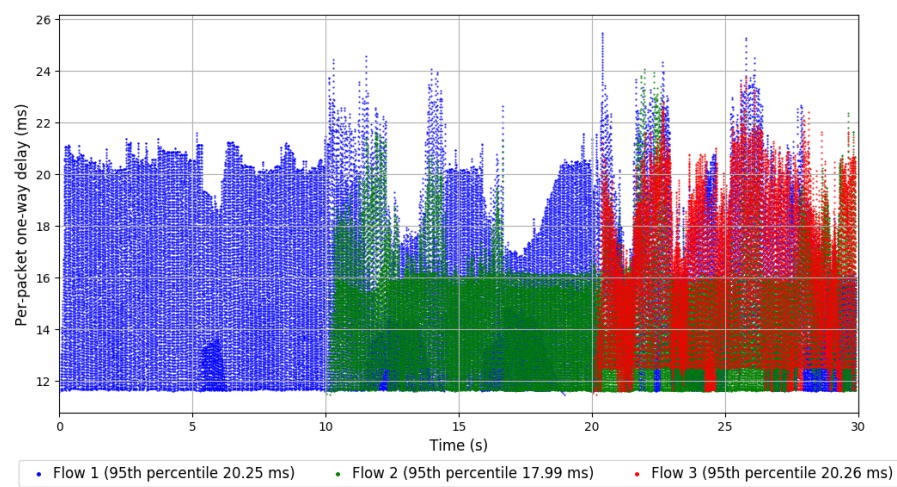
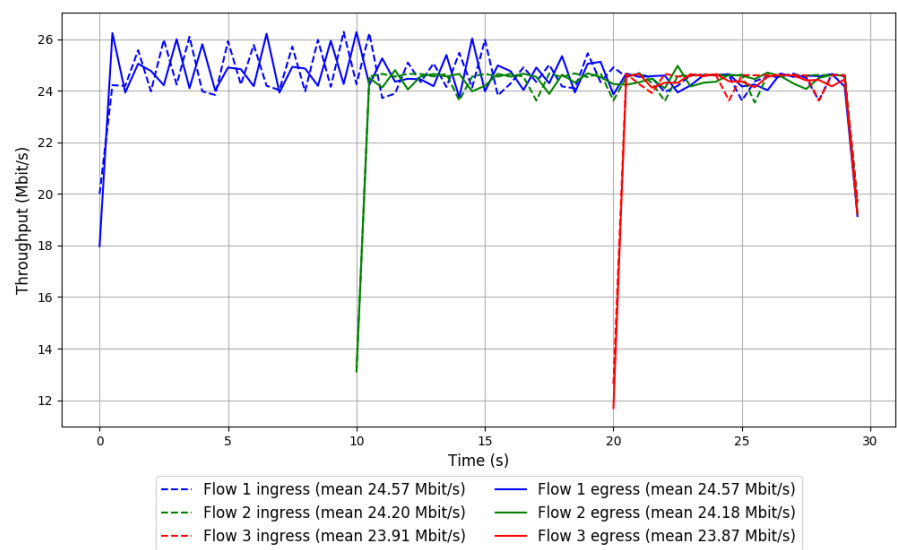


Run 8: Statistics of Sprout

Start at: 2018-02-28 02:32:13
End at: 2018-02-28 02:32:43
Local clock offset: 1.867 ms
Remote clock offset: -8.341 ms

Below is generated by plot.py at 2018-02-28 07:19:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.52 Mbit/s
95th percentile per-packet one-way delay: 19.947 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 20.246 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 17.993 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 20.262 ms
Loss rate: 0.31%

Run 8: Report of Sprout — Data Link

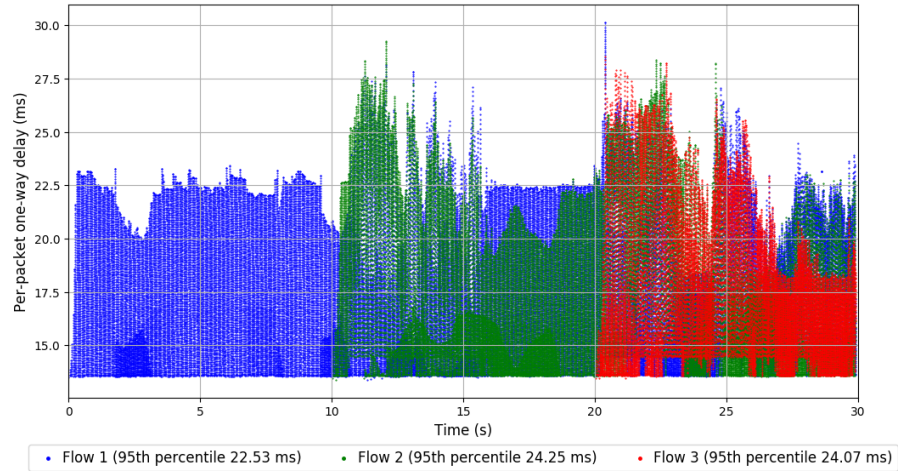
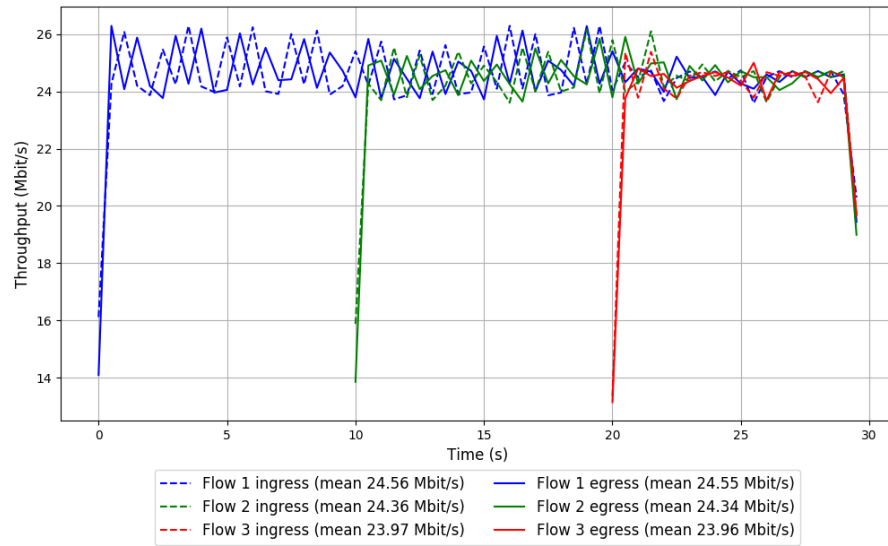


Run 9: Statistics of Sprout

Start at: 2018-02-28 02:53:41
End at: 2018-02-28 02:54:11
Local clock offset: 4.591 ms
Remote clock offset: -6.129 ms

Below is generated by plot.py at 2018-02-28 07:19:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.64 Mbit/s
95th percentile per-packet one-way delay: 23.445 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 22.534 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 24.247 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 23.96 Mbit/s
95th percentile per-packet one-way delay: 24.069 ms
Loss rate: 0.19%

Run 9: Report of Sprout — Data Link

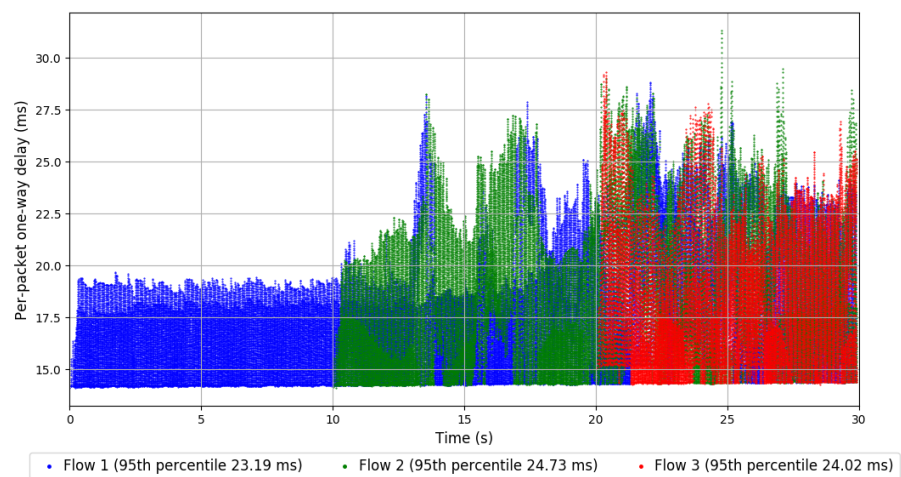
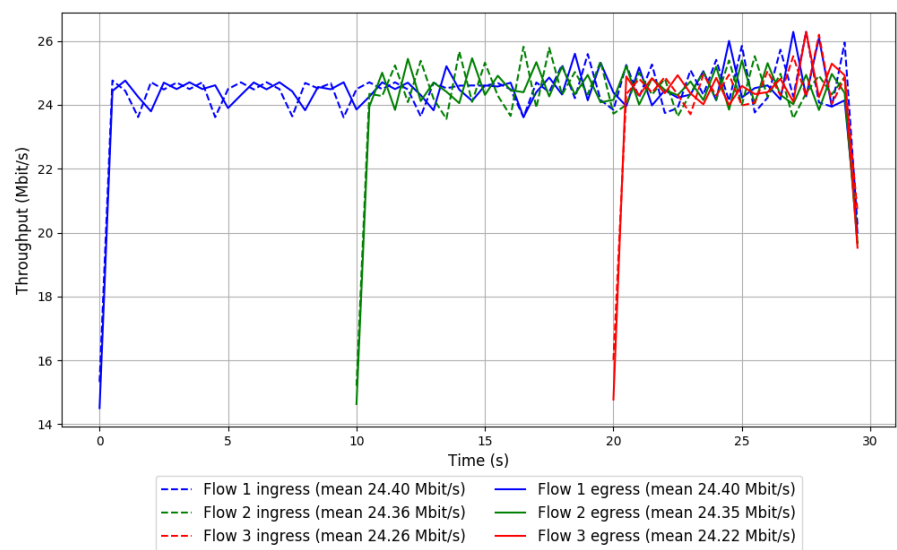


Run 10: Statistics of Sprout

Start at: 2018-02-28 03:14:54
End at: 2018-02-28 03:15:24
Local clock offset: 4.456 ms
Remote clock offset: -3.904 ms

Below is generated by plot.py at 2018-02-28 07:19:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.56 Mbit/s
95th percentile per-packet one-way delay: 23.937 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 23.191 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 24.728 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 24.022 ms
Loss rate: 0.37%

Run 10: Report of Sprout — Data Link

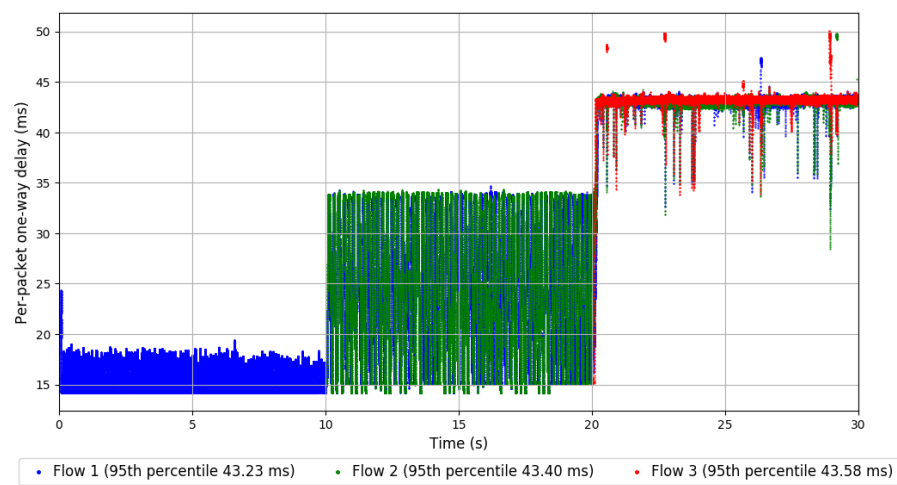
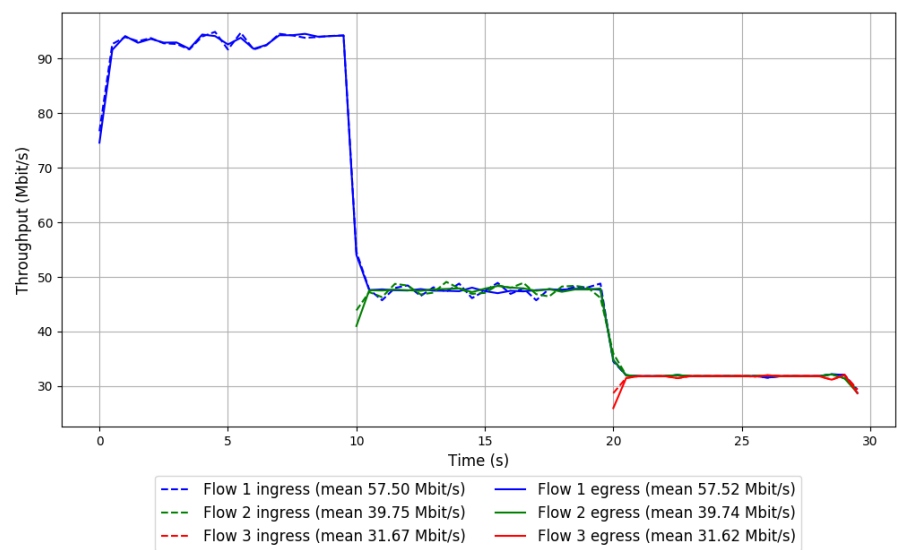


Run 1: Statistics of TaoVA-100x

Start at: 2018-02-28 00:14:30
End at: 2018-02-28 00:15:00
Local clock offset: 5.237 ms
Remote clock offset: -1.648 ms

Below is generated by plot.py at 2018-02-28 07:20:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.44 Mbit/s
95th percentile per-packet one-way delay: 43.419 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.52 Mbit/s
95th percentile per-packet one-way delay: 43.234 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 43.399 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 43.581 ms
Loss rate: 0.54%

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

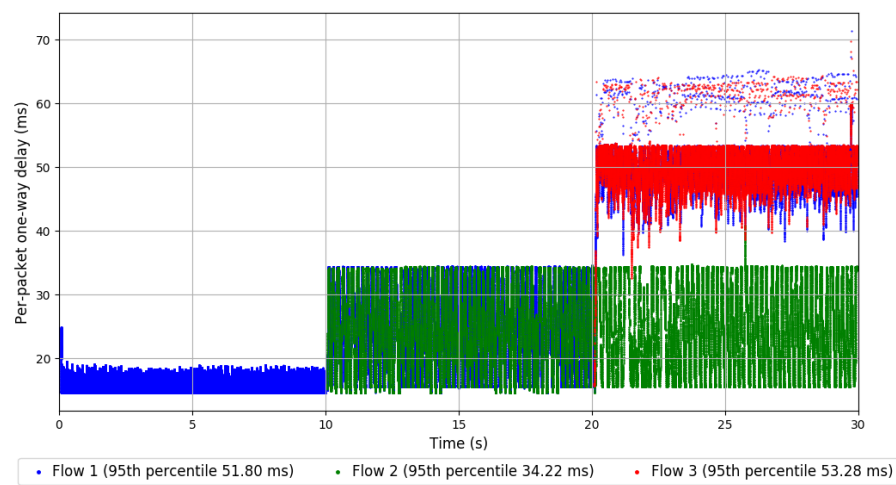
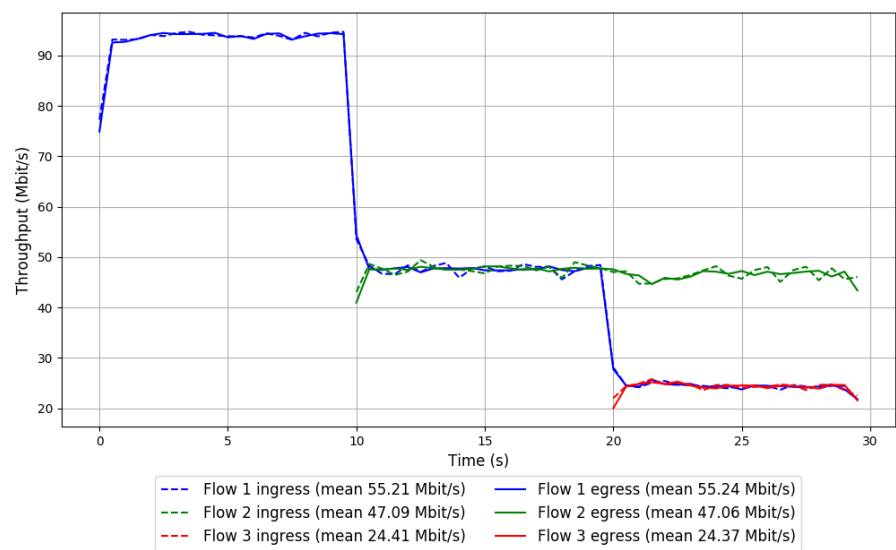


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-28 00:35:37
End at: 2018-02-28 00:36:07
Local clock offset: 4.005 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-02-28 07:20:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.61 Mbit/s
95th percentile per-packet one-way delay: 52.236 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 55.24 Mbit/s
95th percentile per-packet one-way delay: 51.798 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 47.06 Mbit/s
95th percentile per-packet one-way delay: 34.218 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 53.280 ms
Loss rate: 0.58%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-02-28 00:56:36

End at: 2018-02-28 00:57:06

Local clock offset: 6.054 ms

Remote clock offset: 1.105 ms

Below is generated by plot.py at 2018-02-28 07:20:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.51 Mbit/s

95th percentile per-packet one-way delay: 44.506 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 57.61 Mbit/s

95th percentile per-packet one-way delay: 44.382 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 39.68 Mbit/s

95th percentile per-packet one-way delay: 44.432 ms

Loss rate: 0.21%

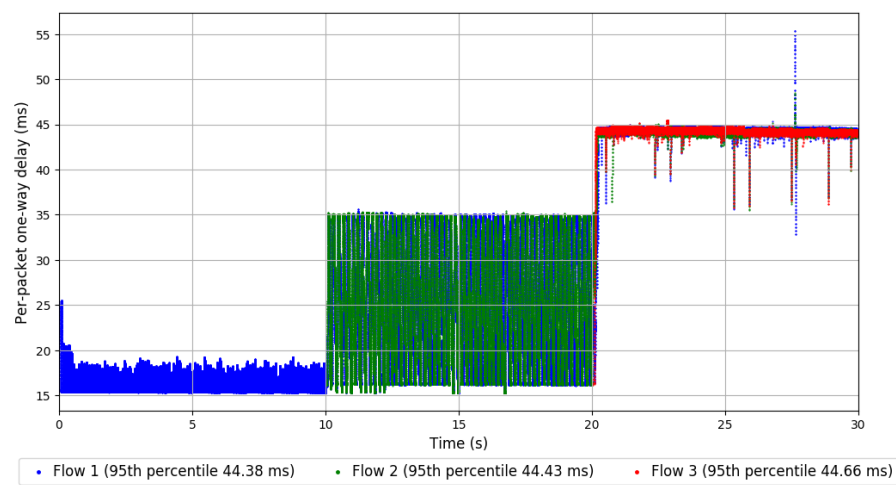
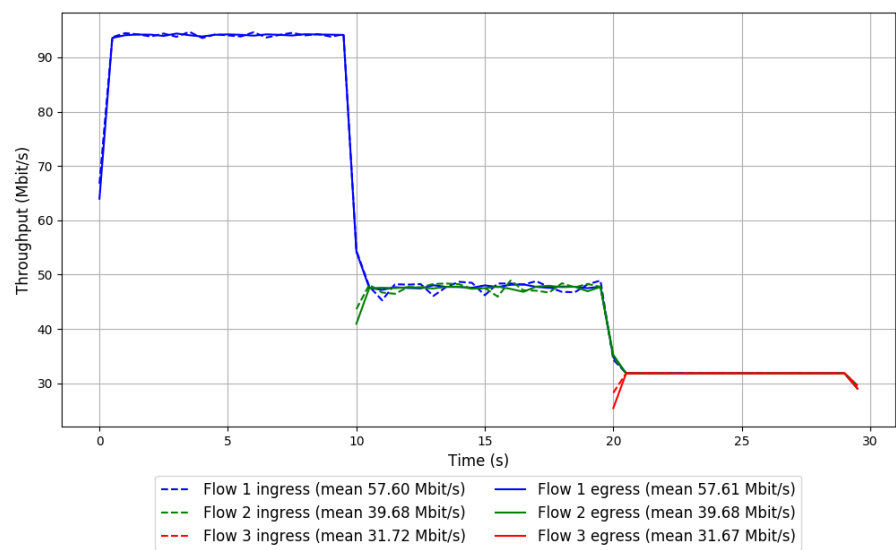
-- Flow 3:

Average throughput: 31.67 Mbit/s

95th percentile per-packet one-way delay: 44.664 ms

Loss rate: 0.54%

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

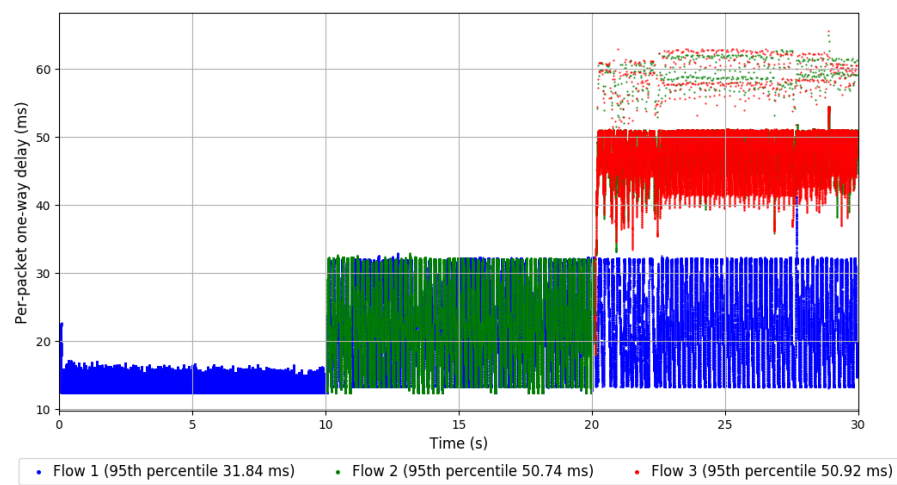
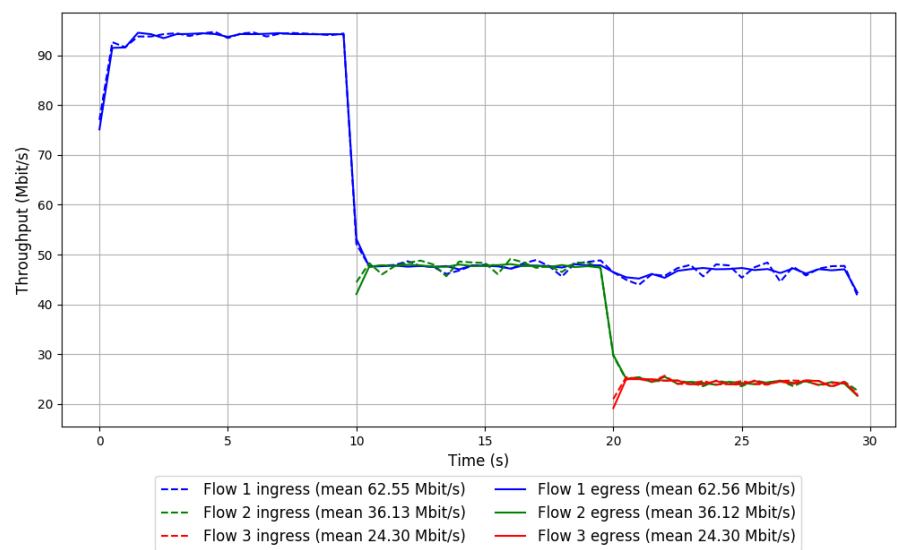


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-28 01:17:47
End at: 2018-02-28 01:18:17
Local clock offset: 3.483 ms
Remote clock offset: -0.434 ms

Below is generated by plot.py at 2018-02-28 07:20:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.64 Mbit/s
95th percentile per-packet one-way delay: 50.020 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 62.56 Mbit/s
95th percentile per-packet one-way delay: 31.843 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.12 Mbit/s
95th percentile per-packet one-way delay: 50.739 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 50.924 ms
Loss rate: 0.59%

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

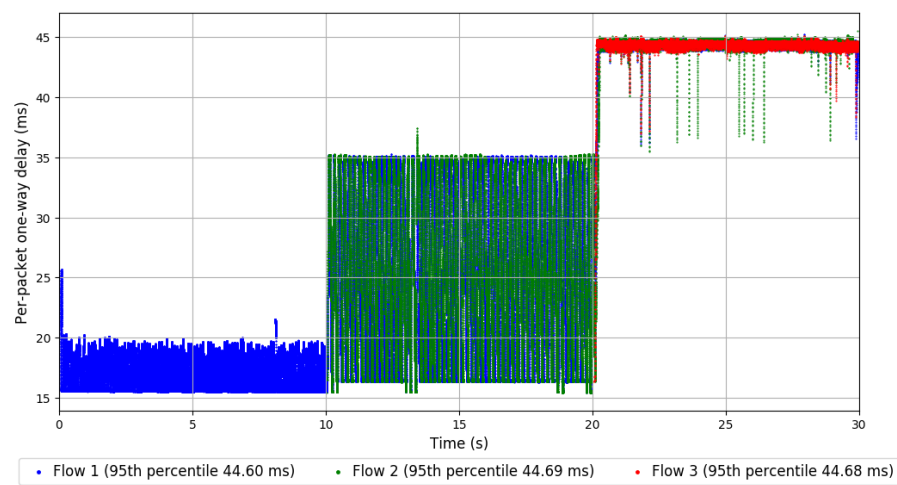
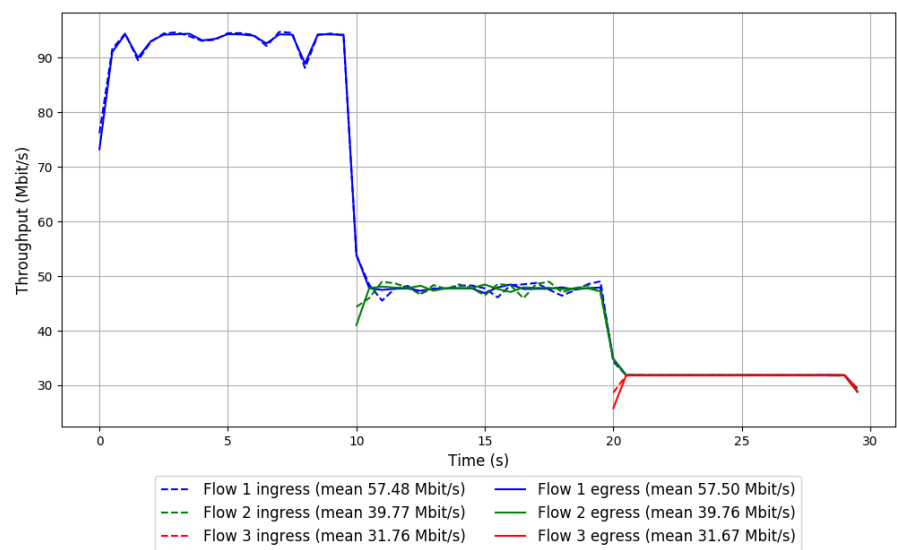


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-28 01:38:49
End at: 2018-02-28 01:39:19
Local clock offset: 5.161 ms
Remote clock offset: -5.149 ms

Below is generated by plot.py at 2018-02-28 07:21:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.45 Mbit/s
95th percentile per-packet one-way delay: 44.640 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.50 Mbit/s
95th percentile per-packet one-way delay: 44.604 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.76 Mbit/s
95th percentile per-packet one-way delay: 44.687 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.67 Mbit/s
95th percentile per-packet one-way delay: 44.684 ms
Loss rate: 0.54%

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

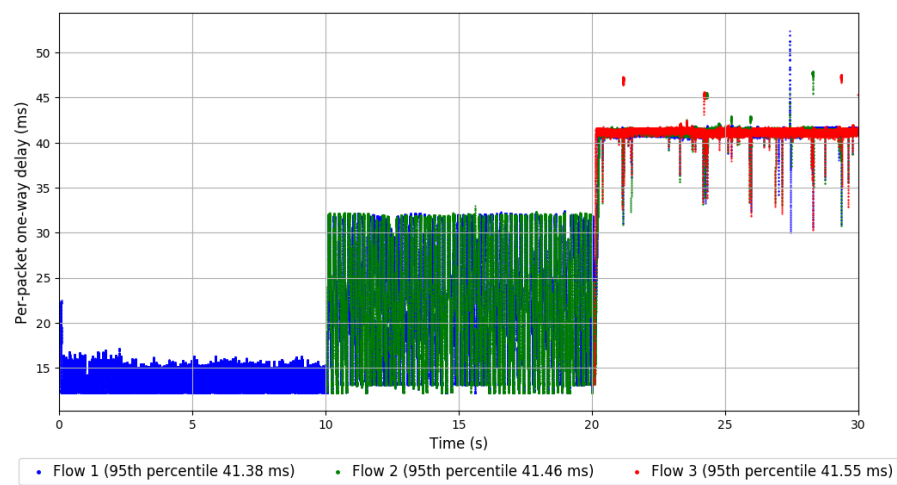
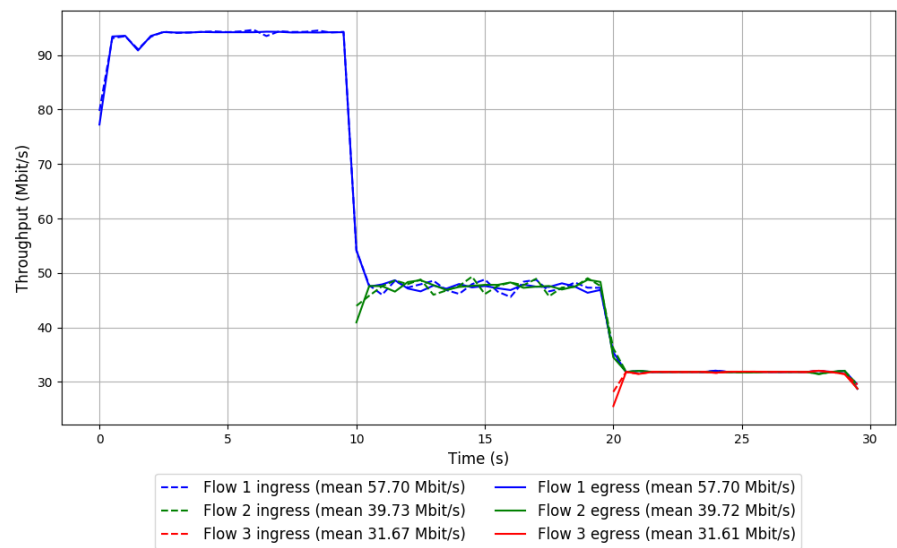


Run 6: Statistics of TaoVA-100x

Start at: 2018-02-28 01:59:59
End at: 2018-02-28 02:00:29
Local clock offset: 2.229 ms
Remote clock offset: -6.601 ms

Below is generated by plot.py at 2018-02-28 07:21:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.60 Mbit/s
95th percentile per-packet one-way delay: 41.446 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.70 Mbit/s
95th percentile per-packet one-way delay: 41.375 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 41.456 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.61 Mbit/s
95th percentile per-packet one-way delay: 41.548 ms
Loss rate: 0.54%

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

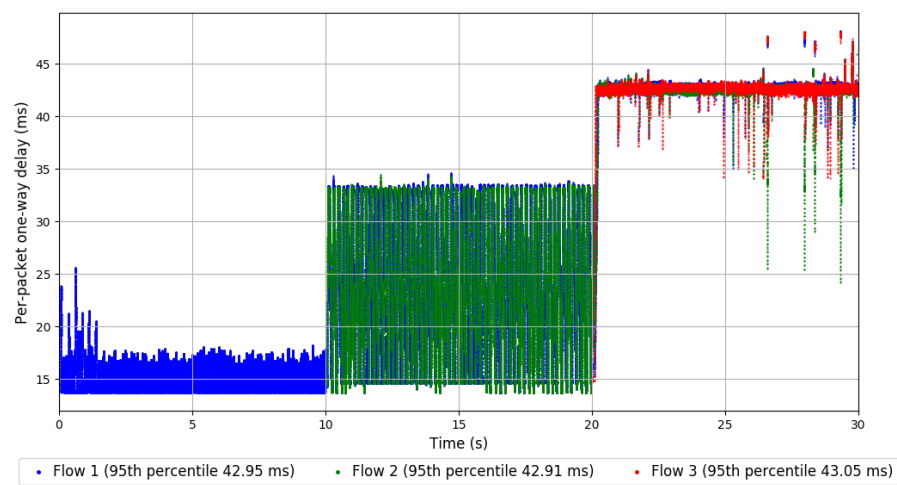
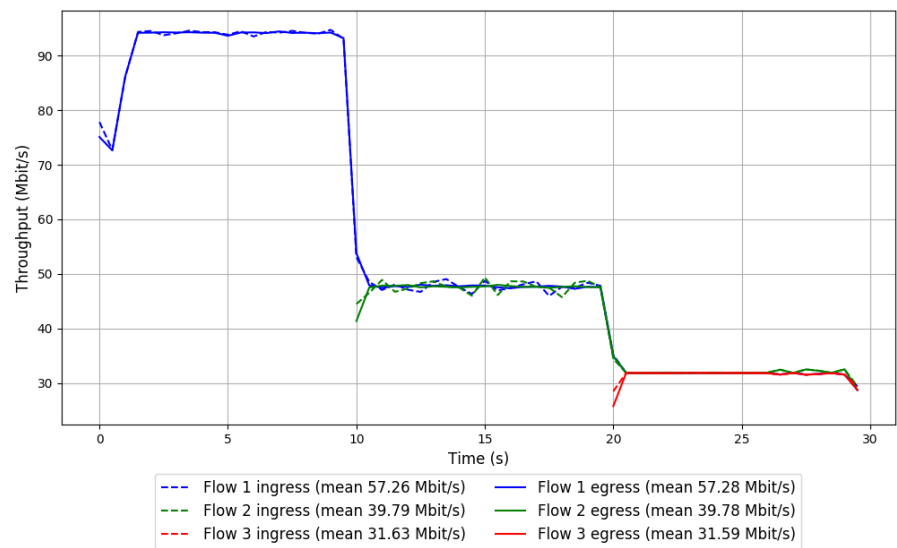


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-28 02:21:17
End at: 2018-02-28 02:21:47
Local clock offset: 2.873 ms
Remote clock offset: -8.799 ms

Below is generated by plot.py at 2018-02-28 07:21:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.21 Mbit/s
95th percentile per-packet one-way delay: 42.953 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.28 Mbit/s
95th percentile per-packet one-way delay: 42.947 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.78 Mbit/s
95th percentile per-packet one-way delay: 42.908 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.59 Mbit/s
95th percentile per-packet one-way delay: 43.050 ms
Loss rate: 0.54%

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

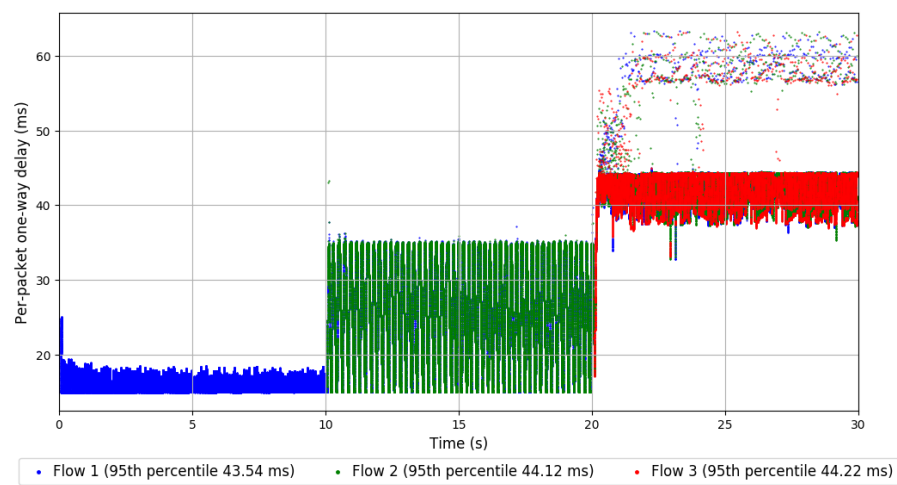
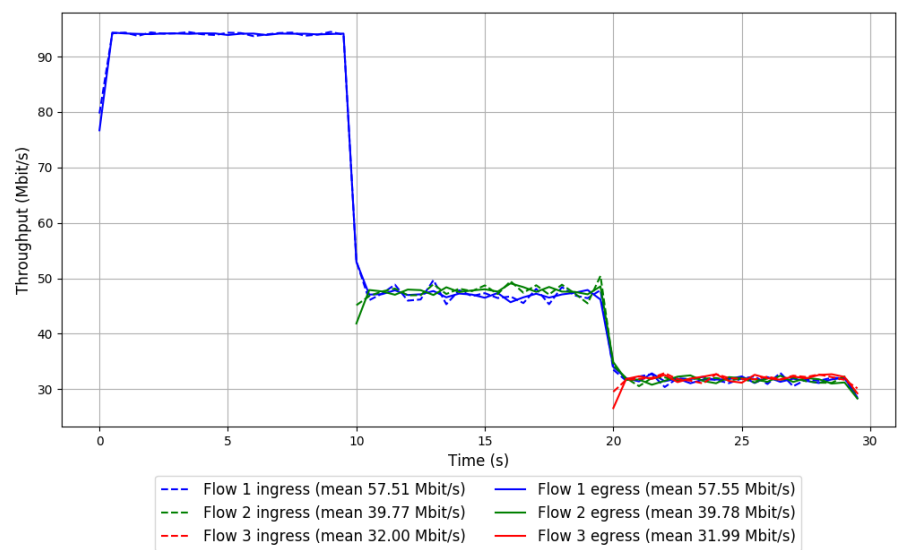


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-28 02:43:10
End at: 2018-02-28 02:43:40
Local clock offset: 3.885 ms
Remote clock offset: -8.047 ms

Below is generated by plot.py at 2018-02-28 07:21:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 44.059 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 57.55 Mbit/s
95th percentile per-packet one-way delay: 43.540 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 39.78 Mbit/s
95th percentile per-packet one-way delay: 44.124 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.99 Mbit/s
95th percentile per-packet one-way delay: 44.216 ms
Loss rate: 0.46%

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

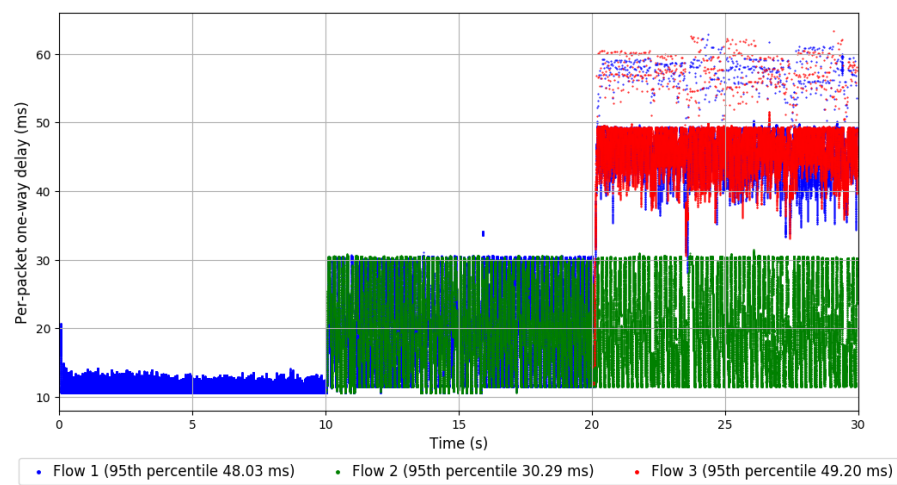
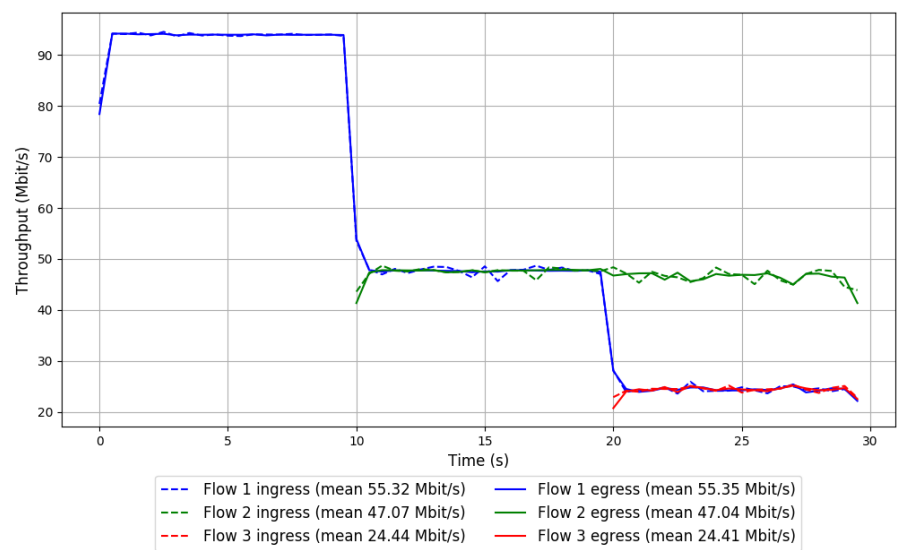


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-28 03:04:10
End at: 2018-02-28 03:04:40
Local clock offset: 1.038 ms
Remote clock offset: -6.001 ms

Below is generated by plot.py at 2018-02-28 07:23:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 48.483 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 55.35 Mbit/s
95th percentile per-packet one-way delay: 48.032 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 47.04 Mbit/s
95th percentile per-packet one-way delay: 30.286 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 49.197 ms
Loss rate: 0.60%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-02-28 03:25:31

End at: 2018-02-28 03:26:01

Local clock offset: 1.078 ms

Remote clock offset: -0.359 ms

Below is generated by plot.py at 2018-02-28 07:23:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.56 Mbit/s

95th percentile per-packet one-way delay: 48.226 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 54.28 Mbit/s

95th percentile per-packet one-way delay: 47.816 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 46.83 Mbit/s

95th percentile per-packet one-way delay: 29.871 ms

Loss rate: 0.22%

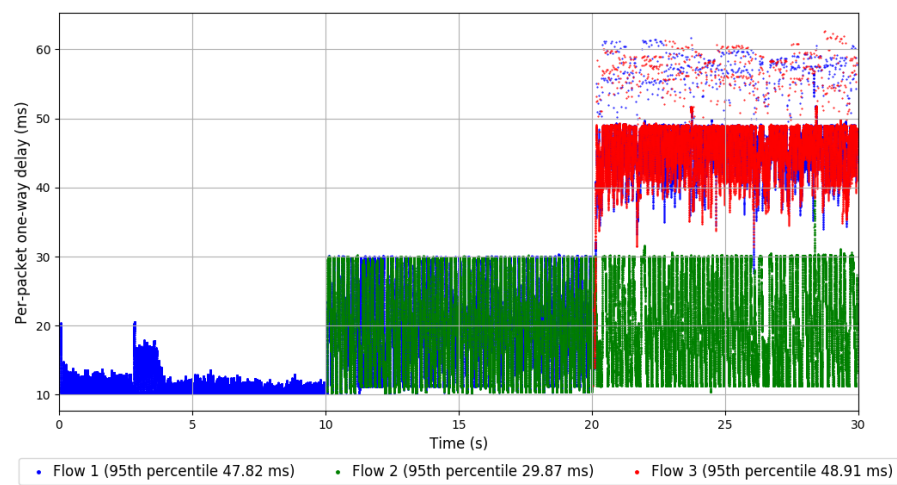
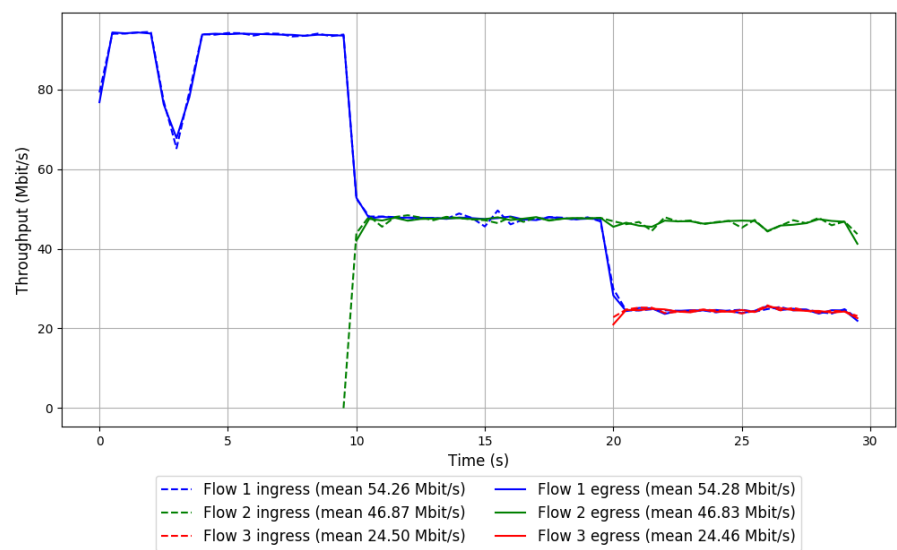
-- Flow 3:

Average throughput: 24.46 Mbit/s

95th percentile per-packet one-way delay: 48.905 ms

Loss rate: 0.62%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-02-28 00:00:28

End at: 2018-02-28 00:00:58

Local clock offset: 4.946 ms

Remote clock offset: -1.4 ms

Below is generated by plot.py at 2018-02-28 07:23:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.14 Mbit/s

95th percentile per-packet one-way delay: 38.194 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 68.40 Mbit/s

95th percentile per-packet one-way delay: 38.005 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 32.09 Mbit/s

95th percentile per-packet one-way delay: 38.069 ms

Loss rate: 0.06%

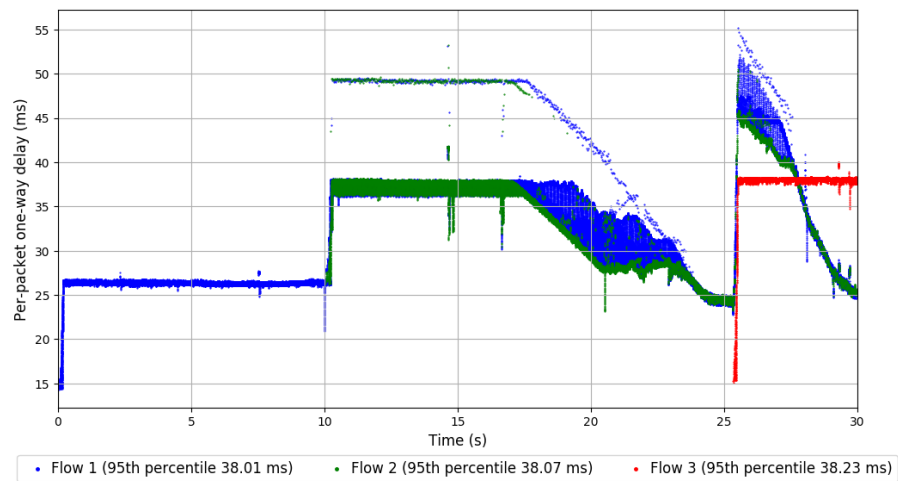
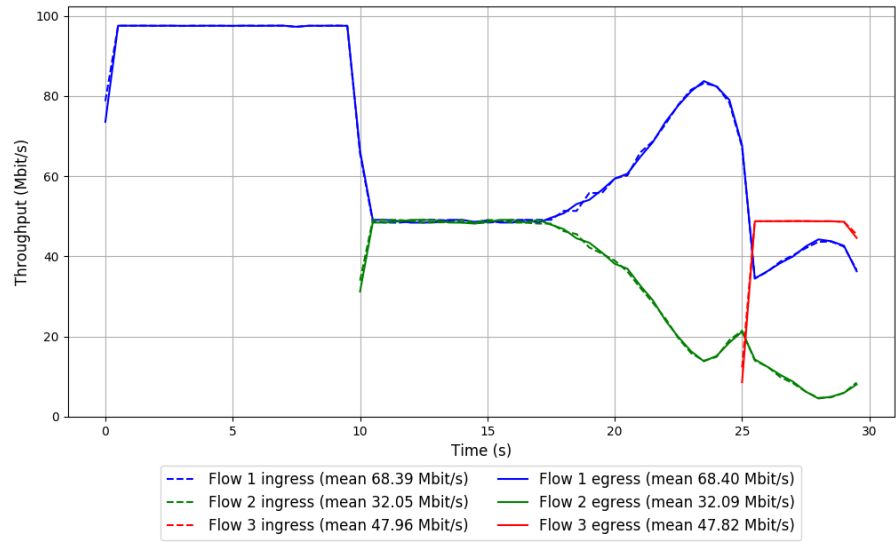
-- Flow 3:

Average throughput: 47.82 Mbit/s

95th percentile per-packet one-way delay: 38.225 ms

Loss rate: 1.03%

Run 1: Report of TCP Vegas — Data Link

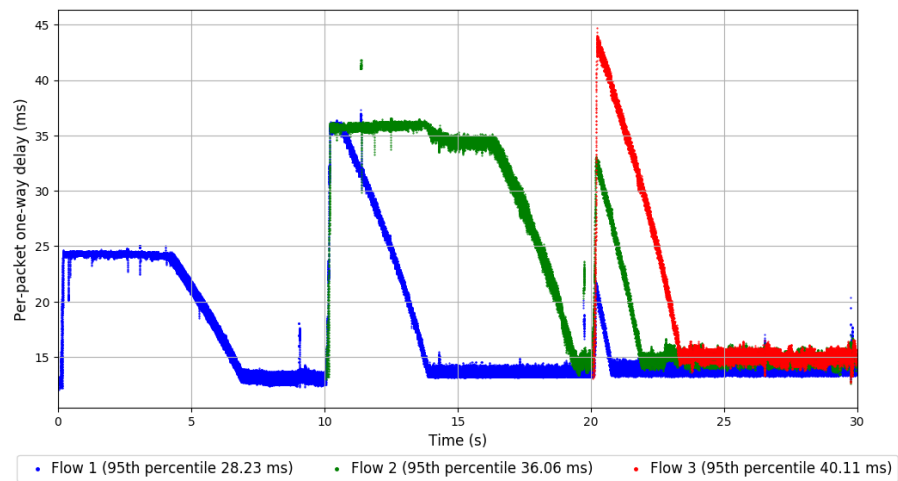
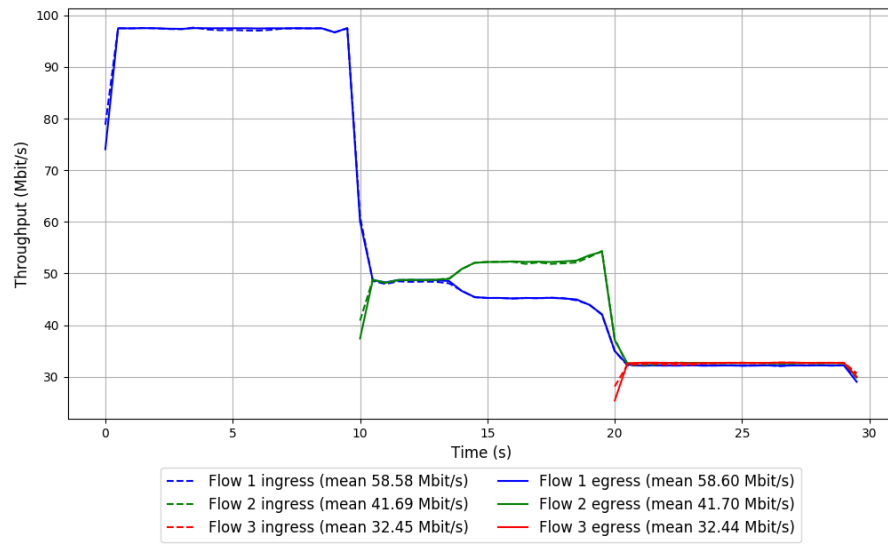


Run 2: Statistics of TCP Vegas

Start at: 2018-02-28 00:21:31
End at: 2018-02-28 00:22:01
Local clock offset: 2.003 ms
Remote clock offset: -2.888 ms

Below is generated by plot.py at 2018-02-28 07:23:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 35.832 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 58.60 Mbit/s
95th percentile per-packet one-way delay: 28.227 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 41.70 Mbit/s
95th percentile per-packet one-way delay: 36.056 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 32.44 Mbit/s
95th percentile per-packet one-way delay: 40.110 ms
Loss rate: 0.26%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-02-28 00:42:35

End at: 2018-02-28 00:43:05

Local clock offset: 5.29 ms

Remote clock offset: 0.369 ms

Below is generated by plot.py at 2018-02-28 07:23:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.99 Mbit/s

95th percentile per-packet one-way delay: 40.420 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 67.88 Mbit/s

95th percentile per-packet one-way delay: 39.478 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 33.99 Mbit/s

95th percentile per-packet one-way delay: 39.415 ms

Loss rate: 0.02%

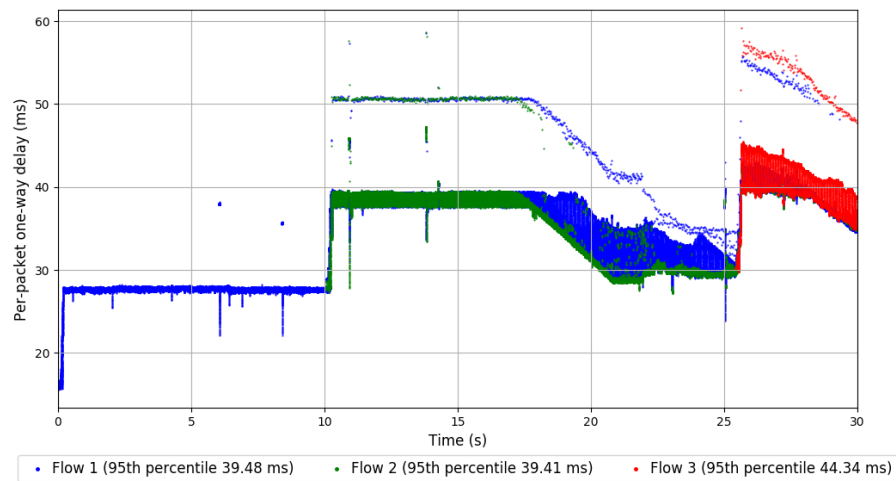
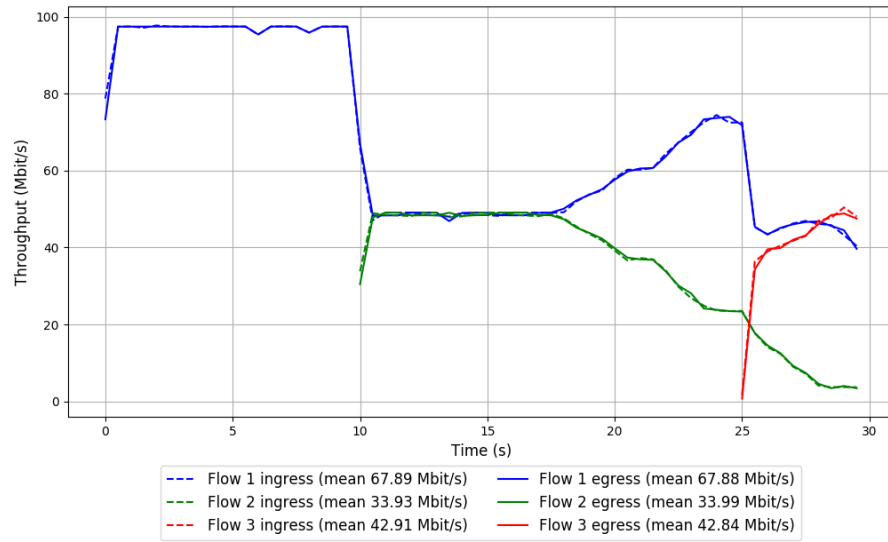
-- Flow 3:

Average throughput: 42.84 Mbit/s

95th percentile per-packet one-way delay: 44.337 ms

Loss rate: 1.25%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-02-28 01:03:41

End at: 2018-02-28 01:04:11

Local clock offset: 2.935 ms

Remote clock offset: 0.467 ms

Below is generated by plot.py at 2018-02-28 07:23:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.03 Mbit/s

95th percentile per-packet one-way delay: 46.941 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 58.97 Mbit/s

95th percentile per-packet one-way delay: 28.222 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 40.98 Mbit/s

95th percentile per-packet one-way delay: 35.927 ms

Loss rate: 0.11%

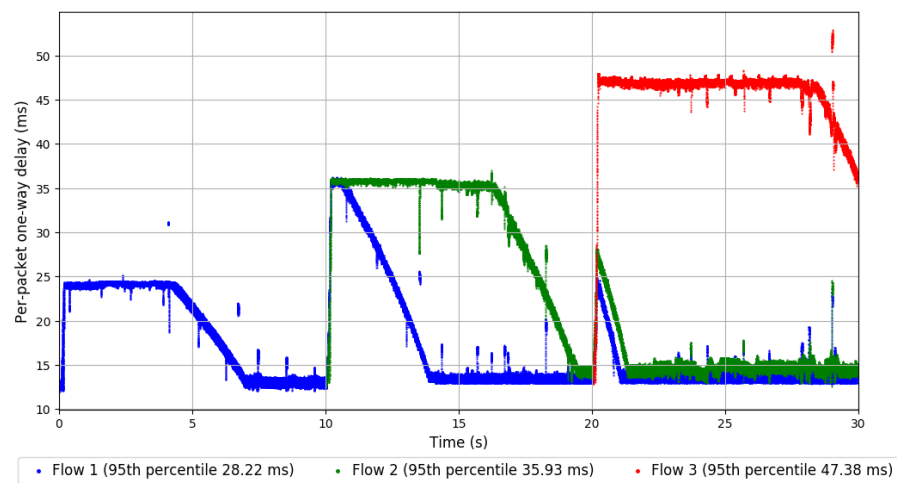
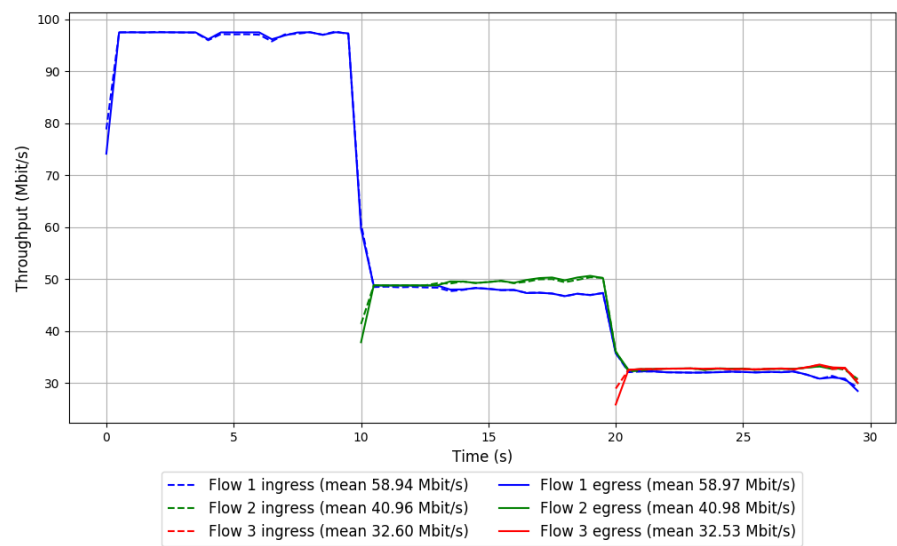
-- Flow 3:

Average throughput: 32.53 Mbit/s

95th percentile per-packet one-way delay: 47.377 ms

Loss rate: 0.49%

Run 4: Report of TCP Vegas — Data Link

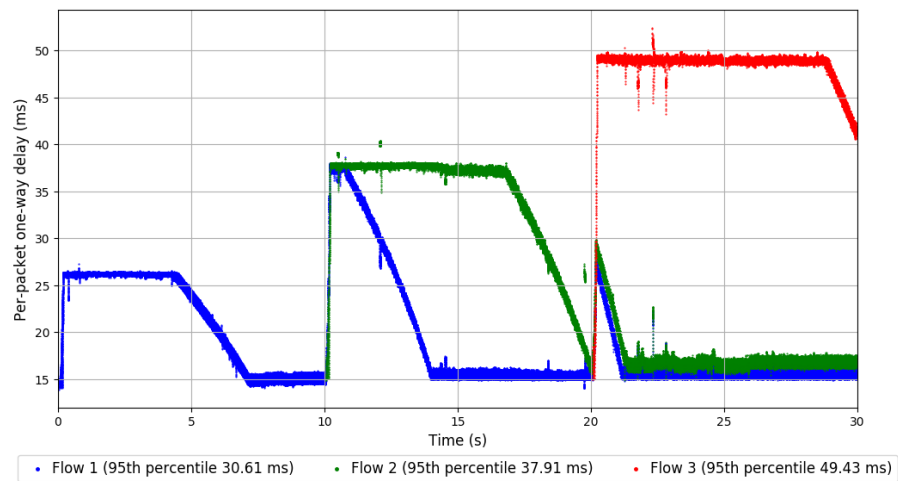
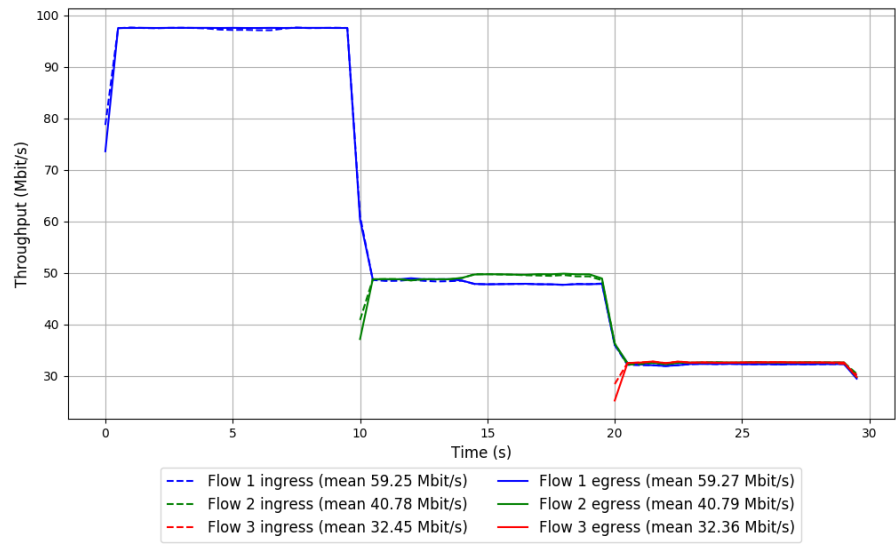


Run 5: Statistics of TCP Vegas

Start at: 2018-02-28 01:24:48
End at: 2018-02-28 01:25:18
Local clock offset: 4.872 ms
Remote clock offset: -0.455 ms

Below is generated by plot.py at 2018-02-28 07:23:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 49.042 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.27 Mbit/s
95th percentile per-packet one-way delay: 30.612 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.79 Mbit/s
95th percentile per-packet one-way delay: 37.915 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.36 Mbit/s
95th percentile per-packet one-way delay: 49.432 ms
Loss rate: 0.51%

Run 5: Report of TCP Vegas — Data Link

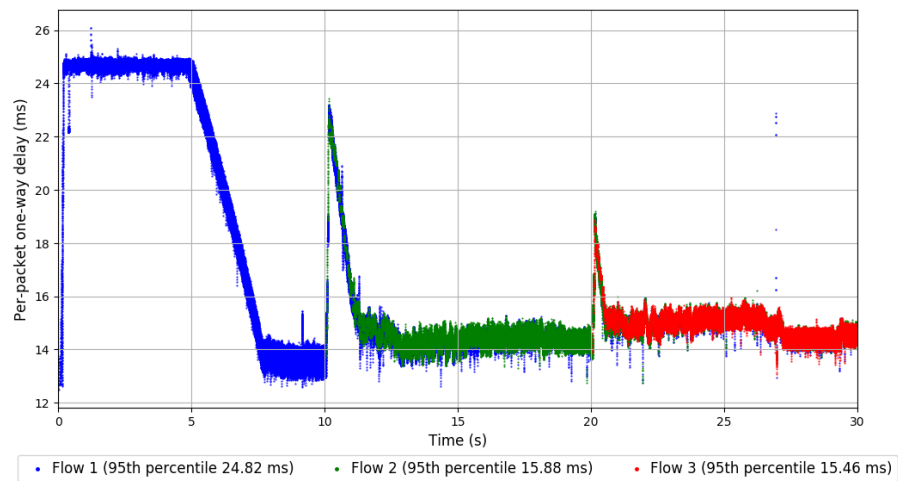
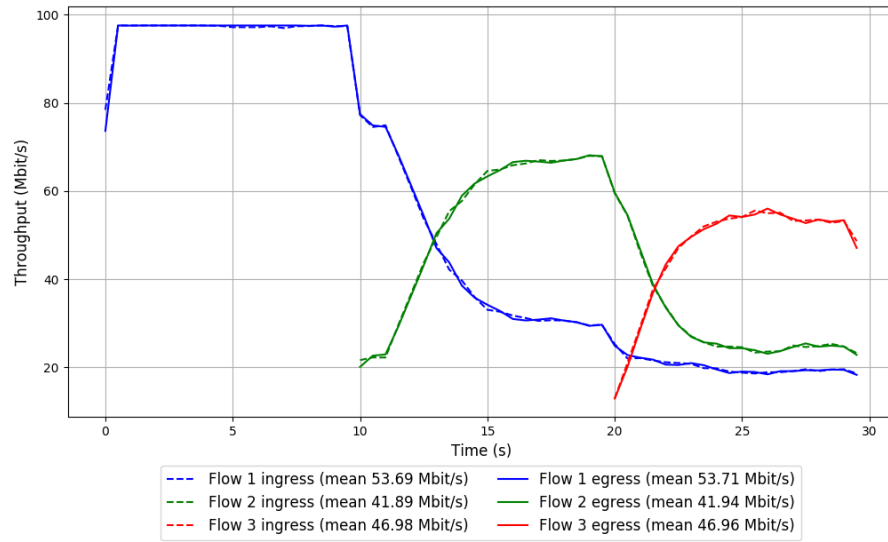


Run 6: Statistics of TCP Vegas

Start at: 2018-02-28 01:45:53
End at: 2018-02-28 01:46:23
Local clock offset: 3.243 ms
Remote clock offset: -5.213 ms

```
# Below is generated by plot.py at 2018-02-28 07:23:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 24.773 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 53.71 Mbit/s
95th percentile per-packet one-way delay: 24.824 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 41.94 Mbit/s
95th percentile per-packet one-way delay: 15.878 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 46.96 Mbit/s
95th percentile per-packet one-way delay: 15.461 ms
Loss rate: 0.30%
```

Run 6: Report of TCP Vegas — Data Link

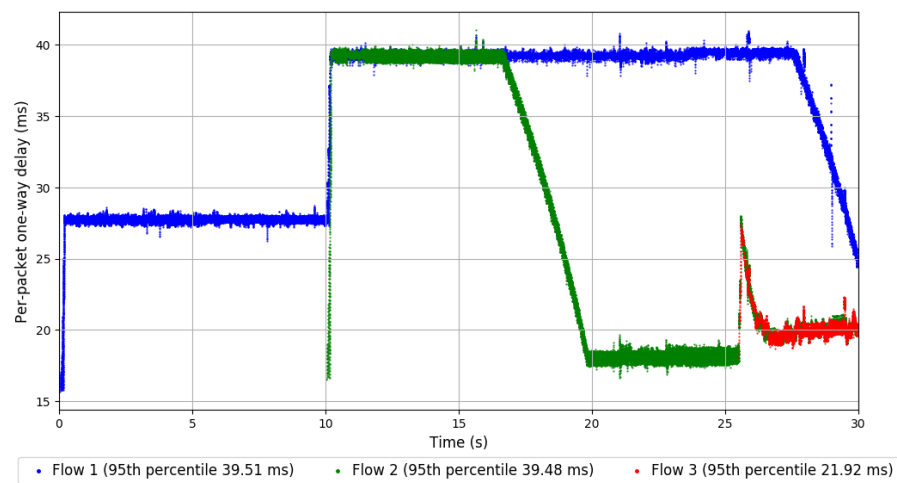
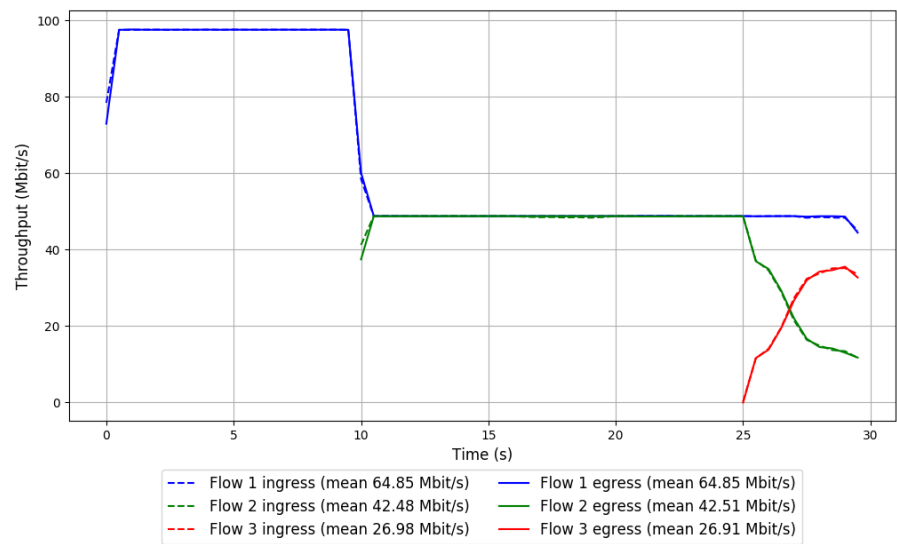


Run 7: Statistics of TCP Vegas

Start at: 2018-02-28 02:07:02
End at: 2018-02-28 02:07:32
Local clock offset: 5.186 ms
Remote clock offset: -7.629 ms

Below is generated by plot.py at 2018-02-28 07:23:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 39.487 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 64.85 Mbit/s
95th percentile per-packet one-way delay: 39.507 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 42.51 Mbit/s
95th percentile per-packet one-way delay: 39.483 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 26.91 Mbit/s
95th percentile per-packet one-way delay: 21.917 ms
Loss rate: 0.84%

Run 7: Report of TCP Vegas — Data Link

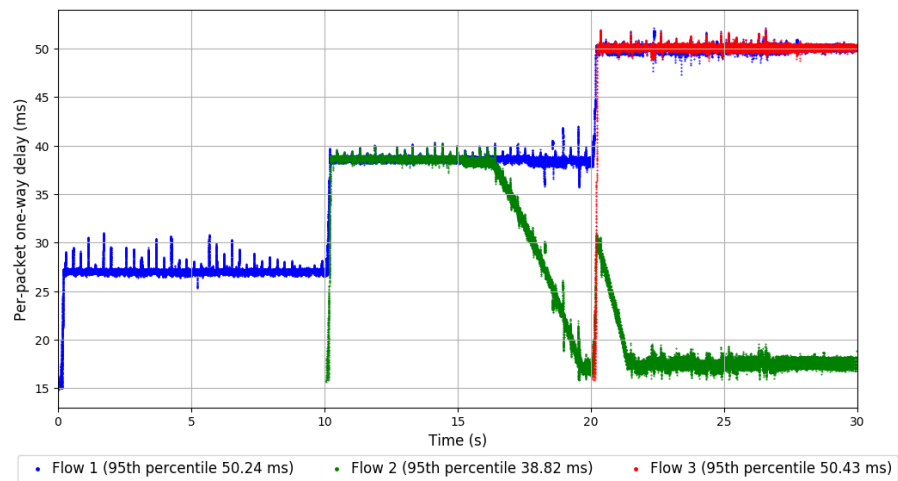
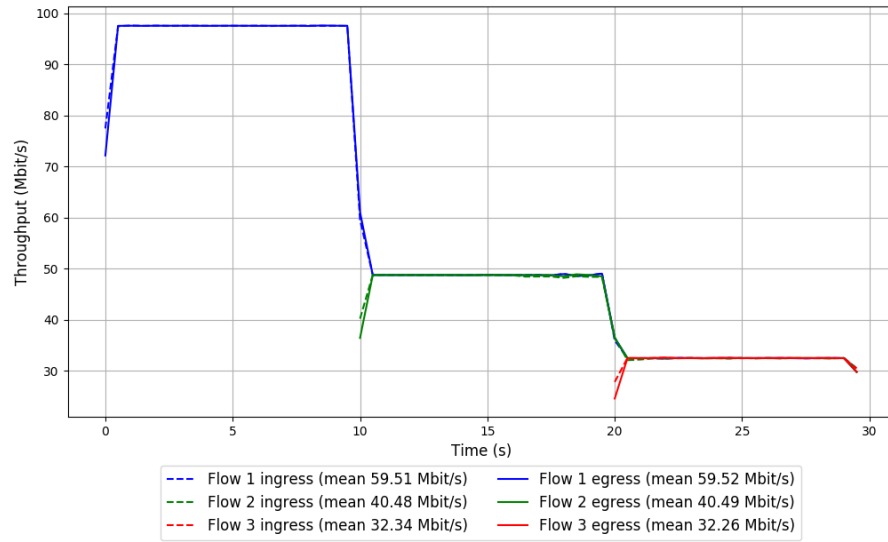


Run 8: Statistics of TCP Vegas

Start at: 2018-02-28 02:28:37
End at: 2018-02-28 02:29:07
Local clock offset: 4.818 ms
Remote clock offset: -8.622 ms

Below is generated by plot.py at 2018-02-28 07:23:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 50.270 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 59.52 Mbit/s
95th percentile per-packet one-way delay: 50.237 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.49 Mbit/s
95th percentile per-packet one-way delay: 38.824 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.26 Mbit/s
95th percentile per-packet one-way delay: 50.429 ms
Loss rate: 0.61%

Run 8: Report of TCP Vegas — Data Link

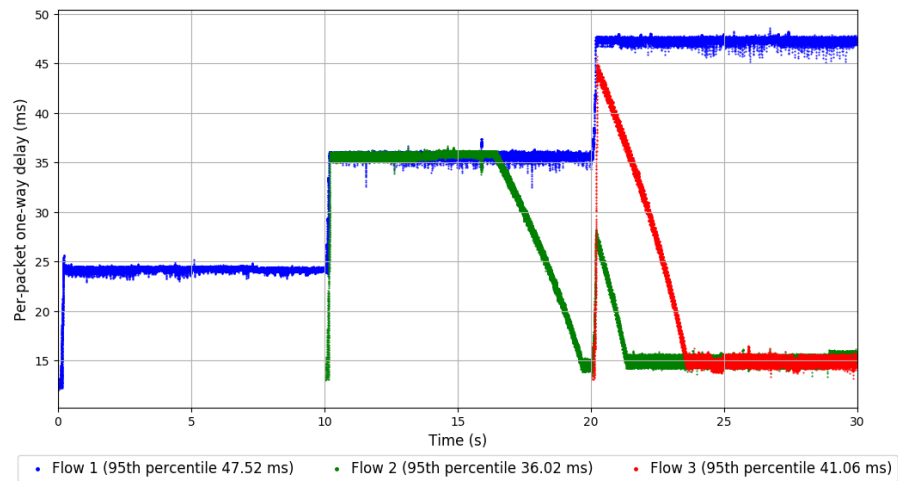
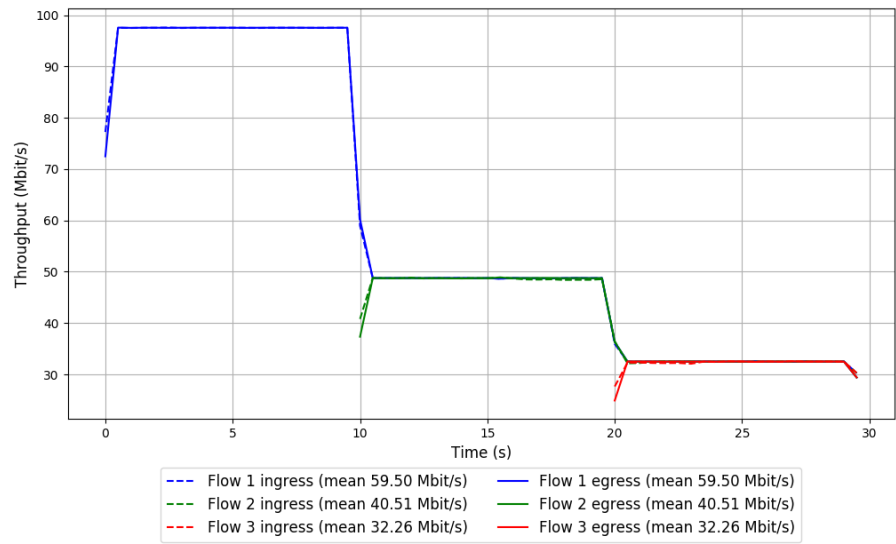


Run 9: Statistics of TCP Vegas

Start at: 2018-02-28 02:50:09
End at: 2018-02-28 02:50:39
Local clock offset: 1.418 ms
Remote clock offset: -6.549 ms

Below is generated by plot.py at 2018-02-28 07:24:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 47.334 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.50 Mbit/s
95th percentile per-packet one-way delay: 47.519 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 36.024 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.26 Mbit/s
95th percentile per-packet one-way delay: 41.057 ms
Loss rate: 0.28%

Run 9: Report of TCP Vegas — Data Link

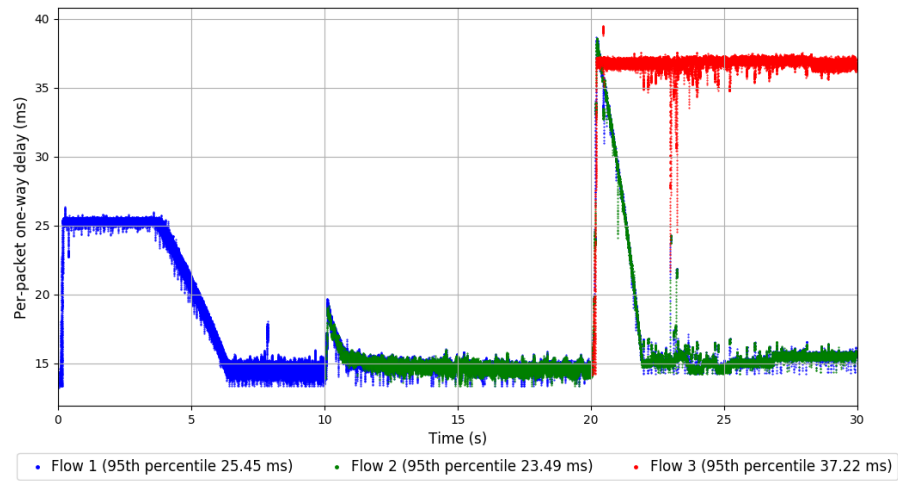
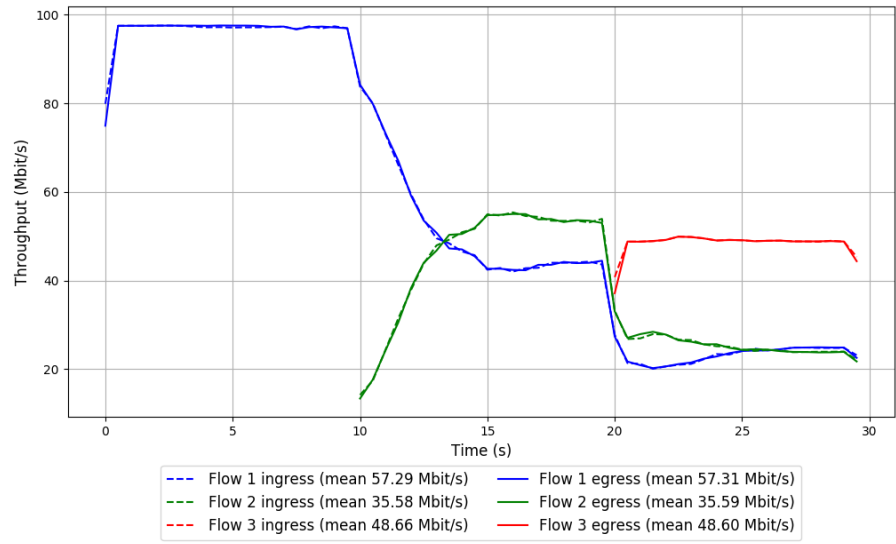


Run 10: Statistics of TCP Vegas

Start at: 2018-02-28 03:11:19
End at: 2018-02-28 03:11:49
Local clock offset: 3.463 ms
Remote clock offset: -6.061 ms

Below is generated by plot.py at 2018-02-28 07:24:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 37.001 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 57.31 Mbit/s
95th percentile per-packet one-way delay: 25.445 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 35.59 Mbit/s
95th percentile per-packet one-way delay: 23.494 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 48.60 Mbit/s
95th percentile per-packet one-way delay: 37.219 ms
Loss rate: 0.47%

Run 10: Report of TCP Vegas — Data Link

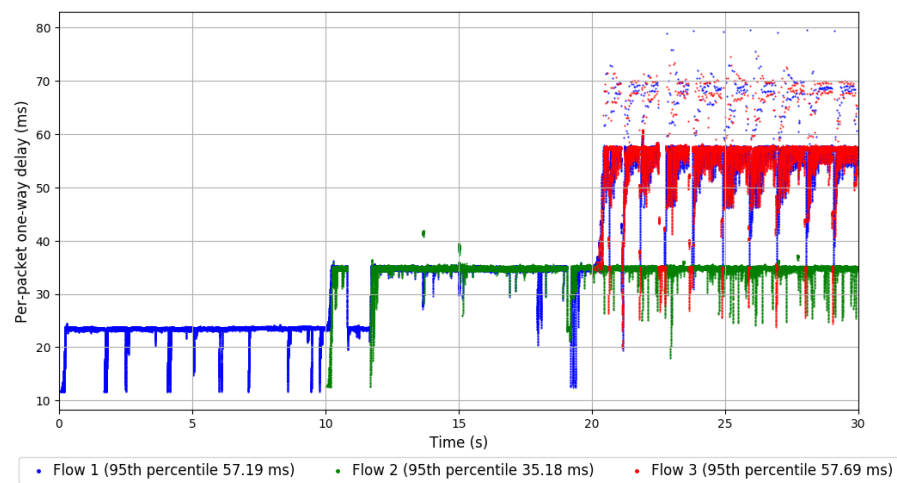
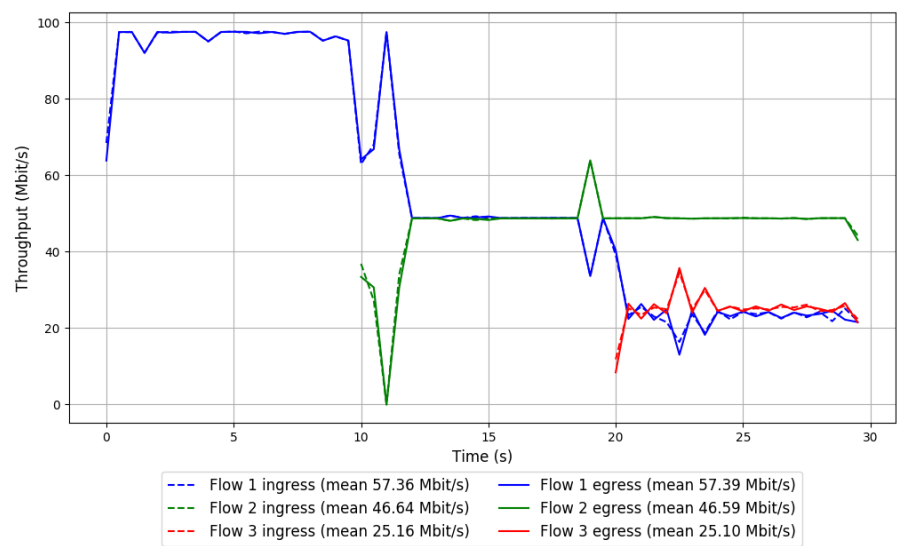


Run 1: Statistics of Verus

Start at: 2018-02-28 00:08:36
End at: 2018-02-28 00:09:06
Local clock offset: 2.926 ms
Remote clock offset: -1.147 ms

Below is generated by plot.py at 2018-02-28 07:24:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 57.312 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 57.39 Mbit/s
95th percentile per-packet one-way delay: 57.193 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 46.59 Mbit/s
95th percentile per-packet one-way delay: 35.182 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 25.10 Mbit/s
95th percentile per-packet one-way delay: 57.688 ms
Loss rate: 0.71%

Run 1: Report of Verus — Data Link

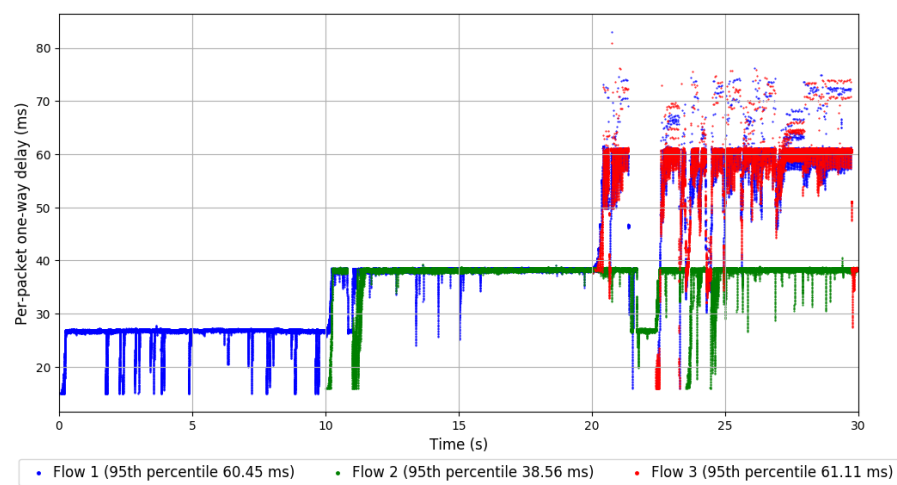
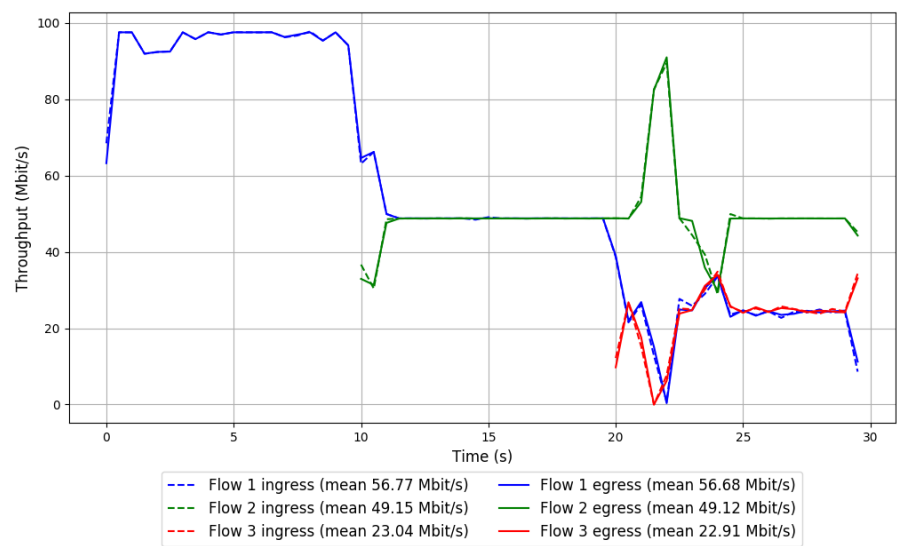


Run 2: Statistics of Verus

Start at: 2018-02-28 00:29:39
End at: 2018-02-28 00:30:09
Local clock offset: 4.786 ms
Remote clock offset: -0.414 ms

Below is generated by plot.py at 2018-02-28 07:24:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 60.714 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 56.68 Mbit/s
95th percentile per-packet one-way delay: 60.448 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.12 Mbit/s
95th percentile per-packet one-way delay: 38.562 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 22.91 Mbit/s
95th percentile per-packet one-way delay: 61.111 ms
Loss rate: 1.01%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-02-28 00:50:42

End at: 2018-02-28 00:51:12

Local clock offset: 6.195 ms

Remote clock offset: 1.417 ms

Below is generated by plot.py at 2018-02-28 07:24:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.06 Mbit/s

95th percentile per-packet one-way delay: 61.433 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 58.30 Mbit/s

95th percentile per-packet one-way delay: 61.346 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 33.28 Mbit/s

95th percentile per-packet one-way delay: 61.586 ms

Loss rate: 0.25%

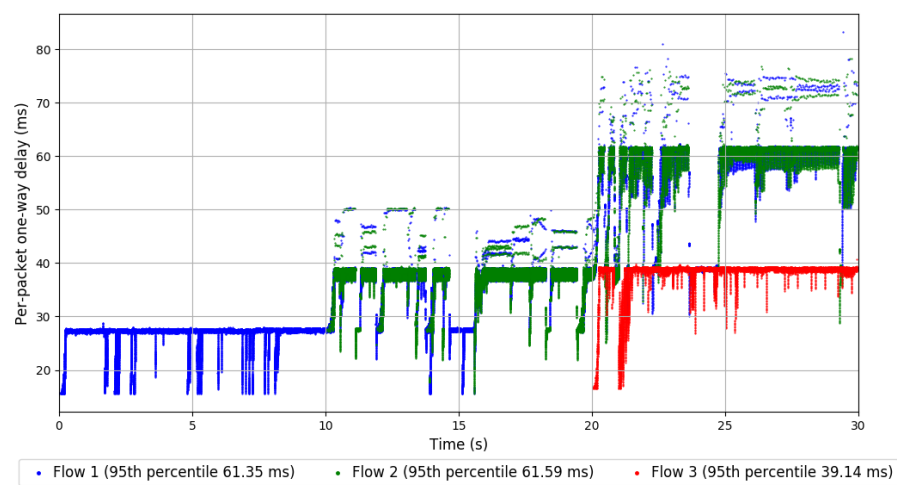
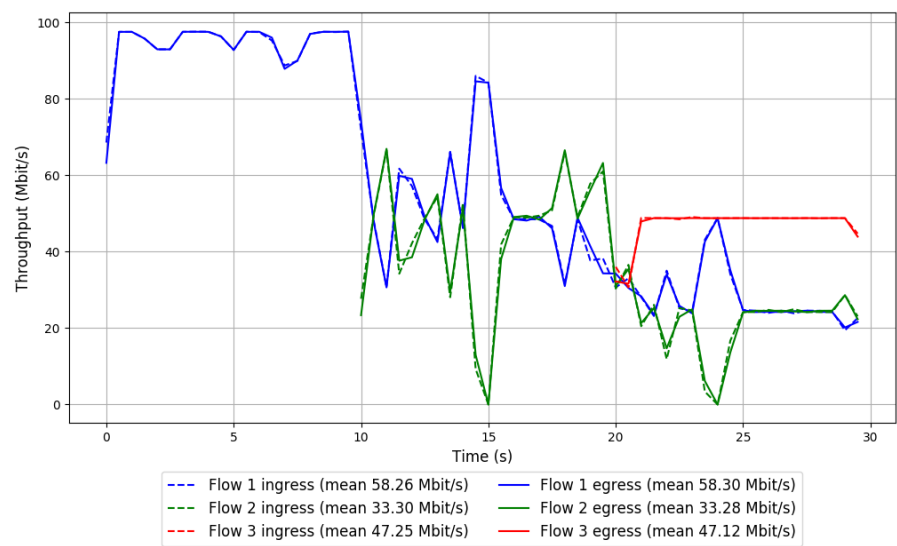
-- Flow 3:

Average throughput: 47.12 Mbit/s

95th percentile per-packet one-way delay: 39.138 ms

Loss rate: 0.49%

Run 3: Report of Verus — Data Link

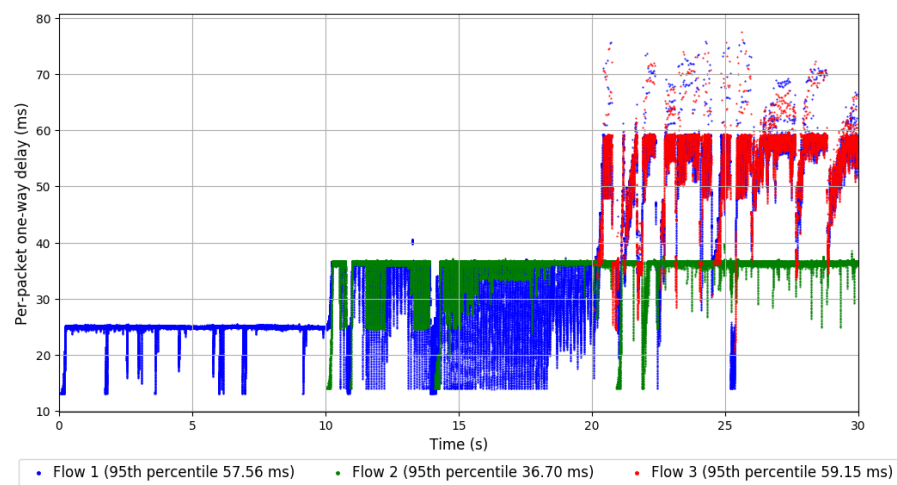
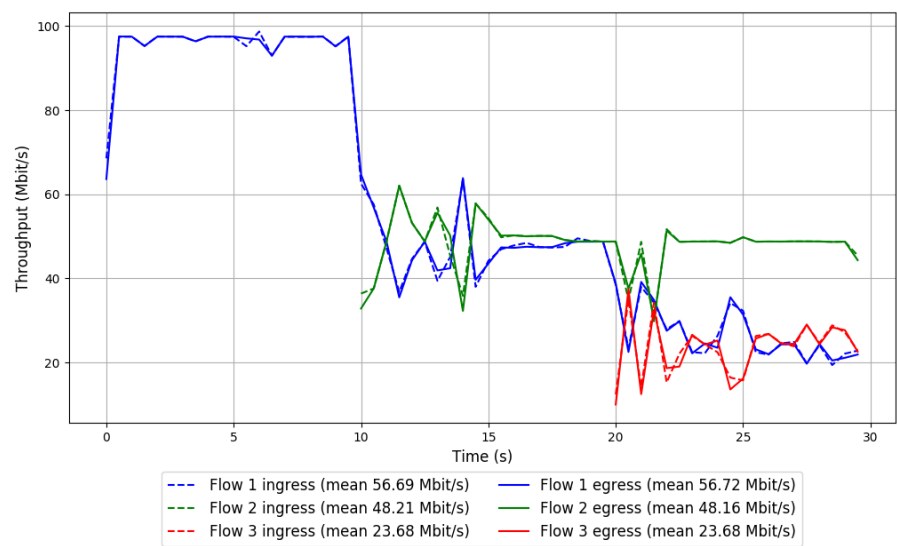


Run 4: Statistics of Verus

Start at: 2018-02-28 01:11:51
End at: 2018-02-28 01:12:21
Local clock offset: 3.877 ms
Remote clock offset: -0.252 ms

Below is generated by plot.py at 2018-02-28 07:24:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 58.111 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.72 Mbit/s
95th percentile per-packet one-way delay: 57.558 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 48.16 Mbit/s
95th percentile per-packet one-way delay: 36.695 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 23.68 Mbit/s
95th percentile per-packet one-way delay: 59.150 ms
Loss rate: 0.65%

Run 4: Report of Verus — Data Link

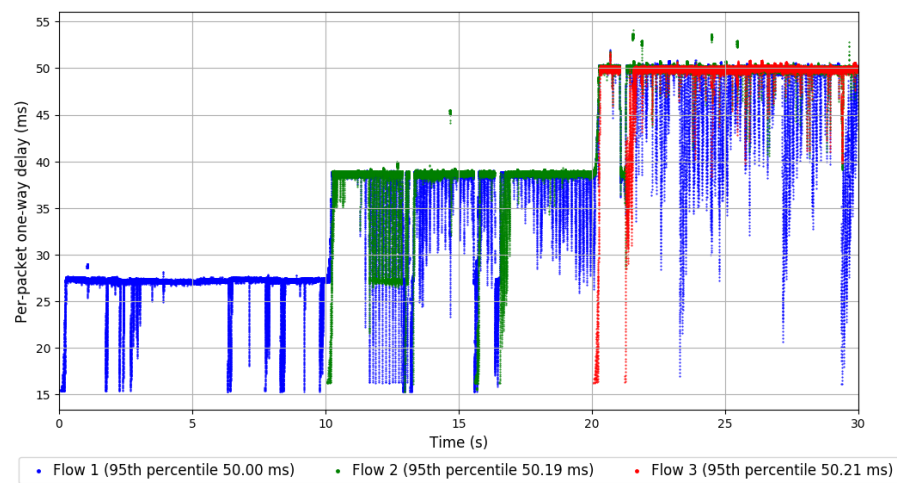
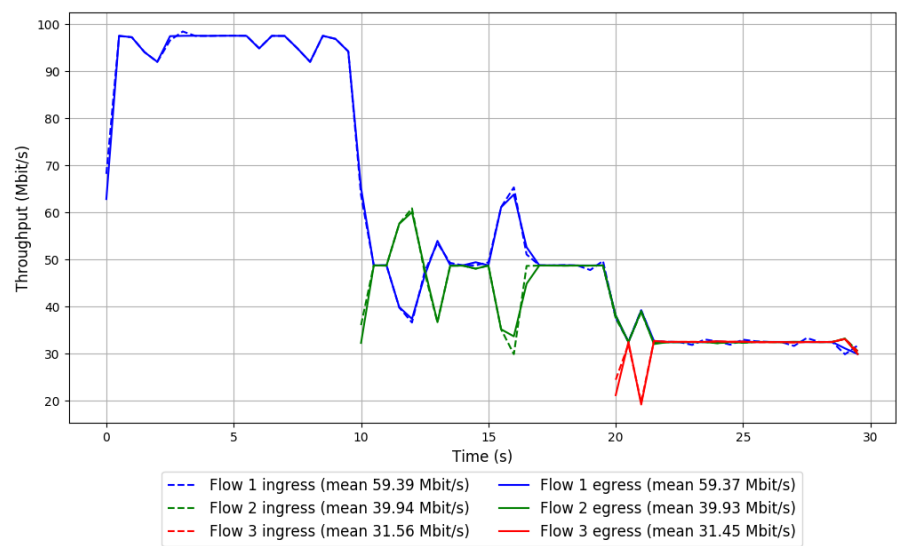


Run 5: Statistics of Verus

Start at: 2018-02-28 01:32:52
End at: 2018-02-28 01:33:22
Local clock offset: 6.144 ms
Remote clock offset: -2.323 ms

Below is generated by plot.py at 2018-02-28 07:25:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 50.145 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.37 Mbit/s
95th percentile per-packet one-way delay: 50.002 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.93 Mbit/s
95th percentile per-packet one-way delay: 50.189 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.45 Mbit/s
95th percentile per-packet one-way delay: 50.210 ms
Loss rate: 0.61%

Run 5: Report of Verus — Data Link

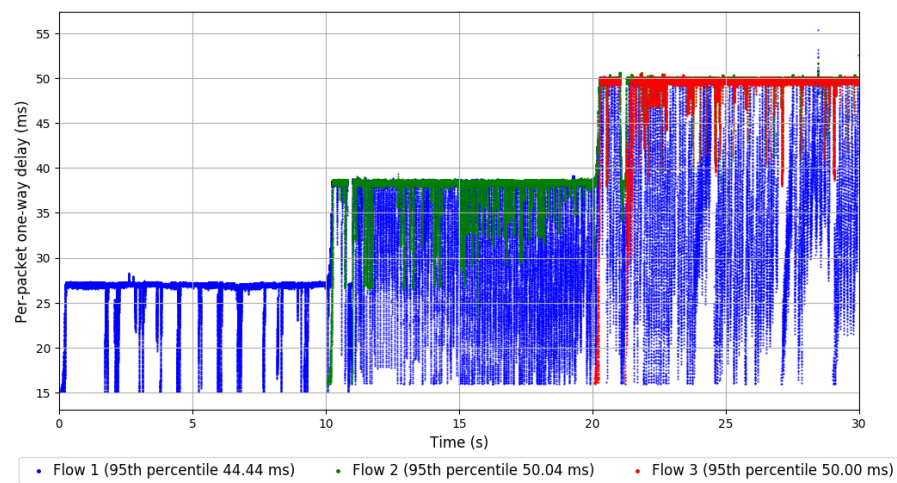
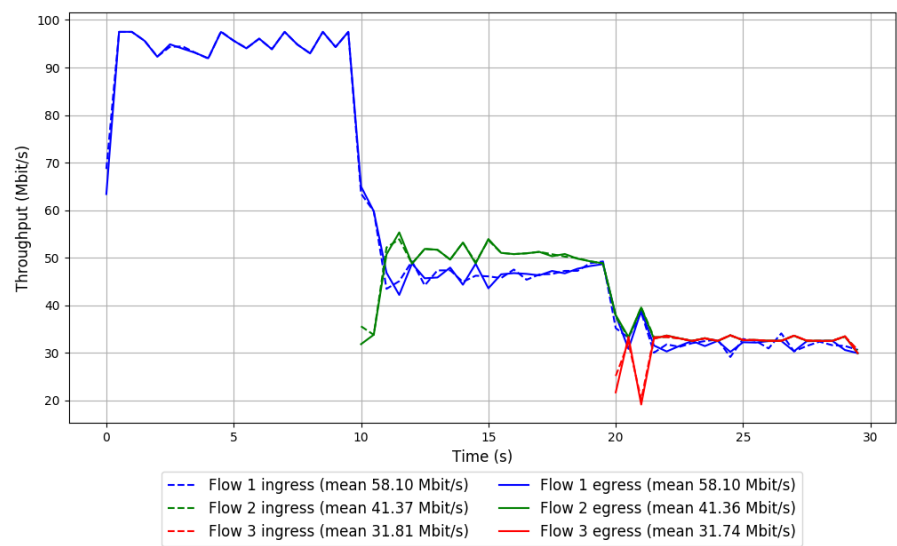


Run 6: Statistics of Verus

Start at: 2018-02-28 01:54:03
End at: 2018-02-28 01:54:33
Local clock offset: 4.561 ms
Remote clock offset: -6.975 ms

Below is generated by plot.py at 2018-02-28 07:25:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.15 Mbit/s
95th percentile per-packet one-way delay: 49.968 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: 44.437 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 41.36 Mbit/s
95th percentile per-packet one-way delay: 50.042 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 49.999 ms
Loss rate: 0.60%

Run 6: Report of Verus — Data Link

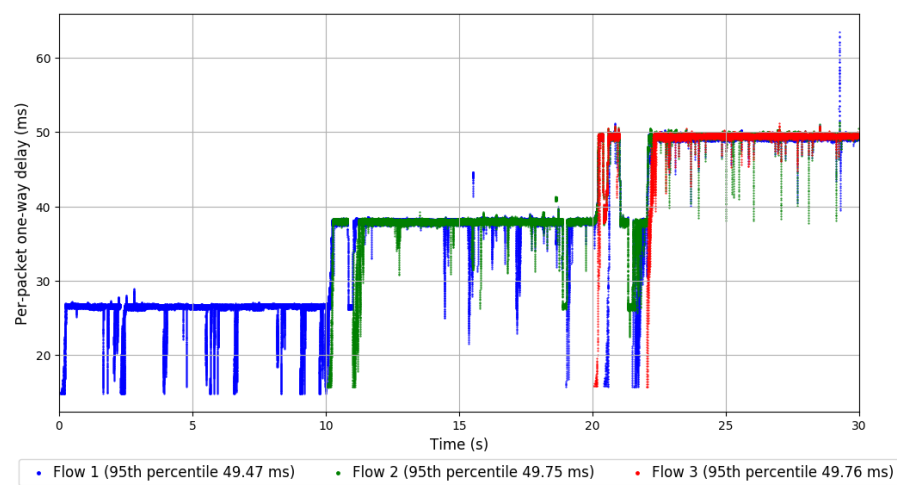
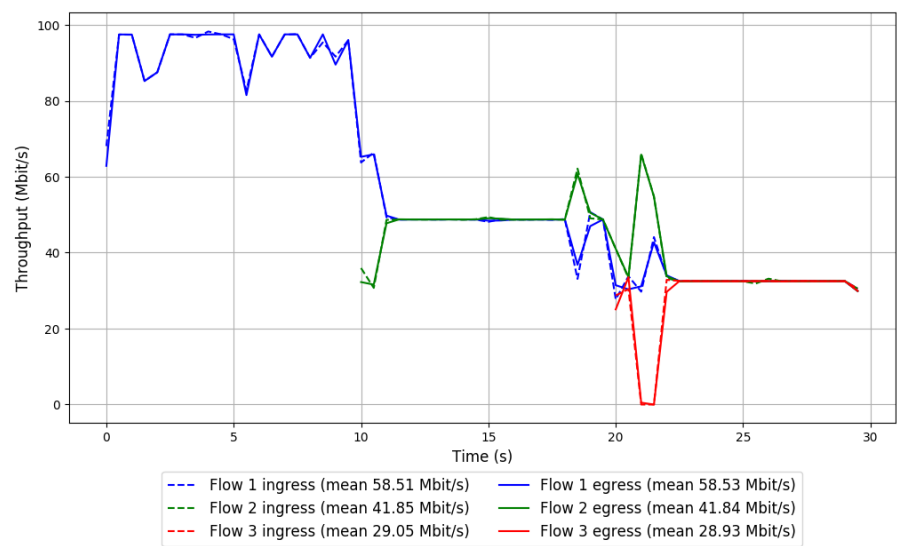


Run 7: Statistics of Verus

Start at: 2018-02-28 02:15:16
End at: 2018-02-28 02:15:46
Local clock offset: 4.448 ms
Remote clock offset: -7.758 ms

Below is generated by plot.py at 2018-02-28 07:25:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 49.694 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 58.53 Mbit/s
95th percentile per-packet one-way delay: 49.467 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 41.84 Mbit/s
95th percentile per-packet one-way delay: 49.749 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 28.93 Mbit/s
95th percentile per-packet one-way delay: 49.760 ms
Loss rate: 0.66%

Run 7: Report of Verus — Data Link

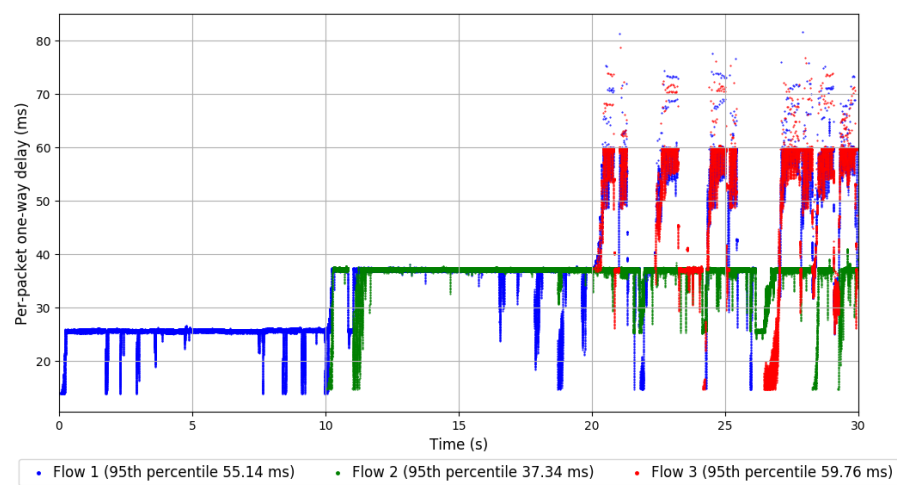
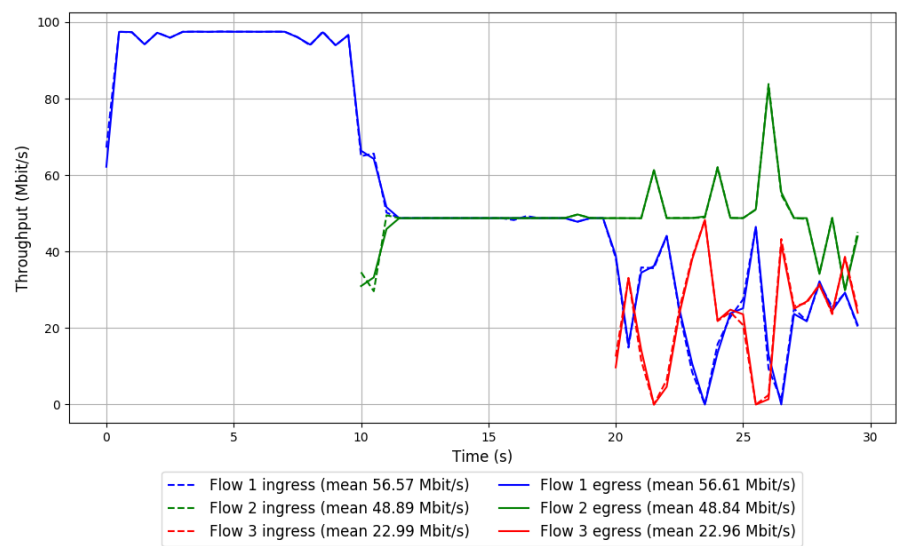


Run 8: Statistics of Verus

Start at: 2018-02-28 02:37:07
End at: 2018-02-28 02:37:37
Local clock offset: 1.779 ms
Remote clock offset: -10.992 ms

Below is generated by plot.py at 2018-02-28 07:25:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 56.936 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 56.61 Mbit/s
95th percentile per-packet one-way delay: 55.138 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 48.84 Mbit/s
95th percentile per-packet one-way delay: 37.343 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 22.96 Mbit/s
95th percentile per-packet one-way delay: 59.761 ms
Loss rate: 0.84%

Run 8: Report of Verus — Data Link

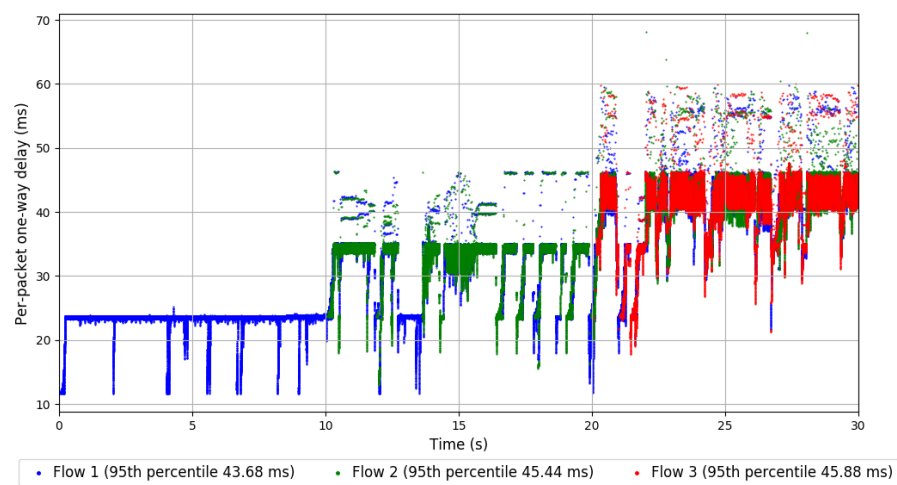
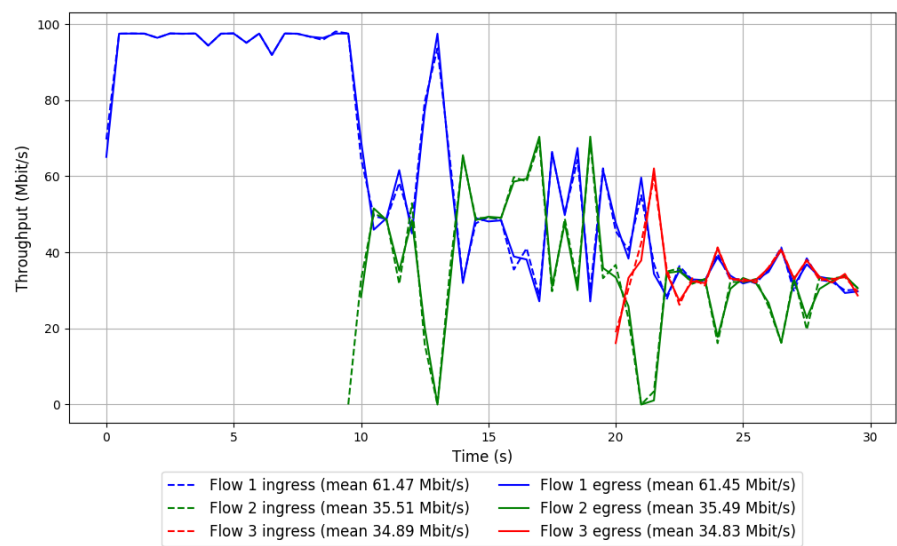


Run 9: Statistics of Verus

Start at: 2018-02-28 02:58:16
End at: 2018-02-28 02:58:46
Local clock offset: 3.042 ms
Remote clock offset: -5.233 ms

Below is generated by plot.py at 2018-02-28 07:25:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.60 Mbit/s
95th percentile per-packet one-way delay: 44.917 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 61.45 Mbit/s
95th percentile per-packet one-way delay: 43.678 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 35.49 Mbit/s
95th percentile per-packet one-way delay: 45.437 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 34.83 Mbit/s
95th percentile per-packet one-way delay: 45.883 ms
Loss rate: 0.48%

Run 9: Report of Verus — Data Link

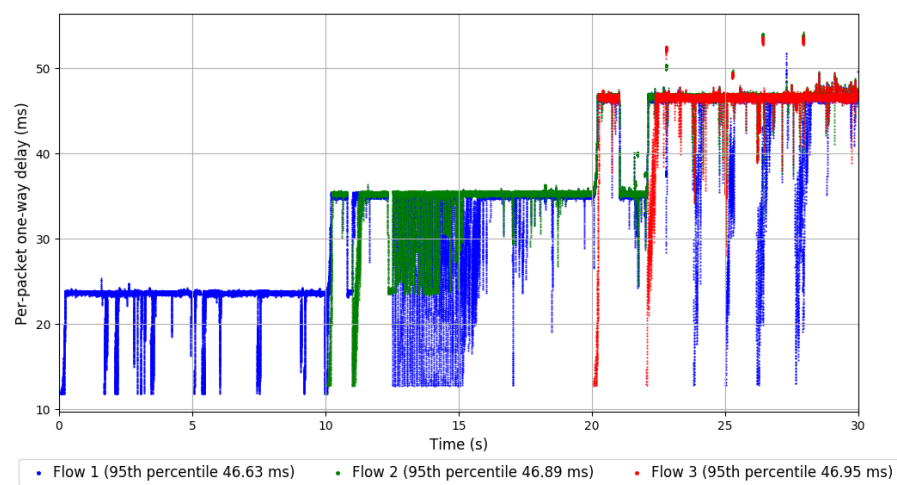
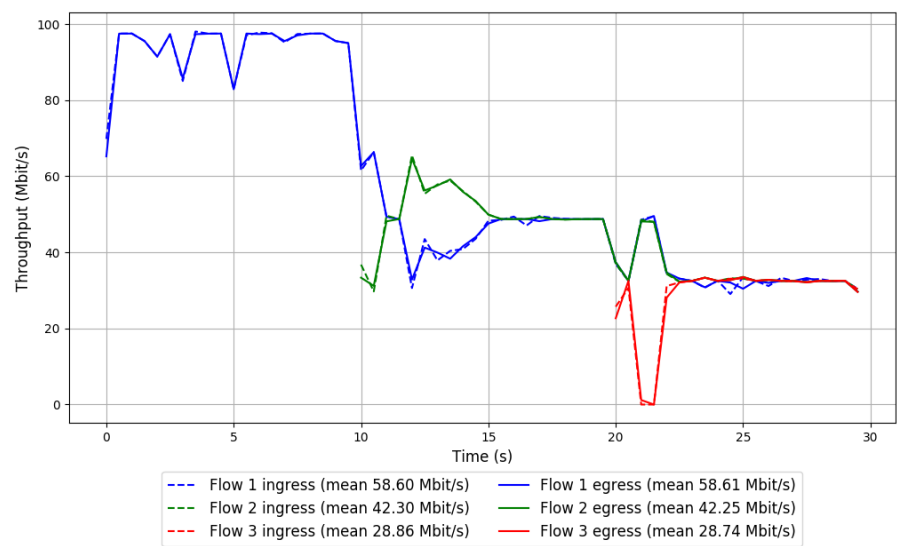


Run 10: Statistics of Verus

Start at: 2018-02-28 03:19:29
End at: 2018-02-28 03:19:59
Local clock offset: 1.07 ms
Remote clock offset: -3.237 ms

Below is generated by plot.py at 2018-02-28 07:25:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 46.816 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 58.61 Mbit/s
95th percentile per-packet one-way delay: 46.629 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 42.25 Mbit/s
95th percentile per-packet one-way delay: 46.888 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 28.74 Mbit/s
95th percentile per-packet one-way delay: 46.948 ms
Loss rate: 0.65%

Run 10: Report of Verus — Data Link

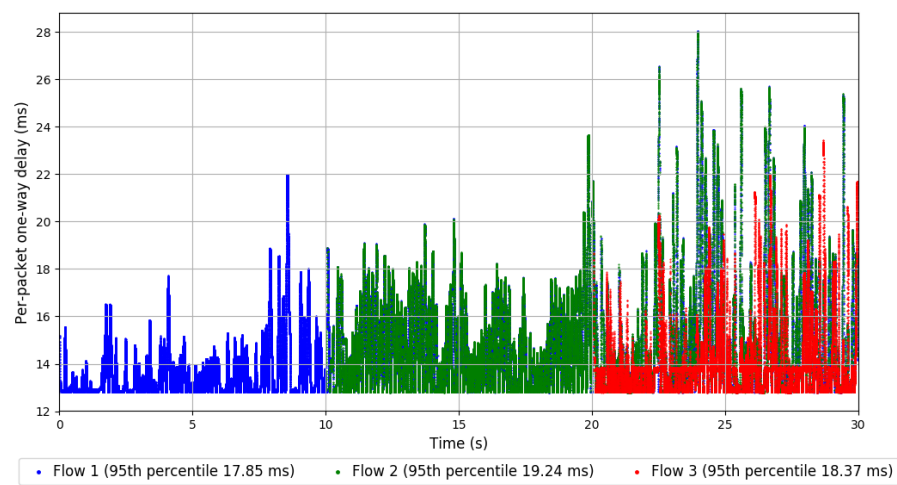
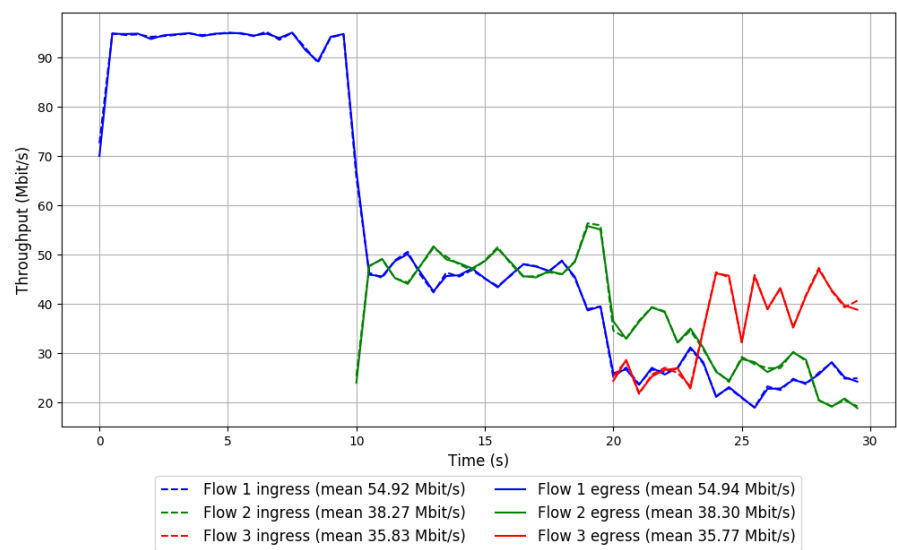


Run 1: Statistics of Copa

Start at: 2018-02-28 00:06:13
End at: 2018-02-28 00:06:43
Local clock offset: 3.964 ms
Remote clock offset: -1.197 ms

Below is generated by plot.py at 2018-02-28 07:27:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.27 Mbit/s
95th percentile per-packet one-way delay: 18.300 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 54.94 Mbit/s
95th percentile per-packet one-way delay: 17.847 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 38.30 Mbit/s
95th percentile per-packet one-way delay: 19.240 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 35.77 Mbit/s
95th percentile per-packet one-way delay: 18.372 ms
Loss rate: 0.40%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-02-28 00:27:17

End at: 2018-02-28 00:27:47

Local clock offset: 3.351 ms

Remote clock offset: -0.65 ms

Below is generated by plot.py at 2018-02-28 07:27:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.83 Mbit/s

95th percentile per-packet one-way delay: 19.905 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 56.20 Mbit/s

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

Loss rate: 0.05%

-- Flow 2:

Average throughput: 33.58 Mbit/s

95th percentile per-packet one-way delay: 20.611 ms

Loss rate: 0.09%

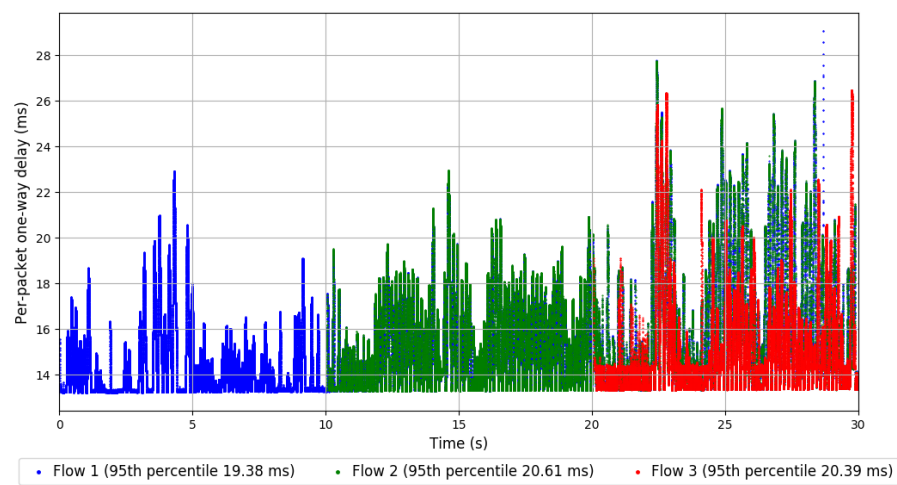
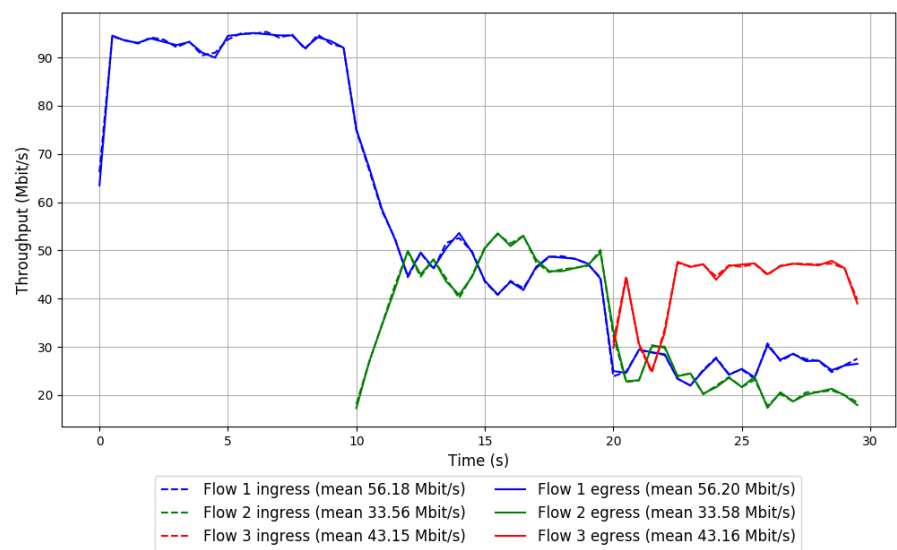
-- Flow 3:

Average throughput: 43.16 Mbit/s

95th percentile per-packet one-way delay: 20.392 ms

Loss rate: 0.22%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-02-28 00:48:19

End at: 2018-02-28 00:48:49

Local clock offset: 2.499 ms

Remote clock offset: 1.859 ms

Below is generated by plot.py at 2018-02-28 07:27:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.31 Mbit/s

95th percentile per-packet one-way delay: 18.666 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 57.03 Mbit/s

95th percentile per-packet one-way delay: 18.330 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 37.31 Mbit/s

95th percentile per-packet one-way delay: 18.322 ms

Loss rate: 0.09%

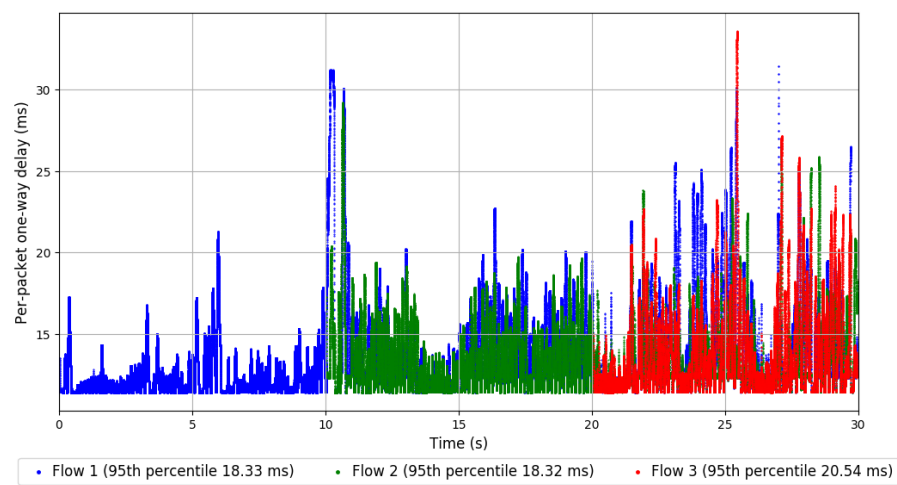
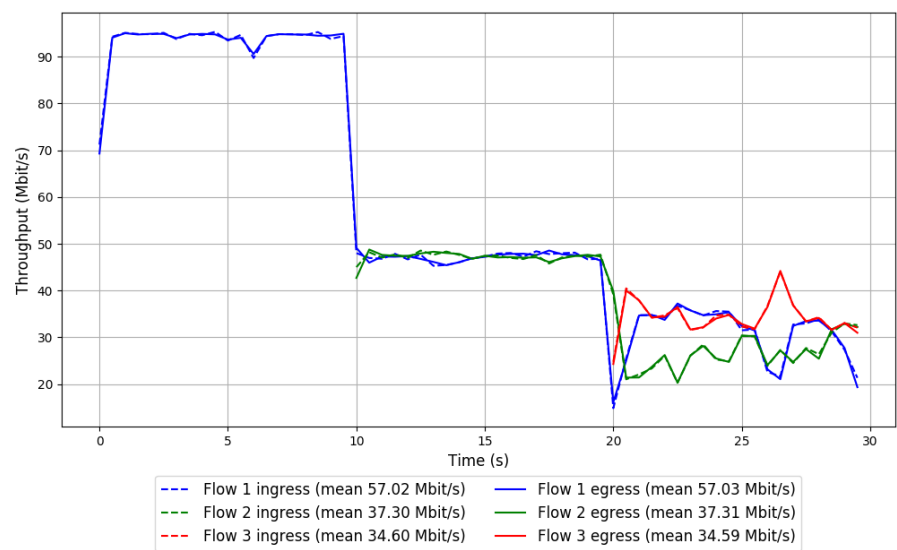
-- Flow 3:

Average throughput: 34.59 Mbit/s

95th percentile per-packet one-way delay: 20.539 ms

Loss rate: 0.30%

Run 3: Report of Copa — Data Link

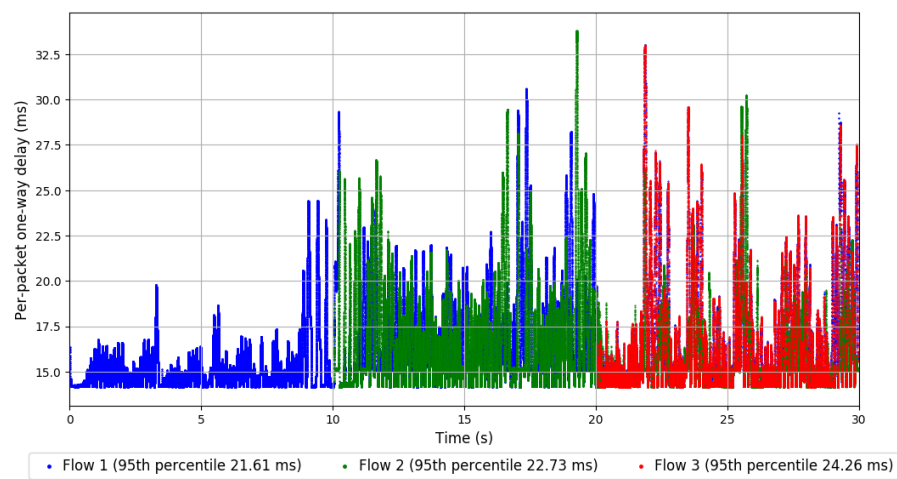
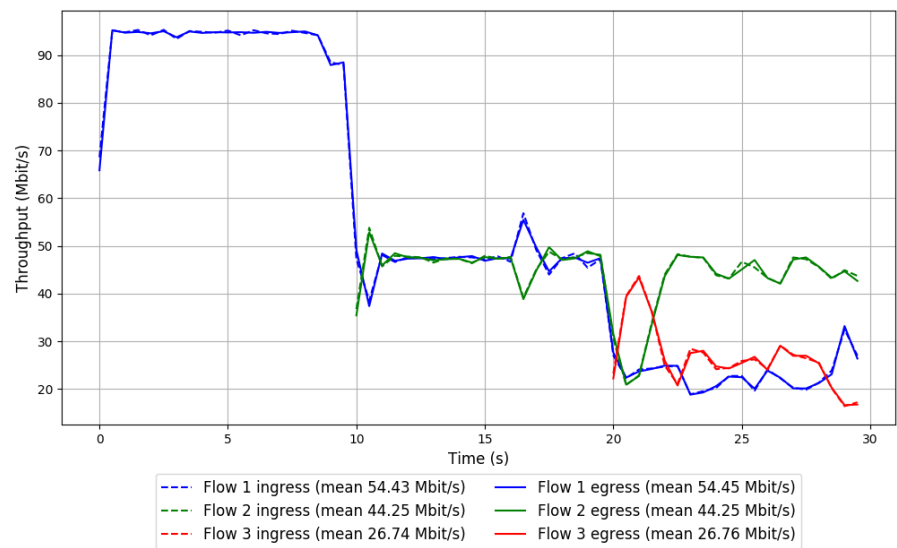


Run 4: Statistics of Copa

Start at: 2018-02-28 01:09:28
End at: 2018-02-28 01:09:58
Local clock offset: 5.013 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-02-28 07:27:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.75 Mbit/s
95th percentile per-packet one-way delay: 22.302 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 54.45 Mbit/s
95th percentile per-packet one-way delay: 21.612 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 44.25 Mbit/s
95th percentile per-packet one-way delay: 22.735 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 26.76 Mbit/s
95th percentile per-packet one-way delay: 24.261 ms
Loss rate: 0.18%

Run 4: Report of Copa — Data Link

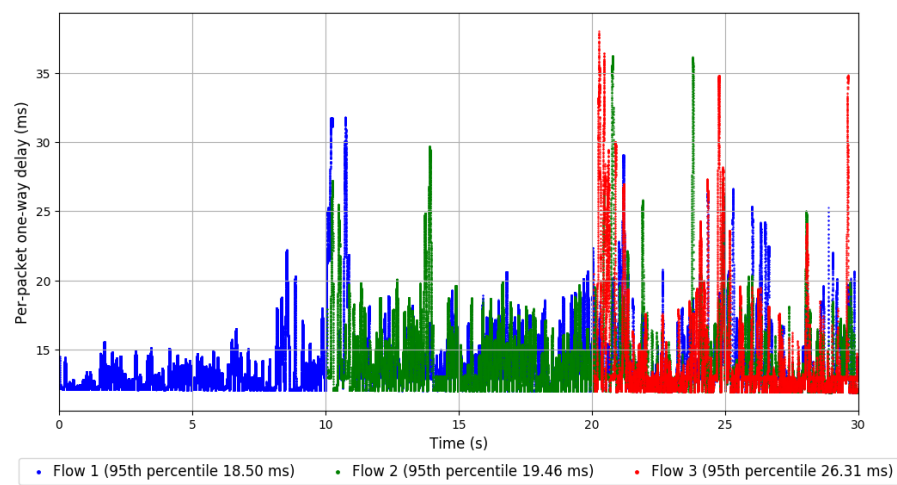
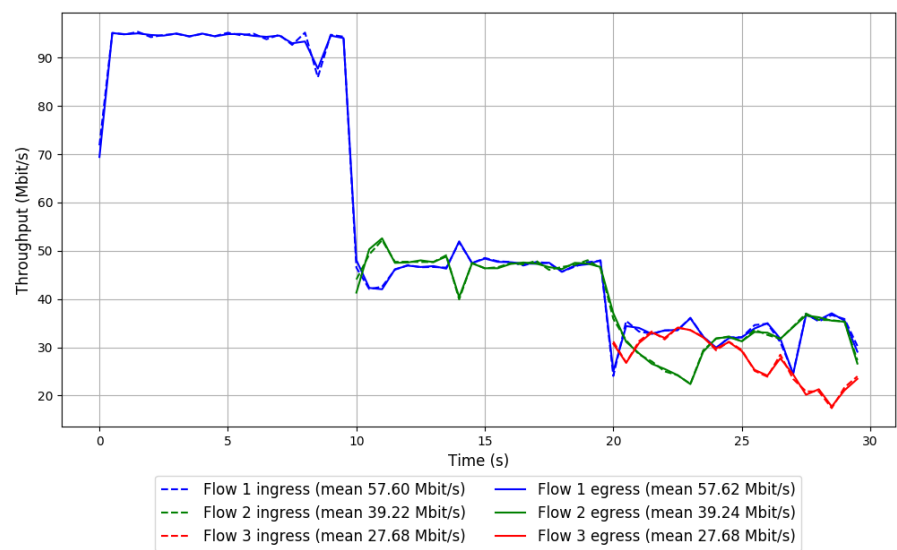


Run 5: Statistics of Copa

Start at: 2018-02-28 01:30:29
End at: 2018-02-28 01:30:59
Local clock offset: 2.705 ms
Remote clock offset: -1.555 ms

Below is generated by plot.py at 2018-02-28 07:27:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.87 Mbit/s
95th percentile per-packet one-way delay: 19.333 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 57.62 Mbit/s
95th percentile per-packet one-way delay: 18.495 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.24 Mbit/s
95th percentile per-packet one-way delay: 19.456 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 27.68 Mbit/s
95th percentile per-packet one-way delay: 26.306 ms
Loss rate: 0.24%

Run 5: Report of Copa — Data Link

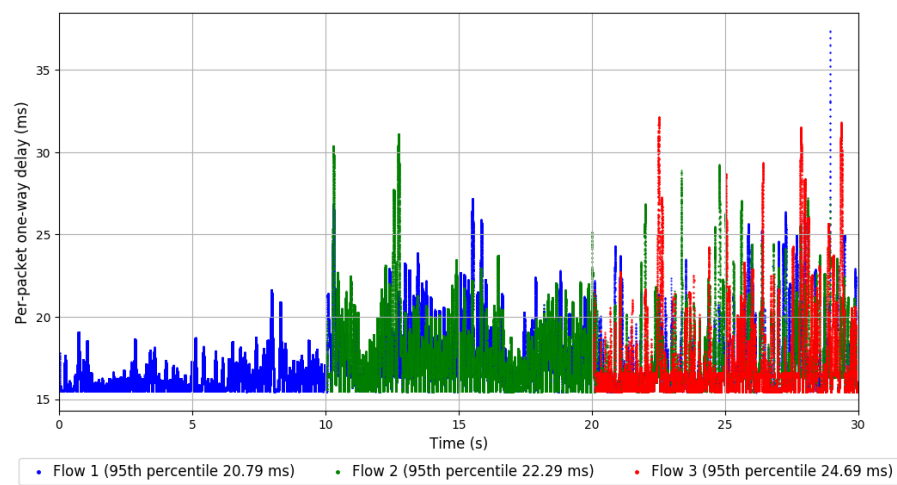
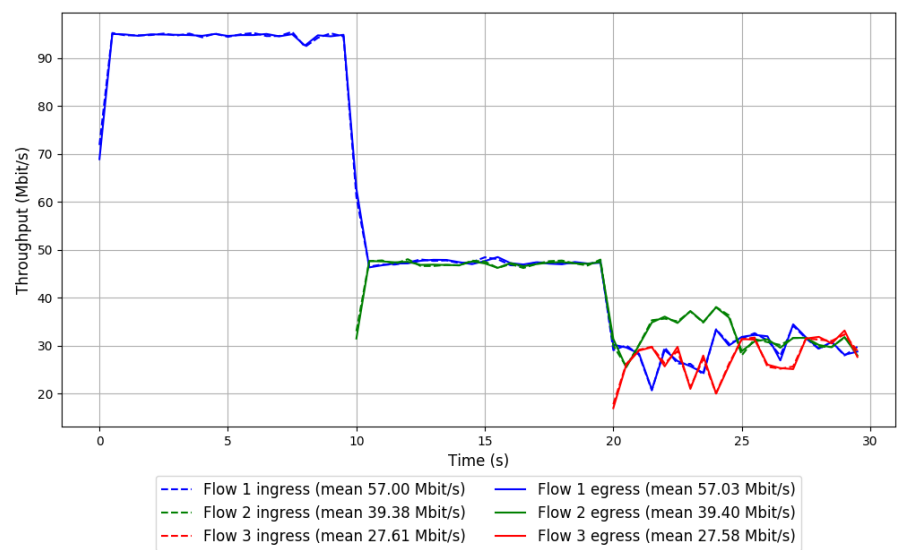


Run 6: Statistics of Copa

Start at: 2018-02-28 01:51:39
End at: 2018-02-28 01:52:09
Local clock offset: 5.926 ms
Remote clock offset: -5.858 ms

Below is generated by plot.py at 2018-02-28 07:28:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 21.621 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 57.03 Mbit/s
95th percentile per-packet one-way delay: 20.793 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 22.287 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 27.58 Mbit/s
95th percentile per-packet one-way delay: 24.689 ms
Loss rate: 0.34%

Run 6: Report of Copa — Data Link

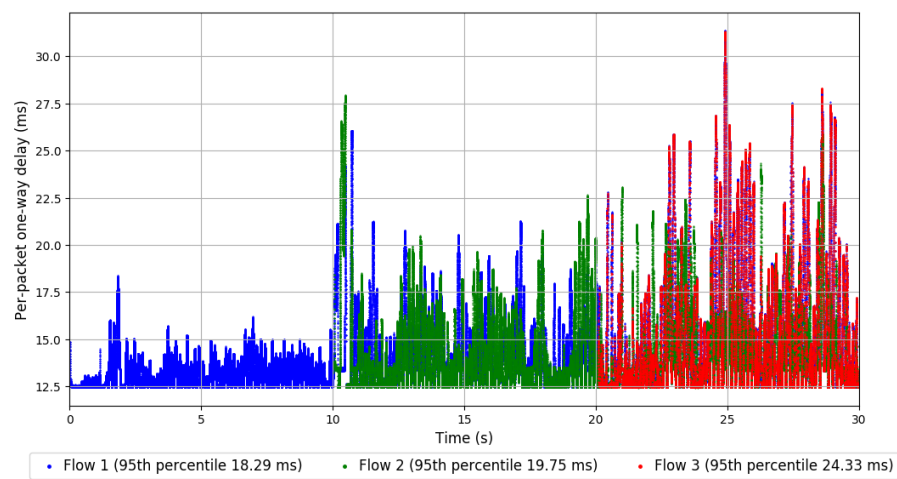
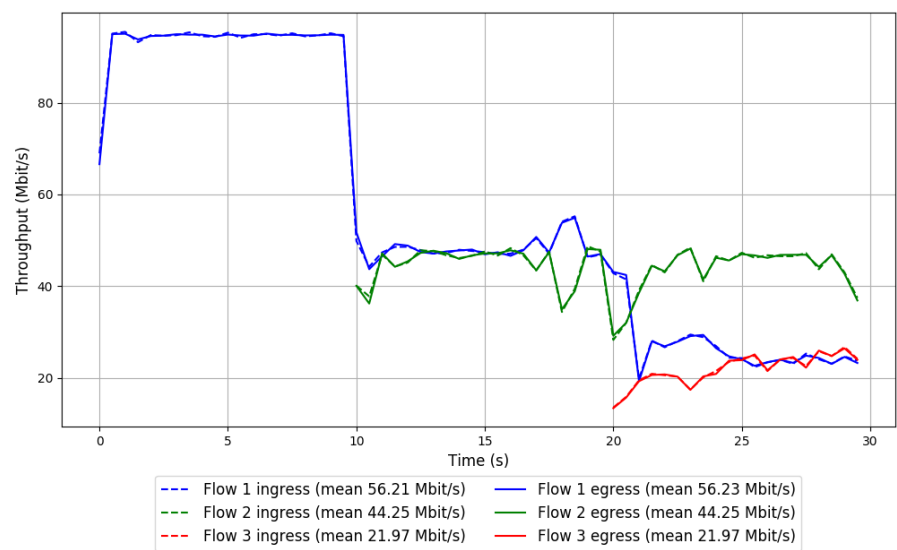


Run 7: Statistics of Copa

Start at: 2018-02-28 02:12:49
End at: 2018-02-28 02:13:20
Local clock offset: 2.123 ms
Remote clock offset: -7.559 ms

Below is generated by plot.py at 2018-02-28 07:28:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.94 Mbit/s
95th percentile per-packet one-way delay: 19.576 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 56.23 Mbit/s
95th percentile per-packet one-way delay: 18.289 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 44.25 Mbit/s
95th percentile per-packet one-way delay: 19.753 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 21.97 Mbit/s
95th percentile per-packet one-way delay: 24.328 ms
Loss rate: 0.27%

Run 7: Report of Copa — Data Link

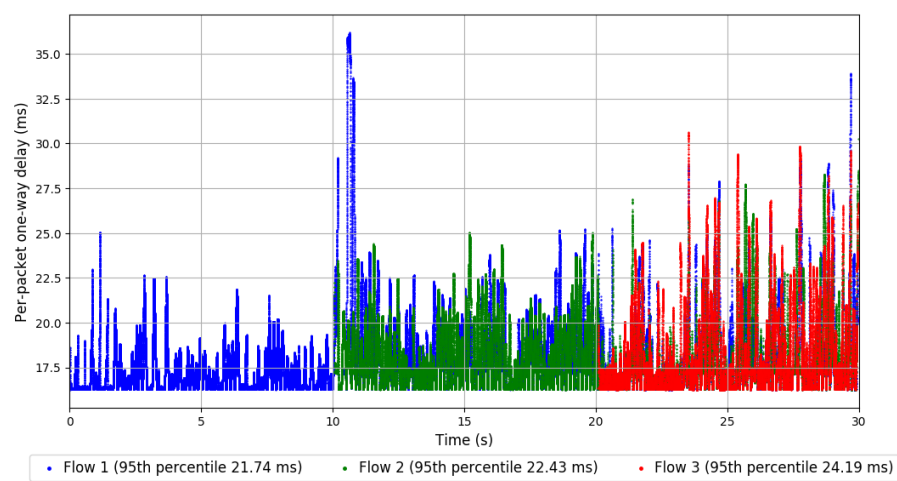
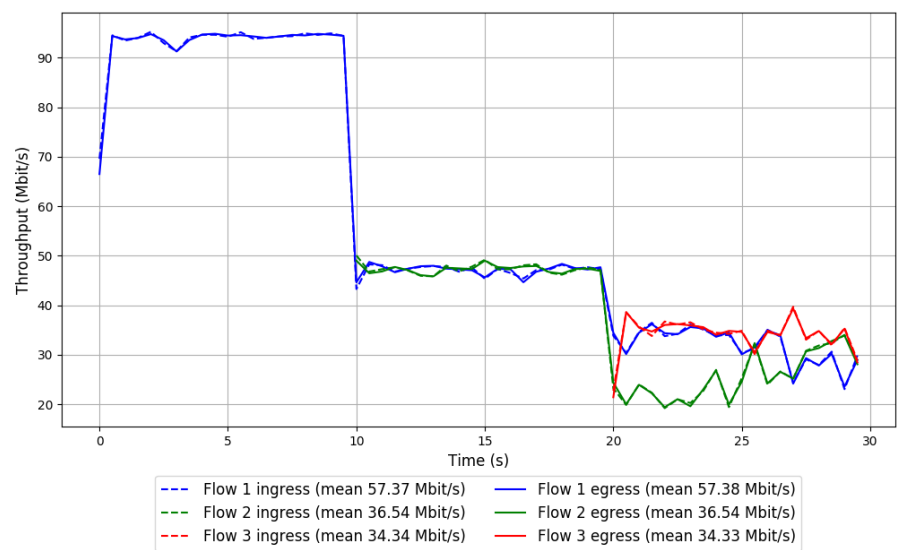


Run 8: Statistics of Copa

Start at: 2018-02-28 02:34:26
End at: 2018-02-28 02:34:56
Local clock offset: 4.892 ms
Remote clock offset: -10.057 ms

Below is generated by plot.py at 2018-02-28 07:28:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.06 Mbit/s
95th percentile per-packet one-way delay: 22.277 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.38 Mbit/s
95th percentile per-packet one-way delay: 21.739 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.54 Mbit/s
95th percentile per-packet one-way delay: 22.433 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 34.33 Mbit/s
95th percentile per-packet one-way delay: 24.192 ms
Loss rate: 0.25%

Run 8: Report of Copa — Data Link

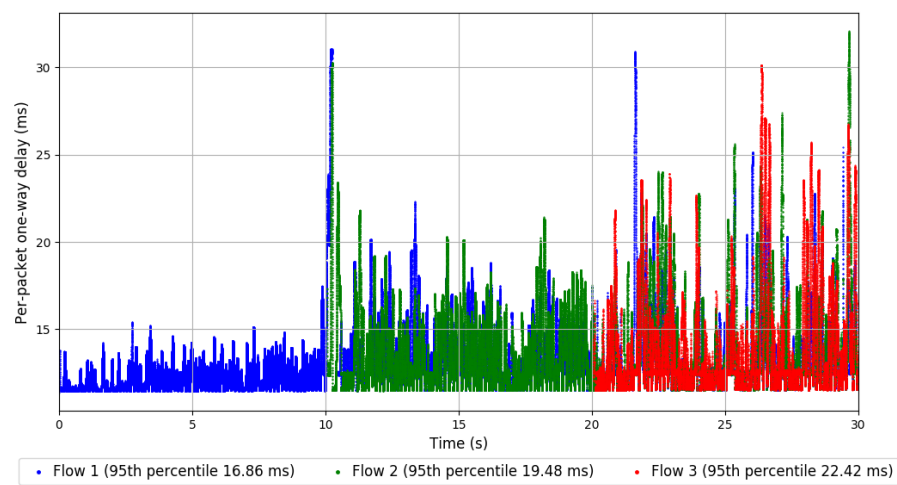
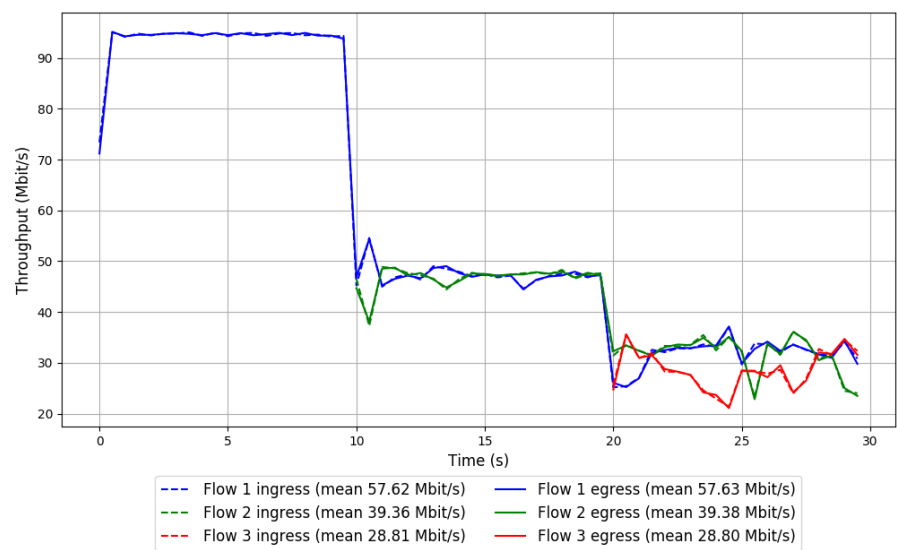


Run 9: Statistics of Copa

Start at: 2018-02-28 02:55:53
End at: 2018-02-28 02:56:23
Local clock offset: 3.045 ms
Remote clock offset: -5.354 ms

Below is generated by plot.py at 2018-02-28 07:29:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.35 Mbit/s
95th percentile per-packet one-way delay: 18.430 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 57.63 Mbit/s
95th percentile per-packet one-way delay: 16.860 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.38 Mbit/s
95th percentile per-packet one-way delay: 19.478 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 28.80 Mbit/s
95th percentile per-packet one-way delay: 22.420 ms
Loss rate: 0.31%

Run 9: Report of Copa — Data Link

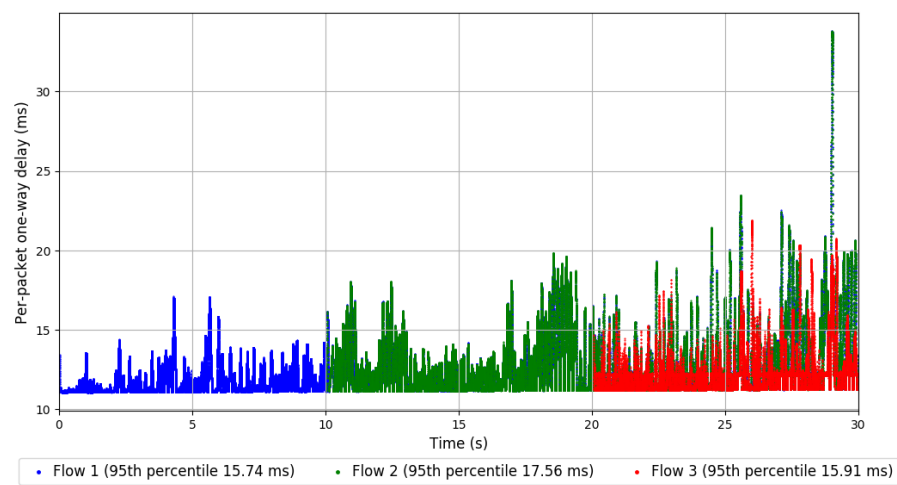
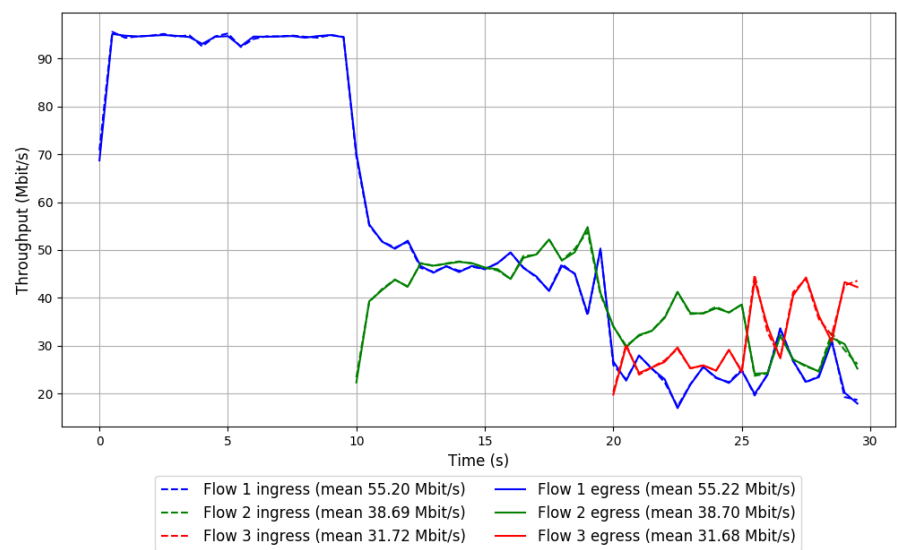


Run 10: Statistics of Copa

Start at: 2018-02-28 03:17:06
End at: 2018-02-28 03:17:36
Local clock offset: 0.838 ms
Remote clock offset: -3.493 ms

Below is generated by plot.py at 2018-02-28 07:29:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.47 Mbit/s
95th percentile per-packet one-way delay: 16.375 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 55.22 Mbit/s
95th percentile per-packet one-way delay: 15.737 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.70 Mbit/s
95th percentile per-packet one-way delay: 17.563 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 15.910 ms
Loss rate: 0.37%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-02-28 00:18:03

End at: 2018-02-28 00:18:33

Local clock offset: 5.096 ms

Remote clock offset: -2.07 ms

Below is generated by plot.py at 2018-02-28 07:29:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.73 Mbit/s

95th percentile per-packet one-way delay: 54.355 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 56.81 Mbit/s

95th percentile per-packet one-way delay: 53.616 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 48.26 Mbit/s

95th percentile per-packet one-way delay: 35.899 ms

Loss rate: 0.21%

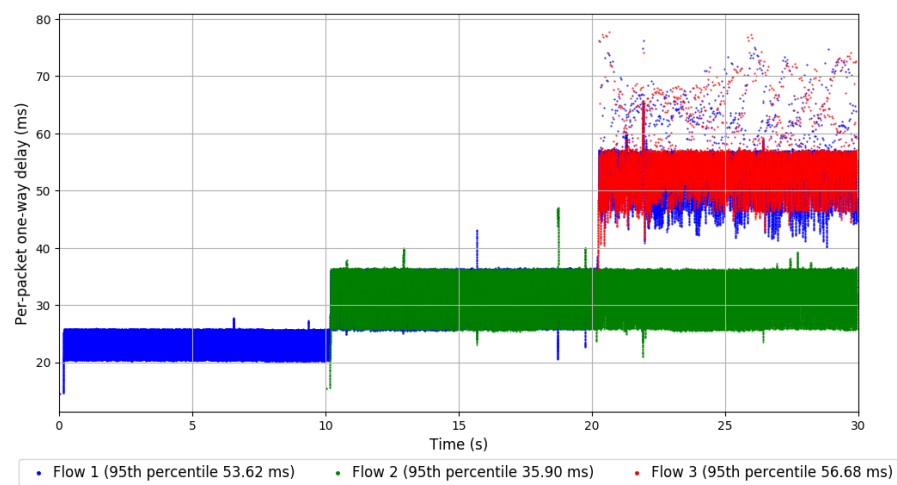
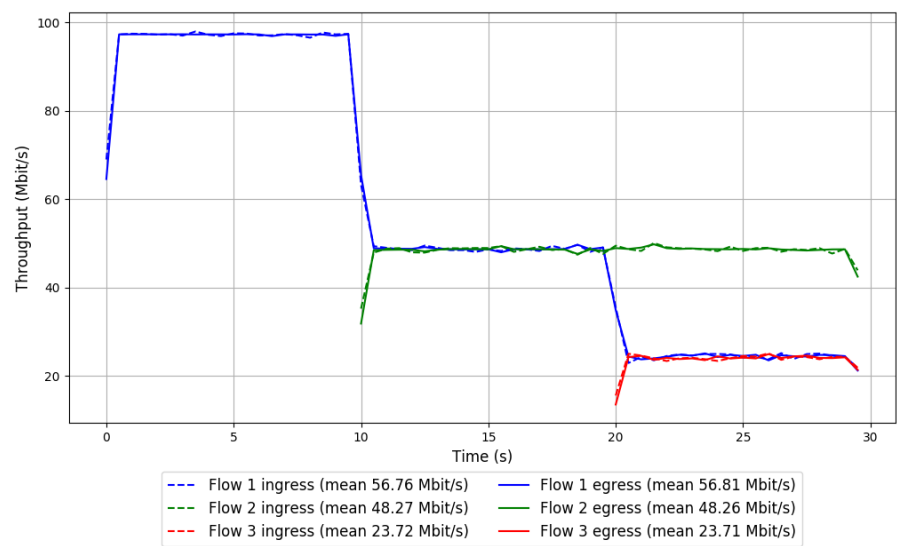
-- Flow 3:

Average throughput: 23.71 Mbit/s

95th percentile per-packet one-way delay: 56.680 ms

Loss rate: 0.60%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-02-28 00:39:07

End at: 2018-02-28 00:39:37

Local clock offset: 4.672 ms

Remote clock offset: 0.609 ms

Below is generated by plot.py at 2018-02-28 07:29:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.69 Mbit/s

95th percentile per-packet one-way delay: 45.908 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 59.29 Mbit/s

95th percentile per-packet one-way delay: 44.843 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 40.36 Mbit/s

95th percentile per-packet one-way delay: 46.008 ms

Loss rate: 0.18%

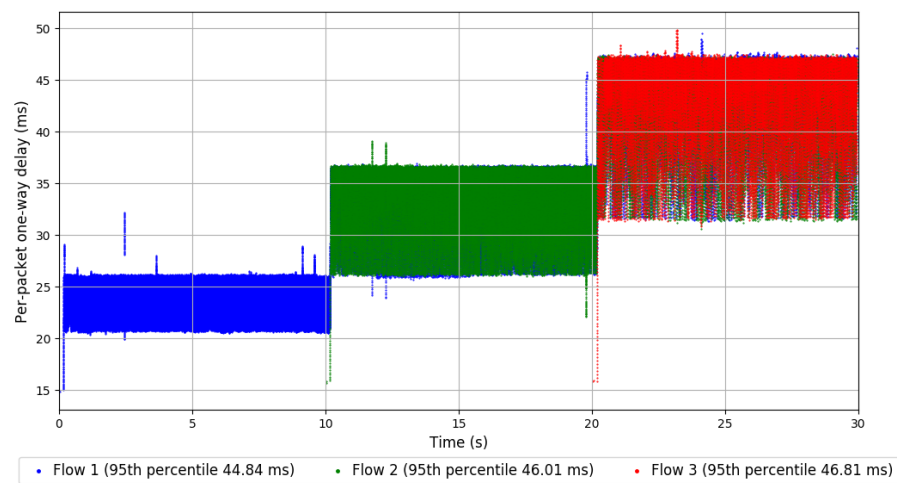
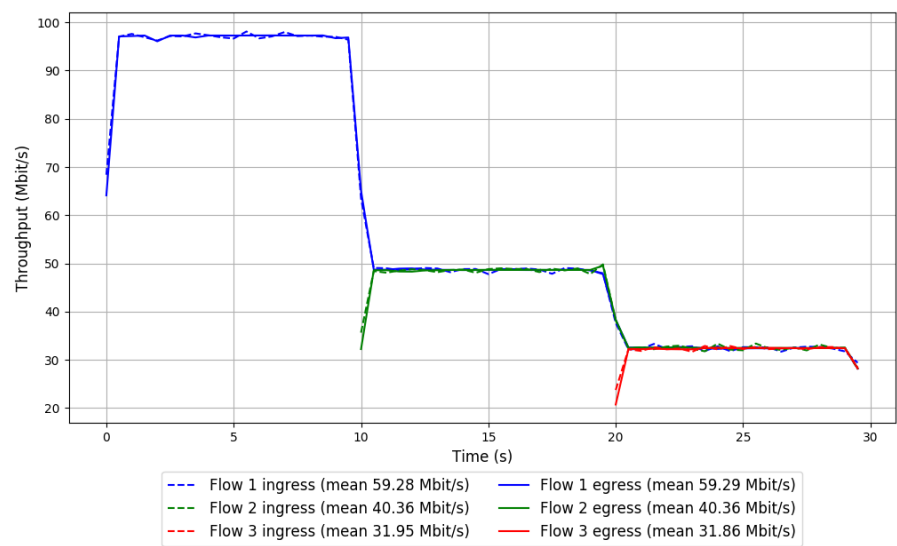
-- Flow 3:

Average throughput: 31.86 Mbit/s

95th percentile per-packet one-way delay: 46.812 ms

Loss rate: 0.47%

Run 2: Report of FillP — Data Link

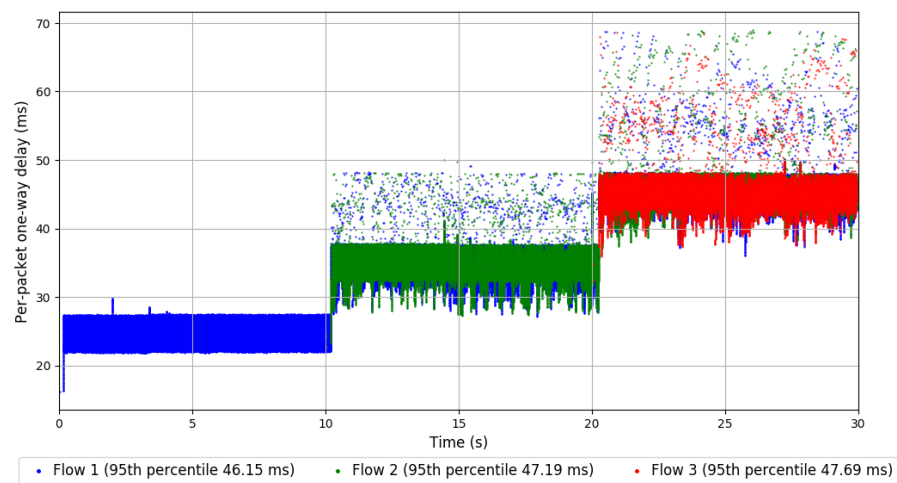
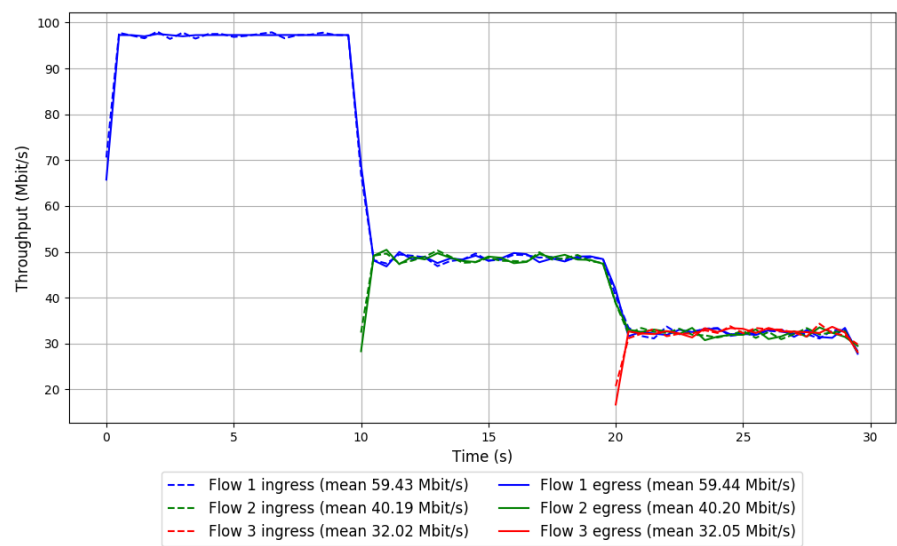


Run 3: Statistics of FillP

Start at: 2018-02-28 01:00:10
End at: 2018-02-28 01:00:40
Local clock offset: 6.173 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-02-28 07:29:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 46.924 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 59.44 Mbit/s
95th percentile per-packet one-way delay: 46.147 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.20 Mbit/s
95th percentile per-packet one-way delay: 47.191 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 32.05 Mbit/s
95th percentile per-packet one-way delay: 47.686 ms
Loss rate: 0.59%

Run 3: Report of FillP — Data Link

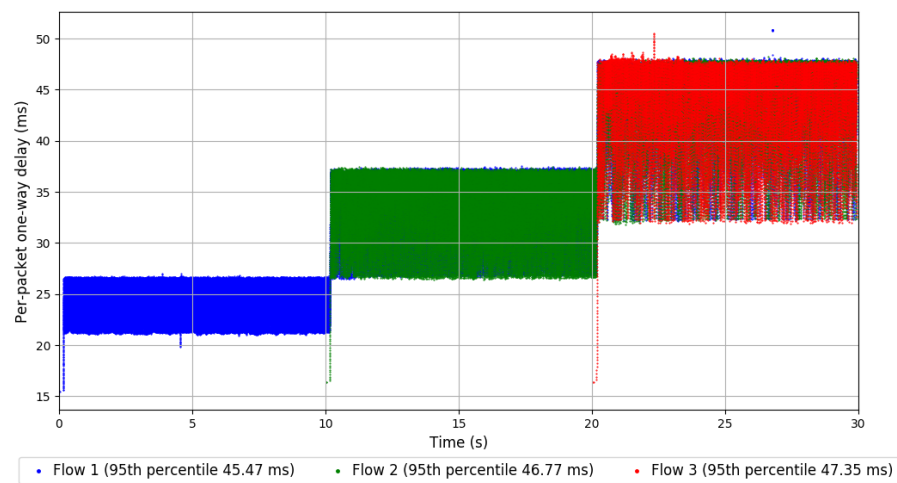
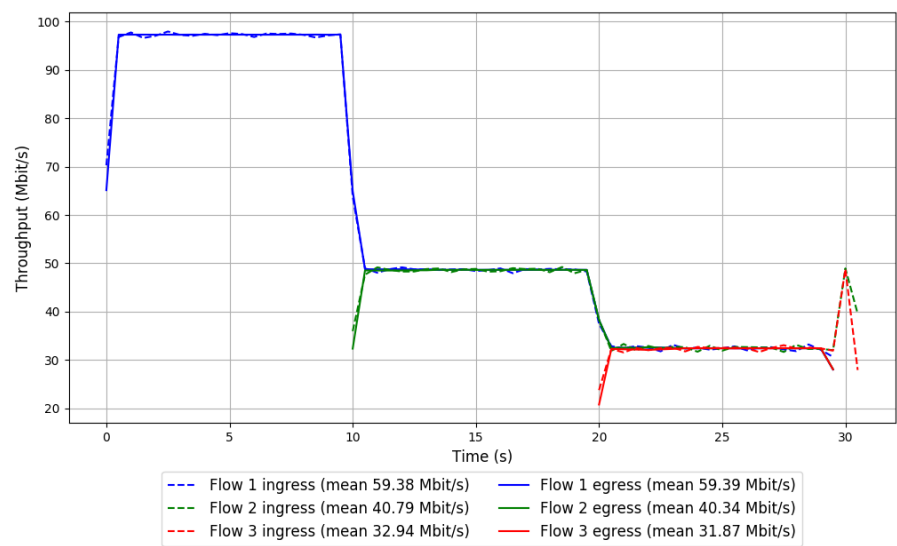


Run 4: Statistics of FillP

Start at: 2018-02-28 01:21:18
End at: 2018-02-28 01:21:48
Local clock offset: 5.108 ms
Remote clock offset: -1.959 ms

Below is generated by plot.py at 2018-02-28 07:29:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 46.546 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 59.39 Mbit/s
95th percentile per-packet one-way delay: 45.466 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 40.34 Mbit/s
95th percentile per-packet one-way delay: 46.766 ms
Loss rate: 5.59%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 47.353 ms
Loss rate: 11.68%

Run 4: Report of FillP — Data Link

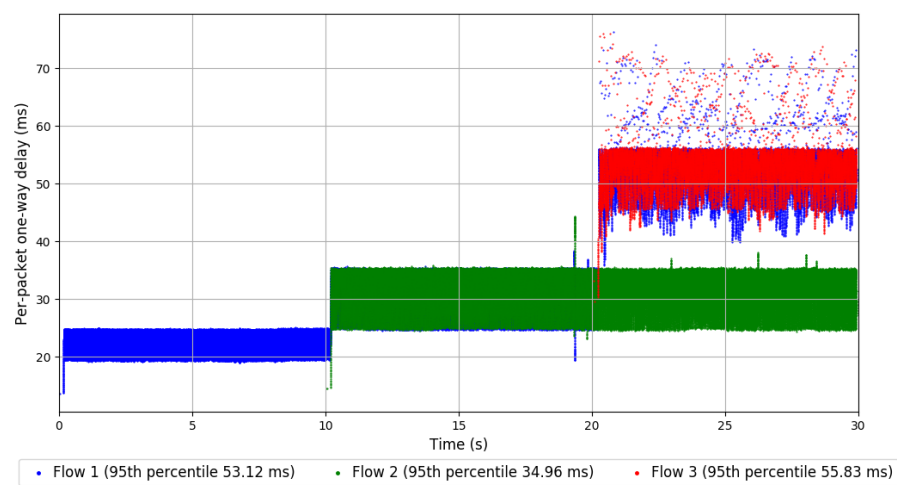
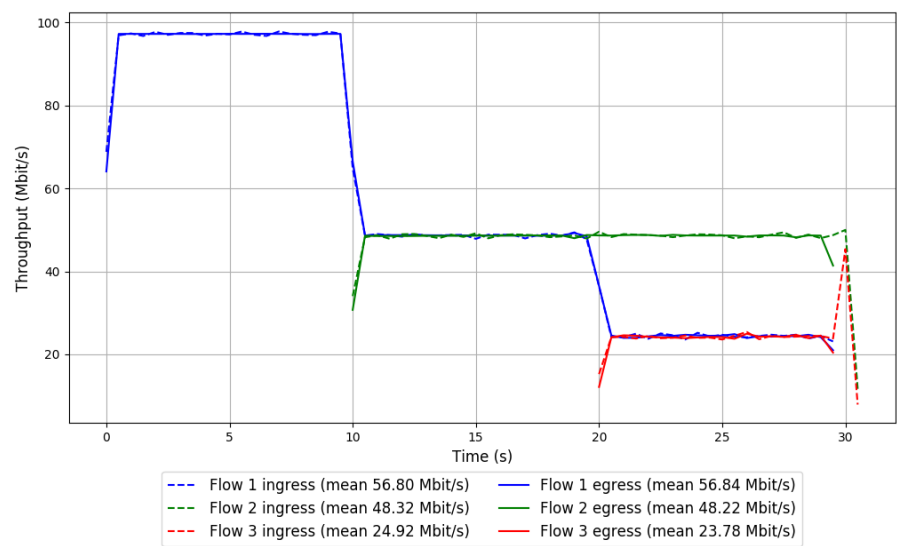


Run 5: Statistics of FillP

Start at: 2018-02-28 01:42:23
End at: 2018-02-28 01:42:53
Local clock offset: 5.415 ms
Remote clock offset: -3.812 ms

Below is generated by plot.py at 2018-02-28 07:30:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 53.756 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 56.84 Mbit/s
95th percentile per-packet one-way delay: 53.118 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 48.22 Mbit/s
95th percentile per-packet one-way delay: 34.957 ms
Loss rate: 3.61%
-- Flow 3:
Average throughput: 23.78 Mbit/s
95th percentile per-packet one-way delay: 55.830 ms
Loss rate: 11.20%

Run 5: Report of FillP — Data Link

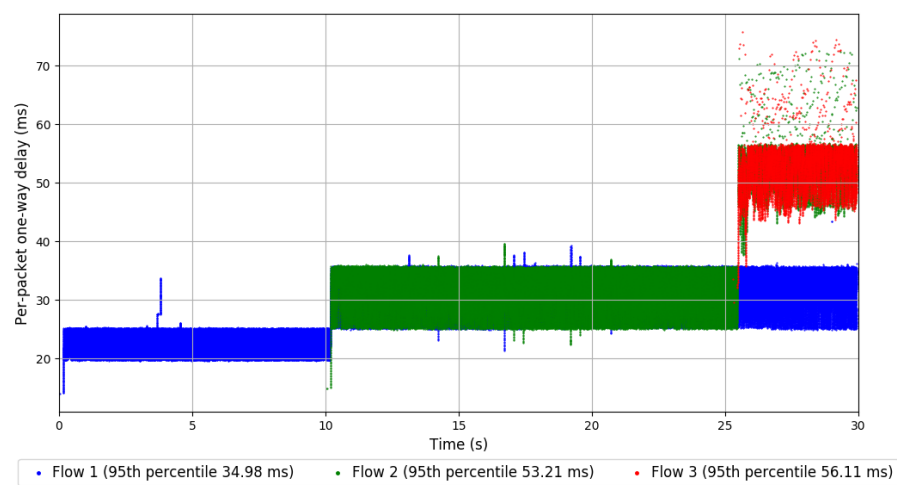
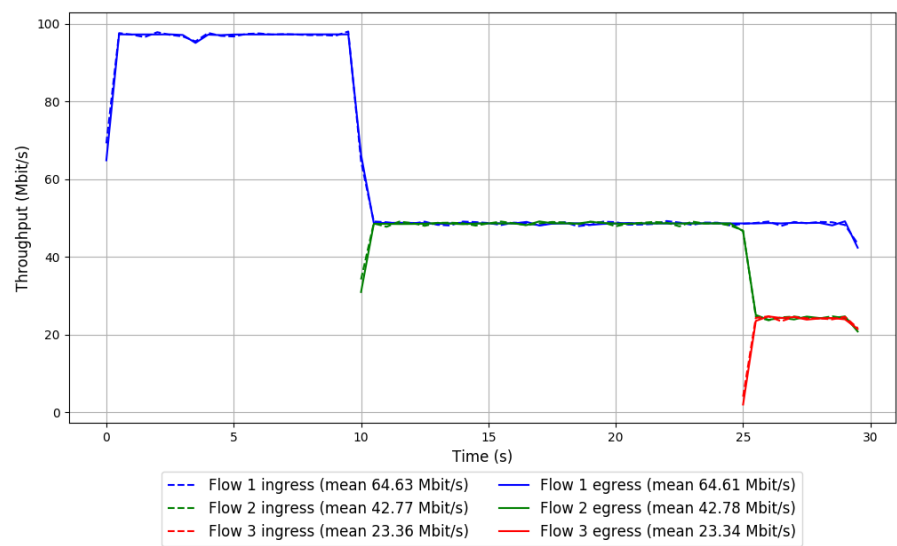


Run 6: Statistics of FillP

Start at: 2018-02-28 02:03:32
End at: 2018-02-28 02:04:02
Local clock offset: 4.285 ms
Remote clock offset: -6.515 ms

Below is generated by plot.py at 2018-02-28 07:30:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 50.523 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 64.61 Mbit/s
95th percentile per-packet one-way delay: 34.980 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 42.78 Mbit/s
95th percentile per-packet one-way delay: 53.208 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 23.34 Mbit/s
95th percentile per-packet one-way delay: 56.108 ms
Loss rate: 1.33%

Run 6: Report of FillP — Data Link

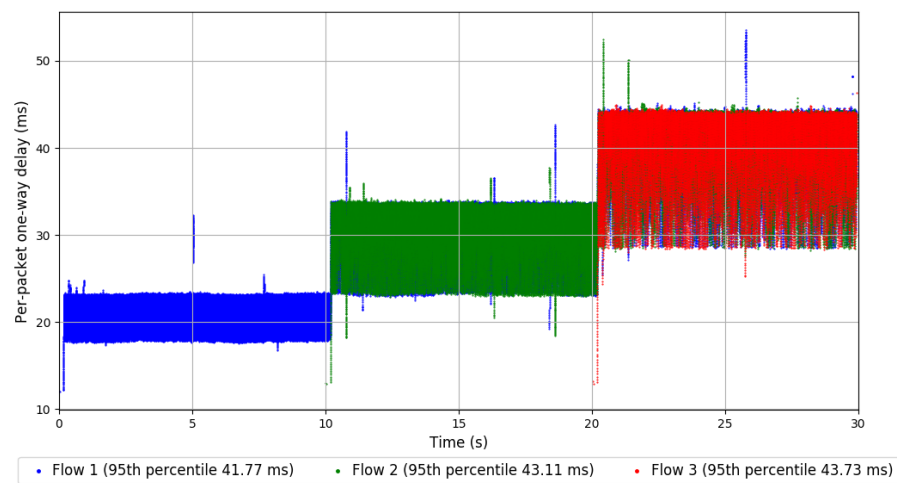
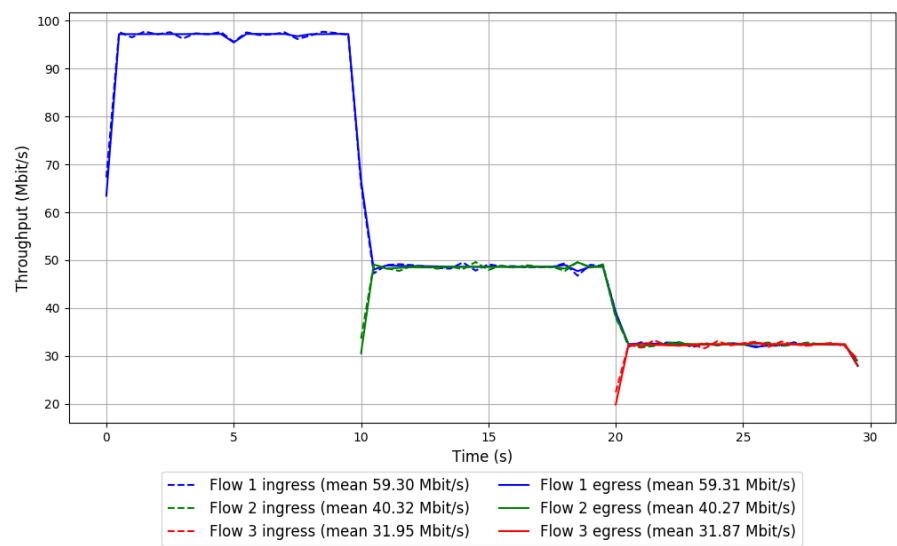


Run 7: Statistics of FillP

Start at: 2018-02-28 02:25:04
End at: 2018-02-28 02:25:34
Local clock offset: 1.686 ms
Remote clock offset: -8.473 ms

Below is generated by plot.py at 2018-02-28 07:30:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 42.894 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 59.31 Mbit/s
95th percentile per-packet one-way delay: 41.769 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.27 Mbit/s
95th percentile per-packet one-way delay: 43.109 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 43.727 ms
Loss rate: 0.57%

Run 7: Report of FillP — Data Link

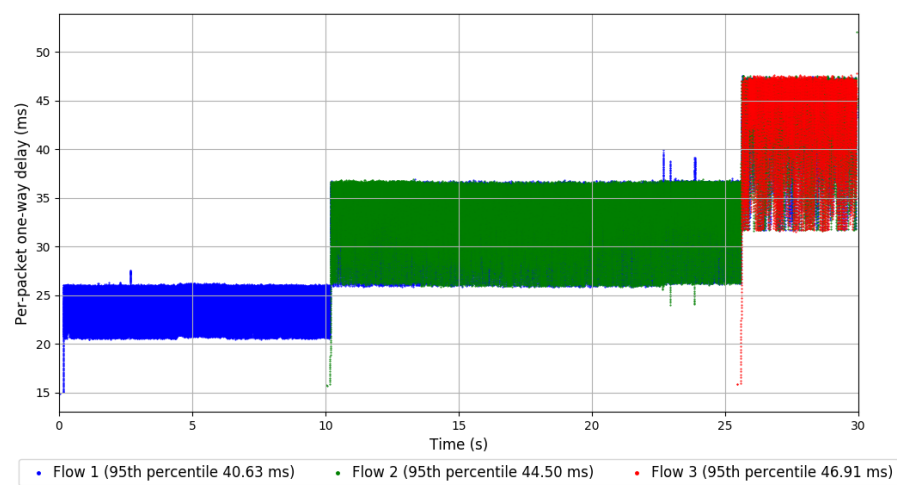
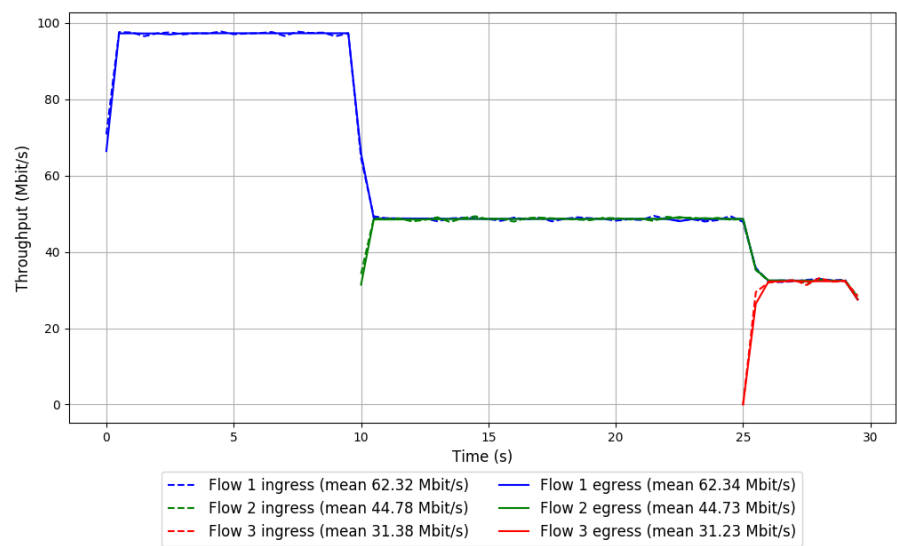


Run 8: Statistics of FillP

Start at: 2018-02-28 02:46:40
End at: 2018-02-28 02:47:10
Local clock offset: 3.954 ms
Remote clock offset: -7.141 ms

Below is generated by plot.py at 2018-02-28 07:30:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 44.323 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 62.34 Mbit/s
95th percentile per-packet one-way delay: 40.630 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 44.73 Mbit/s
95th percentile per-packet one-way delay: 44.499 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 31.23 Mbit/s
95th percentile per-packet one-way delay: 46.909 ms
Loss rate: 1.31%

Run 8: Report of FillP — Data Link

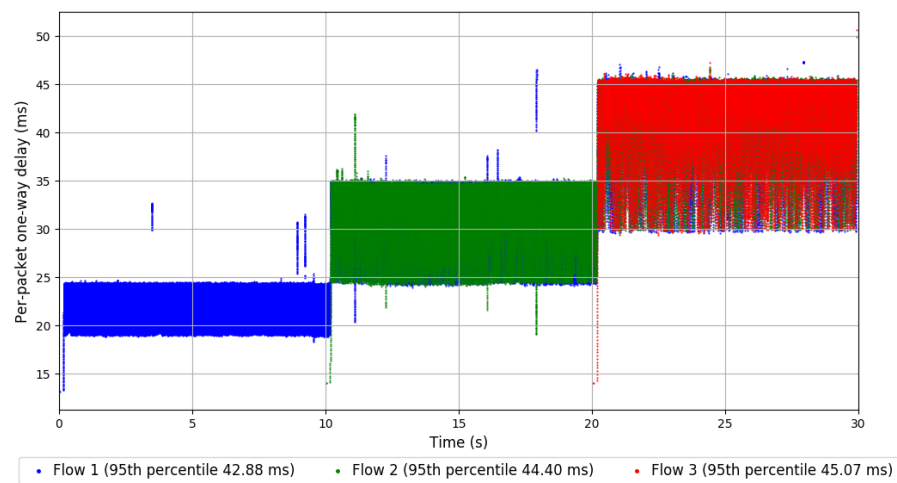
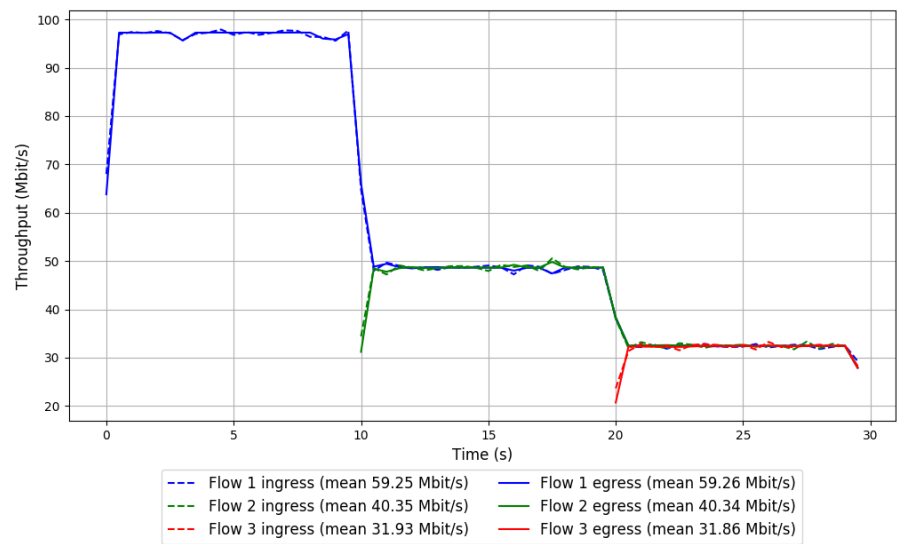


Run 9: Statistics of FillP

Start at: 2018-02-28 03:07:46
End at: 2018-02-28 03:08:16
Local clock offset: 3.459 ms
Remote clock offset: -6.128 ms

Below is generated by plot.py at 2018-02-28 07:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.64 Mbit/s
95th percentile per-packet one-way delay: 44.162 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 59.26 Mbit/s
95th percentile per-packet one-way delay: 42.882 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.34 Mbit/s
95th percentile per-packet one-way delay: 44.403 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 45.071 ms
Loss rate: 0.52%

Run 9: Report of FillP — Data Link

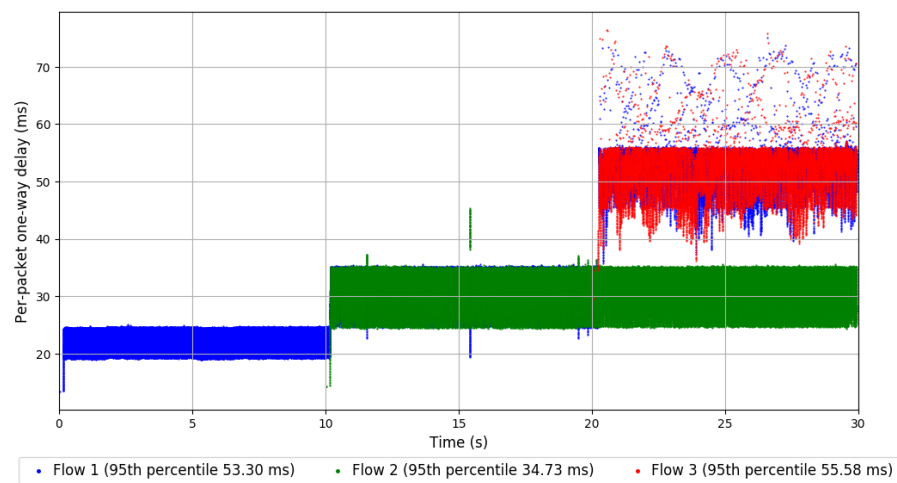
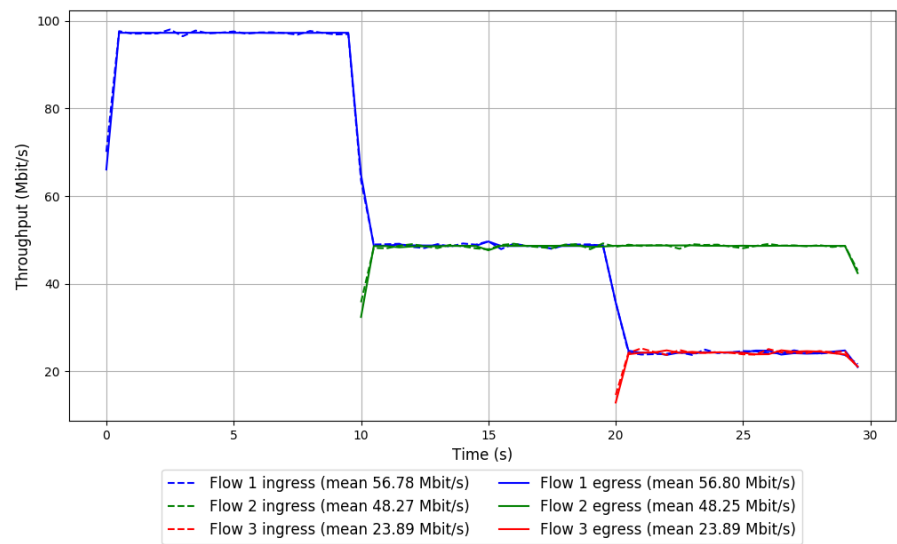


```
Run 10: Statistics of FillP

Start at: 2018-02-28 03:29:02
End at: 2018-02-28 03:29:32
Local clock offset: 3.895 ms
Remote clock offset: 0.028 ms

# Below is generated by plot.py at 2018-02-28 07:31:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 53.554 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 56.80 Mbit/s
95th percentile per-packet one-way delay: 53.303 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 48.25 Mbit/s
95th percentile per-packet one-way delay: 34.733 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 23.89 Mbit/s
95th percentile per-packet one-way delay: 55.580 ms
Loss rate: 0.60%
```

Run 10: Report of FillP — Data Link

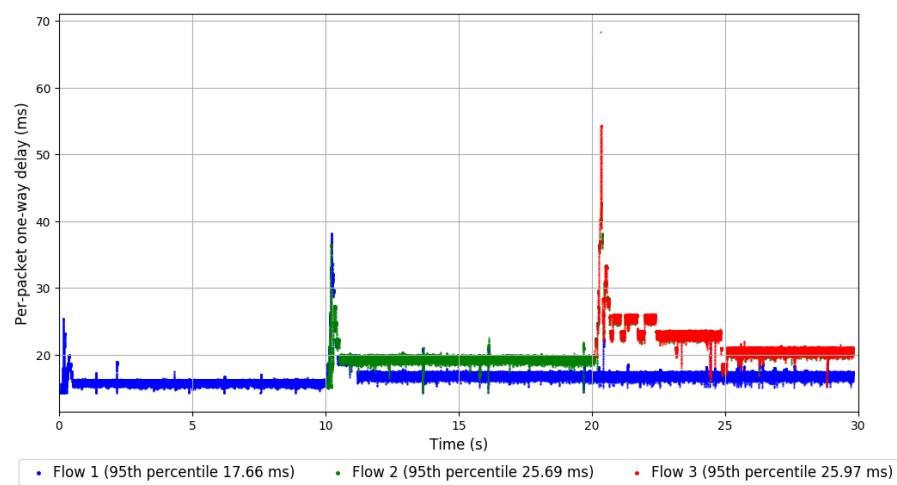
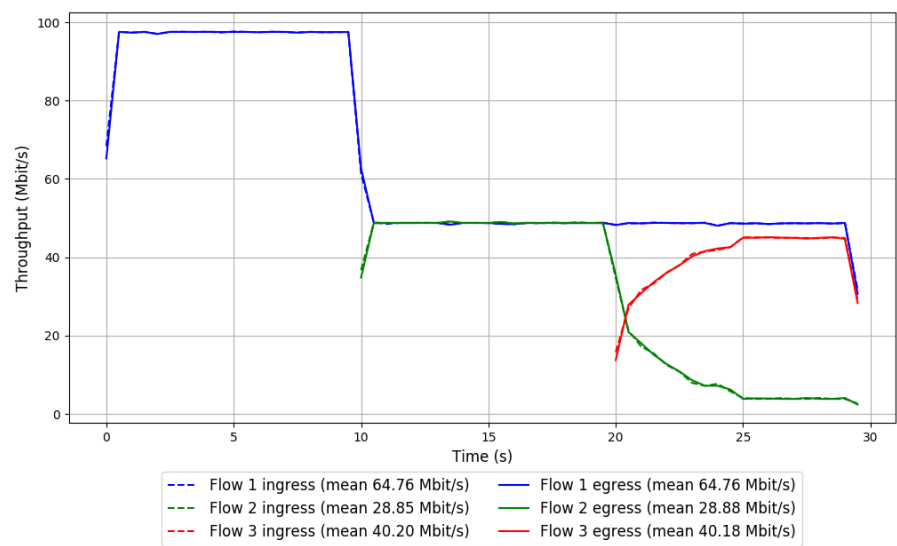


Run 1: Statistics of Indigo-1-32

Start at: 2018-02-28 00:02:49
End at: 2018-02-28 00:03:19
Local clock offset: 4.377 ms
Remote clock offset: -2.202 ms

Below is generated by plot.py at 2018-02-28 07:31:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 23.459 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 64.76 Mbit/s
95th percentile per-packet one-way delay: 17.661 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 28.88 Mbit/s
95th percentile per-packet one-way delay: 25.689 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 40.18 Mbit/s
95th percentile per-packet one-way delay: 25.966 ms
Loss rate: 0.35%

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

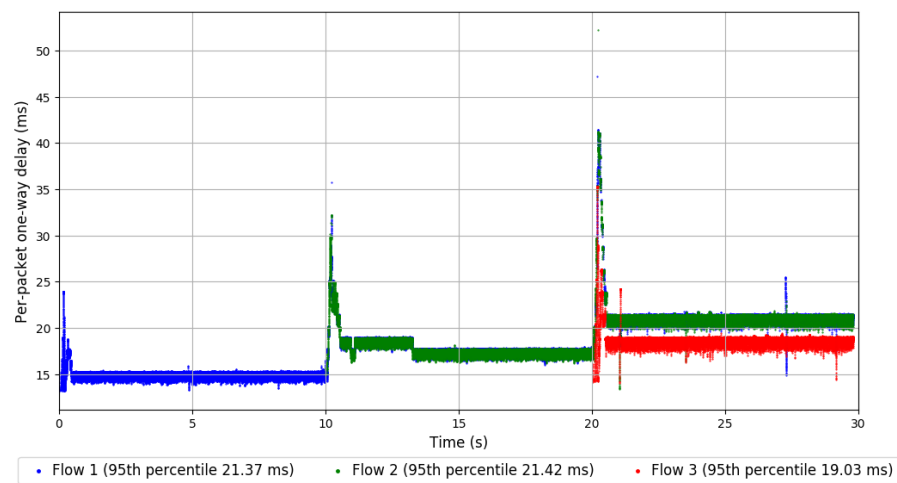
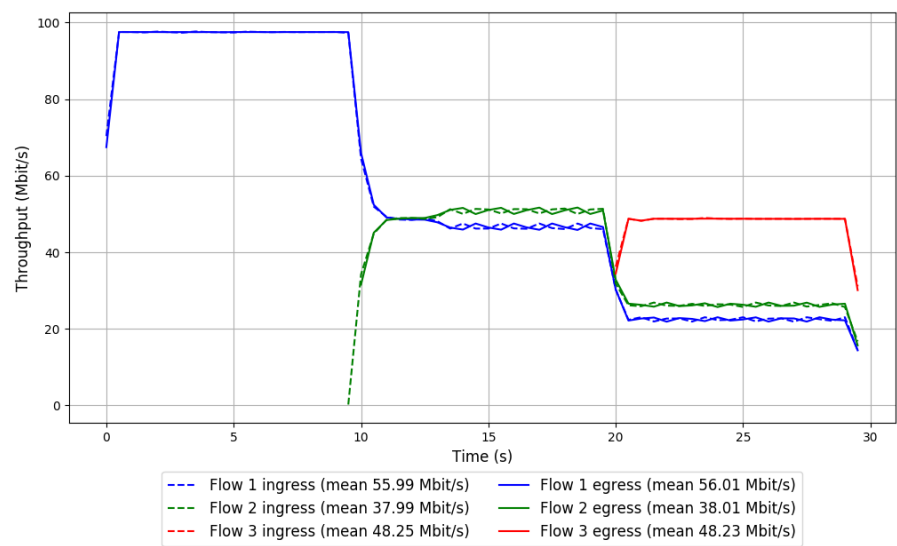


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-28 00:23:53
End at: 2018-02-28 00:24:23
Local clock offset: 3.792 ms
Remote clock offset: -1.273 ms

Below is generated by plot.py at 2018-02-28 07:31:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 21.382 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.01 Mbit/s
95th percentile per-packet one-way delay: 21.374 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 38.01 Mbit/s
95th percentile per-packet one-way delay: 21.422 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 48.23 Mbit/s
95th percentile per-packet one-way delay: 19.033 ms
Loss rate: 0.30%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-02-28 00:44:56

End at: 2018-02-28 00:45:26

Local clock offset: 3.472 ms

Remote clock offset: 0.569 ms

Below is generated by plot.py at 2018-02-28 07:31:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.99 Mbit/s

95th percentile per-packet one-way delay: 21.655 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 53.27 Mbit/s

95th percentile per-packet one-way delay: 21.576 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 42.11 Mbit/s

95th percentile per-packet one-way delay: 21.853 ms

Loss rate: 0.12%

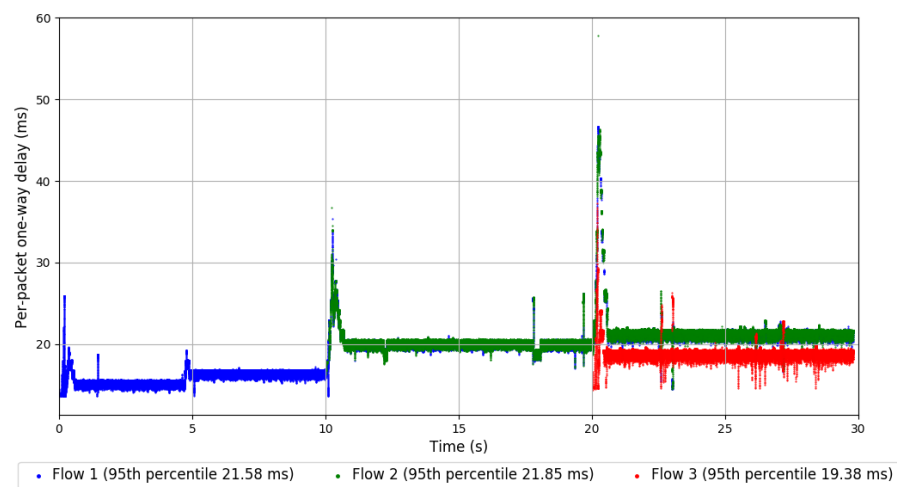
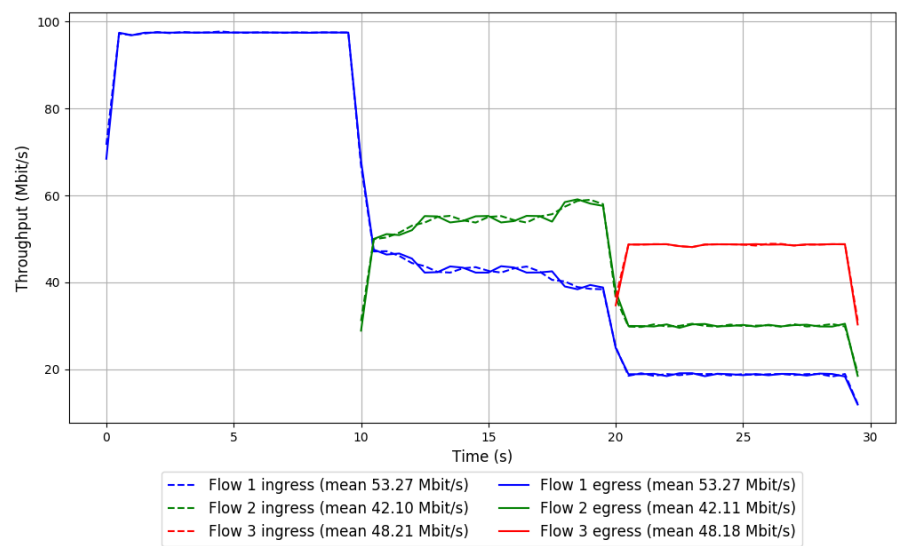
-- Flow 3:

Average throughput: 48.18 Mbit/s

95th percentile per-packet one-way delay: 19.382 ms

Loss rate: 0.30%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-02-28 01:06:03

End at: 2018-02-28 01:06:33

Local clock offset: 4.625 ms

Remote clock offset: -1.14 ms

Below is generated by plot.py at 2018-02-28 07:31:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 21.819 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 61.22 Mbit/s

95th percentile per-packet one-way delay: 21.796 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 30.22 Mbit/s

95th percentile per-packet one-way delay: 22.514 ms

Loss rate: 0.12%

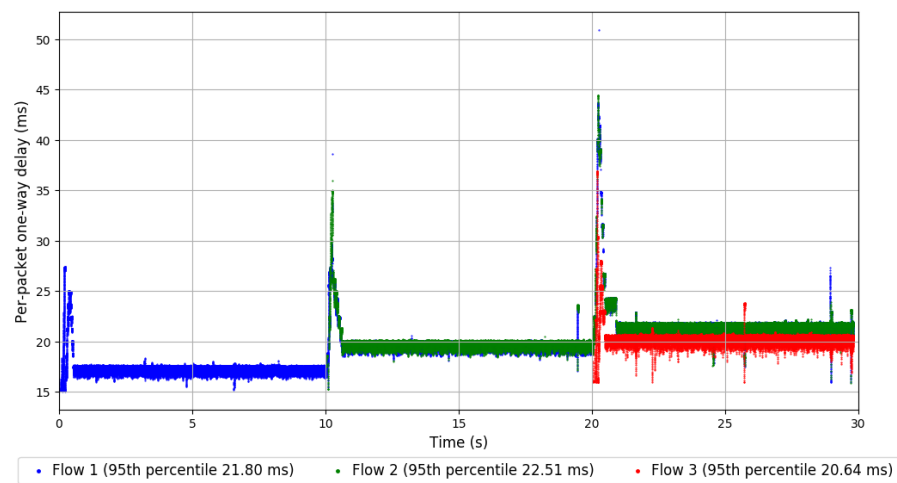
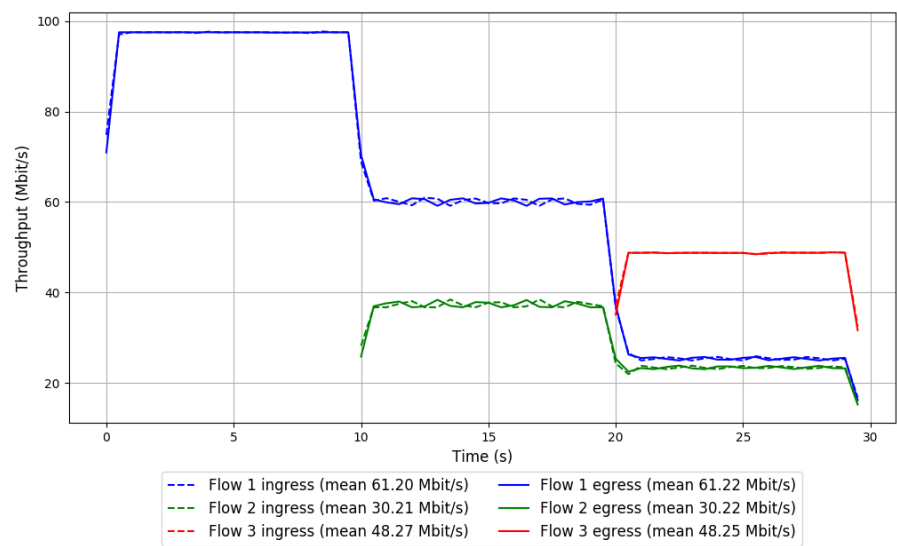
-- Flow 3:

Average throughput: 48.25 Mbit/s

95th percentile per-packet one-way delay: 20.645 ms

Loss rate: 0.30%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-28 01:27:06

End at: 2018-02-28 01:27:36

Local clock offset: 3.199 ms

Remote clock offset: -1.56 ms

Below is generated by plot.py at 2018-02-28 07:32:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.92 Mbit/s

95th percentile per-packet one-way delay: 21.098 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 56.40 Mbit/s

95th percentile per-packet one-way delay: 21.085 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 37.21 Mbit/s

95th percentile per-packet one-way delay: 21.156 ms

Loss rate: 0.11%

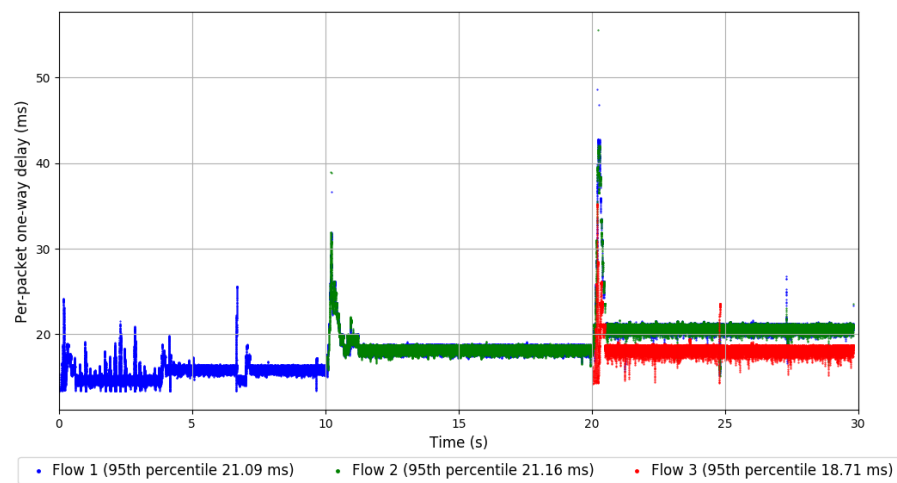
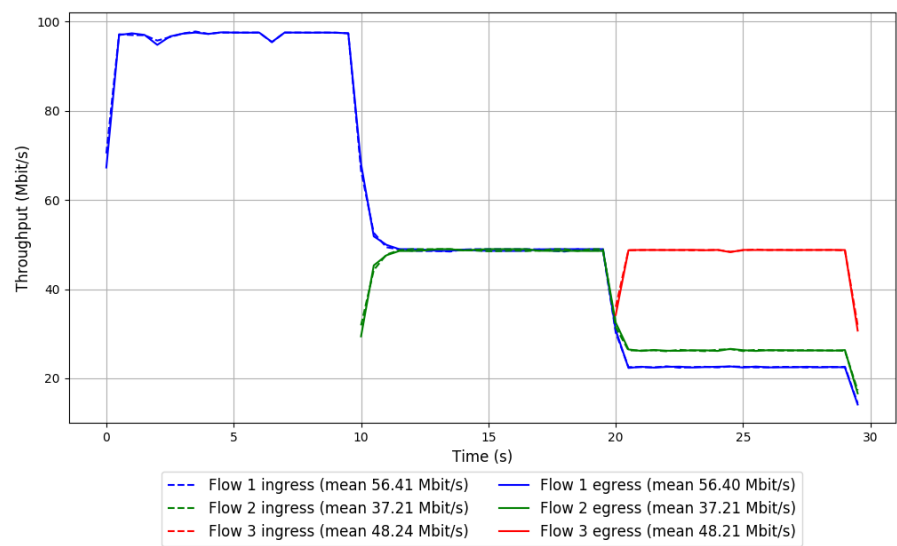
-- Flow 3:

Average throughput: 48.21 Mbit/s

95th percentile per-packet one-way delay: 18.709 ms

Loss rate: 0.30%

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

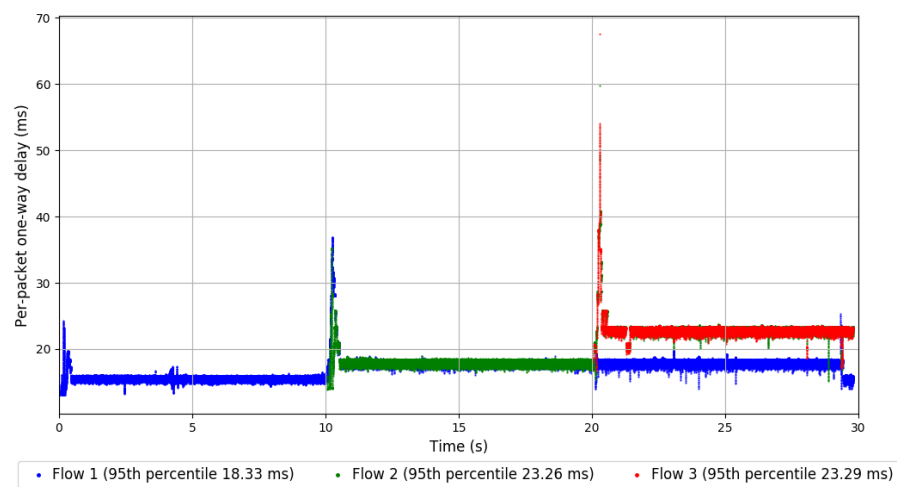
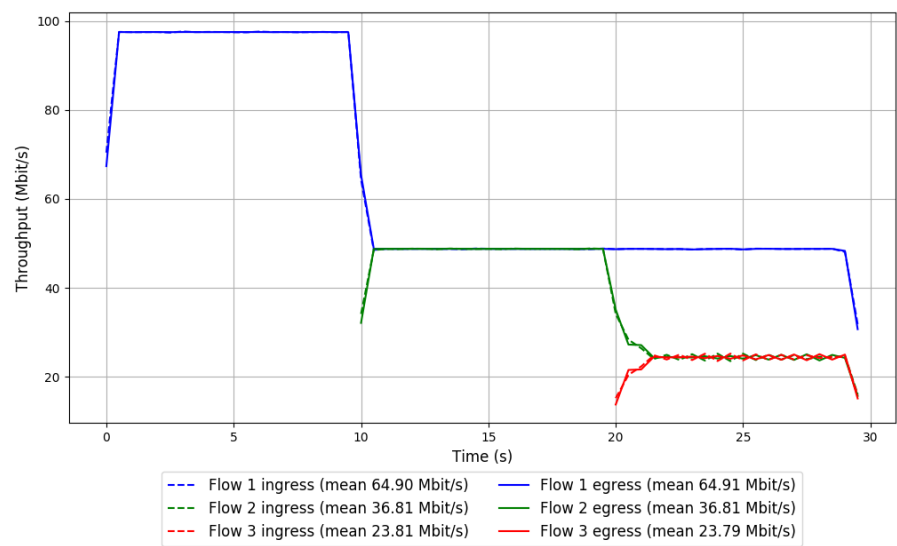


Run 6: Statistics of Indigo-1-32

Start at: 2018-02-28 01:48:14
End at: 2018-02-28 01:48:44
Local clock offset: 3.636 ms
Remote clock offset: -5.341 ms

Below is generated by plot.py at 2018-02-28 07:32:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 23.174 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 64.91 Mbit/s
95th percentile per-packet one-way delay: 18.329 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 36.81 Mbit/s
95th percentile per-packet one-way delay: 23.260 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 23.79 Mbit/s
95th percentile per-packet one-way delay: 23.290 ms
Loss rate: 0.36%

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

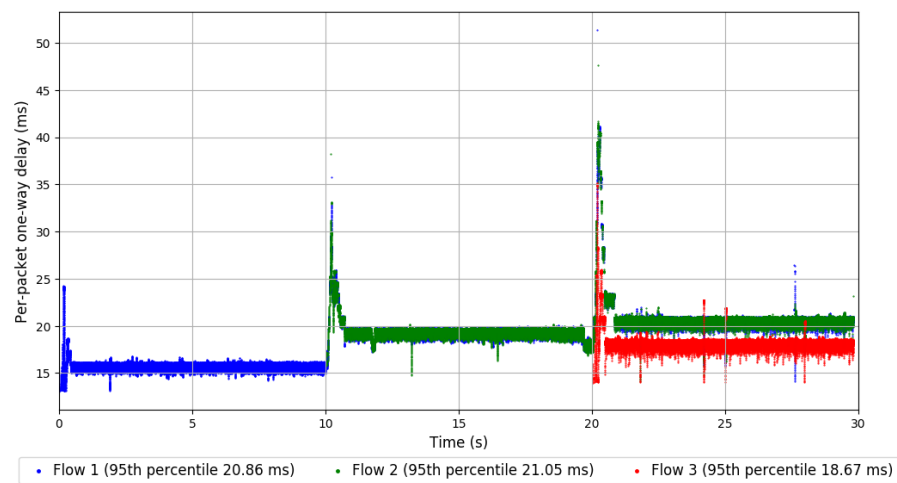
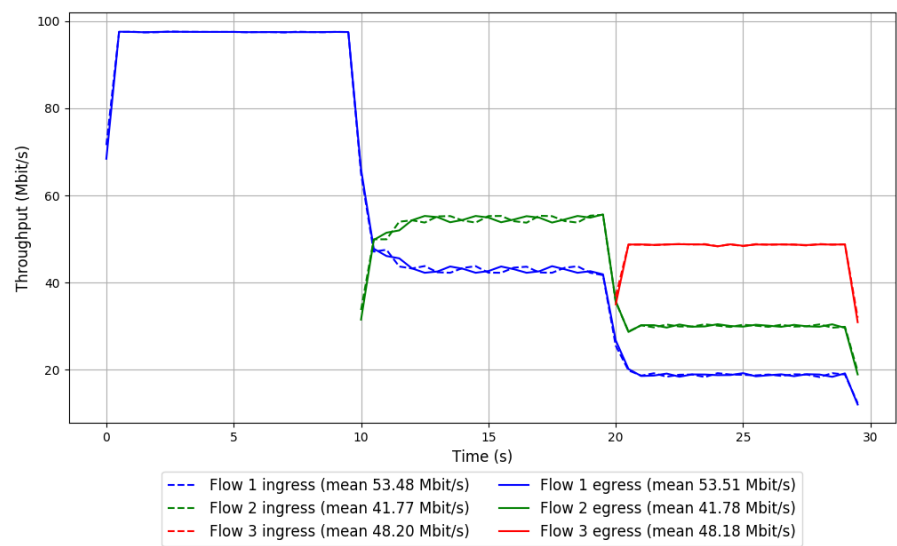


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-28 02:09:24
End at: 2018-02-28 02:09:54
Local clock offset: 2.496 ms
Remote clock offset: -7.819 ms

Below is generated by plot.py at 2018-02-28 07:32:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 20.898 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 53.51 Mbit/s
95th percentile per-packet one-way delay: 20.856 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 41.78 Mbit/s
95th percentile per-packet one-way delay: 21.045 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 48.18 Mbit/s
95th percentile per-packet one-way delay: 18.673 ms
Loss rate: 0.30%

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

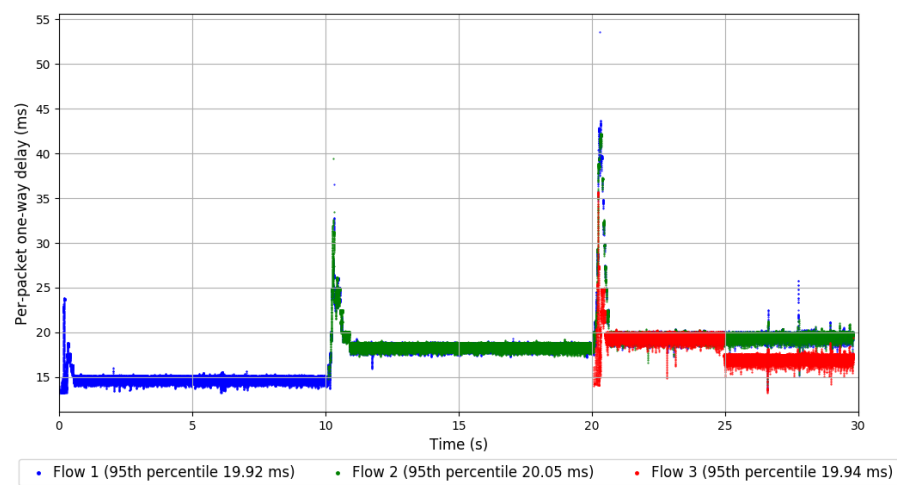
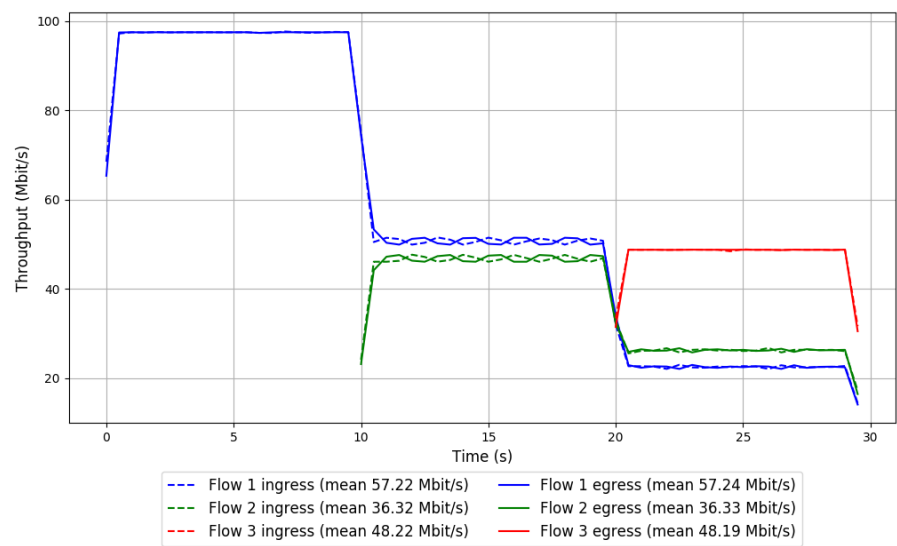


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-28 02:31:00
End at: 2018-02-28 02:31:30
Local clock offset: 3.168 ms
Remote clock offset: -8.642 ms

Below is generated by plot.py at 2018-02-28 07:32:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.02 Mbit/s
95th percentile per-packet one-way delay: 19.954 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.24 Mbit/s
95th percentile per-packet one-way delay: 19.917 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 36.33 Mbit/s
95th percentile per-packet one-way delay: 20.049 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 48.19 Mbit/s
95th percentile per-packet one-way delay: 19.936 ms
Loss rate: 0.30%

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

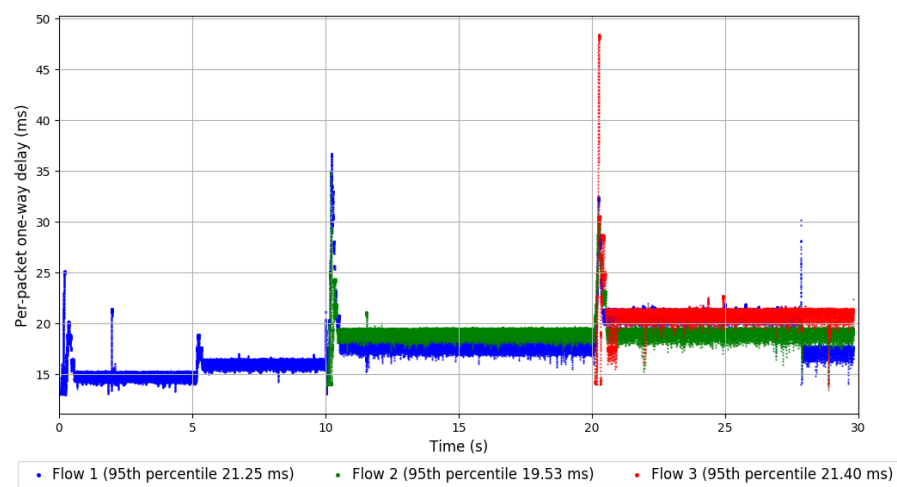
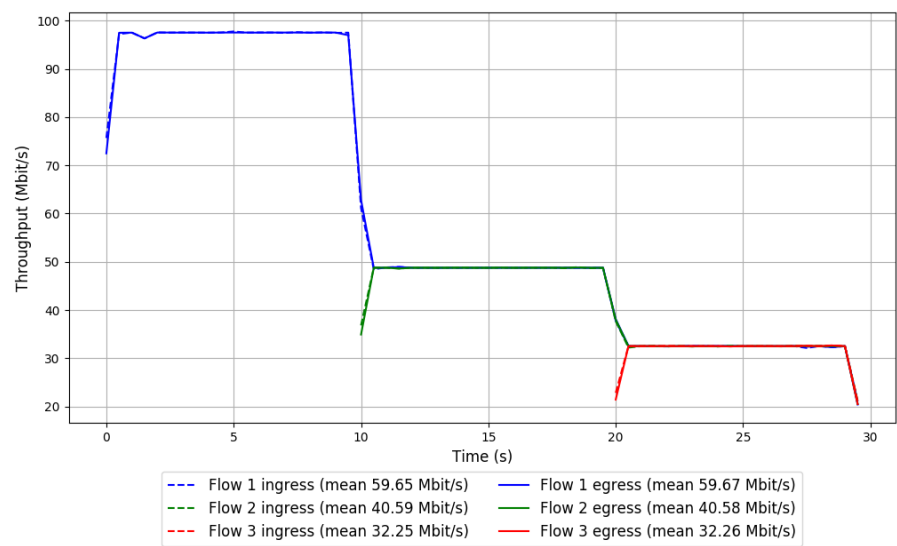


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-28 02:52:30
End at: 2018-02-28 02:53:00
Local clock offset: 4.251 ms
Remote clock offset: -6.039 ms

Below is generated by plot.py at 2018-02-28 07:32:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 21.294 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.67 Mbit/s
95th percentile per-packet one-way delay: 21.254 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.58 Mbit/s
95th percentile per-packet one-way delay: 19.527 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.26 Mbit/s
95th percentile per-packet one-way delay: 21.401 ms
Loss rate: 0.32%

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

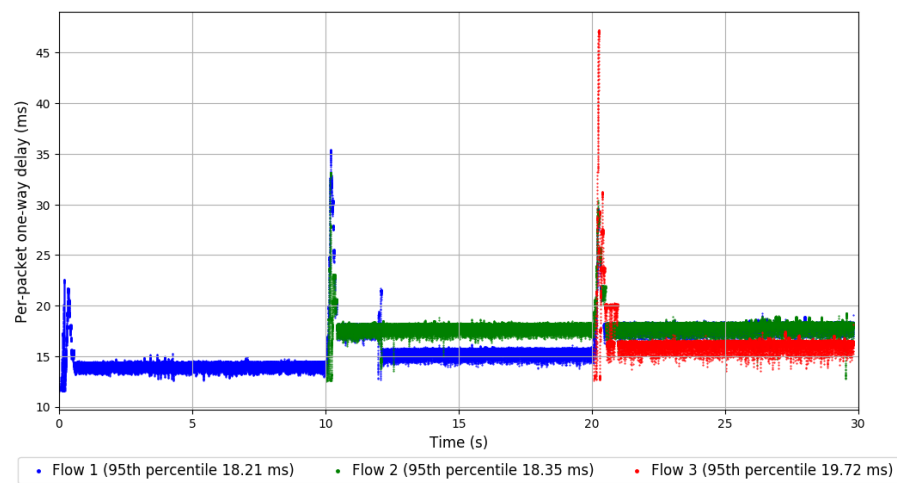
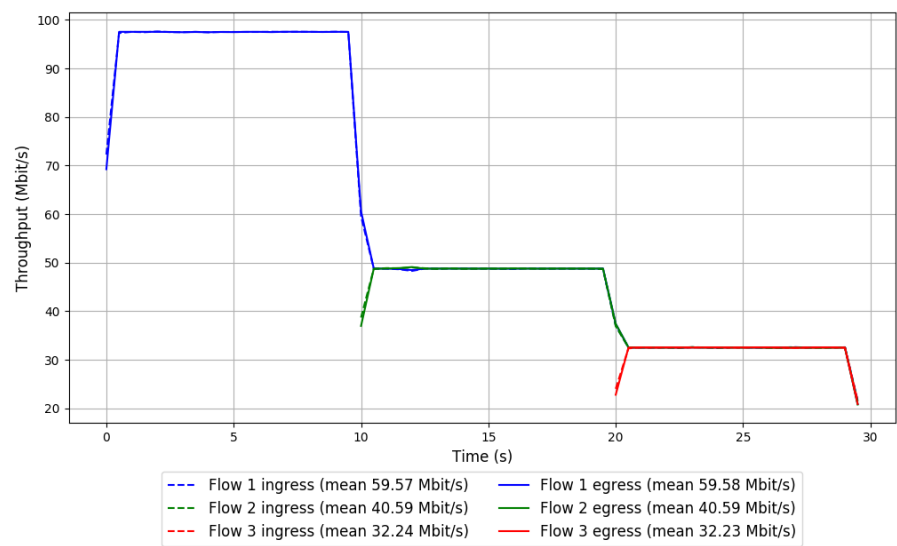


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-28 03:13:43
End at: 2018-02-28 03:14:13
Local clock offset: 2.796 ms
Remote clock offset: -3.721 ms

Below is generated by plot.py at 2018-02-28 07:32:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 18.262 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 59.58 Mbit/s
95th percentile per-packet one-way delay: 18.211 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.59 Mbit/s
95th percentile per-packet one-way delay: 18.347 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 19.724 ms
Loss rate: 0.27%

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

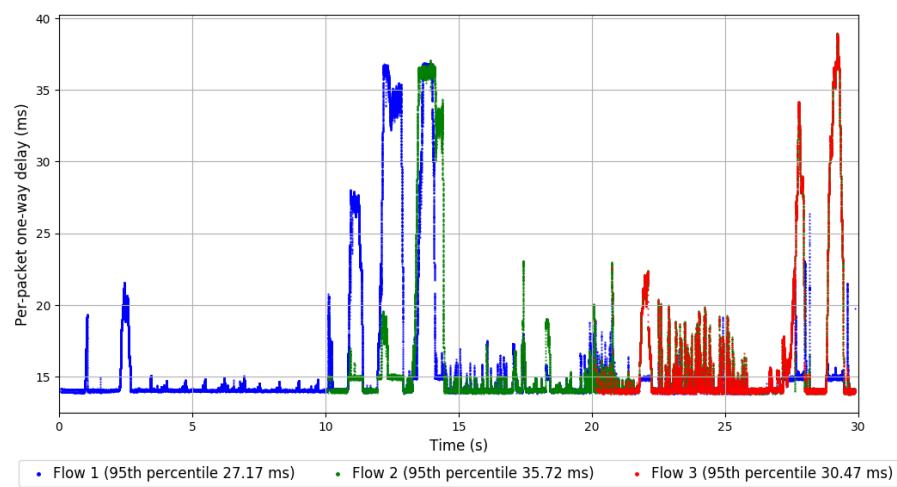
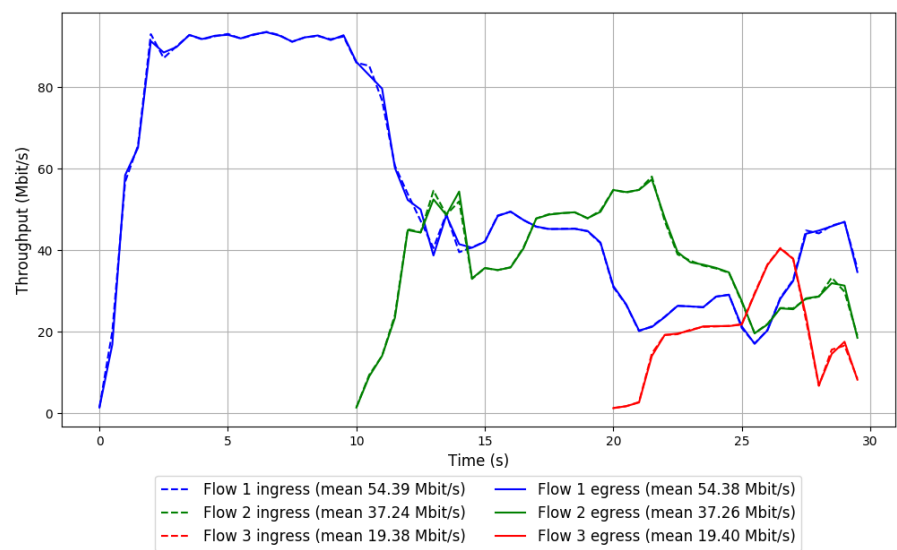


Run 1: Statistics of Vivace-latency

Start at: 2018-02-27 23:59:16
End at: 2018-02-27 23:59:46
Local clock offset: 4.401 ms
Remote clock offset: -1.416 ms

Below is generated by plot.py at 2018-02-28 07:32:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.51 Mbit/s
95th percentile per-packet one-way delay: 31.304 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 54.38 Mbit/s
95th percentile per-packet one-way delay: 27.166 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 37.26 Mbit/s
95th percentile per-packet one-way delay: 35.715 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 19.40 Mbit/s
95th percentile per-packet one-way delay: 30.473 ms
Loss rate: 0.15%

Run 1: Report of Vivace-latency — Data Link

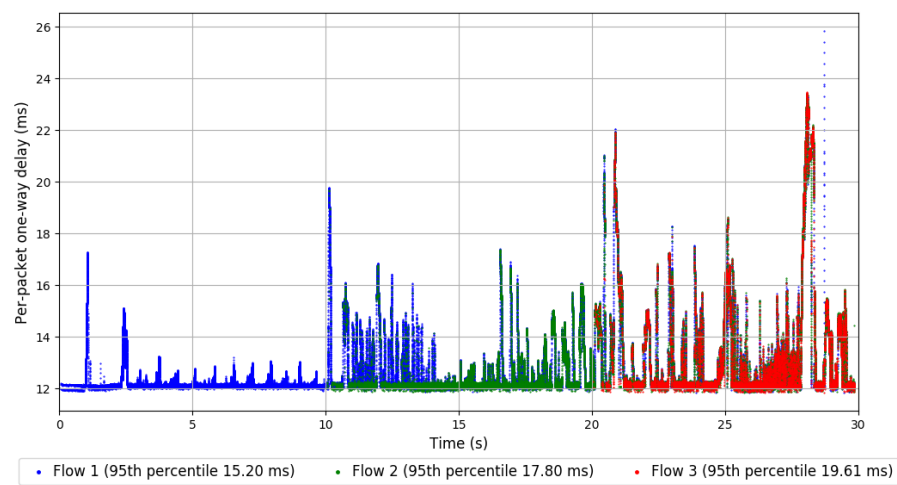
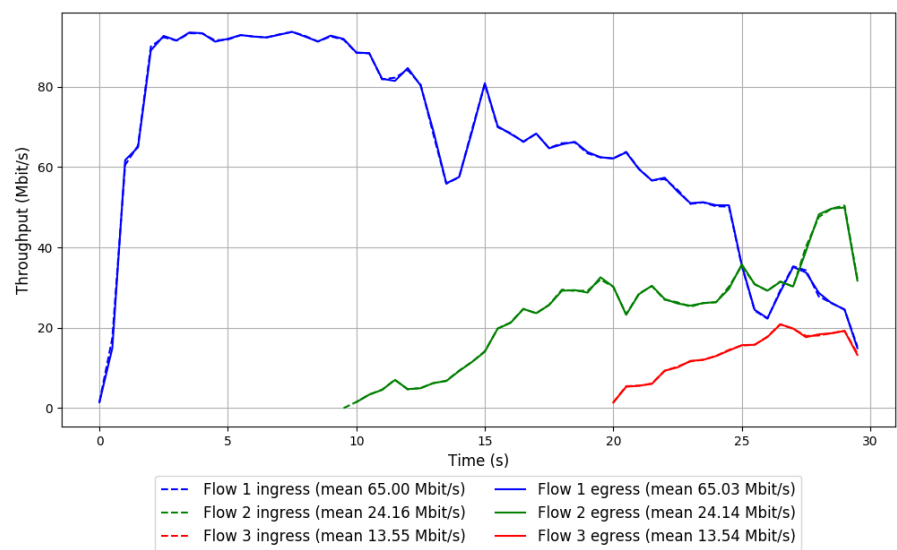


Run 2: Statistics of Vivace-latency

Start at: 2018-02-28 00:20:20
End at: 2018-02-28 00:20:50
Local clock offset: 2.039 ms
Remote clock offset: -2.781 ms

Below is generated by plot.py at 2018-02-28 07:32:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 15.728 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 65.03 Mbit/s
95th percentile per-packet one-way delay: 15.201 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.14 Mbit/s
95th percentile per-packet one-way delay: 17.800 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 13.54 Mbit/s
95th percentile per-packet one-way delay: 19.611 ms
Loss rate: 0.33%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-02-28 00:41:24

End at: 2018-02-28 00:41:54

Local clock offset: 2.797 ms

Remote clock offset: 1.122 ms

Below is generated by plot.py at 2018-02-28 07:33:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.52 Mbit/s

95th percentile per-packet one-way delay: 17.314 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 58.60 Mbit/s

95th percentile per-packet one-way delay: 17.468 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 28.07 Mbit/s

95th percentile per-packet one-way delay: 17.862 ms

Loss rate: 0.17%

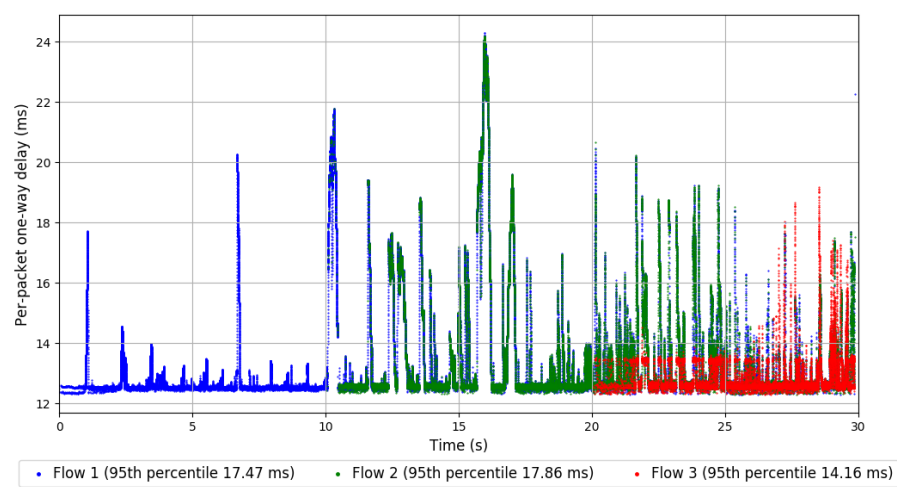
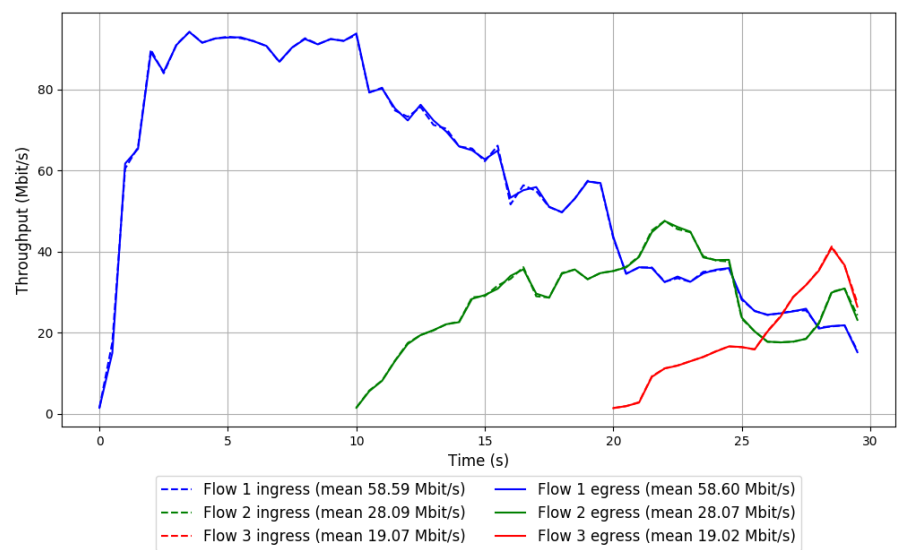
-- Flow 3:

Average throughput: 19.02 Mbit/s

95th percentile per-packet one-way delay: 14.157 ms

Loss rate: 0.52%

Run 3: Report of Vivace-latency — Data Link

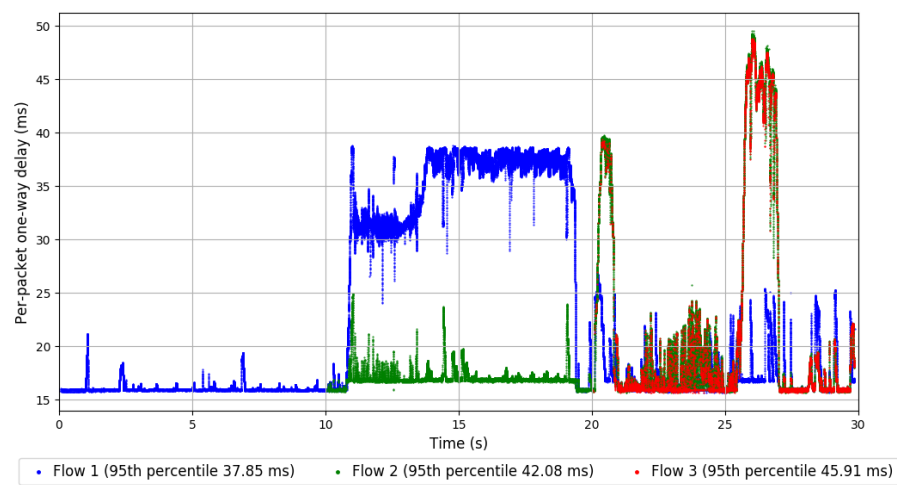
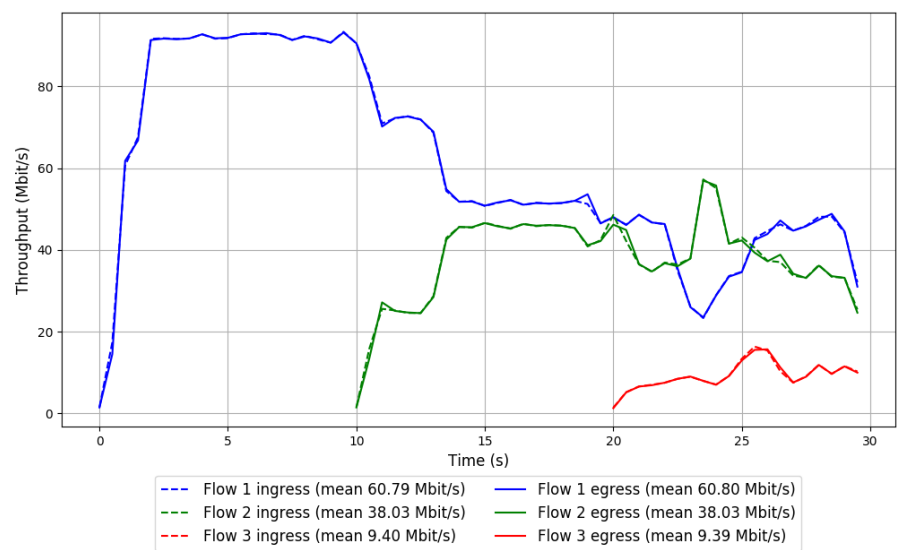


Run 4: Statistics of Vivace-latency

Start at: 2018-02-28 01:02:29
End at: 2018-02-28 01:02:59
Local clock offset: -0.253 ms
Remote clock offset: -6.392 ms

Below is generated by plot.py at 2018-02-28 07:33:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.17 Mbit/s
95th percentile per-packet one-way delay: 38.111 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 60.80 Mbit/s
95th percentile per-packet one-way delay: 37.849 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 42.077 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 9.39 Mbit/s
95th percentile per-packet one-way delay: 45.906 ms
Loss rate: 0.37%

Run 4: Report of Vivace-latency — Data Link

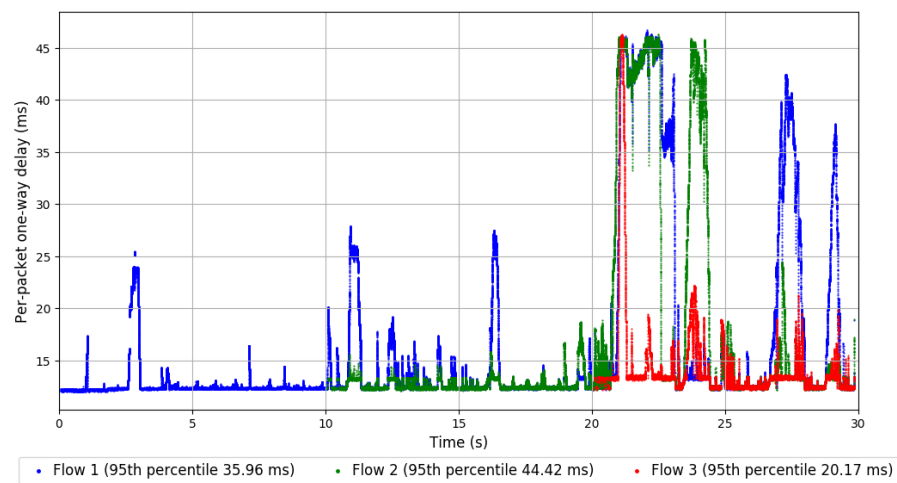
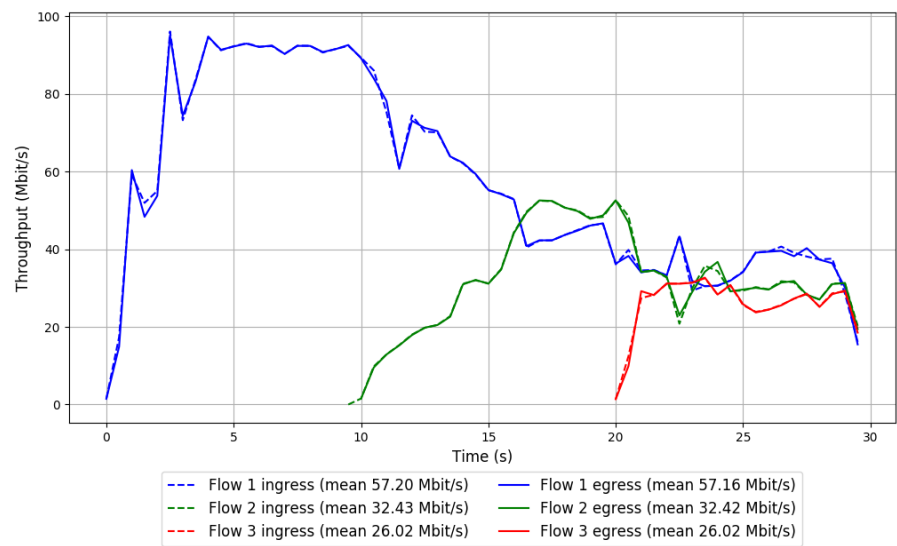


Run 5: Statistics of Vivace-latency

Start at: 2018-02-28 01:23:37
End at: 2018-02-28 01:24:07
Local clock offset: 2.78 ms
Remote clock offset: -0.833 ms

Below is generated by plot.py at 2018-02-28 07:33:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.27 Mbit/s
95th percentile per-packet one-way delay: 40.655 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 57.16 Mbit/s
95th percentile per-packet one-way delay: 35.957 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 44.417 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 26.02 Mbit/s
95th percentile per-packet one-way delay: 20.168 ms
Loss rate: 0.26%

Run 5: Report of Vivace-latency — Data Link

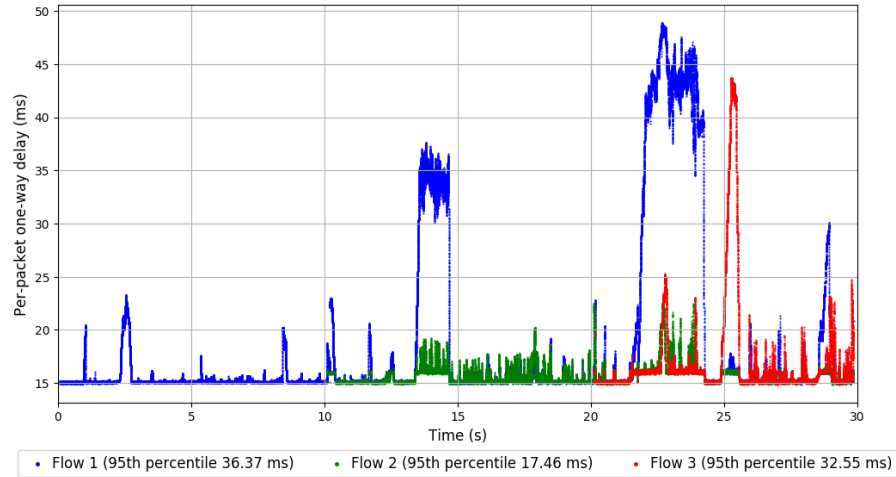
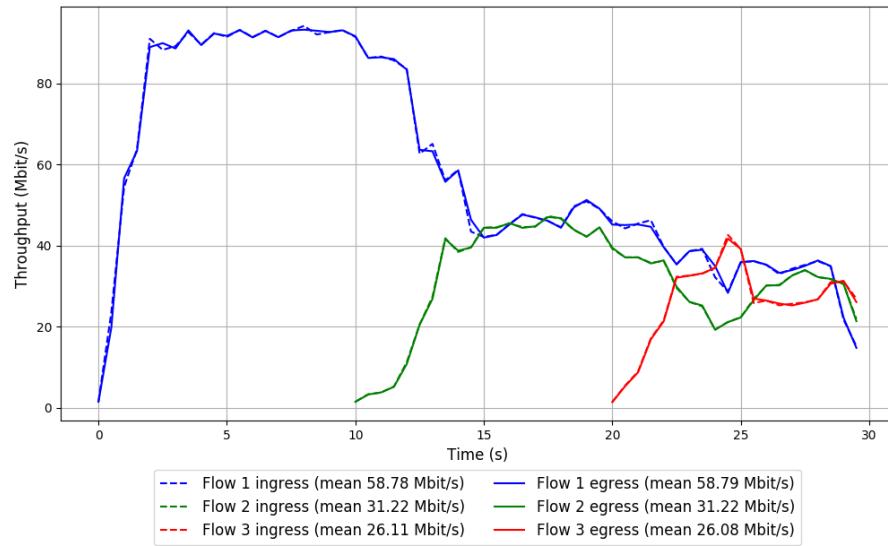


Run 6: Statistics of Vivace-latency

Start at: 2018-02-28 01:44:41
End at: 2018-02-28 01:45:11
Local clock offset: 5.284 ms
Remote clock offset: -5.562 ms

Below is generated by plot.py at 2018-02-28 07:34:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.12 Mbit/s
95th percentile per-packet one-way delay: 33.964 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 58.79 Mbit/s
95th percentile per-packet one-way delay: 36.374 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 31.22 Mbit/s
95th percentile per-packet one-way delay: 17.464 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 26.08 Mbit/s
95th percentile per-packet one-way delay: 32.547 ms
Loss rate: 0.38%

Run 6: Report of Vivace-latency — Data Link

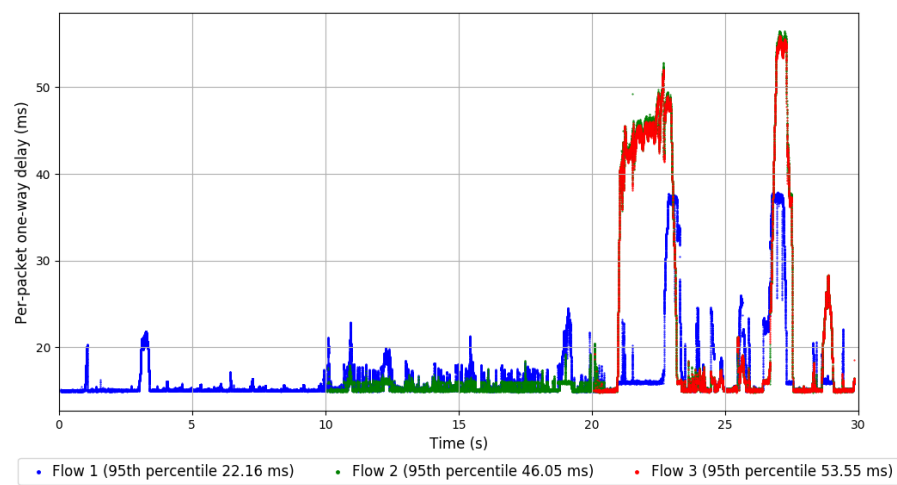
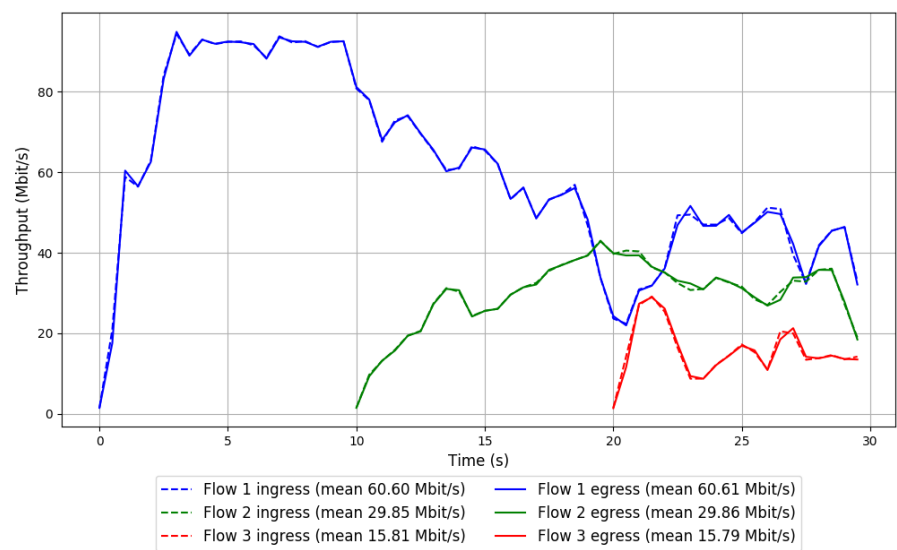


Run 7: Statistics of Vivace-latency

Start at: 2018-02-28 02:05:51
End at: 2018-02-28 02:06:21
Local clock offset: 4.324 ms
Remote clock offset: -7.604 ms

Below is generated by plot.py at 2018-02-28 07:34:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.65 Mbit/s
95th percentile per-packet one-way delay: 42.207 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 60.61 Mbit/s
95th percentile per-packet one-way delay: 22.155 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 29.86 Mbit/s
95th percentile per-packet one-way delay: 46.052 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 15.79 Mbit/s
95th percentile per-packet one-way delay: 53.546 ms
Loss rate: 0.38%

Run 7: Report of Vivace-latency — Data Link

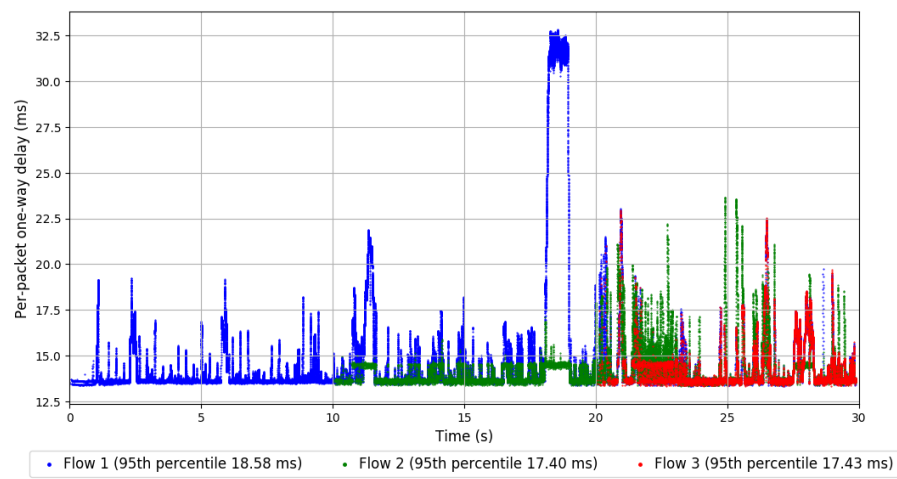
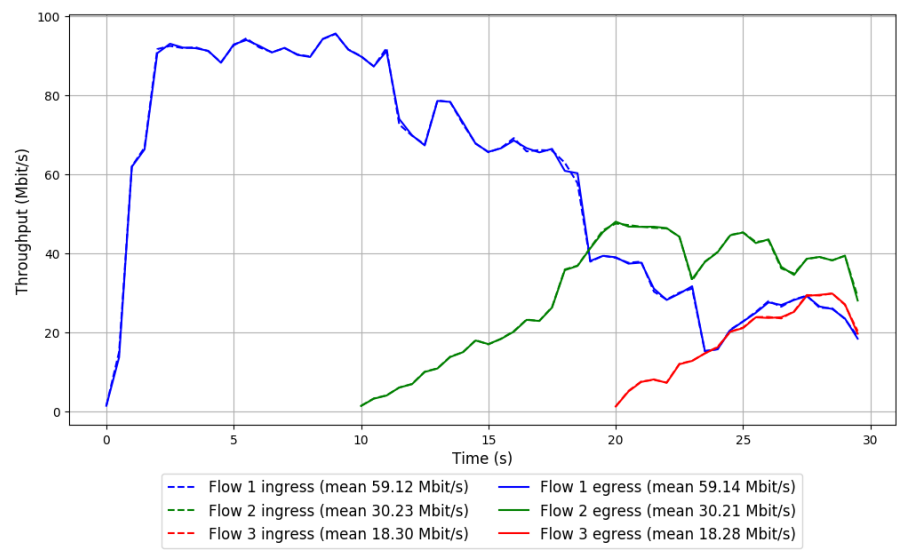


Run 8: Statistics of Vivace-latency

Start at: 2018-02-28 02:27:24
End at: 2018-02-28 02:27:54
Local clock offset: 3.031 ms
Remote clock offset: -8.915 ms

Below is generated by plot.py at 2018-02-28 07:34:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.23 Mbit/s
95th percentile per-packet one-way delay: 18.041 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 59.14 Mbit/s
95th percentile per-packet one-way delay: 18.579 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 30.21 Mbit/s
95th percentile per-packet one-way delay: 17.404 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 18.28 Mbit/s
95th percentile per-packet one-way delay: 17.426 ms
Loss rate: 0.38%

Run 8: Report of Vivace-latency — Data Link

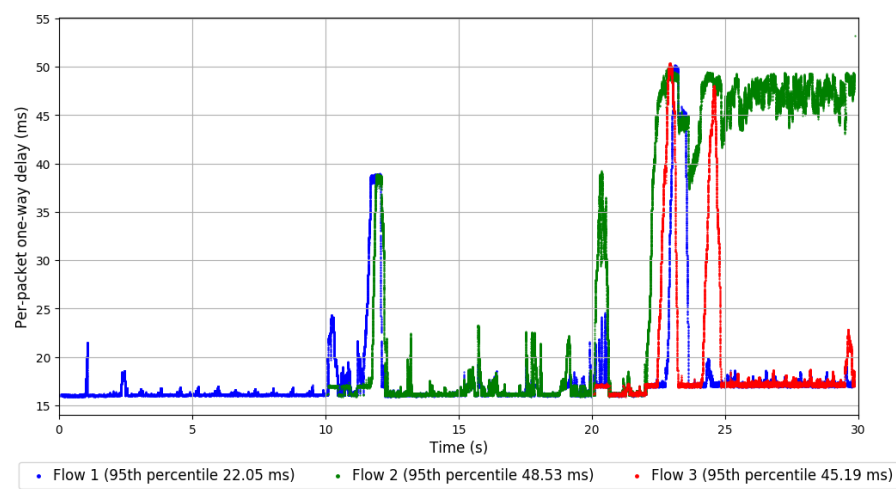
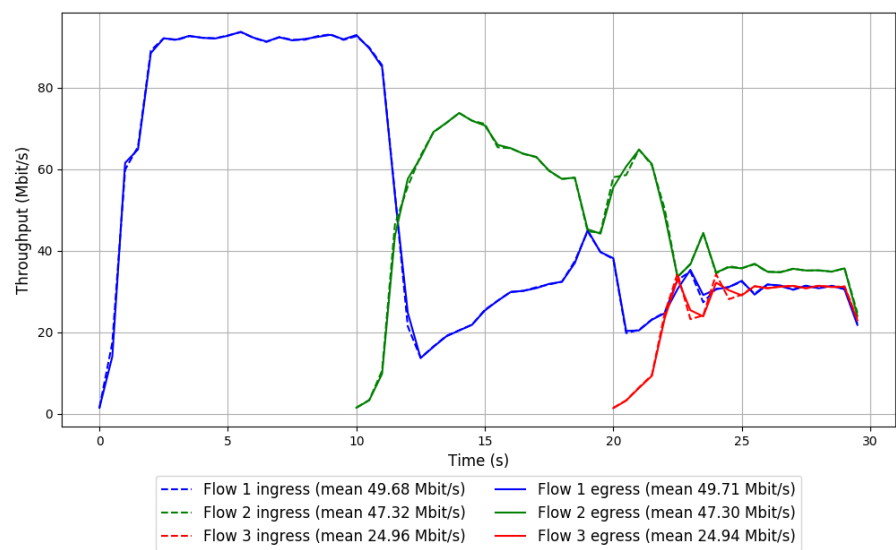


Run 9: Statistics of Vivace-latency

Start at: 2018-02-28 02:48:58
End at: 2018-02-28 02:49:28
Local clock offset: 5.331 ms
Remote clock offset: -6.627 ms

Below is generated by plot.py at 2018-02-28 07:34:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.35 Mbit/s
95th percentile per-packet one-way delay: 47.398 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 49.71 Mbit/s
95th percentile per-packet one-way delay: 22.045 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 47.30 Mbit/s
95th percentile per-packet one-way delay: 48.534 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 24.94 Mbit/s
95th percentile per-packet one-way delay: 45.193 ms
Loss rate: 0.30%

Run 9: Report of Vivace-latency — Data Link

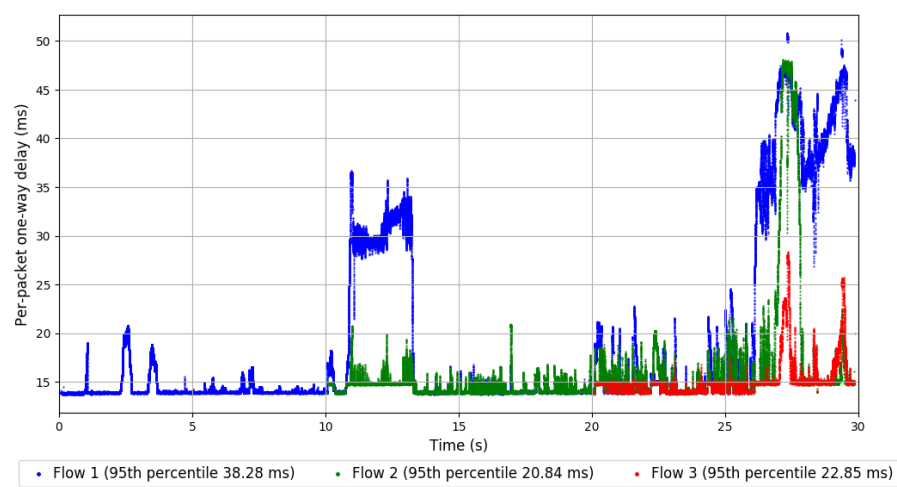
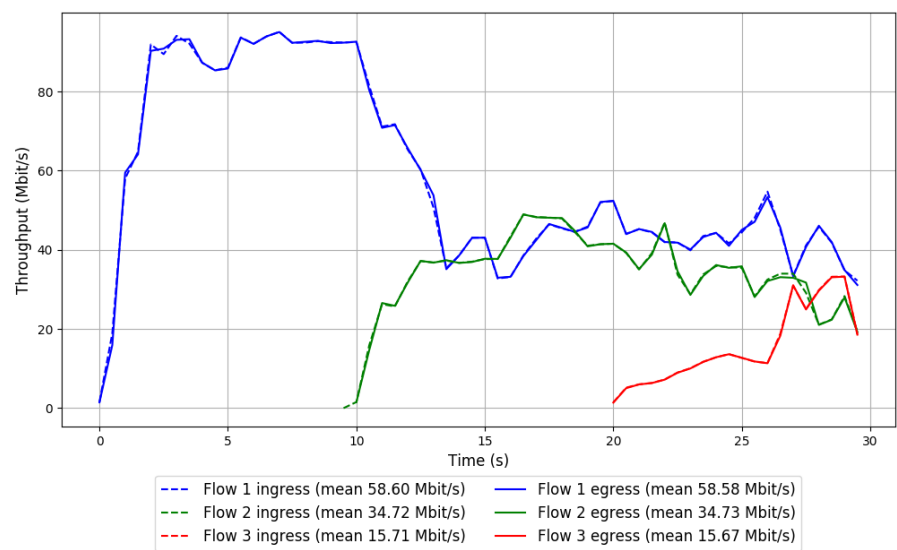


Run 10: Statistics of Vivace-latency

Start at: 2018-02-28 03:10:07
End at: 2018-02-28 03:10:37
Local clock offset: 4.503 ms
Remote clock offset: -5.671 ms

Below is generated by plot.py at 2018-02-28 07:34:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.82 Mbit/s
95th percentile per-packet one-way delay: 37.152 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 58.58 Mbit/s
95th percentile per-packet one-way delay: 38.277 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 34.73 Mbit/s
95th percentile per-packet one-way delay: 20.840 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 15.67 Mbit/s
95th percentile per-packet one-way delay: 22.851 ms
Loss rate: 0.40%

Run 10: Report of Vivace-latency — Data Link



Run 1: Statistics of Vivace-loss

Start at: 2018-02-28 00:15:45

End at: 2018-02-28 00:16:15

Local clock offset: 5.281 ms

Remote clock offset: -1.89 ms

Below is generated by plot.py at 2018-02-28 07:35:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.44 Mbit/s

95th percentile per-packet one-way delay: 57.314 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 60.73 Mbit/s

95th percentile per-packet one-way delay: 42.620 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 41.92 Mbit/s

95th percentile per-packet one-way delay: 58.911 ms

Loss rate: 0.19%

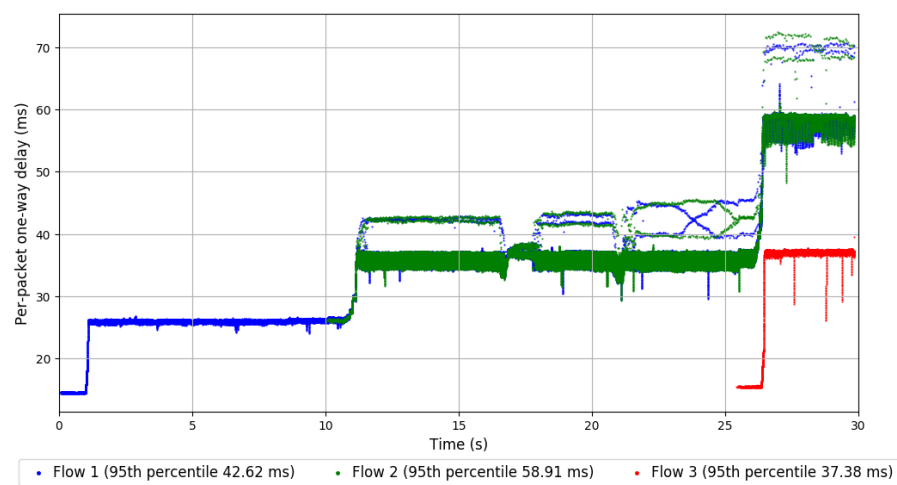
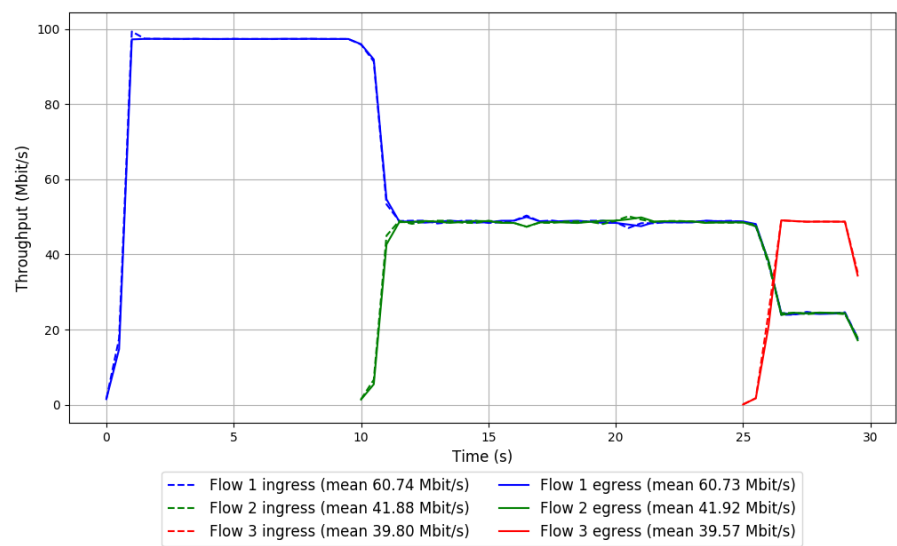
-- Flow 3:

Average throughput: 39.57 Mbit/s

95th percentile per-packet one-way delay: 37.379 ms

Loss rate: 1.26%

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-28 00:36:50

End at: 2018-02-28 00:37:20

Local clock offset: 5.794 ms

Remote clock offset: 0.261 ms

Below is generated by plot.py at 2018-02-28 07:35:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.39 Mbit/s

95th percentile per-packet one-way delay: 60.651 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 56.25 Mbit/s

95th percentile per-packet one-way delay: 60.587 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 46.51 Mbit/s

95th percentile per-packet one-way delay: 39.038 ms

Loss rate: 0.18%

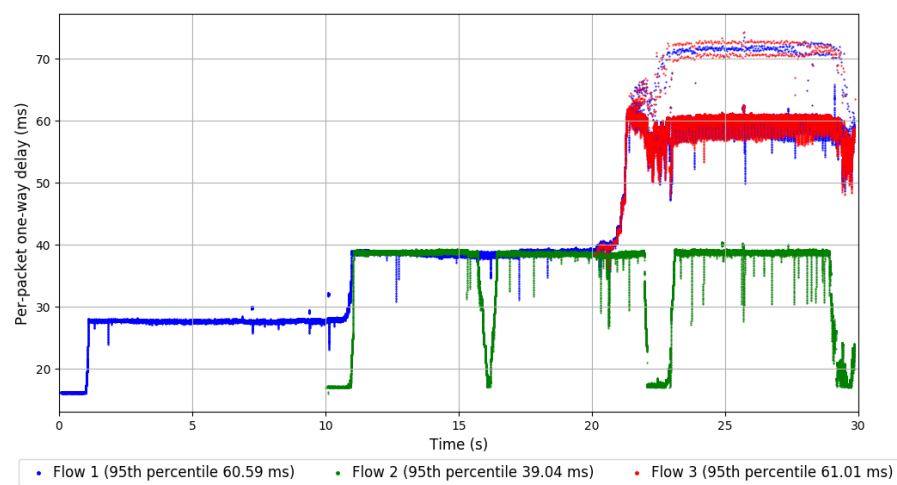
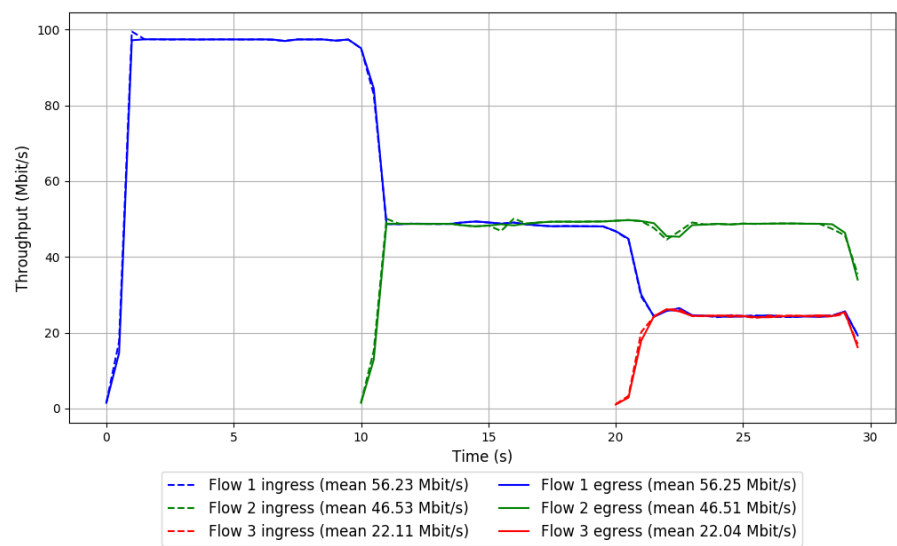
-- Flow 3:

Average throughput: 22.04 Mbit/s

95th percentile per-packet one-way delay: 61.012 ms

Loss rate: 0.71%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-02-28 00:57:50

End at: 2018-02-28 00:58:20

Local clock offset: 3.083 ms

Remote clock offset: 1.198 ms

Below is generated by plot.py at 2018-02-28 07:35:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.43 Mbit/s

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

Loss rate: 0.20%

-- Flow 1:

Average throughput: 58.61 Mbit/s

95th percentile per-packet one-way delay: 45.845 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 38.98 Mbit/s

95th percentile per-packet one-way delay: 46.071 ms

Loss rate: 0.24%

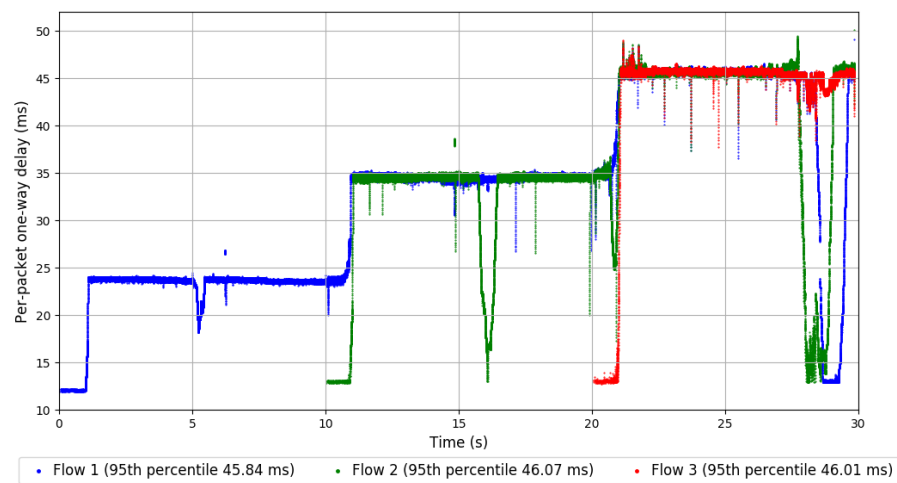
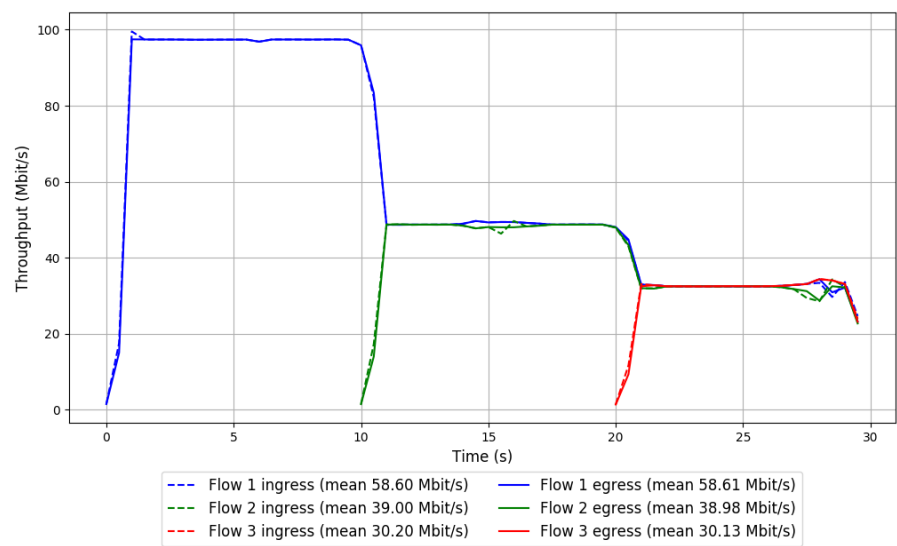
-- Flow 3:

Average throughput: 30.13 Mbit/s

95th percentile per-packet one-way delay: 46.012 ms

Loss rate: 0.63%

Run 3: Report of Vivace-loss — Data Link

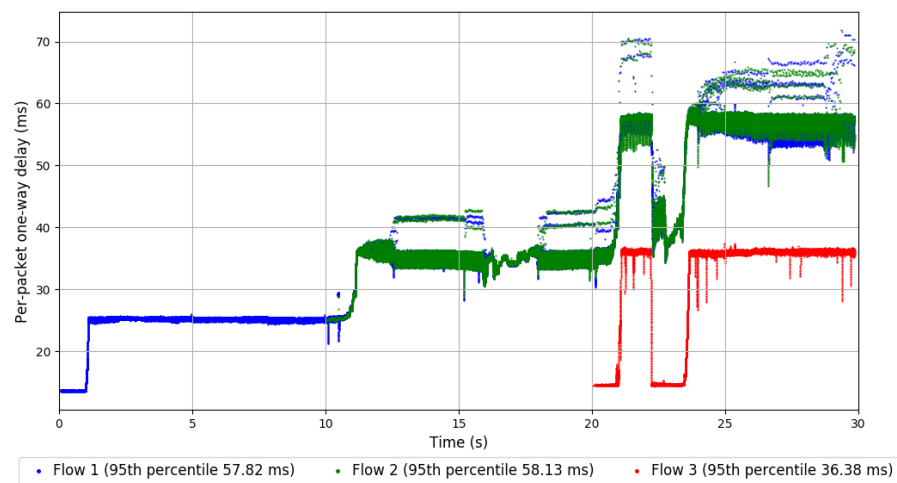
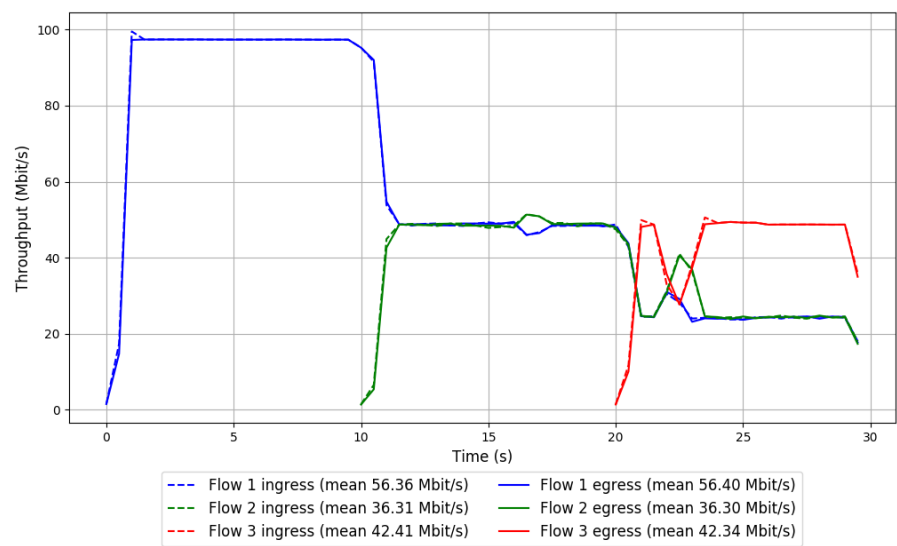


Run 4: Statistics of Vivace-loss

Start at: 2018-02-28 01:19:01
End at: 2018-02-28 01:19:31
Local clock offset: 4.45 ms
Remote clock offset: -0.708 ms

Below is generated by plot.py at 2018-02-28 07:35:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 57.908 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.40 Mbit/s
95th percentile per-packet one-way delay: 57.819 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.30 Mbit/s
95th percentile per-packet one-way delay: 58.133 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 42.34 Mbit/s
95th percentile per-packet one-way delay: 36.376 ms
Loss rate: 0.53%

Run 4: Report of Vivace-loss — Data Link

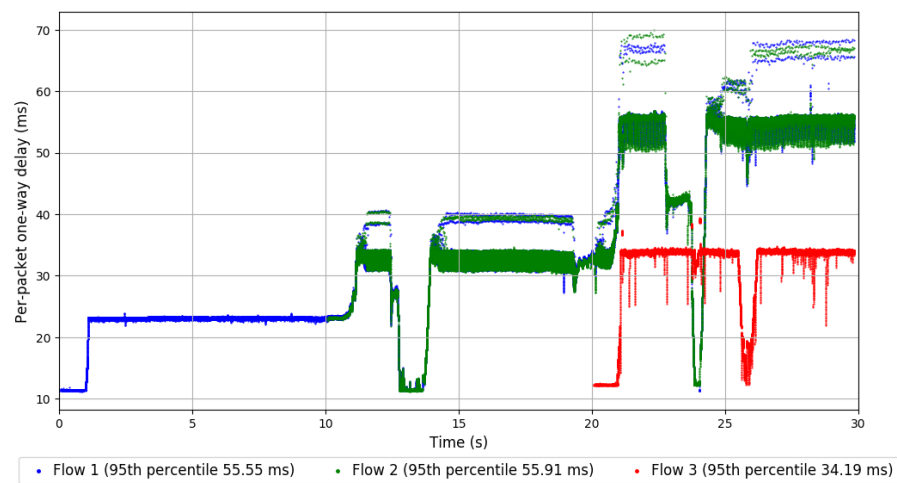
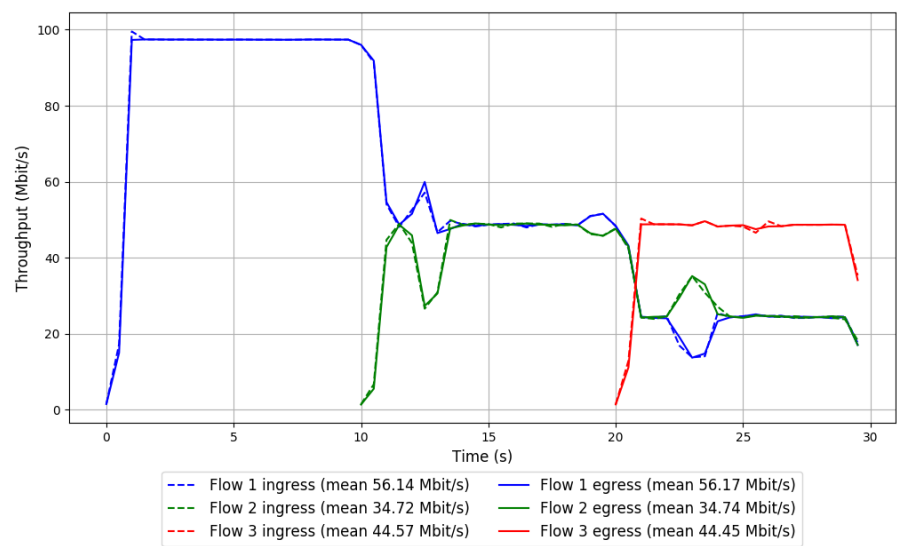


Run 5: Statistics of Vivace-loss

Start at: 2018-02-28 01:40:03
End at: 2018-02-28 01:40:33
Local clock offset: 3.275 ms
Remote clock offset: -3.208 ms

Below is generated by plot.py at 2018-02-28 07:35:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 55.661 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.17 Mbit/s
95th percentile per-packet one-way delay: 55.549 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 34.74 Mbit/s
95th percentile per-packet one-way delay: 55.910 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 44.45 Mbit/s
95th percentile per-packet one-way delay: 34.193 ms
Loss rate: 0.52%

Run 5: Report of Vivace-loss — Data Link

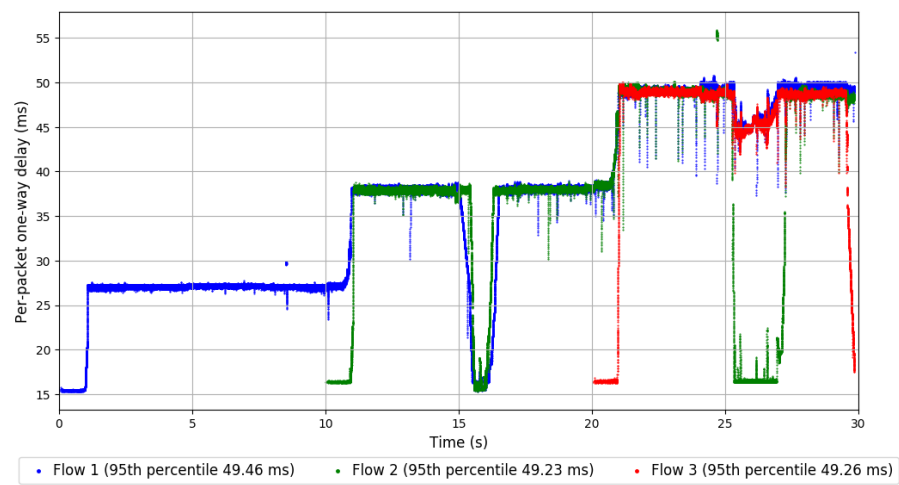
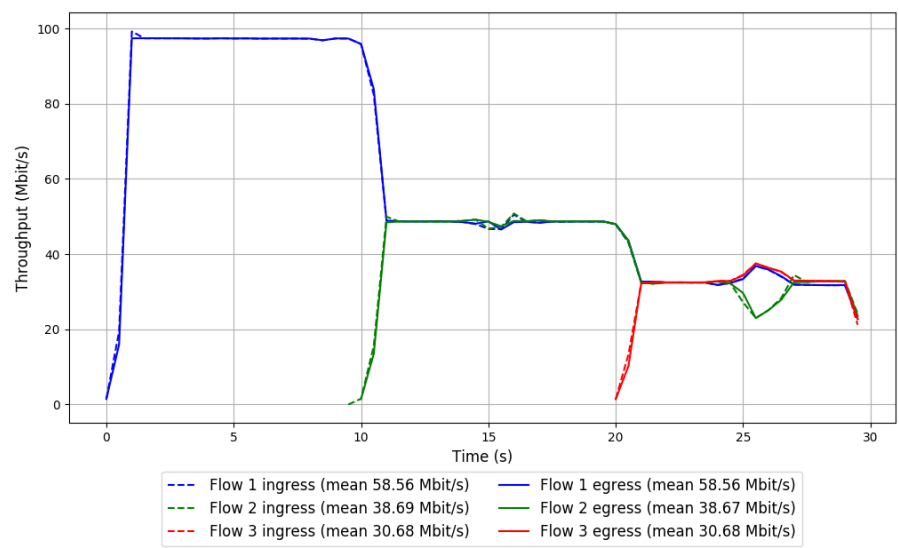


Run 6: Statistics of Vivace-loss

Start at: 2018-02-28 02:01:12
End at: 2018-02-28 02:01:42
Local clock offset: 5.25 ms
Remote clock offset: -6.808 ms

Below is generated by plot.py at 2018-02-28 07:35:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 49.352 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 58.56 Mbit/s
95th percentile per-packet one-way delay: 49.456 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 38.67 Mbit/s
95th percentile per-packet one-way delay: 49.229 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 30.68 Mbit/s
95th percentile per-packet one-way delay: 49.261 ms
Loss rate: 0.26%

Run 6: Report of Vivace-loss — Data Link

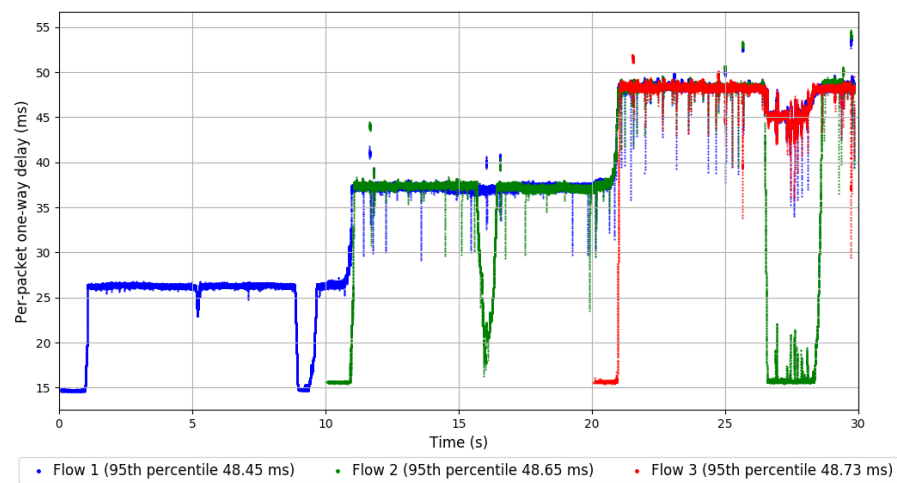
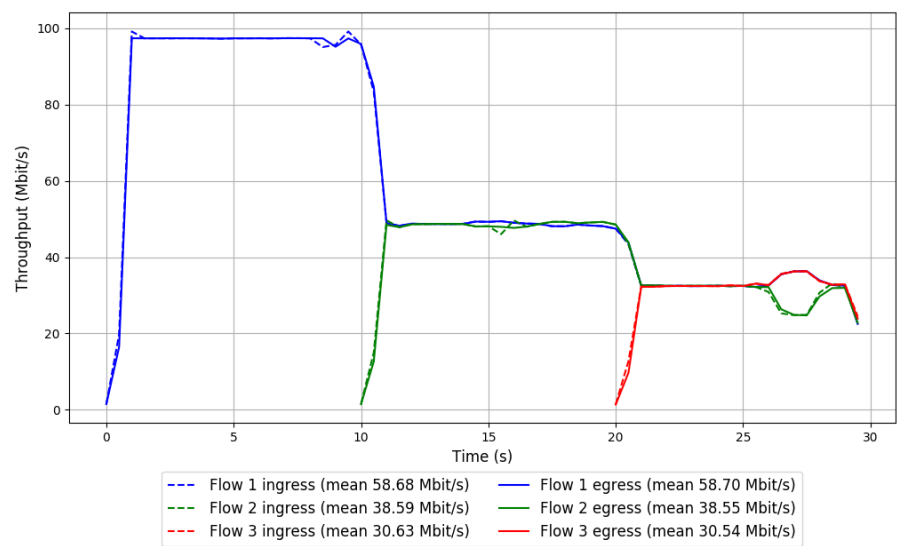


Run 7: Statistics of Vivace-loss

Start at: 2018-02-28 02:22:44
End at: 2018-02-28 02:23:15
Local clock offset: 4.602 ms
Remote clock offset: -8.086 ms

Below is generated by plot.py at 2018-02-28 07:35:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 48.575 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 58.70 Mbit/s
95th percentile per-packet one-way delay: 48.447 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 38.55 Mbit/s
95th percentile per-packet one-way delay: 48.645 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 30.54 Mbit/s
95th percentile per-packet one-way delay: 48.730 ms
Loss rate: 0.62%

Run 7: Report of Vivace-loss — Data Link

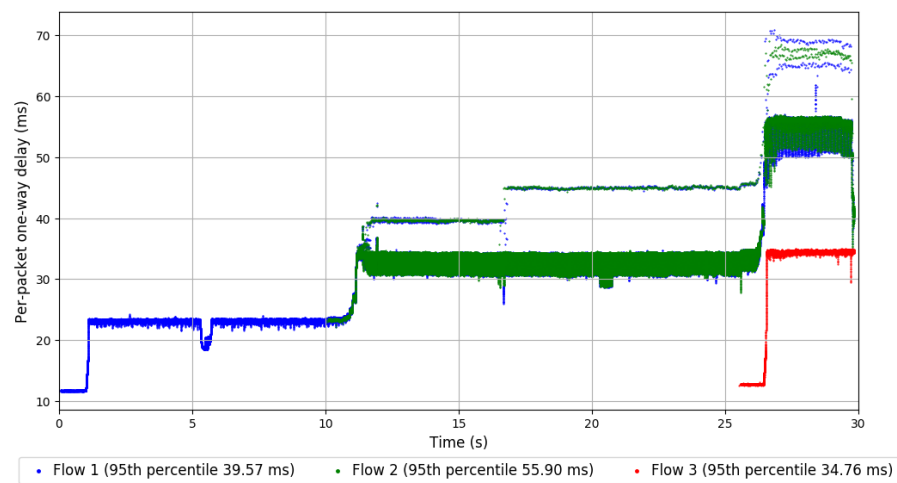
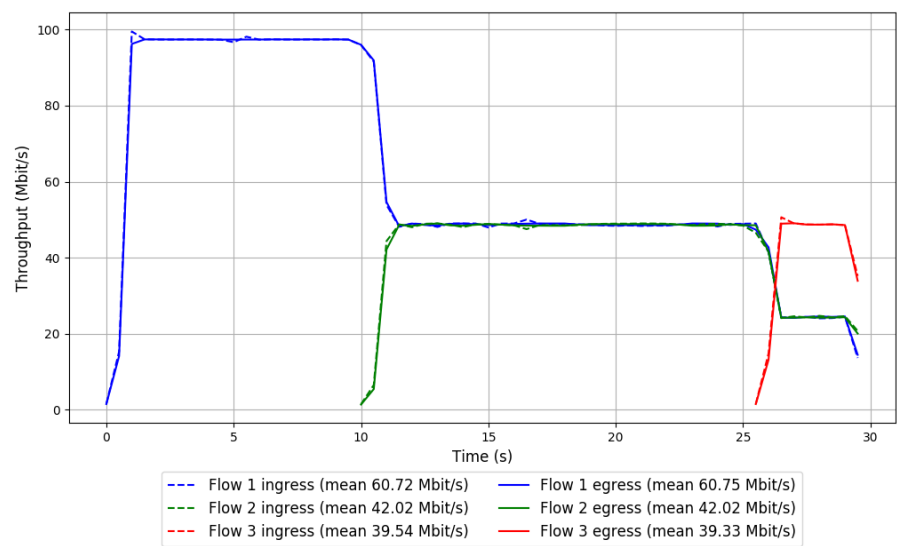


Run 8: Statistics of Vivace-loss

Start at: 2018-02-28 02:44:23
End at: 2018-02-28 02:44:53
Local clock offset: 1.573 ms
Remote clock offset: -6.778 ms

Below is generated by plot.py at 2018-02-28 07:35:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 52.382 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 60.75 Mbit/s
95th percentile per-packet one-way delay: 39.572 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 42.02 Mbit/s
95th percentile per-packet one-way delay: 55.896 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 39.33 Mbit/s
95th percentile per-packet one-way delay: 34.759 ms
Loss rate: 1.34%

Run 8: Report of Vivace-loss — Data Link

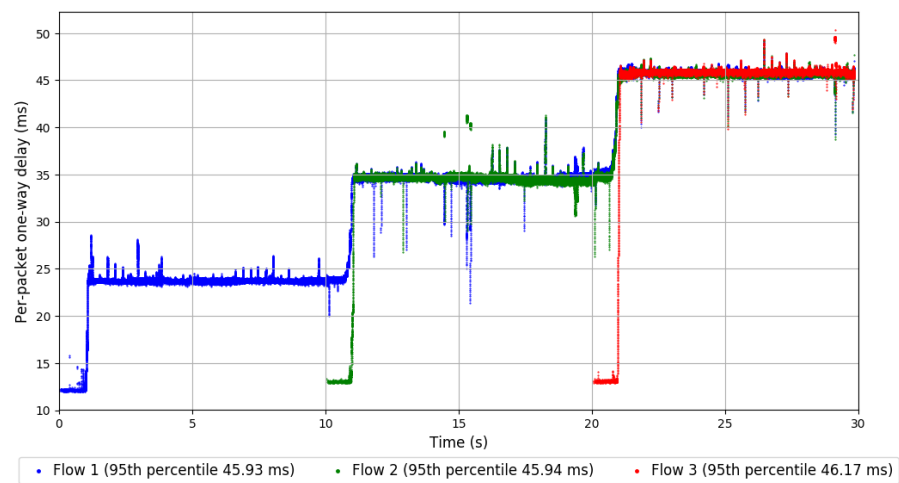
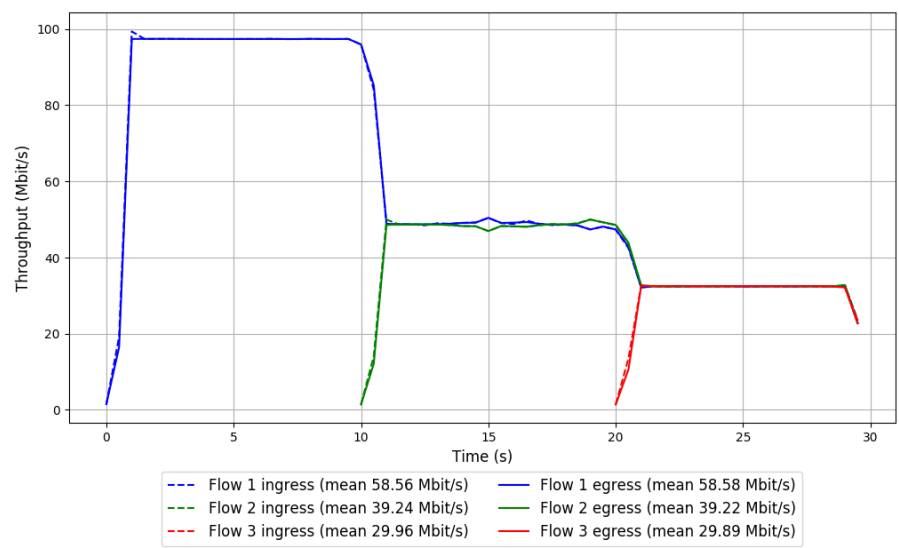


Run 9: Statistics of Vivace-loss

Start at: 2018-02-28 03:05:25
End at: 2018-02-28 03:05:55
Local clock offset: 1.66 ms
Remote clock offset: -6.899 ms

Below is generated by plot.py at 2018-02-28 07:36:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 46.011 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 58.58 Mbit/s
95th percentile per-packet one-way delay: 45.926 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.22 Mbit/s
95th percentile per-packet one-way delay: 45.939 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 29.89 Mbit/s
95th percentile per-packet one-way delay: 46.166 ms
Loss rate: 0.63%

Run 9: Report of Vivace-loss — Data Link

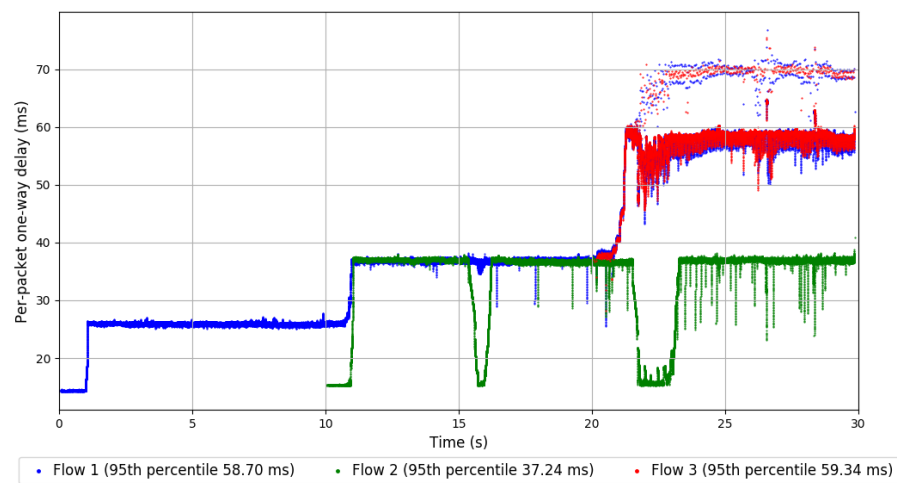
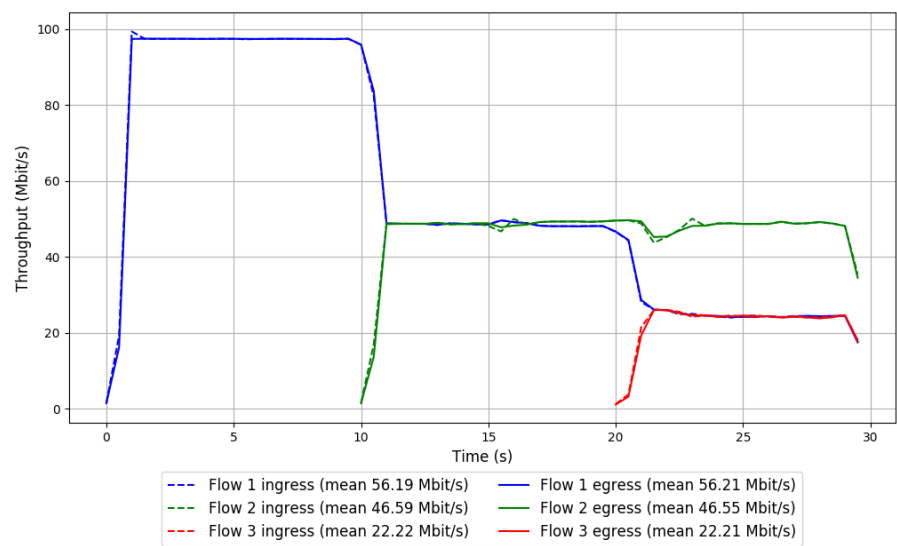


Run 10: Statistics of Vivace-loss

Start at: 2018-02-28 03:26:45
End at: 2018-02-28 03:27:15
Local clock offset: 3.533 ms
Remote clock offset: -1.713 ms

Below is generated by plot.py at 2018-02-28 07:36:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.44 Mbit/s
95th percentile per-packet one-way delay: 58.816 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.21 Mbit/s
95th percentile per-packet one-way delay: 58.705 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 46.55 Mbit/s
95th percentile per-packet one-way delay: 37.237 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 22.21 Mbit/s
95th percentile per-packet one-way delay: 59.342 ms
Loss rate: 0.73%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-02-28 00:13:19

End at: 2018-02-28 00:13:49

Local clock offset: 5.242 ms

Remote clock offset: -3.26 ms

Below is generated by plot.py at 2018-02-28 07:36:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.91 Mbit/s

95th percentile per-packet one-way delay: 48.068 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 56.75 Mbit/s

95th percentile per-packet one-way delay: 46.434 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 38.18 Mbit/s

95th percentile per-packet one-way delay: 48.530 ms

Loss rate: 0.14%

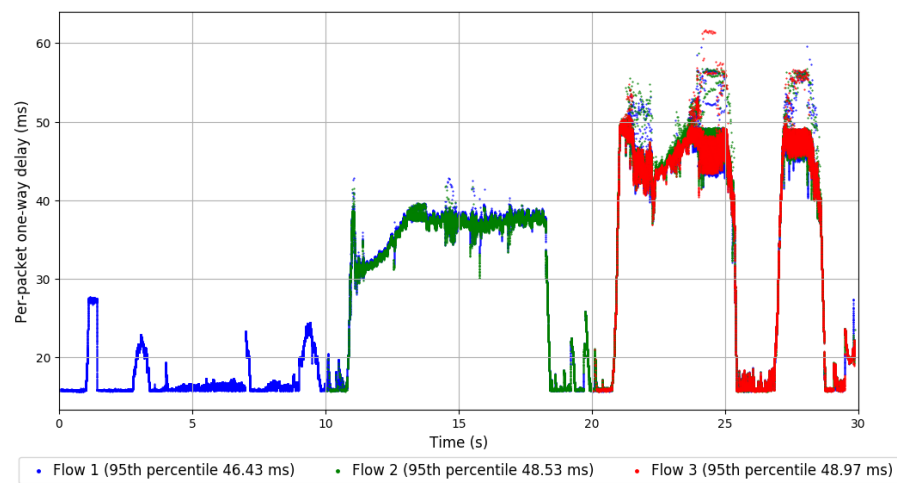
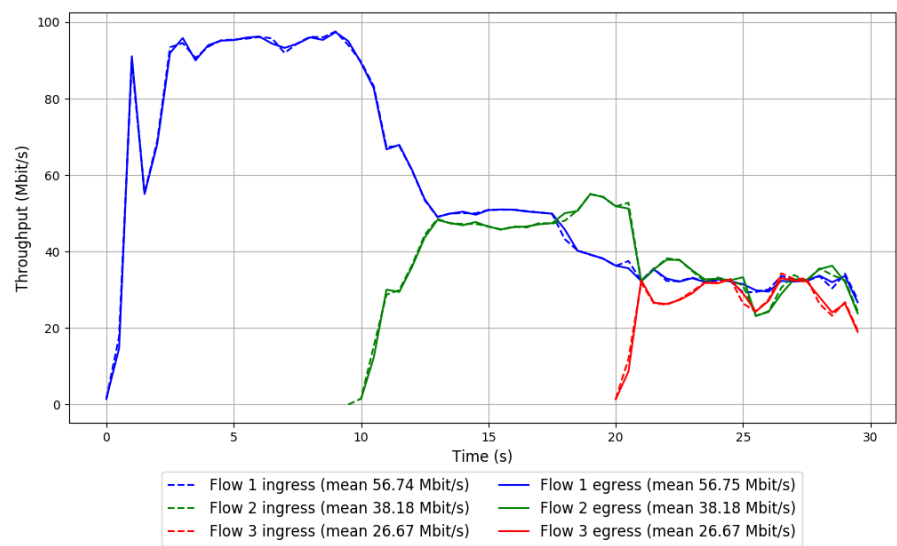
-- Flow 3:

Average throughput: 26.67 Mbit/s

95th percentile per-packet one-way delay: 48.974 ms

Loss rate: 0.31%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-02-28 00:34:25

End at: 2018-02-28 00:34:55

Local clock offset: 2.369 ms

Remote clock offset: 0.977 ms

Below is generated by plot.py at 2018-02-28 07:37:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.70 Mbit/s

95th percentile per-packet one-way delay: 44.787 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 56.21 Mbit/s

95th percentile per-packet one-way delay: 40.875 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 39.53 Mbit/s

95th percentile per-packet one-way delay: 44.659 ms

Loss rate: 0.12%

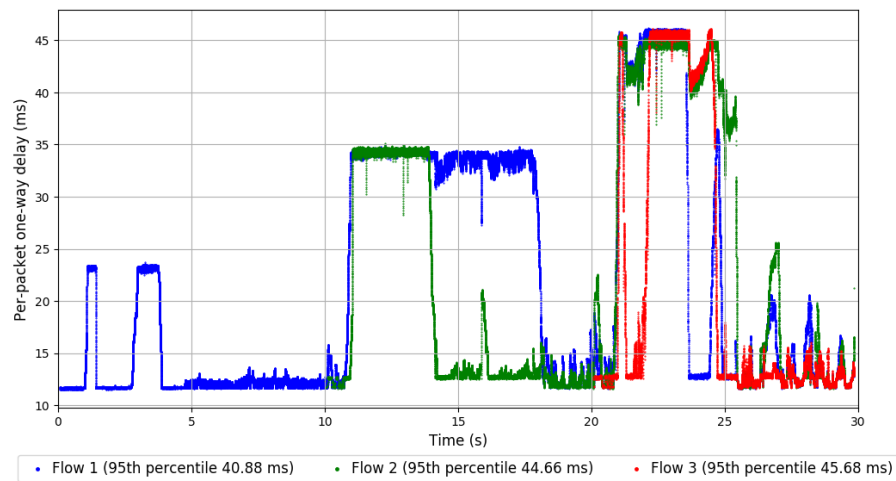
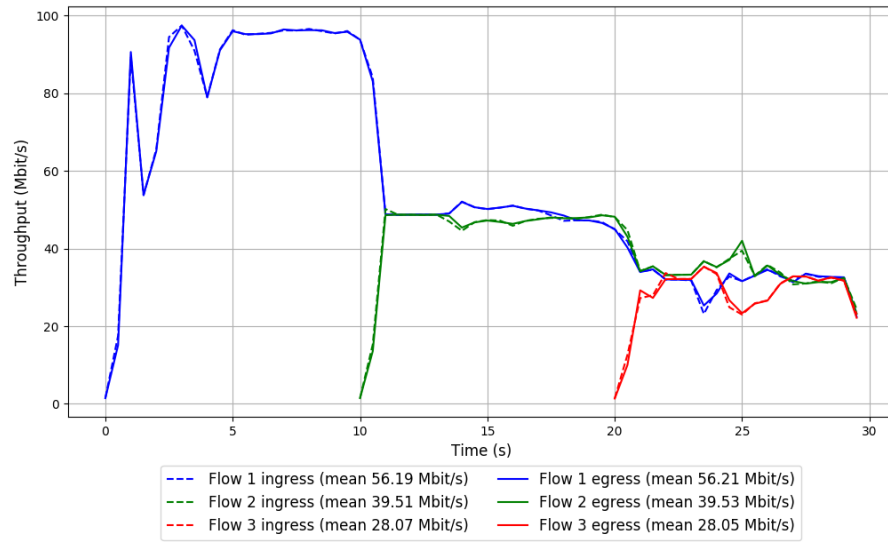
-- Flow 3:

Average throughput: 28.05 Mbit/s

95th percentile per-packet one-way delay: 45.679 ms

Loss rate: 0.29%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-02-28 00:55:25

End at: 2018-02-28 00:55:55

Local clock offset: 3.233 ms

Remote clock offset: 0.686 ms

Below is generated by plot.py at 2018-02-28 07:37:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.36 Mbit/s

95th percentile per-packet one-way delay: 46.835 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 58.14 Mbit/s

95th percentile per-packet one-way delay: 46.881 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 43.49 Mbit/s

95th percentile per-packet one-way delay: 36.020 ms

Loss rate: 0.13%

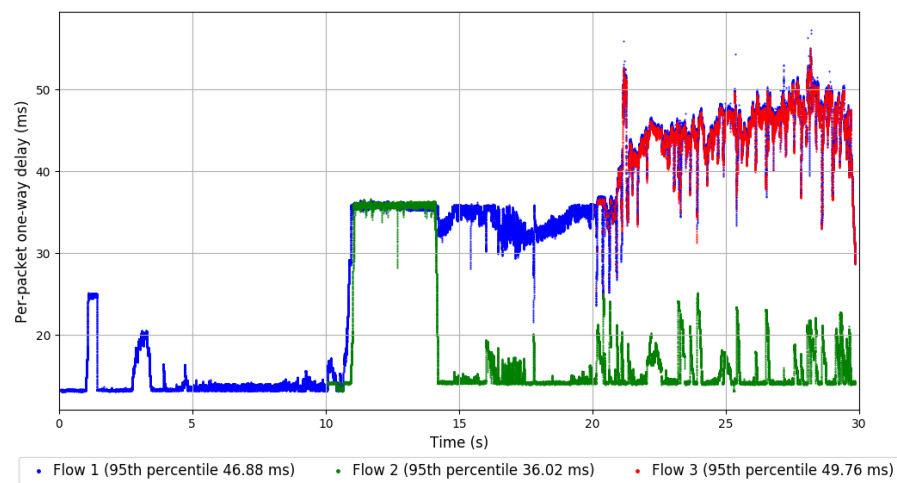
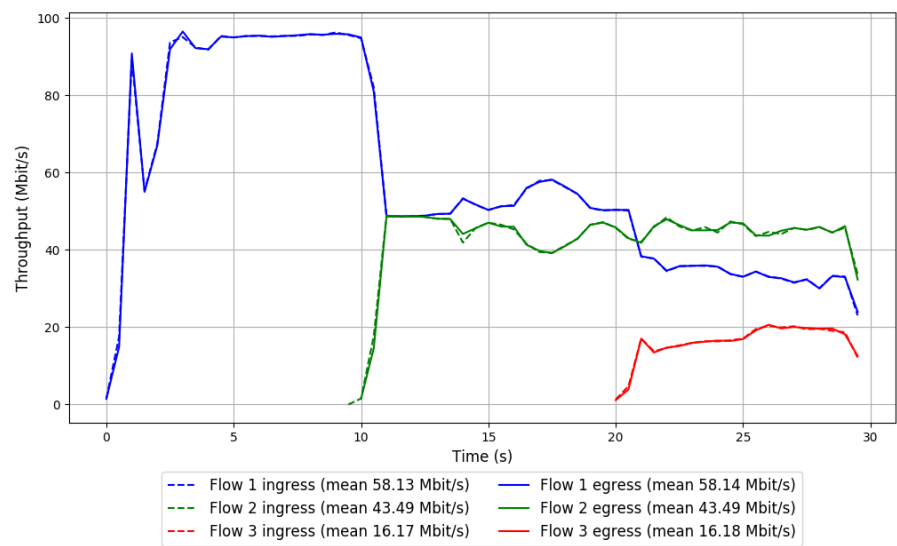
-- Flow 3:

Average throughput: 16.18 Mbit/s

95th percentile per-packet one-way delay: 49.764 ms

Loss rate: 0.40%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-02-28 01:16:36

End at: 2018-02-28 01:17:06

Local clock offset: 3.694 ms

Remote clock offset: -0.34 ms

Below is generated by plot.py at 2018-02-28 07:37:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.75 Mbit/s

95th percentile per-packet one-way delay: 44.476 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 60.65 Mbit/s

95th percentile per-packet one-way delay: 35.178 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 39.67 Mbit/s

95th percentile per-packet one-way delay: 45.591 ms

Loss rate: 0.07%

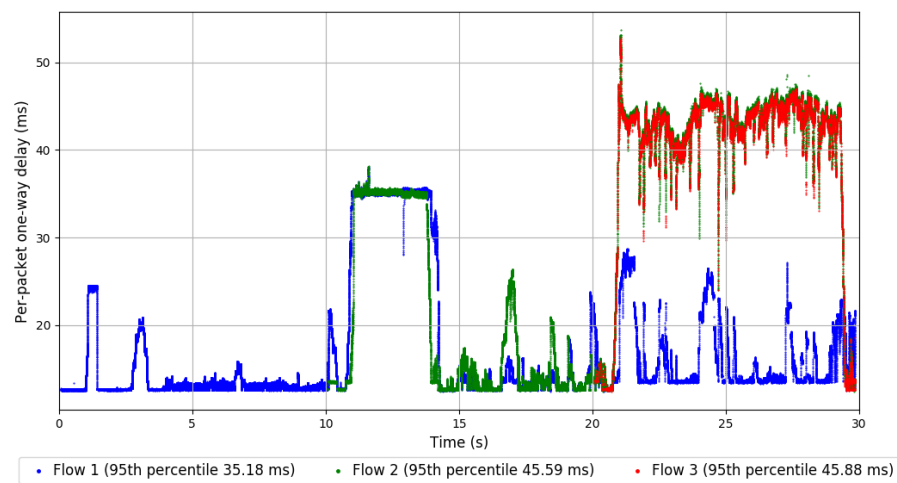
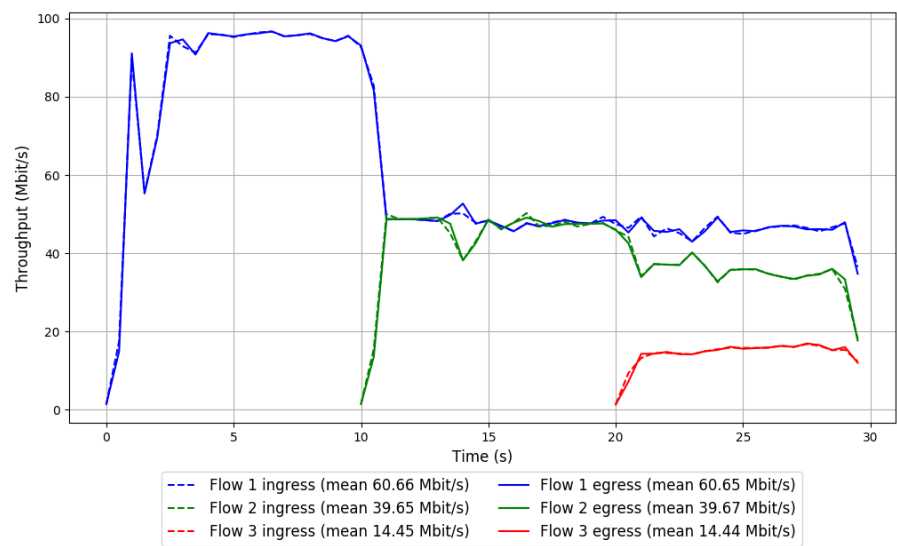
-- Flow 3:

Average throughput: 14.44 Mbit/s

95th percentile per-packet one-way delay: 45.881 ms

Loss rate: 0.28%

Run 4: Report of Vivace-LTE — Data Link

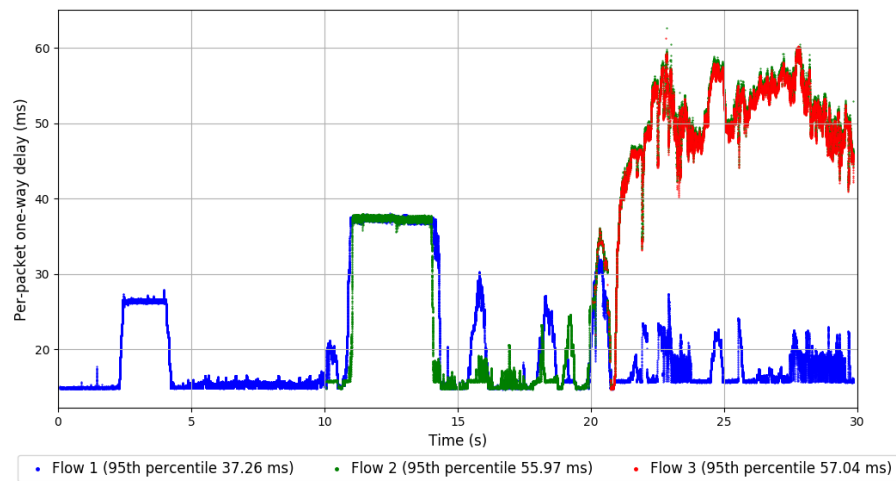
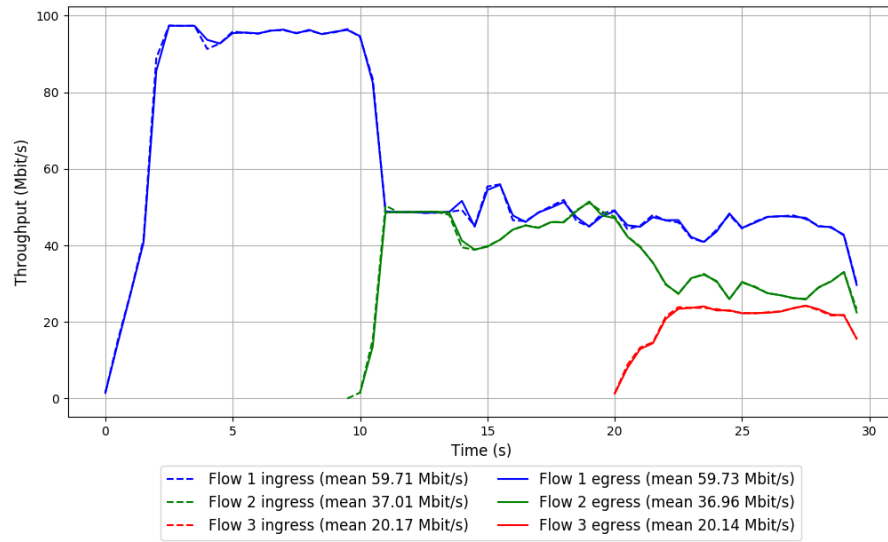


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-28 01:37:35
End at: 2018-02-28 01:38:05
Local clock offset: 5.966 ms
Remote clock offset: -3.386 ms

Below is generated by plot.py at 2018-02-28 07:37:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.91 Mbit/s
95th percentile per-packet one-way delay: 54.078 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 59.73 Mbit/s
95th percentile per-packet one-way delay: 37.256 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 55.973 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 20.14 Mbit/s
95th percentile per-packet one-way delay: 57.043 ms
Loss rate: 0.54%

Run 5: Report of Vivace-LTE — Data Link

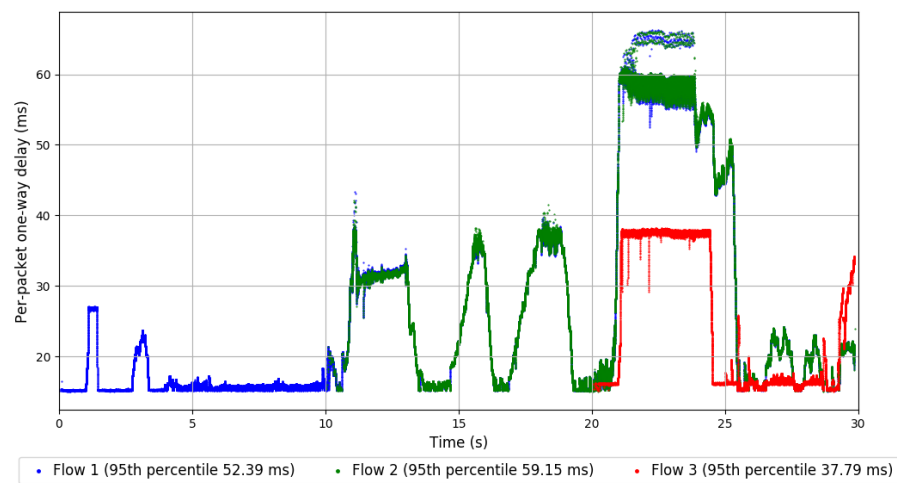
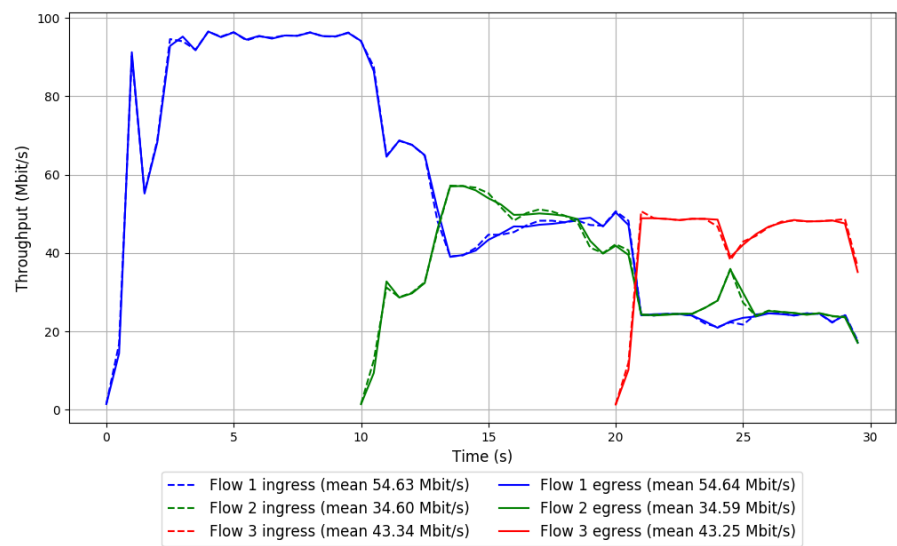


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-28 01:58:47
End at: 2018-02-28 01:59:17
Local clock offset: 4.737 ms
Remote clock offset: -7.035 ms

Below is generated by plot.py at 2018-02-28 07:37:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 55.589 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 54.64 Mbit/s
95th percentile per-packet one-way delay: 52.391 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 34.59 Mbit/s
95th percentile per-packet one-way delay: 59.149 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 43.25 Mbit/s
95th percentile per-packet one-way delay: 37.789 ms
Loss rate: 0.47%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-02-28 02:20:04

End at: 2018-02-28 02:20:34

Local clock offset: 3.469 ms

Remote clock offset: -8.05 ms

Below is generated by plot.py at 2018-02-28 07:37:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.19 Mbit/s

95th percentile per-packet one-way delay: 46.283 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 56.04 Mbit/s

95th percentile per-packet one-way delay: 36.381 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 38.93 Mbit/s

95th percentile per-packet one-way delay: 46.374 ms

Loss rate: 0.10%

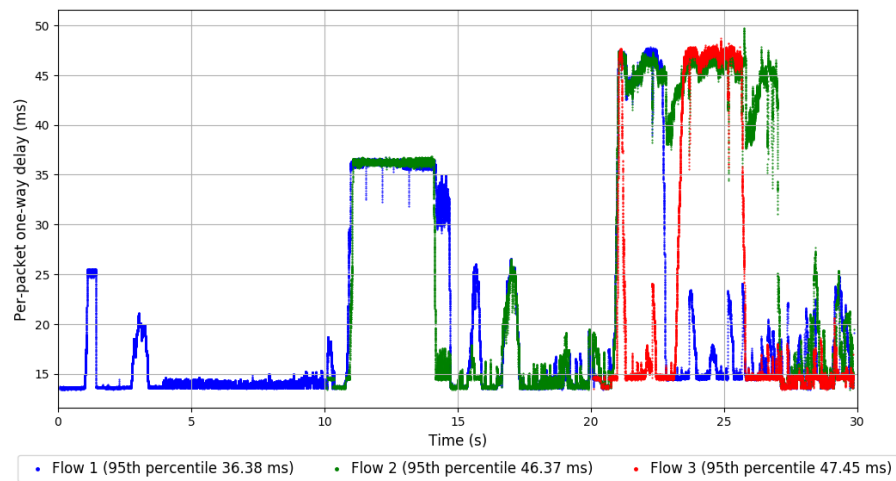
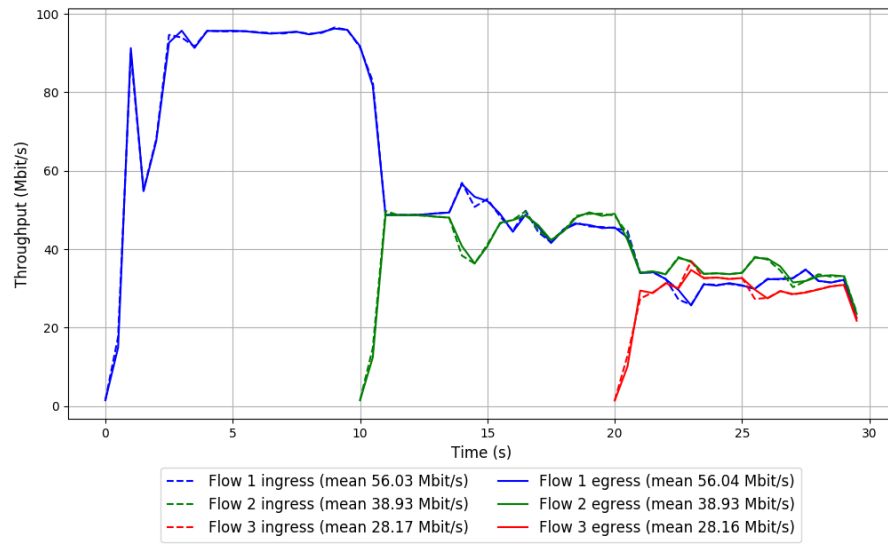
-- Flow 3:

Average throughput: 28.16 Mbit/s

95th percentile per-packet one-way delay: 47.453 ms

Loss rate: 0.27%

Run 7: Report of Vivace-LTE — Data Link

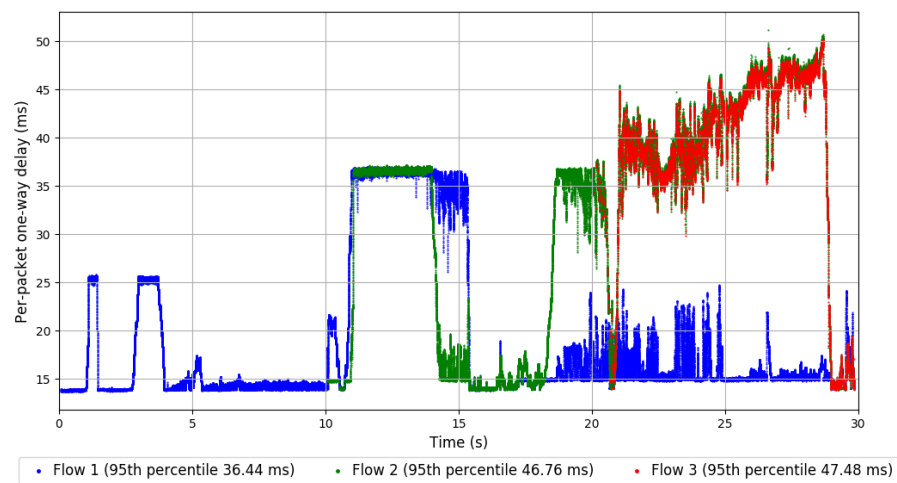
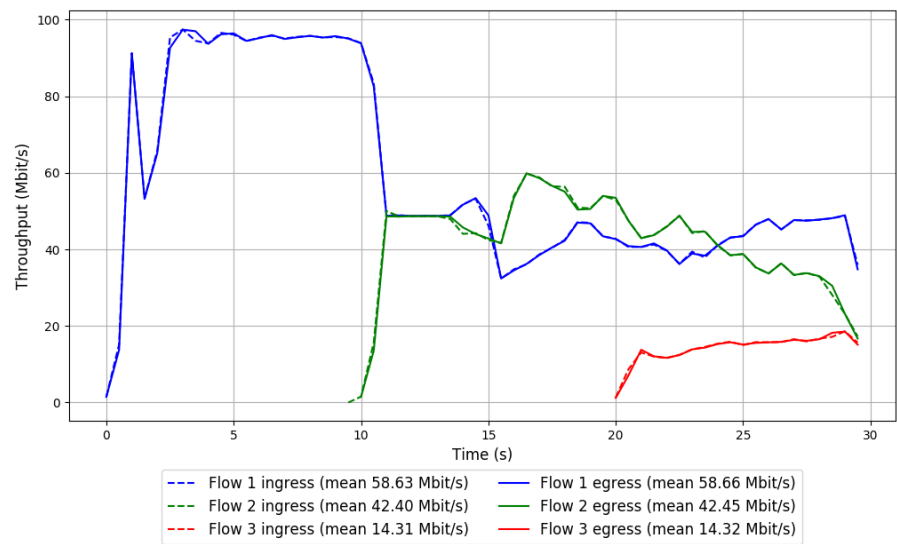


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-28 02:41:58
End at: 2018-02-28 02:42:28
Local clock offset: 3.384 ms
Remote clock offset: -7.916 ms

Below is generated by plot.py at 2018-02-28 07:37:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.58 Mbit/s
95th percentile per-packet one-way delay: 44.755 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 58.66 Mbit/s
95th percentile per-packet one-way delay: 36.439 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 42.45 Mbit/s
95th percentile per-packet one-way delay: 46.758 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 14.32 Mbit/s
95th percentile per-packet one-way delay: 47.475 ms
Loss rate: 0.40%

Run 8: Report of Vivace-LTE — Data Link

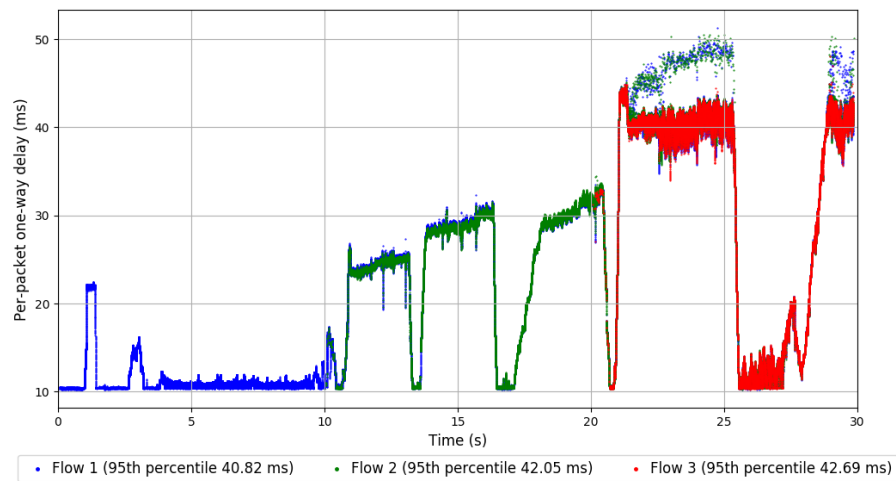
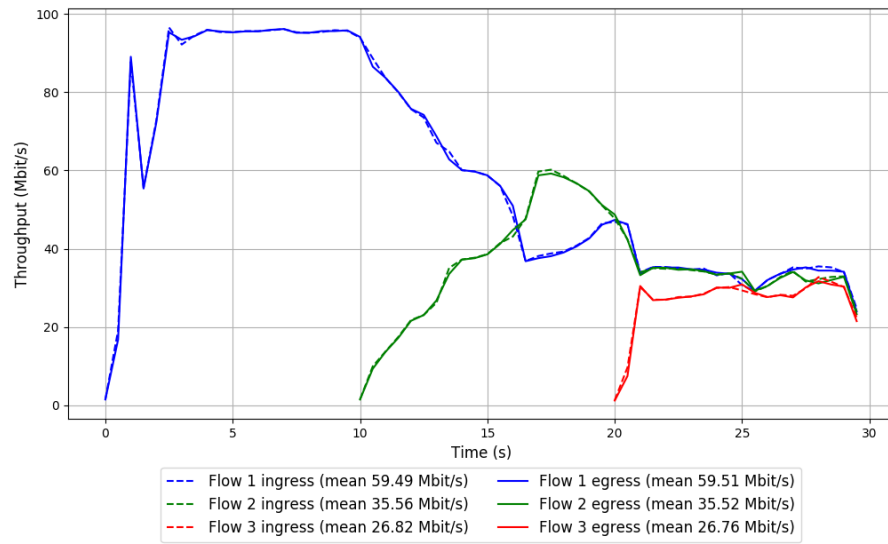


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-28 03:02:59
End at: 2018-02-28 03:03:29
Local clock offset: 0.856 ms
Remote clock offset: -5.911 ms

Below is generated by plot.py at 2018-02-28 07:37:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.91 Mbit/s
95th percentile per-packet one-way delay: 41.620 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 59.51 Mbit/s
95th percentile per-packet one-way delay: 40.816 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 35.52 Mbit/s
95th percentile per-packet one-way delay: 42.045 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 26.76 Mbit/s
95th percentile per-packet one-way delay: 42.691 ms
Loss rate: 0.66%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-28 03:24:19

End at: 2018-02-28 03:24:49

Local clock offset: 2.965 ms

Remote clock offset: -1.13 ms

Below is generated by plot.py at 2018-02-28 07:37:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.27 Mbit/s

95th percentile per-packet one-way delay: 47.281 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 60.44 Mbit/s

95th percentile per-packet one-way delay: 35.063 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 39.75 Mbit/s

95th percentile per-packet one-way delay: 49.551 ms

Loss rate: 0.23%

-- Flow 3:

Average throughput: 16.45 Mbit/s

95th percentile per-packet one-way delay: 56.854 ms

Loss rate: 0.62%

Run 10: Report of Vivace-LTE — Data Link

